010

1990 ASSESSMENT REPORT

GEOLOGICAL SURVEY

CAIRO PROJECT

CAIRO AND ALMA TOWNSHIPS, ONTARIO

NTS: 41-P-15 / 42-A-2

J.E. Jackson
Inco Exploration and
Technical Services, Inc.
Copper Cliff, Ontario
December, 1990

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Appendices

List of Figures

SUMMARY

The Cairo property consists of 87 contiguous claims located in Alma and Cairo Townships, about 8 km northeast of Matachewan, Ontario. The ground was staked in the summer of 1990 and is wholly owned by Inco Limited. The property was the subject of a geological mapping program conducted in the fall of 1990.

The claim group is underlain by syenite porphyry of the Cairo Stock. Archean volcanic and sedimentary rocks outcrop along the eastern shore of the Montreal River in the western portion of the property. All of these units are intruded by north trending Matachewan diabase dikes. The Galer Lake Fault strikes southwest through the claim group and is interpreted to represent the western extension of the Larder Lake Fault Zone.

Previous work on the property consisted of trenching and sampling the small felsic intrusive bodies within the mafic volcanic rocks, and the sulphide showings within the sedimentary rocks. An assay of 2.05 g/t gold was obtained from this work. The mapping program completed by Inco Exploration succeeded in delineating areas of potential interest. Assays of 28.38 g/t gold and 1.02 g/t gold were obtained from samples collected and the source areas will be the subject of further exploration activities.

It is recommended that geophysical surveys consisting of ground magnetometer and horizontal loop EM be conducted on the property during the winter. A spring mapping program should be conducted to explore, in detail, the Galer Lake Fault Zone and small felsic intrusions.

1.0 INTRODUCTION

The Cairo Property covers a 10 km strike length of the Galer Lake Fault in Cairo Township. The Galer Lake Fault may be the western continuation or a parallel fault associated with the Larder Lake Fault Zone.

1.1 Location and Access

The property consists of 87 contiguous, unpatented mining claims in the southeastern portion of Alma and the northern portion of Cairo Townships (Figure 1) about 50 km southwest of Kirkland Lake, Ontario, Larder Lake Mining Division, NTS: 42-A-2/41-P-15.

Access to the property is easily gained via an all weather gravel road (The Matachewan Reserve Road) and various other logging roads that extend north from Highway 66.

1.2 Property

The claims (Figure 2) were staked and recorded in July 1990. The claims are wholly owned by Inco Limited and are listed below:

Claims	Recording Date
L 1152284-303 inclusive	July 13, 1990
L 1152306-318 inclusive	July 13, 1990
L 1152340-342 inclusive	July 13, 1990
L 1152344-355 inclusive	July 13, 1990
L 1152374-386 inclusive	July 13, 1990
L 1152389-401 inclusive	July 13, 1990
L 1152404-416 inclusive	July 13, 1990

1.3 History

The property has been the subject of limited exploration activity in the past. Most of this prospecting has been confined to the western portion of the property where a few overgrown pits and trenches are located.

1961: Fort Matachewan Gold Mining Syndicate held twenty-five claims along the eastern shore of the Montreal River in the western portion of Cairo Township. The work consisted of stripping and sampling. One assay of 2.05 g/t gold was obtained from a porphyry/ greenstone contact.

1975: Noranda Exploration Company Ltd. conducted a reconnaissance geological mapping program on 54 claims located on the western portion of the Cairo Stock in north central Cairo Township.

1975-76: Majestic Wiley Contractors Ltd. conducted a soil sampling program and a geological survey on the same claims previously held by Noranda Exploration.

1986: McGarry Minerals Inc. held 16 claims in the western portion of Cairo Township over the same ground previously explored by The Fort Matachewan Gold Mining Syndicate. McGarry Minerals established a grid on the property and conducted soil sampling, ground geophysical and geological surveys.

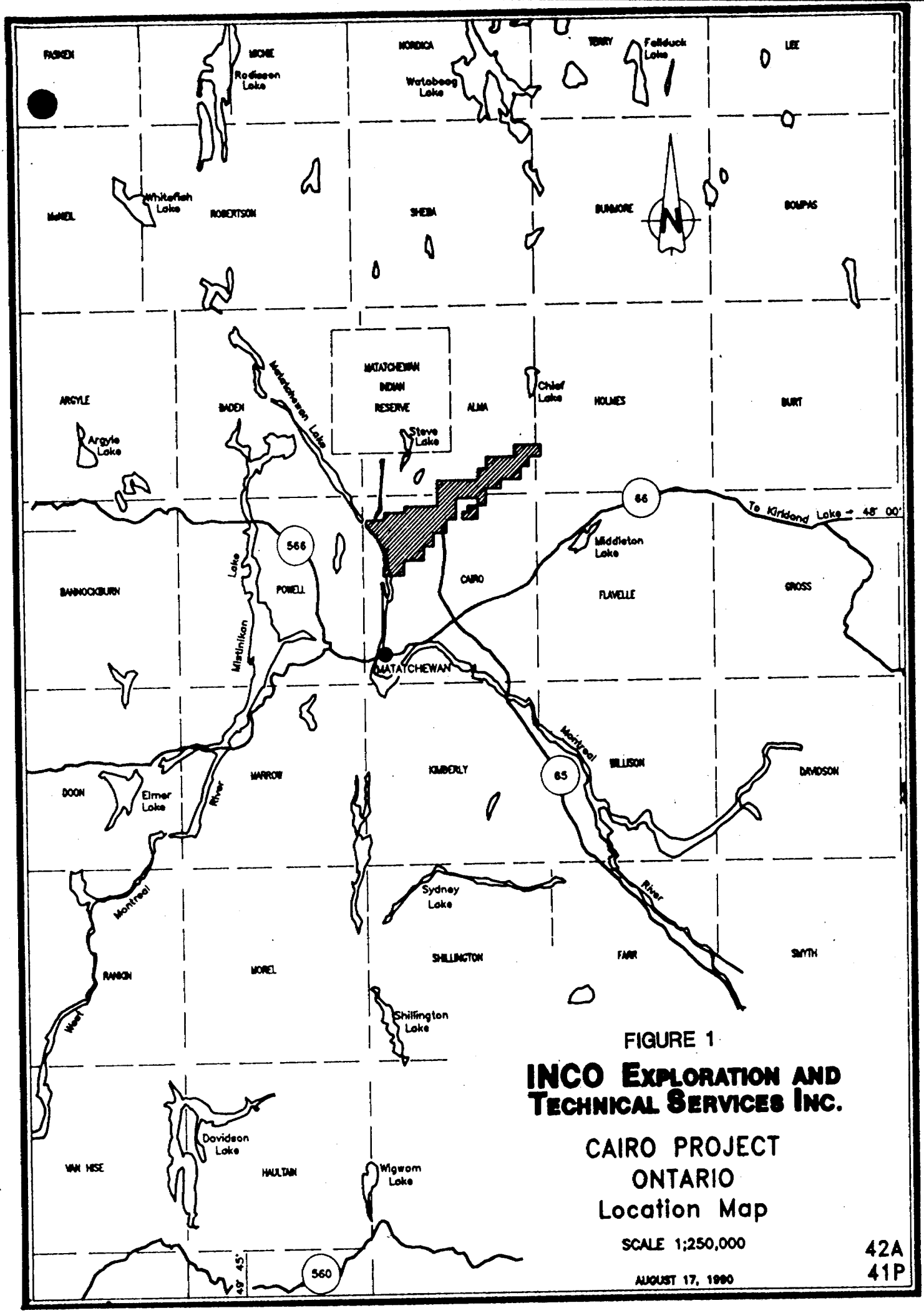


FIGURE 1

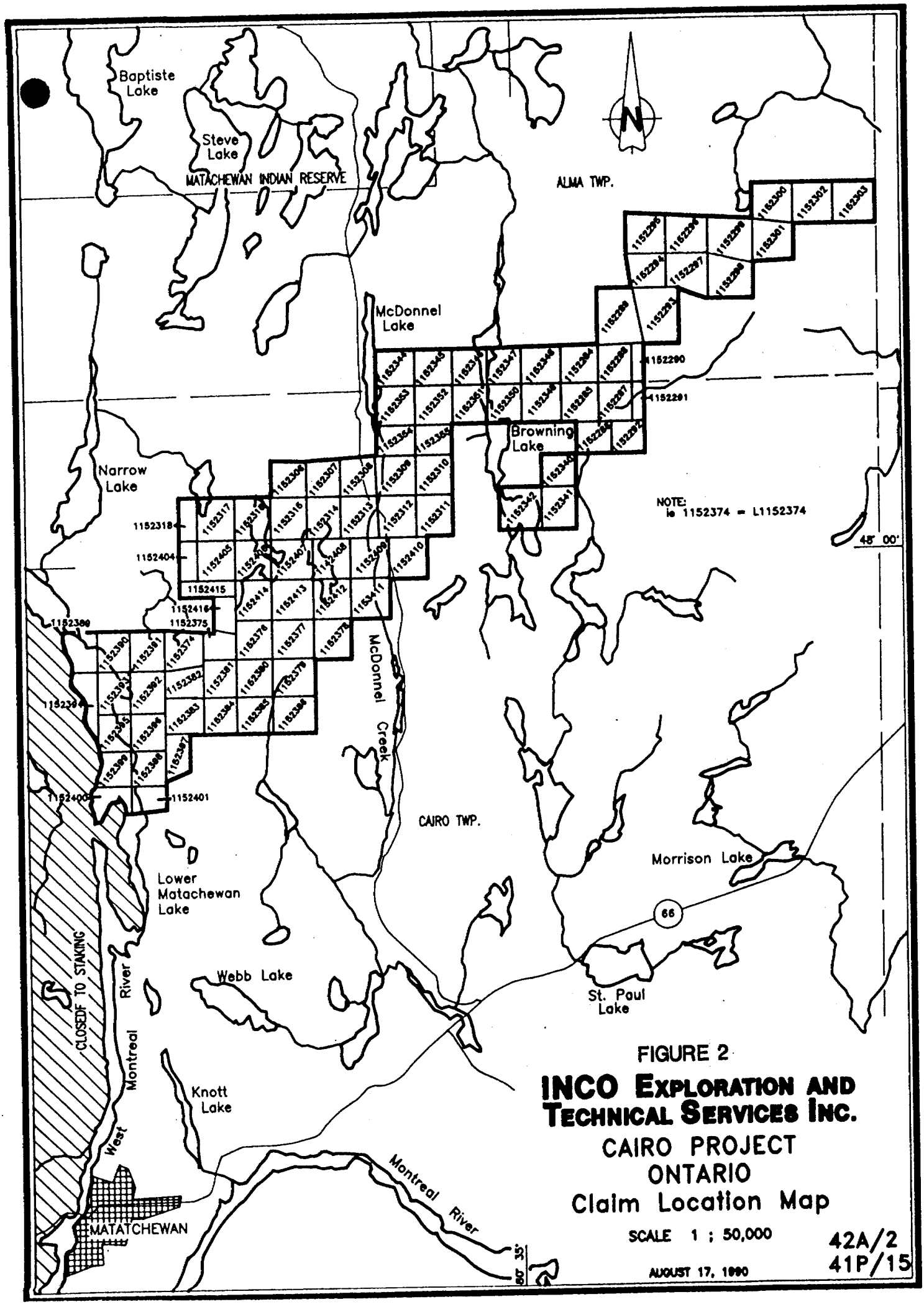
INCO EXPLORATION AND TECHNICAL SERVICES INC.

CAIRO PROJECT
ONTARIO
Location Map

SCALE 1:250,000

AUGUST 17, 1990

42A
41P


Baptiste Lake
Steve Lake
MATACHEWAN INDIAN RESERVE
ALMA TWP.
McDonnel Lake
Browning Lake
Narrow Lake
NOTE:
ie 1152374 = L1152374
48° 00'
McDonnel Creek
CAIRO TWP.
Morrison Lake
Lower Matachewan Lake
66
Webb Lake
St. Paul Lake
CLOSED TO STAKING
West Montreal River
Knott Lake
MATATCHEWAN
Montreal River
80° 30'
FIGURE 2
INCO EXPLORATION AND TECHNICAL SERVICES INC.
CAIRO PROJECT
ONTARIO
Claim Location Map
SCALE 1 ; 50,000
AUGUST 17, 1990
42A/2
41P/15

A limited amount of exploration activity has been carried out to the north and south of the Cairo property near the Montreal River.

Diamond drilling was completed by Texasgulf Canada Ltd. in 1976 and by Regent Rock Resources Inc. in 1988 immediately north of the property, adjacent to the eastern shore of the Montreal River. Both drilling programs were designed to test geophysical anomalies. No significant gold assays were reported and the presence of graphite was determined to be the cause of the geophysical responses.

Diamond drilling has also been completed on the ground immediately south of the property, adjacent to the eastern shore of the Montreal River. Jacaranda Gold Mines Ltd. drilled 5 holes in 1953, apparently, to test a geophysical anomaly. Rare 3 foot sulphide intersections of up to 25% pyrite and pyrrhotite were sampled, but no nickel values were obtained and gold assays are not reported.

1.4 Summary of Inco Exploration

Inco Exploration staked the ground in Cairo and Alma Townships during July 1990. Following the acquisition of the claims, a line cutting contract was awarded to Natives Exploration Services of Chibougamau, Quebec. Baselines (Figure 3) were cut on an azimuth of 058° and crosslines were turned every 100 metres. A total of 11.1 kilometres of baseline and 124.7 kilometres of cross and tie lines was cut. A three man geological crew began mapping the property on October 9, 1990, and completed the work on November 6, 1990. The property was mapped at a scale of 1:2,500.

2.0 REGIONAL GEOLOGY

The Matachewan area is comprised of Archean metavolcanic, metasedimentary and intrusive rocks which are part of the Abitibi Greenstone Belt. The Alma and Cairo Township areas are underlain by tholeiitic flows of the Kinojevis group and calc-alkaline flows and pyroclastic rocks of the Blake River Group. Archean sedimentary rocks unconformably overlie the volcanic rocks. This volcano-sedimentary assemblage is intruded by Archean mafic sills, dikes and felsic plutons. Proterozoic sedimentary rocks of the Huronian Super Group unconformably overlie the Archean rocks in many parts of the map area.

Numerous north-trending faults cut across the region and many of these have been intruded by diabase dikes. A major fault zone (The Galer Lake Fault) trends northeast across the property and may be an extension of the Larder Lake Fault Zone. Several other parallel northeast trending faults also occur in the map area.

3.0 PROPERTY GEOLOGY

A large portion of the Cairo property is underlain by syenite porphyry of the Cairo stock. Archean volcanic and sedimentary rocks outcrop in the extreme western portion of the claim group and north-trending Matachewan diabase dikes intrude all of the above rock types. The Galer Lake Fault trends southwest through Alma and into Cairo Townships and parallels the long axis of the claim group.

3.1 Mafic and Intermediate Volcanic Rocks

Basaltic and andesitic rocks outcrop in the western portion of the property. The basalt is fine grained, dark greenish-grey, chloritic, weakly to moderately magnetic and massive with a pyrite

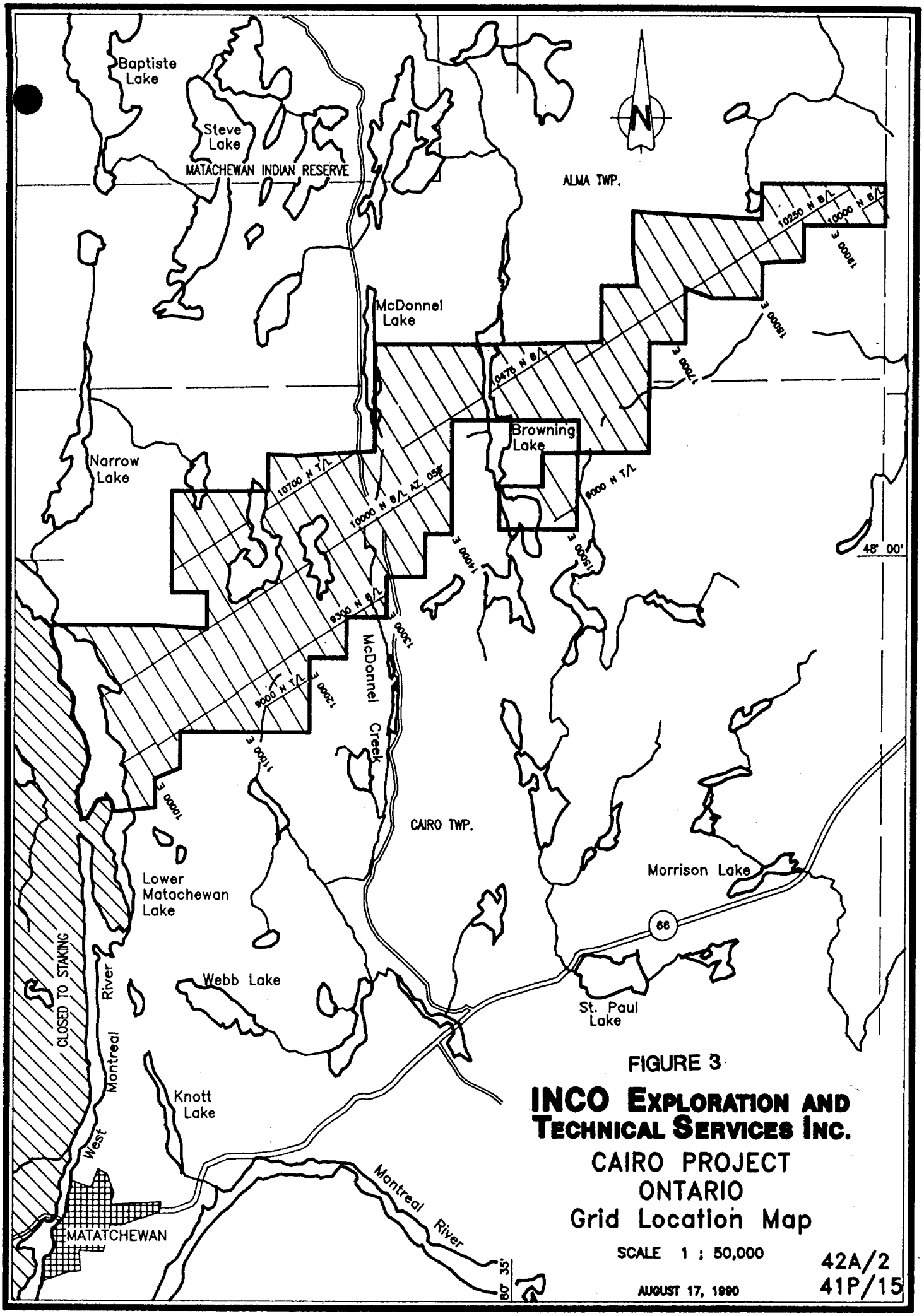


FIGURE 3

INCO EXPLORATION AND TECHNICAL SERVICES INC.

CAIRO PROJECT
ONTARIO
Grid Location Map

SCALE 1 ; 50,000

AUGUST 17, 1990

42A/2
41P/15

content ranging from a trace to 2%. Locally, flow breccias, pillows and amygdules were observed. The andesitic rocks were distinguished from the basalts by a lighter green colour, greater hardness and local phenocrysts of white feldspar crystals up to 2 millimetres in diameter.

3.2 Archean Sedimentary Rocks

Siltstones and sandstones outcrop along the Montreal River in the extreme western portion of the property and are bounded to the east by the mafic volcanic rocks. The siltstones are very fine grained, soft, dark grey and locally contain up to 2% pyrite and pyrrhotite. Bedding strikes 020° and dips approximately 46° to the south. The sandstone is commonly medium grained, well sorted, red to pink in colour with rare mafic volcanic fragments to 5 mm in diameter. Bedding measurements varied from 153°/67° east to 090°/60° south.

Several small trenches and pits were located within the sediments. The trenches are oriented in a northerly direction, contain gossan zones up to 5 metres wide and samples collected contained up to 20% pyrite and pyrrhotite.

3.3 Syenite Porphyry

The Cairo property is predominantly underlain by a massive syenite stock. The syenite is coarse grained to very coarse grained, pink to red, massive to locally foliated, locally weakly magnetic, with up to 5 to 10% hornblende and a minor amount of quartz. The syenite is porphyritic with individual feldspar phenocrysts ranging from 5 mm 30 mm in length. The larger phenocrysts are found near the edge of the syenite intrusion.

3.4 Feldspar Porphyry

Numerous small outcrops of feldspar porphyry were found within the mafic volcanic rocks. The porphyry is medium grained, pink, massive and sugary textured with up to 5% disseminated pyrite. Phenocrysts of feldspar commonly occur up to 1 to 2 mm in size.

Several old trenches were located and found to contain quartz flooded and brecciated feldspar porphyry. Some of these trenches were located at or near outcrops of diabase dikes or along the Montreal River-Whiskeyjack Creek Fault.

3.5 Matachewan Diabase Dikes

These dikes outcrop across the length of the property and commonly range from about 20 metres to 75 metres wide and strike from 356° to 010° with very steep to vertical dips. The dikes are characteristically medium grained, dark grey, massive, moderately magnetic with typical diabasic texture. Many of the dikes are porphyritic with light green feldspar phenocrysts up to 5 cm in length. It is estimated that the dikes comprise from 10% to 20% of the total outcrop area on the claim group.

3.6 Structural Geology

A major northeast-trending fault zone is interpreted to extend across the length of the property. The fault zone varies in strike from 060° to 080° and is identified by a series of narrow valleys and creek systems and by foliations of 090° to 045° measured in syenite, diabase and mafic volcanic rocks. The fault zone or The Galer Lake Fault may be a western extension of the Larder Lake Fault Zone.

Several north trending faults were observed on the property. The faults were identified by topographic depressions and foliations in adjacent host lithologies. The Matachewan diabase dikes may have intruded along this set of north-trending fault systems.

A northwest-trending fault zone, the Montreal River-Whiskeyjack Creek Fault, is interpreted to extend across the western part of the property. Several small feldspar porphyry intrusions appear to occur along its length. McGarry Minerals sampled many of these feldspar porphyry intrusions and considered them to be spatially associated with the Montreal River-Whiskeyjack Creek Fault.

3.7 Mineralization

Anomalous gold mineralization was found in almost all lithologies on the Cairo property. One significant assay of 28.38 g/t gold was obtained from an angular syenite boulder (16,000E/9,425N) located 200 metres south of the interpreted location of the Galer Lake Fault. The syenite boulder is brecciated, quartz flooded and contains up to 3% fine grained pyrite mineralization. A second assay from the same boulder returned a value of 17.5 g/t gold.

Anomalous assays ranging up to 57 ppb gold were obtained from trenches that contain feldspar porphyry. The porphyry is locally quartz flooded and contains a trace to 15% pyrite mineralization and rare tourmaline crystals. These pits are probably the same pits originally worked by The Fort Matachewan Gold Syndicate in 1961. One of their grab samples from a porphyry-greenstone contact near a fault zone striking 075°, assayed 2.05 g/t gold. The trench where this sample was taken is located near 10,600E/9,475N.

McGarry Minerals (1986) cleaned out many of the trenches and resampled the feldspar porphyry. All gold assays returned 20 ppb or less.

During the 1990 mapping program, an assay of 1.02 g/t gold was obtained within syenite at the contact with a diabase dike (13,300E/10,050N). The syenite is quartz flooded and contains up to 10% very fine grained pyrite and a trace of galena. Similar quartz flooding and veining was encountered in the syenite from various parts of the property. The veins range from a few millimetres to about 20 centimetres wide and are parallel to jointing in the syenite. They contain up to 5% pyrite, with rare chalcopyrite, fluorite and barite. Base metal values of 0.176% Cu, 0.188% Cu, 0.108% Zn, 0.203% Zn and 0.888% Zn were obtained from various localities on the claim group. Samples included quartz-carbonate veining within syenite or at syenite and diabase dike contacts. One assay of 0.258% Cu was collected from a syenite boulder.

A gossan zone was located in the western portion of the property near 9,800E/9,075N. The zone is hosted in siltstone, trends north and contains old trenches. Assays of 12 ppb, 25 ppb and 47 ppb Au were obtained from samples containing up to 20% pyrite and pyrrhotite mineralization. McGarry Minerals (1986) cleaned out the trenches and collected four samples. All assays returned between 30 and 70 ppb gold. A similar gossan zone is located near 10,000E/9,400N and is hosted by mafic volcanic rocks. Assays from this trench returned 20 ppb and 29 ppb gold. Assays from nearby mafic volcanic rocks returned assays of 67 ppb, 75 ppb and 758 ppb gold. Samples collected from the gossan zone and assayed for base metals returned low to anomalous copper, zinc and nickel values. The assays range from 35 ppm to 500 ppm for copper, 35 ppm to 660 ppm for nickel and 25 ppm to 360 ppm for zinc.

Both of the trench areas lie about 30 metres east of a Matachewan diabase dike and parallel the strike of the dike. The gossan zone may be related to the intrusion of the diabase dike.

4.0 CONCLUSIONS

The 1990 mapping program conducted on the Cairo property was successful in delineating areas of potential interest. An assay of 28.38 g/t gold was obtained from an angular syenite boulder 200 metres south of the unexposed Galer Lake Fault. A sample collected from a quartz flooded syenite containing 10% pyrite and a trace of galena assayed at 1.02 g/t gold. Numerous anomalous gold assays were obtained from old trenches that contained small feldspar porphyry intrusions. Historical grab samples from these trenches assayed up to 2.05 g/t gold.

5.0 RECOMMENDATIONS

It is recommended that a geophysical program consisting of a ground magnetometer survey and a horizontal loop EM survey be completed during the winter. Following this, a detailed prospecting program should be conducted in the spring along the strike length of the Galer Lake Fault Zone, concentrating on both bedrock and boulder sampling.

The results of the geophysical survey and the prospecting program will outline areas to be stripped and drilled.

Additional prospecting and sampling of the feldspar porphyry and sulphide showings is also recommended.

6.0 BIBLIOGRAPHY

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Tindale, J.L.
1989: Summary Report on the Regent Rock Resources Inc. 1988 Diamond Drill Program, Cairo Township Property, Matachewan, Ontario, for Excalibur International Consultants Ltd. Kirkland Lake Resident Geologists' Assessment Files.

7.0 CERTIFICATE OF QUALIFICATIONS

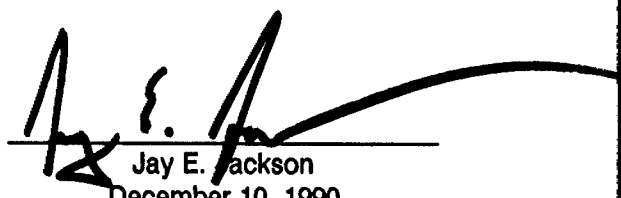
I, Jay E. Jackson of 354 Wembley Drive, Sudbury, Ontario certify that:

1. I am a 1987 graduate of Laurentian University with an Honours Bachelor of Science Degree in Geology.

2. I have practiced my profession in Ontario continuously since graduation from university.

3. I am currently employed as a Geologist by Inco Exploration and Technical Services, Inc.

4. I have visited the area discussed in this report and that the work described in this report was carried out under my supervision.



Jay E. Jackson
December 10, 1990

Qual 2.12866

APPENDIX 1

SAMPLE DESCRIPTION SHEETS

NCO LIMITED

TRAVERSE NUMBER ______

N.T.S. 42-A-2/41-P-15

PROJECT Cairo

AREA ______

GEOLOGIST(S) DT

DATE ~~OCT~~ 11/12, 1990

SAMPLE NUMBER	SAMPLE TYPE: RX Rock, Talus	SAMPLE TYPE: SX Stream Silt, Soil	SAMPLE TYPE: Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION (Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.)	Au ppb	Cu ppm	Ni ppm	Zn ppm	Ag ppm
210601	rock		grab			syenite: fine to medium-grained; weakly banded, v. weakly sheared; tr fine-grained pyrite	<5	40	20	10	<0.5
210602	"		"		L134E 1+45N	strongly fractured, coarse-grained pink ?porphyritic syenite; moderately to strongly foliated/banded; bands of ?graphite/galena to 2%	12	25	35	620	<0.5
210603	"		"			fractured grey to white quartz vein to 10cm wide in felsic portion of "contact zone"; ~foliation-parallel; locally Fe-stained along fractures	<5 <5	30	50	45	<0.5
x 210604	"		"			diabasic portion of "contact zone": moderately siliceous with trace to 10% pyrite in association with fractures/foliation; v fg pyrite to 2%; tr galena (?)	1021	195	60	450	0.5
x 210605	"		"			brecciated syenite in "contact zone": quartz flooded with trace to 1% fine-grained pyrite throughout	<5	35	40	65	<0.5
x 210606	"		"			few centimetre wide quartz vein in medium-grained syenite; white/grey/dark vein [illegible] (?? > white); tr to [illegible] [illegible]	10	[illegible] " 0.176%	45	320	9.5

INCO LIMITED

TRAVERSE NUMBER ____ PROJECT Cairo GEOLOGIST(S) DT

N.T.S. 42-A-2/41-P-15 AREA ____ DATE oct 13, 15, 16, 1990

SAMPLE NUMBER	SAMPLE TYPE RX Rock, Talus	SX Stream Silt, Soil	Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	Au ppb	Cu PPM	Ni PPM	Zn PPM	Ag PPM
Rx210607	rock		grab			as Rx 210606: float!; sub-rounded & up to 2 feet in diameter	21	0.258%	45	220	22.5
Rx210608	rock		grab		13045E 10877N	quartz vein in orange-red, medium-grained syenite; apparent trachytic texture; Rx[illegible] 3 to 8 cm wide glassy white to grey quartz veins; trace to 1% [illegible] pyrite in wall rock; [illegible] pyrite + galena in vein.	8	265	45	140	4.5
Rx210609	"		"		13000E 10655N	diabase/syenite contact: brick red syenite, fractured and weakly carbonatized, especially along joint planes; in contact with aphanitic, [illegible] fractured mafic unit 10m E of db o/c; trace dusty pyrite	6	90	45	280	1.5
Rx210610	"		"		12790E 10850N	diabase: weakly sheared and carbonatized with [illegible] quartz carbonate veining to 4cm; trace to 3% [illegible] pyrite in wall rock; [illegible] to 7% fine-grained pyrite in vein.	9	200	50	110	<0.5

INCO LIMITED

TRAVERSE NUMBER ____ PROJECT Cow GEOLOGIST(S) R. P.T.

N.T.S. 42-A-2/41-P-15 AREA ____ DATE Oct. 25 [illegible]

SAMPLE NUMBER	SAMPLE TYPE RX Rock, Talus	SX Stream Silt, Soil	Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and / or U.T.M.	SAMPLE DESCRIPTION Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	RESULTS (ppm. / % / oz. per ton) Au ppb	Cu ppm	Ni ppm	Zn ppm	Ag ppm
210611	R		g			[illegible]; close to the [illegible] contact in [illegible]; development of [illegible] foliation, strong alteration; hematite-filled fractures throughout [illegible] [illegible] along [illegible] of [illegible] [illegible]; [illegible] appears [illegible] silicified; trace fg py [illegible]	9	5	130	95	<0.5
210612	"		"		L126E 10+71N	hematitized feldspar porphyry; [illegible] porphyry with K-spar & plag (& qtz?) phenocrysts & [illegible] [illegible] - carbonate fractures [illegible]; [illegible] 1% fg & dark py throughout in slightly higher concentrations @ [illegible]; locally [illegible] carbonatized	10	35	30	30	0.5
210613	"		"		"	as above though [illegible] [illegible] veins [illegible] occasional tourmaline	11	35	30	35	<0.5
210614	"		"		126+50E 10+20N	diabase/syenite contact; [illegible] slightly [illegible]; syenite fractured & "bleached"; [illegible] from pink to black [illegible] & fractures magnetite and "bands" paralleling contact	<5	20	20	95	<0.5

INCO LIMITED

TRAVERSE NUMBER ______

N.T.S. 42-A-2 / 41-P-15

PROJECT Cairo

AREA ______

GEOLOGIST(S) P.T.

DATE [illegible] 27

SAMPLE NUMBER	SAMPLE TYPE: RX Rock, Talus	SAMPLE TYPE: SX Stream Silt, Soil	SAMPLE TYPE: Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION (Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.)	RESULTS (ppm. / % / oz. per ton) Au ppb	Cu PPM	Ni PPM	Zn PPM	Ag PPM
210615	r.		g		126E 10045N	mg biotite ± hornblende f syenite; pinkish-red with NE'Y trending white to grey quartz veins to 0.5cm [illegible] trace [illegible]	<5	35	25	30	<0.5
210616	"		"		L125E 10125N	fg to aphanitic syenite; pink red @ fine grained, flecky tone @ aphanitic; irregularly fractured with hairline f infilling @ quartz, black chlorite ± pink feldspar; weakly sheared ± slickensided; trace to 2% dusty to blebby pyrite throughout	22	25	40	25	<0.5
210617	"		"			felsite portion @ ~30cm from RX 210616; appearing bleached with 2-3% dusty pyrite disseminated throughout	39 / 36	25	50	10	<0.5

NCO GOLD

TRAVERSE NUMBER L125, 124, 123, 103E

PROJECT Caro

AREA

N.T.S. 42-A-2 / 41-P-15

GEOLOGIST(S) D. Truscott

DATE Oct 31 / Nov 1, 199[illegible]

SAMPLE NUMBER	SAMPLE TYPE RX Rock, Talus	SX Stream Silt, Soil	Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and / or U.T.M.	SAMPLE DESCRIPTION Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	Cu PPM	Ni PPM	Zn PPM	Ag PPM		Au ppb
210618	r		g		L125E 10,670N	green-grey, fg, moderately crbd, stry hairline fractured int. flow; chlc frac fill w occ q-c vng to 1cm; tr fg py asoc w vng; stry mtc; mod to str epidotization; poss crbt bx	90	50	25	<0.5		23
10619	"		"		L124 28E 10700N	aa, though less cherty/frctd; wkly shrd w 2-3% fg py; biot-phyric (fg)	55	50	20	<0.5		19
10620	"		"		L123E 10680N	Maf lmt volc, f to vfg; vary wkly frtd w epid fill; 1 to 2% po + py; locy in blebs, strs & diss's; mody to stry mtc	95	60	70	<0.5		<5
10621	"		"		L103E 10,525N	ss; grn-grey mature ss w rare qtz clsts to 3mm; tr fela vfg to fg py diss thrt; locy variations in beds, more arkosic; increased minz along hairline fracs	10	75	35	<0.5		7
210622	"		"		L103E 10,050N	ands: tr to 2% fg py, locy in whisps & blebs, geny diss; stry mtc, fg; loc pods of py to 2cm asoc w [illegible] though narrow, glassy, 2mm wide qv's barren	225	25	15	<0.5		46
210623	"		"		"	aa, though stry crbd, wkly silcfd & hosting 2-3% fg py in whisps in fracs, rare	15	25	10	0.5		35

INCO GOLD

TRAVERSE NUMBER L108, 110, 112E PROJECT Curo GEOLOGIST(S) D. Truscott

N.T.S. 42-A-2 / 41-P-15 AREA DATE Nov 23, 1990

SAMPLE NUMBER	SAMPLE TYPE: RX Rock, Talus	SAMPLE TYPE: SX Stream Silt, Soil	SAMPLE TYPE: Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and / or U.T.M.	SAMPLE DESCRIPTION: Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	Cu PPM	Ni PPM	Zn PPM	Ag PPM		Au PPB
R210624	r		g		L108E 10,275N	grey to blk slst near clb (~15 to 20 m); locy frtd w qtz vng & 1-2% pc? py as blebs & whisps in vns; vng to 2 mm	40	70	110	<0.5		89
210625	"		"		L112E 9850N	maf vol: fg grn-grey to blk; well jntd; wkly frtd; wkly crbd through f. fracs & occ jnts more so; up to 2% dusty po, 1% m to fg py & tr po-asoc cp; wkly mtc	100	40	25	<0.5		<5
210626	"		"		L11,125E 10,190N	sltd bslt (poss bslt tuff); blky fracturing & idsc bndg; tr f. py in c-filled 1-2 mm wide fracs & dusty diss's; v. wkly mtc.	75	85	45	<0.5		<5
210627	"		"		L110E 9059N	irreg hornfelsed maf volc: cut by num orange-pk (potassic) vns to 1 cm wide; vns host tr to 1% f to mg py; wall rk stry mtc, vns wkly mtc; vns appear syenitic in mineralogy; bslt very epidotized & hosts tr py	135	35	40	<0.5		<5

INCO GOLD

TRAVERSE NUMBER L 114, 113E
N.T.S. 42-A-2/41-P-15
PROJECT Cavro
AREA
GEOLOGIST(S) D. Truscott
DATE Nov. 5, 1990

SAMPLE NUMBER	SAMPLE TYPE RX Rock, Talus	SX Stream Silt, Soil	Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and / or U.T.M.	SAMPLE DESCRIPTION Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	Cu ppm	Ni ppm	Zn ppm	Ag ppm		Au ppb
210628	r.		g		L114E 10,445N	Synt: m-cg brick red; cut by ~20cm-wide grey-white qV; wkly fractd & filld w tr py by wall rock; unit wkly sord	235	25	30	<0.5		<5
210629	"		"		L114E 10,425N	db: float from ct of synt/db; relatively "pristine" db to cg creamy white "leucogabbro" hosting glassy to blue qtz & tr py; synt strg hmte	50	65	40	<0.5		<5
210630	"		"		L113E 9377N	db/synt ct: db. locy has lg & plag amkeda; synt partially digested & locy hosts lc rare blue qtz blebs; tr to 3% py in digested portion of synt	20	90	180	<0.5		<5
210631	"		"		"	aa through chld db only; 2 to 3% blbby py	0.188%	195	100	1.0		10
210632	"		"		L113E 10,000N	ands/bslt: altd, cut by narrow db dykelets; locy mcdy epidotized & silcfd; wkly frctd & filled w qtz, hb & chlr, & epid; narrow spilitic bnds hosting qtz & epid (+ carb) cntn up to 10% py (over 1-2 mm x 4 cm) tr fg py diss thut.						<5

INCO GOLD

TRAVERSE NUMBER L113, 114E
N.T.S. 42-A-2/41-P-15
PROJECT Cairo
AREA
GEOLOGIST(S) D. Trusdell
DATE Nov 5, 1990

SAMPLE NUMBER	SAMPLE TYPE: RX Rock, Talus	SAMPLE TYPE: SX Stream Silt, Soil	SAMPLE TYPE: Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION: Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	RESULTS (ppm./%/oz. per ton) Cu ppm	Ni ppm	Zn ppm	Ag ppm		Au ppb
							75	50	40	40.5		12
2x210633	x		q		L113E 10,050N	qg Rx210633						
210634	x		x		L114E 10,025N	BSLT: fg, grn-grey to blk w narrow fcls vns @ various orientations (1 to 5mm wide); vns host 1 to 5% f to mg Py; mody fossiliferous; wkly epidotized	50	45	25	40.5		5

NCO GOLD

TRAVERSE NUMBER _____ PROJECT Cairo GEOLOGIST(S) T. Froude

N.T.S. 42-A-2 141-P-15 AREA _____ DATE October 10, 1990

SAMPLE NUMBER	SAMPLE TYPE: RX Rock, Talus	SAMPLE TYPE: SX Stream Silt, Soil	SAMPLE TYPE: Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION: Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	RESULTS (ppm. / % / oz. per ton) Au ppb	Cu PPM	Ni PPM	Zn PPM	Ag PPM
10526	Rk		Grab	10+653 N	14+800 E	Fine grained red syenite, possibly a dike in contact with coarse grained, red, porphyritic syenite. Up to 1% disseminated pyrite with minor galena(?). Sample cut by 5-10% glassy quartz stringers up to 4 mm wide. No apparent foliation observed.	<5	120	25	70	1.5

INCO GOLD

TRAVERSE NUMBER _____ PROJECT Cairo GEOLOGIST(S) T. Froude

N.T.S. 42-A-2/41-P-15 AREA _____ DATE October 11, 1990

SAMPLE NUMBER	SAMPLE TYPE: RX Rock, Talus	SAMPLE TYPE: SX Stream Silt, Soil	SAMPLE TYPE: Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION: Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	RESULTS (ppm. / % / oz. per ton)	Au ppb	Cu ppm	Ni ppm	Zn ppm	Ag ppm
Rx 210527	RK		Grab	11,000 N	14+575 E	A 5-10 cm wide bleached zone within red, medium to coarse grained syenite. Thin irregular, glassy quartz stringers are found within the bleached zone. Trace, fine grained pyrite locally. Sample taken about 3 metres from a small o/c of diabase. The bleached zone has an orientation of 014°/70°N.		6	190	45	65	<0.5
Rx 210528	RK	-	Grab	~~11,000 N~~ 10+125N	~~14+575 E~~ 14+310 E	Locally brecciated, dark coloured, weakly hematized and carbonatized syenite. Minor calcite occupying fractures in the rock. Trace fine grained pyrite. Possible foliation @ 070°.		<5	15	40	60	<0.5

NEO GOLD

TRAVERSE NUMBER _____ PROJECT Cairo GEOLOGIST(S) T. Froude

N.T.S. 42-A-2/41-P-15 AREA _____ DATE October 14, 1990

SAMPLE NUMBER	SAMPLE TYPE: RX Rock, Talus	SAMPLE TYPE: SX Stream Silt, Soil	SAMPLE TYPE: Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION: Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	RESULTS (ppm, %, oz. per ton) Au ppb	Cu ppm	Ni ppm	Zn ppm	Ag ppm
210529	RK	-	Grab	10,635 N	135+25 E	Quartz vein in red, medium to coarse grained, syenite. Appears to be a quartz "sweat" occupying one of a series of parallel fractures within the syenite. Chlorite is common along the hairline or thin fractures. Trace pyrite near vein margins. Fracture (vein) orientation is 072°/subvertical.	<5	25	15	30	<0.5
210530	RK	-	Grab	9535 N	135+05 E	Reddish-orange, very fine grained, siliceous looking rock. Possibly a F.g. dike phase of the syenite. Rusty along fractures and carrying ~ 1% fine grained pyrite distributed throughout the rock. (Possibly a large piece of float)	6	15	30	10	<0.5
210531	RK	-	Grab	~9615 N	~135+85 E	Sample taken ~ 5 metres south of property boundary.. Sample is from the largest (up to 10 cm's wide) of 3 subparallel quartz veins cutting massive red syenite. The veins are vertical and are generally glassy. The sampled vein carries stringers and blebs of chalcopyrite erratically distributed throughout the vein. The host syenite appears barren.	139	865	35	40	1.0
210532	RK	-	Grab	9000 N	135+98 E	Moderately foliated, chloritic syenite. Locally with glassy, foliation parallel quartz veins to 10 cm's wide. Outcrop dips into swampy ground, possibly a fault or shear zone. No visible sulphides. Foliation 036°/80°W.	<5	20	55	45	<0.5

RAVERSE NUMBER _____ PROJECT Cairo GEOLOGIST(S) Froude

T.S. 41 P/15 /12-A-2 AREA East Half of Property DATE October 25, 1990

AMPLE UMBER	SAMPLE TYPE: RX Rock, Talus	SAMPLE TYPE: SX Stream Silt, Soil	SAMPLE TYPE: Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and / or U.T.M.	SAMPLE DESCRIPTION: Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	RESULTS (ppm. / % / oz. per ton)	Au ppb	Cu ppm	Ni ppm	Zn ppm	Ag ppm
0545	Rk	-	Grab	10,325 N	18,400 E	Syenite. Orange-red, medium to coarse grained massive rock. Contains about 10% 1-4 mm euhedral hornblende crystals, locally pochalitic altered (chlorite?). No visible sulphide, but contains minor magnetite ± hematite. 75-90% of rock is ~~crst~~ crystalline pink (possibly hematized) Kspar.		8	45	20	15	<0.5

NCO GOLD

TRAVERSE NUMBER _____ PROJECT Coro GEOLOGIST(S) Froude

N.T.S. 41 P 15 /42-A-2 AREA East half of property DATE Oct 26/90

SAMPLE NUMBER	SAMPLE TYPE: RX Rock, Talus	SAMPLE TYPE: SX Stream Silt, Soil	SAMPLE TYPE: Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION: Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	RESULTS: Au ppb	Cu ppm	Ni ppm	Zn ppm	Ag ppm
Rx210546	RK	-	Grab	10470 N	17600 E	Syenite. Orange-red, medium to coarse grained massive rock. Contains about 10% 1-4 mm euhedral hornblende crystals partially altered (chlorite?). No visible sulphides but contains minor magnetite ± hematite.	<5	15	20	15	<0.5
Rx210547	RK	-	Grab	10025 N	16775 E	Diabase. Dark green fine grained, weakly to moderately foliated rock. Carries ~ pyrite and cut by occassional glassy qtz veinlets. Sample taken near sheared (Faulted?) contact with syenite.	<5	5	110	0.108%	<0.5
Rx210548	RK	-	Grab	9985 N	16755 E	Diabase as above but appears more massive and no qtz veinlets. Along fractures is a blue grey metallic mineral, possibly specularite.	11	5	130	0.208%	<0.5
Rx210549	RK	-	Grab	9985 N	16765 E	Syenite. Generally as Rx 210546. Sample taken near Rx 210548.	5	15	20	20	<0.5

TRAVERSE NUMBER _____ PROJECT Cairo GEOLOGIST(S) Froude

N.T.S. 41 P 15 14-2-A-2 AREA Whiskey Jack Lake DATE Oct 27/90

SAMPLE NUMBER	SAMPLE TYPE: RX Rock, Talus	SAMPLE TYPE: SX Stream Silt, Soil	SAMPLE TYPE: Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION: Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	RESULTS (ppm. / % / oz. per ton) Au ppb	Cu ppm	Ni ppm	Zn ppm	Ag ppm
10550	RK	-	Grab	9190N	12225E	Sheared syenite. Pinkish grey, moderately foliated syenite. Weakly magnetic, no visible sulphides. Foliation 056/60°N.	10	25	40	70	<0.5
10551	RK	-	Grab	9160N	12180E	Syenite. Reddish grey, medium to coarse grained massive looking rock. Minor irregular quartz stringers. Carries 2-3% fine grained pyrite disseminated throughout. Minor chlorite along fractures.	5	10	30	210	<0.5
210552	RK	-	Grab	9585N	12170E	Quartz vein. 10-15 centimetre wide glassy (locally smoky) quartz vein. Contains fragments of silicified syenite and green chlorite clots. Occassional blob of galena scattered throughout. Trace pyrite. 084/74°N	<5	20	35	50	3.5
210553	RK	-	Grab	9585N	12170E	Syenite. Host for above qtz vein. Grey-Pink medium grained silicified rock cut by several thin quartz stringers. Silicified zone approximately .6 meters wide. Carries 5% disseminated pyrite.	7	20	35	95	0.5
[illegible]	RK	-	0.6 metre	9585N	12170E	Chip across .6 metres of silicification and veining as described in 553 and 552.	6 5	15	30	55	0.5

TRAVERSE NUMBER _____ PROJECT Cairn GEOLOGIST(S) Frost

N.T.S. 41 P/5 AREA Whitehorse East DATE Oct 27/20

SAMPLE NUMBER	SAMPLE TYPE: RX Rock, Talus	SAMPLE TYPE: SX Stream Silt, Soil	SAMPLE TYPE: Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION: Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	RESULTS (ppm. / % / oz. per ton)	Au ppb	Cu ppm	Ni ppm	Zn ppm	Ag ppm
210555	RX	-	Grab	1545 N	12230 E	Syenite. Reddish, coarse grained, rather massive rock. Locally cut by 30-40% irregular thin quartz veinlets. Trace bornite in the stringers. Minor bleaching of alkali feldspar near margins.		<5	15	25	20	<0.5
210556	RX	-	Grab	1760 N	12210 E	Syenite. Medium grained massive reddish syenite. Possible trachytic texture with coarse (2-3 cm) feldspar laths common. Rock carries 1-2% pyrite disseminated throughout.		9	35	20	50	<0.5

NCO LIMITED

TRAVERSE NUMBER _____ PROJECT Cairn GEOLOGIST(S) Frouds

N.T.S. 41 P 15 AREA Browning Lake DATE Oct 30/90

SAMPLE NUMBER	SAMPLE TYPE: RX Rock, Talus	SAMPLE TYPE: SX Stream Silt, Soil	SAMPLE TYPE: Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION: Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	RESULTS (ppm. / % / oz. per ton) Au ppb	Cu ppm	Ni ppm	Zn ppm	Ag ppm
[illegible]	RK	—	grab	1500N	1602S E	Purplish-red grey medium grained syenite. Possibly weakly mineralized. No visible sulphide.	5	10	30	40	<0.5
00558	RK	—	Float	942SN	1600S E	Subangular Float ~ .75m x .75m x .50m. Greyish weathering, locally rusty on surfaces. Greyish-pink coarse grained syenite (possible trachytic texture) with feldspar phenocrysts to 3 cm long. Cut by several thin glassy qtz veinlets. Rock moderately silicified. Carries 7-10% fine grained stringer and disseminated pyrite.	28.376 ppm 17.5 ppm (CHECK)	55	25	30	6.0

NGU LIMITED

TRAVERSE NUMBER

N.T.S. [illegible]

PROJECT Cairo

AREA [illegible] Road

GEOLOGIST(S) Froude

DATE Oct 31/00

SAMPLE NUMBER	SAMPLE TYPE: RX Rock, Talus	SX Stream Silt, Soil	Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and / or U.T.M.	SAMPLE DESCRIPTION: Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	RESULTS (ppm. / % / oz. per ton): Au ppb	Cu PPM	Ni PPM	Zn PPM	Ag PPM
210559	Rk	-	Grab	7320 N	12295 E	Coarse grained red-pink syenite. 10-15% 2-5 mm hornblende phenos. Cut by occasional 1-4 mm qtz veinlets carrying minor [illegible]	21	35	30	85	<0.5
210560	Rk	-	Grab	7325 N	12295 E	Coarse grained pinkish red syenite. Cut by occasional qtz-calcite veinlet carrying minor chalcopyrite and pyrite.	29	180	25	30	<0.5
210561	Rk	-	Grab	10333 N	13725 E	Red-grey brecciated syenite. Red fragments of feldspar in a fine grained grey, siliceous matrix. Minor barite + fluorite veining. trace to 1% fine grained sulphide.	5	40	30	20	<0.5
210562	Rk	-	Grab	10333 N	13720 E	Qtz vein varying from 2-10 cm's wide cutting red-grey syenite. Grey-glassy looking quartz. No visible sulphides. Associated with barite veining.	8	25	40	35	<0.5
210563	Rk	-	Grab	10333 N	13720 E	Barite-Fluorite vein. Yellow-brown irregular vein of barite with occasional [illegible] of purple fluorite. Cutting red syenite (as in Rk 210562). Vein tends to pinch and swell from 2-15 cm's wide. Occurring along a narrow shear zone.	7	15	20	15	<0.5

INCO ENVIRONMENTAL

TRAVERSE NUMBER _____ PROJECT Cairo GEOLOGIST(S) Fraude

N.T.S. 42-A-2/41-P-15 AREA Western End of Grid DATE Nov/90

SAMPLE NUMBER	SAMPLE TYPE: RX Rock, Talus	SX Stream Silt, Soil	Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION: Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	RESULTS (ppm. / % / oz. per ton) Au ppb	Cu ppm	Ni ppm	Zn ppm	Ag ppm
210564	Rk	-	Grab	9160N	1955E	Fine grained medium green volcanic or possibly sediment. Rusty on weathered surfaces and fractures. Contains locally 10-15% disseminated and stringer sulphides (pyrite).	47	90	615	35	1.0
210565	Rk	-	Grab	9380N	1955E	Generally as Rx 210564 except contains 2-3% disseminated pyrite. Possibly weakly silicified.	7	40	40	30	<0.5
210566	Rk	-	Grab	9375N	1945E	Generally as Fine grained green volcanic or sediment as above. Cut by occasional thin glassy qtz vein. 1-2% sulphide in host and possibly minor fine grained pyrite in the veining.	69	35	75	85	2.5
							64				
210567	Rk	-	Grab	9375N	1945E	Grey-green fine grained, silicified volcanic (sediment?). Very rusty gossanous rock, blocky and fractured. Contains 2-4% very fine grained sulphide. Locally bleached looking.	5	50	35	15	<0.5
210568	Rk	-	Grab	9925N	1725E	Dark grey, fine grained argillaceous looking rock. Contains 2-3% stringers and blebs of pyrrhotite, pyrite and chalcopyrite. Possible bedding @ 156°/70°S.	12	80	195	80	<0.5
210569	Rk	-	Grab	9070N	1775E	Grey green, fine grained moderately foliated sericitic/chloritic sediment or possibly volcanic. Very rusty and contains ~7% disseminated and stringer sulphide, mostly pyrite with possibly minor pyrrhotite and chalcopyrite. Sample is a chunk of angular muck from a pit measuring 3m x 2m x unknown depth	12	135	210	270	1.0

NCO LIMITED

TRAVERSE NUMBER

N.T.S. 41P15

PROJECT Cuco

AREA Western End of Property

GEOLOGIST(S) Froude

DATE [illegible]

SAMPLE NUMBER	SAMPLE TYPE: RX Rock, Talus	SAMPLE TYPE: SX Stream Silt, Soil	SAMPLE TYPE: Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and / or U.T.M.	SAMPLE DESCRIPTION Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.		RESULTS (ppm. / % / oz. per ton) Au ppb	Cu ppm	Ni ppm	Zn ppm	Ag ppm
[illegible]210570	RK	-	Grab	9070 N	1775 E	Sulphide rich breccia. Possibly a silicified, brecciated fine grained rock (volcanic/sediment?) with 20-30% pyrrhotite, pyrite and minor chalcopyrite as the matrix.		25	500	660	360	4.0
X210571	RK	-	Grab	9075 N	1775 E	Possibly same rock as Rx210570, but not as brecciated and containing only 2-4% disseminated pyrite and pyrrhotite. Rock appears to be a greyish fine grained sediment.		49	135	310	305	1.5

NCO LIMITED

TRAVERSE NUMBER _____ PROJECT Cairn GEOLOGIST(S) Francis

N.T.S. 41 P/14 AREA Western End of property DATE Nov 2/90

SAMPLE NUMBER	SAMPLE TYPE: RX Rock, Talus	SAMPLE TYPE: SX Stream Silt, Soil	SAMPLE TYPE: Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION: Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	RESULTS (ppm. / % / oz. per ton) Au ppb	Cu ppm	Ni ppm	Zn ppm	Ag ppm
210572	RK	–	Grab	9390 N	10015 E	Grey to light green, very rusty on weathered surfaces, fine grained, siliceous rock. Possibly a silicified volcanic. Contains up to 2% stringer and disseminated pyrite, pyrrhotite and possibly minor chalcopyrite. Sample taken from gossanous, sulphide rich rock along the south edge of a shallow pit.	29	230	210	40	1.5
210573	RK	–	Grab	9385 N	10010 E	Husk sample from pit. Very rusty on weathered surfaces and fractures. Fine grained rock, light grey green in colour and possibly moderately silicified. Weak to moderate foliation. Contains 2-5% fine grained pyrite. No pyrrhotite.	20	45	100	70	1.0
210574	RK	–	Grab	9385 N	10005 E	Sample taken ~ 10 metres west of pit (RK 210572). Light grey green colour and moderately silicified. Generally a fine grained rock, but may be slightly brecciated. Numerous hairline fractures coated with green chlorite. Contains 2-4% fine grained pyrite with minor pyrrhotite.	7	65	65	55	0.5
210575	RK	–	Grab	9360 N	10032 E	Fine grained green, [illegible] weakly silicified volcanic rock. Generally rusty along fractures and weathered surfaces. Contains 1-2% fine grained disseminated pyrite.	75	50	35	25	<0.5
							46				
210576	RK	–	Grab	9335 N	10020 E	Dark green very fine grained volcanic rock. Appears cherty and is very hard. Locally rusty and fractures 1-2% fine grained and blebby pyrite. Cut by a few quartz [illegible] along some fractures.	758	75	145	70	0.5

INCO LIMITED

TRAVERSE NUMBER _____ PROJECT Cairo GEOLOGIST(S) Grondo

N.T.S. 42-A-2/41-P-15 AREA Western portion DATE Nov. 1/80

SAMPLE NUMBER	SAMPLE TYPE: RX Rock, Talus	SAMPLE TYPE: SX Stream Silt, Soil	SAMPLE TYPE: Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION: Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	RESULTS (ppm. / % / oz. per ton)	Au ppb	Cu PPM	Ni PPM	Zn PPM	Ag PPM
210577	RK	-	Grab	9225N	1995E	Grey brown, very fine grained, cherty rock. Locally looks bedded or banded. Extremely hard rock. Contains 10-20% fine grained, possibly banded pyrite. Could be a pyritic cherty unit.		32	55	250	20	<0.5
210578	RK	-	Grab	9055N	1021E	Similar to Rx 210577 only much darker grey and only containing 2-3% fine grained and stringer pyrite. Possibly a cherty horizon as Rx 210577.		41	45	65	200	0.5

NCO LIMITED

TRAVERSE NUMBER _____ PROJECT Cairo GEOLOGIST(S) Froude Jackson Truscott

N.T.S. 42-A-2 / 41-P-15 AREA Trenches near road on line 10600 E. DATE Nov 3/10

SAMPLE NUMBER	SAMPLE TYPE: RX Rock, Talus	SAMPLE TYPE: SX Stream Silt, Soil	SAMPLE TYPE: Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION: Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	RESULTS (ppm. / % / oz. per ton) Au ppb	Cu PPM	Ni PPM	Zn PPM	Ag PPM
[illegible]	T	-	[illegible]	106 E " thick sample west side	Trench near road	Syenite or syenite porphyry. Medium grained rather equigranular rock with some larger 2-4 mm feldspar crystals. Fairly massive looking rock except for mineral qtz + pyrite filled fractures. Contains 2-4% fine grained dissemination pyrite as well as the pyrite stringers.	21	20	20	15	<0.5
60	R	-	Grab	As above.		Quartz vein cutting syenite (porphyry?) as above. 10-15 cm wide quartz vein carrying up to 50% crystalline prismatic, green mineral. Possibly diopside. Minor fine, black chlorite or tourmaline. Trace pyrite in vein. 1% diss. pyrite in host.	8	10	20	10	<0.5
61	RK	-	Grab	East side of road.		Quartz vein as above, but contains 5-10% disseminated and stringer pyrite. Most of the sulphide appears associated with the green crystalline mineral. Minor malachite staining locally. Possibly minor chalcopyrite.	46	80	40	5	<0.5
62	RK	-	Grab	As above.		Fine grained green, weakly foliated volcanic. Contains 5-10% fine and coarse blebs of pyrite. Appears to be host for some of the quartz veining in [illegible] east of road.	57	170	55	80	<0.5

VCO LIMITED

TRAVERSE NUMBER _____ PROJECT Cairo GEOLOGIST(S) Francis

N.T.S. 42-A-2/41-P-15 AREA Whiskey Jack Lake (South of Lake) DATE Nov 2/87

SAMPLE NUMBER	SAMPLE TYPE: RX Rock, Talus	SAMPLE TYPE: SX Stream Silt, Soil	SAMPLE TYPE: Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION: Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	RESULTS (ppm. / % / oz. per ton) Au ppb	Cu ppm	Ni ppm	Zn ppm	Ag ppm
						Diabase - Syenite contact. 3-5 cm wide calcite vein with several smaller stringers along contact with diabase dike and red syenite. 1% galena with trace chalcopyrite and pyrite in the carbonate veining.					
10583	RX	-	30 cm chip	1290 N	2030 E		≥	395	55	0.888%	1.5
							<5	25	15	30	<0.5
10584	RX	-	grab	1475 N	11892 E	Red coarse grained syenite with 10-15% hornblende. Trace to 1% disseminated pyrite throughout.	<5				

[redacted]

TRAVERSE NUMBER _____ PROJECT Carco GEOLOGIST(S) Froude

N.T.S. 42A/2, 41P/15 AREA _____ DATE Nov 5 '00

SAMPLE NUMBER	SAMPLE TYPE: RX Rock, Talus	SAMPLE TYPE: SX Stream Silt, Soil	SAMPLE TYPE: Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION: Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	RESULTS (ppm. / % / oz. per ton) Au ppb	Cu ppm	Ni ppm	Zn ppm	Ag ppm
10585	RK	-	Grab	10745N	11680E	Altered sheared siltstone, tuff at contact with fine grained mafic/intermediate volcanic. Weakly sheared and rusty along surfaces and fractures. Minor carbonate along fractures. Locally pyrite to 20% as massive bands or beds, but generally pyrite is finely disseminated throughout; up to 5%.	140	2	58	66	<0.5
210586	RK	-	Grab	10890N	11703E	Dark green, very fine grained, weakly chloritic, mafic volcanic rock. Generally massive with no obvious fabric. Very rusty and contains 3-5% blebby and disseminated sulphide.	15	131	41	88	<0.5
210587	RK	-	Grab	11070N	11675E	Sericitic, bleached, volcanic, light gray-green, fine grained rock, highly altered. Possible weak foliation developed @ 130°/V. Contains 2-4% fine grained and stringer pyrite.	5	33	11	2	<0.5
210588	RK	-	Grab	11070N	11678E	Sample taken from same outcrop as RK210587. Extremely silicified rock, has a slight "banded" texture. Some qtz veining present. Contains 5-7% disseminated and stringer pyrite, and some pyrite is also found in the quartz veining. Grayish green in colour, but locally white. Some sericite along fractures.	100	82	38	8	<0.5

TRAVERSE NUMBER _____ PROJECT Cairo GEOLOGIST(S) Froude

N.T.S. 42A/2 41P/15 AREA _____ DATE Nov 5/90

SAMPLE NUMBER	SAMPLE TYPE: RX Rock, Talus	SAMPLE TYPE: SX Stream Silt, Soil	SAMPLE TYPE: Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION: Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	RESULTS: Au ppb	Cu ppm	Ni ppm	Zn ppm	Ag ppm
10589	RK	-	Grab	11305 N	11695 E	Dark green, fine grained, possibly basaltic or somewhat intermediate, volcanic rock, chlorite altered and contains 3-5% disseminated and stringer sulphide. No fabric developed.	20	35	35	90	<0.5
10590	RK	-	Grab	10520 N	11790 E	Medium green, fine grained, chloritic, mafic volcanic. Weakly carbonatized. Very rusty along fractures and weathered surfaces. Rock contains 3-5% fine grained, disseminated pyrite.	100	10	21	46	<0.5

INCO GOLD

TRAVERSE NUMBER Cairo Property PROJECT Cairo Project GEOLOGIST(S) T. & E. T[illegible]

N.T.S. 42-P-2 AREA Cairo Township DATE Oct / 1980

SAMPLE NUMBER	SAMPLE TYPE: RX Rock, Talus	SAMPLE TYPE: Float ~~Stream~~ Silt, ~~Soil~~	SAMPLE TYPE: Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION: Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	RESULTS (ppm. / % / oz. per ton) Au ppb	Cu ppm	Ni ppm	Zn ppm	Ag ppm
210701		CJ-1		GRAB	L15+00E	F to m gr. dark GRAY MASSIVE WKLY MAGNETIC DIABASE TEXTURED DIABASE DIKE. TRACE OF PYRITE	5	195	45	170	<0.5
210702		CJ-2		GRAB	L15+00E	C. gr, PINK, PORPHYRITIC FELDSPARS FROM 4 mm TO 3mm WIDE, WKLY MAGNETIC, MASSIVE. 10% HORNBLENDE KRYS TO 1mm RANDOMLY ORIENTED. SYENITE	<5 <5	15	25	45	<0.5
RX210703		CJ-3		30 cm CHIP	L15+00E	AS TO RX 210702 BUT WITH 5cm WIDE BARREN QTZ VEIN. THE VEIN is 30cm LONG AND PINCHES OUT AT BOTH ENDS VEIN 066°/85°N	<5	25	45	15	<0.5
RX210704		CJ-4		60 cm CHIP	L19+00E	F. gr. PINK SACCHARY TEXTURED, MASSIVE, WKLY MAGNETIC. POSSIBLE SYENITE DIKE. DIKE is PROBABLY FINE GRAINED PHASE OF SYENITE	<5	60	20	20	<0.5
RX210705		CJ-5		10 cm CHIP	L14+00E	10cm WIDE, 80cm LONG QUARTZ VEIN IN SYENITE. BARREN	<5	20	45	15	<0.5
RX210706		CJ-6		GRAB	L14+00E	BXD SYENITE, SMALL 1cm WIDE QTZ VEINS.	<5	15	40	45	<0.5
RX-210707		CJ-7		GRAB	L14+00E	SYENITE AS TO RX-210702	<5	25	40	405	<0.5
RX-210708		CJ-8		GRAB	L14+00E	SYENITE AS TO RX-210702	<5	25	20	20	<0.5

INCO GOLD

TRAVERSE NUMBER Cairo Property PROJECT Cairo Project GEOLOGIST(S) J. E. Jaconi

N.T.S. 42-P-2 AREA Cairo Township DATE Oct 17/86

SAMPLE NUMBER	SAMPLE TYPE: RX Rock, Talus	SAMPLE TYPE: Float Stream Silt, Soil	SAMPLE TYPE: Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION: Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	RESULTS (ppm. / % / oz. per ton) Au ppb	Cu ppm	Ni ppm	Zn ppm	Ag ppm
210709		CJ-9	GRAB		L14+00E	F.G. BLEACHED LT. PINK SYENITE. 40cm x 40cm PUD IN SYENITE.	8	160	40	30	1.5
210710		CJ-10	GRAB		L13+50E	AS TO RX-210702 SYENITE	<5	15	25	40	<0.5
210711		CJ-11	GRAB		L13+80E	DIABASE AS TO RX-210701.	<5	150	35	80	<0.5
210712		CJ-12	GRAB		L14+20E	V.F.G. DK GRAY, WKLY MAGNETIC HORN. SYENITE.	5	95	30	30	1.0
RK-210713		CJ-13	GRAB		L14+30E	SYENITE AS TO RX-210702	<5	25	20	20	<0.5
210714		CJ-14	CHIP	50cm	L13+90E	F.G. DARK GREEN CHLORITIC, HARD SHEAR IN SYENITE. 5cm CHIP OF SHEAR. SMALL 1cm QTZ (DISCONTINUOUS) STRINGERS IN ZONE.	<5 <5	10	30	75	<0.5

GOLD

TRAVERSE NUMBER _____
N.T.S. 42-A-2

PROJECT Cripzo Property
AREA Cripzo Twp 42-A-2

GEOLOGIST(S) J.E. Jurasek
DATE Oct. 22/87

SAMPLE NUMBER	SAMPLE TYPE: RX Rock, Talus	SAMPLE TYPE: SX Stream Silt, Soil	SAMPLE TYPE: Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION: Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	RESULTS (ppm./%/oz. per ton): Au ppb	Cu ppm	Ni ppm	Zn ppm	Ag ppm
210715			GRAB			MAF., DK GRAY, MASSIVE, CHLORITIC, DIABASE DIKE. TRACE OF PYRITE	65	150	40	95	<0.5
210716			GRAB			FINE GRAINED, GRAY MATRIX WITH PORPHYRITIC FELDSPARS (PINK), WKLY CARBONATIZED, WKLY MAGNETIC, MASSIVE SYENITE	10	10	30	100	<0.5
210717			GRAB			AS TO RX 210716 BUT WITH 1 TO 3mm WIDE QTZ VIENS ALONG JOINTING IN THE SYENITE	<5	20	30	125	<0.5
210718			CHIP	60cm		AS TO RX 210716 BUT SYENITE is FOLIATED AND CONTAINS 1TO 2mm WIDE QTZ VIENS AND STRINGERS ALONG FOLIATION (POSSIBLE SHEAR) TRACE OF CHALCOPYRITE. CHIP IS ALONG FOLIATION; NOT ACROSS IT. FOLIATION ZONE IS 10cm WIDE.	58	75	30	55	0.5
210719			GRAB			AS TO RX 210716.	6	25	40	100	<0.5
210720			CHIP	1 METRE		V.F.GR., SILICIFIED, WKLY MAGNETIC SYENITE, NEAR DIABASE CONTACT	<5	30	25	30	<0.5
210721			CHIP	1 METRE		AS ABOVE WITH RX 210720. TRACE OF PYRITE.	5	30	20	40	<0.5
210722			CHIP	1 METRE		AS TO RX 210720	9	45	25	65	<0.5
210723			CHIP	1 METRE		AS TO RX 210720	12	35	30	55	0.5

INCO GOLD

TRAVERSE NUMBER _____ PROJECT CAIRO PROJECT GEOLOGIST(S) Jas E. Jurgeit

N.T.S. 42-P-2 AREA CAIRO TWP. DATE Nov. / 2021

SAMPLE NUMBER	SAMPLE TYPE: RX Rock, Talus	SAMPLE TYPE: SX Stream Silt, Soil	SAMPLE TYPE: Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION: Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	RESULTS (ppm. / % / oz. per ton) Au ppb	Cu ppm	Ni ppm	Zn ppm	Ag ppm
							5	60	60	315	<0.5
x-210724			GRAB		OCT. 31	F TO M.gr., DK gray MASSIVE, MODERATELY MAGNETIC DIABASE. HEMATITE ALTERATION AS SMALL SPOTS IN DIABASE. PYRITE OCCURS AS SMALL SLOTS THROUGHOUT.					
							<5	20	25	55	<0.5
x-210725			CHIP	40cm	OCT. 31	40cm chip ALONG A 5cm WIDE QUARTZ VEIN. VEIN CONTAIN BRECCIATED FRAGMENTS OF SYENITE. BARREN	<5				
							<5	60	15	30	<0.5
x 210726			CHIP	30cm	OCT. 31	30cm CHIP NEXT TO RX-210725. C.gr. BLEACHED, SILICIFIED, SYENITE. TRACE OF PYRITE.					
							<5	20	20	20	<0.5
x-210727			GRAB		OCT. 31	GRAB OF QUARTZ VEIN. VEIN RANGES FROM 10cm TO 40cm. WIDE AND OUTCROPS FOR 2-3m. VEIN CONTAINS BXD SYENITE FRAGMENTS TRACE OF PYRITE AND GALENA.					
							9	15	65	10	<0.5
x-210728			GRAB		NOV. 1	M.gr., MASS, PINK, SUGARY TEXTURED FELDSPAR PORPHYRY w/ 2 TO 5% V.F.gr. TO F.gr. DISSEMINATED PYRITE THROUGHOUT.					
							5	40	30	45	<0.5
x-210729			GRAB		NOV. 1	F.gr., DK GRAY TO GREEN, MASSIVE, MODERATELY MAGNETIC. 2% TO 5% V.F.gr. DISSEMINATED PYRITE. BASALT					

INCO GOLD

TRAVERSE NUMBER _____ PROJECT Cairo Project GEOLOGIST(S) J.E. Thomas

N.T.S. 42-A-2/41-P-V AREA _____ DATE Nov. 1/82

SAMPLE NUMBER	SAMPLE TYPE: RX Rock, Talus	SAMPLE TYPE: SX Stream Silt, Soil	SAMPLE TYPE: Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION: Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	RESULTS (ppm. / % / oz. per ton) Au ppb	Cu ppm	Ni ppm	Zn ppm	Ag ppm
x-210730			GRAB		Nov. 1	M.gc dk GRAY, MASSIVE DIABASE DIKE. HEMATITE CHLTS. TRACE OF PYRITE	9	20	25	15	<0.5
x-210731			GRAB		Nov. 1	V.F.gc BLEACHED, LIGHT GREEN, MINOR QUARTZ FLOODING, NON MAGNETIC, ALTERED BASALT.	7	70	65	50	<0.5
x-210732			GRAB		Nov. 1	QUARTZ FLOODED FELDSPAR PORPHYRY. TRACE OF PYRITE	<5	15	75	60	<0.5
x-210733			CHIP	1.0m	Nov. 1	QUARTZ VEIN. MILKY WHITE. POSSIBLE TRACE OF PYRITE.	<5	10	25	5	<0.5
x-210734			CHIP	0.5m	Nov. 1	AS TO 210733. 1.5m VEIN IN FELDSPAR PORPHYRY.	<5	15	30	5	<0.5
							<5	CHECK			
x-210735			GRAB		Nov. 1	M.gc, DK GRAY, MASSIVE DIABASE. 1-2% V.F.gc. PYRITE. NUMEROUS QUARTZ VEINING THROUGHOUT.	56	85	25	15	<0.5
Rx-210736			GRAB		Nov. 1	FELDSPAR PORPHYRY AS TO Rx-210728. TRACE PYRITE.	9	35	30	40	<0.5
							6	CHECK			

INCO GOLD

TRAVERSE NUMBER _____
N.T.S. 42-D-2 / 41-P-15

PROJECT CAIRO PROPERTY
AREA MATACHEWAN

GEOLOGIST(S) J. W. Smith
DATE NOV 9/91

SAMPLE NUMBER	SAMPLE TYPE: RX Rock, Talus	SAMPLE TYPE: SX Stream Silt, Soil	SAMPLE TYPE: Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION: Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	RESULTS (ppm / % / oz. per ton): Au ppb	Cu ppm	Ni ppm	Zn ppm	Ag ppm
						BLEACHED, GRANULAR TEXTURED, WEAKLY SILICIFIED, SERICITIZED, LIGHT (PALE) WHITISH-GREEN, NON-MAGNETIC MASSIVE. POSSIBLE SEDIMENT? PROBABLE ALTERED MAFIC VOLANIC FLOW. 2-4% V.F.gr. DISSEMINATED PYRITE.	15	9	69	30	<0.5
210737			GRAB								
						F.gr., CHLORITIC, DARK GREEN, MAFIC SCHIST (BASALT) WITH QUARTZ-CARBONATE POSSIBLE FELDSPAR VEINING ALONG FOLIATION 1% PYRITE IN CHLORITE. GRAB FROM AN OVERBURDEN TRENCH	25	1	82	86	<0.5
X 210738			GRAB								
						MILKY WHITE TO LIGHT GRAY, MASSIVE QUARTZ VEIN. VEIN PERPENDICULAR TO FOLIATION OF HOST F.gr. SYENITE. FOLIATION 135° AND IS PARALLEL TO VEIN. VEIN OUTCROPS 10 cm WIDE. CHIP IS ALONG VEIN AXIS	<5	30	5	110	1.0
X 210739			CHIP	10cm							
						F.gr., DARK GRAY-GREEN, MASSIVE NON-MAGNETIC, CHLORITIC BASALT 2-3% V.F.gr. PYRITE.	45	42	53	120	<0.5
X 210740			GRAB								
						F.gr., LT. GRAY PORPHYRITIC, STRONGLY SILICIFIED, DIABASE DIKE. TR. PY., POSSIBLY A PORPHYRITIC RHYOLITE	<5	11	62	46	<0.5
X 210741			GRAB								

INCO GOLD

TRAVERSE NUMBER
N.T.S. 42-A-2/41-P-15

PROJECT CAIRO PROPERTY
AREA

GEOLOGIST(S) DAVE TULK
DATE NOV. 8/88

SAMPLE NUMBER	SAMPLE TYPE: RX Rock, Talus	SAMPLE TYPE: SX Stream Silt, Soil	SAMPLE TYPE: Grab, Chip, Channel	SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION: Rock type, lithology, character of soil, stream silt, etc. Formation Mineralization, etc.	RESULTS (ppm, %, oz. per ton): Au ppb	Cu ppm	Ni ppm	Zn ppm	Ag ppm
X 210742			GRAB			V.F.g.c. CREAMY GRAY-BEIGE, MASSIVE STRONGLY SILICIFIED RHYOLITE. 3% V.F.g.c. PYRITE THROUGHOUT.	<5	82	39	66	0.5
X 210743			GRAB			V.F.g.c. DK GRAY, SILICIFIED, MASSIVE ALTERED BASALT. POSSIBLE ANDESITE. TRACE OF PYRITE.	<5	23	31	40	0.5
X 210744			GRAB			AS TO 210742.	<5	10	5	32	0.5

APPENDIX 2

ASSAY SHEETS

ACCURASSAY LABORATORIES LTD.

P.O. BOX 426
KIRKLAND LAKE, ONTARIO, CANADA P2N 3J1
TEL.: (705) 567-3361

President: Dr. GEORGE DUNCAN, M.Sc., Ph. D., C. Chem (Ont.), C. Chem (U.K.), M.C.I.C., M.R.S.C., A.R.C.S.T.

Certificate of Analysis

Mr. Frank Gibson
Inco Explo. Technical Services
36812 Engineering Building
Highway 17 W
Copper Cliff, Ontario
P0M 1N0

Date: October 19 19 90

Work Order # : 900743
Project :

SAMPLE NUMBERS Accurassay	Customer	Gold Oz/T	Gold ppb	
228203	RX-210526	<0.001	<5	
228204	RX-210527	<0.001	6	
228205	RX-210528	<0.001	<5	
228206	RX-210529	<0.001	<5	
228207	RX-210530	<0.001	6	
228208	RX-210531	0.004	139	
228209	RX-210532	<0.001	<5	
228210	RX-210601	<0.001	<5	
228211	RX-210602	<0.001	12	
228212	RX-210603	<0.001	<5	
228212	RX-210603	<0.001	<5	Check
228213	RX-210604	0.030	1021	
228214	RX-210605	<0.001	<5	
228215	RX-210606	<0.001	10	
228216	RX-210607	0.001	21	
228217	RX-210608	<0.001	8	
228218	RX-210609	<0.001	6	
228219	RX-210610	<0.001	9	
228220	RX-210701	<0.001	5	
228221	RX-210702	<0.001	<5	
228221	RX-210702	<0.001	<5	Check
228222	RX-210703	<0.001	<5	
228223	RX-210704	<0.001	<5	
228224	RX-210705	<0.001	<5	
228225	RX-210706	<0.001	<5	
228226	RX-210707	<0.001	<5	
228227	RX-210708	<0.001	<5	
228228	RX-210709	<0.001	8	
228229	RX-210710	<0.001	<5	
228230	RX-210711	<0.001	<5	
228230	RX-210711	<0.001	<5	Check

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Dr. G. Duncan
CHEMIST

Per: G. Duncan

ACCURASSAY LABORATORIES LTD.

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Certificate of Analysis

Mr. Frank Gibson
Inco Explo. Technical Services Date: October 19 19 90
36813 Engineering Building
Highway 17 W
Copper Cliff, Ontario
POM 1NO

Work Order # : 900743
Project :

SAMPLE NUMBERS Accurassay	Customer	Gold Oz/T	Gold ppb	
228231	RX-210712	<0.001	5	
228232	RX-210713	<0.001	<5	
228233	RX-210714	<0.001	<5	
228233	RX-210714	<0.001	<5	Check

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Certificate of Analysis

Mr. Frank Gibson
Inco Explo. Technical Services
37066 Engineering Building
Highway 17 W
Copper Cliff, Ontario
P0M 1N0

Date: November 2 19 90

Work Order # : 900787
Project :

SAMPLE NUMBERS Accurassay	Customer	Gold Oz/T	Gold ppb	
229143	RX-210545	<0.001	8	
229144	RX-210546	<0.001	<5	
229145	RX-210547	<0.001	<5	
229146	RX-210548	<0.001	11	
229147	RX-210549	<0.001	5	
229148	RX-210550	<0.001	10	
229149	RX-210551	<0.001	5	
229150	RX-210552	<0.001	<5	
229151	RX-210553	<0.001	7	
229152	RX-210554	<0.001	6	
229152	RX-210554	<0.001	5	Check
229153	RX-210555	<0.001	<5	
229154	RX-210556	<0.001	9	
229155	RX-210611	<0.001	9	
229156	RX-210612	<0.001	10	
229157	RX-210613	<0.001	11	
229158	RX-210614	<0.001	<5	
229159	RX-210615	<0.001	<5	
229160	RX-210616	0.001	22	
229161	RX-210617	0.001	39	
229161	RX-210617	0.001	36	Check
229162	RX-210715	0.002	65	
229163	RX-210716	<0.001	10	
229164	RX-210717	<0.001	<5	
229165	RX-210718	0.002	58	
229166	RX-210719	<0.001	6	
229167	RX-210720	<0.001	<5	
229168	RX-210721	<0.001	5	
229169	RX-210722	<0.001	9	
229170	RX-210723	<0.001	12	
229170	RX-210723	<0.001	9	Check

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Certificate of Analysis

Mr. Frank Gibson
Inco Explo. Technical Services
37232 Engineering Building
Highway 17 W
Copper Cliff, Ontario
P0M 1N0

Date: November 9 19 90

Work Order # : 900816
Project :

SAMPLE NUMBERS Accurassay	Customer	Gold Oz/T	Gold ppb	
229838	RX-210557	<0.001	5	
229839	RX-210558	0.826	28376	
229840	RX-210559	0.001	21	
229841	RX-210560	0.001	29	
229842	RX-210561	<0.001	5	
229843	RX-210562	<0.001	8	
229844	RX-210563	<0.001	7	
229845	RX-210564	0.001	47	
229846	RX-210565	<0.001	7	
229847	RX-210566	0.002	69	
229847	RX-210566	0.002	64	Check
229848	RX-210567	<0.001	5	
229849	RX-210568	<0.001	12	
229850	RX-210569	<0.001	12	
229851	RX-210570	0.001	25	
229852	RX-210571	0.001	49	
229853	RX-210572	0.001	29	
229854	RX-210573	0.001	20	
229855	RX-210574	<0.001	7	
229856	RX-210575	0.002	75	
229856	RX-210575	0.001	46	Check
229857	RX-210576	0.022	758	
229858	RX-210577	0.001	32	
229859	RX-210578	0.001	41	
229860	RX-210579	0.001	21	
229861	RX-210580	<0.001	8	
229862	RX-210581	0.001	46	
229863	RX-210582	0.002	57	
229864	RX-210583	<0.001	7	
229865	RX-210584	<0.001	<5	
229865	RX-210584	<0.001	<5	Check

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Certificate of Analysis

Mr. Frank Gibson
Inco Explo. Technical Services
37259 Engineering Building
Highway 17 W
Copper Cliff, Ontario
P0M 1N0

Date: November 12 19 90

Work Order # : 900817
Project :

SAMPLE NUMBERS Accurassay	Customer	Gold Oz/T	Gold ppb	
229866	RX-210618	0.001	23	
229867	RX-210619	0.001	19	
229868	RX-210620	<0.001	<5	
229869	RX-210621	<0.001	7	
229870	RX-210622	0.001	46	
229871	RX-210623	0.001	35	
229872	RX-210624	0.003	89	
229873	RX-210625	<0.001	<5	
229874	RX-210626	<0.001	<5	
229875	RX-210627	<0.001	7	
229875	RX-210627	<0.001	<5	Check
229876	RX-210628	<0.001	<5	
229877	RX-210629	<0.001	<5	
229878	RX-210630	<0.001	<5	
229879	RX-210631	<0.001	10	
229880	RX-210632	<0.001	<5	
229881	RX-210633	<0.001	12	
229882	RX-210634	<0.001	5	
229883	RX-210724	<0.001	5	
229884	RX-210725	<0.001	<5	
229884	RX-210725	<0.001	<5	Check
229885	RX-210726	<0.001	<5	
229886	RX-210727	<0.001	<5	
229887	RX-210728	<0.001	9	
229888	RX-210729	<0.001	5	
229889	RX-210730	<0.001	9	
229890	RX-210731	<0.001	7	
229891	RX-210732	<0.001	<5	
229892	RX-210733	<0.001	<5	
229893	RX-210734	<0.001	<5	
229893	RX-210734	<0.001	<5	Check

ASSOCIATION OF THE CHEMICAL PROFESSION OF ONTARIO
CHARTERED
Dr. G. Duncan
CHEMIST

Per: G Duncan

LF-30

ACCURASSAY LABORATORIES LTD.

P.O. BOX 426
KIRKLAND LAKE, ONTARIO, CANADA P2N 3J1
TEL.: (705) 567-3361

President: Dr. GEORGE DUNCAN, M.Sc., Ph. D., C. Chem (Ont.), C. Chem (U.K.), M.C.I.C., M.R.S.C., A.R.C.S.T.

Certificate of Analysis

Mr. Frank Gibson
Inco Explo. Technical Services
37260 Engineering Building
Highway 17 W
Copper Cliff, Ontario
P0M 1N0

Date: November 12 19 90

Work Order # : 900817
Project :

SAMPLE NUMBERS Accurassay	Customer	Gold Oz/T	Gold ppb	
229894	RX-210735	0.002	56	
229895	RX-210736	<0.001	9	
229895	RX-210736	<0.001	6	Check

ASSOCIATION OF THE CHEMICAL PROFESSION OF ONTARIO
CHARTERED
Dr. G. Duncan
CHEMIST

Per: G Duncan

LF-30

C. C. EXPLORATION GEOCHEM LAB

Submitted By : JEJ
Reported To : .....

Approved : .....
Date : 11-29-1990

Property : Matchewan
Account No. : 60371-52020

Borehole :

Analysed : 11-28-1990 by HCM Method : FIRE ASSAY - AA
Our File : B:811-23

ALL ASSAYS IN PPB UNLESS OTHERWISE STATED
DETECTION LIMITS (all in PPM, except AU in PPB) : AU = 5

Sample No.	AU
RX 210558	17.5 PPM

JJ / TF

Dump file created on 7-DEC-90 13:13:07

file name : A9027332
date received : 26-NOV-90
date last updated : 7-DEC-90
status : FINAL
total number of columns : 2
number of prep. codes : 1
number of parameters : 1
columns transferred : 1
total number of samples : 14
sample range transferred : 1- 14
project : 60371-52020
comments : ATTN: R. DUTCHBURN

Parameter list

Column number	Chemex code	Parameter description	Detection limit
1	100	Au ppb FA+AA	5.00

	a9027332 Au
	1
1 RX 210585	140.
2 RX 210586	15.
3 RX 210587	5.
4 RX 210588	100.
5 RX 210589	20.
6 RX 210590	100.
7 RX 210737	15.
8 RX 210738	25.
9 RX 210739	<5.
10 RX 210740	45.
11 RX 210741	<5.
12 RX 210742	<5.
13 RX 210743	<5.
14 RX 210744	<5.

C.C. EXPLORATION GEOCHEM LAB

Submitted By : .....
Reported To : .....

Approved : .....
Date : 01-21-1991

Property : ONTARIO
Account No. : 60371-52020

Borehole :

Analysed : 01-18-1991 by HCM Method : PARTIAL DIGEST - AA
Our File : A:P01-18

ALL ASSAYS IN PPB UNLESS OTHERWISE STATED
DETECTION LIMITS (all in PPM, except AU in PPB) : CU = 5 NI = 5 ZN = 5 AG = .5

Sample No.	CU		NI		ZN		AG		
RX 210526	120	PPM	25	PPM	70	PPM		1.5	PPM
RX 210527	190	PPM	45	PPM	65	PPM	<	0.5	PPM
RX 210528	15	PPM	40	PPM	60	PPM	<	0.5	PPM
RX 210529	25	PPM	15	PPM	30	PPM	<	0.5	PPM
RX 210530	15	PPM	30	PPM	10	PPM	<	0.5	PPM
RX 210531	865	PPM	35	PPM	40	PPM		1.0	PPM
RX 210532	20	PPM	55	PPM	45	PPM	<	0.5	PPM

C.C. EXPLORATION GEOCHEM LAB

Submitted By : ..... Approved : .....
Reported To : ..... Date :01-21-1991

Property : ONTARIO Borehole :
Account No. : 60371-52020

Analysed : 01-18-1991 by HCH Method : PARTIAL DIGEST - AA
Our File : A:P01-18

ALL ASSAYS IN PPB UNLESS OTHERWISE STATED
DETECTION LIMITS (all in PPM, except AU in PPB) : CU = 5 NI = 5 ZN = 5 AG = .5

Sample No.	CU	NI	ZN	AG
RX 210545	45 PPM	20 PPM	15 PPM	< 0.5 PPM
RX 210546	15 PPM	20 PPM	15 PPM	< 0.5 PPM
RX 210547	5 PPM	110 PPM	0.108 %	< 0.5 PPM
RX 210548	5 PPM	130 PPM	0.203 %	< 0.5 PPM
RX 210549	15 PPM	20 PPM	20 PPM	< 0.5 PPM
RX 210550	25 PPM	40 PPM	70 PPM	< 0.5 PPM
RX 210551	40 PPM	30 PPM	210 PPM	< 0.5 PPM
RX 210552	20 PPM	35 PPM	50 PPM	3.5 PPM
RX 210553	20 PPM	35 PPM	95 PPM	0.5 PPM
RX 210554	15 PPM	30 PPM	55 PPM	0.5 PPM
RX 210555	15 PPM	25 PPM	20 PPM	< 0.5 PPM
RX 210556	35 PPM	20 PPM	50 PPM	< 0.5 PPM
RX 210557	10 PPM	30 PPM	40 PPM	< 0.5 PPM
RX 210558	55 PPM	25 PPM	30 PPM	6.0 PPM
RX 210559	35 PPM	30 PPM	65 PPM	< 0.5 PPM
RX 210560	180 PPM	25 PPM	30 PPM	< 0.5 PPM
RX 210561	40 PPM	30 PPM	20 PPM	< 0.5 PPM
RX 210562	25 PPM	40 PPM	35 PPM	< 0.5 PPM
RX 210563	15 PPM	20 PPM	15 PPM	< 0.5 PPM
RX 210564	30 PPM	615 PPM	35 PPM	1.0 PPM
RX 210565	40 PPM	40 PPM	30 PPM	< 0.5 PPM
RX 210566	35 PPM	75 PPM	85 PPM	2.5 PPM
RX 210567	50 PPM	35 PPM	15 PPM	< 0.5 PPM
RX 210568	80 PPM	135 PPM	80 PPM	< 0.5 PPM
RX 210569	125 PPM	210 PPM	270 PPM	1.0 PPM
RX 210570	500 PPM	660 PPM	360 PPM	4.0 PPM
RX 210571	135 PPM	310 PPM	305 PPM	1.5 PPM
RX 210572	250 PPM	210 PPM	40 PPM	1.5 PPM
RX 210573	45 PPM	100 PPM	70 PPM	1.0 PPM
RX 210574	65 PPM	65 PPM	55 PPM	0.5 PPM
RX 210575	50 PPM	35 PPM	25 PPM	< 0.5 PPM
RX 210576	75 PPM	145 PPM	70 PPM	0.5 PPM
RX 210577	55 PPM	250 PPM	20 PPM	< 0.5 PPM
RX 210578	45 PPM	65 PPM	200 PPM	0.5 PPM
RX 210579	20 PPM	20 PPM	15 PPM	< 0.5 PPM
RX 210580	10 PPM	20 PPM	10 PPM	< 0.5 PPM
RX 210581	60 PPM	40 PPM	5 PPM	< 0.5 PPM
RX 210582	170 PPM	55 PPM	80 PPM	< 0.5 PPM
RX 210583	395 PPM	55 PPM	0.886 %	1.5 PPM
RX 210584	25 PPM	15 PPM	30 PPM	< 0.5 PPM

C.C. EXPLORATION GEOCHEM LAB

Submitted By : ..... Approved : .....
Reported To : ..... Date :01-21-1991

Property : ONTARIO Borehole :
Account No. : 60371-52020

Analysed : 01-18-1991 by HCN Method : PARTIAL DIGEST - AA
Our File : A:R01-16

ALL ASSAYS IN PPB UNLESS OTHERWISE STATED
DETECTION LIMITS (all in PPM, except AU in PPB) : CU = 5 NI = 5 ZN = 5 AG = .5

Sample No.	CU	NI	ZN	AG
RX 210601	40 PPM	20 PPM	10 PPM	< 0.5 PPM
RX 210602	25 PPM	35 PPM	620 PPM	< 0.5 PPM
RX 210603	30 PPM	50 PPM	< 5 PPM	< 0.5 PPM
RX 210604	135 PPM	60 PPM	450 PPM	0.5 PPM
RX 210605	35 PPM	40 PPM	65 PPM	< 0.5 PPM
RX 210606	0.176 %	45 PPM	320 PPM	3.5 PPM
RX 210607	0.258 %	45 PPM	220 PPM	22.5 PPM
RX 210608	265 PPM	45 PPM	140 PPM	4.5 PPM
RX 210609	30 PPM	45 PPM	280 PPM	1.5 PPM
RX 210610	200 PPM	50 PPM	110 PPM	< 0.5 PPM
RX 210611	5 PPM	130 PPM	95 PPM	< 0.5 PPM
RX 210612	35 PPM	30 PPM	30 PPM	< 0.5 PPM
RX 210613	35 PPM	30 PPM	35 PPM	< 0.5 PPM
RX 210614	20 PPM	20 PPM	95 PPM	< 0.5 PPM
RX 210615	35 PPM	25 PPM	30 PPM	< 0.5 PPM
RX 210616	25 PPM	40 PPM	25 PPM	< 0.5 PPM
RX 210617	25 PPM	50 PPM	10 PPM	< 0.5 PPM
RX 210618	30 PPM	50 PPM	25 PPM	< 0.5 PPM
RX 210619	55 PPM	50 PPM	20 PPM	< 0.5 PPM
RX 210620	95 PPM	60 PPM	70 PPM	< 0.5 PPM
RX 210621	10 PPM	75 PPM	35 PPM	< 0.5 PPM
RX 210622	225 PPM	25 PPM	15 PPM	< 0.5 PPM
RX 210623	15 PPM	25 PPM	10 PPM	0.5 PPM
RX 210624	40 PPM	70 PPM	110 PPM	< 0.5 PPM
RX 210625	100 PPM	40 PPM	25 PPM	< 0.5 PPM
RX 210626	75 PPM	85 PPM	45 PPM	< 0.5 PPM
RX 210627	135 PPM	35 PPM	40 PPM	< 0.5 PPM
RX 210628	235 PPM	25 PPM	30 PPM	< 0.5 PPM
RX 210629	50 PPM	65 PPM	40 PPM	< 0.5 PPM
RX 210630	20 PPM	30 PPM	180 PPM	< 0.5 PPM
RX 210631	0.168 %	195 PPM	100 PPM	1.0 PPM
RX 210632	65 PPM	50 PPM	30 PPM	< 0.5 PPM
RX 210633	75 PPM	50 PPM	40 PPM	< 0.5 PPM
RX 210634	50 PPM	45 PPM	25 PPM	< 0.5 PPM

C.C. EXPLORATION GEOCHEM LAB

Submitted By : ..... Approved : .....
Reported To : ..... Date :01-21-1991

Property : ONTARIO Borehole :
Account No. : 60371-52020

Analysed : 01-18-1991 by HCM Method : PARTIAL DIGEST - AA
Our File : A:P01-18

ALL ASSAYS IN PPB UNLESS OTHERWISE STATED
DETECTION LIMITS (all in PPM, except AU in PPB) : CU = 5 NI = 5 ZN = 5 AG = .5

Sample No.	CU		NI		ZN		AG		
RX 210701	195	PPM	45	PPM	170	PPM	<	0.5	PPM
RX 210702	15	PPM	25	PPM	45	PPM	<	0.5	PPM
RX 210703	25	PPM	45	PPM	15	PPM	<	0.5	PPM
RX 210704	60	PPM	20	PPM	20	PPM	<	0.5	PPM
RX 210705	20	PPM	45	PPM	15	PPM	<	0.5	PPM
RX 210706	15	PPM	40	PPM	45	PPM	<	0.5	PPM
RX 210707	25	PPM	40	PPM	405	PPM	<	0.5	PPM
RX 210708	25	PPM	20	PPM	20	PPM	<	0.5	PPM
RX 210709	460	PPM	40	PPM	30	PPM		1.5	PPM
RX 210710	15	PPM	25	PPM	40	PPM	<	0.5	PPM
RX 210711	150	PPM	35	PPM	80	PPM	<	0.5	PPM
RX 210712	95	PPM	30	PPM	30	PPM		1.0	PPM
RX 210713	25	PPM	20	PPM	20	PPM	<	0.5	PPM
RX 210714	10	PPM	30	PPM	75	PPM	<	0.5	PPM
RX 210715	150	PPM	40	PPM	95	PPM	<	0.5	PPM
RX 210716	10	PPM	30	PPM	100	PPM	<	0.5	PPM
RX 210717	20	PPM	30	PPM	125	PPM	<	0.5	PPM
RX 210718	75	PPM	30	PPM	55	PPM		0.5	PPM
RX 210719	25	PPM	40	PPM	100	PPM	<	0.5	PPM
RX 210720	30	PPM	25	PPM	30	PPM	<	0.5	PPM
RX 210721	30	PPM	20	PPM	40	PPM	<	0.5	PPM
RX 210722	45	PPM	25	PPM	65	PPM	<	0.5	PPM
RX 210723	35	PPM	30	PPM	55	PPM		0.5	PPM
RX 210724	60	PPM	60	PPM	315	PPM	<	0.5	PPM
RX 210725	20	PPM	25	PPM	55	PPM	<	0.5	PPM
RX 210726	60	PPM	15	PPM	30	PPM	<	0.5	PPM
RX 210727	20	PPM	20	PPM	20	PPM	<	0.5	PPM
RX 210728	15	PPM	25	PPM	10	PPM	<	0.5	PPM
RX 210729	40	PPM	30	PPM	45	PPM	<	0.5	PPM
RX 210730	20	PPM	25	PPM	15	PPM	<	0.5	PPM
RX 210731	70	PPM	65	PPM	50	PPM	<	0.5	PPM
RX 210732	15	PPM	75	PPM	60	PPM	<	0.5	PPM
RX 210733	10	PPM	25	PPM	5	PPM	<	0.5	PPM
RX 210734	15	PPM	30	PPM	5	PPM	<	0.5	PPM
RX 210735	65	PPM	25	PPM	15	PPM	<	0.5	PPM
RX 210736	35	PPM	30	PPM	40	PPM	<	0.5	PPM

	Ag	Al	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
1 RX 210585	<0.5	7.36	260	<0.5	<2.	8.34	<0.5	80	197	2	7.25
2 RX 210586	<0.5	6.60	140	<0.5	<2.	6.57	<0.5	42	123	131	11.31
3 RX 210587	<0.5	8.40	370	0.5	<2.	2.40	<0.5	9	235	33	2.19
4 RX 210588	<0.5	3.74	210	<0.5	<2.	1.84	0.5	60	354	82	4.92
5 RX 210589	<0.5	5.44	90	<0.5	<2.	9.95	0.5	45	109	35	8.58
6 RX 210590	<0.5	7.96	2880	1.0	<2.	1.98	<0.5	17	90	10	4.64
7 RX 210737	<0.5	7.40	440	1.0	<2.	0.32	1.0	13	284	9	1.71
8 RX 210738	<0.5	3.28	150	0.5	<2.	9.18	1.0	48	515	1	7.77
9 RX 210739	1.0	1.10	370	<0.5	<2.	0.36	0.5	6	486	30	0.76
10 RX 210740	<0.5	9.22	190	<0.5	<2.	5.48	<0.5	30	168	42	8.69
11 RX 210741	<0.5	8.00	680	<0.5	<2.	3.33	1.0	16	323	11	3.28
12 RX 210742	<0.5	6.84	340	0.5	<2.	2.94	0.5	15	352	82	2.42
13 RX 210743	<0.5	8.25	460	<0.5	<2.	3.28	1.0	10	253	23	3.95
14 RX 210744	<0.5	7.48	940	0.5	<2.	0.49	1.0	5	103	10	1.96

	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sr	Ti	V	W	Zn
1 RX 210585	2.18	1.79	1860	<1.	2.11	58	290	12	475	0.70	251	<10.	66
2 RX 210586	0.50	2.23	1885	<1.	1.33	41	430	4	408	0.96	413	<10.	88
3 RX 210587	0.68	0.26	235	1	4.76	11	780	8	189	0.49	101	<10.	2
4 RX 210588	0.44	0.15	285	14	1.40	38	240	6	196	0.16	48	20	8
5 RX 210589	0.41	2.27	1290	<1.	2.95	35	450	8	185	0.61	223	<10.	90
6 RX 210590	4.89	2.22	850	<1.	2.78	21	1950	4	212	0.28	114	<10.	46
7 RX 210737	2.62	0.40	130	<1.	3.57	69	250	4	180	0.11	31	<10.	30
8 RX 210738	0.66	2.95	1775	14	0.16	82	3320	<2.	139	0.22	158	<10.	86
9 RX 210739	0.52	0.12	190	1	0.50	5	190	828	160	0.01	11	<10.	110
10 RX 210740	0.48	3.71	1700	<1.	2.02	53	1110	8	412	0.71	172	20	120
11 RX 210741	1.26	1.68	725	<1.	3.10	62	720	16	313	0.43	106	<10.	46
12 RX 210742	0.89	0.36	315	<1.	2.10	39	640	36	215	0.33	83	<10.	66
13 RX 210743	0.93	1.28	745	<1.	3.21	31	720	4	284	0.44	111	10	40
14 RX 210744	3.09	0.96	285	<1.	1.73	5	280	8	103	0.12	21	<10.	32

M L

Ministry of Northern Development and Mines

DOCUMENT No. W9108.00121

42A02SE0102 2.14122 ALMA

900

Report of Work

Mining Act

(Geophysical, Geological and Geochemical Surveys)

Mining Lands Section, Mineral Development and Lands Branch:

Type of Survey(s)	Mining Division	Township or Area
Geological	Larder Lake	Cairo and Alma

2.14122

Recorded Holder(s)	Prospector's Licence No.
Inco Limited	A 19231
Address	**Telephone No.**
Field Exploration Dept., Hwy 17 W., Copper Cliff, Ontario POM 1NO	705-682-8439
Survey Company	
Inco Exploration and Technical Services Inc.	
Name and Address of Author (of Geo-Technical Report)	**Date of Survey (from & to)** Day / Mo / Yr
J. E. Jackson c/o Inco Expl. & Tech. Services Inc., Copper Cliff, Ont.	09 10 90 — 06 11 90

Credits Requested per Each Claim in Columns at right

Special Provisions		Days per Claim
For first survey: Enter 40 days (This includes line cutting)	Geophysical	
	- Electromagnetic	
	- Magnetometer	
For each additional survey: using the same grid Enter 20 days (for each)	- Other	
	Geological	40
	Geochemical	

Man Days		Days per Claim
Complete reverse side and enter total(s) here	Geophysical	
	- Electromagnetic	
	- Magnetometer	
	- Other	
	Geological	
	Geochemical	

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys	Electromagnetic	
	Magnetometer	
	Other	

Total miles flown over claim(s)

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Mining Claim Prefix	Mining Claim Number	Mining Claim Prefix	Mining Claim Number
See separate list					

RECEIVED
MAR 25 1991
MINING LANDS SECTION

Total number of mining claims covered by this report of work: 87

Date: March 14, 1991

Recorded Holder or Agent (Signature): [signature]

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in this Report of Work, having performed the work or witnessed same during and/or after its completion and annexed report is true

Name and Address of Person Certifying

Ian McCaskill c/o Inco Exploration and Technical Services Inc.

	Telephone No.	Date	Certified By (Signature)
Hwy 17 W., Copper Cliff, Ont. POM 1NO	705-682-8439	March 14, 1991	[signature]

For Office Use Only

Received Stamp

RECEIVED
LARDER LAKE
MINING DIVISION
MAR 18 1991
TIME

Total Days Cr. Recorded	Date Recorded	Mining Recorder
3480	March 18/91	[signature]
	Date Approved as Recorded	Provincial Manager, Mining Lands
	"SEE REVISED WORK STATEMENT"	

1362 (89/06)

MINING CLAIMS TRAVERSED

L 1152284
L 1152285
L 1152286
L 1152287
L 1152288
L 1152289
L 1152290
L 1152291
L 1152292
L 1152293
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L 1152412
L 1152413
L 1152414
L 1152415
L 1152416

Total claims: 87

Ontario

Ministry of Northern Development and Mines

Technical Assessment Work Credits

File: 2.14122

Date: May 28, 1991

Mining Recorder's Report of Work No.: W.9108.00121

Recorded Holder: Inco Limited

Township or Area: Cairo and Alma Townships

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	L.1152284-85 1152287 to 294 incl. 1152296-97 1152299 to 303 incl. 1152306 to 313 incl. 1152316 to 318 incl. 1152341 1152344 to 355 incl. 1152375 to 378 incl. 1152380 to 386 incl. 1152391-92 1152396 to 398 incl. 1152404 to 406 incl. 1152409 to 413 incl.
Electromagnetic _____ days	
Magnetometer _____ days	
Radiometric _____ days	
Induced polarization _____ days	
Other _____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological 40 days	
Geochemical _____ days	
Man days ☐ Airborne ☐	
Special provision ☐X Ground ☒	
☒ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

Special credits under section 77 (16) for the following mining claims

30 days credit for geology: L.1152286, 1152314-15, 1152374, 1152379, 1152390, 1152414.

20 days credit for geology: L.1152401, 1152407-08, 1152416.

10 days for geology: L.1152295, 1152298, 1152340, 1152393, 1152395 1152415.

No credits have been allowed for the following mining claims

☒ not sufficiently covered by the survey ☐ insufficient technical data filed

L.1152342
1152389
1152394
1152399-400.

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 80.

Ontario

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Mining Lands Section
159 Cedar Street, 4th Floor
Sudbury, Ontario
P3E 6A5

Telephone: (705) 670-7264
Fax: (705) 670-7262

Your File: W.9108.00121
Our File: 2.14122

June 28, 1991

Mining Recorder
Ministry of Northern Development
and Mines
4 Government Road, East
Kirkland Lake, Ontario
P2N 1A2

Dear Sir/Madam:

RE: Notice of Intent dated May 28, 1991 for Geological Survey on mining claims L.1152284 et al. in the Townships of Cairo and Alma.

The assessment work credits, as listed with the above-mentioned Notice of Intent have been approved as of the above date.

Please inform the recorded holder of these mining claims and so indicate on your records.

Yours sincerely,

Ron C Gashinski

Ron. C. Gashinski,
Provincial Manager, Mining Lands
Mines & Minerals Division

LJS/jl
Enclosures:

cc: Inco Limited
Copper Cliff, Ontario

Assessment Files Office
Toronto, Ontario

Resident Geologist
Kirkland Lake, Ontario

TOWNSHIP SUBJECT TO FORESTRY OPERATIONS

Sheba Twp.

Baden Twp.

Holmes Twp.

Cairo Twp.

5M 4M 3M 2M 1M

Squaw L.

Beaver L.

Bird L.

Jackson L.

Canoe L.

Blackburn L.

Tent L.

MATACHEWAN INDIAN RESERVE

Turtle L.

Separation L.

Chief

Little Chief

Bastian

I.R. 72

Baptiste L.

Steve L.

Weldy L.

McNaughton L.

McDonnel

Browning

Con. 6 Con. 5 Con. 4 Con. 3 Con. 2 Con. 1

2.14122

DATE OF ISSUE

JAN 29 1991

LARDER LAKE MINING RECORDER'S OFFICE

THE TOWNSHIP OF ALMA

DISTRICT OF TIMISKAMING

LARDER LAKE MINING DIVISION

SCALE: 1-INCH=40 CHAINS

LEGEND

PATENTED LAND	Ⓟ
CROWN LAND SALE	C.S.
LEASES	Ⓛ
LOCATED LAND	Loc.
LICENSE OF OCCUPATION	L.O.
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	S.R.O.
ROADS	
IMPROVED ROADS	
KING'S HIGHWAYS	
RAILWAYS	
POWER LINES	
MARSH OR MUSKEG	
MINES	
CANCELLED	C.

NOTES

Matachewan Indian Reserve shown thus:-

400' Surface rights reservation around all lakes and rivers.

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON

NOTICE OF FORESTRY ACTIVITY

THIS TOWNSHIP / AREA FALLS WITHIN THE _____ ELK LAKE MANAGEMENT UNIT

AND MAY BE SUBJECT TO FORESTRY OPERATIONS. THE MNR UNIT FORESTER FOR THIS AREA CAN BE CONTACTED AT;

P.O. BOX 129
SWASTIKA, ONTARIO
P0K 1T0
705-642-3222

PLAN NO. M-202

ONTARIO #3

MINISTRY OF NATURAL RESOURCES

SURVEYS AND MAPPING BRANCH

42A02SE0102 2.14122 ALMA

200

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. – MINING RIGHTS ONLY

S.R.O. – SURFACE RIGHTS ONLY

M.+ R. – MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File

(RI) MINING AND SURFACE RIGHTS NOT OPEN TO STAKING, APPLICATION UNDER SECTION 3(b) JUNE 12,1987.

CL 4908 – PENDING APLICATION UNDER PUBLIC LANDS ACT

LUP – LAND USE PERMIT

TOWNSHIP SUBJECT TO FORESTRY OPERATIONS

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

NOTES

AREA WEST OF WEST MONTREAL RIVER CLOSED TO STAKING SUBJECT TO SEC. 38(f) OF THE MINING ACT, 20 SEPT. 1976.

"THIS MAP SHOWS THE APPROXIMATE LOCATION OF THE BOUNDARIES OF THE AREA WHICH IS THE SUBJECT OF CURRENT LITIGATION. THE EXACT LOCATION WILL BE SHOWN FOLLOWING CONFIRMATION BY THE PARTIES TO THE ACTION."

NOTICE OF FORESTRY ACTIVITY

THIS TOWNSHIP / AREA FALLS WITHIN THE

42A02SE0102 2.14122 ALMA

210

705-642-3222

Alma Twp.

2.14122

Powell Twp.

Deroche Twp.

Kimberley Twp.

SEE NOTES

DATE OF ISSUE

APR 8 1991

LARDER LAKE MINING RECORDER'S OFFICE

LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
  - TOWNSHIPS, BASE LINES, ETC.
  - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS, ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	
" , SURFACE RIGHTS ONLY	
" , MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
" , SURFACE RIGHTS ONLY	
" , MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	LO
ORDER-IN-COUNCIL	OC
RESERVATION	
CANCELLED	
SAND & GRAVEL	

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 8 1913, VESTED IN ORIGINAL PATENTEE F THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC. 1

SCALE 1 INCH = 40 CHAINS

FEET 0 500 1000 1500 2000 2500

METRES 0 200 400 600 800 1000 (1 KM) 2000 (2 KM)

TOWNSHIP

CAIRO

M.N.R. ADMINISTRATIVE DISTRICT

KIRKLAND LAKE

MINING DIVISION

LARDER LAKE

LAND TITLES / REGISTRY DIVISION

TIMISKAMING

Ontario Ministry of Natural Resources

Ministry of Northern Development and Mines

Date JULY 1936

Number G-3209

CAIGEOD4.DWG

11500 N

11000 N

10500 N

Land Caution
Closed to Staking

L1152389

Lower

Matachewan

L1152390

L1152394

L1152393

Lake

L1152391

L1152392

DRILL ROAD

COLLAPSED SHACK
FORT MATACHEWANY

CAMP

4-1152390

1-1152380
4-1152381

1-1152393

LINEATION

BIRCH
QUAKING ASPEN
HEMLOCK
BLACK SPRUCE
CEDAR
SHEARED ARKOSE
BOULDERS

QUAKING
ASPEN
BLACK
SPRUCE
BIRCH
SAND

QUAKING ASPEN
BIRCH
BLACK SPRUCE
HEMLOCK
SAND

BIRCH
POPLAR
PINE

POSSIBLE DRILL SITE

BURNT TREES

DEAD FALL
MUSKEG

FLAT

SPRUCE
PINE
BIRCH

POPLAR
BIRCH
PINE

FLAT
BURNT
TREES

PINE DEAD FALL BURNT TREES

MUSKEG
PINE

POPLAR

PINE
SPRUCE
BIRCH
POPLAR

RX210821(7)

RX210737(15)

RX210738(25)
OVERGROWN
TRENCHES

2b
2a
1a

LEGEND

MAFIC INTRUSIVES

4 941 — 4 — Diabase; Medium grained, dark grey, weakly to moderately magnetic, massive.

FELSIC/INTERMEDIATE INTRUSIVES

3a 928 — 3a — Syenite; Coarse grained to very coarse grained porphyritic(feldspar), pink to red, weakly to non magnetic, massive to locally moderately foliated, up to 10% hornblende(fine grained).

3b 930 — 3b — Feldspar Porphyry; Fine to medium grained, pink, porphyrytic(feldspar).

TIMISKAMING SEDIMENTARY ROCKS

2a 915 — 2a — Siltstone; Grey to black, fine grained, weakly calcareous.

2b 913 — 2b — Sandstone; Creamy white, mature feldspathic sandstone.

VOLCANIC ROCKS

1a 907 — 1a — Basalt; Fine grained, dark green-grey, massive to pillowed, chloritic, local flow breccia, 1% pyrite.

1b 910 — 1b — Andesite; Fine grained, dark grey, massive to locally porphyrytic.

SYMBOLS

- Outcrops
- Boulder
- Swamp
- Creek
- Beaver Dam
- Slope Direction (low,moderate,steep)
- Claim Post
- Trench, Pit
- Contact (observed,inferred)
- Foliation (vertical,inclined)
- Strike and Dip (vertical,inclined)
- Jointing (vertical,inclined)
- Lineation with plunge
- Fault
- x RX210585 (14c) — Sample Location and Number (Au Assay in ppb, unless noted otherwise) All Cu, Ni, Zn Assays ≥2000ppm Included

4 5 6 7 8 9

D

E

Sheet Index

2.14122 :

0 50 100 150 200 250

METRES

INCO EXPLORATION AND TECHNICAL SERVICES INC.

Copper Cliff, Ontario
P0M 1N0

Project: CAIRO	Area: Kirkland Lake, Ontario		
GEOLOGICAL SURVEY		SHEET D4	FIGURE 4
Supervisor: J. Perry	Instrument:	Survey date:	
Compiled by: J. Jackson	Drawn by: L.J. Valade	Date drawn: 06/02/91	Revised:
Scale: 1:2500	File: CAIGEOD4.DWG	N.T.S. 42 A 2, 41 P 15	

42A02SE0182 2.14122 ALMA

220

CAIGEOD5.DWG

LEGEND

MAFIC INTRUSIVES

4 941 — 4 — Diabase; Medium grained, dark grey, weakly to moderately magnetic, massive.

FELSIC/INTERMEDIATE INTRUSIVES

3a 928 — 3a — Syenite; Coarse grained to very coarse grained porphyritic(feldspar), pink to red, weakly to non magnetic, massive to locally moderately foliated, up to 10% hornblende(fine grained).

3b 830 — 3b — Feldspar Porphyry; Fine to medium grained, pink, porphyritic(feldspar).

TIMISKAMING SEDIMENTARY ROCKS

2a 915 — 2a — Siltstone; Grey to black, fine grained, weakly calcareous.

2b 913 — 2b — Sandstone; Creamy white, mature feldspathic sandstone.

VOLCANIC ROCKS

1a 907 — 1a — Basalt; Fine grained, dark green-grey, massive to pillowed, chloritic, local flow breccia, 1% pyrite.

1b 910 — 1b — Andesite; Fine grained, dark grey, massive to locally porphyritic.

SYMBOLS

- Outcrops
- Boulder
- Swamp
- Creek
- Beaver Dam
- Slope Direction (low,moderate,steep)
- Claim Post
- Trench, Pit
- Contact (observed,inferred)
- Foliation (vertical,inclined)
- Strike and Dip (vertical,inclined)
- Jointing (vertical,inclined)
- Lineation with plunge
- Fault
- x RX210585 (140) — Sample Location and Number (Au Assay in ppb, unless noted otherwise) All Cu, Ni, Zn Assays ≥200ppm included

4 5 6 7 8 9
D
E

Sheet Index

2.14122

0 50 100 150 200 250
METRES

INCO EXPLORATION AND TECHNICAL SERVICES INC.
Copper Cliff, Ontario
P0M 1N0

Project: CAIRO
Area: Kirkland Lake, Ontario

GEOLOGICAL SURVEY
SHEET D5 | FIGURE 4

Supervisor: J. Perry	Instrument:	Survey date:
Compiled by: J. Jackson	Drawn by: L.J. Valade	Date drawn: 06/02/91 — Revised:
Scale: 1:2500	File: CAIGEOD5.DWG	N.T.S. 42 A 2, 41 P 15

42A02SE0140 2.14122 ALMA

1
230

CAIGEOD6.DWG

LEGEND

MAFIC INTRUSIVES

4 — 941 — 4 — Diabase; Medium grained, dark grey, weakly to moderately magnetic, massive.

FELSIC/INTERMEDIATE INTRUSIVES

3a — 928 — 3a — Syenite; Coarse grained to very coarse grained porphyritic(feldspar), pink to red, weakly to non magnetic, massive to locally moderately foliated, up to 10% hornblende(fine grained).

3b — 930 — 3b — Feldspar Porphyry; Fine to medium grained, pink, porphyrytic(feldspar).

TIMISKAMING SEDIMENTARY ROCKS

2a — 915 — 2a — Siltstone; Grey to black, fine grained, weakly calcareous.

2b — 913 — 2b — Sandstone; Creamy white, mature feldspathic sandstone.

VOLCANIC ROCKS

1a — 907 — 1a — Basalt; Fine grained, dark green-grey, massive to pillowed, chloritic, local flow breccia, 1% pyrite.

1b — 910 — 1b — Andesite; Fine grained, dark grey, massive to locally porphyrytic.

SYMBOLS

- X — Outcrops
- Boulder
- Swamp
- Creek
- xxxx — Beaver Dam
- Slope Direction (low,moderate,steep)
- Claim Post
- Trench, Pit
- Contact (observed,inferred)
- Foliation (vertical,inclined)
- Strike and Dip (vertical,inclined)
- Jointing (vertical,inclined)
- Lineation with plunge
- Fault
- x RX210566 (140) — Sample Location and Number (Au Assay in ppb, unless noted otherwise) All Cu, Ni, Zn Assays ≥200ppm Included

	4	5	6	7	8	9
D						
E						

Sheet Index

2.14122

0 50 100 150 200 250
METRES

INCO EXPLORATION AND TECHNICAL SERVICES INC.
Copper Cliff, Ontario P0M 1N0

Project: CAIRO — Area: Kirkland Lake, Ontario

GEOLOGICAL SURVEY

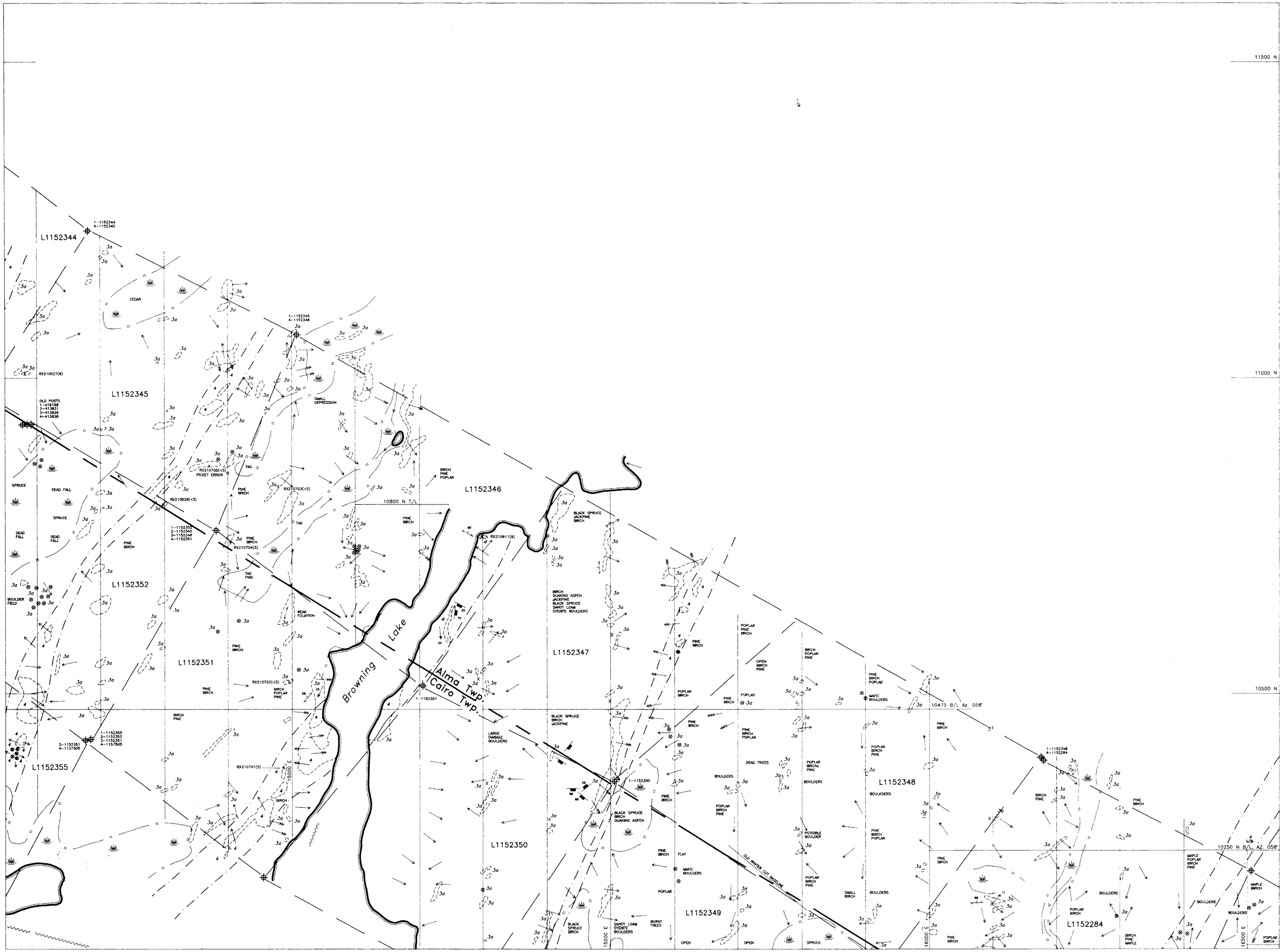
SHEET D6 — FIGURE 4

Supervisor: J. Perry	Instrument:	Survey date:
Compiled by: J. Jackson	Drawn by: L.J. Valade	Date drawn: 06/02/91 — Revised:
Scale: 1:2500	File: CAIGEOD6.DWG	N.T.S. 42 A 2, 41 P 15

42A02SW0162 2.14122 ALMA

240

CAIGEOD7.DWG



LEGEND

MAFIC INTRUSIVES

4 — 941 — 4 — Diabase; Medium grained, dark grey, weakly to moderately magnetic, massive.

FELSIC/INTERMEDIATE INTRUSIVES

3a — 928 — 3a — Syenite; Coarse grained to very coarse grained porphyritic(feldspar), pink to red, weakly to non magnetic, massive to locally moderately foliated, up to 10% hornblende(fine grained).

3b — 930 — 3b — Feldspar Porphyry; Fine to medium grained, pink, porphyrytic(feldspar).

TIMISKAMING SEDIMENTARY ROCKS

2a — 915 — 2a — Siltstone; Grey to black, fine grained, weakly calcareous.

2b — 915 — 2b — Sandstone; Creamy white, mature feldspathic sandstone.

VOLCANIC ROCKS

1a — 907 — 1a — Basalt; Fine grained, dark green-grey, massive to pillowed, chloritic, local flow breccia, 1% pyrite.

1b — 915 — 1b — Andesite; Fine grained, dark grey, massive to locally porphyrytic.

SYMBOLS

- X — Outcrops
- Boulder
- Swamp
- Creek
- xbxx — Beaver Dam
- Slope Direction (low,moderate,steep)
- Claim Post
- Trench, Pit
- Contact (observed,inferred)
- Foliation (vertical,inclined)
- Strike and Dip (vertical,inclined)
- Jointing (vertical,inclined)
- Lineation with plunge
- Fault
- X RX210585 (140) — Sample Location and Number (Au Assay in ppb, unless noted otherwise) Ni, Cu, Ni, Zn Assays ≥200ppm Included

4 5 6 7 8 9

D

E

Sheet Index

2.14122

0 50 100 150 200 250

METRES

INCO EXPLORATION AND TECHNICAL SERVICES INC.

Copper Cliff, Ontario P0M 1N0

Project: CAIRO	Area: Kirkland Lake, Ontario		
GEOLOGICAL SURVEY		SHEET D7	FIGURE 4
Supervisor: J. Perry	Instrument:	Survey date:	
Compiled by: J. Jackson	Drawn by: L.J. Valade	Date drawn: 06/02/91	Revised:
Scale: 1:2500	File: CAIGEOD7.DWG	N.T.S. 42 A 2, 41 P 15	

CAIGEOD8.DWG

11500 N

11000 N

10500 N

10250 N B/L, AZ 058°

L1152288

L1152289

L1152293

L1152294

L1152295

L1152296

L1152297

L1152299

L1152301

17500 E

18000 E

18500 E

LEGEND

MAFIC INTRUSIVES

4 — 943 — 4 — Diabase; Medium grained, dark grey, weakly to moderately magnetic, massive.

FELSIC/INTERMEDIATE INTRUSIVES

3a — 928 — 3a — Syenite; Coarse grained to very coarse grained porphyritic(feldspar), pink to red, weakly to non magnetic, massive to locally moderately foliated, up to 10% hornblende(fine grained).

3b — 930 — 3b — Feldspar Porphyry; Fine to medium grained, pink, porphyritic(feldspar).

TIMISKAMING SEDIMENTARY ROCKS

2a — 915 — 2a — Siltstone; Grey to black, fine grained, weakly calcareous.

2b — 915 — 2b — Sandstone; Creamy white, mature feldspathic sandstone.

VOLCANIC ROCKS

1a — 907 — 1a — Basalt; Fine grained, dark green-grey, massive to pillowed, chloritic, local flow breccia, 1% pyrite.

1b — 910 — 1b — Andesite; Fine grained, dark grey, massive to locally porphyritic.

SYMBOLS

- X — Outcrops
- Boulder
- Swamp
- Creek
- Beaver Dam
- Slope Direction (low,moderate,steep)
- Claim Post
- Trench, Pit
- Contact (observed,inferred)
- Foliation (vertical,inclined)
- Strike and Dip (vertical,inclined)
- Jointing (vertical,inclined)
- Lineation with plunge
- Fault
- X RX210565 (140) — Sample Location and Number (Au Assay in ppb, unless noted otherwise) All Cu, Ni, Zn Assays ≥200ppm Included

4 5 6 7 8 9

D

E

Sheet Index

2.14122

0 50 100 150 200 250

METRES

INCO EXPLORATION AND TECHNICAL SERVICES INC.

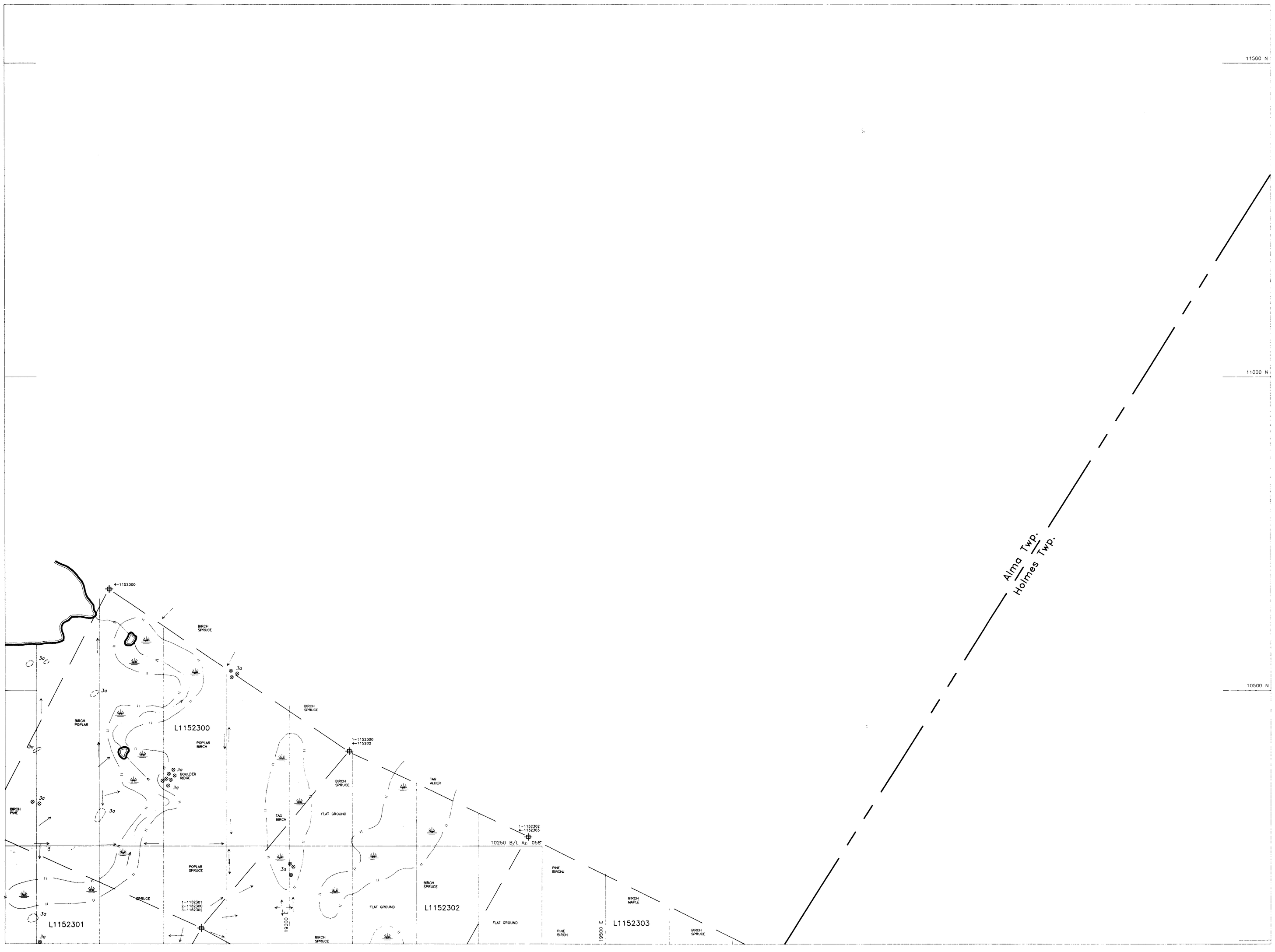
Copper Cliff, Ontario P0M 1N0

Project: CAIRO	Area: Kirkland Lake, Ontario		
GEOLOGICAL SURVEY		SHEET D8	FIGURE 4
Supervisor: J. Perry	Instrument:	Survey date:	
Compiled by: J. Jackson	Drawn by: L.J. Valade	Date drawn: 06/02/91	Revised:
Scale: 1:2500	File: CAIGEOD8.DWG	N.T.S. 42 A 2, 41 P 15	

42A02SE0102 2.14122 ALAN

260

CAIGEOD9.DWG



LEGEND

MAFIC INTRUSIVES

4 — 941 — 4 — Diabase; Medium grained, dark grey, weakly to moderately magnetic, massive.

FELSIC/INTERMEDIATE INTRUSIVES

3a — 928 — 3a — Syenite; Coarse grained to very coarse grained porphyritic(feldspar), pink to red, weakly to non magnetic, massive to locally moderately foliated, up to 10% hornblende(fine grained).

3b — 930 — 3b — Feldspar Porphyry; Fine to medium grained, pink, porphyrytic(feldspar).

TIMISKAMING SEDIMENTARY ROCKS

2a — 915 — 2a — Siltstone; Grey to black, fine grained, weakly calcareous.

2b — 918 — 2b — Sandstone; Creamy white, mature feldspathic sandstone.

VOLCANIC ROCKS

1a — 907 — 1a — Basalt; Fine grained, dark green-grey, massive to pillowed, chloritic, local flow breccia, 1% pyrite.

1b — 910 — 1b — Andesite; Fine grained, dark grey, massive to locally porphyrytic.

SYMBOLS

- X — Outcrops
- Boulder
- Swamp
- Creek
- Beaver Dam
- Slope Direction (low,moderate,steep)
- Claim Post
- Trench, Pit
- Contact (observed,inferred)
- Foliation (vertical,inclined)
- Strike and Dip (vertical,inclined)
- Jointing (vertical,inclined)
- Lineation with plunge
- Fault
- X RX210585 (140) — Sample Location and Number (Au Assay in ppb, unless noted otherwise) All Cu, Ni, Zn Assays ≥200ppm included

4 5 6 7 8 9

D

E

Sheet Index

2.14122

0 50 100 150 200 250

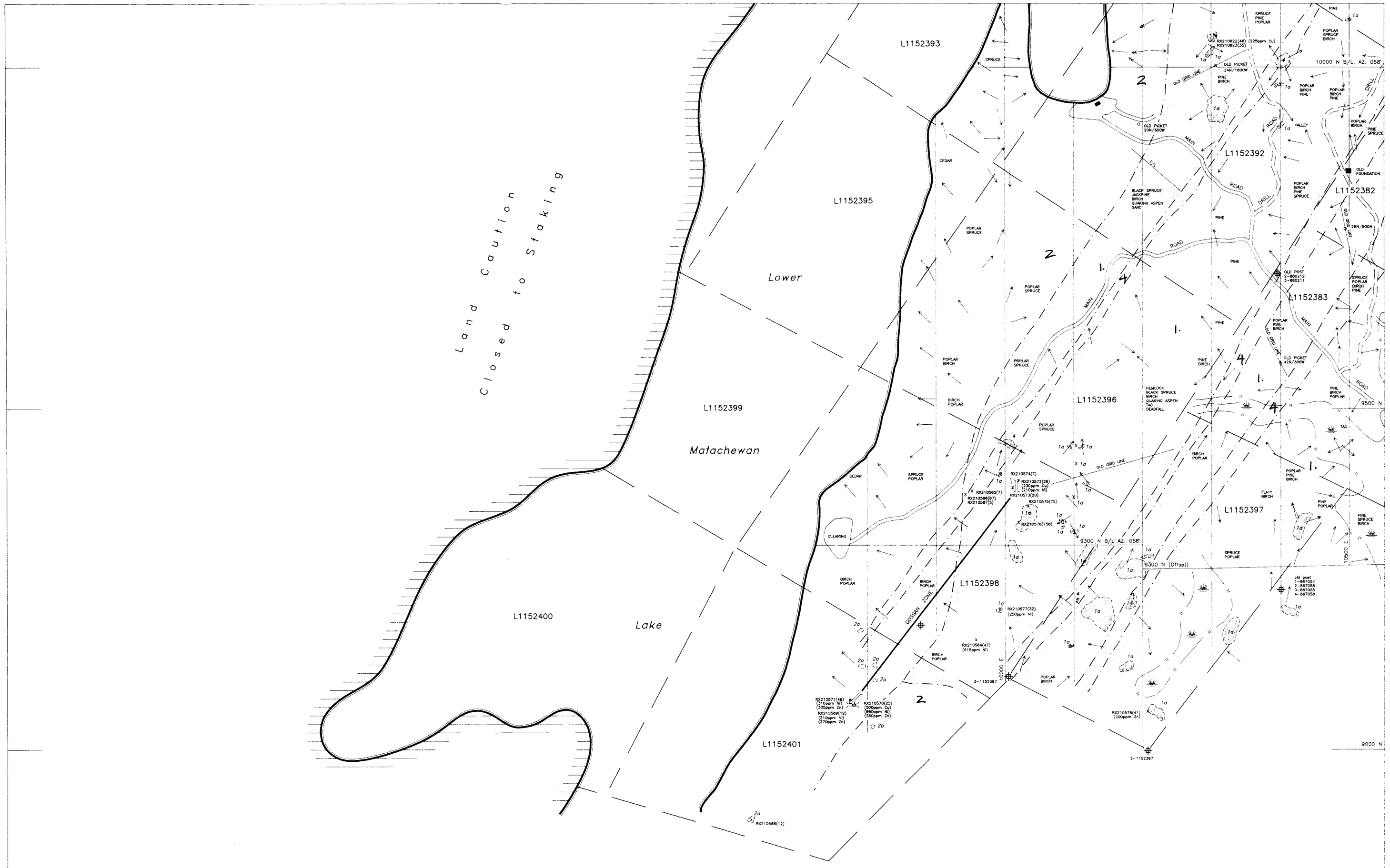
METRES

INCO EXPLORATION AND TECHNICAL SERVICES INC.

Copper Cliff, Ontario P0M 1N0

Project: CAIRO	Area: Kirkland Lake, Ontario		
GEOLOGICAL SURVEY		SHEET D9	FIGURE 4
Supervisor: J. Perry	Instrument:	Survey date:	
Compiled by: J. Jackson	Drawn by: L.J. Valade	Date drawn: 06/02/91	Revised:
Scale: 1:2500	File: CAIGEOD9.DWG	N.T.S. 42 A 2, 41 P 15	

CAIGEOE4.DWG



LEGEND

MAFIC INTRUSIVES

4 841 — 4 — Diabase; Medium grained, dark grey, weakly to moderately magnetic, massive.

FELSIC/INTERMEDIATE INTRUSIVES

3a 828 — 3a — Syenite; Coarse grained to very coarse grained porphyritic(feldspar), pink to red, weakly to non magnetic, massive to locally moderately foliated, up to 10% hornblende(fine grained).

3b 830 — 3b — Feldspar Porphyry; Fine to medium grained, pink, porphyrytic(feldspar).

TIMISKAMING SEDIMENTARY ROCKS

2a 813 — 2a — Siltstone; Grey to black, fine grained, weakly calcareous.

2b 813 — 2b — Sandstone; Creamy white, mature feldspathic sandstone.

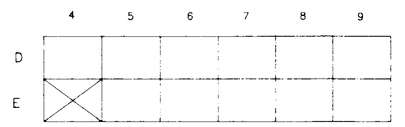
VOLCANIC ROCKS

1a 807 — 1a — Basalt; Fine grained, dark green-grey, massive to pillowed, chloritic, local flow breccia, 1% pyrite.

1b 810 — 1b — Andesite; Fine grained, dark grey, massive to locally porphyrytic.

SYMBOLS

- Outcrops
- Boulder
- Swamp
- Creek
- xRxx Beaver Dam
- Slope Direction (low,moderate,steep)
- Claim Post
- Trench, Pit
- Contact (observed,inferred)
- Foliation (vertical,inclined)
- Strike and Dip (vertical,inclined)
- Jointing (vertical,inclined)
- Lineation with plunge
- Fault
- x RX210585 (140) Sample Location and Number (Au Assay in ppb, unless noted otherwise) All Cu, Ni, Zn Assays ≥200ppm Included



Sheet Index

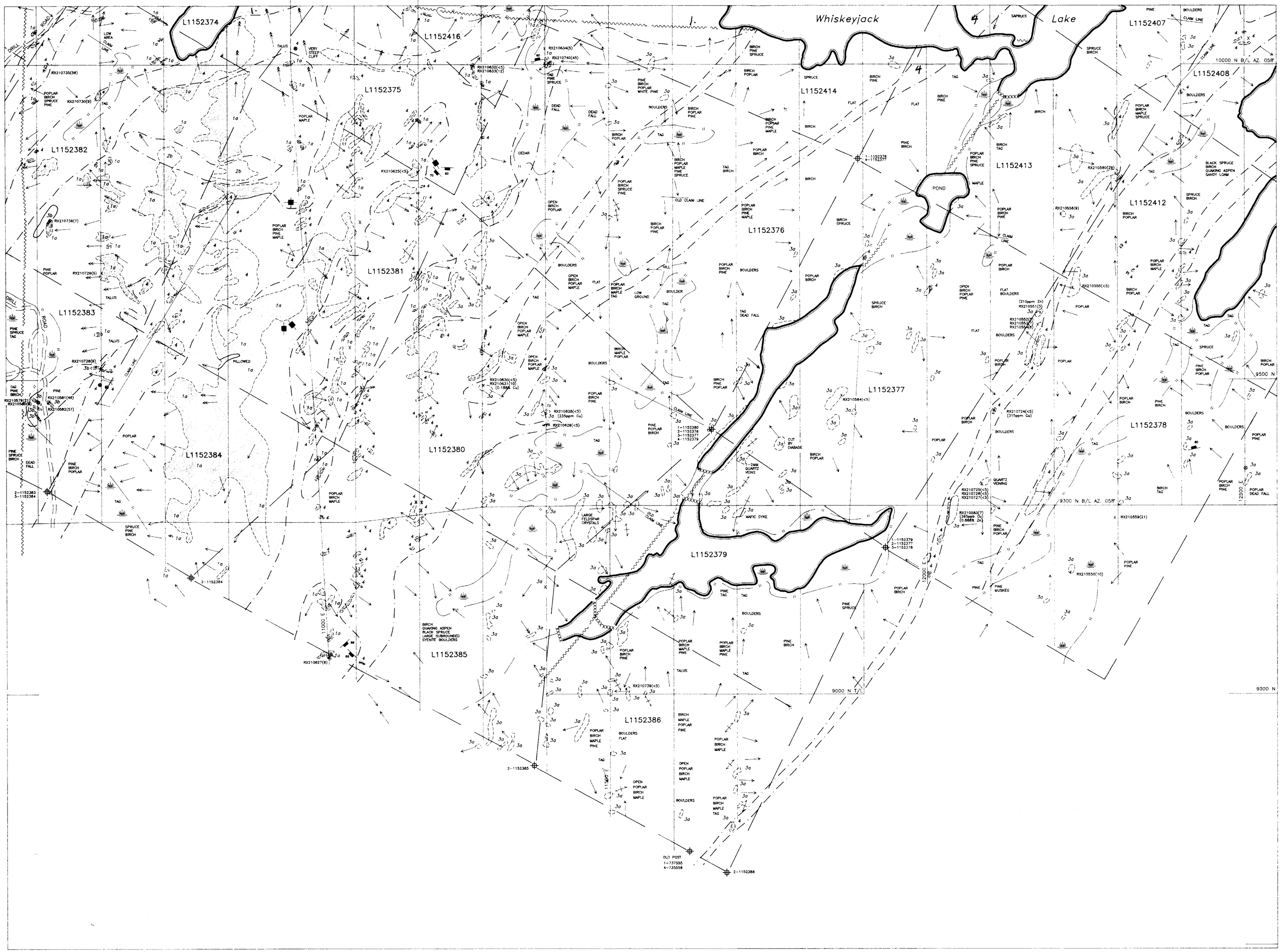
2.14122

0 50 100 150 200 250
METRES

INCO EXPLORATION AND TECHNICAL SERVICES INC.
Copper Cliff, Ontario
P0M 1N0

Project: CAIRO	Area: Kirkland Lake, Ontario		
GEOLOGICAL SURVEY		SHEET E4	FIGURE 4
Supervisor: J. Perry	Instrument:	Survey date:	
Compiled by: J. Jackson	Drawn by: L.J. Valade	Date drawn: 06/02/91	Revised:
Scale: 1:2500	File: CAIGEOE4.DWG	N.T.S. 42 A 2, 41 P 15	

CAIGEO2E5.DWG



LEGEND

MAFIC INTRUSIVES

4 — 4 — Diabase; Medium grained, dark grey, weakly to moderately magnetic, massive.

FELSIC/INTERMEDIATE INTRUSIVES

3a — 3a — Syenite; Coarse grained to very coarse grained porphyritic(feldspar), pink to red, weakly to non magnetic, massive to locally moderately foliated, up to 10% hornblende(fine grained).

3b — 3b — Feldspar Porphyry; Fine to medium grained, pink, porphyritic(feldspar).

TIMISKAMING SEDIMENTARY ROCKS

2a — 2a — Siltstone; Grey to black, fine grained, weakly calcareous.

2b — 2b — Sandstone; Creamy white, mature feldspathic sandstone.

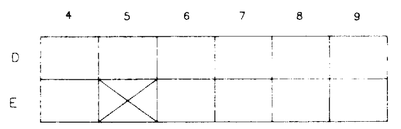
VOLCANIC ROCKS

1a — 1a — Basalt; Fine grained, dark green-grey, massive to pillowed, chloritic, local flow breccia, 1% pyrite.

1b — 1b — Andesite; Fine grained, dark grey, massive to locally porphyritic.

SYMBOLS

- Outcrops
- Boulder
- Swamp
- Creek
- Beaver Dam
- Slope Direction (low,moderate,steep)
- Claim Post
- Trench, Pit
- Contact (observed,inferred)
- Foliation (vertical,inclined)
- Strike and Dip (vertical,inclined)
- Jointing (vertical,inclined)
- Lineation with plunge
- Fault
- x RX210585 (140) — Sample Location and Number (Au Assay in ppb, unless noted otherwise) All Cu, Ni, Zn Assays ≥200ppm included



Sheet Index

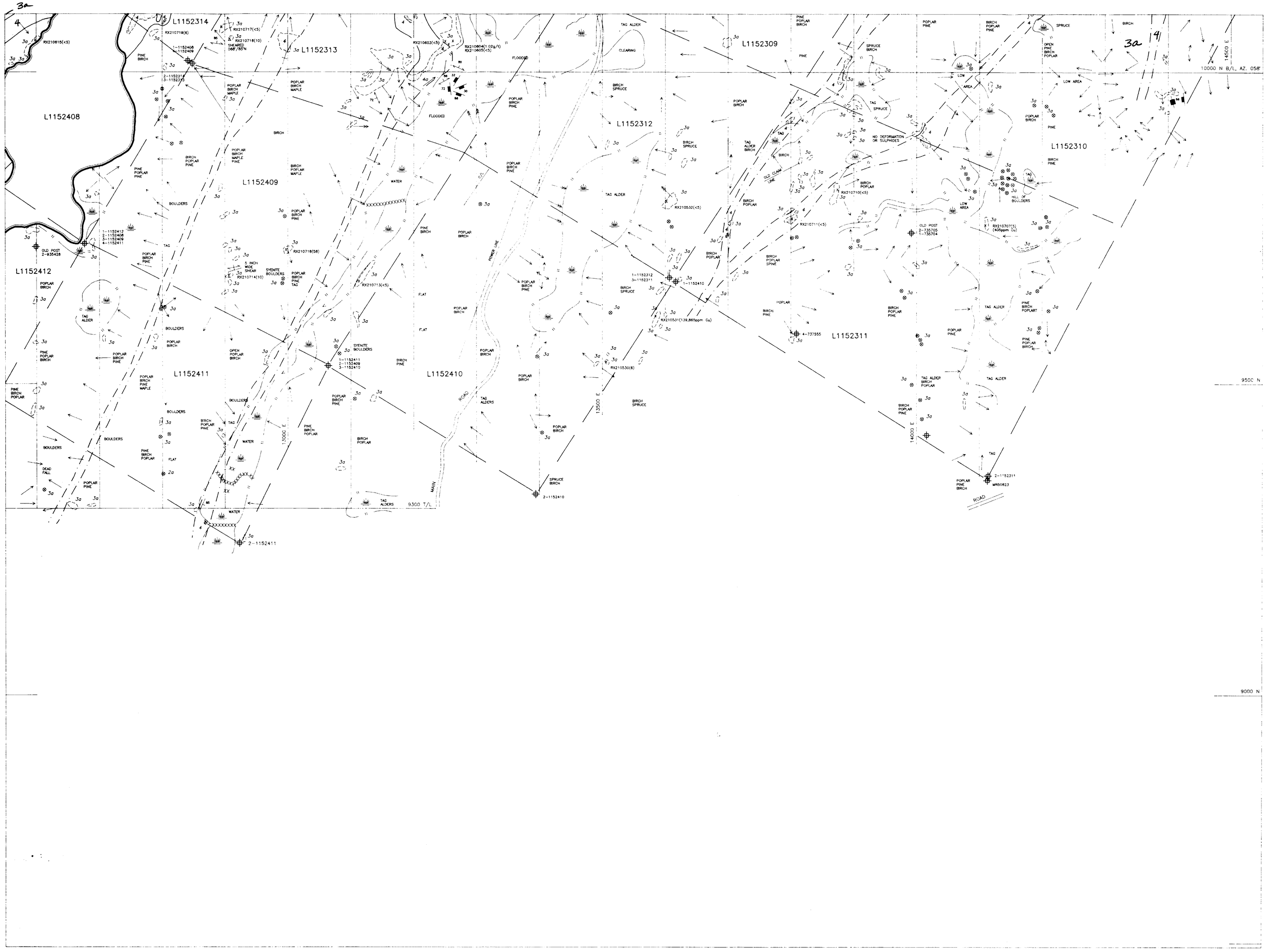
2.14122

0 50 100 150 200 250
METRES

INCO EXPLORATION AND TECHNICAL SERVICES INC.
Copper Cliff, Ontario
P0M 1N0

Project: CAIRO	Area: Kirkland Lake, Ontario		
GEOLOGICAL SURVEY		SHEET E5	FIGURE 4
Supervisor: J. Perry	Instrument:	Survey date:	
Compiled by: J. Jackson	Drawn by: L.J. Valade	Date drawn: 06/02/91	Revised:
Scale: 1:2500	File: CAIGEOE5.DWG	N.T.S. 42 A 2, 41 P 15	

CAIGEOE6.DWG



LEGEND

MAFIC INTRUSIVES

4 — 841 — 4 — Diabase; Medium grained, dark grey, weakly to moderately magnetic, massive.

FELSIC/INTERMEDIATE INTRUSIVES

3a — 828 — 3a — Syenite; Coarse grained to very coarse grained porphyritic(feldspar), pink to red, weakly to non magnetic, massive to locally moderately foliated, up to 10% hornblende(fine grained).

3b — 830 — 3b — Feldspar Porphyry; Fine to medium grained, pink, porphyrytic(feldspar).

TIMISKAMING SEDIMENTARY ROCKS

2a — 813 — 2a — Siltstone; Grey to black, fine grained, weakly calcareous.

2b — 813 — 2b — Sandstone; Creamy white, mature feldspathic sandstone.

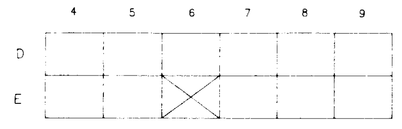
VOLCANIC ROCKS

1a — 807 — 1a — Basalt; Fine grained, dark green-grey, massive to pillowed, chloritic, local flow breccia, 1% pyrite.

1b — 810 — 1b — Andesite; Fine grained, dark grey, massive to locally porphyrytic.

SYMBOLS

- Outcrops
- Boulder
- Swamp
- Creek
- Beaver Dam
- Slope Direction (low,moderate,steep)
- Claim Post
- Trench, Pit
- Contact (observed,inferred)
- Foliation (vertical,inclined)
- Strike and Dip (vertical,inclined)
- Jointing (vertical,inclined)
- Lineation with plunge
- Fault
- Sample Location and Number (Au Assay in ppb, unless noted otherwise) All Cu, Ni, Zn Assays ≥200ppm included



Sheet Index

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METRES

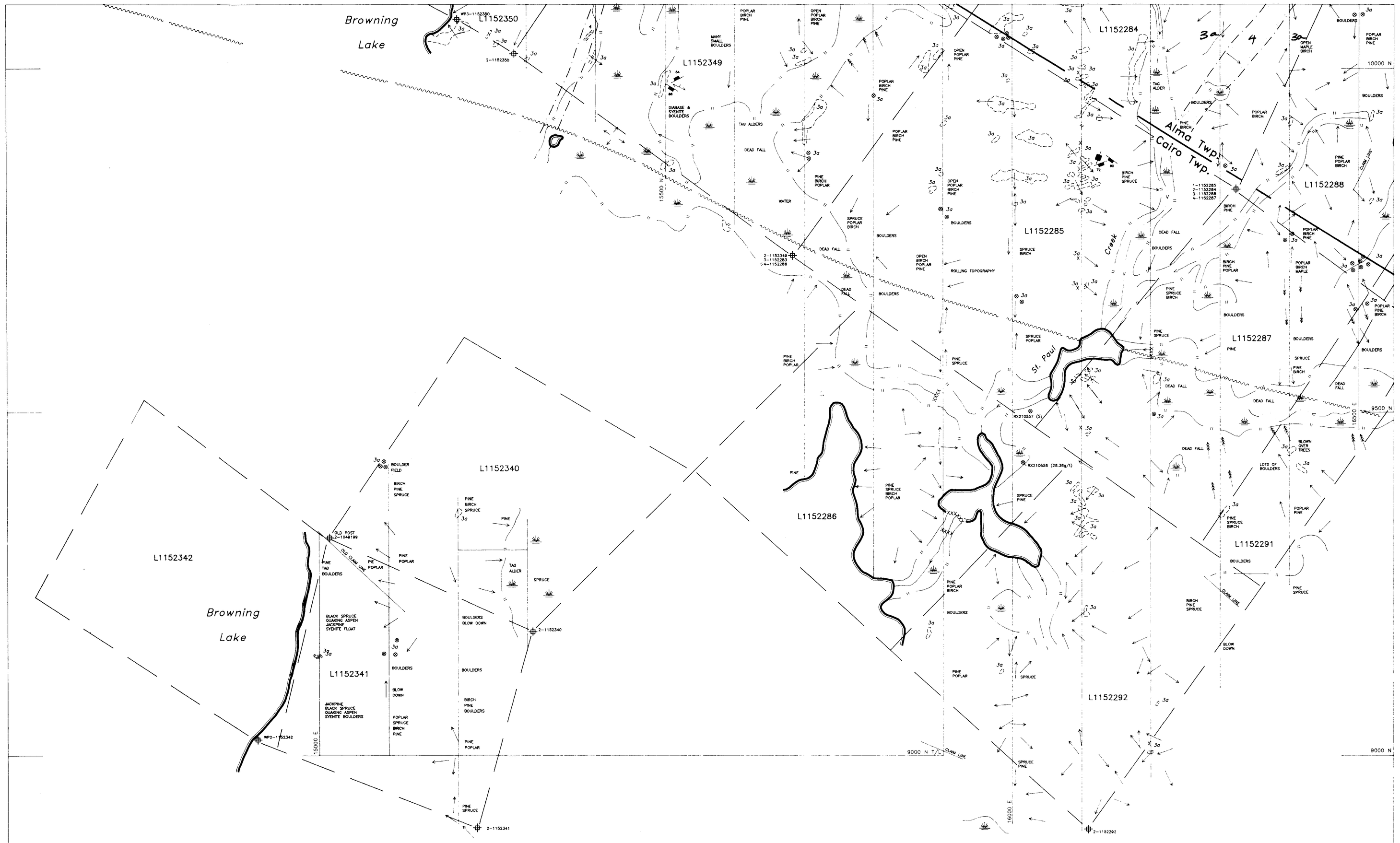
INCO EXPLORATION AND TECHNICAL SERVICES INC.

Copper Cliff, Ontario
P0M 1N0

Project: CAIRO	Area: Kirkland Lake, Ontario		
GEOLOGICAL SURVEY		SHEET E6	FIGURE 4
Supervisor: J. Perry	Instrument:	Survey date:	
Compiled by: J. Jackson	Drawn by: L.J. Valade	Date drawn: 06/02/91	Revised:
Scale: 1:2500	File: CAIGEOE6.DWG	N.T.S. 42 A 2, 41 P 15	

300

CAIGEOE7



LEGEND

MAFIC INTRUSIVES

4 — 941 — 4 — Diabase; Medium grained, dark grey, weakly to moderately magnetic, massive.

FELSIC/INTERMEDIATE INTRUSIVES

3a — 928 — 3a — Syenite; Coarse grained to very coarse grained porphyritic(feldspar), pink to red, weakly to non magnetic, massive to locally moderately foliated, up to 10% hornblende(fine grained).

3b — 930 — 3b — Feldspar Porphyry; Fine to medium grained, pink, porphyritic(feldspar).

TIMISKAMING SEDIMENTARY ROCKS

2a — 915 — 2a — Siltstone; Grey to black, fine grained, weakly calcareous.

2b — 915 — 2b — Sandstone; Creamy white, mature feldspathic sandstone.

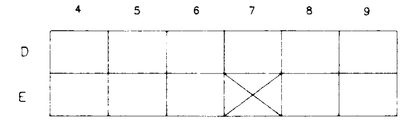
VOLCANIC ROCKS

1a — 907 — 1a — Basalt; Fine grained, dark green-grey, massive to pillowed, chloritic, local flow breccia, 1% pyrite.

1b — 910 — 1b — Andesite; Fine grained, dark grey, massive to locally porphyritic.

SYMBOLS

- Outcrops
- Boulder
- Swamp
- Creek
- Beaver Dam
- Slope Direction (low,moderate,steep)
- Claim Post
- Trench, Pit
- Contact (observed,interred)
- Foliation (vertical,inclined)
- Strike and Dip (vertical,inclined)
- Jointing (vertical,inclined)
- Lineation with plunge
- Fault
- X RX210585 (140) — Sample Location and Number (Au Assay in ppb, unless noted otherwise) All Cu, Ni, Zn Aassays ≥200ppm Included



Sheet Index

2.14122

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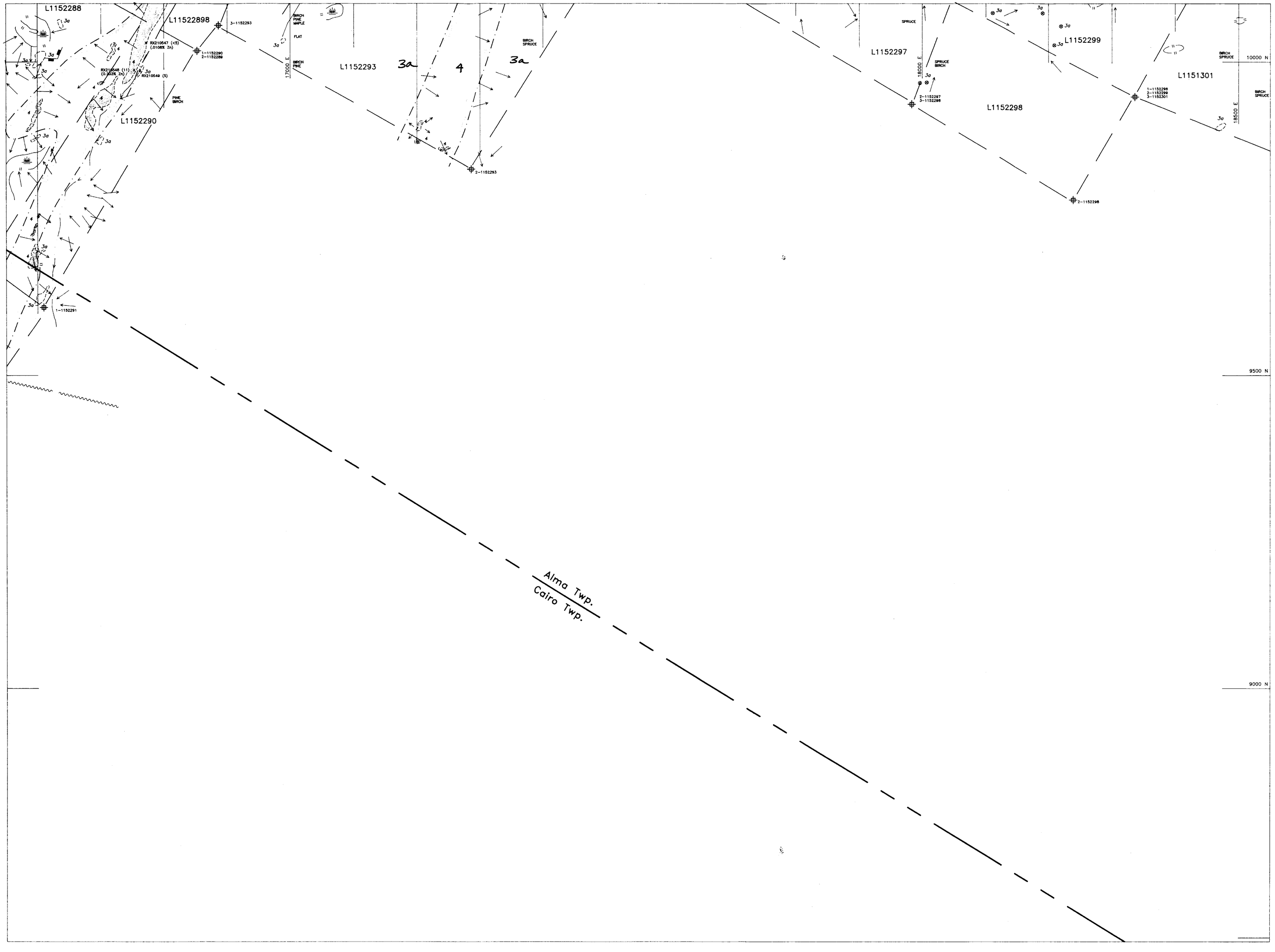
METRES

INCO EXPLORATION AND TECHNICAL SERVICES INC.
Copper Cliff, Ontario
P0M 1N0

Project: CAIRO	Area: Kirkland Lake, Ontario		
GEOLOGICAL SURVEY		SHEET E7	FIGURE 4
Supervisor: J. Perry	Instrument:	Survey date:	
Compiled by: J. Jackson	Drawn by: L.J. Valade	Date drawn: 06/02/91	Revised:
Scale: 1:2500	File: CAIGEOE7	N.T.S. 42 A 2, 41 P 15	

310

CAIGEOE8.DWG



LEGEND

MAFIC INTRUSIVES

4 — 841 — 4 — Diabase; Medium grained, dark grey, weakly to moderately magnetic, massive.

FELSIC/INTERMEDIATE INTRUSIVES

3a — 926 — 3a — Syenite; Coarse grained to very coarse grained porphyritic(feldspar), pink to red, weakly to non magnetic, massive to locally moderately foliated, up to 10% hornblende(fine grained).

3b — 930 — 3b — Feldspar Porphyry; Fine to medium grained, pink, porphyrytic(feldspar).

TIMISKAMING SEDIMENTARY ROCKS

2a — 913 — 2a — Siltstone; Grey to black, fine grained, weakly calcareous.

2b — 915 — 2b — Sandstone; Creamy white, mature feldspathic sandstone.

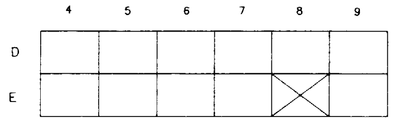
VOLCANIC ROCKS

1a — 907 — 1a — Basalt; Fine grained, dark green-grey, massive to pillowed, chloritic, local flow breccia, 1% pyrite.

1b — 910 — 1b — Andesite; Fine grained, dark grey, massive to locally porphyrytic.

SYMBOLS

- Outcrops
- Boulder
- Swamp
- Creek
- Beaver Dam
- Slope Direction (low,moderate,steep)
- Claim Post
- Trench, Pit
- Contact (observed,inferred)
- Foliation (vertical,inclined)
- Strike and Dip (vertical,inclined)
- Jointing (vertical,inclined)
- Lineation with plunge
- Fault
- x RX210585 (140) — Sample Location and Number (Au Assay in ppb, unless noted otherwise) All Cu, Ni, Zn Assays ≥200ppm Included



Sheet Index

2.14128

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METRES

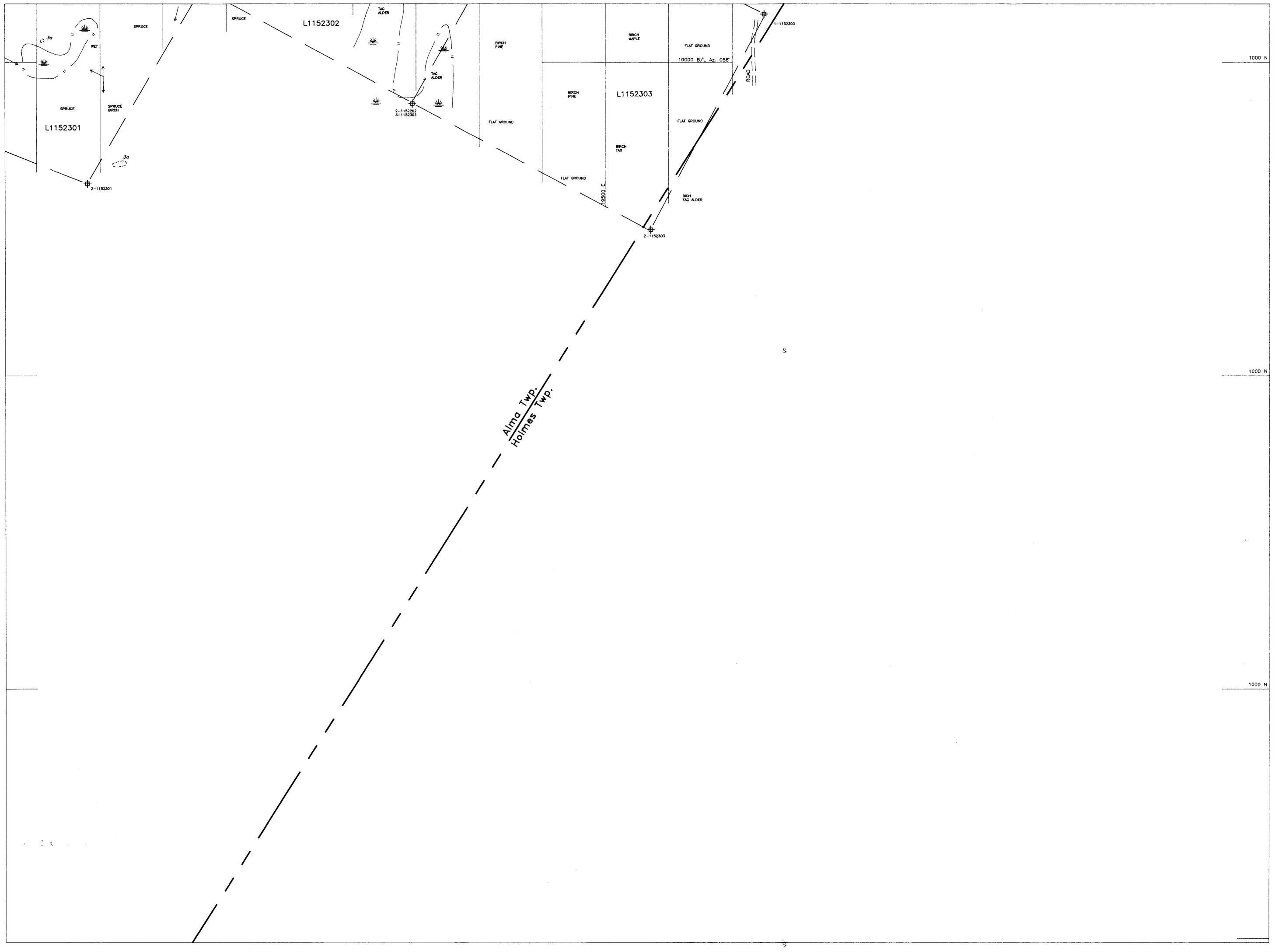
INCO EXPLORATION AND TECHNICAL SERVICES INC. Copper Cliff, Ontario P0M 1N0

Project: CAIRO	Area: Kirkland Lake, Ontario		
GEOLOGICAL SURVEY		SHEET E8	FIGURE 4
Supervisor: J. Perry	Instrument:	Survey date:	
Compiled by: J. Jackson	Drawn by: L.J. Valade	Date drawn: 06/02/91	Revised:
Scale: 1:2500	File: CAIGEOE8.DWG	N.T.S. 42 A 2, 41 P 15	

42A02SE0182 2.14128 ALMA

320

CAIGEOE9.DWG



LEGEND

MAFIC INTRUSIVES

4 — 941 — 4 — Diabase; Medium grained, dark grey, weakly to moderately magnetic, massive.

FELSIC/INTERMEDIATE INTRUSIVES

3a — 928 — 3a — Syenite; Coarse grained to very coarse grained porphyritic(feldspar), pink to red, weakly to non magnetic, massive to locally moderately foliated, up to 10% hornblende(fine grained).

3b — 930 — 3b — Feldspar Porphyry; Fine to medium grained, pink, porphyrytic(feldspar).

TIMISKAMING SEDIMENTARY ROCKS

2a — 915 — 2a — Siltstone; Grey to black, fine grained, weakly calcareous.

2b — 915 — 2b — Sandstone; Creamy white, mature feldspathic sandstone.

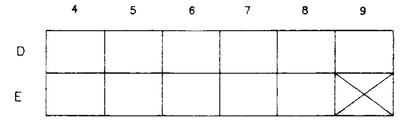
VOLCANIC ROCKS

1a — 907 — 1a — Basalt; Fine grained, dark green-grey, massive to pillowed, chloritic, local flow breccia, 1% pyrite.

1b — 910 — 1b — Andesite; Fine grained, dark grey, massive to locally porphyrytic.

SYMBOLS

- Outcrops
- Boulder
- Swamp
- Creek
- Beaver Dam
- Slope Direction (low,moderate,steep)
- Claim Post
- Trench, Pit
- Contact (observed,inferred)
- Foliation (vertical,inclined)
- Strike and Dip (vertical,inclined)
- Jointing (vertical,inclined)
- Lineation with plunge
- Fault
- X RK210585 (140) — Sample Location and Number (Au Assay in ppb, unless noted otherwise) All Cu, Ni, Zn Assays ≥200ppm Included



Sheet Index

2.14122

0 50 100 150 200 250
METRES

INCO EXPLORATION AND TECHNICAL SERVICES INC.
Copper Cliff, Ontario
P0M 1N0

Project: CAIRO	Area: Kirkland Lake, Ontario		
GEOLOGICAL SURVEY		SHEET E9	FIGURE 4
Supervisor: J. Perry	Instrument:	Survey date:	
Compiled by: J. Jackson	Drawn by: L.J. Valade	Date drawn: 06/02/91	Revised:
Scale: 1:2500	File: CAIGEOE9.DWG	N.T.S. 42 A 2, 41 P 15	

330