MAP NO.:	**ASSESSMENT REPORT**	X	**DOCUMENT NO:** 092888
	PROSPECTUS		**MINING DISTRICT:** Whitehorse
105 D 9, 10	**CONFIDENTIAL**	X	**TYPE OF WORK:** Diamond Drilling
	OPEN FILE		Trenching

REPORT FILED UNDER: INCO EXPLORATION & TECHNICAL SERVICES INC.

DATE PERFORMED: Aug.-Nov, 1990 **DATE FILED:** DEC. 11, 1990

LOCATION: **LAT.:** 60°34'N **AREA:** MARSH LAKE

LONG.: 134°30'W **VALUE $:** 35,500

CLAIM NAME & NO.: ROSSBANK 1-54
RSBK 55-71

WORK DONE BY: AURUM GEOLOGICAL CONSULTANTS INC.

WORK DONE FOR: INCO EXPLORATION AND TECHNICAL SERVICES INC.

DATE TO GOOD STANDING:

REMARKS: The Rossbank property was found to exhibit properties indicative of mesothermal gold mineralization. Trenching og geochem anomalies and drilling were conducted on the two anomalous zones. Three diamond drill holes were drilled for 582.46 meters. Prophyllic to phyllic altered tuffs and flows of mafic to intermediated comp were encountered in the trenches and drill core. Most assays returned » 50 ppb Au. Mineralization consists of galena and pyrite with calcite and quartz within stringers and veinletts. Highest Au value reported was from DDH 90-3 from a 0.20 m bleached zone cut by a Qtz veinlet. It returned 24,243 ppb Au.

OFFICE OF THE REGIONAL MANAGER
MINERAL RIGHTS
DEC 11 1990
WHITEHORSE
YUKON TERRITORY

RECEIVED
DEC 10 1990
MINING
RECORDERS OFFICE
WHITEHORSE, Y.T.

ASSESSMENT REPORT ON THE 1990 EXPLORATION PROGRAM ON THE ROSSBANK PROPERTY

Whitehorse Mining District, Yukon

Claims:
Rossbank 1,2 (YA86000-86001)
Rossbank 3-32 (YA92696-92725)
Rossbank 33-46 (YB13650-13663)
Rossbank 47-52 (YB27381-27386)
Rossbank 53,54 (YB27621-27622)
RSBK 55-71 (YB27712-27728)

Location:
1. 35 km SE of Whitehorse, Yukon
2. NTS Sheets 105 D/9, D/10
3. Latitude 60°34'N
   Longitude 134°30'W

For:
Inco Exploration and Technical Services Inc.
Box 12134, Nelson Square
Suite 512, 808 Nelson Street
Vancouver, British Columbia
V6Z 2H2

By:
A. Doherty, B.Sc.
R. Hulstein, FGAC, B.Sc.
Aurum Geological Consultants Inc.
412-675 West Hastings Street
Vancouver, B.C.
V6B 1N2

November 30, 1990

092888

SUMMARY

The *Rossbank* property consists of 71 contiguous unsurveyed mineral claims in the Marsh Lake area, Yukon. It is accessible by road. The ground became an attractive exploration target in 1988 when a mesothermal lode gold geological setting was identified.

Exploration work completed in 1990 consisted of mapping, trenching, and three HQ and NQ sized diamond drill holes totalling 582.46 meters.

Located over the Marsh Lake Fault, a tectonic boundary, the property covers the Atlin Terrane to the east and the Whitehorse Trough to the west. Atlin Terrane rocks of Permian to Carboniferous serpentinite, oceanic mafic volcanic rocks, limestones and cherts are thought to be part of the Cache Creek Group. Rocks of the Whitehorse Trough consist of Upper Triassic Lewes River Group andesites and basalts and Lower Jurassic Laberge Group sedimentary rocks. The steeply dipping Marsh Lake Fault, with a probable transcurrent sinstral component, has juxtaposed Lewes River Group and Cache Creek Group volcanic rocks against Laberge Group sandstone, siltstone, and conglomerate. Tectonic slices of Cache Creek Group ultramafic rocks have been upthrust along this fault.

Gold mineralization has been identified at two areas on the *Rossbank* property: (1) the Creek zone and (2) the M'Clintock zone. Mineralization and alteration appear to be related to faulting, fracturing and quartz-carbonate veining spatially related to the Marsh Lake Fault.

The Creek zone is developed along the Marsh Lake Fault alomg a strike length of approximately 500 meters. It is underlain by mafic volcanics, serpentinite and sheared sedimentary rocks. It was drill tested for the first time in 1990 by two diamond drill holes, one of which was abandoned. Geochemically anomalous results were returned from drillhole 90-2 which penetrated the eastern side of the fault. Siliceous, pyritic sections of volcanic agglomerate and muddy siltstone returned up to 1989 ppb gold over 2.50 meters and 1671 ppb gold over 3.67 meters respectively. Seven other sections returned values between 505 ppb and 1310 ppb gold over core widths ranging between 0.92 to 2.75 meters.

The M'Clintock zone covers mineralized shear zones in Cache Creek Group mafic volcanic flows and tuffs. The shear zones are probably riedel or oblique shears to the Marsh Lake Fault located approximately 400 meters to the west. The highest value returned in 1990 was 24,243 ppb gold over 0.20 meters from drillhole 90-3 which tested the shear zones. Mineralization consists of disseminated pyrite and galena in narrow (<0.30 meters wide) quartz or quartz-carbonate veins hosted by sheared, phyllic altered, mafic volcanics. Ten other sections returned anomalous gold values ranging between 592 ppb to 5046 ppb over core widths of 0.21 to 2.54 meters.

Based on these results the *Rossbank* property meets the criteria required in order to host a mesothermal lode gold deposit. Continued exploration is warranted. Additional geological mapping, geochemical sampling, excavator trenching, and diamond drilling are recommended.

TABLE OF CONTENTS

SUMMARY		i
TABLE OF CONTENTS		ii
LOCATION AND ACCESS		1
PROPERTY		1
HISTORY		5
CLIMATE, TOPOGRAPHY AND VEGETATION		5
GEOLOGY		6
REGIONAL GEOLOGY		6
PROPERTY GEOLOGY		8
MINERALIZATION AND ALTERATION		10
TRENCHING AND DIAMOND DRILLING RESULTS		11
GEOCHEMISTRY		15
CONCLUSIONS AND RECOMMENDATIONS		16
REFERENCES		18

List of Figures

Figure 1.	Location Map	1:1,000,000	2
Figure 2.	Claim Map	1:31,680	2
Figure 3.	Regional Geology	1:253,440	5
Figure 4.	Property Geology	1:5,000	pocket
Figure 5.	Creek Zone Geology	1:500	pocket
Figure 6.	M'Clintock Zone Geology	1:500	pocket
Figure 7.	M'Clintock Zone Trench Map	1:100	pocket
Figure 8.	Creek Zone Cross Section 50+25E; 49+00N-50+25E	1:250	pocket
Figure 9.	Creek Zone Cross Section 50+25E; 47+50N-49+50N	1:250	pocket
Figure 10.	M'Clintock Zone Cross Section 86+50E; 48+50N-50+50N	1:250	pocket

List of Appendices

Appendix A:	Statement of Qualifications
Appendix B:	Statement of Costs
Appendix C:	Analytical Methods and Results
Appendix D:	Trench Sample Descriptions
Appendix E:	Petrographic Reports
Appendix F:	Drill Logs

INTRODUCTION

This report was prepared at the request of Mr. W. Groeneweg of Inco Exploration and Technical Services Inc. It describes exploration work carried out on the *Rossbank* property between August and November, 1990. Exploration completed prior to August, 1990, not summarized here, is described in a report by Doherty and Walton (1990).

The purpose of the August to November, 1990 program was to test by diamond drilling and trenching two precious metal targets. The two anomalous areas, the Creek zone and the M'Clintock zone, are situated along or adjacent to the Marsh Lake Fault, which juxtaposes Laberge Group sedimentary rocks against volcanic rocks of Triassic (?) age. Mineralization and alteration in these two intensely fractured and altered zones consists of quartz-carbonate-pyrite-mariposite alteration in the Creek zone and quartz-carbonate pods and veins containing galena, sphalerite and pyrite in phyllic altered, carbonatized and pyritized rocks in the M'Clintock zone.

The August to November, 1990 program consisted of excavator trenching and diamond drilling. Three HQ and NQ sized diamond drill holes totaling 582.46 meters were drilled by E. Caron Diamond Drilling Ltd. Coleton Construction Ltd. trenched the M'Clintock zone utilizing a Hitachi UH-122 excavator. Project supervision was carried out by R.A. Doherty and R. Hulstein both of Aurum Geological Consultants Inc.

LOCATION AND ACCESS

The *Rossbank* property is located at the north end of Marsh Lake, approximately 35 kilometers southeast of Whitehorse, Yukon Territory. The claims are located at 60°34'N latitude and 134°30'W longitude within N.T.S. map areas 105 D/9 and 105 D/10.

The Alaska Highway passes over the property, providing excellent access. A number of small roads and trails provide access to areas of interest.

PROPERTY

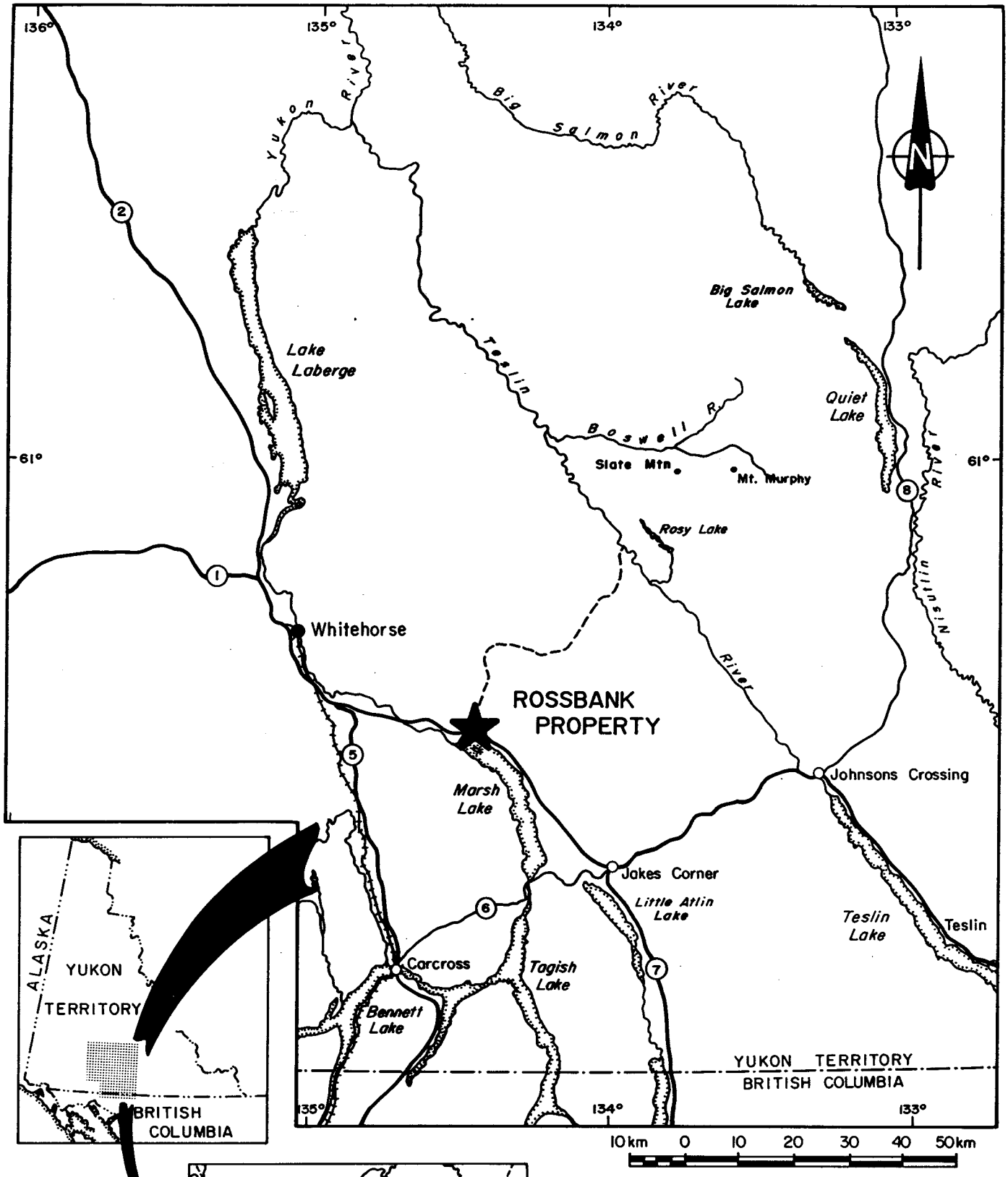
The *Rossbank* property (Figure 2) consists of 71 contiguous unsurveyed quartz mineral claims located in the Whitehorse Mining District, Yukon. The claim group covers an area of approximately 1250 hectares (3100 acres). The Alaska Highway and a pipeline corridor (Foothills Pipe Lines (South Yukon) Ltd.) rights of way run through the property, and may require notice or permission before work is carried out on these lands. Portions of the river and lake frontage are also subject to surface rights held by local property owners. A notice on the claim grants for the RSBK 64-71 claims states that they are subject to section 14(1) of the Yukon Quartz Mining Act which in effect means that right of way may be restricted due to land valued for water/power purposes. Land adjacent to the northwest, east and southern property boundaries has been withdrawn from claim staking, as interim protection, pending resolution of Indian Land claims.

Claim data are as follows;

Claim Name	Grant Number	Recording Date	Expiry Date*
Rossbank 1,2	YA86000-6001	Oct. 22/84	Nov. 13, 1995
Rossbank 3-32	YA92696-2725	July 22/85	Nov. 13, 1995
Rossbank 33-46	YB13650-3663	May 13/88	Nov. 13, 1995
Rossbank 47-52	YB27381-7386	May 22/90	Nov. 13, 1995
Rossbank 53,54	YB27621-7622	June 26/90	Nov. 13, 1995
RSBK 55-71	YB27712-27728	July 27/90	Nov. 13, 1995

* subject to acceptance of assessment work described herein

The claims are owned 100% by Inco Limited, subject to an option agreement with Mr. R. Cofer of Whitehorse, Yukon. They are shown on Yukon Quartz and Placer Sheets 105D-9 and 105D-10, and are known collectively as the *Rossbank* property. When encountered during the 1990 exploration program, claim posts were observed to be upright and properly tagged.



INCO EXPLORATION & TECHNICAL SERVICES INC.			
ROSSBANK PROPERTY			
LOCATION			
Aurum Geological Consultants Inc.		NOV. 1990.	
	Drawn by NH	Scale 1:1,000,000	FIGURE: 1

CLAIM MAP

INCO EXPLORATION & TECHNICAL SERVICES INC.

ROSSBANK PROPERTY

Aurum Geological Consultants Inc. | NOV. 1990

NTS 105D/9810 | DRAWN BY NH | SCALE 1:31,680 | FIGURE: 2

LEGEND

- 32 — claim boundary
- claim number
- YA92725 — tag number
- staking direction
- native land claims
- creek
- 2500 — elevation contour, interval 500ft.
- swamp

Note: adapted from D.I.A.N.D. map sheets 105D/9 & 10

1km 0 1km

KILOMETRE

MAP# 105 D/9, D/10 Doc# 092888 (261A)

HISTORY

The *Rossbank* property appears to have been first explored in the late 1800's. Several old pits and a 50 meter adit have been located on and near the property. The adit was uncovered in 1984 and no written records exist concerning these workings. A relative of Mr. R. Holway, of Whitehorse, Yukon, recalls two men from Atlin or Dease Lake coming down the Yukon River and digging several pits and three adits sometime in the latter part of the 1800's. A tree growing in one of the pits, cut down by Mr. R. Cofer, was at least 100 years old.

No further records of exploration on these showings are available until the *Rossbank* property was staked in 1984. Since the claims were staked, several "Cat" trenches, backhoe trenches, and hand dug pits have been excavated and 69 additional claims have been added to the original *Rossbank* 1 and 2 claims.

In 1988, Aurum Geological Consultants Inc. carried out a short program of mapping and sampling on the Creek and M'Clintock zones (Garagan, et al., 1988) on behalf of Mr. R. Cofer. The property was recognized at this time as having characteristics similar to known mesothermal lode gold deposits (ie. Bralorne-Pioneer, Cassiar, Atlin gold camps in B.C. and the Mother Lode deposits in California).

In the period May to July 1990 Aurum Geological Consultants Inc. carried out grid establishment, claim staking, geological mapping, prospecting, geochemical sampling and a ground magnetometer survey (Walton and Doherty, 1990).

CLIMATE, TOPOGRAPHY AND VEGETATION

The climate in the area of the *Rossbank* property is variable with warm summers and long, cold winters. Precipitation is light, with moderate snowfalls during the winter months.

Topography of the *Rossbank* property varies from low swampy land along Marsh Lake and the M'Clintock River to a well rounded glacially scoured ridge of rock outcrop trending to the northwest, forming the height of land between the M'Clintock and Yukon River valleys. Elevations range between 659 meters at Marsh Lake to 1219 meters at the highest point on the property.

Much of the property has sparse vegetation consisting of spruce, pine and alders.

GEOLOGY

REGIONAL GEOLOGY

The *Rossbank* property area is underlain by rocks belonging to three tectonic assemblages; Atlin Terrane, Whitehorse Trough and Coast Plutonic Complex. Regional geology (Figure 3) of the Whitehorse map sheet (1:253,440) has been described by Wheeler (1961). Mapping at 1:50,000 scale has been completed in parts of the Whitehorse map area by Doherty and Hart (1988), Hart and Pelletier (1989) and Hart and Radloff (1990).

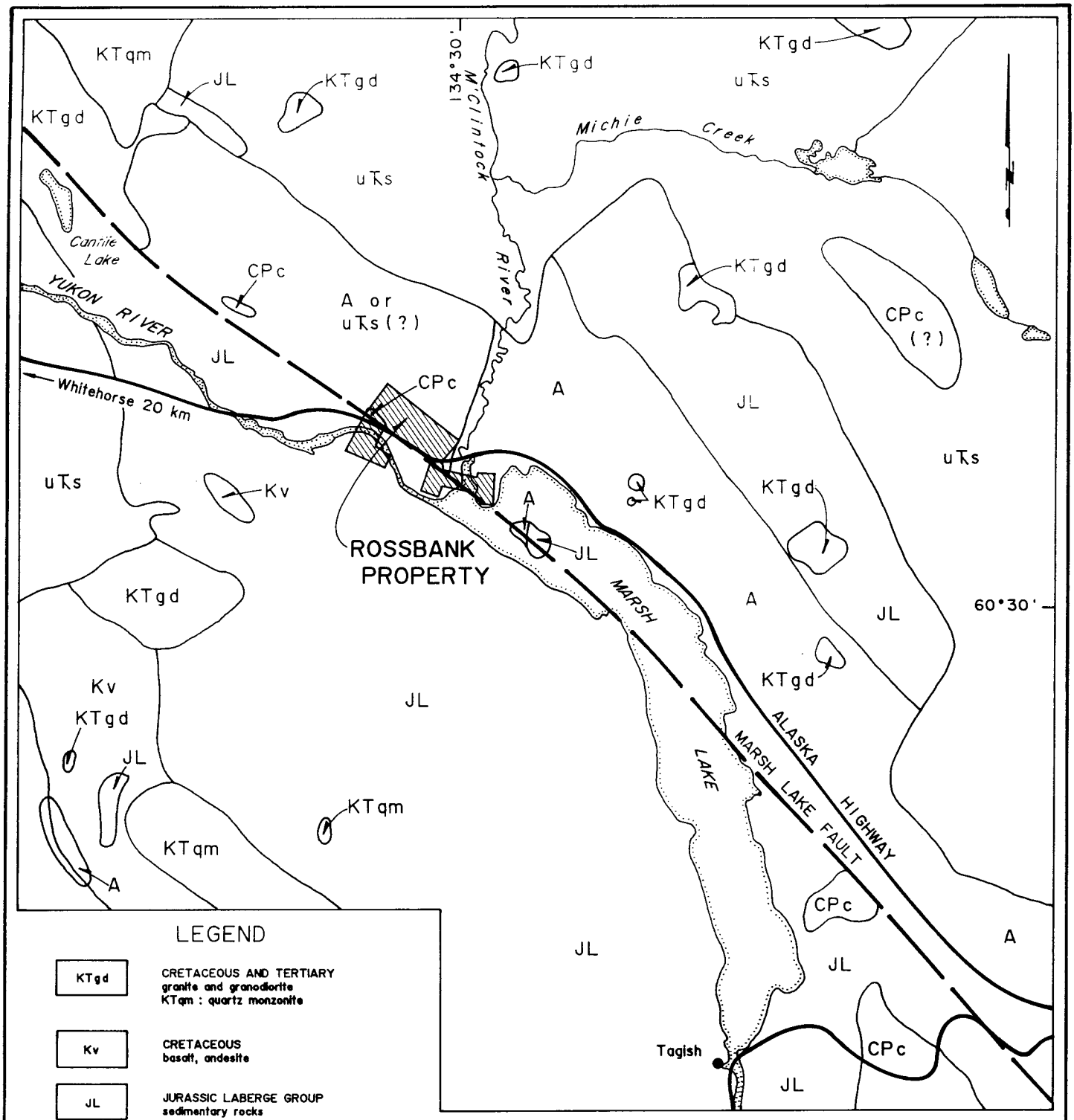
Atlin Terrane rocks are the oldest in the area and consist of Permian to Carboniferous oceanic crust and reef complexes belonging to the Cache Creek Group. The lowermost units of the Cache Creek Group accumulated in a Paleozoic back-arc basin and consist of oceanic mafic volcanic rocks and minor ultramafic rocks. The oceanic rocks are overlain by chert, carbonate and mafic volcanics.

The Whitehorse Trough represents a Mesozoic fore-arc basin which was obducted over the North American craton in the Mid Jurassic. The arc system consisted of Upper Triassic Lewes River Group andesites and basalts, and Lower Jurassic Laberge Group sedimentary rocks. Whitehorse Trough strata were folded about north and northwest trending axes in the Late Jurassic.

During and after accretion of the Whitehorse Trough island arc rocks to the North American craton, subduction of the Pacific Ocean Plate under the North American continental margin generated a large magmatic island arc; the Coast Plutonic Complex. Calc-alkaline plutons of the Coast Plutonic Complex range from Late Triassic to Eocene (Hart and Radloff, 1990). Cretaceous volcanic rocks deposited during the final stages of collision between the island arc and the Mesozoic North America margin unconformably overlie all tectonic elements.

In the *Rossbank* area, the steeply dipping Marsh Lake (thrust ?) Fault, with a probable transcurrent sinistral component, has juxtaposed Lewes River Group and Cache Creek Group volcanic rocks against Laberge Group sandstone, siltstone and conglomerate. This fault can be traced from the west side of Lake Laberge to Jake's Corner on the Alaska Highway. Tectonic slices of ultramafic rock belonging to Cache Creek Group have been upthrust along this fault zone.

The age of the volcanic rocks underlying the *Rossbank* property is uncertain; they have been mapped by Wheeler (1961) as volcanic rocks of uncertain age. The volcanic rocks on the *Rossbank* property are similar to those of Lewes River Group, while volcanic rocks southeast of the *Rossbank* property may range from Cretaceous to Cache Creek Group age (C. Hart, pers. comm., 1990).



LEGEND

KTgd	CRETACEOUS AND TERTIARY granite and granodiorite KTqm : quartz monzonite
Kv	CRETACEOUS basalt, andesite
JL	JURASSIC LABERGE GROUP sedimentary rocks
uTs	UPPER TRIASSIC LEWES RIVER GROUP volcanic and associated sedimentary rocks
CPc	CARBONIFEROUS AND PERMIAN - CACHE CREEK GROUP basalt, limestone, chert, serpentinite
A	VOLCANIC ROCKS OF UNCERTAIN AGE

SYMBOLS

FAULT

GEOLOGICAL CONTACT

HIGHWAY, ROAD

MODIFIED AFTER : WHEELER (1961)

INCO EXPLORATION & TECHNICAL SERVICES INC.

ROSSBANK PROPERTY

REGIONAL GEOLOGY

Aurum Geological Consultants Inc.			NOV. 1990
N.T.S. 105 D	DRAWN BY LW	SCALE 1:253,440	FIGURE 3

PROPERTY GEOLOGY

The property is underlain predominantly by massive, Triassic (?) Lewes River Group basalt, and minor gabbro and andesite with the exception of the Creek zone, M'Clintock zone and other altered areas adjacent to the Alaska Highway. The Marsh Lake Fault and Lower Jurassic Laberge Group rocks are overburden covered.

Known outcrop on the *Rossbank* property is confined to the *Rossbank* 1-34 claims (Figure 4) covering the height of land between the Yukon and M'Clintock River valleys. The oldest rocks are Carboniferous to Permian ultramafic and sedimentary rocks belonging to the Cache Creek Group. Other lithologies exposed on the property are Triassic basalt, andesite, arkose, and limestone.

Ultramafic tectonic slices (map unit **PPs**) are exposed at the Creek and Mariposite zones adjacent to the inferred trace of the Marsh Lake Fault. The serpentinite is dark green to black, soft, cut by quartz-carbonate veinlets, and is often sheared into flat flakes. There is talc on fracture surfaces and abundant carbonate alteration.

Shale (map unit **PPsh**) is exposed adjacent to serpentinite in the Creek zone. The shale is presumed to be of Carboniferous to Permian age. It is resistant, black to rusty weathering, intercalated black to grey graphitic shale, finely laminated and injected with quartz veinlets. The shale resembles phyllite in places.

Drillhole 90-2 on the Creek zone intersected tuffaceous siltstone and mudstone, locally graphitic, and arkose. These rocks have been included with map unit PPsh because of their gross lithological similarities.

Most outcrop on the *Rossbank* property consists of grey weathering massive basalt, believed to belong to the Upper Triassic Lewes River Group (map unit Tb). The dark green porphyritic basalt is comprised of 15-25% fresh subhedral pyroxene phenocrysts (2-5 mm) plus 5-15% plagioclase crystals (0.5-2 mm) in a green or grey-green colored aphanitic matrix. Plagioclase is variably replaced by sericite.

In the southern part of the property (M'Clintock zone area), the volcanic rocks are more intermediate in composition and consist of plagioclase porphyritic basalt to andesite and intermediate tuffs (map unit Ta). Andesitic basalt weathers green to maroon and is composed of 10-15% plagioclase phenocrysts and 5-10% pyroxene phenocrysts in a light gray to maroon colored, aphanitic matrix. The basalt and andesite flows are locally vesicular containing irregular shaped, oblong amygdules generally less than 5 millimeters (but up to 1 centimeter). Both lithologies are also locally auto-brecciated containing 25-40% sub-angular to angular volcanic fragments in a basalt or andesite matrix.

White weathering, gray limestone (map unit Tl) of Triassic (?) Lewes River Group is exposed in a gravel pit adjacent to the Alaska Highway west of the M'Clintock zone. The limestone is poorly exposed and can be traced for less than 50 meters and its relationship to surrounding lithologies is unclear.

Structure

The *Rossbank* property is cut by the Marsh Lake Fault, a major northwest trending (approximately 128°), steeply dipping, thrust(?) and/or transcurrent fault. The trace of the fault is visible on airphotos, but disappears south of the Creek zone under overburden and the Alaska Highway. The Marsh Lake Fault has characteristics of a brittle-ductile shear, as defined by Hodgson (1989), as diamond drillhole 90-2 intersected gouge and fault breccia and some sheared tuffaceous siltstone units that can be described as 'protomylonite'.

A number of strong oblique 130°-145° trending fault or shear zones associated with the Marsh Lake Fault have been located and traced along strike for up to one kilometer. Possible riedel shears trending 105° are found off the main fault on the property. The bulk of the prominent airphoto lineaments trend between 045°-090°. Observed dip directions are vertical to steeply dipping to the northeast and southwest. All shear zones are defined by a weak to pervasive foliated fabric and range from approximately 2 meters to up to at least 200 meters (Marsh Lake Fault) in width. The narrow (<5 meter wide) shear zones, commonly trending between 045° and 090°, show little or no associated alteration, and the foliation fabric is generally moderate to weakly developed.

The Creek zone is located over and to the northeast of the Marsh Lake Fault. The rocks are strongly sheared and foliated along a 105°-135° trend. Deformation is brittle-ductile to ductile and shearing approximately parallels the Marsh Lake Fault (the central shear zone).

The M'Clintock zone is located approximately 400 meters to the northeast of where the Marsh Lake Fault is presumed to be. Deformation appears to be brittle to brittle-ductile with dominant shearing and foliation trends of 105° and 140°. The shearing probably represents oblique (140°) and or riedel shears (105°) associated with the 128° trending Marsh Lake Fault.

MINERALIZATION AND ALTERATION

Exploration Model

The mesothermal lode gold deposit model (Ash and Arksey, 1990; Berger, 1986; Leitch, 1990) is used in exploring the *Rossbank* property.

The *Rossbank* property has tectonic, structural, alteration and mineralization characteristics of typical mesothermal lode gold deposits such as; Bralorne-Pioneer, Polaris-Taku, Cassiar, B.C.; and Juneau, Alaska. The most significant feature is gold concentrations associated with zones of pyrite and quartz stringers in or adjacent to regional fault structures containing listwanititized and carbonatized ultramafics. These characteristics are typical of associated mesothermal gold deposits such as the Mother Lode deposits in California and in Atlin, B.C. (Leitch, 1990). The Marsh Lake Fault is a deep seated regional scale fault which is a possible conduit for mineralizing fluids.

The geochemical signature of mesothermal lode deposits is distinctive as well, with gold bearing zones being enriched in antimony, arsenic, iron, and potassium (Ash and Arksey, 1990).

Typical alteration in the narrow shear zones (<2.0 meters wide) consists of microcrystalline calcite and randomly oriented calcite stringers (generally 3-5 millimeters, up to 2 centimeters). Limonitic minerals along fracture surfaces are locally developed in a few shear zones, and are probably related to weathering of finely disseminated pyrite and or ankerite.

Alteration in the wider shear zones is characterized by moderate to intense shearing with local silicification, usually associated with finely disseminated pyrite (rarely chalcopyrite), and secondary replacement by microcrystalline calcite. Quartz, calcite, sulfides and quartz-calcite stringers and veins (generally <20 centimeter wide) are found locally within the shears.

Two main zones of mineralization and alteration have been located on the property; the Creek zone and the M'Clintock zone. Gold mineralization on the *Rossbank* property appears to be related to quartz and quartz-carbonate veinlets, graphitic zones, and sulfides (primarily pyrite and galena).

Creek Zone

The Creek zone (Figure 5) is located on a southwest facing slope bordered on the northwest by Alpha Creek and on the south by the Alaska Highway; an area of approximately 100 meters by 100 meters. Partially caved trenches and a small escarpment on the Alaska Highway right of way provide outcrop.

Underlying rocks are sheared, altered and veined serpentinites and shales of the Cache Creek Group. Most foliations parallel the northwest trending Marsh Lake Fault or are perpendicular to it. In places, more intensely altered serpentinite has undergone silicification and carbonatization and contains blebs of mariposite and minor fine grained disseminated pyrite. Listwanite alteration (quartz-carbonate-ankerite-mariposite) alteration is most prevalent in the southeast corner of the Creek zone (see Mariposite zone - Figure 4). Shale is generally gray to black and graphitic. The shale may be limonitic and cut by quartz and carbonate stringers, depending on the intensity of alteration.

M'Clintock Zone

The M'Clintock zone (Figure 6) is situated 3.5 kilometers southeast along the Alaska Highway from the Creek zone. The Alaska Highway passes through the M'Clintock zone with bedrock being exposed on either side of the highway.

Altered and sheared massive mafic to intermediate tuffs and flows host the zone. The shears are represented on surface by recessive weathering gullies and trend 105° and 140°. They are characterized by a moderate to strong foliation fabric, local phyllic alteration and by local pods of intensive silicification associated with 0-40% fine grained disseminated pyrite. Mineralized quartz veins, less than 20 centimeters wide, within the shears typically contain quartz, calcite, pyrite, galena and sphalerite. The volcanic rocks hosting the quartz veins show an alteration halo (generally <2 meters wide) of carbonate, pyrite, chlorite and occasionally mariposite.

TRENCHING AND DIAMOND DRILLING RESULTS

Trenching

Trenching on the *Rossbank* property in 1990 was restricted to the M'Clintock zone (Figure 7). Soil samples of reddish brown clay rich soil collected by auger (average 0.5 meter depth) from some of the overburden filled gullies returned anomalous gold values (Walton and Doherty, 1990). Results from this sampling and anomalous rock samples led to trenching by excavator which exposed mineralized shear zones.

Four trenches were excavated by Coleton Construction Ltd. using a Hitachi UH-122 excavator. Bedrock exposures, where altered or mineralized, were chip sampled (each <1.5 m in length). A total of 88 rock chip and grab samples was collected. Trenches 90-1 and 90-3 exposed shear zones trending 105° while trenches 90-2 and 90-4 exposed a 122-125° trending shear zone in two locations 30 meters apart. Quartz veins usually occupy central portion of shear zones and are discontinuous or oblique to the strike of the shear zone. Foliations in wallrock are commonly oblique, at angles less than 25° to the mineralized shear zones.

Trench 90-1 exposed a (0.25 meters wide) mineralized shear zone with an eight centimeter wide 'central' quartz vein. The manganese stained quartz vein is discontinuous, brecciated, and contains <0.5% disseminated galena, 0.5% disseminated pyrite, and limonite. Sample #344991, of sheared carbonatized andesite/basalt wallrock and quartz vein, returned 797 ppb gold over 0.25 meter.

Trench 90-2 exposed a 3.50 meter wide shear zone containing two zones of mineralization on the hanging wall and footwall boundaries. The hanging wall mineralization consists of two bands of galena five and eight centimeters wide 20 centimeters apart in a one meter wide gouge zone trending 125° and dipping south at 45° to 70°. Sample #344969, of sheared carbonatized andesite/basalt, gouge, crushed quartz, and galena veins, returned 702 ppb gold, 150.9 ppm silver, 466 ppm arsenic, 22,057 ppm lead and 333 ppm antimony, over 0.40 meters. Footwall mineralization consists of 0.1% disseminated galena within sheared, and gouged, carbonatized andesite/basalt with minor quartz. Sample 344976 of this footwall material returned 789 ppb gold, 4.2 ppm silver, 494 ppm arsenic, 1976 ppm lead, and 39 ppm antimony.

The east end of Trench 90-3 opened up small hand trenches, completed by Mr. R. Cofer in 1988, exposing a 0.60 meter wide shear zone. The shear zone, trending 105° dipping 40° south, contains a 0.20 meter wide discontinuous quartz-dolomite vein with 5% pyrite, trace galena and minor azurite and malachite. A sample of this material (#344810) returned 14,936 ppb gold, 11.3 ppm silver, 5101 ppm arsenic, 1295 ppm lead, and 45 ppm antimony over 0.60 meters. Another shear zone with

similar veining in the south side on the east end of the trench returned 809 ppb gold over 0.55 meters (sample 344991). This shear is probably the eastern extension on the shearing and veining exposed in the west end of trench 90-3.

The west end of trench 90-3 exposed, along strike (105°), 20 meters of a narrow (< one meter wide) shear zone and associated quartz veining dipping 60-70° south. Samples of strongly sheared, carbonatized basalt/andesite, with quartz-dolomite veining containing trace galena and 5% pyrite returned one highly anomalous sample (344818) with 6208 ppb gold, 2.2 ppm silver, 506 ppm arsenic, 52 ppm lead, and 11 ppm antimony over 0.35 meters. Other samples of the same material returned anomalous values with the next highest value being 809 ppb gold.

Trench 90-4 on the access road over previous anomalous rock samples, up to 14,523 ppb gold (Walton and Doherty, 1990), exposed a shear zone at least three meters wide with a discontinuous quartz-carbonate vein less than 0.20 meters wide. The vein contains less than 0.5% disseminated pyrite, and trends approximately 122° and dips 60-70° south. The vein returned a high value (sample 344952) of 15,105 ppb gold, 9.4 ppm silver, 336 ppm arsenic, 534 ppm lead, and 26 ppm antimony over 0.20 meters. Another sample (344961) of vein and sheared wallrock material returned 6037 ppb gold over 0.80 meters.

Diamond Drilling

A diamond drilling program totalling 582.46 meters was carried out by E. Caron Diamond Drilling Limited between August 6 and September 28, 1990. Two holes (DDH 90-1 & 90-2) were drilled on the Creek zone (Figures 8 and 9) with the first one, DDH90-1, being abandoned due to expanding serpentinite compressing the drill pipe. One hole (DDH90-3) was drilled on the M'Clintock zone (Figure 10). Direct diamond drilling costs averaged $106/meter.

Diamond drilling was carried out with a skid mounted Longyear Super-38 drill, recovering HQ (63.5 mm) and NQ (47.6 mm) core. To improve core recovery in bad ground at the Creek zone (fractured, broken rock, serpentenites, and fault zones) Quik-Gel (barite mud) and Quik-Trol (polymer) were used. Drillhole dip deviation was checked, in drillhole 90-2 only, by hydrofluoric acid test. Dip deviation is less than one degree. Drillhole collars were located by chain and compass.

All the core was logged, photographed and split; one half was shipped to Acme Analytical Laboratories Ltd. in Vancouver for gold and 30 element ICP (including silver, arsenic, lead and antimony) analysis. All core from the 1990 drilling is stored in E. Caron Diamond Drilling Limited's storage yard in Whitehorse. Diamond drilling statistics are as follows:

DRILL HOLE	COLLAR COORDINATES	COLLAR AZ/DIP	LENGTH	ELEVATION
DDH90-1	50+03N/50+25E	211°/-45°	114.60 m	702 m
DDH90-2	49+40N/50+03E	211°/-55°	253.28 m	690 m
DDH90-3	48+88.60N/86+52.80E	121°/-44°	214.58 m	684 m

Creek Zone

Diamond drill holes 90-1 (azimuth 211°, dip -45°) and 90-2 (azimuth 211°, dip -55°) were designed to intersect the Marsh Lake Fault below the Alaska Highway. Rocks adjacent to the target on the north side of the highway, where the drill holes were collared, are locally anomalous in gold,

intensely sheared, and consist of listwanitized ultramafics, serpentinites, and carbonatized, sericitized shales.

Drillhole 90-1 intersected minor sheared calcareous (and carbonatized?) sedimentary rocks and serpentinite in the upper portion of the hole and sheared serpentinite in the lower part of the hole. The drillhole was lost along with 85.34 meters (280 feet) of HQ rods at 114.60 meters due to expanding serpentinite squeezing the drill pipe. No significant gold values were returned from drill core samples.

Drillhole 90-2 intersected serpentinite in the upper and lower parts of the hole. Below the serpentinite, the hole intersected a sequence of sheared tuffaceous siltstones, shales, mudstones, arkose and two volcanic units, a brecciated dacite, and a mafic to intermediate volcanic agglomerate were intersected. All units are foliated to sheared, brecciated and propylitic to phyllic altered (quartz, calcite, ankerite, pyrite, mariposite, sericite, chlorite).

Anomalous values for gold (>50 ppb), arsenic, lead and antimony were returned from most drill core samples with the exception of the serpentinite and dacite units which returned predominantly background (<50 ppb gold) values. Samples anomalous in gold are commonly silicified, include quartz or quartz-carbonate veinlets, or contain clay gouge (often graphitic) adjacent to rock unit contacts. Fine grained disseminated 'dirty' pyrite is ubiquitous but appears to be concentrated, up to 10%, in gold bearing sections. Specks of mariposite are commonly found in or adjacent to anomalous samples.

Significant results for samples from drillhole 90-2 returning geochemical values for gold greater than 500 ppb gold are as follows.

From-To (m)	Au (ppb) Wt'd. Avg.	Width (m)	Lithology
49.28-50.59	1310	1.31	Fault zone with gouge, siltstone, quartz-dolm. veinlets
70.10-72.08	667	1.98	Graphitic siltstone, quartz veinlets, 30% clay gouge
86.56-88.69	831	2.13	as 70.10-72.08; poor recovery, specks mariposite, 15% clay
141.73-144.48	742	2.75	Siliceous siltstone, quartz veinlets, mariposite, diss. pyrite
156.97-157.89	805	0.92	Pyritic (5%), silicified volcanic agglomerate-breccia
161.85-164.35	1989	2.50	Pyritic, silicified (90% quartz) volcanic agglomerate-breccia
170.07-171.65	535	1.58	Graphitic siltstone, 20% quartz blebs, 5% clay
195.20-196.59	505	1.39	Graphitic mudstone, <10% quartz, <1% pyrite
203.91-207.58	1671	3.67	Quartz flooded & veined muddy siltstone, fractured

The highest gold values in drillhole 90-2 were returned from a brecciated silicified volcanic agglomerate that returned a weighted average of 1989 ppb gold over 2.50 meters (from 161.85-164.35 meters). The volcanic agglomerate unit, from 152.40-164.35 meters, consists primarily of amygdaloidal (up to 10% amygdules) basalt and andesite clasts in a tuffaceous-silty matrix. Pyrite and quartz content increase towards the lower contact which includes the anomalous section.

M'Clintock Zone

Drillhole 90-3 (azimuth 030°, dip ¯44°) tested mineralized shear zones trending between 105° and 140°. The hole intersected alternating units of basalt to andesite flows and tuffs. The rock is weakly to intensely altered to a phyllic-potassic assemblage. Volcanic flows and interbedded tuffs, as evidenced by amygdaloidal sections are each less than 10 meters thick and appear to average 3-5 meters in thickness. Alteration (halo generally <2 meters wide) is found adjacent to quartz or quartz-carbonate veining and zones of shearing or fractures.

Significant results for samples from drillhole 90-3 returning geochemical values for gold greater than 500 ppb gold are as follows.

From-To (m)	Au (ppb) Wt'd. Avg.	Width (m)	Lithology
39.56-42.10	896	2.54	Intensely altered, <10% diss. pyrite, tr. galena, mariposite
56.03-56.60	1419	0.57	Brecciated tuff zone, 10% calcite veinlets, 4% diss. pyrite
84.95-85.66	995	1.31	Brecciated tuff zone, 10% calcite veinlets, 4% diss. pyrite
111.34-112.03	592	0.69	Bleached, brecciated, silicified tuff, qtz-calcite vein, pyrite
156.88-157.18	1039	0.30	Qtz-calcite veinlet, 2 mm galena band, bleached-py zone
158.70-159.71	2126	1.01	Bleached, pyritic, <0.5% diss galena, qtz veins & flooding
166.16-166.87	5046	0.71	Bleached, mariposite specks, qtz veins, galena, pyrite
171.45-172.50	659	1.05	Weakly bleached-altered, qtz-calcite veinlets, minor pyrite
185.10-185.30	24243	0.20	3 cm qtz vein in 20 cm bleached zone, 0.5% py, tr galena
200.04-200.25	676	0.21	Silicified tuff, qtz-calcite veinlets, 2% diss pyrite
214.28-214.58	862	0.30	2 cm quartz vein in siliceous bleached zone, 2% pyrite

The highest value in drillhole 90-3 was 24,243 ppb gold over 0.20 meters from a bleached (phyllic altered) tuff zone containing a three centimeter wide quartz veinlet. Veining and mineralization in the drillhole are found in phyllic altered zones bleached to a light-medium tan-green color. Mineralization and overall alteration intensity appear to increase down the hole. Gold correlates with the presence of quartz, quartz-calcite veining, pyrite and galena. The dip of the mineralized shear structures based on the drill intersections appears to be between 75° and 90°. As the dip of vein and shear structures in the trenches varied between 40° and 70° south and only rarely had a 90° dip, the possibility of en-echelon or displaced veins within larger scale (>50 meters wide) shear zones should be investigated.

GEOCHEMISTRY

A total of 551 rock samples (463 drill core, 88 rock chip) were collected and sent to Acme Analytical Laboratories Ltd. in Vancouver, B.C. All samples were analyzed for gold (FA/AA) and 30 element ICP. Geochemical results and sample descriptions are in Appendix A, and results are plotted on Figures 4, 5, 6, and 7.

The highest gold value reported in 1990 was 24,243 over 0.20 meters in hole 90-3 from a 0.20 meter wide bleached zone crosscut by a 0.03 meter wide quartz veinlet containing 0.5% pyrite and trace galena. Silver values are generally low (<15 ppm) although one galena rich trench sample (344969) returned 150.9 ppm silver, and 22,057 ppb lead over 0.40 meters.

Anomalous silver, arsenic, lead, zinc, iron and manganese values correlate with high gold values in samples collected from the M'Clintock zone. In drill holes 90-3 and 90-2 potassium is commonly enriched, up to 0.37%, (approximately 3 X background) in gold bearing sections.

Gold bearing sections are typically anomalous in antimony, arsenic, lead, and zinc. Antimony values up to 166 ppm and 244 ppm were returned from drill holes 90-2 and 90-3 respectively. Arsenic values up to 1,555 ppm and 4,540 ppm were returned from drill holes 90-2 and 90-3 respectively. Anomalous silver values, up to 12.5 ppm in drillhole 90-3, correlate with anomalous gold, arsenic, antimony, lead and zinc values. Silver values in drillhole 90-2 are less than 1.7 ppm. Galena bearing sections in drillhole 90-3 returned up to 5,693 ppb lead and 10,240 ppm zinc. Although lead values in drillhole 90-2 were low (<42 ppm except for one sample with 1,457 ppm lead), zinc values are commonly greater than 100 ppm (<398 ppm).

CONCLUSIONS AND RECOMMENDATIONS

The *Rossbank* property is underlain by Cache Creek Group Carboniferous to Permian serpentinite, shales, and mafic to intermediate volcanic flows and tuffs which in part may belong to Upper Triassic Lewes River Group and Lower Jurassic Laberge Group sedimentary rocks. The steeply dipping Marsh Lake Fault has juxtaposed Laberge Group against the Cache Creek Group volcanic rocks. Small tectonic slivers of Cache Creek Group serpentinite are along this fault. Listwanite, propylitic and phyllic alteration, quartz-carbonate veining and sulfide mineralization (pyrite, galena) is found in the rocks adjacent to the Marsh Lake Fault. The Marsh Lake Fault is a regional scale thrust and/or transcurrent fault and a possible conduit for mineralizing fluids.

Work during August-November, 1990 consisted of excavator trenching and diamond drilling at the two known anomalous gold zones, the Creek and M'Clintock zone's.

Diamond drillhole 90-2 tested part of the Marsh Lake Fault at the Creek zone and returned up to 1989 ppb gold over a core width of 2.50 meters from a silicified zone of mafic volcanic agglomerate. Most samples were anomalous (>50 ppb) for gold. Rocks display intense brittle-ductile to ductile shearing and are locally brecciated, cut by quartz and/or carbonate veinlets, and propylitic to phyllic altered. The Creek zone is spatially associated with carbonatized ultramafic rocks within or near a major fault zone and shows characteristics typical of listwanite mesothermal gold deposits.

Trenching on the M'Clintock zone returned numerous anomalous samples including a high value of 15,105 ppb gold. Anomalous samples consisted of rusty weathering quartz-carbonate veining containing pyrite and galena veining in phyllic altered, brittle-ductile sheared, intermediate to mafic volcanic rock.

Diamond drilling on the M'Clintock zone, hole 90-3, intersected similar lithologic units, alteration, and mineralization as encountered in trenching. The highest value returned in 1990 was from hole 90-3 which contained 24,243 ppb gold over 0.20 meters across phyllic altered tuff containing a quartz veinlet with pyrite and galena. Other anomalous sections included 5046 ppb and 2126 ppb gold over 0.71 and 1.01 meters respectively from similar zones.

The *Rossbank* property has precious metal potential as demonstrated by its tectonic setting, structure, alteration and local concentrations of gold. The mineralization model resembles that of other mesothermal lode gold deposits notably; Bralorne-Pioneer, Polaris-Taku, Cassiar, Atlin, B.C.; Juneau, Alaska; and the Mother Lode deposits in California.

Based on results of surface exploration and diamond drilling obtained to date, more work is warranted on the *Rossbank* property. The following is recommended:

1. Structural analysis by detailed mapping of structural elements.

2. Further geochemical sampling and geological mapping in the vicinity of the M'Clintock zone to identify more potential gold bearing structures.

3. Trench, utilizing an excavator, geologically or geochemically anomalous areas.

4. Gold bearing or significantly anomalous structures should be tested by diamond drilling.

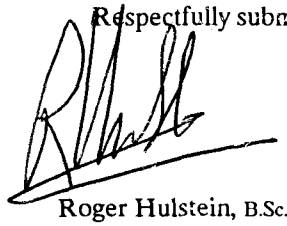
5. Drill at least three deep (>300 meter) diamond drill holes on the Creek zone to test alteration (mariposite zone), structure, and mineralization associated with the Marsh Lake Fault.

6. If results warrant additional drilling on the property a survey of the claim boundaries should be completed.

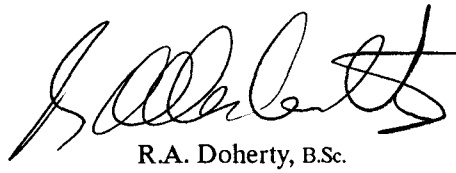
A budget to complete the immediate requirements of the above recommendations is estimated as follows;

Diamond Drilling and/or Reverse Circulation Drilling;	
1700 meters @ approx. $106/meter:	$180,000.00
Drill Mobilization-Drill Pad Construction:	10,000.00
Excavator Trenching:	10,000.00
Aurum Geological Personnel-Fieldwork;	
120 mandays @ approx. $320.00/day:	39,000.00
Report Preparation and Report Costs:	9,000.00
Support Costs (Trucks, Maps, Freight, etc.):	10,000.00
Analytical Costs:	20,000.00
Assessment Fees:	2,000.00
Contingency:	20,000.00
TOTAL	**$300,000.00**

Respectfully submitted,



Roger Hulstein, B.Sc.,FGAC



R.A. Doherty, B.Sc.

November 30, 1990

Aurum Geological Consultants Inc.

REFERENCES

Ash, C.H. and Arksey, R.L., 1990. The Listwanite - Lode Gold Association in British Columbia: in Geological Fieldwork 1989; B.C. Ministry of Energy, Mines and Petroleum Resources, Mineral Resources Division, Paper 1990-1, pp. 359-364.

Berger, R.B., 1986. Descriptive Model of Low-Sulfide Au-Quartz Veins: in Mineral Deposit Models; U.S. Geological Survey Bulletin 1693, pp. 239-244.

Doherty, R.A. and Hart, C.J.R., 1988. Preliminary Geology of Fenwick Creek (105D/3) and Alligator Lake (105D/6) map areas; Indian and Northern Affairs Canada: Yukon Region. by Aurum Geological Consultants Inc., Open File 1988-2, two 1:50,000 maps and text, 65 p.

Garagan, T., Doherty, R.A. and Hulstein, R., 1988. Summary Report on the Rossbank Property: Aurum Geological Consultants Inc., private company report for Mr. R. Cofer.

Hart, C.J.R. and Pelletier, K.S., 1989. Geology of Carcross (105D/2) and part of Robinson (105D/7) map areas: Indian and Northern Affairs Canada: Yukon Region. by Aurum Geological Consultants Inc., Open File 1989-1, two 1:50,000 maps and text, 84 p.

Hart, C.J.R. and Radloff, J.K., 1990. Geology of Whitehorse, Alligator Lake, Fenwick Creek, Carcross and part of Robinson Map Areas (105D/11, 6, 3, 2, & 7): Indian and Northern Affairs Canada: Yukon Region. by Aurum Geological Consultants Inc., Open File 1989-1, two 1:50,000 maps and text, 113 p.

Hodgson, C.J., 1989. Patters of Mineralization: in Mineralization and Shear Zones, ed. Bursnall, J.T., Short Course Notes, Volume 6, Geological Association of Canada, pp. 51-88.

Leitch, C.H.B., 1990. Bralorne: a Mesothermal, Shield-Type Vein Gold Deposit of Cretaceous age in Southwestern British Columbia: CIM Bulletin, Vol. 83, No. 941, pp. 53-80, September 1990.

Wheeler, J.O., 1961. Whitehorse map-area, Yukon Territory; Geological Survey of Canada, Memoir 312, 156 p.

APPENDIX A

Statement of Qualifications

STATEMENT OF QUALIFICATIONS

I, R. Allan Doherty, hereby certify that:

1. I am a geologist with AURUM GEOLOGICAL CONSULTANTS INC., P.O. Box 4367, Whitehorse, Yukon Territory.

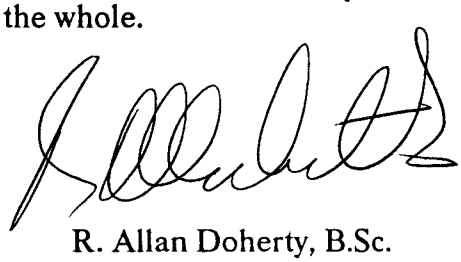
2. I am a graduate of the University of New Brunswick, with a degree in geology (Hons. B.Sc., 1977) and that I attended graduate school at Memorial University of Newfoundland, 1978-81. I have been involved in geological mapping and mineral exploration continuously since then.

3. I am a member of the Yukon Association of Professional Geoscientists.

4. I have no direct or indirect interest in the properties of Inco Limited or Inco Exploration and Technical Services Inc.

5. I jointly supervised the work program and the preparation of this report on the Rossbank property, which is based on data collected during property work and property visits between May, and October, 1990.

6. I consent to the use of this report in a company report or statement, provided that no portion is used out of context in such a manner as to convey a meaning differing materially from that set out in the whole.



November 30, 1990

R. Allan Doherty, B.Sc.

STATEMENT OF QUALIFICATIONS

I, ROGER W. HULSTEIN, hereby certify that:

1. I am a geologist with AURUM GEOLOGICAL CONSULTANTS INC., P.O. Box 4367, Whitehorse, Yukon Territory.

2. I am a graduate of Saint Mary's University, Halifax, with a degree in geology (B.Sc., 1981) and have been involved in geology and mineral exploration continuously since 1978.

3. I am a fellow of the Geological Association of Canada (F3572).

4. I have no direct or indirect interest in the properties of Inco Limited or Inco Exploration and Technical Services Inc.

5. I am the author of this report on the Rossbank property, Whitehorse mining district, Yukon, which is based on my personal examination of the ground during May to November, 1990 and on referenced sources.

6. I consent to the use of this report in a company report or statement, provided that no portion is used out of context in such a manner as to convey a meaning differing materially from that set out in the whole.

November 30, 1990

Roger Hulstein, B.Sc., FGAC

APPENDIX B

Statement of Costs

STATEMENT OF COSTS

Assessment Work Valuation: Rossbank Property

Diamond Drilling Costs: E. Caron Diamond Drilling Ltd.

Invoice No.	Date	Amount	
2797	Aug. 15, 1990	$13,282.50	
2809	Aug. 30, 1990	25,127.00	
2829	Sept. 9, 1990	6,588.75	
2835	Sept. 30, 1990	16,484.00	
	Subtotal		**$61,482.25**

Trenching Costs: Coleton Construction Ltd.

Invoice No.	Date	Amount	
59821	Aug. 2, 1990	$1,045.00	
59825	Aug. 3, 1990	920.00	
	Subtotal		**1,965.00**

Fieldwork Costs: Aurum Geological Consultants Inc.

Invoice No.	Date	Amount	
90086	Aug. 15, 1990	$10,264.13	
90094	Aug. 31, 1990	5917.06	
90103	Sept. 15, 1990	5462.36	
90110	Sept. 30, 190	4007.87	
90118	Oct. 15, 1990	6096.52	
90137	Oct. 31, 1990	4950.90	
90150	Nov. 30, 1990	5577.94	
	Subtotal		**42,276.78**

TOTAL 1990 WORK VALUATION **105,724.03**

APPENDIX C

Analytical Methods
Analytical Results

ANALYTICAL METHODS

All analytical work was performed by **Acme Analytical Laboratories Ltd.**, 852 East Hastings Street, Vancouver, B.C. by methods described below.

Sample Preparation

All drill core samples are crushed to -10 mesh, riffle split to 300 grams, ring pulverize to -150 mesh.

Analytical Methods

For Au; 20 or 30 gram samples are fused ignited at 600°C, digested with hot aqua regia, extracted by MIBK and, analysed by graphite furnace atomic absorbtion (AA).

For;

Element	Detection
Ag	0.1 ppm
Cd, Co, Cr, Cu, Mn, Mo, Ni, Sr, Zn	1 ppm
As, Au, B, Ba, Bi, La, Pb, Sb, Th, V, W	2 ppm
U	5 ppm
Al, Ca, Fe, K, Mg, Na, P, Ti;	0.01%

For the elements above the following procedure is followed: 0.5 gram samples are digested with 3 mls 3-1-2 HCL-HNO_3-H_20 at 95^0C for one hour then diluted to 10 ml with water. This leach is near total for base metals, partial for Mn, Fe, Sr, Ca, P, La, Cr, Mg, Ba, Tl, B, W and, limited for Na, K and, Al. Solubility limits Ag, Pb,Sb, Bi, and, W for high grade samples. Extracted metals are determined by inductively coupled argon plasma (ICP).

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

TRENCH 90-1

Inco Expl. & Tech. Services PROJECT BC 90-01 File # 90-3372

P.O. Box 12134, 512 - 808, Vancouver BC V6Z 2H2

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
344951 H	9	129	134	259	3.8	20	31	1850	6.83	345	5	ND	3	102	.3	27	2	20	1.06	.153	11	10	.20	105	.01	10	.45	.01	.26	1	396
344952 H	6	77	534	771	9.4	5	8	5593	4.59	336	5	18	3	587	4.0	26	2	18	10.46	.038	7	4	3.11	24	.01	2	.15	.01	.10	1	15105
344953 H	1	127	6	279	.1	11	26	1970	4.21	66	5	ND	4	281	1.0	5	2	24	5.98	.161	16	10	.47	207	.01	11	.66	.01	.37	1	93
344954 H	7	96	46	79	1.6	17	28	1600	6.09	54	5	ND	3	280	.2	5	5	18	4.44	.145	14	10	.67	86	.01	6	.59	.01	.35	1	103
344955 H	7	105	77	132	2.3	20	30	2357	6.56	197	5	ND	3	212	.6	17	2	26	3.74	.150	10	12	.62	36	.01	6	.49	.01	.27	1	169
344956 H	12	104	440	385	2.2	18	28	1918	7.25	366	5	ND	2	155	1.2	25	2	20	1.58	.131	6	9	.33	48	.01	11	.47	.01	.25	1	499
344957 H	13	127	109	300	3.0	19	31	2578	7.09	235	5	ND	4	223	.9	17	3	28	3.43	.152	12	12	.58	124	.01	5	.51	.01	.29	1	649
344958 H	19	87	551	463	4.6	10	13	4195	4.79	183	5	2	2	376	2.8	25	2	16	6.39	.058	7	5	2.02	37	.01	3	.20	.01	.13	1	2592
344959 H	5	97	55	152	1.6	18	25	2023	5.79	287	5	ND	2	168	.2	13	2	16	2.88	.124	12	9	.33	85	.01	6	.42	.01	.25	1	173
344960 H	4	126	44	129	2.1	18	28	2271	5.84	144	5	ND	3	162	.4	25	2	26	3.43	.145	11	10	.43	84	.01	9	.50	.01	.28	1	123
344961 H	8	112	159	435	4.5	16	27	2354	6.11	296	5	6	3	177	1.9	23	2	25	3.38	.162	12	11	.88	64	.01	7	.47	.01	.25	1	6073
344962 H	9	104	200	530	3.4	12	19	2349	4.21	200	5	4	3	428	3.3	18	2	21	5.73	.145	9	8	1.70	72	.01	11	.39	.01	.23	1	4241
344963 H	18	78	177	283	3.8	11	21	617	6.63	290	5	ND	2	221	.7	13	2	15	.69	.119	9	8	.07	174	.01	8	.41	.01	.34	1	297
344964 H	3	116	42	170	1.1	13	28	1802	5.04	135	5	ND	4	202	.3	9	2	34	4.96	.164	15	15	.62	151	.01	11	.90	.01	.37	1	119
344965 H	9	113	350	964	4.0	15	22	3119	5.30	290	5	3	3	333	6.7	21	2	20	5.61	.128	7	8	1.32	24	.01	11	.45	.01	.25	1	3283
344966 H	3	96	56	377	1.4	15	26	2671	5.30	202	5	ND	4	224	1.4	10	4	30	4.99	.147	13	12	.81	77	.01	8	.52	.01	.30	1	241
344967 H	5	104	60	167	1.6	15	20	2478	5.09	195	5	ND	3	273	.9	12	2	24	5.20	.134	11	10	1.20	86	.01	6	.43	.01	.25	1	201
STANDARD C/AU-R	19	57	41	130	7.2	71	31	1051	3.99	42	22	7	38	53	18.6	15	21	56	.52	.093	38	56	.89	180	.07	34	1.89	.06	.14	13	486

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Rock AU** ANALYSIS BY FA\ICP FROM 10 GM SAMPLE.

DATE RECEIVED: AUG 10 1990 **DATE REPORT MAILED:** Aug 17/90 **SIGNED BY.....** D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

TRENCH 90-3

Inco Expl. & Tech. Services PROJECT BC 90-01 File # 90-3469 Page 1

P.O. Box 12134, 512 - 808 Nelson St., Vancouver BC V6Z 2H2

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
344806 H	6	106	65	216	1.0	18	26	1786	6.09	178	5	ND	4	166	.9	6	2	83	3.23	.153	17	41	2.04	85	.01	4	1.95	.01	.20	1	101
344807 H	2	120	50	116	1.3	19	27	1453	6.86	41	5	ND	4	114	.7	4	2	65	3.02	.158	14	38	1.61	105	.01	2	1.46	.02	.18	1	75
344808 H	4	100	44	112	.9	17	27	1571	6.49	28	5	ND	3	152	.3	5	2	76	2.18	.148	12	40	1.99	180	.01	3	1.85	.01	.19	1	62
344809 H	14	92	37	198	1.1	17	26	2183	5.90	107	5	ND	4	189	.9	8	2	76	3.95	.145	14	37	1.79	93	.01	5	1.95	.01	.27	1	110
344810 H	24	183	1295	715	11.3	11	14	2618	5.88	5101	5	21	3	210	5.4	45	2	17	3.91	.099	7	7	.87	66	.01	7	.52	.01	.34	1	14936
344811 H	6	94	74	193	1.0	11	23	1840	5.61	297	5	ND	5	210	.9	11	2	45	3.53	.160	17	13	.72	67	.01	7	.99	.01	.42	1	651
344812 H	1	120	19	129	.4	15	25	1374	6.37	56	5	ND	5	235	.7	2	2	116	4.61	.153	18	23	2.09	246	.01	2	2.51	.01	.19	1	58
344813 H	1	103	52	266	.6	10	23	2424	4.48	134	5	ND	4	362	1.5	6	2	40	7.77	.149	18	8	.73	198	.01	7	.76	.01	.38	2	170
344814 H	3	107	77	267	.8	14	27	1865	7.01	317	5	ND	4	161	.9	6	2	35	2.63	.175	14	5	.27	107	.01	9	.63	.01	.36	2	237
344815 H	3	98	56	164	.8	17	30	2481	6.54	262	5	ND	4	104	.5	5	2	29	2.33	.184	15	8	.24	127	.01	6	.62	.01	.34	2	119
344816 H	1	129	57	197	.8	13	26	1625	5.26	122	5	ND	5	205	.6	3	2	59	4.84	.158	18	11	.73	166	.01	7	1.34	.01	.37	1	101
344817 H	4	80	99	207	1.7	12	22	3473	6.73	353	5	ND	3	202	1.5	20	2	27	4.85	.130	11	5	.83	67	.01	6	.50	.01	.31	1	609
344818 H	7	29	52	168	2.2	5	9	6280	3.87	506	5	7	2	557	.9	11	2	10	7.77	.054	7	3	1.61	67	.01	2	.21	.01	.13	1	6208
344819 H	3	93	93	269	1.8	15	28	2624	7.21	312	5	ND	4	235	1.7	9	2	34	3.42	.164	14	6	.38	124	.01	7	.77	.01	.35	1	205
344820 H	2	119	74	336	.8	15	30	1890	5.44	151	5	ND	4	221	1.1	3	2	54	4.30	.159	16	11	.66	140	.01	6	1.21	.01	.32	1	89
344821 H	2	24	88	202	.7	8	10	3734	3.46	207	5	ND	2	1315	1.1	6	2	11	11.27	.063	8	3	1.25	57	.01	2	.20	.01	.14	1	781
344822 H	5	52	144	205	1.6	18	30	2159	7.56	370	5	ND	4	180	1.0	8	2	24	3.57	.139	12	9	.31	109	.01	5	.45	.01	.27	1	190
344823 H	10	53	1874	147	3.2	8	12	2790	5.58	286	5	ND	2	274	.7	12	2	19	7.15	.069	8	5	1.15	106	.01	2	.28	.01	.17	1	307
344824 H	2	137	62	151	1.1	14	26	2243	6.25	219	5	ND	4	233	.6	7	3	62	4.08	.152	15	13	.91	99	.01	4	1.23	.01	.25	2	261
344825 H	7	28	110	372	.7	11	18	3380	5.34	251	5	ND	3	602	2.0	8	2	16	6.33	.105	10	5	.74	73	.01	3	.29	.01	.18	1	555
344826 H	1	83	40	105	.5	12	24	1979	4.91	114	5	ND	4	361	.3	3	2	24	7.04	.140	14	9	.69	97	.01	6	.60	.01	.26	1	304
344827 H	1	111	23	87	.3	12	25	1316	5.60	28	5	ND	4	332	.3	3	2	60	5.29	.145	19	22	1.69	135	.01	2	1.51	.01	.21	1	24
344828 H	16	50	78	177	.9	10	16	4300	5.84	208	5	ND	3	389	1.4	15	2	28	9.19	.100	11	6	2.50	96	.01	4	.41	.01	.22	1	269
344829 H	1	113	14	92	.2	15	25	1104	5.95	28	5	ND	4	235	.2	2	2	83	4.18	.150	20	20	1.94	86	.01	2	1.97	.01	.18	1	31
344830 H	2	99	55	144	.7	14	27	1956	5.00	167	5	ND	4	254	.2	8	2	24	4.24	.159	16	5	.51	126	.01	6	.62	.01	.31	1	94
344831 H	1	81	32	115	.3	14	26	2090	5.98	126	5	ND	5	303	.4	7	2	59	5.61	.150	16	18	1.62	92	.01	3	1.37	.01	.22	2	103
344832 H	8	80	140	264	1.2	17	24	2590	5.58	235	5	ND	3	396	1.2	14	2	18	4.18	.128	12	10	.22	111	.01	6	.52	.01	.29	1	525
344833 H	1	83	17	76	.3	14	21	1579	5.04	37	5	ND	4	434	.3	3	2	58	5.86	.119	17	43	1.64	95	.01	2	1.62	.01	.19	1	74
344834 H	1	97	19	82	.1	12	23	1626	5.25	64	5	ND	4	370	.2	3	2	34	5.63	.143	15	10	1.24	99	.01	2	.84	.01	.23	1	65
344835 H	6	75	54	144	.8	11	18	3505	4.99	156	5	ND	3	616	.6	6	2	21	8.13	.114	12	7	.38	101	.01	3	.51	.01	.19	1	243
344836 H	22	76	66	185	1.2	15	25	2191	6.56	103	5	ND	4	175	.7	4	2	39	3.05	.144	11	13	.79	85	.01	4	1.12	.01	.27	1	115
344837 H	1	121	11	103	.1	15	27	1098	6.31	20	5	ND	5	211	.2	2	2	101	3.29	.165	20	23	2.39	229	.01	2	2.35	.01	.21	1	27
344838 H	10	103	84	256	1.0	15	30	2438	6.50	189	5	ND	5	170	1.0	10	2	24	3.13	.170	15	7	.33	108	.01	6	.59	.01	.30	1	121
344839 H	14	99	31	132	.6	16	25	1691	5.81	74	5	ND	5	224	.4	4	2	61	4.58	.216	22	26	1.63	100	.01	2	1.46	.01	.25	1	143
344840 H	1	77	11	103	.1	14	27	1181	6.28	2	5	ND	5	267	.2	2	2	149	3.45	.148	20	40	3.98	366	.08	2	3.34	.02	.10	1	22
344841 H	9	120	36	145	.6	16	27	1527	6.90	62	5	ND	6	174	.2	4	2	83	2.42	.168	19	20	1.27	120	.01	4	1.56	.02	.24	1	51
344842 H	1	73	39	156	.6	15	29	1883	6.77	119	5	ND	4	93	.3	5	2	114	2.18	.159	17	35	2.05	88	.01	2	2.10	.02	.16	1	106
STANDARD C/AU-R	19	62	42	133	6.9	72	31	1047	3.96	39	23	8	39	52	18.6	15	21	59	.52	.099	40	59	.89	183	.09	35	1.89	.06	.13	12	482

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Rock AU** ANALYSIS BY FA\ICP FROM 10 GM SAMPLE.

DATE RECEIVED: AUG 14 1990 DATE REPORT MAILED: Aug 22/90 SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
344968 H	2	91	157	206	.7	15	24	2311	6.26	171	5	ND	3	281	1.2	7	2	28	5.89	.122	12	9	1.54	76	.01	12	.67	.01	.34	1	118
344969 H	22	1399	22037✓	2447	150.9✓	34	22	1809	7.09	466	5	ND	1	364	16.4	333	2	16	4.00	.122	6	11	1.45	54	.01	8	.34	.01	.18	1	702
344970 H	6	166	2066	641	7.6	17	22	2172	5.66	264	5	ND	2	282	5.0	34	2	25	3.24	.123	8	11	1.30	88	.01	12	.58	.01	.30	1	210
344971 H	4	74	534	267	1.8	35	22	2030	5.33	196	5	ND	3	420	2.5	14	2	30	4.53	.146	11	19	1.32	56	.01	9	.45	.01	.26	1	146
344972 H	17	576	22854✓	1009	74.5✓	20	21	1733	6.34	483	5	ND	1	242	5.3	294	4	17	2.43	.112	6	10	.91	92	.01	5	.38	.01	.20	1	435
344973 H	6	51	213	366	1.0	17	22	2325	4.79	263	5	ND	2	149	1.9	13	2	21	3.34	.120	8	8	1.37	83	.01	9	.45	.01	.23	1	129
344974 H	7	96	248	173	1.0	17	26	2540	5.87	161	5	ND	4	340	1.1	7	4	30	5.80	.144	10	9	.79	87	.01	9	.68	.01	.36	2	294
344975 H	5	96	59	485	.7	91	35	2206	7.84	242	5	ND	3	464	1.9	7	8	43	6.28	.278	18	63	.98	134	.01	12	.97	.01	.41	3	92
344976 H	24	246	1976	1890	4.2	55	29	1882	11.27	494	5	ND	3	191	3.9	39	2	27	2.14	.210	13	24	.56	156	.01	2	.57	.01	.28	1	709
344977 H	4	72	77	307	.5	12	24	2215	5.58	133	5	ND	3	217	1.7	6	2	31	4.50	.136	12	12	.66	86	.01	10	.54	.01	.29	2	102
344978 H	6	90	90	252	1.1	13	23	2617	5.68	140	5	ND	5	230	1.4	13	9	32	5.77	.128	12	11	1.15	52	.01	9	.46	.01	.24	1	101
344979 H	6	87	66	229	.9	16	26	2656	6.53	143	5	ND	4	175	1.2	9	10	37	4.49	.140	12	14	.53	69	.01	8	.50	.01	.26	1	101
344980 H	8	51	66	119	1.2	15	27	2646	6.65	145	5	ND	3	150	.7	7	2	44	4.47	.142	12	15	.84	87	.01	6	.46	.01	.25	1	103
344981 H	11	23	118	51	1.6	4	8	253	3.24	182	5	ND	1	71	.2	12	3	11	.29	.057	5	5	.08	125	.01	6	.31	.01	.23	1	150
344982 H	6	101	61	137	1.2	16	25	2629	5.74	131	5	ND	4	218	.9	9	2	37	4.95	.150	13	15	.81	116	.01	10	.57	.01	.32	1	107
344983 H	4	94	67	128	1.1	11	14	2869	3.89	155	5	ND	2	368	.6	21	2	18	6.44	.076	7	8	2.52	127	.01	4	.35	.01	.18	1	87
344984 H	3	266	122	220	1.3	19	25	2817	6.49	326	5	ND	2	235	1.6	18	7	33	4.73	.128	10	14	1.36	77	.01	8	.56	.01	.26	1	164
344985 H	3	29	63	144	.8	27	26	3858	5.53	239	5	ND	3	340	.8	8	2	29	5.78	.084	9	29	2.61	68	.01	2	.38	.01	.22	1	183
344986 H	1	72	11	85	.1	14	21	1133	4.61	23	5	ND	3	416	.6	2	3	59	5.25	.120	17	42	1.93	396	.01	6	1.69	.01	.20	1	12
344987 H	6	895	17224✓	1317	39.2✓	16	18	2336	5.77	434	5	ND	2	351	5.0	97	2	18	5.19	.091	6	8	1.51	63	.01	7	.37	.01	.20	1	428
344988 H	8	55	115	162	1.0	10	24	2706	6.58	202	5	ND	4	264	1.3	7	6	26	5.07	.145	9	7	1.48	70	.01	7	.50	.01	.27	2	203
344989 H	3	86	464	275	1.4	21	25	3517	5.80	145	5	ND	4	337	1.4	9	6	45	8.16	.083	12	35	1.87	68	.01	8	.61	.01	.25	1	402
344990 H	1	111	45	179	.6	28	28	2546	4.58	89	5	ND	4	317	.4	6	2	64	6.62	.113	15	99	1.59	144	.01	7	1.71	.01	.27	2	56
344991 H	14	374	1228	1170	3.7	14	21	2963	6.64	328	5	ND	1	89	5.3	67	6	18	1.84	.094	9	13	.23	103	.01	7	.43	.01	.22	1	797
344992 H	6	122	73	307	.7	21	32	2227	7.36	122	8	ND	4	96	1.0	5	5	75	1.36	.145	13	39	1.37	136	.01	3	1.65	.01	.23	2	123
344993 H	1	101	30	232	.1	25	29	1093	6.53	19	5	ND	4	273	.4	4	8	161	3.32	.129	18	105	3.72	593	.03	3	3.37	.03	.16	1	11
344994 H	2	91	26	212	.2	32	29	2199	4.66	50	5	ND	3	364	.8	4	2	97	6.21	.096	14	130	2.45	88	.01	8	2.19	.01	.20	1	4
344995 H	3	88	88	189	.6	21	24	2663	5.43	112	5	ND	3	344	.8	5	12	51	6.14	.094	12	47	2.06	102	.01	3	1.25	.01	.25	2	354
344996 H	1	98	12	83	.2	17	24	1286	5.34	36	5	ND	4	368	.4	4	7	72	5.12	.109	16	59	2.49	113	.01	3	1.92	.01	.26	1	1
344997 H	4	111	43	149	1.1	16	29	1953	6.18	76	5	ND	2	180	.5	2	7	112	2.71	.160	16	52	2.45	112	.01	6	2.42	.01	.22	1	55
344998 H	39	55	272	285	1.4	10	23	1773	10.50	508	5	ND	4	124	1.9	6	7	32	.28	.155	10	12	.40	192	.01	8	.79	.01	.40	2	809
344999 H	1	121	12	94	.1	13	24	1294	5.91	31	5	ND	4	406	.7	3	2	129	4.07	.155	21	23	2.55	205	.03	2	2.49	.02	.18	1	13
345000 H	6	78	173	276	1.0	16	28	3044	6.55	220	5	ND	4	105	1.3	7	4	78	2.20	.121	17	21	1.57	123	.01	4	1.66	.01	.21	1	353
STANDARD C/AU-R	20	60	38	132	6.9	73	32	1052	3.96	41	19	7	38	52	18.6	16	22	57	.52	.098	39	58	.89	183	.08	35	1.88	.06	.14	13	465

TRENCH 90-2 ++ TRENCH 90-1 ++ TRENCH 90-3

✓ ASSAY RECOMMENDED

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

90-1

Inco Expl. & Tech. Services PROJECT BC 90-01 File # 90-3806

P.O. Box 12134, 512 - 808, Vancouver BC V6Z 2H2 Submitted by: AURUM GEOLOGICAL CONS.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
75276	1	6	2	21	.1	1547	70	489	3.77	10	7	ND	2	101	.2	2	2	14	1.73	.003	2	780	19.92	10	.01	228	.16	.01	.03	1	4
75277	1	9	2	20	.1	1511	68	605	3.26	8	5	ND	2	133	.2	2	2	9	2.47	.004	2	469	18.79	15	.01	202	.07	.01	.04	1	1
75278	1	8	2	11	.1	20	3	419	.55	2	8	ND	1	1575	.2	2	2	7	32.69	.026	2	23	.48	45	.01	5	.32	.01	.10	1	4
75279	1	35	5	62	.1	26	8	493	2.64	3	13	ND	3	698	.5	2	2	49	13.39	.070	11	42	1.28	59	.17	5	1.50	.03	.17	1	23
75280	1	13	4	50	.1	76	8	481	2.61	4	5	ND	4	581	.3	2	2	50	10.36	.107	20	45	1.79	38	.22	18	1.29	.06	.07	1	2
75281	2	38	4	56	.2	52	7	431	2.02	5	5	ND	1	1043	.5	2	2	28	20.47	.049	7	43	1.29	60	.06	11	1.14	.01	.16	1	3
75282	1	30	4	52	.3	17	5	451	1.65	7	14	ND	2	1247	.5	2	2	27	23.47	.040	5	26	.76	72	.03	6	.99	.01	.21	1	3
75283	2	55	5	107	.5	26	9	350	3.17	5	20	ND	4	774	1.0	2	2	52	13.49	.054	9	34	1.37	86	.07	8	1.76	.02	.26	1	4
75284	1	50	3	94	.3	31	10	358	2.61	5	10	ND	2	957	.9	2	2	51	17.44	.046	7	39	1.22	84	.07	8	1.53	.01	.24	1	8
75285	1	50	2	73	.1	140	29	990	6.15	3	6	ND	2	203	.5	2	2	207	3.73	.041	4	229	6.36	36	.25	12	4.05	.02	.05	1	1
75286	1	54	2	63	.3	48	17	762	3.95	2	6	ND	2	341	.5	2	2	131	7.69	.036	4	147	2.57	71	.20	5	2.40	.03	.12	1	2
75287	1	30	2	75	.1	258	35	1149	6.88	11	5	ND	2	99	.5	2	2	209	1.11	.041	3	292	10.78	31	.28	19	5.11	.01	.04	1	1
75288	1	22	2	32	.1	1258	62	613	4.20	3	5	ND	2	132	.2	2	2	49	1.84	.010	2	708	18.06	21	.03	89	1.26	.01	.05	1	3
75289	1	14	2	19	.1	1238	62	617	3.14	17	5	ND	2	219	.2	2	3	18	3.69	.004	2	661	13.79	15	.01	123	.29	.01	.03	1	6
75290	1	8	2	23	.1	1488	69	519	3.83	9	5	ND	1	152	.3	2	2	18	2.28	.003	2	789	19.12	10	.01	170	.25	.01	.03	1	17
75291	1	15	2	28	.1	1343	64	585	3.76	7	5	ND	1	226	.2	2	2	25	2.80	.005	2	692	18.42	15	.01	116	.58	.01	.03	1	14
75292	1	7	2	25	.1	1493	71	577	3.82	6	5	ND	1	64	.2	2	2	18	1.05	.003	2	708	19.44	8	.01	185	.30	.01	.03	1	3
75293	1	16	2	29	.1	1311	62	399	3.42	14	5	ND	1	101	.3	2	2	21	1.25	.010	2	542	17.58	19	.01	177	.64	.01	.02	1	4
STANDARD C/AU-R	20	63	40	133	7.3	62	32	1044	3.96	42	19	7	40	54	18.5	16	20	61	.51	.100	40	59	.91	179	.09	37	1.89	.07	.14	13	493

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE

DATE RECEIVED: AUG 22 1990 **DATE REPORT MAILED:** Aug 29/90. **SIGNED BY.** C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Inco Expl. & Tech. Services PROJECT BC 90-01 File # 90-3930 Page 1 90-2

P.O. Box 12134, 512 - 808, Vancouver BC V6Z 2H2

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
75294	2	12	2	25	.3	113	9	752	1.70	10	5	ND	1	784	.5	2	2	23	19.18	.038	4	106	7.35	195	.03	9	1.14	.02	.09	2	2
75295	1	9	2	26	.4	1548	70	514	3.82	4	5	ND	1	80	.2	2	2	22	2.19	.005	2	776	19.22	33	.01	160	.64	.01	.03	1	18
75296	1	16	2	25	.2	879	48	796	2.83	11	5	ND	1	468	.3	2	2	34	7.60	.017	2	628	9.40	35	.01	26	.93	.01	.02	1	15
75297	1	2	2	27	.3	1641	72	474	4.41	7	5	ND	1	76	.2	2	2	16	1.10	.005	2	780	19.74	8	.01	79	.21	.01	.03	1	8
75298	1	1	2	29	.3	1848	79	603	4.68	8	5	ND	1	8	.2	3	2	15	.06	.005	2	830	23.29	2	.01	81	.15	.01	.03	1	6
75298A	1	1	2	28	.3	1761	77	876	4.52	2	5	ND	1	24	.2	2	2	14	.21	.004	2	797	22.99	6	.01	81	.15	.01	.03	1	15
75299	1	3	2	30	.3	1776	79	646	4.64	2	5	ND	1	9	.3	2	2	15	.17	.004	2	762	22.76	5	.01	88	.16	.01	.03	1	14
75300	1	6	3	28	.1	1712	75	724	4.47	2	5	ND	1	14	.2	2	2	15	.36	.004	2	760	22.20	5	.01	83	.16	.01	.02	1	5
75301	1	1	2	25	.2	1643	75	997	4.40	5	5	ND	1	7	.2	2	2	14	.20	.004	2	730	22.40	3	.01	85	.16	.01	.03	1	8
75302	1	5	3	26	.3	1610	73	835	4.25	7	5	ND	2	5	.5	2	2	14	.27	.003	2	728	21.56	2	.01	90	.15	.01	.04	1	1
75303	1	8	2	30	.2	1739	78	695	4.63	2	5	ND	1	4	.2	2	2	16	.07	.004	2	820	23.05	3	.01	89	.17	.01	.03	1	7
75304	1	11	2	27	.3	1698	75	702	4.51	7	5	ND	1	3	.3	2	2	14	.12	.003	2	742	22.24	1	.01	83	.13	.01	.03	1	1
75305	1	5	2	28	.2	1756	78	673	4.52	2	5	ND	1	3	.2	2	2	12	.11	.003	2	705	23.24	1	.01	92	.13	.01	.03	1	2
75306	1	26	2	30	.2	1770	77	710	4.39	2	5	ND	1	2	.2	2	2	17	.06	.005	2	959	23.24	1	.01	86	.18	.01	.03	1	6
75307	1	25	2	29	.2	1807	78	554	4.53	2	5	ND	1	3	.2	2	2	14	.20	.004	2	792	22.50	1	.01	96	.15	.01	.03	1	6
75308	1	5	2	29	.2	1797	77	676	4.60	2	5	ND	1	3	.3	2	2	14	.21	.004	2	745	22.61	1	.01	99	.14	.01	.03	1	3
75309	1	15	2	31	.3	1782	78	697	4.54	3	5	ND	1	5	.4	3	2	14	.44	.004	2	742	22.63	2	.01	103	.14	.01	.02	1	4
75310	1	5	2	27	.1	1681	76	747	4.44	2	5	ND	1	4	.4	2	2	13	.69	.003	2	700	22.13	1	.01	96	.13	.01	.02	1	3
75311	1	3	4	34	.2	1715	76	688	4.48	5	5	ND	1	4	.2	2	2	17	.54	.004	2	815	22.30	6	.01	106	.16	.01	.03	1	4
75312	1	1	6	31	.1	1807	78	682	4.56	2	5	ND	1	4	.2	2	4	14	.30	.004	2	643	23.57	6	.01	107	.14	.01	.02	1	7
75313	1	6	2	26	.1	1734	75	668	4.37	2	5	ND	2	5	.2	2	2	12	.60	.003	2	631	22.83	3	.01	94	.11	.01	.03	1	1
75314	1	14	3	28	.1	1783	78	707	4.55	3	5	ND	1	5	.2	2	2	13	.61	.003	2	761	22.67	3	.01	91	.14	.01	.02	1	5
75315	1	4	2	27	.1	1746	77	642	4.32	2	5	ND	1	4	.2	2	2	10	.26	.004	2	525	23.35	2	.01	96	.10	.01	.02	1	3
75316	1	3	3	28	.1	1846	79	724	4.54	3	5	ND	1	4	.2	2	2	11	.39	.003	2	549	23.23	3	.01	94	.12	.01	.02	1	1
75317	1	6	3	31	.1	1673	81	925	5.02	2	5	ND	1	3	.3	3	2	17	.28	.003	2	859	23.00	2	.01	81	.16	.01	.03	1	3
75318	1	5	2	31	.1	1836	79	651	4.65	2	5	ND	1	4	.3	2	4	14	.29	.004	2	718	23.32	3	.01	93	.13	.01	.02	1	4
75319	1	17	8	32	.1	1744	79	761	4.77	6	5	ND	1	3	.2	3	2	13	.24	.005	2	632	23.45	3	.01	82	.13	.01	.02	1	1
75320	1	17	3	32	.1	1885	79	639	4.54	3	5	ND	1	3	.2	3	2	15	.21	.004	2	816	23.80	3	.01	77	.13	.01	.02	1	5
75321	1	10	2	30	.1	1780	79	780	4.65	6	5	ND	1	2	.2	2	2	13	.27	.004	2	744	23.77	2	.01	76	.13	.01	.02	1	1
75322	1	9	5	30	.1	1794	81	769	4.75	2	5	ND	1	2	.2	2	2	13	.12	.004	2	704	24.13	2	.01	76	.13	.01	.01	1	1
75323	1	13	2	30	.1	1750	77	685	4.52	4	5	ND	1	1	.2	2	2	13	.20	.005	2	638	22.79	1	.01	70	.11	.01	.02	1	4
75324	1	10	4	30	.1	1790	75	682	4.15	2	5	ND	1	1	.2	2	2	11	.15	.004	2	572	22.45	1	.01	73	.10	.01	.02	1	3
75325	1	15	3	30	.1	1785	79	653	4.68	2	5	ND	1	2	.2	2	2	12	.24	.004	2	600	22.81	2	.01	71	.11	.01	.03	1	1
75326	1	15	5	30	.1	1688	75	856	4.40	2	5	ND	1	4	.2	2	2	12	.35	.004	2	560	23.02	4	.01	74	.11	.01	.03	1	4
75327	1	9	2	26	.1	1590	71	792	4.12	3	5	ND	1	3	.3	2	2	11	.48	.004	2	512	22.69	2	.01	66	.11	.01	.02	1	6
75328	1	13	2	26	.1	1701	75	671	4.37	2	5	ND	1	1	.2	2	2	14	.30	.004	2	767	21.93	1	.01	60	.15	.01	.02		*
STANDARD C/AU-R	20	63	43	133	7.1	70	32	1049	3.97	44	20	7	40	53	19.3	14	20	60	.51	.095	42	61	.90	183	.09	37	1.90	.06	.1		

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU** ANALYSIS BY FA\ICP FROM 10 GM SAMPLE.

DATE RECEIVED: AUG 28 1990 DATE REPORT MAILED: Sept 4/90. SIGNED BY ..... D.TOYE, C.LEONG, J.V

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
75329	1	7	2	24	.1	1798	72	768	4.43	2	5	ND	1	1	.2	3	2	12	.35	.004	2	603	21.67	1	.01	71	.12	.01	.01	1	4
75330	1	7	5	25	.1	1787	71	724	4.14	2	5	ND	1	1	.2	2	2	12	.26	.005	2	702	21.68	1	.01	63	.11	.01	.01	1	7
75331	1	6	3	26	.1	1766	70	574	4.04	2	5	ND	1	1	.2	2	6	14	.24	.003	2	693	20.90	1	.01	69	.12	.01	.01	1	2
75332	2	10	2	32	.1	1958	76	588	4.47	2	5	ND	1	2	.2	2	2	13	.19	.003	2	631	21.99	1	.01	75	.12	.02	.01	1	3
75333	1	8	3	30	.1	1858	74	617	4.58	3	5	ND	1	3	.2	2	2	12	.30	.004	2	544	21.55	1	.01	70	.11	.03	.01	1	1
75334	21	932	12	189	11.3	1969	181	678	4.79	2	5	ND	1	5	.2	2	2	14	.31	.005	2	788	21.98	1	.01	79	.10	.02	.01	68	1
75335	1	14	2	28	.1	1874	77	493	4.77	3	5	ND	1	1	.2	2	5	10	.15	.005	2	495	21.48	1	.01	70	.08	.01	.01	1	3
75336	1	7	5	27	.1	1577	62	1031	3.95	3	5	ND	1	22	.2	2	2	9	.75	.005	2	382	22.47	6	.01	75	.07	.01	.01	1	9
75337	1	25	8	27	.1	1761	70	484	4.20	2	5	ND	1	4	.2	2	2	17	.10	.005	2	666	21.23	2	.01	105	.29	.02	.01	1	3
75338	2	11	2	32	.1	1643	66	484	4.19	3	5	ND	1	3	.2	2	2	21	.04	.004	2	682	20.78	2	.01	98	.44	.01	.01	1	3
STANDARD C/AU-R	18	58	42	135	7.1	73	31	1053	3.97	40	20	6	39	52	18.5	15	21	57	.51	.097	39	60	.89	182	.08	38	1.89	.06	.14	11	498

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

DDH 90-2

Inco Expl. & Tech. Services PROJECT BC 90-01 File # 90-4025

P.O. Box 12134, 512 - 808, Vancouver BC V6Z 2H2

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
75339	1	19	6	26	.1	991	47	1120	4.07	3	5	ND	1	355	.2	2	2	28	8.38	.010	2	764	9.27	16	.01	19	.87	.01	.01	1	4
75340	1	50	5	65	.1	892	49	1186	5.21	43	5	ND	1	643	.2	4	2	81	6.36	.058	11	528	8.59	15	.01	4	2.41	.01	.01	1	19
75341	1	95	2	34	.1	887	54	941	3.58	449	5	ND	1	1303	.2	150	2	45	7.61	.004	2	355	7.32	51	.01	7	1.22	.01	.01	1	19
75342	1	13	2	16	.2	469	34	682	2.92	900	6	ND	1	1149	.2	50	2	11	6.76	.003	2	102	7.34	22	.01	5	.06	.01	.02	1	22
75343	2	44	6	41	.1	310	24	1058	6.26	406	5	ND	1	688	.2	30	2	18	8.00	.021	2	24	4.67	34	.01	2	.52	.01	.09	1	249
75344	1	111	5	68	.1	80	11	707	2.64	52	5	ND	1	453	.2	17	6	9	4.32	.050	4	13	2.32	72	.01	5	.51	.01	.13	1	30
75345	1	121	6	83	.3	74	13	804	2.45	65	6	ND	1	346	.2	19	2	13	4.27	.061	5	25	2.10	82	.01	7	.60	.01	.16	1	18
75346	2	48	7	72	.5	55	8	608	2.06	223	7	ND	2	243	.2	20	4	7	4.06	.057	7	12	2.01	38	.01	6	.37	.01	.16	1	72
75347	1	46	2	23	.1	1770	72	1045	6.42	325	5	ND	1	1043	.2	166	2	9	13.52	.003	2	234	8.26	33	.01	2	.18	.01	.01	1	35
75348	1	16	2	41	.2	2650	108	1258	5.59	16	5	ND	1	671	.2	14	3	10	14.90	.003	2	385	9.28	46	.01	9	.11	.01	.01	1	6
75349	1	8	3	21	.1	1463	59	538	4.02	10	6	ND	1	428	.2	12	2	11	3.84	.003	2	549	19.94	23	.01	38	.11	.01	.01	1	2
75350	1	5	3	27	.1	1599	67	597	4.70	27	5	ND	1	224	.2	12	2	14	2.14	.003	2	581	21.84	11	.01	61	.18	.01	.01	1	1
75351	1	12	2	24	.1	1671	69	667	4.42	19	5	ND	1	309	.2	3	2	18	2.14	.004	2	573	19.07	27	.01	44	.43	.01	.01	1	1
75352	1	10	2	34	.1	1840	74	754	4.76	8	5	ND	1	35	.2	2	2	16	.54	.004	2	594	23.59	4	.01	55	.19	.01	.01	1	6
75353	1	6	2	24	.1	1822	75	608	4.85	4	5	ND	1	6	.2	2	2	13	.12	.004	2	636	25.11	1	.01	58	.14	.01	.01	1	1
75354	1	7	2	29	.1	1312	59	588	3.59	2	5	ND	1	21	.2	2	2	9	.19	.003	2	451	26.38	6	.01	62	.09	.01	.01	1	4
75355	1	9	2	27	.1	1937	79	650	4.99	3	5	ND	1	8	.2	2	4	12	.16	.003	2	569	25.05	1	.01	64	.12	.01	.01	1	12
75356	1	9	2	31	.1	2032	83	656	4.89	3	5	ND	1	4	.2	2	2	8	.13	.003	2	392	24.34	1	.01	55	.07	.01	.01	1	2
75357	1	9	3	33	.1	1923	78	729	4.96	2	5	ND	1	4	.2	3	2	13	.29	.003	2	650	24.24	4	.01	59	.14	.01	.01	1	1
75358	1	10	2	33	.1	1942	78	595	4.78	2	5	ND	1	4	.2	2	2	14	.21	.003	2	704	24.13	2	.01	56	.15	.01	.01	1	8
STANDARD C/AU-R	19	60	39	132	7.2	69	31	1051	3.96	38	17	7	38	52	18.7	15	21	56	.50	.095	37	60	.88	180	.07	37	1.85	.06	.14	12	506

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU** ANALYSIS BY FA\ICP FROM 10 GM SAMPLE.

DATE RECEIVED: AUG 31 1990 **DATE REPORT MAILED:** Sept 7/90. **SIGNED BY**.....C. Leong.....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Inco Expl. & Tech. Services PROJECT BC 90-01 File # 90-4280 Page 1

P.O. Box 12134, 512 - 808, Vancouver BC V6Z 2H2

90-2

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
75359	1	13	2	31	.2	1859	78	884	4.75	21	5	ND	1	6	.4	2	2	14	.48	.001	2	736	22.47	2	.01	54	.16	.01	.01	3	6
75360	1	7	4	18	.1	1020	43	723	2.49	20	7	ND	1	68	.4	2	5	6	.49	.001	2	319	25.68	23	.01	54	.08	.01	.01	4	6
75361	1	9	4	43	.1	2027	74	550	3.18	2	5	ND	1	5	.2	2	2	7	.07	.001	2	451	21.43	4	.01	67	.09	.01	.01	1	7
75362	1	12	12	26	.2	1895	76	819	4.39	12	8	ND	1	14	.9	2	6	8	.17	.001	2	512	23.64	4	.01	55	.09	.01	.01	4	5
75363	1	19	5	34	.7	2187	80	560	4.23	10	5	ND	3	12	.2	4	2	10	.06	.001	2	496	23.34	11	.01	60	.11	.01	.01	4	1
75364	1	14	4	28	.4	2084	81	719	4.48	3	5	ND	1	38	.2	2	4	8	.29	.002	2	453	22.59	1	.01	55	.09	.01	.01	4	6
75365	1	5	2	33	.2	1638	67	636	3.23	7	5	ND	1	117	.4	2	3	12	.83	.006	2	749	18.06	5	.01	66	.14	.01	.01	1	1
75366	1	1	2	27	.1	1332	55	605	2.81	12	9	ND	1	113	.2	2	2	11	1.30	.002	2	515	15.53	12	.01	63	.11	.01	.01	1	4
75367	1	3	8	28	.5	1390	55	617	2.40	4	5	ND	1	157	.2	2	2	6	.97	.001	2	370	15.61	7	.01	62	.07	.01	.01	1	4
75368	1	1	2	31	.1	1344	53	692	2.44	10	5	ND	1	131	.2	2	2	10	1.03	.001	2	533	15.06	19	.01	64	.12	.01	.01	1	11
75369	1	15	5	28	.5	1813	71	598	3.83	5	5	ND	2	87	.3	2	2	11	.75	.001	2	588	19.12	14	.01	72	.11	.01	.01	1	7
75370	1	17	2	33	.1	1970	75	570	4.13	8	5	ND	1	37	.2	2	2	12	.25	.001	2	678	20.71	2	.01	69	.14	.01	.01	3	6
75371	1	6	2	32	.2	1851	70	698	3.94	6	5	ND	1	81	.2	2	4	13	.79	.001	2	666	20.71	9	.01	77	.14	.01	.01	1	3
75372	1	6	2	31	.2	1743	69	746	3.77	10	5	ND	1	101	.2	2	8	12	1.32	.001	2	614	19.44	5	.01	89	.14	.01	.01	1	3
75373	1	8	2	20	.2	1793	74	917	4.47	1016	5	ND	1	164	.2	74	3	11	3.32	.001	2	333	16.14	14	.01	8	.08	.01	.01	1	202
75374	2	56	2	121	.1	349	41	611	5.60	698	5	ND	2	291	.5	18	6	22	4.57	.065	3	88	4.14	128	.01	16	.81	.01	.11	1	1310
75375	1	140	12	68	.2	72	10	104	1.78	119	5	ND	2	41	.2	37	2	5	.51	.013	4	17	1.01	217	.01	9	.45	.01	.09	2	180
75376	7	175	15	128	.4	73	11	222	2.61	109	5	ND	2	64	.5	44	2	6	.88	.014	5	15	1.05	111	.01	10	.30	.01	.11	1	72
75377	6	87	5	155	.7	133	26	784	5.61	218	5	ND	5	159	.8	24	2	32	3.21	.115	8	45	2.85	84	.01	12	.46	.01	.15	1	76
75378	5	56	4	105	.1	136	27	957	5.54	271	5	ND	2	209	.2	19	5	35	4.14	.084	5	47	3.25	89	.01	11	.40	.01	.12	1	120
75379	20	51	6	108	.2	51	11	692	2.46	80	5	ND	4	206	1.3	28	2	20	7.86	.319	14	16	3.28	66	.01	11	.43	.01	.12	1	63
75380	6	15	4	77	.3	30	5	265	1.44	28	5	ND	4	233	.8	12	4	17	5.37	.779	5	21	1.86	142	.01	15	.29	.01	.08	1	38
75381	8	71	5	138	.2	118	25	657	5.41	287	5	ND	5	213	1.2	29	4	28	5.96	.148	11	40	2.93	99	.01	12	.68	.01	.16	1	156
75382	21	73	9	225	.6	62	16	391	4.06	168	5	ND	3	155	1.6	33	6	24	2.33	.123	5	17	1.52	46	.01	13	.70	.01	.19	1	268
75383	18	67	9	179	.4	150	29	645	5.77	287	5	ND	3	200	1.7	37	11	34	3.34	.121	6	38	2.42	81	.01	11	.57	.01	.16	2	209
75384	24	74	14	233	.7	77	21	505	4.56	201	5	ND	4	188	2.2	38	2	25	2.92	.091	4	17	1.87	35	.01	6	.55	.01	.15	1	491
75385	4	32	8	67	.1	94	14	388	2.72	147	5	ND	1	197	.7	14	6	13	2.85	.023	2	31	1.71	114	.01	8	.26	.01	.10	1	112
75386	28	80	11	244	.6	56	14	265	3.36	149	5	ND	3	108	2.3	29	2	20	1.58	.104	4	8	.85	40	.01	8	.59	.01	.17	1	263
75387	10	36	9	120	.2	50	9	288	2.38	79	5	ND	1	118	1.0	23	2	9	2.25	.034	2	13	1.00	63	.01	7	.27	.01	.09	1	136
75388	27	69	13	279	.4	46	12	298	3.27	121	5	ND	3	123	2.7	34	3	21	1.91	.126	4	7	.85	35	.01	11	.54	.02	.18	1	203
75389	31	77	19	253	.5	53	13	262	2.96	92	5	ND	2	98	2.6	30	2	22	1.37	.130	4	12	.83	38	.01	12	.57	.01	.18	1	120
75390	27	49	8	169	.5	38	12	793	2.85	75	5	ND	5	177	1.3	31	2	21	4.10	.097	3	9	1.84	68	.01	9	.48	.01	.14	1	126
75391	23	64	12	225	.5	96	17	497	3.84	317	5	ND	2	255	2.8	41	2	25	3.96	.075	3	15	1.79	50	.01	6	.42	.02	.13	1	667
75392	14	57	9	142	.6	62	14	534	3.67	204	5	ND	4	282	1.2	30	2	21	4.70	.129	3	11	2.12	62	.01	7	.46	.01	.15	1	412
75393	14	74	11	120	.1	38	12	342	2.76	178	5	ND	1	136	.6	24	4	9	2.46	.068	3	6	1.12	55	.01	13	.49	.01	.16	1	419
75394	5	50	2	82	.3	34	11	466	2.65	167	5	ND	5	222	1.3	18	2	19	5.83	.467	6	11	2.19	83	.01	14	.56	.01	.17	1	248
STANDARD C/AU-R	20	59	37	132	6.8	73	32	1052	3.97	40	18	6	37	55	19.6	19	23	57	.52	.096	39	60	.90	180	.08	37	1.89	.06	.14	11	508

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU** ANALYSIS BY FA\ICP FROM 10 GM SAMPLE.

DATE RECEIVED: SEP 10 1990 DATE REPORT MAILED: Sept 19/90 SIGNED BY. D. Toye .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
75395	6	29	3	91	.4	86	53	513	2.64	152	5	ND	1	606	1.1	22	2	42	21.79	1.890	7	44	1.56	101	.01	15	.46	.01	.14	1	88
75396	15	48	9	147	.4	57	13	435	3.22	145	5	ND	2	194	1.2	37	2	15	5.30	.123	3	10	1.72	84	.01	8	.35	.01	.10	1	232
75397	15	40	6	193	.4	72	14	497	3.56	152	5	ND	2	180	1.7	33	2	24	4.92	.223	4	18	1.94	92	.01	9	.47	.01	.13	1	131
75398	4	57	3	114	.3	74	13	444	3.88	217	5	ND	1	182	.5	24	2	14	4.18	.066	5	21	1.82	162	.01	5	.29	.01	.10	1	144
75399	28	70	14	259	.7	44	10	426	2.99	121	5	ND	3	166	2.2	37	2	19	2.82	.121	4	17	1.21	57	.01	11	.44	.01	.15	1	150
75400	24	53	8	150	.2	33	9	377	2.62	70	5	ND	2	138	.8	31	2	14	2.25	.073	3	6	1.10	85	.01	7	.45	.01	.11	1	86
75401	16	53	10	168	.3	66	13	444	3.35	162	5	ND	2	150	1.2	32	2	16	3.96	.081	3	14	1.74	96	.01	6	.47	.01	.11	1	116
75402	11	47	6	136	.4	35	8	458	2.81	79	5	ND	2	157	1.1	26	2	11	4.01	.078	3	6	1.71	79	.01	5	.31	.01	.09	1	90
75403	15	52	11	152	.4	68	14	419	3.99	270	5	ND	2	214	1.0	36	2	14	4.47	.090	3	10	1.74	72	.01	4	.30	.01	.09	1	239
75404	9	64	6	137	.4	116	21	619	4.96	504	5	ND	1	196	.8	32	2	26	4.41	.139	6	43	2.40	76	.01	7	.47	.01	.12	1	831
75405	4	51	6	43	.2	28	5	237	1.78	102	5	ND	1	53	.2	14	2	5	1.04	.027	2	12	.67	72	.01	4	.15	.01	.06	1	158
75406	12	44	7	160	.3	97	18	620	4.39	345	5	ND	2	199	.9	29	2	22	4.27	.099	4	24	2.34	103	.01	7	.38	.01	.11	1	295
75407	3	54	2	104	.2	202	29	869	6.00	348	5	ND	1	268	.5	24	2	34	4.66	.122	8	55	4.15	158	.01	5	.37	.01	.10	1	385
75408	5	53	2	97	.2	172	24	774	4.98	246	5	ND	1	210	.2	26	2	28	4.01	.116	7	64	3.35	171	.01	5	.37	.01	.11	1	153
75409	2	69	2	86	.1	204	31	854	5.47	293	5	ND	1	242	.3	38	2	37	4.67	.084	7	85	3.45	181	.01	5	.39	.01	.09	1	68
75410	18	88	13	189	.6	76	14	481	3.49	135	5	ND	3	155	1.0	30	2	13	2.81	.047	3	12	1.38	57	.01	4	.44	.01	.12	1	199
75411	4	58	4	66	.2	33	8	434	2.06	112	5	ND	2	130	.2	23	2	8	3.15	.087	3	10	1.12	117	.01	5	.24	.01	.06	1	110
75412	2	80	5	67	.2	30	10	800	3.22	196	5	ND	1	227	.2	28	2	20	5.28	.231	4	15	1.90	126	.01	5	.49	.02	.07	1	205
75413	2	82	4	68	.3	54	13	798	3.76	240	5	ND	1	258	.2	22	2	23	5.26	.064	3	28	2.46	101	.01	3	.52	.02	.07	1	215
75414	1	80	2	68	.2	239	35	837	5.61	368	5	ND	1	370	.4	37	2	51	5.99	.080	8	88	3.93	133	.01	3	.44	.02	.07	1	26
75415	5	60	4	63	.2	93	15	614	3.63	218	5	ND	1	231	.2	22	2	24	4.37	.057	4	35	2.44	90	.01	3	.38	.01	.06	1	103
75416	1	91	3	67	.1	234	38	760	6.32	198	5	ND	2	269	.3	66	2	59	5.04	.088	11	113	4.01	116	.01	2	.54	.02	.07	1	19
75417	1	80	2	82	.3	210	36	808	6.24	283	5	ND	1	305	.3	36	2	56	5.13	.081	9	111	3.95	132	.01	4	.63	.02	.09	1	71
75418	1	90	2	80	.1	158	34	762	6.61	120	5	ND	1	216	.3	27	2	79	4.03	.093	13	112	3.56	116	.01	2	.61	.03	.07	1	4
75419	1	77	2	87	.2	176	33	769	6.13	300	5	ND	1	298	.4	33	2	56	4.82	.069	7	72	3.69	109	.01	3	.38	.02	.05	1	125
75420	1	83	2	83	.1	220	38	738	6.65	116	5	ND	2	195	.2	30	2	61	3.81	.093	14	102	3.84	110	.01	3	.62	.02	.08	1	9
75421	1	77	2	101	.1	274	40	727	6.87	135	5	ND	1	156	.4	16	2	55	2.68	.100	14	183	4.65	122	.01	5	1.12	.02	.07	1	14
75422	1	77	2	105	.1	273	38	770	6.82	345	5	ND	1	257	.5	41	2	39	3.85	.067	10	116	4.57	128	.01	3	.46	.01	.09	1	76
75423	1	66	3	87	.1	237	36	1068	6.18	129	5	ND	1	277	.2	43	2	39	4.88	.090	13	107	4.19	103	.01	2	.43	.02	.09	1	13
75424	1	85	4	77	.1	196	37	851	6.21	255	5	ND	1	233	.2	40	2	52	4.53	.089	12	100	3.96	127	.01	3	.42	.02	.08	1	12
75425	1	84	2	81	.2	176	32	717	5.89	296	5	ND	2	227	.3	32	2	46	4.63	.083	8	70	3.54	146	.01	4	.42	.02	.09	1	76
75426	11	53	9	115	.4	110	14	623	3.27	196	5	ND	3	311	.4	28	2	17	4.87	.095	4	24	2.33	135	.01	5	.44	.01	.10	1	108
75427	17	51	12	132	.3	93	14	468	3.58	172	5	ND	2	216	.7	34	2	15	3.57	.044	3	15	1.82	70	.01	4	.48	.01	.09	1	154
75428	19	53	17	187	.5	89	15	415	4.02	215	5	ND	3	220	.8	37	2	15	3.34	.066	4	14	1.73	40	.01	6	.47	.01	.11	1	278
75429	1	89	3	76	.1	201	32	665	5.69	635	5	ND	2	293	.3	39	2	50	5.59	.095	6	62	3.34	216	.01	6	.40	.02	.09	1	294
75430	1	79	2	71	.1	240	40	730	5.94	504	5	ND	1	295	.2	31	2	48	5.43	.089	7	92	3.86	249	.01	3	.51	.01	.08	1	205
STANDARD C/AU-R	19	59	41	131	7.1	72	31	1050	3.98	40	21	7	40	52	19.5	15	21	58	.52	.096	39	59	.91	183	.09	36	1.91	.06	.14	13	504

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
75431	2	73	5	89	.5	60	13	506	3.49	259	5	ND	1	199	.4	30	2	12	3.66	.054	2	18	2.05	121	.01	5	.23	.01	.07	1	176
75432	5	31	5	45	.2	30	6	201	1.58	82	5	ND	1	80	.2	13	2	5	1.74	.020	2	45	.68	129	.01	5	.11	.01	.05	2	48
75433	4	61	5	99	.5	86	24	640	5.49	195	5	ND	1	184	.3	31	3	38	4.12	.268	8	40	3.37	176	.01	8	.52	.01	.13	1	136
75434	8	334	42	260	.5	236	8	201	2.13	84	5	ND	1	64	1.2	41	2	10	1.58	.020	3	23	1.13	208	.01	4	.35	.01	.09	1	70
75435	3	77	5	54	.4	30	5	169	1.40	37	5	ND	1	51	.2	22	2	4	.73	.020	2	19	.65	175	.01	4	.15	.01	.06	1	32
75436	23	74	13	245	.7	83	20	486	4.97	157	5	ND	1	124	1.3	43	2	24	2.54	.079	4	39	2.05	90	.01	5	.35	.01	.11	1	113
75437	9	57	8	144	.5	97	26	715	5.81	159	5	ND	1	178	.8	34	2	28	3.89	.105	6	38	3.15	209	.01	7	.33	.01	.10	1	63
75438	2	71	4	104	.4	145	32	914	7.02	174	5	ND	1	169	.6	32	4	37	3.97	.128	8	61	4.35	305	.01	7	.34	.02	.10	1	11
75439	31	69	18	116	.4	70	22	404	4.89	80	5	ND	2	82	.4	36	2	14	1.65	.086	5	26	1.63	53	.01	5	.37	.01	.13	1	28
75440	10	69	23	161	.3	48	15	242	3.59	54	5	ND	3	68	.8	32	2	8	.92	.070	4	24	.77	39	.01	4	.39	.01	.13	1	54
75441	1	55	2	110	.4	101	28	875	6.67	52	5	ND	1	128	.3	34	2	33	3.49	.117	12	48	4.14	254	.01	7	.37	.01	.11	1	11
75442	1	50	2	112	.3	112	31	890	7.42	204	5	ND	1	166	.4	23	2	39	4.33	.158	11	48	4.82	218	.01	8	.50	.01	.11	1	60
75443	1	56	6	122	.3	114	34	773	7.85	444	5	ND	1	168	.6	24	2	33	3.68	.133	10	40	4.38	212	.01	6	.45	.01	.12	1	162
75444	4	49	2	41	.3	34	8	248	1.78	226	5	ND	1	116	.5	16	2	6	2.24	.023	2	39	1.00	94	.01	4	.14	.01	.04	1	186
75445	5	51	11	111	.5	259	30	731	5.55	929	9	ND	1	378	.6	40	4	22	8.14	.051	2	28	4.36	137	.01	5	.29	.01	.08	1	707
75446	3	72	6	106	.6	100	27	731	6.01	963	9	ND	1	327	.6	37	2	21	6.86	.036	2	15	3.65	113	.01	4	.27	.01	.08	1	1207
75447	2	48	8	81	.4	184	30	768	6.03	579	6	ND	1	353	.6	31	2	26	7.07	.072	3	39	5.80	125	.01	3	.29	.01	.10	1	550
75448	1	49	5	95	.3	90	29	1363	6.48	166	5	ND	1	148	.6	21	4	17	4.33	.091	7	44	4.65	166	.01	4	.40	.02	.13	1	78
75449	1	55	5	96	.4	140	29	791	6.18	239	5	ND	1	178	.5	20	2	34	3.93	.118	14	54	6.16	156	.01	5	.39	.01	.11	2	64
75450	1	38	3	96	.4	126	24	694	4.49	219	5	ND	1	195	.4	19	2	24	5.21	.153	15	37	4.80	139	.01	4	.41	.01	.11	1	47
75451	1	2	2	38	.2	7	1	972	1.79	11	5	ND	1	234	1.1	2	3	9	20.27	.273	8	17	9.07	36	.01	3	.08	.01	.01	1	3
75452	2	22	6	67	.3	66	14	706	3.20	147	10	ND	1	264	.5	11	2	22	9.82	.481	13	50	5.18	117	.01	7	.73	.01	.08	1	93
75453	2	55	4	109	.4	205	31	710	5.49	420	9	ND	1	217	.2	20	2	37	6.27	.150	9	61	5.28	117	.01	5	.87	.01	.09	1	164
75454	3	14	3	28	.1	33	5	167	1.07	85	5	ND	1	38	.3	6	2	4	.98	.020	2	16	.49	94	.01	4	.12	.01	.04	1	39
75455	1	16	9	37	.1	19	4	297	1.70	144	6	ND	1	101	.2	8	2	4	4.08	.041	2	12	1.83	60	.01	4	.15	.01	.04	2	101
75456	1	62	9	88	.5	39	29	1221	6.79	117	5	ND	1	153	.5	19	2	19	4.90	.096	4	26	3.68	128	.01	6	.50	.01	.13	1	52
75457	1	36	12	73	.3	41	25	917	6.09	178	5	ND	1	164	.4	15	2	22	5.70	.155	7	25	3.70	132	.01	5	.58	.01	.13	1	99
75458	1	39	2	78	.3	30	27	1117	6.73	967	5	ND	1	201	.6	17	2	34	6.51	.252	7	27	3.72	171	.01	6	.59	.02	.15	1	347
75459	1	32	2	75	.2	30	27	1141	6.88	704	5	ND	1	168	.6	13	6	49	6.53	.273	8	33	3.53	144	.01	5	.50	.02	.13	1	280
75460	1	28	5	77	.3	31	28	1184	5.63	1318	5	ND	1	335	.4	18	3	65	11.08	.932	7	29	3.52	203	.01	11	.52	.02	.14	1	805
75461	1	38	5	124	.2	54	28	934	6.28	461	5	ND	1	180	.2	18	2	36	5.26	.195	6	31	3.13	159	.01	7	.49	.02	.15	1	437
75462	1	76	8	139	.4	51	32	1167	6.67	825	5	ND	1	206	.4	30	4	23	4.96	.172	5	24	2.90	182	.01	9	.49	.02	.15	1	463
75463	1	56	2	77	.2	33	27	978	6.65	701	5	ND	1	192	.7	23	2	34	6.16	.336	6	29	3.05	197	.01	6	.55	.02	.15	1	313
75464	1	59	8	86	.5	80	30	967	6.95	1555	5	ND	1	292	.5	34	2	41	6.82	.293	3	34	3.64	133	.01	9	.45	.02	.13	1	2147
75465	1	78	7	136	.4	70	28	1086	8.19	726	5	ND	1	229	.4	41	2	36	5.92	.450	14	24	3.56	192	.01	12	.63	.02	.20	1	1745
75466	1	47	7	113	.1	99	31	948	8.06	130	5	ND	1	128	.5	21	3	34	4.13	.224	23	41	4.63	161	.01	5	.49	.02	.15	1	98
STANDARD C/AU-R	19	60	38	131	7.2	72	31	1055	3.98	41	17	7	39	53	18.6	15	21	55	.52	.098	38	60	.90	181	.07	34	1.89	.06	.14	12	509

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
75467	1	54	2	107	.1	151	34	959	6.93	153	5	ND	1	143	.3	22	2	50	4.45	.185	19	83	4.31	161	.01	6	.48	.02	.15	1	7
75468	1	53	2	104	.1	164	34	891	6.88	93	5	ND	1	119	.5	13	2	52	4.16	.171	17	87	4.26	180	.01	5	.55	.02	.15	1	8
75469	1	44	2	96	.1	166	31	941	6.22	235	5	ND	1	154	.2	20	2	41	4.87	.171	13	65	4.03	204	.01	7	.47	.02	.15	1	99
75470	4	39	4	94	.2	153	29	809	5.79	323	5	ND	2	220	.4	20	2	39	5.27	.106	9	57	3.91	162	.01	5	.39	.01	.14	1	226
75471	10	45	10	117	.2	81	23	751	5.02	313	5	ND	2	286	.3	29	2	24	6.13	.102	4	21	2.94	74	.01	5	.41	.01	.12	1	535
75472	1	64	2	96	.1	149	36	843	6.73	178	5	ND	1	187	.5	25	2	59	4.83	.147	15	89	4.38	191	.01	5	.64	.02	.14	1	45
75473	1	51	2	86	.1	118	30	902	5.97	43	5	ND	1	245	.5	6	2	49	6.95	.163	15	86	3.74	123	.01	3	1.00	.02	.12	1	1
75474	2	65	5	109	.2	140	29	673	5.95	257	5	ND	1	153	.6	31	2	35	4.49	.120	8	68	2.95	129	.01	4	.56	.02	.11	1	67
75475	1	119	2	117	.2	130	33	831	6.62	360	5	ND	1	196	.4	50	2	30	4.56	.108	6	45	3.49	164	.01	7	.40	.02	.11	1	200
75476	2	73	6	101	.1	90	30	840	5.30	218	5	ND	2	300	.3	19	2	41	5.95	.236	17	48	3.20	224	.01	8	.57	.02	.16	1	65
75477	1	32	3	116	.2	49	23	1063	5.90	106	5	ND	2	175	.4	8	2	38	4.64	.234	24	21	3.17	167	.01	4	.61	.02	.16	1	84
75478	4	30	4	51	.1	31	6	190	1.64	67	5	ND	1	51	.2	9	2	6	1.32	.020	2	15	.60	108	.01	4	.20	.01	.07	2	42
75479	4	34	6	60	.2	37	9	293	2.23	79	5	ND	1	57	.2	17	2	9	1.32	.038	4	16	.96	122	.01	5	.21	.01	.08	1	92
75480	6	56	5	131	.3	85	25	794	5.93	290	5	ND	2	183	.7	25	2	32	3.95	.163	8	35	2.84	96	.01	9	.51	.01	.17	1	228
75481	10	61	10	151	.5	58	16	464	4.09	171	5	ND	2	136	.7	30	2	20	2.68	.093	4	12	1.55	36	.01	7	.46	.01	.15	1	183
75482	12	60	9	146	.6	122	23	627	4.95	307	5	ND	2	193	.6	31	2	27	3.29	.096	4	32	2.59	67	.01	6	.47	.01	.14	1	242
75483	5	65	4	92	.4	86	18	702	3.97	245	5	ND	2	163	.2	32	2	19	3.64	.088	3	29	2.29	133	.01	5	.35	.01	.12	1	153
75484	4	47	3	115	.2	111	29	913	6.16	277	5	ND	2	210	.6	24	2	30	4.23	.156	8	40	3.25	218	.01	5	.47	.01	.15	1	159
75485	1	42	2	115	.1	103	30	986	6.78	288	5	ND	1	233	.6	22	2	38	4.67	.215	13	36	3.49	260	.01	7	.55	.02	.16	1	103
75486	5	36	4	118	.2	58	19	692	5.43	227	5	ND	2	250	.5	15	2	23	4.11	.201	6	13	2.42	130	.01	7	.64	.01	.18	1	170
75487	3	34	7	75	.2	99	16	421	3.14	154	5	ND	1	160	.2	15	2	13	2.58	.042	3	24	1.63	149	.01	6	.34	.01	.09	1	150
STANDARD C/AU-R	18	61	40	131	6.9	71	31	1050	3.98	39	20	6	39	53	19.7	15	21	57	.52	.096	38	58	.91	181	.09	36	1.91	.06	.13	13	477

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Inco Expl. & Tech. Services PROJECT BC 90-01 File # 90-4525 Page 1 90-2

P.O. Box 12134, 512 - 808, Vancouver BC V6Z 2H2

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
75011	18	66	16	230	.5	71	21	686	6.15	154	5	ND	1	185	1.7	38	3	23	3.23	.074	2	15	2.34	63	.01	9	.37	.01	.12	1	319
75012	2	74	9	290	.6	122	34	1134	9.42	210	5	ND	1	289	.7	28	2	25	4.72	.060	2	27	3.91	137	.01	12	.31	.01	.09	1	47
75013	4	72	3	177	.6	92	31	1203	8.25	193	5	ND	1	281	.6	23	2	20	5.26	.162	2	29	3.28	164	.01	12	.47	.01	.11	1	96
75014	12	63	11	194	.4	81	17	528	5.02	121	5	ND	1	181	1.3	31	2	14	2.57	.050	2	13	2.02	130	.01	9	.31	.01	.10	2	119
75015	35	80	16	398	.7	64	13	318	3.68	44	5	ND	5	98	4.3	32	3	23	1.35	.081	6	10	.87	25	.01	8	.47	.01	.17	1	62
75016	17	54	13	140	.3	163	16	493	3.23	23	5	ND	4	129	1.3	16	2	21	2.42	.047	4	82	1.96	56	.01	4	.73	.01	.14	1	15
75017	1	66	8	60	.4	635	48	1005	6.36	4	5	ND	1	169	.3	2	3	96	3.09	.048	4	459	6.31	299	.01	11	2.77	.01	.04	1	2
75018	3	87	7	168	.7	190	31	792	8.64	20	5	ND	1	166	.8	10	2	127	4.01	.096	11	232	4.33	105	.04	12	3.42	.01	.08	1	6
75019	2	45	8	133	.6	93	17	372	6.17	2	6	ND	1	208	1.2	5	2	84	4.24	.089	11	139	2.04	62	.10	8	1.96	.02	.14	1	2
75020	3	69	9	126	.8	131	26	587	7.83	7	6	ND	1	151	2.0	7	6	126	3.12	.091	12	182	3.50	146	.28	17	2.86	.02	.16	2	1
75021	16	86	20	175	1.1	106	20	541	5.57	13	5	ND	2	119	1.4	7	2	81	2.88	.117	16	125	2.68	28	.01	12	2.29	.01	.14	1	13
75022	17	100	8	240	1.7	53	6	220	2.11	9	5	ND	2	160	1.6	5	2	27	3.03	.066	5	25	.80	51	.01	8	.79	.01	.13	1	10
75023	7	79	8	128	.8	284	27	742	5.35	6	5	ND	1	287	1.3	2	2	77	5.00	.119	9	266	4.19	108	.01	10	2.56	.01	.09	1	11
75024	1	29	2	21	.3	1010	52	572	4.13	2	5	ND	1	76	.6	2	2	39	1.45	.011	2	353	8.81	48	.01	7	1.05	.01	.01	1	1
75025	2	39	2	34	.3	941	49	794	4.86	3	5	ND	1	85	.7	2	2	51	2.19	.016	2	457	8.95	29	.01	18	1.69	.01	.01	1	5
75270	1	45	5	39	.5	836	42	558	4.22	3	5	ND	1	188	1.0	2	2	37	4.09	.044	3	190	5.92	83	.03	18	1.23	.01	.03	1	1
75271	1	73	3	77	.5	31	13	604	4.21	3	6	ND	1	465	1.7	8	2	57	9.47	.100	5	55	1.62	98	.14	8	1.81	.02	.07	1	6
75272	1	76	4	78	.7	27	12	582	4.01	8	6	ND	1	460	1.5	9	2	71	9.15	.104	7	55	1.55	74	.11	8	1.97	.03	.05	1	5
75273	1	61	5	61	.4	38	16	755	5.16	8	6	ND	1	474	1.0	6	2	108	11.12	.088	4	104	2.27	119	.02	10	2.22	.03	.06	1	1
75274	1	66	8	68	.4	42	17	692	5.40	17	6	ND	1	564	.8	9	3	99	10.19	.093	5	99	2.52	41	.01	10	2.19	.02	.07	1	6
75275	1	59	3	58	.4	35	15	616	4.79	5	6	ND	1	649	1.6	8	2	103	10.32	.085	3	69	2.11	204	.16	10	2.00	.02	.07	1	7
75488	5	39	6	80	.4	61	9	315	3.31	119	5	ND	1	86	.5	21	2	9	1.72	.044	2	14	.76	78	.01	4	.23	.02	.06	1	122
75489	5	43	4	101	.4	64	10	433	3.33	183	5	ND	1	120	.8	30	2	14	2.63	.045	2	42	1.00	107	.01	6	.23	.02	.05	1	200
75490	4	65	8	101	.4	64	10	344	3.40	152	5	ND	1	119	.6	38	2	9	1.84	.022	2	17	1.11	89	.01	5	.21	.01	.06	2	164
75491	27	107	21	268	1.2	77	12	292	4.54	96	5	ND	2	101	2.1	62	2	13	1.23	.017	2	5	.73	25	.01	6	.35	.01	.11	1	505
75492	20	110	14	321	1.1	104	11	561	3.58	107	5	ND	2	238	1.8	61	2	25	2.68	.323	3	13	1.24	34	.01	15	.67	.02	.23	1	275
75493	20	82	8	240	.5	79	11	567	3.35	109	5	ND	2	167	1.8	47	2	14	2.20	.013	2	9	1.32	32	.01	8	.22	.01	.09	1	200
75494	19	74	5	214	.5	67	9	527	3.45	150	5	ND	1	193	1.6	43	2	14	2.91	.012	2	10	1.53	58	.01	8	.22	.01	.09	1	184
75495	20	116	8	241	.7	80	12	461	3.75	186	5	ND	1	196	1.6	60	2	14	2.87	.006	2	9	1.47	58	.01	6	.20	.01	.08	2	284
75496	3	57	8	112	.5	101	27	725	8.48	729	6	ND	1	272	.6	28	4	17	4.96	.030	2	14	2.42	92	.01	11	.36	.01	.12	1	2079
75497	1	52	7	118	.5	117	34	985	10.70	747	6	ND	1	311	.3	30	2	23	6.88	.040	2	21	3.08	120	.01	11	.27	.01	.11	1	2041
75498	2	90	4	132	.7	150	37	1087	10.98	688	5	ND	1	304	.4	50	4	23	6.81	.026	2	28	3.09	124	.01	11	.29	.01	.12	1	1606
75499	2	48	5	128	.6	108	29	911	10.48	554	6	ND	1	321	.2	29	2	25	6.98	.060	2	23	3.20	107	.01	11	.28	.01	.10	1	1094
75500	7	50	6	122	.4	84	23	775	7.92	293	6	ND	1	298	.4	31	2	25	5.96	.096	2	18	2.84	109	.01	10	.37	.01	.14	1	378
110651	1	62	3	61	.5	37	16	507	5.16	3	6	ND	1	388	2.0	6	2	115	8.96	.097	4	74	2.08	129	.22	10	2.05	.03	.11	1	20
110652	1	60	2	60	.5	37	16	679	5.27	7	6	ND	1	465	1.7	7	2	114	11.73	.091	4	83	2.13	265	.17	11	2.09	.03	.09	1	5
STANDARD C/AU-R	18	58	40	131	7.0	72	31	1059	3.99	40	16	7	37	53	18.4	15	20	55	.53	.098	37	58	.90	180	.07	37	1.90	.06	.14	11	496

90-2

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU** ANALYSIS BY FA\ICP FROM 10 GM SAMPLE.

DATE RECEIVED: SEP 18 1990 DATE REPORT MAILED: Sept 25/90 SIGNED BY: D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
110653	1	73	7	61	.3	40	14	573	3.89	2	5	ND	1	379	.6	6	2	98	11.32	.082	4	68	1.80	119	.20	11	1.89	.02	.10	1	253
110654	1	83	17	68	.1	35	13	532	3.06	4	5	ND	1	58	.8	3	2	68	2.45	.090	10	49	1.45	109	.20	11	1.89	.04	.12	1	20
110655	1	85	2	69	.2	36	15	623	4.17	2	5	ND	1	144	.7	4	3	106	4.43	.096	7	77	1.91	46	.23	12	2.30	.03	.08	1	1
110656	1	83	5	70	.1	35	15	643	4.23	2	5	ND	1	177	.5	5	2	98	5.05	.100	6	74	1.93	47	.18	9	2.08	.04	.10	1	3
110657	1	79	10	65	.1	41	15	704	4.39	4	5	ND	1	232	.3	7	2	90	6.00	.097	6	81	2.16	51	.01	9	2.07	.03	.10	1	1
110658	1	68	2	74	.1	43	15	684	3.88	29	5	ND	1	276	.2	7	2	30	6.53	.092	6	39	2.03	82	.01	13	.82	.02	.16	1	9

90-32

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Inco Expl. & Tech. Services PROJECT BC 90-01 File # 90-4833 90-7

P.O. Box 12134, 512 - 808, Vancouver BC V6Z 2H2

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
110659	2	644	52	82	1.2	52	15	696	3.40	33	8	ND	2	250	.7	4	5	43	4.62	.070	6	42	2.10	100	.01	2	1.19	.03	.09	1	212
110660	2	113	16	65	.2	74	12	534	2.70	7	5	ND	1	133	.7	2	2	44	2.29	.026	7	67	2.23	104	.01	2	1.56	.02	.06	1	4
110661	5	109	1457	347	.8	224	20	1334	3.39	23	5	ND	2	140	1.6	12	2	48	2.55	.032	7	245	3.42	281	.01	7	2.11	.01	.07	1	3
110662	3	61	9	106	.2	297	31	1071	5.55	8	5	ND	1	351	2.1	2	2	119	6.34	.104	12	325	6.21	34	.01	10	4.27	.01	.03	1	1
110663	2	74	2	105	.1	257	42	1263	7.55	8	5	ND	1	151	2.4	2	3	206	3.64	.066	4	332	5.65	60	.14	11	4.23	.02	.04	1	6
110664	2	95	2	61	.1	767	61	1321	6.63	12	5	ND	1	149	2.6	2	2	138	2.47	.009	2	1046	9.99	23	.01	17	5.32	.01	.01	1	3
110665	2	55	16	43	.1	984	58	946	4.93	11	5	ND	1	133	.6	2	2	127	2.21	.020	2	984	6.69	12	.02	19	2.41	.01	.01	1	3
110666	4	17	2	16	.1	1411	67	919	3.85	12	5	ND	1	92	.5	2	2	28	1.89	.002	2	1379	9.42	29	.01	38	.67	.01	.01	1	1
STANDARD C	18	58	36	131	6.6	67	31	1051	3.95	41	19	7	37	53	17.8	15	19	55	.46	.092	36	56	.90	181	.07	34	1.89	.06	.14	11	-

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU** ANALYSIS BY FA\ICP FROM 10 GM SAMPLE.

DATE RECEIVED: SEP 26 1990 DATE REPORT MAILED: Oct 2/90. SIGNED BY: C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Inco Expl. & Tech. Services PROJECT OB 90-01 File # 90-5099 Page 1

P.O. Box 12134, 512 - 808, Vancouver BC V6Z 2H2 Submitted by: AURUM GEOLOGICAL

DDH 90-3

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
110551	1	89	4	78	.4	20	23	1348	4.79	8	5	ND	6	289	.2	4	2	58	5.33	.125	18	43	1.86	797	.01	2	1.78	.02	.22	1	11
110552	1	72	8	71	.6	14	25	1384	4.81	32	6	ND	6	430	.2	3	2	52	7.00	.132	14	29	2.07	203	.01	4	1.42	.02	.28	1	12
110553	2	90	10	65	.3	11	21	1256	4.56	24	5	ND	5	360	.2	2	2	49	6.60	.122	14	20	2.27	215	.01	4	1.07	.02	.29	1	25
110554	1	99	6	79	.2	18	24	1236	5.01	6	5	ND	3	424	.4	4	2	75	6.64	.131	18	45	2.47	419	.01	2	1.98	.02	.18	1	3
110555	1	93	8	70	.4	16	23	1087	4.89	8	5	ND	5	531	.2	6	4	81	6.92	.125	19	45	2.42	639	.01	4	1.97	.02	.18	1	3
110556	1	85	3	65	.4	14	25	948	4.76	8	6	ND	5	388	.4	6	2	58	5.47	.129	21	35	2.20	256	.01	4	1.27	.02	.22	1	1
110557	1	94	10	76	.1	10	23	1165	3.99	15	5	ND	3	431	.2	2	2	17	5.77	.132	12	7	1.51	224	.01	4	.58	.01	.25	1	11
110558	1	93	8	81	.2	6	23	1429	4.70	56	5	ND	3	413	.2	2	5	18	5.81	.131	11	6	1.53	123	.01	5	.60	.01	.29	1	42
110559	2	105	26	107	.1	11	26	1923	5.05	81	5	ND	3	368	.3	2	2	16	6.00	.121	9	3	1.41	91	.01	7	.50	.01	.26	1	66
110560	2	57	45	129	.2	11	18	1930	4.20	140	5	ND	2	472	.2	7	2	15	7.63	.090	6	4	2.40	69	.01	4	.33	.01	.19	1	145
110561	2	92	48	199	.4	15	26	1993	5.83	93	5	ND	3	354	1.0	3	2	49	7.19	.124	8	24	1.75	81	.01	5	1.65	.01	.29	2	205
110562	1	101	3	101	.2	17	24	1487	5.30	14	5	ND	4	438	.8	3	2	89	7.23	.135	17	50	2.16	95	.01	2	2.42	.02	.24	1	34
110563	1	102	13	74	.3	15	25	1180	5.28	17	5	ND	5	550	.6	5	4	88	6.92	.139	17	46	2.50	236	.01	5	2.44	.02	.24	1	3
110564	1	97	3	83	.1	18	27	1344	6.29	14	9	ND	4	304	.6	2	2	120	5.82	.128	10	60	3.05	56	.01	2	3.31	.02	.10	1	4
110565	4	97	11	79	.1	17	28	1422	5.77	28	5	ND	3	412	.4	2	2	94	7.59	.126	11	50	2.21	87	.01	6	2.68	.02	.17	1	9
110566	1	108	4	82	.1	17	27	1378	6.14	16	5	ND	4	306	1.1	2	7	108	6.74	.126	12	56	2.68	91	.01	2	2.98	.02	.12	1	3
110567	1	99	4	90	.3	17	25	1155	5.91	15	5	ND	4	393	.8	4	5	130	5.99	.133	15	55	3.21	146	.01	5	3.11	.03	.06	1	1
110568	2	100	2	95	.1	17	26	1180	6.05	10	5	ND	3	283	1.1	2	3	120	5.78	.137	17	51	3.02	98	.01	2	3.05	.02	.09	2	2
110569	1	114	8	96	.2	16	26	1226	6.39	19	5	ND	4	190	.7	2	2	141	4.72	.139	13	66	3.07	60	.01	2	3.21	.04	.06	1	5
110570	1	123	4	95	.1	15	28	1322	6.34	17	5	ND	3	192	.3	2	2	142	5.40	.142	13	69	3.07	46	.01	2	3.18	.03	.06	1	3
110571	2	122	3	88	.2	17	27	1318	6.12	22	5	ND	4	238	.7	3	3	127	6.06	.135	11	64	2.69	51	.01	2	2.83	.03	.07	1	4
110572	5	107	11	85	.5	15	26	1331	6.24	20	12	ND	4	262	.6	5	4	129	7.35	.135	12	63	2.66	30	.01	2	2.83	.03	.06	1	3
110573	1	104	7	82	.3	17	26	1217	5.69	15	5	ND	4	294	1.0	3	2	117	6.52	.136	17	58	2.58	194	.01	4	2.66	.03	.11	1	3
110574	1	111	13	79	.1	15	25	1134	5.56	2	5	ND	3	571	.8	2	2	114	6.64	.143	19	56	2.81	543	.01	2	2.71	.03	.15	1	4
110575	1	101	2	78	.1	16	24	1066	5.28	7	5	ND	2	847	1.1	2	2	99	7.41	.136	18	56	2.71	422	.01	2	2.69	.02	.16	1	2
110576	5	142	46	88	.2	12	25	1231	3.67	59	5	ND	2	492	.2	2	2	45	6.72	.162	15	26	1.43	77	.01	8	1.52	.01	.32	1	133
110577	25	62	67	121	1.3	21	31	880	6.51	146	42	ND	5	190	.5	3	2	44	3.14	.129	7	35	1.83	49	.01	10	1.48	.01	.29	1	207
110578	4	40	76	134	.9	13	26	1226	5.84	152	5	ND	3	179	1.7	2	3	41	4.18	.118	10	26	2.05	62	.01	4	1.49	.01	.19	1	187
110587	2	70	15	134	.7	14	22	1753	5.55	84	5	ND	4	464	.4	3	2	63	6.58	.133	15	38	2.03	71	.01	6	1.65	.01	.23	2	157
110588	2	61	90	155	.8	14	21	2032	5.52	254	5	ND	1	384	.9	2	2	50	6.27	.115	11	28	2.17	53	.01	5	1.20	.01	.22	1	400
110589	1	75	2	95	.2	17	26	1428	5.33	39	7	ND	4	580	1.7	3	2	102	6.96	.137	19	61	2.35	141	.02	5	2.39	.03	.22	1	13
110590	3	71	6	83	.2	95	32	1258	6.41	27	5	ND	3	701	1.1	4	2	120	7.38	.210	20	83	3.61	244	.04	8	3.07	.02	.18	1	5
110591	3	167	9	95	.2	15	26	1428	5.59	29	5	ND	3	448	.4	2	2	107	6.41	.131	17	59	2.59	101	.03	5	2.52	.03	.18	1	50
110592	3	98	26	123	.6	16	27	1561	6.33	41	5	ND	2	370	.4	2	4	135	5.54	.126	9	68	2.72	55	.01	2	2.77	.02	.09	1	77
110593	1	87	13	133	.2	14	25	1510	6.34	24	5	ND	2	273	.4	2	4	149	4.36	.119	8	71	3.18	80	.01	2	3.37	.02	.06	1	33
110594	1	83	55	123	.3	16	23	1503	6.01	21	5	ND	1	340	.2	2	2	137	5.89	.119	9	66	3.01	75	.01	4	3.03	.02	.06	1	34
STANDARD C/AU-R	18	59	37	131	6.4	73	32	1055	3.97	42	17	7	37	53	18.1	18	18	55	.46	.096	37	58	.90	180	.08	33	1.89	.06	.14	12	480

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU** ANALYSIS BY FA\ICP FROM 10 GM SAMPLE.

DATE RECEIVED: OCT 5 1990 DATE REPORT MAILED: Oct 11/90 SIGNED BY: D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
110595	3	112	90	117	.6	16	24	1327	5.85	20	6	ND	6	381	.4	2	2	137	6.34	.176	24	64	2.56	103	.03	2	2.55	.02	.12	1	56
110596	2	106	8	78	.2	15	22	1095	5.43	12	5	ND	4	459	.2	2	2	136	6.29	.205	27	58	2.65	277	.14	2	2.47	.03	.11	1	8
110597	1	89	62	150	.7	18	21	1631	5.06	99	5	ND	4	481	.4	2	2	134	7.28	.153	20	87	2.43	67	.04	2	2.28	.01	.10	1	56
110598	1	97	10	85	.4	23	23	1750	5.02	35	5	ND	4	362	.2	2	2	140	7.20	.108	16	129	3.22	76	.01	2	2.73	.01	.10	1	53
110599	38	201	722	1007	6.6	19	22	2552	6.01	349	5	ND	2	329	4.9	28	2	45	4.92	.123	6	23	1.56	20	.01	2	.93	.01	.25	1	1419
110600	1	104	4	77	.2	14	21	1279	5.09	16	5	ND	4	572	.2	2	2	104	6.74	.193	29	52	2.48	396	.11	2	2.34	.01	.15	1	30
110601	1	105	93	192	.7	14	22	1929	5.29	107	5	ND	5	466	.8	3	2	77	6.88	.172	23	38	1.92	45	.05	4	1.74	.01	.19	1	302
110602	1	81	7	78	.1	14	21	1155	5.46	17	5	ND	4	302	.3	2	2	116	5.87	.125	18	57	2.59	111	.10	3	2.43	.02	.16	1	8
110603	11	115	12	79	.1	14	22	1105	5.49	20	5	ND	4	284	.4	2	2	123	5.94	.120	17	46	2.31	75	.12	2	2.30	.02	.11	1	16
110604	2	99	16	79	.2	15	21	1183	5.63	14	5	ND	3	224	.3	2	2	131	5.96	.116	17	56	2.57	52	.07	2	2.54	.01	.07	1	4
110605	4	117	60	211	.9	16	23	1292	5.27	31	5	ND	4	238	.8	2	2	116	6.27	.120	17	57	2.14	53	.01	2	2.21	.02	.08	1	77
110606	1	96	15	109	.2	15	23	1292	5.50	16	5	ND	3	228	.2	2	2	136	6.20	.120	19	62	2.70	24	.02	2	2.66	.01	.05	1	37
110607	4	104	94	211	.5	16	23	1251	5.91	17	5	ND	4	181	1.3	2	2	141	5.61	.114	17	64	2.49	23	.03	2	2.52	.02	.04	1	36
110608	1	109	25	124	.3	15	23	1222	5.67	8	5	ND	3	190	.6	2	2	139	5.19	.119	17	61	2.75	64	.09	2	2.64	.01	.06	1	19
110609	2	100	11	97	.5	16	23	1280	5.62	16	5	ND	4	230	.4	2	2	147	6.37	.119	18	60	2.86	83	.08	2	2.71	.02	.05	1	14
110610	1	83	14	99	.5	15	25	1622	5.65	43	5	ND	4	275	.3	2	2	137	8.13	.113	17	58	2.83	47	.07	2	2.59	.01	.06	1	26
110611	14	71	41	110	.8	15	22	1426	5.77	105	5	ND	4	156	.2	2	2	114	5.15	.106	15	56	2.08	31	.03	2	2.01	.01	.09	1	148
110612	6	98	16	93	.3	15	23	1156	5.68	24	5	ND	4	171	.3	2	2	145	5.50	.116	17	63	2.64	63	.02	2	2.59	.02	.05	1	41
110613	2	96	9	78	.2	16	24	1162	5.85	13	5	ND	4	186	.3	2	2	150	5.07	.123	18	63	3.01	85	.03	2	2.86	.01	.04	1	15
110614	2	116	13	82	.2	15	22	1330	5.40	20	5	ND	3	229	.3	2	2	131	6.38	.115	18	58	2.57	70	.07	2	2.40	.01	.09	1	21
STANDARD C/AU-R	18	58	36	131	7.0	73	31	1050	3.95	42	21	7	39	52	19.6	15	20	59	.45	.094	39	60	.92	183	.07	32	1.89	.06	.14	13	503

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Inco Expl. & Tech. Services PROJECT BC 90-01 File # 90-5100 90-3

P.O. Box 12134, 512 - 808, Vancouver BC V6Z 2H2

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
110579	4	113	32	103	.7	9	21	1630	4.31	30	5	ND	5	499	.6	2	2	43	7.31	.140	11	21	1.99	76	.01	5	.97	.01	.25	1	42
110580	6	90	39	104	.7	11	21	1571	4.37	22	8	ND	4	548	.6	2	2	26	7.22	.114	10	16	1.72	63	.01	4	.69	.01	.21	1	39
110581	7	108	23	105	.5	11	25	1633	4.94	45	5	ND	5	734	.7	3	2	25	7.82	.136	12	12	2.00	53	.01	7	.57	.01	.26	1	49
110582	6	112	38	123	.4	13	22	1431	5.26	32	5	ND	5	743	.5	3	2	36	7.00	.117	7	15	2.04	49	.01	5	.56	.01	.22	1	61
110583	1	99	16	135	.4	10	20	1583	4.56	70	9	ND	6	809	.5	2	2	17	7.42	.124	12	8	1.60	95	.01	8	.43	.01	.27	1	37
110584	9	78	116	255	1.0	13	22	2133	5.46	136	8	ND	4	374	1.4	9	2	22	5.80	.117	4	10	1.77	35	.01	7	.32	.01	.21	1	228
110585	21	832	5693	10240	12.5	11	15	2395	5.63	460	5	ND	4	207	43.3	244	2	14	3.61	.081	3	7	1.62	19	.01	5	.23	.01	.17	1	1212
110586	6	139	81	143	1.3	14	24	2186	5.56	162	5	ND	5	533	.6	6	2	31	6.14	.135	7	12	1.85	36	.01	6	.37	.01	.25	1	711
110621	2	67	32	72	.7	7	12	1809	2.98	31	16	ND	4	2302	.6	2	2	47	16.89	.071	7	26	1.22	40	.01	2	1.20	.01	.12	1	54
110622	7	94	27	144	.7	15	25	1554	5.98	50	5	ND	5	285	.5	2	2	88	4.61	.119	8	51	2.17	32	.01	3	1.95	.01	.14	1	97
110623	16	114	639	363	2.9	11	20	3886	5.29	537	5	ND	4	358	2.0	18	2	29	8.13	.099	10	16	1.59	36	.01	4	.54	.01	.20	1	1265
110683	8	116	50	163	1.4	11	22	1708	4.40	106	5	ND	4	462	1.0	15	2	21	6.56	.112	9	7	1.39	76	.01	9	.42	.01	.29	1	190
110684	6	121	37	80	.6	13	27	2043	4.91	48	5	ND	4	737	.5	3	2	21	8.19	.113	10	12	1.60	81	.01	9	.40	.01	.27	1	199
110685	4	116	683	267	1.4	14	24	2524	5.11	322	7	ND	4	636	.9	10	2	19	6.89	.107	8	12	1.87	66	.01	11	.34	.01	.24	1	1039
110686	7	105	30	148	.7	10	24	1734	4.93	46	5	ND	5	1033	.6	3	2	36	6.98	.109	10	19	2.01	81	.01	7	.82	.01	.23	1	134
110687	1	105	380	372	.8	9	20	2100	4.25	77	5	ND	3	811	1.5	4	2	18	7.48	.107	8	7	1.29	55	.01	9	.40	.01	.26	1	82
110688	3	76	51	200	.5	10	22	2348	4.52	237	5	ND	4	488	.7	5	2	24	7.02	.111	5	6	1.25	29	.01	10	.33	.01	.22	1	28
110689	21	471	1918	6550	5.3	10	12	2633	4.07	449	7	4	3	473	33.4	69	2	7	5.57	.045	3	9	1.32	15	.01	5	.16	.01	.13	1	4605
110690	9	132	271	596	2.5	16	26	1628	4.13	213	5	ND	4	346	2.7	12	2	26	3.70	.108	5	15	1.10	37	.01	11	.34	.01	.22	1	1102
110691	30	500	3078	3195	9.6	15	20	2828	4.43	269	5	ND	2	488	16.5	95	2	13	5.74	.081	4	10	1.46	16	.01	11	.26	.01	.17	1	761
110692	15	224	543	1123	4.7	12	22	5144	5.97	493	5	ND	4	370	5.9	32	2	20	7.06	.090	5	10	2.08	32	.01	10	.28	.01	.20	1	1484
110693	10	161	196	350	2.2	19	30	2931	5.89	489	5	ND	4	239	1.9	13	2	28	5.12	.131	7	15	1.83	33	.01	12	.37	.01	.25	1	388
110694	15	115	1298	781	3.5	8	14	4371	3.97	172	5	ND	3	502	4.2	30	2	11	9.21	.052	7	7	2.28	41	.01	8	.19	.01	.14	1	337
STANDARD C/AU-R	20	63	37	132	7.6	66	32	1052	3.97	44	21	8	40	49	18.8	15	21	61	.46	.094	40	61	.89	192	.09	39	1.90	.07	.15	12	502

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU** ANALYSIS BY FA\ICP FROM 10 GM SAMPLE.

DATE RECEIVED: OCT 5 1990 DATE REPORT MAILED: Oct 11/90. SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

✓ ASSAY RECOMMENDED

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

90-3

Inco Expl. & Tech. Services PROJECT BC 90-01 File # 90-5164 Page 1

P.O. Box 12134, 512 - 808, Vancouver BC V6Z 2H2

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
1926	1	96	9	75	.1	19	26	1149	5.70	10	5	ND	4	422	.5	2	2	143	7.15	.091	11	67	3.01	152	.01	2	2.96	.03	.10	1	13
1927	1	79	2	65	.1	19	22	1286	4.69	3	6	ND	4	562	.5	2	2	108	11.19	.078	12	56	2.60	115	.01	2	2.09	.03	.11	1	5
1928	1	106	5	71	.1	19	27	1305	5.95	14	9	ND	4	356	.7	2	2	136	6.73	.082	13	75	3.22	106	.05	2	3.23	.03	.08	1	6
1929	4	120	16	84	.1	6	26	1083	6.51	10	5	ND	7	345	.7	2	2	115	4.90	.134	21	8	1.98	144	.06	2	2.39	.03	.18	1	9
1930	2	126	7	91	.1	6	26	1055	6.42	18	5	ND	7	283	.5	2	2	104	4.40	.132	23	9	1.82	155	.08	3	2.30	.03	.28	1	11
1931	27	112	18	50	.5	4	17	805	5.29	55	17	ND	10	213	.4	2	2	84	3.47	.106	16	8	1.24	65	.01	2	1.68	.02	.20	1	25
1932	18	66	19	46	.1	2	11	705	4.83	73	8	ND	9	193	.4	2	2	62	2.21	.102	14	3	1.00	68	.01	2	1.40	.02	.18	1	30
1933	3	103	14	81	.3	12	26	1158	6.24	42	7	ND	6	259	.7	2	2	155	6.11	.116	14	35	2.44	57	.01	2	2.71	.03	.13	1	30
1934	3	116	29	105	.7	11	25	1183	6.07	58	5	ND	5	265	.6	2	2	141	5.66	.125	14	29	2.30	68	.01	2	2.60	.03	.17	1	72
1935	18	82	91	145	.5	12	26	1385	6.13	44	10	ND	5	302	.7	2	2	136	6.49	.113	13	35	2.12	78	.01	2	2.52	.04	.14	1	60
1936	1	94	19	84	.1	3	13	1167	4.41	11	5	ND	10	315	.4	2	2	74	4.42	.134	30	3	1.20	151	.02	5	1.62	.05	.18	1	12
1937	1	95	17	80	.1	2	14	1095	4.78	2	5	ND	11	321	.4	2	2	85	3.40	.140	31	2	1.14	126	.02	4	1.37	.04	.18	1	40
1938	1	96	27	87	.2	2	13	1191	4.83	3	5	ND	11	342	.3	2	2	79	3.60	.142	32	2	1.10	132	.02	3	1.22	.04	.19	1	11
1939	2	86	47	148	.5	2	11	2875	3.70	121	12	ND	8	714	.9	2	2	20	8.54	.114	19	6	1.08	63	.01	5	.47	.02	.27	1	204
1940	1	31	20	87	.3	3	12	1496	4.21	74	5	ND	8	366	.6	2	2	35	4.51	.130	22	2	.74	52	.01	3	.88	.03	.21	1	175
1941	2	102	47	182	.7	12	25	1673	5.48	63	5	ND	4	321	1.1	2	2	93	6.48	.109	12	29	1.89	67	.01	7	1.96	.02	.27	1	102
1942	1	100	4	105	.1	15	26	1251	6.19	18	5	ND	4	251	.6	2	2	122	5.29	.090	11	49	2.90	75	.01	3	3.27	.02	.16	1	21
1943	1	84	4	80	.2	15	26	1096	5.93	20	7	ND	5	273	.6	2	2	119	5.95	.089	10	48	2.98	75	.01	2	3.21	.01	.15	1	18
1944	2	86	6	88	.2	14	25	1271	5.87	26	5	ND.	4	303	.5	2	2	159	6.76	.091	11	46	2.92	80	.01	2	3.21	.01	.13	1	34
1945	7	109	22	83	.7	14	25	1526	5.49	19	12	ND	5	356	.5	2	2	117	7.17	.103	14	32	2.53	56	.01	3	2.54	.02	.17	1	52
1946	4	100	21	88	.6	14	27	1481	5.51	38	5	ND	4	387	.6	2	2	108	6.60	.102	13	32	2.62	91	.01	2	2.47	.02	.17	1	59
1947	1	83	3	88	.2	18	25	1207	5.63	13	8	ND	4	379	.5	2	2	115	6.24	.082	10	73	3.60	72	.01	2	3.05	.01	.13	1	26
1948	3	86	10	84	.1	20	28	1136	5.60	15	6	ND	4	464	.6	2	2	135	7.65	.088	12	84	3.08	107	.02	2	2.80	.02	.14	1	7
1949	1	95	12	77	.2	14	24	1366	5.55	29	8	ND	4	461	.5	2	2	97	7.11	.118	13	38	2.69	88	.01	12	1.63	.02	.33	1	34
1950	2	79	15	98	.4	13	26	1399	5.62	35	5	ND	4	418	.5	2	2	101	5.97	.123	12	19	2.33	103	.01	9	1.53	.02	.30	3	23
110615	3	96	10	81	.1	15	23	1239	5.63	21	5	ND	3	242	.5	2	2	151	5.98	.121	19	66	2.89	61	.05	2	2.87	.03	.05	1	17
110616	1	104	29	87	.1	17	24	1250	6.10	14	5	ND	4	286	.5	2	2	159	5.50	.135	21	70	2.87	304	.11	2	2.77	.03	.09	1	21
110617	1	100	8	82	.2	21	24	1333	5.69	10	5	ND	4	354	.5	2	2	170	6.53	.102	16	101	3.34	340	.18	2	2.97	.03	.06	1	11
110618	1	101	14	79	.1	20	23	1246	5.35	21	5	ND	4	453	.5	2	2	150	6.65	.103	16	87	2.95	370	.17	2	2.64	.02	.15	1	7
110619	3	103	9	93	.4	15	23	1404	5.71	30	10	ND	4	343	.4	2	2	121	6.12	.124	16	60	2.60	40	.01	2	2.85	.02	.13	1	35
110620	1	108	10	86	.2	15	21	1200	5.39	29	5	ND	4	588	.4	2	2	77	6.51	.135	18	37	2.02	48	.01	3	2.57	.01	.28	1	3
110624	1	139	40	197	.8	13	23	2294	5.12	101	5	ND	4	393	.9	3	2	86	6.51	.134	16	48	2.17	70	.01	7	2.11	.01	.29	1	677
110625	3	109	50	154	1.4	13	22	2678	5.32	167	7	ND	2	465	.8	5	2	55	7.87	.119	13	32	1.78	59	.01	6	1.24	.01	.25	1	490
110626	2	112	13	105	.6	15	23	1630	5.43	35	6	ND	4	380	.4	2	2	109	6.21	.136	18	62	2.50	71	.01	2	2.59	.02	.20	1	318
110627	2	119	20	112	.7	15	23	1829	5.88	70	7	ND	4	349	.6	3	2	104	6.16	.132	17	56	2.19	63	.01	3	2.40	.01	.22	1	218
110628	6	127	136	519	1.7	16	26	2442	6.11	301	5	ND	3	216	2.7	6	2	27	4.25	.133	13	12	.86	50	.01	6	.61	.01	.31	1	347
STANDARD C/AU-R	18	59	38	130	7.0	73	31	1052	3.95	44	20	7	40	52	18.9	15	19	59	.46	.096	40	61	.89	178	.08	32	1.90	.06	.14	11	493

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU** ANALYSIS BY FA\ICP FROM 10 GM SAMPLE.

DATE RECEIVED: OCT 9 1990 DATE REPORT MAILED: Oct 16/90 SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
110629	1	94	8	104	.2	16	25	1343	5.95	26	5	ND	1	288	.2	2	8	126	5.79	.129	15	57	2.90	150	.03	2	2.78	.02	.07	2	16
110630	1	109	11	122	.3	17	26	1239	6.08	22	5	ND	2	405	1.0	3	2	120	6.24	.135	17	56	2.98	198	.09	8	2.79	.02	.14	1	6
110631	9	154	134	184	1.5	10	18	3606	4.88	170	5	ND	1	638	.7	4	5	38	13.01	.085	9	19	1.04	33	.01	2	.83	.01	.16	1	356
110632	2	125	15	151	.8	16	26	1981	6.33	43	5	ND	2	326	1.7	4	2	128	6.48	.123	12	58	2.86	71	.01	4	2.85	.01	.11	2	139
110633	2	103	22	129	.7	15	28	1543	6.40	24	5	ND	3	289	.7	4	2	144	6.35	.134	15	66	3.09	95	.01	3	3.18	.02	.07	2	49
110634	1	86	8	94	.1	16	24	1248	5.96	10	5	ND	2	296	.9	2	2	133	5.97	.134	17	52	2.89	245	.08	2	2.66	.02	.10	2	10
110635	1	104	5	81	.4	13	24	1039	5.69	15	5	ND	4	306	.5	4	5	130	5.14	.142	18	41	2.63	340	.10	6	2.21	.03	.20	2	3
110636	1	117	14	106	.6	13	25	1396	5.81	15	5	ND	3	328	1.0	2	5	120	7.04	.127	15	52	2.76	88	.04	7	2.71	.02	.11	1	15
110637	4	106	18	129	.5	15	24	1381	5.65	20	5	ND	1	277	.6	2	2	121	6.37	.119	12	54	2.84	85	.01	3	3.00	.02	.08	3	35
110638	1	120	6	87	.4	10	25	1279	6.04	17	5	ND	3	328	.7	3	2	141	6.34	.147	19	24	2.67	152	.13	4	2.44	.03	.18	1	8
110639	10	180	633	1708	1.2	11	25	1795	5.46	60	5	ND	2	390	8.7	4	2	137	7.14	.115	14	26	3.05	73	.06	2	2.60	.02	.06	3	372
110640	4	94	13	106	.5	16	28	1544	6.16	23	5	ND	2	369	.5	2	2	125	6.19	.131	14	45	3.04	162	.06	5	2.81	.02	.12	2	49
110641	1	112	22	153	.9	16	25	2075	6.05	40	5	ND	3	401	1.0	3	2	117	6.99	.129	11	57	3.05	76	.01	3	2.85	.02	.11	2	152
110642	1	110	12	89	.5	16	24	1559	5.81	19	5	ND	4	507	1.0	3	2	111	7.54	.141	19	51	2.52	218	.06	4	2.30	.02	.21	1	54
110643	1	101	2	88	.2	13	24	1232	5.95	10	5	ND	3	426	.7	2	4	135	6.09	.137	17	57	3.15	391	.10	4	2.59	.03	.19	1	12
110644	1	107	22	113	.6	15	25	1861	5.76	29	5	ND	3	497	.3	3	2	94	7.58	.139	16	46	2.52	102	.02	4	2.44	.02	.19	1	56
110645	1	255	1677	498	3.0	6	18	5143	4.43	118	5	ND	3	574	2.5	4	2	37	12.35	.108	15	18	3.24	76	.01	12	.99	.01	.29	2	242
110646	3	104	83	192	.8	15	25	2065	5.75	65	5	ND	2	312	.7	4	7	82	7.34	.116	10	45	2.00	50	.01	7	2.07	.01	.17	1	138
110647	17	122	2064	2405	3.0	12	25	2701	4.91	225	5	ND	3	787	10.5	8	2	20	9.73	.106	7	6	1.13	43	.01	8	.51	.01	.26	1	592
110648	1	106	19	120	.5	7	24	1776	5.22	34	5	ND	3	423	.2	3	2	68	7.21	.111	11	20	2.23	103	.01	10	1.90	.02	.19	2	22
110649	2	149	11	104	.5	8	24	1253	5.84	35	5	ND	3	266	.4	3	2	75	5.60	.156	16	13	2.14	85	.01	9	2.51	.02	.16	1	42
110650	1	107	16	72	.3	10	25	1160	5.54	18	5	ND	4	586	1.3	6	2	94	7.30	.129	16	30	2.52	421	.01	5	2.07	.02	.18	1	10
110676	1	109	5	73	.3	62	31	955	5.82	18	5	ND	3	1286	1.0	2	2	139	9.28	.378	14	139	4.08	638	.04	3	2.54	.02	.25	1	20
110677	4	118	10	100	.6	10	27	1445	6.05	26	5	ND	5	509	.9	3	2	134	6.59	.163	18	32	2.81	112	.02	8	2.48	.03	.13	1	60
STANDARD C/AU-R	18	58	38	130	6.9	72	31	1053	3.97	41	19	6	37	53	18.1	14	21	56	.46	.097	37	58	.89	181	.08	34	1.88	.06	.14	13	487

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Inco Expl. & Tech. Services PROJECT BC 90-01 File # 90-5212 Page 1 90-3

P.O. Box 12134, 512 - 808, Vancouver BC V6Z 2H2

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
110678	3	89	11	69	.2	16	24	1292	5.09	12	5	ND	4	773	.6	2	2	113	8.36	.120	14	57	3.19	1064	.01	4	2.47	.02	.12	1	9
110679	12	96	10	81	.2	10	22	1176	5.28	23	5	ND	4	454	.6	2	2	97	6.35	.125	16	19	2.46	267	.01	8	2.11	.03	.24	1	7
110680	1	60	7	61	.2	5	17	1200	4.18	26	5	ND	3	452	.4	4	2	55	6.33	.121	17	8	1.63	165	.01	8	1.34	.02	.31	1	2
110681	2	67	58	227	1.5	8	19	1787	4.32	267	5	ND	2	344	1.1	6	2	28	6.28	.118	9	4	1.36	39	.01	12	.62	.01	.34	1	221
110682	1	57	8	81	.2	6	18	1125	4.42	35	5	ND	2	422	.5	4	2	43	6.31	.113	15	10	1.80	154	.01	8	1.53	.02	.37	1	25
110695	1	111	40	128	.7	12	22	1679	4.57	76	5	ND	4	742	.7	4	2	23	7.56	.126	12	12	1.81	139	.01	10	.73	.01	.30	1	171
110696	1	55	11	70	.3	10	18	1106	4.12	15	6	ND	4	795	.4	2	2	37	5.94	.132	17	23	2.34	458	.01	7	1.19	.02	.27	1	28
110697	1	68	7	77	.3	13	20	1294	4.43	21	5	ND	3	651	.4	2	2	46	6.46	.110	14	28	2.43	445	.01	5	1.30	.02	.26	1	48
110698	15	96	188	208	.9	12	27	1751	4.64	47	5	ND	3	727	1.3	3	2	35	8.48	.103	11	10	2.46	90	.01	8	.56	.01	.28	1	239
110699	1	116	10	81	.4	17	28	1185	5.43	48	5	ND	4	599	.5	2	2	62	6.62	.106	15	37	2.11	152	.01	5	1.85	.02	.25	1	10
110700	9	130	132	198	4.2	11	20	4117	4.65	2061	5	8	3	469	1.2	19	2	23	7.67	.084	12	12	2.15	51	.01	8	.60	.01	.21	1	6340
201401	8	105	40	247	2.4	29	35	2278	4.73	4540	5	5	3	564	1.4	19	2	43	7.37	.110	13	24	2.10	65	.01	10	.90	.01	.27	1	4539
201402	3	115	11	94	.5	17	26	1425	5.46	34	5	ND	4	684	.6	2	2	109	7.31	.110	15	71	2.72	272	.01	4	2.53	.02	.14	1	74
201403	1	113	18	100	.6	16	25	1529	5.64	50	5	ND	4	508	.5	2	2	96	6.79	.101	14	50	2.48	94	.02	8	2.65	.02	.21	1	75
201404	1	100	16	150	.8	15	26	1713	5.75	63	5	ND	3	335	.5	4	2	117	7.03	.087	10	62	2.54	102	.01	12	2.74	.01	.17	1	161
201405	1	85	57	244	1.4	11	22	2745	5.28	448	5	ND	3	383	1.2	7	2	63	7.46	.096	9	28	2.14	60	.01	9	1.45	.01	.27	1	659
201406	1	102	14	186	.4	13	24	1470	5.44	58	5	ND	3	297	.6	2	2	109	6.34	.096	9	48	2.41	72	.01	5	2.73	.01	.15	1	23
201407	1	121	7	99	.3	13	25	1293	5.61	37	5	ND	2	291	.4	2	2	104	6.05	.102	11	48	2.56	96	.01	3	2.70	.02	.11	1	27
201408	1	107	8	110	.2	13	23	1211	5.56	13	5	ND	2	338	.7	3	2	88	6.21	.101	12	46	2.84	289	.01	5	2.61	.02	.15	1	10
201409	1	78	3	74	.3	12	23	1131	5.31	14	5	ND	2	454	.6	2	2	72	6.00	.099	12	34	2.66	1110	.01	4	1.99	.02	.19	1	5
201410	1	96	5	75	.2	13	24	1163	5.44	18	5	ND	2	384	.4	2	2	86	6.28	.099	11	42	2.54	193	.01	4	2.32	.02	.17	1	7
201411	1	104	13	94	.4	12	25	1312	5.54	32	5	ND	2	558	.5	3	2	52	6.00	.104	8	24	2.22	116	.01	9	1.55	.01	.26	1	20
201412	4	114	77	140	.9	10	23	2177	4.38	91	5	ND	2	645	.6	3	2	41	7.18	.101	10	9	1.79	59	.01	13	.51	.01	.30	1	258
201413	8	65	301	715	1.1	8	17	2138	5.09	171	5	ND	4	530	3.9	3	2	31	5.69	.132	11	14	1.42	58	.01	7	.41	.02	.25	1	338
201414	6	114	21	126	.8	10	23	1947	5.49	121	5	ND	4	423	.6	2	2	80	6.30	.113	13	29	2.20	106	.01	5	1.97	.01	.25	1	60
201415	3	112	22	141	.7	12	24	1438	5.73	28	5	ND	3	357	.5	3	2	96	4.97	.130	14	35	2.56	121	.01	6	2.57	.02	.19	1	28
201416	1	65	15	135	.4	15	19	1502	4.75	65	5	ND	3	504	.4	2	2	80	6.99	.120	15	70	2.51	93	.01	4	2.15	.02	.17	1	30
201417	1	322	439	1530	6.5	10	16	1860	3.27	2351	5	26	3	377	8.6	20	2	37	6.58	.114	13	36	1.64	98	.01	9	1.01	.01	.23	1	24248
201418	1	60	9	86	.2	14	21	1147	4.95	12	5	ND	3	538	.4	2	2	119	6.31	.131	19	61	2.83	704	.02	2	2.57	.03	.10	1	40
201419	12	155	224	197	.8	12	24	1412	5.49	38	5	ND	3	415	.7	2	2	99	5.79	.129	15	31	2.29	137	.01	3	2.26	.01	.15	1	188
201420	8	110	7	80	.2	12	23	1214	5.26	16	5	ND	2	549	.3	2	2	84	6.29	.133	17	21	2.11	372	.01	3	2.00	.02	.17	1	6
201421	7	218	642	1313	3.7	10	20	2234	4.97	120	5	ND	2	471	6.7	11	2	28	6.17	.120	10	5	1.60	53	.01	8	.39	.01	.24	1	392
201422	4	112	9	106	.4	13	23	1376	5.38	26	5	ND	3	523	.4	3	2	65	6.35	.139	18	21	2.07	148	.01	5	1.69	.01	.27	1	11
201423	13	92	66	238	1.1	4	19	2460	4.05	38	5	ND	4	465	.7	6	2	29	6.94	.118	10	3	1.71	120	.01	7	.84	.01	.24	1	103
201424	2	127	17	103	.3	9	20	1334	4.76	43	5	ND	3	463	.4	3	2	59	5.38	.181	21	11	1.48	215	.01	13	1.22	.01	.41	1	11
201425	2	112	45	99	.5	7	19	1508	4.08	44	5	ND	3	378	.5	4	2	63	7.35	.137	14	6	2.03	226	.01	11	.59	.01	.29	1	16
STANDARD C/AU-R	18	58	40	132	7.1	73	31	1053	3.92	42	21	7	39	52	20.0	15	18	59	.46	.097	40	61	.89	177	.07	33	1.90	.06	.14	12	514

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1 TO P2 CORE P3 ROCK AU** ANALYSIS BY FA\ICP FROM 10 GM SAMPLE.

DATE RECEIVED: OCT 11 1990 DATE REPORT MAILED: Oct 17/90 SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
201426	5	136	20	79	.3	7	20	1315	4.64	32	5	ND	4	494	.3	4	2	34	6.06	.190	22	4	1.55	180	.01	11	.92	.01	.32	1	7
201427	36	109	38	168	.7	7	20	1608	4.32	42	8	ND	4	471	.8	7	2	46	9.02	.132	11	4	2.57	94	.01	9	.44	.01	.24	1	41
201428	5	76	10	120	.5	10	24	1304	5.79	34	9	ND	3	360	.3	2	2	62	5.50	.108	10	26	2.29	94	.01	6	1.80	.02	.21	1	18
201429	8	89	65	154	.5	11	26	1478	5.58	68	9	ND	2	663	.6	6	2	17	5.69	.114	7	7	1.87	86	.01	9	.43	.01	.20	1	121
201430	12	127	51	184	.6	12	26	1265	5.93	28	5	ND	3	273	.7	2	2	79	4.43	.128	14	21	2.27	89	.01	4	2.29	.01	.18	1	374
201431	15	126	63	269	1.0	12	25	1380	6.06	37	5	ND	2	250	1.0	2	2	124	4.74	.118	10	40	2.49	40	.01	3	2.77	.02	.08	1	85
201432	222	56	144	346	2.0	9	24	1432	4.91	82	7	ND	4	418	2.5	7	2	70	6.27	.106	11	18	1.71	48	.01	4	1.77	.01	.12	1	250
201433	1	69	8	109	.5	12	23	1560	5.17	15	6	ND	2	485	.5	2	2	106	8.07	.129	16	28	2.22	145	.01	2	2.38	.01	.10	1	23
201434	1	73	4	81	.1	13	25	1200	5.53	12	5	ND	2	417	.6	2	2	142	5.87	.135	17	41	2.79	759	.14	2	2.74	.02	.08	2	9
201435	2	84	35	136	.7	13	28	1671	6.01	34	5	ND	2	331	.7	2	2	134	5.99	.143	21	42	2.73	56	.01	2	2.88	.01	.13	1	105
201436	18	26	314	462	2.0	7	21	3522	4.94	170	6	ND	2	458	2.6	4	2	61	10.72	.066	10	13	1.61	26	.01	5	1.33	.01	.10	1	676
201437	2	69	12	146	.1	10	20	1377	5.56	12	5	ND	2	200	.6	2	2	134	4.97	.126	19	41	2.62	30	.01	2	2.80	.03	.05	1	41
201438	31	81	10	113	.4	12	25	1204	5.96	22	5	ND	2	226	.7	2	2	120	5.52	.113	17	45	2.63	61	.01	3	2.99	.02	.08	1	99
201439	1	127	10	96	.1	11	25	1000	6.37	16	5	ND	4	183	.5	2	2	154	4.19	.144	20	28	2.49	65	.01	2	2.98	.02	.07	1	12
201440	4	126	39	145	.2	9	24	1122	6.27	27	5	ND	4	209	1.0	2	2	153	5.50	.141	20	20	2.32	37	.01	2	2.81	.02	.08	2	27
201441	3	115	14	92	.2	12	25	1035	6.01	13	8	ND	4	195	.4	2	2	150	5.19	.118	16	35	2.53	32	.01	2	2.87	.02	.08	1	10
201442	3	122	20	84	.1	12	24	987	6.11	20	5	ND	3	232	.5	2	2	142	4.72	.121	16	32	2.49	120	.01	2	2.86	.02	.09	1	18
201443	1	131	10	94	.1	11	23	1156	5.74	18	5	ND	3	376	.7	2	2	134	5.74	.127	17	31	2.34	73	.09	6	2.72	.02	.12	2	22
201444	6	112	117	443	1.7	13	25	1307	5.85	44	5	ND	4	270	2.2	3	2	117	4.87	.111	12	35	2.26	48	.01	5	2.51	.01	.11	1	89
201445	4	121	42	168	.8	13	24	1216	5.89	29	5	ND	3	267	.8	2	2	119	5.55	.105	11	41	2.45	47	.01	3	2.73	.02	.10	1	34
201446	5	81	131	427	2.4	10	19	3176	4.42	201	5	ND	2	590	2.1	4	2	39	11.15	.090	9	14	1.42	66	.01	7	1.04	.01	.22	1	387
201447	4	131	23	141	.4	13	24	1206	6.28	31	5	ND	3	242	.6	2	2	142	5.03	.123	13	37	2.58	48	.01	2	3.01	.02	.10	2	39
201448	2	126	16	123	.2	11	24	1364	6.21	27	5	ND	3	307	.7	2	2	140	5.92	.124	14	31	2.47	61	.01	3	3.04	.01	.10	1	24
201449	6	122	22	140	.7	8	22	1591	5.90	46	5	ND	4	245	.6	2	2	120	5.51	.118	14	23	2.07	49	.01	2	2.57	.02	.10	1	101
201450	2	109	97	336	1.1	20	24	2116	5.55	286	5	ND	3	274	1.3	2	2	92	6.35	.105	10	193	2.23	56	.01	5	2.42	.01	.13	1	862
STANDARD C/AU-R	19	60	41	134	7.1	72	31	1055	3.98	45	20	7	40	53	19.1	15	19	60	.46	.099	40	60	.90	180	.08	33	1.90	.06	.14	13	506

APPENDIX D

Trench Sample Descriptions

Aurum Geological Consultants Inc. SAMPLE DESCRIPTION FORM
ROSSBANK PROPERTY INCO EXPLORATION AND TECHNICAL SERVICES INC.
NTS 105D/9, D/10 Samplers: R.H., M.K. August, 1990

Sample Number	Location	Description	Attitude	Width	Au ppb	Ag ppm	As ppm	Pb ppm	Sb ppm	Ni ppm	Cr ppm
344951	M'Clintock Trench 90-4 @ 2m east	Sheared, foliated, carb. & lim. altered, (dolm where fresh) tuff, remnant clasts 1-3mm across. 0.5% diss. fine grained py Mn stained fractures	150/80E&W	0.57m	396	3.8	345	134	27	20	70
344952	M'Clintock Trench 90-4	Brown Sheared tuff as 344951 x/cut by irregular & Brecciated qtz-calcite vein. Trace to <0.5% diss py.	120/80S	0.20m	15105	9.4	336	534	26	5	4
344953	M'Clintock Trench 90-4	Light brown sheared/foliated sericite altered tuff. Trace mariposite, trace pyrite, qtz-calcite microfractures.	NA	0.37m	93	0.1	66	6	5	11	10
344954	M'Clintock Trench 90-4	Brown weathering grey pyritized, dolomitized tuff. 0.5% diss fine gr. py Foliated but massive in appearance.	135/60S	0.77m	103	1.6	54	46	5	17	10
344955	M'Clintock Trench 90-4	Similar to 344954, Trace py.	140/80S	0.90m	169	2.3	197	77	17	20	12
344956	M'Clintock Trench 90-4	Similar to 344954, approx. 2% diss py includes 5cm thick shallow (<30 deg.S) qtz-carb vein.	NA	0.60m	499	2.2	366	440	25	18	9
344957	M'Clintock Trench 90-4 @ 4m east	Brown sheared, limonitized, dolomitized Mn stained tuff, trace pyrite.	NA	0.40m	649	3.0	235	109	17	19	12
344958	M'Clintock Trench 90-4	Altered tuff as 344957 crosscut by brecciated quartz vein with angular tuff clasts (20%) and rare calcite fillings and/or clasts. Trace diss gn, py.	125/70S	0.20	2592	4.6	183	551	25	10	5
344959	M'Clintock Trench 90-4	Medium colored reddish-brown tuff sheared/foliated, brecciated, dolomitzed (carbonitized where weathered), Mn stained fractures, <1% diss py.	NA	1.0m	173	1.6	287	55	13	18	9
344960	M'Clintock Trench 90-4	Similar to 344959 except more massive. Amygdaloidal, qtz-carb filled vesicles. Minor (<5%) quartz stringers.	NA	1.50m	123	2.1	144	44	25	18	10
344961	M'Clintock Trench 90-4 @ 6m east	Similar to 344957. Possible quartz-carb veining included in sample?	NA	0.80m	6037	4.5	296	159	23	16	11

Aurum Geological Consultants Inc. SAMPLE DESCRIPTION FORM
ROSSBANK PROPERTY INCO EXPLORATION AND TECHNICAL SERVICES INC.
NTS 105D/9, D/10 Samplers: R.H., M.K. August, 1990

Sample Number	Location	Description	Attitude	Width	Au ppb	Ag ppm	As ppm	Pb ppm	Sb ppm	Ni ppm	Cr ppm
344962	M'Clintock Trench 90-4	Sheared and altered tuff crosscut by 0.20 m wide brecciated quartz-carb vein. Trace pyrite. Similar to 344958 & 959.	120/70S	0.65	4241	3.4	200	200	18	12	9
344963	M'Clintock Trench 90-4	Sheared tuff(?), rusty brown weathering, trace py, similar to # 344956 & 960.	140/90	1.05	297	3.3	290	177	13	11	8
344964	M'Clintock Trench 90-4 @ 8m east	Qtz-carb altered amygdaloidal basalt(?) Not very strained.	NA	1.50	119	1.1	135	42	9	13	15
344965	Trench 90-4 M'Clintock	Altered tuff (dolm, lim) crosscut by brecciated quartz-carb veining (50% of sample), trace diss py.	120/60S	0.40m	3283	4.0	290	350	21	15	9
344966	M'Clintock Trench 90-4	Sheared altered tuff(?) (lim, dolm-carb) trace py, friable in part.	NA	1.00	241	1.4	202	56	10	15	12
344967	M'Clintock Trench 90-4 @ 10m east	Sheared altered tuff (lim, carb-dolm) Trace to <1% diss py, hard dense rock.	NA	1.0	201	1.6	195	60	12	15	10
344968	M'Clintock Trench 90-2	Hanging wall basalt. Bleached pyritized & carbonitized, pervasive limonite (replacing py) & Mn stained fractures.	164/76W	0.40m	118	0.7	171	157	7	15	9
344969	M'Clintock Trench 90-2	Clay gouge zone with crushed quartz (30%) and galena veining (5-10% gn) in two bands (each <8cm thick) 20 cm apart hosted by crushed carbonitized and limonitized basalt (50%) and red clay gouge (20%).	113/40S	0.40m	702	150.9	466	22057	333	34	11
344970	M'Clintock Trench 90-2	Quartz veined & partly silicified dark grey-green where fresh and limonitized where weathered, 1-3% diss py, strongly sheared, carbonitized.	105/45S	0.50 TW 0.40	210	7.6	264	2066	34	17	11
344971	M'Clintock Trench 90-2	Limonitized, chlorite, sericite altered tuff, trace mariposite specks, Mn stained, 30% gey quartz veinlets, 1% diss py.	125/70S	1.25m TW 0.95	146	1.8	396	534	14	35	19
344972	M'Clintock Trench 90-2	Red clay gouge (70%) and finely crushed clay-sericite altered tuff, trace -0.5% galena fragments. Similar to 344968.	127/70S	0.60m TW 0.55	435	74.5	483	22854	294	20	10
344973	M'Clintock Trench 90-2	Green-brown chlorite, clayaltered tuff. 1% diss py, 10S red clay gouge/soil(?)	NA	0.40 TW 0.40	129	1.0	263	213	13	17	8

Aurum Geological Consultants Inc. SAMPLE DESCRIPTION FORM
ROSSBANK PROPERTY INCO EXPLORATION AND TECHNICAL SERVICES INC.
NTS 105D/9, D/10 Samplers: R.H., M.K. August, 1990

Sample Number	Location	Description	Attitude	Width	Au ppb	Ag ppm	As ppm	Pb ppm	Sb ppm	Ni ppm	Cr ppm
344974	M'Clintock Trench 90-2	Brown limonitized, manganese stained tuff. Carbonitized, 1-3% diss py.	125/70S	0.95	294	1.0	161	248	7	17	9
344975	M'Clintock Trench 90-2	Similar to 344974. sheared, occasional qtz stringers.	125/70S	0.80m TW 0.75m	95	0.7	242	59	7	91	63
344976	M'Clintock Trench 90-2	Red-rusty soil-gouge (25%) with clasts (75%) of bleached, carbonitized, limonitized tuff, trace galena.	115/40S	0.70m	789	4.2	494	1976	39	55	24
344977	M'Clintock Trench 90-2	Brown weathering, limonitized, carbonitized tuff, trace -0.5% diss py.	156/40W	1.2m	102	0.5	133	77	6	12	12
344978	M'Clintock Trench 90-2	Same as 344977.	NA	1.15	181	1.1	140	90	13	13	11
344979	M'Clintock Trench 90-2	Similar to 344977. 1 (2cm wide) qtz veinlet. <1 % diss py, 5-10% diss lim.	153/50W 160/30 W	0.90m	101	0.9	143	66	9	15	14
344980	M'Clintock Trench 90-2	Similar to 344977. Crystal tuff (?) or flow? 0.5% diss py.	NA	0.5m	103	1.2	145	66	7	15	15
344981	M'Clintock Trench 90-2	Light yellow-bleached tuff lense. Argillic altered, no py, strongly foliated.	002/40E	0.30m	150	1.6	182	118	12	4	5
344982	M'Clintock Trench 90-2	Similar to 344977. Specks mariposite, irregular qtz-calcite veinlets.	132/90	125m	107	1.2	131	61	9	16	15
344983	M'Clintock Trench 90-2	Similar to 344977, one 5cm wide qtz veinlet, trace mariposite.	NA	1.50m	87	1.1	155	67	21	11	8
344984	M'Clintock Trench 90-2	Limonite, ankerite (carbonitized) pyritized (1%) tuff, Mn stained.	shear 100/35S	0.75 TW 0.6	164	1.3	326	122	18	19	14
344985	M'Clintock Trench 90-2	**Altered tuff, locally bleached, specks mariposite, minor calcite veinlets, 1% diss py, Mn stained.**	090/90	1.30m	183	0.6	239	63	1	27	29
344986	M'Clintock Trench 90-2	Fresh grey-green amygdaloidal basalt Hanging wall. Carbonitized , bleached with trace py near shear contact.	NA	0.70	12	0.7	23	11	2	14	42
344987	M'Clintock Trench 90-2	Similar to 3449969,970 & 972. Rusty colored sheared, carbonitized crushed tuff fragments in clay gouge (30%). Trace py, gn.	predom. 123/70S X/struct. 100/30S	0.60	428	39.2	434	17224	97	16	6
344988	M'Clintock Trench 90-2	Brown carbonitized,pyritized tuff, approx 2% diss py.	shear 135/70S	1.20m	203	1.9	202	115	7	30	7

Aurum Geological Consultants Inc. SAMPLE DESCRIPTION FORM
ROSSBANK PROPERTY INCO EXPLORATION AND TECHNICAL SERVICES INC.
NTS 105D/9, D/10 Samplers: R.H., M.K. August, 1990

Sample Number	Location	Description	Attitude	Width	Au ppb	Ag ppm	As ppm	Pb ppm	Sb ppm	Ni ppm	Cr ppm
344989	M'Clintock Trench 90-2 '@ 35.5m E	Foliated tuff, 1% diss py, minor qtz carbonate veinlets in breccia.	Fol. 125/90	1.20m TW 0.75	402	1.4	145	464	9	25	35
344990	M'Clintock Trench 90-2	Similar to 344989, no breccia.	NA	0.45m	56	0.6	89	45	6	28	99
344991	M'Clintock Trench 90-2	Sheared limonitized tuff (75%), cut by 8cm rusty qtz-carbonate vein, trace diss galena, 1-4% diss py.	vein 090/80S	0.25m	797	3.7	328	1228	67	14	13
344992	M'Clintock Trench 90-2	Shearedcarbonitized tuff. Limonitized with trace py.	130/60N	0.50m	123	0.7	122	73	5	21	39
344993	M'Clintock Trench 90-2	Massive grey-green basalt-andesite.	NA	1.2m	11	0.1	19	38	4	25	105
344994	M'Clintock Trench 90-2	Massive grey tuff (?). Carbonitized with irregular calcit-qtz veinlets on fractures, Weak Mn stain.	NA	0.65m	4	0.2	50	26	4	29	130
344995	M'Clintock Trench 90-2	Light med green carbonitized tuff, tr py Numerous calcite veinlets(approx 30% in sample) 5 % veinlets in outcrop.	GRAB	GRAB	354	0.6	132	88	5	21	47
344996	M'Clintock Trench 90-2	As 344996 but rare qtz-calcite veinlets, trace pyrite.	GRAB	GRAB	1	0.2	36	12	4	17	13
344997	M'Clintock Trench 90-3 East end	Footwall; Brown weathering grey-green basalt/andesite, trace pyrite.	NA	1.0m	55	1.1	76	43	2	16	52
344998	M'Clintock Trench 90-3	Shear Zone; Yellow clay altered bleached and leached, no visible py.	135/90	0.55m	809	1.4	505	272	6	10	12
344999	M'Clintock Trench 90-3	Fresh green basalt-andesite, cabonitized trace py.	NA	1.0m	13	1.0	31	173	7	13	23
345000	M'Clintock Trench 90-3	Rusty shear zone with gouge(?)/soil 20% calcite qtz veinlets <10cm wide. trace galena and pyrite.	095/85S	0.25m	353	1.0	220	173	7	16	21
344806	M'Clintock Trench 90-3	Grey pyritized fol/sheared basalt/tuff 1-3% diss. pyrite.	135/65S	0.8m	101	1.0	178	65	6	18	41
344807	M'Clintock Trench 90-3	Similar to 344806.	135/75N	1.7m TW 1.3m	75	1.3	41	50	4	19	38
344808	M'Clintock Trench 90-3	Similar to 344806.	145/90	1.5m TW 1.3m	62	0.9	28	44	5	17	40

Aurum Geological Consultants Inc. SAMPLE DESCRIPTION FORM
ROSSBANK PROPERTY INCO EXPLORATION AND TECHNICAL SERVICES INC.
NTS 105D/9, D/10 Samplers: R.H., M.K. August, 1990

Sample Number	Location	Description	Attitude	Width	Au ppb	Ag ppm	As ppm	Pb ppm	Sb ppm	Ni ppm	Cr ppm
344809	M'Clintock Trench 90-3	Similar to 344806. Hanging wall	126/75N	1.3m TW 1.1m	110	1.1	107	37	6	17	37
344810	M'Clintock Trench 90-3	Pyritized carbonitized tuff x/cut by 0.2m qtz-dolomite (ankerite?) vein with 5% diss. & blebs py, trace gn. Minor mal, az stain. Rusty weathering. Vein is podiform and brecciated.	108/40S vein	0.6m TW 0.5m	14936	11.3	5101	1295	45	11	7
344811	M'Clintock Trench 90-3	Footwall; bleached white to yellow adjacent to vein. Rare qtz-carb stringers cutting light green pyritized fine grained basalt-andesite. 1-3% diss. py.	130/60S	1.15m TW 0.8m	651	1.0	297	74	11	11	13
344812	M'Clintock Trench 90-3 West end	Carb pyritized (limonite weathered) basalt, 1% diss py. Sheared/foliated	NA	0.5m	58	0.4	56	19	2	15	23
344813	M'Clintock Trench 90-3	Similar to 344812	135/50N	0.7m	170	0.6	134	52	6	10	8
344814	M'Clintock Trench 90-3	Similar to 344812	135/80N	0.5m	237	0.8	347	77	6	14	5
344815	M'Clintock Trench 90-3	Similar to 344812. Locally non-calcareous, amygdaloidal.	118/50S	0.6m	119	0.8	262	56	5	17	8
344816	M'Clintock Trench 90-3	Similar to 344812.	NA	0.5m	101	0.8	122	57	3	13	11
344817	M'Clintock Trench 90-3	Similar to 344812. Cut by one 5cm wide qtz-carb bx veinlet with py filling. Total <2% py.	135/65S veinlet	0.4m	609	1.7	353	99	20	12	5
344818	M'Clintock Trench 90-3	Brown weathering carb, limonitized, tuff -basalt with 40% bx qtz-carb veinlets containing 5% py veinlets and diss.	135/60S	0.35m	6208	2.2	506	52	11	5	3
344819	M'Clintock Trench 90-3	Similar to 344812. Less than 1% diss py.	NA	0.9m	206	1.8	312	93	9	15	6
344820	M'Clintock Trench 90-3	Green basalt, <0.5% py.	NA	0.7m	89	0.8	151	74	3	15	11
344821	M'Clintock Trench 90-3	Brown weathering carb, limonitized, tuff with 1% diss py cut by flat lying qtz-carbonate vein 15 cm thick, poss. Ba (?)	132/60S	0.5m	781	0.7	207	88	6	8	3
344822	M'Clintock	Sheared tuff-basalt, local white-yellow	135/35S	0.60m	190	1.6	370	205	8	18	9

Aurum Geological Consultants Inc. SAMPLE DESCRIPTION FORM
ROSSBANK PROPERTY INCO EXPLORATION AND TECHNICAL SERVICES INC.
NTS 105D/9, D/10 Samplers: R.H., M.K. August, 1990

Sample Number	Location	Description	Attitude	Width	Au ppb	Ag ppm	As ppm	Pb ppm	Sb ppm	Ni ppm	Cr ppm
	Trench 90-3	bleaching in hanging wall of vein.									
344823	M'Clintock Trench 90-3	irregular, brecciated qtz-carb vein, 30% tuff fragments, 3% diss gn, tr py.	115/50S	0.25m TW 0.20	307	3.2	286	1874	12	8	5
344824	M'Clintock Trench 90-3	Brown-grey pyritized tuff, 1% diss py.	NA	0.80m	261	1.1	219	62	7	14	13
344825	M'Clintock Trench 90-3	Brown weathering carb, limonitized, tuff foliated and carbonitized. 4 cm bx qtz-carb veinlet. 1% diss py, py veinlets.	118/90	0.40m	555	0.7	251	110	8	11	5
344826	M'Clintock Trench 90-3	Brown weathering carb, limonitized, tuff foliated and carbonitized, 1% py. Minor qtz-carb veinlets (<2% total).	140/70S	0.65m	304	0.5	114	40	3	12	9
344827	M'Clintock Trench 90-3	Similar to 344826. Rare veinlets, <1%py.	Jointing 145/45W	1.30m	24	0.3	28	25	3	12	22
344828	M'Clintock Trench 90-3	Brown weathering carb, limonitized, tuff foliated and carbonitized. <5 cm bx qtz-carb irregular veinlet. 1% diss py.	090/90	0.80m	269	0.9	286	78	15	10	6
344829	M'Clintock Trench 90-3	Similar to 344828, green-grey basalt. trace py.	joint 105/60S	1.10m	31	0.2	28	14	2	15	20
344830	M'Clintock Trench 90-3	Brown weathering carb, limonitized, tuff foliated and carbonitized. 2 cm bx qtz-carb irregular veinlet. trace diss py.	Foliation 125/90	1.10m	94	0.7	167	55	0	14	5
344831	M'Clintock Trench 90-3	Brown weathering carb, limonitized, green basalt, chlorite, trace py. one minor qtz-carb stringer.	NA	0.85m	103	0.3	126	32	7	14	18
344832	M'Clintock Trench 90-3	Sheared basalt, carbonitized, limonite, trace py, micro qtz-carb veinlets.	130/90	0.90m	525	1.2	235	140	14	17	10
344833	M'Clintock Trench 90-3	Brown weathering green cabonitized basalt, 1% qtz on fractures.	joint 070/80S	0.50m	74	0.3	37	17	3	14	17
344834	M'Clintock Trench 90-3	Brown weathering green cabonitized basalt.	joint 094/75S	1.4m	65	0.1	64	19	3	12	18
344835	M'Clintock Trench 90-3	Sheared basalt, carbonitized, limonite, trace py, qtz-carb veinlets.	115/70S	0.60m	243	0.8	156	54	6	11	7
344836	M'Clintock Trench 90-3	Weakly and locally py, carb altered sheared basalt.	050/80S	1.1m	115	1.2	103	66	4	15	13
344837	M'Clintock	"Fresh" green amygdaloidal basalt.	NA	0.80m	27	0.1	28	11	2	15	23

Aurum Geological Consultants Inc. SAMPLE DESCRIPTION FORM
ROSSBANK PROPERTY INCO EXPLORATION AND TECHNICAL SERVICES INC.
NTS 105D/9, D/10 Samplers: R.H., M.K. August, 1990

Sample Number	Location	Description	Attitude	Width	Au ppb	Ag ppm	As ppm	Pb ppm	Sb ppm	Ni ppm	Cr ppm
	Trench 90-3										
344838	M'Clintock Trench 90-3	Sheared basalt, carbonitized, limonite, altered.	115/70S	0.60m	121	1.0	189	84	10	15	7
344839	M'Clintock Trench 90-3	Weakly pyritized basalt (<1% diss py), limonite coatings, minor chlorite.	Massive	0.90m	143	0.6	74	31	4	16	26
344840	M'Clintock Trench 90-3	"Fresh" green amygdaloidal carb. altered basalt.	Massive	1.30m	22	0.1	2	11	2	14	40
344841	M'Clintock Trench 90-3	Sheared basalt, carbonitized, limonite, on fractures.	115/70S	0.50m	51	0.6	62	145	4	16	20
344842	M'Clintock Trench 90-3	Green carbonitized pyritized basalt with <1% diss finegrained pyrite.	Massive	0.70m	106	0.6	119	39	5	15	35

APPENDIX E

Petrographic Reports

Vancouver Petrographics Ltd.

JAMES VINNELL, Manager
JOHN G. PAYNE, Ph.D. Geologist
CRAIG LEITCH, Ph.D. Geologist
JEFF HARRIS, Ph.D. Geologist
KEN E. NORTHCOTE, Ph.D. Geologist

P.O. BOX 39
8080 GLOVER ROAD,
FORT LANGLEY, B.C.
V0X 1J0
PHONE (604) 888-1323
FAX. (604) 888-3642

PETROGRAPHIC REPORT ON SIX THIN SECTIONS

Report for: Roger Hulstein
Aurum Geological Consultants
~~412~~ 675 W. Hastings Street
Vancouver, B.C.
V6B 1N2.

Invoice CL-31-90
Job # 106

November 12 1990

Samples submitted: 2-74.65, 2-107.50, 2-153.00, 2-205.60, 3-32.45, 3-208.40 m.

SUMMARY:

This suite includes one possible sediment (2-74.65 m) and five volcanic rocks of various character. The sediment is a finely laminated ?turbiditic siltstone (Bouma a-e cycles) possibly of volcanic derivation to judge by its former high content of feldspar. The volcanic rocks range from porphyritic ?flows or high-level intrusives (2-107.50, 205.60, 3-208.40 m) to possible tuffaceous rocks (2-153.00, 3-32.45 m). The former are characterized by 15-30% 1-3 mm relict plagioclase phenocrysts and 15-20% 0.5 to 3 mm mafic relics, probably after clinopyroxene, in a matrix of plagioclase microlites, chlorite, sericite, and opaques. Most are of intermediate-mafic composition, but one (3-208.40 m) has a groundmass very rich in K-feldspar, apparently primary, making it unusually alkalic. The tuffs are characterized by similar minerals but with vague fragmental textures.

The compositions of these volcanic rocks may be mainly in the andesite (diorite) to basalt (gabbro) range, but are difficult to pinpoint due to strong to intense alteration, mainly propylitic-phyllic in character (albite-sericite-carbonate-chlorite). Opaques are pyrite, Fe-Ti oxides such as sphene and leucoxene, and possibly carbon. Carbonate in these rocks includes both calcite and ankerite or dolomite; veins of these carbonates and lesser quartz are common but are not mineralized.

Craig H.B. Leitch, Ph.D, P.Eng.

(604) 921-8780 or 666-4902

2-74.65m: SERICITE-CARBONATE ALTERED TURBIDITIC SILTSTONE

Interlaminated (1 mm to 3 cm thick layers) light grey and black siltstone or mudstone, probably a distal turbidite. There are fine wispy lenses of pyrite conformable to layering, and occasional coarse (3 mm) cubic pyrite in the black layers. The rock is not magnetic; it is cut by hair-line dark fractures and thin white veinlets. It does not react to cold dilute HCl. In thin section, the modal mineralogy is approximately as follows:

Sericite (muscovite)	50%
Quartz	20%
Carbonate (?dolomite or ankerite)	20%
Pyrite	5%
?Carbonaceous matter	5%

The light grey portions of this rock are made up of mainly sericite, or fine-grained muscovite, with lesser carbonate, pyrite and minor quartz. Sericite forms subhedral flakes up to 0.025 mm diameter, with a preferred orientation parallel to the layering that defines a foliation. There is minor very fine (0.01 mm) anhedral quartz mixed with the sericite. Carbonate is present as small anhedral grains or clots up to 0.1 mm in diameter. Since the carbonate does not react to acid even after powdering, it may be ankerite or dolomite. Pyrite forms extremely fine (1-10 micron) anhedral to fine (up to 0.05 mm diameter) subhedral grains.

The black layers are composed of similar minerals, but are characterized by extremely thin (20 micron) laminations, or partings, of black opaque ?carbonaceous matter, as 10-20 micron flakes oriented parallel to layering and defining a foliation. There are also thin (up to 0.5 mm thick) layers of coarser carbonate and quartz (up to 0.25 mm diameter). The quartz and carbonate in these is clear, relatively unstrained, and is similar to these minerals in thin veinlets that cross-cut the foliation. Pyrite is concentrated in the layers, as cubic grains up to 0.1 mm in diameter, but is absent from the cross-cutting veins. Veins form about 5% of the rock.

I believe this was a sedimentary rock, possibly a distal turbidite derived by erosion of a volcanic terrain (the fine grain size and apparent a-e Bouma cycles, to very fine carbonaceous matter, suggest a turbidite, and the lack of quartz and abundance of sericite is likely after feldspathic material, suggesting a wacke composition). Alteration has been to sericite and carbonate; the pyrite may be a hydrothermal addition, or it may be merely remobilized primary material commonly found in such a sediment.

2-107.50m: ALBITE-CARBONATE-SERICITE ALTERED, ?CARBON-PYRITE "CRACKLE" BRECCIATED INTERMEDIATE-MAFIC VOLCANIC ROCK

Light grey rock, cut by a network of fine "crackle" black fractures and by later through-going carbonate veins. The latter react to cold dilute HCl only after powdering, and so must be dolomite. There are distinctive bright green ?relict phenocrysts up to several mm long in the grey portion of the rock; there is no yellow stain for K-feldspar in the etched slab. In thin section, the minerals are:

Relict plagioclase (?albitized)	35%
Carbonate (dolomite)	25%
Sericite (muscovite)	15%
Opaque (?carbon, pyrite)	10%
Quartz (secondary)	10%
Fe-Ti oxides (sphene, leucoxene)	5%

This appears to be an intensely altered igneous rock, probably a volcanic flow or high-level intrusive. It is composed principally of relict plagioclase and mafic phenocrysts in a matrix of fine relict laths and carbonate. Plagioclase phenocrysts were subhedral and up to 2 mm long; they are now replaced by 0.1 mm or less albite, carbonate, and minor quartz and sericite. Patches of clear subhedral plagioclase crystals (albite) of up to 0.5 mm size could represent the alteration of glomeratic plagioclase clumps.

Mafic relics (probably the green pseudomorphs seen in hand specimen) are difficult to recognize, but have subhedral outlines up to 2 mm long, and are replaced by carbonate and lesser sericite, plus fine Fe-Ti oxides. Carbonate and sericite form anhedral to subhedral grains up to 0.05 mm in diameter; oxides are subhedral and finer, generally less than 30 microns across although a few cubic grains of ?pyrite are up to 0.2 mm.

The matrix of the rock (possibly as much as 70% of it, i.e. 30% phenocrysts) is made up of fine laths of subhedral plagioclase about 0.1 mm long, with interstitial carbonate and fine Fe-Ti oxides. The plagioclase grains are altered by fine sericite and carbonate; the interstitial carbonate and oxides (up to 0.07 and 0.02 mm respectively) probably represent former mafic material. There may be some pyrite, again as cubic euhedra up to 0.1 mm across, and minor quartz as scattered anhedral grains up to 0.05 mm across.

The dark "crackle" breccia matrix is formed by thin anastamosing veinlets of very fine opaques that may be amorphous carbon (individual grains of the 1-5 micron size), plus some coarser (0.1 mm) ?pyrite.

Veins crossing the rock are composed of quartz and later, more continuous carbonate and quartz. Quartz grains are anhedral and up to 0.5 mm across; carbonate is bladed and up to 0.75 mm long. There is also a little opaque in the veins. The small size of the fluid inclusions in the quartz, and their "wispy" texture (secondary habit) suggests that the quartz is mesothermal.

2-153.00m: INTENSELY CARBONATE-SERICITE-QUARTZ ALTERED AND VEINED ?TUFFACEOUS VOLCANIC ROCK

Grey, intensely brecciated rock cut by several generations of veins ranging from early white quartz-minor carbonate up to 1 cm thick to later grey carbonate-sericite of lesser thickness but greater abundance. The rock fragments appear to be of a volcanic rock, probably similar to the previous specimen. Minor pyrite is visible, and the carbonate reacts to cold dilute HCl. In thin section, the mineralogy is approximately as follows:

Carbonate (mainly calcite, ?minor dolomite)	40%
Sericite (muscovite)	30%
Quartz (secondary)	15%
Opaques (?carbon, relict Fe-Ti oxides)	10%
Pyrite	3%
Clay (vein fillings)	2%

This is an intensely altered rock, with almost no relict textures or minerals left in thin section; the hand ?specimen is more revealing of the origin. About half of the rock is made up of vein material of the several generations, composing mainly carbonate with minor quartz, quartz with minor carbonate, or rarely clay with quartz and carbonate. The rest of the rock consists of a foliated to crudely layered mass of carbonate and sericite plus minor opaques.

The major veins consist of subhedral to anhedral quartz and carbonate grains up to 2 mm long. This carbonate is relatively clear and with lower relief; it is probably calcite. Opaques, and particularly pyrite, are absent from these veins. Thinner, more irregular veins consist of two carbonates (one with higher relief and cloudy character, probably dolomite or ankerite by its rusty stain in thin section, and the other calcite). In one vein, a central portion is filled by extremely fine-grained (10-20 micron) ?clay mineral with low birefringence and a wavy rod-like habit rather like that of halloysite, a member of the kaolin group.

In the rock itself, possible ?relic mafic and plagioclase crystals up to 2 mm long are pseudomorphed by muscovite, carbonate and a little opaque and quartz. The matrix has a ?flow-banded look to it and is replaced by the same minerals, with more sericite than carbonate. One fragment of former volcanic rock has 0.5 mm rounded sericite ?pseudomorphs after plagioclase or amygdules in a completely carbonate replaced matrix. Most of this carbonate appears to be dolomite or ankerite.

The presence of apparent clast of differing lithology suggests that this was a fragmental volcanic before intense alteration to carbonate, sericite and minor quartz.

2-205.60 m: ALBITE-CARBONATE-SERICITE ALTERED, QUARTZ-CARBONATE VEINED AND PYRITIC ?HIGH-LEVEL INTRUSIVE DIORITE

Light grey intensely altered rock probably of similar derivation to the previous two (i.e. volcanic) but with the texture largely destroyed by alteration and intense, white ptygmatic (folded) carbonate-minor quartz veining. There is more pyrite than in the previous specimens; parts of the the rock react to cold dilute HCl without powdering. In thin section, the mineralogy is approximately as follows:

Relict plagioclase (albite)	35%
Carbonate (dolomite-ankerite veins)	15%
Quartz (secondary; veins and diseminated)	15%
Sericite	15%
Carbonate (calcite, veins and disseminated)	10%
Opaque (carbon, pyrite, Fe-Ti oxides)	10%

The bulk of this rock is made up of relict albitized plagioclase grains, with the interstices filled by fine opaque material. The plagioclase is anhedral to subhedral and up to 0.5 mm long; it is moderately altered to fine (0.03 mm) sericite and minor carbonate. The carbonate may be calcite or dolomite. The interstitial opaque material consists of anhedral to subhedral 10-30 micron diameter grains that may be carbon, Fe-Ti oxides, and some pyrite.

Pyrite is found throughout the rock as subhedral grains up to 1.5 mm in diameter. The other opaques cannot be identified with certainty without a polished surface to examine.

About 50% of the rock consists of vein material, principally very coarse (1-2 mm) anhedral to subhedral quartz and carbonate grains. The carbonate consist of mainly high-relief, rusty stained ?dolomite or ankerite, but there is also some slightly finer-grained, lower relief calcite. The quartz is strongly fractured and strained (undulose extinction) and contains abundant secondary fluid inclusions along wispy trails characteristic of mesothermal deposition. Most are less than 3 microns in size and would not provide microthermometric data, however.

This is clearly a former igneous rock, with abundant relict plagioclase (but no K-feldspar, as indicated by the absence of yellow stain in the etched slab). The texture is somewhat different from the two previous specimens in this hole, with a more even, granular texture and no indications of phenocrysts. It may have been a high-level intrusive of about dioritic composition, altered to albite-carbonate-sericite and veined by carbonate-quartz.

3-32.45m: SERICITE-ALKALI FELDSPAR-CARBONATE-PYRITE ALTERED FINE ?LAPILLI-CRYSTAL TUFF

Fine-grained, grey-green, stronly altered and pyritized volcanic rock with a tuffaceous appearance in the sawn slab. The stained slab shows the presence of K-feldspar; the rock is not magnetic, and does not react to cold dilute HCl. In thin section, the minerals are approximately as follows:

Sericite (muscovite)	25%
K-feldspar (?secondary)	20%
Alkali feldspar (?albite)	20%
Carbonate (?dolomite)	15%
Opaque (mainly pyrite)	10%
Chlorite	5%
Quartz (partly secondary)	5%
Sphene, leucoxene	<1%

This rock is composed of patches, up to 0.5 mm across, of fine-grained feldspar set in a matrix of sericite, carbonate and lesser chlorite. The patches contain mainly an ?albitic alkali feldspar and K-feldspar as intergrown anhedral to subhedral grains 0.1 mm or less in size. Little quartz can be seen in these areas; they probably represent altered plagioclase feldspars, the white areas in the hand specimen. The two feldspars are rarely distinguishable in thin section since they have similar relief; however, a few are twinned, indicating albite. Both types are secondary feldspar.

In between are patches of carbonate, or chlorite and opaques, that may represent the relict sites of mafic minerals. These were up to 0.7 mm long. Carbonate forms tightly interlocked anhedral grains up to 0.1 mm diameter; chlorite is very fine, 0.025 mm or less, and mixed with minor sericite. The opaques have the look of very fine sphene and leucoxene.

The matrix consists generally of fine (0.025 mm or less) flakes of sericite and lesser chlorite, plus abundant pyrite and minor sphene. The sericite is slightly sheared (foliated). Pyrite forms subhedral to euhedral cubic grains up to 0.3 mm in diameter; sphene is subhedral and up to only 0.025 mm across. There are rare thin (0.25 mm thick) quartz-pyrite-carbonate-minor sphalerite (?) veins in which the grain size is about 0.1 mm. The ?sphalerite has extremely high relief and is isotropic; its lack of colour suggests a low Fe content.

Although very altered to a phyllic-potasic assemblage (sericite-alkali feldspar-carbonate-chlorite-pyrite), the texture of this rock is suggestive of an extrusive, possibly tuffaceous origin. If the relict textures described above are correct, then the crowded, possibly broken phenocrysts of ?plagioclase and mafic mineral, and vaguely defined fragments, suggest a fine crystal or lapilli tuff of intermediate to mafic composition such as andesite.

3-208.40m: ALBITE-CHLORITE-CARBONATE ALTERED, POTASSIC MAFIC-INTERMEDIATE VOLCANIC PORPHYRY

Grey-green, fine-grained, very potassic rock laced by a network of fine dark hairline fractures and thicker stockwork of white calcite veins. There is also abundant calcite in the matrix with the K-feldspar that stains yellow in the etched slab. The rock is not magnetic. In the thin section, the mineralogy is approximately as follows:

Plagioclase (albite: phenocrysts and matrix)	35%
K-feldspar (probably primary)	25%
Chlorite (after mafic phenocrysts and matrix)	15%
Carbonate veins and disseminated)	15%
Opaques (Fe-Ti oxides and minor pyrite)	5%
Sericite	3%
Quartz (mainly in veins)	2%

This appears to be an unusually potassic, mafic to intermediate volcanic rock. It is composed of phenocrysts of plagioclase and relict mafics in a groundmass largely of K-feldspar.

Plagioclase forms euhedral phenocrysts up to 0.7 mm long with a presently albitic composition (An_0) based on extinction angles Y^010 of about 15 degrees and an altered appearance. They are flecked by minor fine (0.02 mm) sericite and carbonate grains. Microlites (fine euhedral laths up to 0.1 mm long) of plagioclase are also abundant in the matrix; they now are probably of the same albitic composition, although too fine to determine. Plagioclase in this rock was probably originally more calcic.

Mafic relics are common, and have euhedral shapes up to 3 mm long that suggest former clinopyroxene phenocrysts. They are now pseudomorphed by chlorite, sericite, minor carbonate, quartz, alkali feldspar and opaques. Rarely, the chlorite shows anomalous interference colours indicative of high Fe contents. The chlorite and sericite form very fine flakes up to 20 microns in diameter; carbonate is rarely over 0.05 mm; quartz and feldspar are up to 0.1 mm across. The opaques are not determinable in the absence of a polished surface, but form subhedral 10-20 micron grains mainly dispersed along a fine fracture network.

The matrix consists of intergrown 0.1 mm or less K-feldspar and minor chlorite, plus traces of opaque oxides (sphene, leucoxene) hosting plagioclase microlites. This is atypical of a normal mafic-intermediate volcanic mainly by the abundance of K-feldspar. Sphene forms minute (10-20 micron) subhedral grains; the others may be ilmenite or leucoxene.

The network of dark hairline fractures appears to be an alteration feature rather than an expression of a fragmental volcanic rock. The opaques are very fine, 10-30 microns, and subhedral. Calcite veins are up to 2 mm thick and composed of interlocking anhedral 0.5 mm grains with minor finer quartz and no sulfides.

APPENDIX F
DRILL LOGS

INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG

PRINT DATE: October 23, 1990

BOREHOLE # : **DDH90-1**
PROJECT : **ROSSBANK/MARSH LAKE**
PROPERTY NAME : **ROSSBANK**

Level	: Surface	Grid name	: Creek Zone
Dip	: -45°	Section	: 50+25E
BL azimuth	: 121°		
BH bearing	: 211°		
Heading	:	Date started	: 07/08/90
Latitude	: 50+03N	Date completed	: 17/08/90
Departure	: 50+25E		
Elevation	: 702m	Advance (horiz.)	: 81.03m
Hole Length	: 114.60m	Depth (vert.)	: 81.03m

NTS/Quad : 105D/10
Country : Canada
Prov./State/Terr. : Yukon Territory
Twp/County :
Claim # : Rossbank 1 (YA86000)

Logged by : R.A.Doherty, R. Hulstein
Drilled by : Caron Diamond Drilling Ltd.
Drill type : Longyear Super 38
Core Size : NQ
Analytical : Acme Analytical; Au (FA+AA Finish) & 30 element ICP.

DEVIATION RECORDS

Depth	: Collar
Azimuth	: 211°
Dip	: -45°
Depth	:N/A
Azimuth	:N/A
Dip	:N/A

COMMENTS

Purpose: Test a shear or fault zone (Marsh Lake Fault) covered by overburden and the Alaska Highway suspected of hosting quartz-gold bearing zones.

Recovery 100% unless otherwise noted.
Core stored: Caron Diamond Drilling yard at McRae, Y.T.
Other: Hole abandoned due to tight ground. 280 feet of HQ rod left in hole. Drill hole collar not surveyed. Location by chain and compass.

AURUM GEOLOGICAL CONSULTANTS INC.

Client: INCO EXPLORATION AND TECHNICAL SERVICES INC. DIAMOND DRILL LOG Hole No. 90-1

Property: Rossbank/Marsh NTS: 105D/10 Elevation: approx. 702m Azimith:211 deg Length: 114.60m Dip: -45 deg. Date started: 07/08/90

Coord.: 50+25E/50+03N Core size: NQWL Drilled by: Caron Diamond Drilling Drill Type: Longyear 38 Logged by: R.A.D./R.H. Date compltd:17/08/90

Interval From	To	Rec%	RQD	DESCRIPTION	Fol	Py %	Interval From	To	Width	Sample Number	Au ppb	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	Wt Avg Au ppb
0.00	17.00			OVERBURDEN: Fine-grained lacustrine clay & sand with cobbles and boulders. Cored one meter wide boulder of Triassic Augite Porphyry basalt. At 10.30-10.90 meters. 10.79-11.58m. Recovered 20cm of a clay cemented Quartz fragment breccia. Possibly a fault gouge.													
17.00	19.50			SHEARED SERPENTINITE: Dark black & green -olive green serpentinite composed of remnant mafics, olivine and pyroxene hydrate to antigonite/talc/brucite strongly magnetic. Foliated 20-40 deg.to c/a, very regular spaced mm. scale veinlets of brucite/talc. Very fine-grained magnetite throughout section. Occasional very fine grained metallic pyrite.	40		17.00	19.00	2.00	75276	4	0.1	10	2	2	21	
							19.00	19.50	0.50	75277	1	0.1	8	2	2	20	
19.50	20.12			LOST 0.72 METERS													
20.12	29.26			CALCAREOUS SEDIMENT ? (MYLONITE)? Light black and grey banded sediment, calcareous, graphitic (may be totally mylonitized rock, graphite on cleavage partings, non-magnetic) - 1% fine-grained brassy & silver grey pyrite cubes. - blebs and bands of coarser brassy pyrite associated with calcite veins. - calcareous throughout interval. - upper part more silicious. Lower part more graphitic.	8	1	20.12	20.42	0.30	75278	4	0.1	2	2	2	11	
							20.42	21.34	0.92	lost							
							21.34	22.34	1.00	75279	23	0.1	3	2	5	62	
							22.34	23.34	1.00	75280	2	0.1	4	2	4	50	
							23.34	24.34	1.00	75281	3	0.2	5	2	4	56	
							24.34	24.99	0.65	72582	3	0.3	7	2	4	52	
							24.99	25.45	0.46	lost							

Interval From	To	Rec%	RQD	DESCRIPTION	Fol	Py %	Interval From	To	Width	Sample Number	Au* ppb	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	Wt Avg Au ppb
				- fine network of mm calcite veinlets showing ladder structure. Some deformation of offsets.			25.45	26.06	0.61	75283	4	0.5	5	2	5	107	
							26.06	26.16	0.10	lost							
							26.16	26.97	0.81	75284	8	0.3	5	2	3	94	
				20.24-21.34 LOST CORE 0%			26.97	28.04	1.07	75285	1	0.1	3	2	2	73	
				21.34-22.25 100% recovery 100%													
				22.25-23.15 10cm recovered over 90cm 11%			28.04	29.00	0.96	75286	2	0.3	2	2	2	63	
				23.15-23.77 30cm recovered over 62cm 48%													
				23.77-24.54 41cm recovered over 77cm 53%													
				24.54-24.99 20cm recovered over 45cm 44%													
				24.99-25.45 46cm recovered over 46cm 100%													
				25.45-28.04													
				28.04-28.65 40cm recovered over 61cm 65%													
				28.65-29.26 25cm recovered over 61cm 40%													
				29.26-29.87 10cm recovered over 61cm 16%													
29.26	31.17	42		FAULT ZONE: FAULT & BRECCIATED SERPENTINITE. Medium green - chlorite with white flaky clays non-calcareous, talcose.		30	29.00	30.00	1.00	75287	1	0.1	11	2	2	75	
				30.00-30.17: medium grey - sheared as above.			30.00	31.00	1.00	75288	3	0.1	3	2	2	32	
31.17	35.80			LIGHT - MEDIUM GREEN SHEARED SERPENTINITE.		65	31.00	32.00	1.00	75289	6	0.1	17	2	2	19	
				20% Light grey - white clays.		90											
				80% chlorite.		0	32.00	33.00	1.00	75290	17	0.1	9	2	2	23	
				10% green clays.													
				Shearing increases towards 35.80.			33.00	34.00	1.00	75291	14	0.1	7	2	2	28	
				33.87-35.80 medium green, 10% light clays.													
							34.00	35.00	1.00	75292	3	0.1	6	2	2	25	

AURUM GEOLOGICAL CONSULTANTS INC.

Client: INCO EXPLORATION AND TECHNICAL SERVICES INC. DIAMOND DRILL LOG Hole No. 90-1

Property: Rossbank/Marsh NTS: 105D/10 Elevation: approx. 702m Azimith:211 deg Length: 114.60m Dip:-45 deg. Date started: 07/08/90

Coord.: 50+25E/50+03N Core size: NQWL Drilled by: Caron Diamond Drilling Drill Type: Longyear 38 Logged by:R.A.D./R.H. Date compltd: 17/08/90

Interval From	To	Rec%	RQD	DESCRIPTION	Fol	Py %	Interval From	To	Width	Sample Number	Au' ppb	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	Wt Avg Au ppb/m
				& 10 deg. shear with trace graphite to 37.10 non magnetic, foliation could also be tectonicly disrupted laminations.	10		37.10	37.94	0.84	75295	18	0.4	4	2	2	26	
37.10	114.60			SHEARED AND LOCALLY FAULTED SERPENTINITE OLIVE GREEN AND DARK BLACK.													
				- similiar to 17.0-19.5m; 31.17-35.80m strongly magnetic, noncalcareous, nonsiliceous core is soft and broken; R.Q.D.=0.	60												
				- crosscut by anastomosing white and light green clay - talc, brucite veinlets.													
				- remnant mafics (olivine and pyroxene) hydrated to antigonite, talc, brucite.													
				- minor hematite patches on fractures.													
				- local calcite(rare) and dolomite veinlets and veins.													
				- no mariposite present.													
				37.30; 1.0 cm dolomite veinlet.	90												
				37.94-38.27: FOLIATED DARK GREY SILTSTONE.	55		37.94	38.27	0.33	75296	15	0.2	11	2	2	25	
				- similiar to 35.80-37.10.													
				- contorted, strongly sheared, brecciated with rounded 1mm dolomite clasts.			38.27	40.39	2.12	75297	8	0.3	7	2	2	27	
				- 5cm white clay gouge zone, noncalcareous.	60		40.39	42.00	1.61	75298	6	0.3	8	3	2	29	
				- sharp lower contact, shear.	70												
				42.50 - E.O.H.; core is; 50% chips, pieces filling box; 50% round (normal) sheared			42.00	44.20	2.20	75298A	15	0.3	2	2	2	28	
				core.			44.20	45.70	1.50	75299	14	0.3	2	2	2	30	
				Foliation and Shear at 30 deg..	30												
				49.65-49.85: 20% grey clay gouge			45.70	47.24	1.54	75300	5	0.1	2	2	3	28	
				53.00 "wavey" contorted shear foliation													

Interval From	To	Rec%	RQD	DESCRIPTION	Fol	Py %	Interval From	To	Width	Sample Number	Au ppb	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	Wt Avg Au ppb
							47.24	48.77	1.53	75301	8	0.2	5	2	2	25	
							48.77	50.60	1.83	75302	1	0.3	7	2	3	26	
							50.60	52.12	1.52	75303	7	0.2	2	2	2	30	
37.10	114.60			SERPENTINITE CONTINUED.			52.12	53.34	1.22	75304	1	0.3	7	2	2	27	
con't.							53.34	55.47	2.13	75305	2	0.2	2	2	2	28	
				54.25-55.47: poor recovery, talcose "mush".	45		55.47	57.50	2.03	75306	6	0.2	2	2	2	30	
				56.69 foliation varies 45-90 deg.	70		57.50	58.98	1.48	75307	6	0.2	2	2	2	29	
				58.98 foliation varies 45-90 deg.	45		58.98	61.27	2.29	75308	3	0.2	2	2	2	29	
				60.05 foliation varies 45-90 deg.	70		61.27	62.79	1.52	75309	4	0.3	3	3	2	31	
				64.62-74.98: core more massive less chips	45		62.79	64.62	1.83	75310	3	0.1	2	2	2	27	
				numerous anastomosing talc, clay veinlets	45		64.62	66.65	2.03	75311	4	0.2	5	2	4	34	
				trace amounts of disseminated calcite	70		66.65	68.43	1.78	75312	7	0.1	2	2	6	31	
				numerous slickenslides.			68.43	70.26	1.83	75313	1	0.1	2	2	2	26	
				75.00:	45		70.26	71.93	1.67	75314	5	0.1	2	2	3	28	
				78.00:	70		71.93	74.00	2.07	75315	3	0.1	2	2	2	27	
				79.55:	50		74.00	76.00	2.00	75316	1	0.1	2	2	3	28	
				81.00:	30		76.00	78.03	2.03	75317	3	0.1	2	3	3	31	
				82.60:	10		78.03	79.55	1.52	75318	4	0.1	2	2	2	31	
				83.00:	30		79.55	81.08	1.53	75319	1	0.1	2	3	8	32	
				83.50:	30		81.08	83.00	1.92	75320	5	0.1	3	3	3	32	
				84.20:	20		83.00	85.00	2.00	75321	1	0.1	6	2	2	30	
				85.00 - E.O.H.; Local crushed zones 10-20	40		85.00	87.17	2.17	75322	1	0.1	2	2	5	30	
				cm wide approximately 20% clays/gouge.			87.17	89.00	1.83	75323	4	0.1	4	2	2	30	
				87.17:	10		89.00	91.00	2.00	75324	3	0.1	2	2	4	30	
				88.00: contorted foliation.	90		91.00	93.11	2.11	75325	1	0.1	2	2	3	30	
				89.30-89.64: crushed/gouge zone.			93.11	94.48	1.37	75326	4	0.1	2	2	5	30	
				90.00:	10		94.48	96.31	1.83	75327	6	0.1	3	2	2	28	
				91.00: white "tremolite" fibrous crystal	45		96.31	97.84	1.53	75328	7	0.1	2	2	2	26	
				growths on sheared surface: slickenslides.			97.84	99.36	1.52	75329	4	0.1	2	3	2	24	
				91.44:	30		99.36	101.50	2.14	75330	7	0.1	2	2	5	25	
				92.50-97.84: crushed/gouge zone: 10-20% clays.	90		101.50	103.50	2.00	75331	2	0.1	2	2	3	26	
				93.00:	70												
				98.00:	45												
				100.00:	50												
				101.60:	35												
				103.60: 3 cm grey clay gouge.	40		103.50	105.46	1.96	75332	3	0.1	2	2	2	32	
				103.60-106.07: poor recovery - crushed serpentinite.	55		105.46	106.07	0.61	75333	1	0.1	3	2	3	30	
				106.07-106.98: No recovery except some													
				sheared serpentinite pieces - "save" material													

AURUM GEOLOGICAL CONSULTANTS INC.

Client: INCO EXPLORATION AND TECHNICAL SERVICES INC. DIAMOND DRILL LOG Hole No. 90-1

Property: Rossbank/Marsh NTS: 105D/10 Elevation: approx. 702m Azimith:211 deg Length: 114.60m Dip:-45 deg. Date started: 07/08/90

Coord.: 50+25E/50+03N Core size: NQWL Drilled by: Caron Diamond Drilling Drill Type: Longyear 38 Logged by: R.A.D./R.H. Date compltd:17/08/90

Interval From	To	Rec%	RQD	DESCRIPTION	Fol	Py %	Interval From	To	Width	Sample Number	Au ppb	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	Wt Avg Au ppb
37.10	114.60			SHEARED SERPENTINITE CON'T.													
con't.				106.07-106.98: Triconed through zone in an attempt to advance hole.													
				106.98-109.11: Ground core and sheared serpentinite "mush" approximately 10% grey clay gouge.	10		106.98	109.11	2.13	75334	1	11.3	2	2	12	189	
				110.60-110.94: White and grey clay gouge crosscut by 0.5cm wide quartz vein (20 deg. to C.A.)			109.11	110.33	1.22	75335	3	0.1	3	2	2	28	
							110.33	110.94	0.61	75336	9	0.1	3	2	5	27	
				110.60-114.60: Intensely sheared and contorted. White - Light green talcose material with 10% grey clay throughout. Magnetic. foliation predominantly 10-40 deg. to C.A. but "wavey" and tightly folded with abundant (10%) white tremolite on foliated surfaces.	10		110.94	112.92	1.98	75337	3	0.1	2	2	8	27	
					30												
							112.92	114.60	1.68	75338	3	0.1	3	2	2	32	
					70												
					10												
					20												
				E.O.H. 114.60 METERS.													
				Hole abandoned due to tight ground. 280' of HQ rods lost (plus tap) while pulling out.													

INCO EXPLORATION AND TECHNICAL SERVICES INC.
DRILL LOG

PRINT DATE: October 23, 1990

BOREHOLE # : **DDH90-2**
PROJECT : **ROSSBANK/MARSH LAKE**
PROPERTY NAME : **ROSSBANK**

Level	: Surface	Grid name	: Creek Zone
Dip	: -55°	Section	: 50+25E
BL azimuth	: 121°		
BH bearing	: 211°		
Heading	:	Date started	: 21/08/90
Latitude	: 49+40N	Date completed	: 09/09/90
Departure	: 50+30E		
Elevation	: 690m	Advance (horiz.)	: 145.27m
Hole Length	: 253.28m	Depth (vert.)	: 207.47m

NTS/Quad : 105D/10
Country : Canada
Prov./State/Terr. : Yukon Territory
Twp/County :
Claim # : Rossbank 1 (YA86000)

Logged by : R.A.Doherty, R. Hulstein
Drilled by : Caron Diamond Drilling Ltd.
Drill type : Longyear Super 38
Core Size : 0.00-191.41m = HQ; 191.41-253.28m = NQ
Analytical : Acme Analytical; Au (FA+AA Finish) & 30 element ICP.

DEVIATION RECORDS

Depth : Collar
Azimuth : 211°
Dip : -55°

Depth	: 121.92m	255.42m
Azimuth	: N/A (acid test)	N/A (acid test)
Dip	: -56°	-55°

COMMENTS

Purpose: Test a shear or fault zone (Marsh Lake Fault) covered by overburden and the Alaska Highway suspected of hosting quartz-gold bearing zones. Same target as DDH90-1.

Recovery 100% unless otherwise noted.
Core stored: Caron Diamond Drilling yard at McRae, Y.T.
Other: Drill hole collar not surveyed. Location by chain and compass.

AURUM GEOLOGICAL CONSULTANTS INC.

Client: INCO EXPLORATION AND TECHNICAL SERVICES INC. — DIAMOND DRILL LOG Hole No. 90-2 —

Property: Rossbank/Marsh — NTS: 105D/10 — Elevation: 690m — Azimith:211deg Length:253.28m — Dip:-55 deg. — Date started: 21/08/90

Coord.: 50+30E/49+40N — Core Size: NQWL — Drilled by: Caron Diamond Drilling — Drill Type: Longyear 38 — Logged by:R.W.H. — Date compltd: 09/09/90

Interval From	To	Rec%	RQD	DESCRIPTION	Fol	Py %	Interval From	To	Width	Samp.#	Au ppb	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	Wg Avg Au ppb/m
0.00	1.93			OVERBURDEN - No recovery													
1.93	4.71			**SHEARED SILTSTONE(with reworked tuff clasts):** Dark grey, gougy(10%), tuffaceous, basalt clasts 3.20-3.35m, contorted, minor dolomite. Noncalcareous, non magnetic, trace pyrite minor graphite in sheared zones (approx. 5%).	10 to 90		1.93	2.43	0.50	75339	4	0.1	3	2	6	26	
							2.43	4.03	1.60	75340	19	0.1	43	4	5	65	
				4.03-4.71: brecciated, cemented by dolomite minor silica (dark grey patches) numerous discontinuous crosscutting veinlets 1-4mm upper contact gradational over 10cm with limonite coated fractures & gouge.	15		4.03	4.71	0.68	75341	19	0.1	449	150	2	34	
				upper contact (?)	50												
				lower contact (?): gradational over 20cm	30												
4.71	5.16			SILICEOUS ZONE (QUARTZ VEIN): brecciated			4.71	5.16	0.45	75342	22	0.2	900	50	2	16	
				upper contact.	30												
				Lower contact.	25												
				Dark light grey cut by white quartz veinlets ankerite, limonite on fractures.	30												
				One 5mm quartz vein with open spaces-cockscomb textures, 5% green mariposite patches (mariposite).	10												
5.16	11.32			SHEARED SILTSTONE: Similar to 1.93-4.71 grey, sheared/foliated, laminated (10-20 deg.) locally silified & cut by quartz veinlets	20 tr												
				minor graphite on sheared surfaces-	35												
				gougy - broken zones at 8.07-8.47; 9.75-10.05; 10.41-10.61m. Disseminated dolomite,ankerite													

Interval From	To	Rec%	RQD	DESCRIPTION	Fol	Py	%	Interval From	To	Width	Samp.#	Au ppb	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	Wg Avg Au ppb/m
5.16 con't.	11.32			SHEARED SILTSTONE (CON'T).														
				5.16-6.24: Sheared and strongly brecciated with 20% irregular rounded quartz clasts containing trace disseminated pyrite. Pyrite veinlets irregular and less than 3mm wide throughout bleached - siliceous zones with Cr. mica - mariposite.	15	4	5.16	6.24	1.08	75343	249	0.1	406	30	6	41	
				6.24-6.53: siliceous - quartz veinlets, no pyrite crosscut by strong limonite coated fracture.	0	Tr	6.24	7.62	1.38	75344	30	0.1	52	17	5	68	
								7.62	9.44	1.82	75345	18	0.3	65	19	6	83	
				10.44-10.05: Laminated with parallel quartz bands and or laminations - brecciated by blebs in more massive sections, dolomite/ankerite disseminated throughout.	35	Tr	9.44	10.97	1.53	75346	72	0.5	223	20	7	72	
				10.97-11.32: Quartz vein (siliceous zone) banded white Quartz and siliceous siltstone. Brecciated and vuggy with pyrite filling and veinlets. Medium green and black clayey gouge (<1cm) on contacts (decomposed pyrite?). Nonmagnetic, noncalcareous.	25	10	10.97	11.32	0.35	75347	35	0.1	225	166	2	23	
11.32	49.28			SHEARED SERPENTINITE. - Olive green - black, composed of remnant pyroxene, mafics altered to clays, micas, chlorite and talc (antigorite and brucite). Strongly sheared - foliated. - similiar to DDH 90-1 (17.0-19.5; 29.26-31.27, 37.10-114.60. Magnetic throughout. Crosscut by anastomosing veinlets of clay, talc, micas and chlorite (mixture). Light green to white in color. - Tremolite/actinolite on slickenslide surfaces. - 13.10-13.40: calcite veinlet (1cm wide with 50% breccia angular serpentinite clasts (<0.5cm).	35 40 10	0											

AURUM GEOLOGICAL CONSULTANTS INC.

Client: INCO EXPLORATION AND TECHNICAL SERVICES INC.

Property: Rossbank/Marsh NTS: 105D/10 Elevation: 690m

Coord.: 50+30E/49+40N Core Size: NQWL Drilled by: Caron Diamond Drilling

DIAMOND DRILL LOG Hole No. 90-2

Azimith:211deg Length:253.28m Dip:-55 deg.

Drill Type: Longyear 38 Logged by: R.W.H.

Date started: 21/08/90

Date compltd: 09/09/90

Interval From	To	Rec%	RQD	DESCRIPTION	Fol	Py %	Interval From	To	Width	Samp.#	Au ppb	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	Wg Avg Au ppb/m
11.32	49.28			SHEARED SERPENTINITE CON'T.													
con't.				11.32-11.88: Intensely sheared and brecciated. Green-black clays/powder on shear surfaces. Weakly calcareous approximately 2% mariposite, amount increases towards 11.32m (upper contact). Lower contact gradational with shearing intensity decreasing. Limonite and clay coated fracture at 11.88m. Filled with 4mm calcite veinlet. (20 deg. to C.A.).	40	Tr	11.32	11.88	0.56	75348	6	0.2	16	14	2	41
							11.88	13.10	1.22	75349	2	0.1	10	12	3	21	
							13.10	14.63	1.53	75350	1	0.1	27	12	3	27	
						30											
				15.10: Bleached calcareous shear zone 20 cm wide.			14.63	15.69	1.06	75351	1	0.1	19	3	2	24	
				15.69-38.25: Intensely sheared serpentinite.		10	15.69	17.06	1.37	75352	6	0.1	8	2	2	34	
				Approximately 30% clay, 30% talc throughout.		30	17.06	18.89	1.83	75353	1	0.1	4	2	2	24	
				No remnant features of original rock visible. Weakly and variably calcareous.		40											
				Magnetic. Very poor recovery at 22.77-25.29													
				2.5 cm quartz vein at 15 deg. to C.A. at 19.00-19.20m			18.89	20.72	1.83	75354	4	0.1	2	2	2	29	
				Very poor recovery at 22.77-25.29m		15	20.72	22.77	2.05	75355	12	0.1	3	2	2	27	
							22.77	25.29	2.52	75356	2	0.1	3	2	2	31	
				31.10-32.40: Sheared-gougy serpentinite with		15	25.29	27.73	2.44	75357	1	0.1	2	3	3	33	
				white porcelanite (quartz) vein. Irregular			27.73	29.87	2.14	75358	8	0.1	2	2	2	33	
				and brecciated. Porcelanite not as hard			29.87	31.10	1.23	75359	6	0.2	21	2	2	31	
				as quartz. White aphanitic and featureless.			31.10	32.40	1.30	75360	6	0.1	20	2	4	18	
				Same as Quartz vein at 19.00-19.20m.													
							32.40	34.44	2.04	75361	7	0.1	2	2	4	43	
				35.66-35.96: Caved material.			34.44	35.66	1.22	75362	5	0.2	12	2	12	26	
				Poor recovery 34.44-38.25		80	35.66	35.96	0.30	75363	1	0.7	10	4	5	34	
				Sheared contact at 38.25m is gradational		40	35.96	38.25	2.29	75364	6	0.4	8	2	4	29	
				over 20cm and grades into dark green-black Massive serpentinite.													

Interval From	To	Rec%	RQD	DESCRIPTION	Fol	Py %	Interval From	To	Width	Samp.#	Au ppb	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	Wg Avg Au ppb/m
11.32	49.28			SHEARED SERPENTINITE CON'T.			38.25	39.92	1.67	75365	1	0.2	7	2	2	33	
con't.				38.25-43.58: Massive dark green-black	45		39.92	41.45	1.53	75366	4	0.1	12	2	2	27	
				serpentinite. Relic pyroxene and olivine crystals.			41.45	42.97	1.52	75367	4	0.5	4	2	8	28	
							42.97	43.58	0.61	75368	11	0.1	10	2	2	31	
				43.58-44.04: Sheared gougy serpentinite, 50%	65		43.58	44.04	0.46	75369	7	0.5	5	2	5	28	
				clay and talcose material, upper contact at 65 deg.													
							44.04	45.11	1.07	75370	6	0.1	8	2	2	33	
				44.04-48.15: As 38.52-43.58	30		45.11	46.93	1.82	75371	3	0.2	6	2	2	32	
					70		46.93	48.58	1.65	75372	3	0.2	10	2	2	31	
				48.58-49.28: Bleached Serpentinite.	30		48.58	49.28	0.70	75373	202	0.2	1016	74	2	20	
				Lower contact is a sharp shear @ 45 deg.	45												
				partly silicified 49.05-47.25 in 1mm-10mm	45												
				bands and blebs(50%). Bleaching increases													
				towards 49.25m. Minor anastomosing quartz veinlets.													
				Trace mariposite.													
49.28	99.97			GREY SILTSTONE.													
				Predominantly brecciated (siltstone breccia)													
				50% sheared with graphite and/or gouge.													
				Locally laminated. Approximately 1% pyite													
				disseminated throughout as specks, blebs													
				(<1cm across) and minor veinlets on fractures.													
				Local silicified zones (+ or - brecciation)													
				of grey of grey silicified siltstone crosscut by													
				irregular white quartz veins and/or breccia													
				filling. Rare calcite veinlets, calcite breccia													
				filling. Rock is very rarely calcareous.													
				Where brecciated the matrix is usually													
				a dark grey "comminuted" lithified clay.													
				Clasts (2cm and subrounded where sheared													
				and angular (<10cm) where shearing is less pervasive.													
				Pyrite content increases in dark grey (graphitic)													
				lithified clay matrix.													

Interval From	To	Rec%	RQD	DESCRIPTION	Fol	Py %	Interval From	To	Width	Samp.#	Au ppb	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	Wg Avg Au ppb/m
49.28	99.97			SHEARED SILTSTONE CON'T.													
con't.							49.28	50.59	1.31	75374	1310	0.1	698	18	2	121	
				49.28-51.51: Sheared "faulted" siltstone	15	1											
				Light Green-grey at 49.28 and grades to			50.59	51.51	0.92	75375	180	0.2	119	37	12	68	
				dark grey (graphitic) at 51.51. Approximately 30%													
				gouge with 0.45m gouge zone at upper	45												
				contact. Brecciated and crosscut by													
				thin irregular dolomite and quartz veins. Clasts of													
				subrounded quartz <2cm across and previously breccia	90												
				silicified siltstone (ie. at least 2 phases of													
				breccia and quartz veining). Graphitic coated fractures													
				from 51.30-51.51m. Disseminated pyrite throughout, pre-													
				dominantly in matrix. Clasts 60%, Grey													
				lithified and or silicified matrix 40%, clast supported.	30												
				51.51-53.03: silicified siltstone breccia.	10	1	51.51	53.03	1.52	75376	72	0.4	109	44	15	128	
				Clasts approximately 15cm across in grey lithified													
				laminated clay-siltstone (non-sil) matrix													
				(<20% matrix) of fracture fillings. 20% white													
				quartz veins-breccia matrix.													
				53.03-56.75 sheared and brecciated siltstone.	25	1	53.03	54.25	1.22	75377	76	0.7	218	24	5	155	
				60% rounded to subrounded quartz, silicified			54.25	55.47	1.22	75378	120	0.1	271	19	4	105	
				siltstone and siltstone clasts (<3cm across) in			55.47	56.75	1.28	75379	63	0.2	80	28	6	108	
				lithified dark grey graphitic matrix.													
				56.75-58.12: silicified siltstone breccia	25	0.5	56.75	58.12	1.37	75380	38	0.3	28	12	4	77	
				as per 51.51-53.13													
				stylolite line at 57.00m													
				58.12-99.97: Sheared brecciated siltstone.	45	1	58.12	59.13	1.01	75381	156	0.2	287	29	5	138	
				Minor quartz veinlets, graphite on shear surfaces.			59.13	60.90	1.77	75382	268	0.6	168	32	9	225	
				Locally laminated, 15 deg. to C.A.			60.90	62.00	1.10	75383	209	0.4	287	37	9	179	
				- 62.00-63.39: gouge with ground quartz	40	1	62.00	63.39	1.39	75384	491	0.7	201	38	14	233	
				fragments.													
				- 63.39-64.10: silicified, crosscut by quartz veinlets	25	Tr	63.39	64.10	0.71	75385	112	0.1	147	14	8	67	

Interval From	To	Rec%	RQD	DESCRIPTION	Fol	Py %	Interval From	To	Width	Samp.#	Au ppb	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	Wg Avg Au ppb/m
49.28	99.97			GREY SILTSTONE CON'T.													
con't.				64.10-64.68: Ground up siltstone, graphitic disseminated pyrite, no quartz veinlets.	25	0.5	64.10	64.68	0.58	75386	263	0.6	149	29	11	244	
				64.68-90.97: Brecciated and sheared siltstone. Breccia zones locally silicified (<5 cm). Minor quartz veinlets, trace carbonate and dolomite (disseminated and veinlets). Minor gouge with graphite zones <20cm wide. Graphite on shear surfaces. Disseminated pyrite and blebs.	10 45	1%	64.68	66.14	1.46	75387	136	0.2	79	23	9	120	
				- 65.25-75.59: Strongly sheared with graphite and 30% graphitic clay gouge.	10	1%	66.14	67.05	0.91	75388	203	0.4	121	34	13	279	
				10% crushed-irregular thin (<1cm) quartz veins			67.05	68.73	1.68	75389	120	0.5	92	30	19	253	
				foliated shear-breccia zones at 10-45 deg. to C.A.			68.73	70.10	1.37	75390	126	0.5	75	31	8	169	
							70.10	72.08	1.98	75391	√667	0.5	317	41	12	225	
				- 74.50-74.82: Light grey "claystone" (?)	15	1%	72.08	74.06	1.98	75392	412	0.6	204	30	9	142	
				with black laminations and paraliel pyrite	10	1%	74.06	74.82	0.76	75393	419	0.1	178	24	11	120	
				blebs-veinlets.			74.82	75.59	0.77	75394	248	0.3	167	18	2	82	
				- 75.59-76.40: Grey siliceous breccia siltstone.	15	1%	75.59	76.40	0.81	75395	88	0.4	152	22	3	91	
							76.40	77.41	1.01	75396	232	0.4	145	37	9	147	
				- 77.41-78.01: poor recovery, graphitic, 30% clay.		1%	77.41	78.01	0.60	75397	131	0.4	152	33	6	193	
				- 82.00-87.78: poor recovery, graphitic, 30% clay.	10	1%	78.01	80.16	2.15	75398	144	0.3	217	24	3	114	
				- 87.78-92.00: poor recovery, graphitic, 15% clay.	45	1%	80.16	81.68	1.52	75399	150	0.7	121	37	14	259	
				specks of mariposite at 87.78m.			81.68	82.60	0.92	75400	86	0.2	70	31	8	150	
							82.60	84.12	1.52	75401	116	0.3	162	32	10	168	
							84.12	85.64	1.52	75402	90	0.4	79	26	6	136	
							85.64	86.56	0.92	75403	239	0.4	270	36	11	152	
							86.56	88.69	2.13	75404	√831	0.4	504	32	6	137	
							88.69	90.83	2.14	75405	158	0.2	102	14	6	42	
							90.83	92.81	1.98	75406	295	0.3	345	29	7	160	
							92.81	93.87	1.06	75407	385	0.2	348	24	2	104	
				- 93.82m: possible specks arsenopyrite.			93.87	95.09	1.22	75408	153	0.2	246	22	2	97	
				- 69.10-96.30: Dark grey clay gouge, 70% clay	15		95.09	96.01	0.92	75409	68	0.1	293	38	2	86	
				graphitic, weakly calcareous, trace pyrite.		Tr	96.01	96.30	0.29	75410	199	0.6	135	30	13	189	
				- 96.30-97.85: 70% grey siliceous, breccia siltstone			96.30	97.85	1.55	75411	110	0.2	112	23	4	66	
				with 30% grey, lithified clay along shears and as breccia matrix, 5% vugs last 20cm.													

Interval From	To	Rec%	RQD	DESCRIPTION	Fol	Py %	Interval From	To	Width	Samp.#	Au ppb	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	Wg Avg Au ppb/m
49.29	99.97			GREY SILTSTONE CON'T.													
con't.				- 97.85-98.14: Sheared with graphite. siliceous fragments-broken core, 15% clay	10	1%	97.85	98.14	0.29	75412	205	0.2	194	28	5	67	
				98.14-99.97: Sheared, brecciated, 20cm gouge at 99.97. Lower contact not visible in core rubble.	15		98.14	99.97	1.83	75413	215	0.3	240	22	4	68	
99.97	123.29			~~RHYOLITE~~ - DACITE - BRECCIA - TUFF.	10	<1%	99.97	101.60	1.63	75414	26	0.2	368	37	2	68	
				- Light tan-grey tuff to breccia tectonically brecciated and altered. Rare clasts of spherulites in massive tuff/breccia (?).	45		101.60	103.02	1.42	75415	103	0.2	218	22	4	63	
							103.02	103.93	0.91	75416	19	0.1	198	66	3	67	
				- 5% disseminated altered (mariposite - epidote - chlorite) feldspars throughout often deformed or elongated by shearing. Some or all			103.93	105.15	1.22	75417	71	0.3	283	36	2	82	
				could be tuffaceous shards or clasts.			105.15	106.68	1.53	75418	4	0.1	120	27	2	80	
				- Rhyolite/dacite tuff has been brecciated and shattered and locally sheared. Clasts			106.68	107.89	1.21	75419	125	0.2	300	33	2	87	
				are angular except in shear zones where they are rounded and elongated. Predominantly			107.89	108.96	1.07	75420	9	0.1	116	30	2	83	
				clast supported. Matrix (10%) of dark grey lithified clay-chlorite(?). Matrix			108.96	110.49	1.53	75421	14	0.1	135	16	2	101	
				contains disseminated fine grained pyrite and pyrite blebs.													
				- Shearing predominantly at 10-20 deg., quartz veining, fractures and/or shears at 45 deg. often			110.49	111.86	1.37	75422	76	0.1	345	41	2	105	
				cutting low angle 10-20 deg. shears.			111.86	113.38	1.52	75423	13	0.1	129	43	3	87	
				-101.60-102.20: rhyolite/dacite in fault contact with graphitic, sheared siltstone, minor quartz	0	<1%	113.38	115.21	1.83	75424	12	0.1	255	40	4	77	
				dolomite veinlets, 5-10% grey clay gouge			115.21	117.15	1.94	75425	76	0.2	296	32	2	81	
				- Hand sample at 107.50m.													
				- 108.96-117.15: approximately 1% disseminated altered (mariposite epidote-chlorite-specks).													
				- 117.15-120.64: Sheared graphitic siltstone approximately 30% clay gouge and 5% quartz-dolomite veinlets.	10	1%											

AURUM GEOLOGICAL CONSULTANTS INC.
Client: INCO EXPLORATION AND TECHNICAL SERVICES INC.
Property: Rossbank/Marsh NTS: 105D/10 Elevation: 690m
Coord.: 50+30E/49+40N Core Size: NQWL Drilled by: Caron Diamond Drilling

DIAMOND DRILL LOG Hole No. 90-2
Azimith:211deg Length:253.28m Dip: -55 deg. Date started: 21/08/90
Drill Type: Longyear 38 Logged by: R.W.H. Date compltd: 09/09/90

Interval From	To	Rec%	RQD	DESCRIPTION	Fol	Py	%	Interval From	To	Width	Samp.#	Au ppb	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	Wg Avg Au ppb/m
99.97	123.29			RHYOLITE/DACITE CON'T.														
con't.				117.15-120.64 con't.: Sheared contacts.	15	1%		117.15	118.56	1.41	75426	108	0.4	196	28	9	115	
				117.15 at 10 deg.				118.56	119.48	0.92	75427	154	0.3	172	34	12	132	
				120.64 at 30 deg.				119.48	120.64	1.16	75428	278	0.5	215	37	17	187	
				120.64-123.29: 5% mariposite, chlorite, epidote	30	0.5		120.64	121.76	1.12	75429	294	0.1	635	39	3	76	
				altered crystals-clasts <0.5 cm across				121.76	123.29	1.53	75430	205	0.1	504	31	2	71	
123.29	152.40			TUFFACEOUS SILTSTONE BRECCIA														
				(similiar to 49.28-99.97)			<0.5											
				Dark to light grey brecciated and sheared. Locally siliceous, siliceous clasts. Fine-grained "andesite" clast at 138.00m. Local strong foliated/shear zone (15 deg.) commonly contain "augen" clasts.														
				123.29-125.87: Dark grey and white siliceous zone, silicified silty tuff(?)	30	0.5		123.29	124.35	1.06	75431	176	0.5	259	30	5	89	
				cut by irregular discontinuous white quartz veinlets. Shear zones (veinlets)				124.35	125.87	1.52	75432	48	0.2	82	13	5	45	
				20% - approximately 1 cm thick at 10-30 deg. to C.A. of: pyritic, graphitic, lithified, nonsiliceous grey clay. Dark grey quartz locally vuggy.														
				125.87-141.00: Brecciated and sheared silty tuff. Sheared predominantly at 10-	20	<0.5		125.87	127.40	1.53	75433	136	0.5	195	31	5	99	
				20 deg. to C.A.. Local irregular siliceous zones and clasts. Disseminated pyrite, commonly	10			127.40	128.93	1.53	75434	70	0.5	84	41	42	260	
				adjacent to quartz, in dark grey fine grained				128.93	130.14	1.21	75435	32	0.4	37	22	5	54	
				matrix. Approximately 25% matrix, clast	45													
				supported. Clasts irregular (quartz clasts),				130.14	131.36	1.22	75436	113	0.7	157	43	13	245	
				elongated, subrounded and shattered.														
				Clasts approximately 60% siltstone, 40% fine grained				131.36	132.89	1.53	75437	63	0.5	159	34	8	144	
				tan dacite (?) with specks of mariposite.				132.89	134.42	1.53	75438	11	0.4	174	36	4	104	
				Broken graphitic zones: ie: 126.50-127.40;				134.42	135.33	0.91	75439	28	0.4	80	32	18	116	
				128.32-130.75; 131.00-131.36;135.65-138.00				135.33	136.55	1.22	75440	54	0.3	54	32	23	161	

AURUM GEOLOGICAL CONSULTANTS INC.

Client: INCO EXPLORATION AND TECHNICAL SERVICES INC. DIAMOND DRILL LOG Hole No. 90-2

Property: Rossbank/Marsh NTS: 105D/10 Elevation: 690m Azimith:211deg Length:253.28m Dip:-55 deg. Date started: 21/08/90

Coord.: 50+30E/49+40N Core Size: NQWL Drilled by: Caron Diamond Drilling Drill Type: Longyear 38 Logged by:R.W.H. Date compltd: 09/09/90

Interval From	To	Rec%	RQD	DESCRIPTION	Fol	Py %	Interval From	To	Width	Samp.#	Au ppb	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	Wg Avg Au ppb/m
123.29	152.40			TUFFACEOUS SILTSTONE BRECCIA CON'T.			136.55	138.38	1.83	75441	11	0.4	52	34	2	110	
con't.				138.00: Fine grained 20cm andesite clast.			138.38	139.50	1.12	75442	.60	0.3	204	23	2	112	
							139.50	141.00	1.50	75443	162	0.3	444	24	6	122	
				141.00-143.46: Dark-light grey siliceous	15	3											
				quartz breccia, 60% siliceous material-clasts			141.00	141.73	0.73	75444	186	0.3	226	16	2	41	
				40% graphitic sheared silty-tuff. Pyrite			141.73	142.95	1.22	75445	✓707	0.5	929	40	11	111	
				disseminated and blebs along shear surfaces and on			142.95	143.46	0.51	75446	✓1207	0.6	963	37	6	106	
				quartz clast margins. Rare specks													
				mariposite in silty-tuff. Some quartz veinlets													
				cut-transposed by 15 deg. foliation.													
																	742/2.75m
				143.46-148.60: Brecciated and sheared silty	10	0.5	143.46	144.48	1.02	75447	✓550	0.4	579	31	8	81	
				tuff. Minor (<15cm) grey siliceous													
				zones. Volcanic clasts <10cm across.			144.48	145.69	1.21	75448	78	0.3	166	21	5	95	
				Breccia with grey lithified filling-matrix.													
				Foliation at 10 deg. elongating and rounding.			145.69	147.22	1.53	75449	64	0.4	239	20	5	98	
				Tuff (?) clasts. Minor disseminated pyrite clasts													
				locally contain quartz veinlets that			147.22	148.60	1.38	75450	47	0.4	219	19	3	98	
				stop at clast margin. Most clasts													
				light green to grey in darker grey													
				silty (?) matrix. Aphanitic clasts.													
				148.60-152.40: Dark -light grey siliceous	10	<1											
				quartz-breccia: As 141.00-143.46; 123.29-125.87m.	45												
				- 148.60-150.68: 50% silica, 50% graphitic													
				silty tuff, breccia and sheared.													
				148.60-148.85m: Vuggy porous (15%vugs) dark			148.60	148.85	0.25	75451	3	0.2	11	2	2	38	
				grey calcareous (40%) silica breccia (?) rotten-leached.			148.85	149.81	0.96	75452	93	0.3	147	11	6	67	
				Trace v.g. (?) as minute disseminated specks.			149.81	150.68	0.87	75453	164	0.4	420	20	4	109	
				150.68-150.00: Massive-solid core-of dark			150.68	151.79	1.11	75454	39	0.1	83	6	3	28	
				grey silica crosscut by irregular and													
				discontinuous white quartz veinlets. 20%			151.79	152.40	0.61	75455	101	0.1	144	8	9	37	
				graphitic silty tuff-lithified clay													
				on sheared surfaces. Lower contact 35 deg.													
				shear, upper contact 45 deg. shear.													

AURUM GEOLOGICAL CONSULTANTS INC.

Client: INCO EXPLORATION AND TECHNICAL SERVICES INC. DIAMOND DRILL LOG Hole No. 90-2

Property: Rossbank/Marsh NTS: 105D/10 Elevation: 690m Azimith: 211deg Length: 253.28m Dip: -55 deg. Date started: 21/08/90

Coord.: 50+30E/49+40N Core Size: NQWL Drilled by: Caron Diamond Drilling Drill Type: Longyear 38 Logged by: R.W.H. Date compltd: 09/09/90

Interval From	To	Rec%	RQD	DESCRIPTION	Fol	Py %	Interval From	To	Width	Samp.#	Au ppb	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	Wg Avg Au ppb/m
152.40	164.35			BRECCIATED ANDESITE/BASALTIC AGGLOMERATE: 70% amygdaloidal clasts in a tuffaceous-silty matrix (30%). Quartz-calcite-dolomite amygdules up tp 8mm across (10% amygdules). Vesicles common to 158m. Pyrite, total 5%, disseminated in matrix and commonly replaces amydules from approximately 157.89-164.35m.. Pyrite bright brassy cubes <1mm. Matrix is sheared, crosscut by irregular quartz veinlets. Quartz content increases towards 164.35m. Minor graphite on slickenslide, shear surfaces. Clasts <0.30cm across irregular, surrounded and crosscut by irregular discontinuous quartz veinlets, often stop at clast margin. Continuous veinlets often 45-90 deg. to C.A.. Minor clay/gouge on shear surfaces. Sheared portions contain tuff "augen" clasts. (proto mylonite R.A.D.). Pyrite veinlets in some shattered clasts (ie. 163.37-164.35).	15	2	152.40	153.00	0.60	75456	52	0.5	117	19	9	88	
							153.00	154.22	1.22	75457	99	0.3	178	15	12	73	
							154.22	155.45	1.23	75458	347	0.3	967	17	2	78	
							155.45	156.97	1.52	75459	280	0.2	704	13	2	75	
							156.97	157.89	0.92	75460	805	0.3	1318	18	5	77	
							157.89	159.41	1.52	75461	437	0.2	461	18	5	124	
							159.41	160.32	0.91	75462	463	0.4	825	30	8	139	
							160.32	161.85	1.53	75463	313	0.2	701	23	2	77	
							161.85	163.37	1.52	75464	2147	0.5	1555	34	8	86	1989/2.50m
							163.37	164.35	0.98	75465	745	0.4	726	41	7	136	
164.35	191.41			BRECCIATED AND SHEARED SILTY TUFF (?). Similiar to 143.46-148.60 and 123.29-152.40 Sheared/Foliated at 15-30 deg. 90% rouned, elongated (in direction of foliation). Clasts of grey-tan aphanitic dacite(?), clasts >2cm often shattered, brecciated with irregular margins. 10% irregular shaped clasts of grey quartz, locally vuggy, <10cm across. 5% irregular, locally anastomosing quartz veinlets. Minor dolomite veinlets. Clasts locally have specks of mariposite. Matrix 30 deg. of dark grey lithified clay. Contains <1% disseminated pyrite and pyrite blebs commonly at shattered quartz-tuff clast margins.	15	1	164.35	165.35	1.00	75466	98	0.1	130	21	7	113	
							165.35	166.42	1.07	75467	7	0.1	153	22	2	107	
							166.42	167.94	1.52	75468	8	0.1	93	13	2	104	
							167.94	169.47	1.53	75469	99	0.1	235	20	2	96	
							169.47	170.07	0.60	75470	226	0.2	323	20	4	94	

Interval From	To	Rec%	RQD	DESCRIPTION	Fol	Py %	Interval From	To	Width	Samp.#	Au ppb	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	Wg Avg Au ppb/m
161.35	191.41			BRECCIATED AND SHEARED SILTY TUFF (?) CON'T													
con't.																	
				-170.07-171.65: Graphitic silty tuff(?) Sheared and brecciated as above but less <5% tan tuff clasts. 80% dark grey foliated graphitic siltstone with 1-2% disseminated pyrite blebs porphyroblasts. 20% grey quartz clasts with trace dolomite. 5% dark grey graphitic gouge.	15 45	1	170.07	171.65	1.58	75471	535	0.2	313	29	10	117
				171.65-179.35: As 161.35-170.07;	35	1	171.65	173.00	1.35	75472	45	0.1	178	25	2	96
							173.00	174.50	1.50	75473	1	0.1	43	6	2	86
				- 175.10-177.90: 2% disseminated pyrite. Pyrite porphyoblasts.		2	174.50	176.17	1.67	75474	67	0.2	257	31	5	109
							176.17	177.70	1.53	75475	200	0.2	360	50	2	117
				-177.90-178.10: vuggy dark grey quartz.			177.70	178.31	0.61	75476	65	0.1	218	19	6	101
							178.31	179.35	1.04	75477	54	0.2	106	8	3	116
				179.35-181.00: Dark grey siliceous breccia zone. Sharp shear contacts at approximately 40 deg.		1	179.35	179.98	0.63	75478	42	0.1	67	9	4	51
				90% quartz, 10% tuff/siltstone (?) along shear planes. Dark grey breccia, angular siltstone (<2cm)			179.98	181.00	1.02	75479	92	0.2	79	17	6	60
				clasts(?) in light grey matrix-non 100% silicified.			181.00	182.57	1.57	75480	228	0.3	290	25	5	131
				182.57-184.30: Ground core poor recovery. Drillers labelled zone a "fault". Primarily siltstone 70% - graphitic.	15 30	1	182.57	184.30	1.73	75481	183	0.5	171	30	10	151
				184.30-191.41: Broken core: Local 40 cm bands of sheared graphitic siltstone/minor tuff(?);	10 35	1	184.30	185.47	1.17	75482	242	0.6	307	31	9	146
							185.47	186.69	1.22	75483	153	0.4	245	32	4	92
				10-15% irregular quartz clasts. <5% graphitic			186.69	187.91	1.22	75484	159	0.2	277	24	3	115
				gouge recovered. 1-2% vugs with quartz clasts.			187.91	189.13	1.22	75485	103	0.1	288	22	2	115
				189.59-191.41: 40% silica; quartz clasts			189.13	189.59	0.46	75486	170	0.2	227	15	4	118
				(30%) and irregular quartz veinlets (10%). Pyrite as fine grained disseminations in bands along			189.59	191.41	1.82	75487	150	0.2	154	15	7	75
				shear planes at 10-30 deg. to C.A.. <10% tuff clasts.													

AURUM GEOLOGICAL CONSULTANTS INC.
Client: INCO EXPLORATION AND TECHNICAL SERVICES INC.
Property: Rossbank/Marsh NTS: 105D/10 Elevation: 690m
Coord.: 50+30E/49+40N Core Size: NQWL Drilled by: Caron Diamond Drilling

DIAMOND DRILL LOG Hole No. 90-2
Azimith:211deg Length:253.28m Dip: -55 deg. Date started: 21/08/90
Drill Type: Longyear 38 Logged by: R.W.H. Date compltd: 09/09/90

Interval From	To	Rec%	RQD	DESCRIPTION
191.41	192.04			191.41-192.04 3cm lost.
				195.20-203.41
195.20	203.91			**BLACK GRAPHITIC MUDSTONE: Very fine grained dark black/brown mudstone. >10% graphite, sparse quartz veinlets to 5-10%. Core is strongly fractured. Pyrite < 1%.**
				200.10-200.77 Lost.
				200.77-203.91 Rubble/poor recovery
				50cm recovered on 3.14m.
203.91	212.35			QUARTZ FLOODED AND VEINED MUDDY SILTSTONE.
				Fractures 10 deg. to C.A.
				25 deg. to C.A. Predominant.
				- mottled quartz and graphite veins.
				- stylolitic graphite veins.
				- Pyrite more common in black graphitic horizons.
				204.52-205.00 Light grey-maroon siltstone matrix with >30% marbled
				Quartz veins with graphitic selvedges.
				207.45 veins 50 deg. to C.A.
				208.80-209.39 Black graphitic siltstone.
				<10% quartz, <2% pyrite.
				Foliation 15 deg. to C.A.
				212.30 brecciated quartz in graphitic siltstone.
				Shear 20 deg. to C.A.

Fol	Py %	Interval From	To	Width	Samp.#	Au ppb	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	Wg Avg Au ppb/m
		191.41	193.00	1.59	75488	122	0.4	119	21	6	80	
		193.00	194.00	1.00	75489	200	0.4	183	30	4	101	
		194.00	195.20	1.20	75490	164	0.4	152	38	8	101	
		195.20	196.59	1.39	75491	✓505	1.2	96	62	21	268	
		196.59	197.81	1.22	75492	275	1.1	107	61	14	321	
		197.81	199.33	1.52	75493	200	0.5	109	47	8	240	
		199.33	200.10	0.77	75494	184	0.5	150	43	5	214	
		200.77	203.91	3.14	75495	284	0.7	186	60	8	241	
		203.91	204.52	0.61	75496	✓2079	0.5	729	28	8	112	
		204.52	205.58	1.06	75497	✓2041	0.5	747	30	7	118	
		205.58	206.58	1.00	75498	✓1606	0.7	688	50	4	132	
		206.58	207.58	1.00	75499	✓1094	0.6	554	29	5	128	
		207.58	208.58	1.00	75500	378	0.4	293	31	6	122	
		208.58	209.58	1.00	75011	319	0.5	154	38	16	230	
		209.58	210.58	1.00	75012	47	0.6	210	28	9	290	
		210.58	211.58	1.00	75013	98	0.6	193	23	3	177	
		211.58	212.35	0.77	75014	119	0.4	121	31	11	194	

1671/3.67m

AURUM GEOLOGICAL CONSULTANTS INC.

Client: INCO EXPLORATION AND TECHNICAL SERVICES INC. DIAMOND DRILL LOG Hole No. 90-2

Property: Rossbank/Marsh NTS: 105D/10 Elevation: 690m Azimith:211deg Length:253.28m Dip:-55 deg. Date started: 21/08/90

Coord.: 50+30E/49+40N Core Size: NQWL Drilled by: Caron Diamond Drilling Drill Type: Longyear 38 Logged by:R.W.H. Date compltd: 09/09/90

Interval From	To	Rec%	RQD	DESCRIPTION	Fol	Py %	Interval From	To	Width	Samp.#	Au ppb	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	Wg Avg Au ppb/m
212.35	225.95			BLACK GRAPHITIC SILTSTONE-MUDSTONE.			212.35	212.90	0.55	75015	62	0.7	44	32	16	398	
				- with areas of light grey to light maroon			212.90	213.96	1.06	75016	15	0.3	23	16	13	140	
				siltstone (no graphite). Some areas			213.96	214.88	0.92	75017	2	0.4	4	2	8	60	
				contain fragments of light grey to light maroon siltstone			214.88	215.95	1.07	75018	6	0.7	20	10	7	168	
				(volcanics?) within strongly sheared graphitic													
				mudstone.													
				Quartz veins throughout interval <3%													
				Pyrite occurs as brassy yellow fine grained													
				wisps and clots commonly in small													
				fractures and at the margins of quartz													
				overall approximately 5% throughout interval.													
				212.90 Foliation 35 deg. to C.A.													
				Quartz vein 80-90 deg. to C.A.													
				213.36 foliation 0 deg. to C.A.. One strong			215.95	216.95	1.00	75019	2	0.6	2	5	8	133	
				kink band.			216.95	217.95	1.00	75020	1	0.8	7	7	9	126	
							217.95	218.95	1.00	75021	13	1.1	13	7	20	175	
				220.50 2 - 5-10 cm foliation of altered			218.95	219.95	1.00	75022	10	1.7	9	5	8	240	
				ultramafics.			219.95	220.95	1.00	75023	11	0.8	6	2	8	128	
							220.95	221.95	1.00	75024	1	0.3	2	2	2	21	
							221.95	222.95	1.00	75025	5	0.3	3	2	2	34	
				223.40-223.46 - gouge 40 deg. to C.A.			222.95	223.95	1.00	75270	1	0.5	3	2	5	39	
							223.95	224.95	1.00	75271	6	0.5	3	8	3	77	
							224.95	225.95	1.00	75272	5	0.7	8	9	4	78	
				223.50-225.80: % of quartz veins													
				increase to 10% by volume.													
				- veins have variable orientation.													
				% to C.A. 45 deg. to C.A.													
				214.00-225.80: Veins are quartz and calcite													
				and matrix also contains													
				1-2% calcite													

AURUM GEOLOGICAL CONSULTANTS INC.
Client: INCO EXPLORATION AND TECHNICAL SERVICES INC.
Property: Rossbank/Marsh NTS: 105D/10 Elevation: 690m
Coord.: 50+30E/49+40N Core Size: NQWL Drilled by: Caron Diamond Drilling

DIAMOND DRILL LOG Hole No. 90-2
Azimith:211deg Length:253.28m Dip: -55 deg. Date started: 21/08/90
Drill Type: Longyear 38 Logged by: R.W.H. Date compltd: 09/09/90

Interval From	To	Rec%	RQD	DESCRIPTION	Fol	Py %	Interval From	To	Width	Samp.#	Au ppb	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	Wg Avg Au ppb/m
225.95	232.75			ARKOSE (MICRO-CHIP CONGLOMERATE).			225.95	227.45	1.50	75273	1	0.4	8	6	5	61	
				Light grey clast supported conglomerate.			227.45	228.95	1.50	75274	6	0.4	17	9	8	68	
				2-3mm average size of fragments. Rare 1cm clasts.													
				Pyrite <2% throughout interval.													
				Calcite as veins. 5mm-1cm wide. 80 deg. to C.A..													
				Calcite 1-2% in matrix.													
				Fragments - Feldspars 40%.													
				Mafic 25%.													
				Ultramafics 25%.													
				Mudstone 5%.													
				Strong fault fractures. 15 deg. to C.A..													
				227.45-228.95 2-3 1-2cm Quartz calcite veins.			228.95	230.45	1.50	75275	7	0.4	5	8	3	58	
							230.45	231.95	1.50	110651	20	0.5	3	6	3	61	
				Unit is very weakly magnetic.			231.95	232.75	0.80	110652	5	0.5	7	7	2	60	
				Weak sericite alteration.													
				231.0 Light green calcite on fracture?													
232.75	234.69			SHEARED CHIP CONGLOMERATE.			232.75	234.69	1.94	110653	253	0.3	2	6	7	61	
				- very odd unit, sheared and transposed.													
				Fragments and lenses of grey siltstone.													
				Green/brown altered mafic-ultramafics.													
				Black graphitic siltstone. Quartz.													
				- calcite veinlets.													
				- fragments are 0.5-1cm wide and 3-8cm long.													
				- 5% green sericite in selective fragments possible margarite.													
				- pyrite brassy yellow - 2-3%.													
				Average shear attitude 25 deg. to C.A..													
				Quartz-calcite vein 80 deg. to C.A..													
				233.40-233.80: Arkose band. Same as 225.95-232.75m.													

AURUM GEOLOGICAL CONSULTANTS INC.

Client: INCO EXPLORATION AND TECHNICAL SERVICES INC.

Property: Rossbank/Marsh NTS: 105D/10 Elevation: 690m

Coord.: 50+30E/49+40N Core Size: NQWL Drilled by: Caron Diamond Drilling

DIAMOND DRILL LOG Hole No. 90-2

Azimith:211deg Length:253.28m Dip:-55 deg.

Drill Type: Longyear 38 Logged by:R.W.H.

Date started: 21/08/90

Date compltd: 09/09/90

Interval From	To	Rec%	RQD	DESCRIPTION	Interval Fol	Py %	From	To	Width	Samp.#	Au ppb	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	Wg Avg Au ppb/m
234.69	250.08			FINE GRAINED SILTSTONE. Dark grey to light black fine grained siltstone. Darker bands show fine grained mm. - Lammae which are disrupted by micro growth faults. - weak >2% calcite veins throughout section. 90 deg. to C.A.. Strong fracture 20 deg. to C.A. - Fine grained pyrite 1-2%.			234.69	236.19	1.50	110654	20	0.1	4	3	17	68	
							236.19	237.69	1.50	110655	1	0.2	2	4	2	69	
							237.69	239.19	1.50	110656	3	0.1	2	5	5	70	
							239.19	240.69	1.50	110657	1	0.1	4	7	10	65	
							240.69	242.19	1.50	110658	9	0.1	29	7	2	74	
				242.19-243.69 Rubbly fractured core. >% quartz to approximately 20% over interval. Strong slickenslide. 20 deg. to C.A.. Quartz veins and calcite veins occur separately.			242.19	243.69	1.50	110659	212	1.2	33	4	52	82	
							243.69	245.19	1.50	110660	4	0.2	7	2	16	65	
							245.19	246.69	1.50	110661	3	0.8	23	12	1457	347	
							246.69	248.19	1.50	110662	1	0.2	8	2	9	106	
				247.50-250.08: Short intervals of more mafic rock chlorite altered. (20-30 cm wide).			248.19	250.08	1.89	110663	6	0.1	8	2	2	105	
250.08	253.28			ALTERED ULTRAMAFIC Mottled light and dark green chlorite/talc altered ultramafic quartz/magnesite.			250.08	250.54	0.46	110664	3	0.1	12	2	2	61	
				250.08-250.54: Clay gouge. Light grey calcite rich gouge - strong reaction to HCl.													
				250.54-251.80: Mixed gouge. Completely ultramafic.			250.54	251.80	1.26	110665	3	0.1	11	2	16	43	
				251.80-253.28: Ultramafic.			251.80	253.28	1.48	110666	1	0.1	12	2	2	16	
				E.O.H. 253.28													

DRILL LOG

PRINT DATE: October 23, 1990

BOREHOLE # : **DDH90-3**
PROJECT : **ROSSBANK/MARSH LAKE**
PROPERTY NAME : **ROSSBANK**

Level	: Surface	Grid name	: M'Clintock Zone
Dip	: -44°	Section	: 86+50E
BL azimuth	: 121		
BH bearing	: 030°		
Heading	:	Date started	: 22/09/90
Latitude	: 48+88.60N	Date completed	: 26/09/90
Departure	: 86+52.80E		
Elevation	: 684m	Advance (horiz.)	: 154.36m
Hole Length	: 214.58m	Depth (vert.)	: 149.06m

NTS/Quad : 105D/10
Country : Canada
Prov./State/Terr. : Yukon Territory
Twp/County :
Claim # : Rossbank 15 (YA92708)

Logged by : R. Hulstein
Drilled by : Caron Diamond Drilling Ltd.
Drill type : Longyear Super 38
Core Size : NQ
Analytical : Acme Analytical; Au (FA+AA Finish) & 30 element ICP.

DEVIATION RECORDS

Depth	: Collar
Azimuth	: 030°
Dip	: -44°
Depth	: N/A
Azimuth	: N/A
Dip	: N/A

COMMENTS

Purpose: Test a shear or fault zone (splay of the Marsh Lake Fault ?) hosting narrow, <1.0m wide, gold-silver bearing quartz veins. Surface samples returned values up to 14,523 ppb gold.

Recovery 100% unless otherwise noted.
Core stored: Caron Diamond Drilling yard at McRae, Y.T.
Other: Drill hole collar not surveyed. Location by chain and compass.

AURUM GEOLOGICAL CONSULTANTS INC.
Client: INCO EXPLORATION AND TECHNICAL SERVICES INC.
Property: Rossbank/Marsh NTS: 105D/09 Elevation: 684m.
Coord.: 48+88.60N/86+52E Core size: NQWL Drilled by: Caron Diamond Drilling

DIAMOND DRILL LOG Hole No. 90-3
Azimith:30 deg Length:214.58m Dip: -44 deg. Date started: 22/09/90
Drill Type: Longyear 38 Logged by: R.A.D./R.H. Date compltd: 26/09/90

Interval From	To	Rec%	RQD	DESCRIPTION	Fol	Py %	Interval From	To	Width	Sample Number	Au (ppb)	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	Wt Avg Au ppb/m
0.00	2.13			OVERBURDEN.													
2.13	13.76			ANDESITE (Basalt?) Flow Porphyritic, green, propylitiсly altered. Fine to medium grained. Locally amygdaloidal, 20-30% subhedral feldspar crystals altered to chlorite - Trace hematite, local weak foliation, fractures 70 deg. and 45 deg., nonmagnetic, trace hematite.			2.13	2.59	0.46	110551	11	0.4	8	4	4	78	
							2.59	4.11	1.52	110552	12	0.6	32	3	8	71	
							4.11	5.63	1.52	110553	25	0.3	24	2	10	65	
				- cut by occasional calcite veinlets at 45-20 deg. to C.A. (<3% calcite veinlets)	45	tr	5.63	7.16	1.53	110554	3	0.2	6	4	6	79	
				- limonite stained fractures to 25.0m.			7.16	8.07	0.91	110555	3	0.4	8	6	8	70	
				- 6.12-6.85: 10% rounded-irregular calcite amygdules, upper contact 40 deg., lower contact approx. 70 deg..			8.07	9.38	1.31	110556	1	0.4	8	6	3	65	
				9.38-13.76: light green bleached zone Trace Ca to noncalcareous. Local specks mariposite replacing hornblende? or?? Occasional quartz veinlets <1-3mm across in places almost chalcedonic quartz, 45 deg. to C.A. Trace pyrite to 11.43m. Locally vuggy along fractures - strongly limonite stained. Brecciated (or a lapilli tuff) in places.	45	5	9.38	10.21	0.83	110557	11	0.1	15	2	10	76	
							10.21	11.43	1.22	110558	42	0.2	56	2	8	81	
				11.43-12.49: 2% fine grained disseminated pyrite.			11.43	12.49	1.06	110559	66	0.1	81	2	26	107	
				12.49-12.95: Brecciated quartz vein. Approximately 60% quartz, 40% + or - silicified bleached chloritic andesite. 2cm light grey sericite band At 60 deg. to C.A., sheared with trace clay at 45deg to C.A.	45	1	12.49	12.95	0.46	110560	145	0.2	140	2	45	129	
				12.95-13.76: Bleaching and pyrite decreasing to nil and trace at lower contact.		2	12.95	13.76	0.81	110561	205	0.4	95	3	48	199	

AURUM GEOLOGICAL CONSULTANTS INC.

Client: INCO EXPLORATION AND TECHNICAL SERVICES INC. DIAMOND DRILL LOG Hole No. 90-3

Property: Rossbank/Marsh NTS: 105D/09 Elevation: 684m. Azimith:30 deg Length:214.58m Dip: -44 deg. Date started: 22/09/90

Coord.: 48+88.60N/86+52. Core size: NQWL Drilled by: Caron Diamond Drilling Drill Type: Longyear 38 Logged by: R.A.D./R.H. Date compltd: 26/09/90

Interval From	To	Rec%	RQD	DESCRIPTION	Fol	Py %	Interval From	To	Width	Sample Number	Au (ppb)	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	Wt Avg Au ppb/m
13.76	32.19			ANDESITE TUFF. (LAPILLI). Medium green		1	13.76	14.62	0.86	110562	34	0.2	14	3	3	101	
				- predominantly lapilli - crystal tuff			14.62	15.54	0.92	110563	3	0.3	17	5	13	74	
				usually 10 - <50% ash component.			15.54	17.06	1.52	110564	4	0.1	14	2	3	83	
				Weakly magnetic. Trace hematite, trace pyrite.			17.06	17.98	0.92	110565	9	0.1	28	2	11	79	
				- propyliticly altered - calcite, chlorite.													
				Local - scattered calcite amygdules			17.98	19.35	1.37	110566	3	0.1	16	2	4	82	
				up to 1.5 X 0.5 cm across.			19.35	20.87	1.52	110567	1	0.3	15	4	4	90	
				- locally up to 30% broken - subhedral			20.87	22.40	1.53	110568	2	0.1	10	2	2	95	
				feldspar crystals <3mm long.													
				- larger lapilli clasts up to 64mm			22.40	23.92	1.52	110569	5	0.2	19	2	8	96	
				rare clasts - >64mm (<20cm long). Irregular			23.92	24.53	0.61	110570	3	0.1	17	2	4	95	
				shape in ash matrix. Matrix supported			24.53	25.90	1.37	110571	4	0.2	22	3	3	88	
				(ie. 15.54-16.00m).			25.90	27.12	1.22	110572	3	0.5	20	5	11	85	
				- 16.10-16.30: ash layers - bedding at 40 deg. to C.A.			27.12	28.65	1.53	110573	3	0.3	15	3	7	82	
				- fine grained disseminated pyrite in breccia zones			28.65	30.17	1.52	110574	4	0.1	2	2	13	79	
				up to 5% pyrite irregular patches (5x5cm).													
				- 25.90-27.12: good example of breccia zone.			30.17	31.69	1.52	110575	2	0.1	7	2	2	78	
							31.69	32.19	0.50	110576	133	0.2	59	2	46	88	
32.19	43.58			BLEACHED PYRITIC ANDESITE TUFF.		40	5										
				- tuff similiar to 13.76-32.19. Except													
				bleached, pyritic, less calcite (weakly calcareous)													
				and non magnetic.													
				- light green color.													
				- broken core 31.69-33.83: 39.31-40.45.													
				- pyrite as disseminations, hairline fracture													
				and interstital (diss.) in ash matrix in													
				lapilli tuff, specks galena, marmoosite.													
				32.19-32.69: ash layers(bedding 40 deg. to C.A.			32.19	32.69	0.50	110577	207	1.2	146	3	67	121	
				approximately 5% disseminated pyrite.													
				32.69-34.09: 1-2cm wide irregular vuggy		5	32.69	34.09	1.40	110578	187	0.9	152	2	76	134	
				calcite veins 10-20 deg. to C.A., 5% pyrite as													
				disseminated and anastomosing discontinuous													
				fracture veinlets.													
				34.09-35.20: Light green tuff, 2% disseminated pyrite		2	34.09	35.20	1.11	110579	42	0.7	30	2	32	103	

AURUM GEOLOGICAL CONSULTANTS INC.

Client: INCO EXPLORATION AND TECHNICAL SERVICES INC. DIAMOND DRILL LOG Hole No. 90-3

Property: Rossbank/Marsh NTS: 105D/09 Elevation: 684m. Azimith:30 deg Length:214.58m Dip: -44 deg. Date started: 22/09/90

Coord.: 48+88.60N/86+52. Core size: NQWL Drilled by: Caron Diamond Drilling Drill Type: Longyear 38 Logged by: R.A.D./R.H. Date compltd: 26/09/90

Interval From	To	Rec%	RQD	DESCRIPTION	Fol	Py %	Interval From	To	Width	Sample Number	Au (ppb)	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	Wt Avg Au ppb/m
32.19	43.58			BLEACHED PYRITIC ANDESITE TUFF (CON'T).													
con't.				Minor <2% calcite as veinlets and breccia filling.													
				35.20-35.61: Quartz vein breccia. Light green fine grained tuff clasts cut by a light grey quartz (chalcedony) vein, quartz also as breccia filling. 3% disseminated pyrite on clast margins. Vein at 10-20 deg. to C.A..		3	35.20	35.61	0.41	110580	39	0.7	22	2	39	104	
				35.61-36.47: similiar to 34.09-35.20: specks mariposite (<0.5%), irregular calcite pyrite veinlets.		2	35.61	36.47	0.86	110581	49	0.5	45	3	23	105	
				36.47-37.70: green-grey pyritic lapilli tuff. 5-7% fine grained disseminated pyrite specks mariposite.		7	36.47	37.70	1.23	110582	61	0.4	32	3	38	123	
				37.70-38.66: as 35.61-36.47.			37.70	38.66	0.96	110583	37	0.4	70	2	16	135	
				38.66-40.50: as 36.47-37.70. 5-10% disseminated pyrite		10	38.66	39.56	0.90	110584	228	1.0	136	9	116	255	
				section at 39.56-40.50 with <0.5% disseminated galena in pyrite blebs. Mottled texture.			39.56	40.50	0.94	110585	1212	12.5	460	244	5693	10240	896/2.54m
				40.50-42.10: Light green, streaked with grey pyrite blebs and disseminated. 5% pyrite, mottled.		5	40.50	42.10	1.60	110586	711	1.3	162	6	81	142	
				42.10-43.58: overall <3% disseminated pyrite. Py decreasing towards lower contact. Round <1 cm calcite			42.10	43.28	1.18	110587	157	0.7	84	3	15	134	
				amygdules at 42.50m. 4cm quartz vein 55 deg. to C.A., Crudely banded - 2 phases of quartz.			43.28	43.58	0.30	110588	400	0.8	254	2	90	155	
43.58	132.04			ANDESITE TUFF AND FLOWS. (as 2.13-13.76-32.19)		45	43.58	44.80	1.22	110589	13	0.2	39	3	2	95	
				- dark green porphyritic, calcareous, magnetic			44.80	46.32	1.52	110590	5	0.2	27	4	6	80	
				disseminated pyrite content variable with 1-2m			46.32	47.85	1.53	110591	50	0.2	29	2	9	95	
				wide barren zones. (ie. porphyritic zone from			47.85	49.37	1.52	110592	77	0.6	41	2	26	120	
				52.90-54.52 - Flow?). Locally up to 2% pyrite over			49.37	50.90	1.53	110593	33	0.2	24	2	13	131	
				1-2m widths in coarse ash units.			50.90	52.41	1.51	110594	34	0.3	21	2	55	122	
				54.52-55.10: 1cm siliceous zone at			52.41	53.40	0.99	110595	56	0.6	20	2	90	117	
				54.8: 2" disseminated pyrite and pyrite veinlets.			53.40	54.52	1.12	110596	8	0.2	12	2	8	76	
				Upper contact at 50 deg. - ash horizon.			54.52	55.10	0.58	110597	56	0.7	99	2	62	150	

AURUM GEOLOGICAL CONSULTANTS INC.

Client: INCO EXPLORATION AND TECHNICAL SERVICES INC. DIAMOND DRILL LOG Hole No. 90-3

Property: Rossbank/Marsh NTS: 105D/09 Elevation: 684m. Azimith:30 deg Length:214.58m Dip:-44 deg. Date started: 22/09/90

Coord.: 48+88.60N/86+52. Core size: NQWL Drilled by: Caron Diamond Drilling Drill Type: Longyear 38 Logged by:R.A.D./R.H. Date compltd: 26/09/90

Interval From	To	Rec%	RQD	DESCRIPTION	Fol	Py %	Interval From	To	Width	Sample Number	Au (ppb)	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	Wt Avg Au ppb/m
43.58	132.04			ANDESITE TUFF AND FLOWS (CON'T.)			55.10	56.03	0.93	110598	53	0.4	35	2	10	85	
con't.				56.03-56.60: Pyritic breccia zone. Approximately		4	56.03	56.60	0.57	110599	1419	6.6	349	28	722	1007	
				10% calcite as veinlets, brecciated veinlets			56.60	57.61	1.01	110600	30	0.2	16	2	4	77	
				and breccia filling. 4% pyrite as dissemination			57.61	59.13	1.52	110601	302	0.7	107	3	93	192	
				in and adjacent to tuff clasts.			59.13	60.65	1.52	110602	8	0.1	17	2	7	78	
				63.20-63.50: 5% rounded <1cm calcite amygdules.		tr	60.65	62.18	1.53	110603	16	0.1	20	2	12	79	
				65.00-66.40: 5% rounded <1cm calcite amygdules.			62.18	63.70	1.52	110604	4	0.2	14	2	16	79	
							63.70	65.23	1.53	110605	77	0.9	31	2	60	211	
							65.23	66.75	1.52	110606	37	0.2	16	2	15	109	
							66.75	68.27	1.52	110607	36	0.5	17	2	94	211	
							68.27	69.79	1.52	110608	19	0.3	8	2	25	124	
							69.79	71.32	1.53	110609	14	0.5	16	2	11	97	
							71.32	72.65	1.33	110610	26	0.5	43	2	14	99	
				72.65-73.15: 6cm irregular quartz vein 70 deg. to C.A..		4	72.65	73.15	0.50	110611	148	0.8	105	2	41	110	
				Pyrite disseminated in adjacent wallrock. Weakly bleached.			73.15	74.37	1.22	110612	41	0.3	24	2	16	93	
							74.37	75.89	1.52	110613	15	0.2	13	2	9	78	
							75.89	77.42	1.53	110614	21	0.2	20	2	13	82	
							77.42	78.94	1.52	110615	17	0.1	21	2	10	81	
							78.94	80.47	1.53	110616	21	0.1	14	2	29	87	
							80.47	81.38	0.91	110617	11	0.2	10	2	8	82	
							81.38	82.90	1.52	110618	7	0.1	21	2	14	79	
							82.90	83.51	0.61	110619	35	0.4	30	2	9	93	
							83.51	84.00	0.49	110620	3	0.2	29	2	10	86	
							84.00	84.30	0.30	110621	54	0.7	31	2	32	72	
				84.95-85.66: Bleached pyritic silicified andesite.	50	5											
				Brecciated weakly sheared parallel to quartz			84.30	84.95	0.65	110622	97	0.7	50	2	27	144	
				and carbonate veinlets at 50-60 deg. to C.A..													
				Numerous 2-5mm quartz carbonate veinlets, 2			84.95	85.66	0.71	110623	1265	2.9	537	18	639	361	995/1.31m
				zones of quartz-carbonate, 3 and 5 cm wide.													
				Pyrite disseminated and in veinlets on clast margins.													
				70% clasts in a pyritic-comminuted matrix.													
				Irregular quartz-carbonate flooding (<20% overall													
				including veins). 1 x 0.5cm x 3cm band of													
				galena in quartz carbonate vein.													

AURUM GEOLOGICAL CONSULTANTS INC.
Client: INCO EXPLORATION AND TECHNICAL SERVICES INC.
Property: Rossbank/Marsh NTS: 105D/09 Elevation: 684m.
Coord.: 48+88.60N/86+52. Core size: NQWL Drilled by: Caron Diamond Drilling

DIAMOND DRILL LOG Hole No. 90-3
Azimith:30 deg Length:214.58m Dip:-44 deg. Date started: 22/09/90
Drill Type: Longyear 38 Logged by:R.A.D./R.H. Date compltd: 26/09/90

Interval From	To	Rec%	RQD	DESCRIPTION	Fol	Py %	Interval From	To	Width	Sample Number	Au (ppb)	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	Wt Avg Au ppb/m
43.58	132.04			ANDESITE TUFF AND FLOWS (CON'T.)													
con't.				85.66-86.26: weakly pyritized-carbonate veined andesite. Ash beddding at 40 deg. to C.A. at 86.26m.	40	3	85.66	86.26	0.60	110624	677	0.8	101	3	40	197	995/1.31m
				86.26-86.56: as 84.95-85.66 - bleached pyritic andesite 2cm carbonate calcite vein with approximately 10% quartz(?). Specks mariposite.			86.26	86.56	0.30	110625	490	1.4	167	5	50	154	
				86.56-88.36: weakly pyritized-carbonate veined andesite.		1	86.56	87.78	1.22	110626	318	0.6	35	2	13	105	
							87.78	88.36	0.58	110627	218	0.7	70	3	20	112	
				88.36-89.06; Bleached pyritic silicified andesite 70% light green clasts(?) in dark green-grey pyritic matrix(30%). Mottled appearance. Trace - 0.5% very fine grained galena. Approximately 60% silicified. Variably calcareous with 2% calcite amygdules (<1cm across) and blebs. Nonmagnetic.			88.36	89.06	0.70	110628	347	0.7	301	6	136	519	
				89.06-92.90: Andesite tuff and flows. Amygdaloidal from 89.06-90.73m, porphyritic throughout. Hematite-calcite veinlet at 90.85m 30 deg. to C.A..	40	<1-1	89.06	90.73	1.67	110629	16	0.2	26	2	9	104	
							90.73	92.90	2.17	110630	6	0.3	22	2	11	122	
				92.90-93.63: Bleached pyritic weakly silicified andesite. Upper contact sharp at 40 deg.. Lower contact gradational. Calcite veins and veinlets with minor quartz at 60-70 deg. to C.A.. Specks mariposite.			92.90	93.63	0.73	110631	356	1.5	170	4	134	184	
				93.63-95.62: Andesite breccia and ash tuff. Irregular indistinct clasts <10cm to 94.00m with 2% pyrite in ash matrix.		1	93.63	95.10	1.47	110632	139	0.8	42	4	15	151	
							95.10	96.62	1.52	110633	48	0.7	24	4	22	129	
				95.62-96.55: amygdaloidal, 3-4% calcite amygdules.		0.5											
							96.62	98.14	1.52	110634	10	0.1	10	2	8	94	
				96.55-100.03: porphyritic andesite flow? Local calcite veins and blebs in upper portion of section. Strongly magnetic and calcareous.			98.14	99.67	1.53	110635	3	<.4	15	4	5	81	
							99.67	100.28	0.61	110636	15	0.8	15	2	14	106	
				100.03-101.70: Lapilli tuff, calcareous, nonmagnetic, bedding 45 deg..	45	tr											

Interval From	To	Rec%	RQD	DESCRIPTION	Fol	Py %	Interval From	To	Width	Sample Number	Au (ppb)	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	Wt Avg Au ppb/m
43.58	132.04			ANDESITE TUFF AND FLOWS (CON'T.)													
con't.				Lower contact at 55 deg. (101.70m).			100.28	101.80	1.52	110637	35	0.5	20	2	18	129	
				101.70-103.08: Porphyritic andesite.		tr	101.80	103.08	1.28	110638	8	0.4	17	3	6	87	
				Magnetic, calcareous, lower contact at quartz vein.													
				103.08-103.45: crystal lithic tuff,		60	4 103.08	103.45	0.37	110639	372	1.2	60	4	633	1708	
				nonmagnetic, pyritic. Cut by 3 cm													
				grey quartz vein at 70 deg. to C.A. containing													
				1% fine grained disseminated galena and													
				3% pyrite, hematite stained; calcite in													
				fractures. Lower contact brecciated at 30 deg..													
				103.45-105.25: porphyritic andesite.		tr	103.45	105.25	1.80	110640	49	0.5	23	2	13	106	
				105.25-106.35: crystal lithic tuff. Lapilli		30?	1 105.25	106.35	1.10	110641	152	0.9	40	3	22	153	
				ash tuff, upper contact breccia at approximately 30 deg..													
				106.35-111.24: porphyritic andesite. Gradational		tr	106.35	107.59	1.24	110642	54	0.5	19	3	12	89	
				contacts.			107.59	109.12	1.53	110643	12	0.2	10	2	2	88	
				110.24-110.54: Bleached with a 5 cm white			1 109.12	110.24	1.12	110644	58	0.6	29	3	22	113	
				quartz carbonate vein at 80 deg. to C.A..				110.24	110.54	0.30	110645	242	3.0	118	4	1677	498	
				110.54-111.34: Lapilli tuff.			2 110.54	111.34	0.80	110646	138	0.8	65	4	83	192	
				111.34-112.03: bleached, brecciated. Partly		45	111.34	112.03	0.69	110647	592	3.0	225	8	2064	2405	
				silicified tuff - coarse-fine grained ash.													
				5 cm white calcite - quartz vein (as 84.05-84.14)													
				10cm zone 70% silicified breccia tuff													
				50% tuff clasts, 50% grey-white quartz matrix													
				containing 10% disseminated pyrite and <0.5% dissem.													
				galena. Wall rock either side breccia disseminated													
				pyrite in fine grained ash matrix. Vein													
				contacts at 70 deg..													
				112.03-114.14: Lapilli tuff, ash tuff		30	tr 112.03	113.00	0.97	110648	22	0.5	34	3	19	120	
				breccia and minor bleaching 112.03-113.00.				113.00	114.14	1.14	110649	42	0.5	35	3	11	104	
				114.14-115.67: porphyritic andesite, hematite		30?	tr 114.14	115.67	1.53	110650	10	0.2	18	6	16	72	
				veinlets and breccia filling. Indistinct contacts.													
				115.67-126.78: breccia - calcite veined tuff			tr 115.67	116.89	1.22	1926	13	0.1	10	2	9	75	
				(lapilli - fine ash). Variably magnetic, calcareous				116.89	117.89	1.00	1927	5	0.1	8	2	2	65	
				calcite content increases (5%) in matrix													
				of lapilli tuff sections (ie. 122.14-126.78)				117.49	118.57	1.08	1928	6	0.1	14	2	5	71	
				Pyrite content increases to 0.5% at				118.57	120.09	1.52	1929	9	0.1	10	2	16	84	
				lower contact (last 1m), minor hematite													

Interval From	To	Rec%	RQD	DESCRIPTION	Fol	Py %	Interval From	To	Width	Sample Number	Au (ppb)	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	Wt Avg Au ppb/m
43.58	132.04			ANDESITE TUFF AND FLOWS (CON'T.)			120.09	120.80	0.71	1930	11	0.1	18	2	7	91	
con't.				As veinlets and breccia filling approximately 2% total													
				- 120.80-122.85: siliceous fine grained	2		120.80	121.61	0.81	1931	25	0.5	55	2	18	50	
				ash tuff. Crosscut by hairline pyrite			121.61	122.85	1.24	1932	30	0.1	73	2	19	46	
				veinlets - fracture filling, 1% disseminated pyrite.													
				- 116.89-117.49: calcite veinlets at 45 deg.			122.85	124.66	1.81	1933	30	0.3	42	2	14	81	
				trace mariposite.			124.66	126.18	1.52	1934	72	0.7	58	2	29	105	
							126.18	126.78	0.60	1935	60	0.5	44	2	91	145	
				126.78-130.73: Hematite stained porphyritic		tr	126.78	128.02	1.24	1936	12	0.1	11	2	19	84	
				andesite. 0.5% scattered round 2-4mm			128.02	129.50	1.48	1937	40	0.1	2	2	17	80	
				calcite amygdules. (possibly crystal													
				lithic tuff?) Rare feldspar crystals 1.5 x 10mm			129.50	130.73	1.23	1938	11	0.2	3	2	27	87	
				- not broken therefore must be a flow.													
				Gradational contacts. Weakly calcareous,													
				moderate to strongly magnetic.													
				130.73-132.04: Green andesite tuff.		2	130.73	131.04	0.31	1939	204	0.5	121	2	47	148	
				Upper contact gradational. Lower contact													
				at 90 deg.. Units overturned - load features			131.04	132.04	1.00	1940	175	0.3	74	2	20	78	
				at lower contact.													
				130.85: 6 cm calcite - quartz veinlet at 80 deg.													
				to C.A.. 4% disseminated pyrite in interval 130.73-131.04m.													
132.04	148.00			VOLCANIC BRECCIA - EPICLASTICS?		40 0.5	132.04	133.81	1.77	1941	102	0.7	63	2	47	182	
				ANDESITIC CLASTS: Fine - coarse ash,		50											
				porphyritic andesite, lapilli tuff clasts.			133.81	135.33	1.52	1942	21	0.1	18	2	4	105	
				Calcareous fine - grained ash matrix (30%)													
				Pyrite veinlets and disseminations in matrix			135.33	136.85	1.52	1943	18	0.2	20	2	4	80	
				clasts (20cm across. Average 7-10 cm			136.85	138.83	1.98	1944	34	0.2	28	2	6	88	
				unit mostly lapilli tuff.			138.83	139.90	1.07	1945	52	0.7	19	2	22	83	
				Bedding approximately 40 deg.. Local hematite staining			139.90	141.43	1.53	1946	59	0.6	38	2	21	88	
				up to 4% pyrite at upper contact			141.43	142.95	1.52	1947	26	0.2	13	2	3	86	
				decreasing to trace at 133.81m.			142.95	144.47	1.52	1948	7	0.1	15	2	10	84	
				Variably magnetic - weak - mod.			144.47	145.99	1.52	1949	34	0.2	29	2	12	77	
				2-5% calcite as fracture fillings, matrix			145.99	148.00	2.01	1950	23	0.4	35	2	15	98	
				filling, occasional quartz-calcite veinlets.													

AURUM GEOLOGICAL CONSULTANTS INC.
Client: INCO EXPLORATION AND TECHNICAL SERVICES INC.
Property: Rossbank/Marsh NTS: 105D/09 Elevation: 684m.
Coord.: 4N+88.60N/86+52. Core size: NQWL Drilled by: Caron Diamond Drilling

DIAMOND DRILL LOG Hole No. 90-3
Azimith:30 deg Length:214.58m Dip:-44 deg.
Drill Type: Longyear 38 Logged by:R.A.D./R.H.

Date started: 22/09/90
Date compltd: 26/09/90

Interval From	To	Rec%	RQD	DESCRIPTION	Fol	Py %	Interval From	To	Width	Sample Number	Au (ppb)	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	Wt Avg Au ppb/m
148.00	154.00			**ANDESITE TUFF AND FLOWS.**	tr		148.00	149.05	1.05	110676	20	0.3	18	2	5	73	
				Predominantly green fine-coarse ash			149.05	150.57	1.52	110677	60	0.6	26	3	10	100	
				tuff, lapilli tuff, local porphyritic			150.57	152.09	1.52	110678	9	0.2	12	2	11	69	
				zones assumed to be flows.			152.09	153.09	1.00	110679	7	0.2	23	2	10	81	
				Bedding 70 deg. at 148.85m - contact			153.09	154.00	0.91	110680	2	0.2	26	4	7	61	
				porphyritic 148.85-149.55.													
				- occasional quartz-calcite veinlets 45-70 deg..													
				BLEACHED PYRITIC - MINERALIZED ZONE, LAPILLI-	45	4											
				ANDESITE ASH TUFFS - Light green,	70												
				specks mariposite, weakly calcareous, non-													
				magnetic. Weak - moderately foliated 70-45													
				to C.A.. Locally brecciated silicified													
				quartz veined and or flooded. Pyrite													
				disseminated and as veinlets-fracture													
				fillings throughout increasing to 10%													
				in siliceous - quartz vein zones. Specks -													
				2% disseminated galena in pyritic - banded - quartz													
				vein zones. 2 or more phases of veining.													
				154.00-154.50: Disseminated pyrite, anastomosing		2	154.00	154.50	0.50	110681	221	1.5	267	6	58	227	
				calcite veinlets, trace quartz, possible dissem. galena?													
				154.50-155.70: Light green, coarse ash tuff.			154.50	155.70	1.20	110682	25	0.2	35	4	8	81	
				155.70-156.36: Trace (<1cm gouge), pyritic, sheared at	70	4	155.70	156.36	0.66	110683	190	1.4	106	15	50	163	
				70 deg.to C.A..													
				Broken core. 4 cm quartz veining. trace galena?													
				156.36-156.88: Brecciated, pyritic, minor	50	4	156.36	156.88	0.52	110684	199	0.6	48	3	37	80	
				calcite veinlets. Pyrite in matrix (30%).													
				156.88-157.18: 3 cm quartz-calcite veinlet 70 deg.	40	4	156.88	157.18	0.30	110685	✓1029	1.4	322	10	683	267	
				to C.A..with a 2mm galena band - bleb.													
				Possible disseminated galena in pyritic ash tuff													
				157.18-158.04: Breccia, pyritic, minor quartz -	40	2	157.18	158.04	0.86	110686	134	0.7	46	3	36	148	
				silicified zones. (<10%).													
				158.04-158.34: As above with 2-4mm quartz -	40	2	158.04	158.34	0.30	110687	82	0.8	77	4	380	372	
				galena veinlet 70 deg. to C.A..													
				158.34-159.23: Pyritic disseminated and as veinlets	70	10	158.34	158.70	0.36	110688	28	0.5	237	5	51	200	
				(50/50), 18 cm quartz-siliciceous zone with tr.			158.70	158.98	0.28	110689	✓4605	5.3	449	69	1918	6550	} 2126/1.01m
				0.5% disseminated galena, section 40% silicified from			158.98	159.23	0.25	110690	✓1102	2.5	213	12	271	596	
				158.70-158.98m.													

AURUM GEOLOGICAL CONSULTANTS INC.

Client: INCO EXPLORATION AND TECHNICAL SERVICES INC. DIAMOND DRILL LOG Hole No. 90-3

Property: Rossbank/Marsh NTS: 105D/09 Elevation: 684m. Azimith:30 deg Length:214.58m Dip: -44 deg. Date started: 22/09/90

Coord.: 48+88.60N/86+52. Core size: NQWL Drilled by: Caron Diamond Drilling Drill Type: Longyear 38 Logged by: R.A.D./R.H. Date compltd: 26/09/90

Interval From	To	Rec%	RQD	DESCRIPTION	Fol	Py %	Interval From	To	Width	Sample Number	Au (ppb)	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	Wt Avg Au ppb/m
156.00	160.83			BLEACHED MINERALIZED ZONE (CON'T.)													
con't.				159.23-159.71: Banded grey quartz and silica flooding with pyrite bands and dissem. tr-0.5% galena 159.23-159.41.	75	10	159.23	159.41	0.18	110691	✓761	9.6	269	95	3078	3195	2126/1.01m
				Andesite is brecciated with comminuted tuff-pyrite-silica matrix, trace disseminated galena.			159.41	159.71	0.30	110692	✓1484	4.7	493	32	543	1123	
				159.71-160.12: bleached, pyrite veinlets, calcite.	70	5	159.71	159.92	0.21	110693	388	2.2	489	13	196	350	
				- grey quartz flooded zone with pyrite, galena 159.92-160.12			159.92	160.12	0.20	110694	337	3.5	172	30	1298	781	
				160.12-160.83: Bleached, minor <1cm quartz-calcite vein at 80 deg. to C.A. with disseminated galena.		1-2	160.12	160.83	0.71	110695	171	0.7	76	4	40	128	
				- bleaching either side of fractures.													
				- gradational contacts.													
160.83	214.58			ANDESITE TUFF (FINE ASH - LAPILLI) AND FLOWS.		tr	160.83	162.46	1.63	110696	28	0.3	15	2	11	70	
				As above 148.00-154.00.			162.46	164.15	1.69	110697	48	0.3	21	2	7	77	
				Weakly bleached at upper contact (first 3m).													
				- zoned quartz - calcite amygdules 163.85-164.15.													
				- porphyritic from 160.83-164.15.													
				- calcareous and magnetic 165.15.			164.15	165.15	1.00	110698	239	0.9	47	3	188	208	
				164.15-165.15: Breccia, approximately 10-15% quartz		2	165.15	166.16	1.01	110699	10	0.4	48	2	10	81	
				filling and silicification, disseminated pyrite-patchy			166.16	166.36	0.20	110700	✓6340	4.2	2061	19	132	198	5046/0.71m
				165.15-166.15: Green porphyritic andesite.		tr	166.36	166.87	0.51	201401	✓4539	2.4	4540	19	40	247	
				166.16-166.87: Bleached, mariposite specks,		4	166.87	168.71	1.84	201402	74	0.5	34	2	11	94	
				8cm white quartz vein - quartz flooding at approx.			168.71	170.23	1.52	201403	75	0.6	50	2	18	100	
				70 deg. to C.A., 0.5% disseminated galena in quartz			170.23	171.45	1.22	201404	161	0.8	63	4	16	150	
				zone is brecciated and crosscut by anastomosing			171.45	172.50	1.05	201405	✓659	1.4	448	7	57	244	
				quartz veinlets.			172.50	173.28	0.78	201406	25	0.4	58	2	14	186	
				166.87-180.75: Occasional quartz and/or calcite		50 tr	173.28	174.80	1.52	201407	27	0.3	37	2	7	99	
				veinlets commonly 70 deg. to C.A. or			174.80	176.48	1.68	201408	16	0.2	13	3	8	110	
				anastomosing, nonmagnetic and calcareous.			176.48	178.00	1.52	201409	5	0.2	14	2	3	74	
				Minor hematite as patches or staining.			178.00	179.53	1.53	201410	7	0.2	18	2	5	75	
							179.53	180.75	1.22	201411	20	0.4	32	3	13	94	
				180.75-182.82: Moderately bleached light green pyritic tuff. Specks mariposite crosscut at 70 deg. by banded (white and grey) quartz vein at 181.00-181.14m with trace galena, brecciated-crackle breccia throughout.	70	3	180.75	181.75	1.00	201412	258	0.9	91	3	77	140	

AURUM GEOLOGICAL CONSULTANTS INC.

Client: INCO EXPLORATION AND TECHNICAL SERVICES INC.

DIAMOND DRILL LOG Hole No. 90-3

Property: Rossbank/Marsh NTS: 105D/09 Elevation: 684m. Azimith:30 deg Length:214.58m Dip: -44 deg. Date started: 22/09/90

Coord.: 48+88.60N/86+52. Core size: NQWL Drilled by: Caron Diamond Drilling Drill Type: Longyear 38 Logged by: R.A.D./R.H. Date compltd: 26/09/90

Interval From	To	Rec%	RQD	DESCRIPTION	Fol	Py %	Interval From	To	Width	Sample Number	Au (ppb)	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	Wt Avg Au ppb/m
160.83	214.58			ANDESITE TUFF AND FLOWS (CON'T).													
con't.				- 180.75-182.82: con't.													
				stringers and blebs of galena (<0.5%) in light green section from 181.75-182.15m. This section approximately 50% silicified.	45	2	181.75	182.82	1.07	201413	338	1.1	171	3	301	715	
				182.82-184.70: Pyritic lapilli tuff, pyrite in matrix of lapilli and/or breccia ash tuff.		3	182.82	184.10	1.28	201414	68	0.8	121	2	21	126	
				184.68: 2cm quartz calcite vein (50/50) 45 deg. to C.A.. Minor bleaching at upper contact.	45	0.5	184.10	184.70	0.60	201415	28	0.7	28	3	22	141	
							184.70	185.10	0.40	201416	30	0.4	65	2	15	135	
				185.22: 3 cm quartz calcite vein at 90 deg. to C.A. in minor bleached zone (20cm wide) with			185.10	185.30	0.20	201417	24248	6.5	2351	20	439	1530	
							185.30	187.15	1.85	201418	40	0.2	12	2	9	86	
				0.5% disseminated pyrite possible fine grained diss. galena?			187.15	188.67	1.52	201419	188	0.8	38	2	224	197	
							188.67	189.10	0.43	201420	6	0.2	16	2	7	80	
				189.10-195.50: bleached and veined andesite.		2											
				- 189.10-189.40: Srongly bleached, pyritized disseminations and veinlets. Trace to 0.5% diss. galena. (1) 1 cm wide quartz white and grey quartz vein with Galena, interval approximately 30% silicified.	70	7	189.10	189.40	0.30	201421	392	3.7	120	11	642	1313	
				189.40-189.95: Weakly bleached and quartz calcite veined (<3% total).		tr	189.40	189.95	0.55	201422	11	0.4	26	3	9	106	
				189.95-190.45: Brecciated, moderately bleached, 70% silicified, (1) 6cm quartz calcite zone. (anastomosing veinlets), pyrite in matrix as disseм. and veinlets.	65	2	189.95	190.45	0.5	201423	103	1.1	38	6	68	238	
				190.45-193.00: Strongly bleached.	45	tr	190.45	191.37	0.92	201424	11	0.3	43	3	17	103	
				Irregular quartz veinlets from 191.45-191.55			191.37	191.72	0.35	201425	19	0.5	44	4	45	99	
				with trace galena, pyrite, and blebs of dark green sericite.			191.72	193.00	1.28	201426	7	0.3	32	4	20	79	
				193.00-193.30: Quartz veined - silicified - flooded and brecciated, trace galena (very fine grained) and <0.5% fine grained disseminated pyrite.	70	0.5	193.00	193.30	0.30	201427	41	0.7	42	7	38	168	

Interval From	To	Rec%	RQD	DESCRIPTION	Fol	Py %	Interval From	To	Width	Sample Number	Au (ppb)	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	Wt Avg Au ppb/m
160.83	214.58			ANDESITE TUFF AND FLOWS (CON'T.)													
con't.				193.30-197.13: Lapilla tuff													
				193.30-195.00: Green weakly bleached lapilli tuff.			193.30	195.00	1.70	201428	18	0.5	34	2	10	120	
				195.00-195.50: Strongly bleached, breccia cut by breccia and non breccia quartz veinlets. Dissem. pyrite and possible very fine grained grey sulfides (galena?) Trace (2) specks mariposite. Interval is <10% silicified. 0.5cm clay gouge on 45 deg. fracture at 195.43m.	1		195.00	195.50	0.50	201429	121	0.5	68	6	65	154	
				195.80: Calcite veinlets <0.5cm wide at 90 deg. and 30 deg. to C.A., calcareous 193.30-195.00.			195.50	196.29	0.79	201430	374	0.6	28	2	51	184	
				196.37-196.84: Trace hematite, pyrite increases to 1% - disseminated in lapilli tuff matrix.	1		196.29	196.84	0.55	201431	85	1.0	37	2	63	269	
				196.84-197.13: Breccia and 90% silicified. 20% irregular quartz blebs (breccia quartz vein) and veinlets, disseminated pyrite and pyrite blebs in matrix trace hematite, weak calcite.	3		196.84	197.13	0.29	201432	250	2.0	82	7	144	346	
				197.13-199.24: Green porphyritic calcareous magnetic andesite.			197.13	197.81	0.68	201433	23	0.5	15	2	8	109	
							197.81	199.24	1.43	201434	9	0.1	12	2	4	81	
				199.24-204.23: Green fine - coarse ash andesite ash tuff. Locally breccia, minor quartz and calcite stringers. Predominantly calcareous and non-magnetic.			199.24	200.04	0.80	201435	105	0.7	34	2	35	136	
				200.04-200.25: Silicified, crosscut by quartz calcite veinlets, disseminated pyrite.	2		200.04	200.25	0.21	201436	676	2.0	170	4	314	462	
							200.25	200.85	0.60	201437	41	0.1	12	2	12	146	
				204.23-208.36: Green porphyritic calcareous andesite.			200.85	202.39	1.54	201438	99	0.4	22	2	10	113	
							202.39	202.60	1.21	201439	12	0.1	16	2	10	96	
							202.60	204.23	0.63	201440	27	0.2	27	2	39	145	
				208.36-214.58: Breccia (lapilli tuff?) with very fine grained disseminated pyrite and pyrite veinlets in matrix. Minor (<2%), quartz and calcite stringers and breccia quartz and calcite veinlets.			204.23	205.13	0.90	201441	10	0.2	13	2	14	92	
							205.13	206.65	1.52	201442	19	0.1	20	2	20	84	
							206.65	208.36	1.71	201443	22	0.1	18	2	10	94	

AURUM GEOLOGICAL CONSULTANTS INC.

Client: INCO EXPLORATION AND TECHNICAL SERVICES INC.

Property: Rossbank/Marsh NTS: 105D/09 Elevation: 684m.

Coord.: 48+88.60N/86+52. Core size: NQWL Drilled by: Caron Diamond Drilling

DIAMOND DRILL LOG Hole No. 90-3

Azimuth:30 deg. Length:214.58m Dip: -44 deg.

Drill Type: Longyear 38 Logged by: R.A.D./R.H.

Date started: 22/09/90

Date compltd: 26/09/90

Interval From	To	Rec%	RQD	DESCRIPTION	Fol	Py %	Interval From	To	Width	Sample Number	Au (ppb)	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	Wt Avg Au ppb/m
160.83	214.50			ANDESITE TUFF AND FLOWS (CON'T.)													
con't.				210.83-211.05: Breccia, weakly silicified	60	3	208.36	209.70	1.34	201444	89	1.7	44	3	117	443	
				8 cm banded and brecciated, white and grey quartz			209.70	210.83	1.13	201445	34	0.8	29	2	42	168	
				vein, minor calcite, minor pyrite.			210.83	211.05	0.22	201446	387	2.4	201	4	131	427	
				Pyrite disseminated in matrix of brecciated			211.05	212.00	0.95	201447	39	0.4	31	2	23	141	
	214.58			andesite.			212.00	212.75	0.75	201448	24	0.2	27	2	16	123	
	E.O.H.																
				214.38: 2 cm brecciated quartz vein, in 10cm			212.75	214.28	1.53	201449	101	0.7	46	2	22	140	
				silicified, weakly bleached zone with approximately			214.28	214.58	0.30	201450	862	1.1	286	2	97	336	
				2% pyrite.													
				E.O.H. 214.58m.													

CAVE??

S-006/80,.2
H-006/ I,.2

S-005/4,.2
H-005/4,.2
POST No. I
92710
92711

S-004/17,.1
H-004/18,.1

S-003/11,.2
H-003/1,.1

S-002/6,.2
H-002/3,.1

S-001/5,.2
H-001/6,.1
HOUSE

DDH90-1
-45°

DDH90-2
-55°

PPs, PPsh

ALPHA CREEK

BETA CREEK

ROAD

Yukon River

CREEK ZONE (SEE FIG. 5)

MARIPOSITE ZONE

NORTHERN LIMIT OF AIRPHOTO COVERAGE

ALASKA HIGHWAY

MARSH LAKE FAULT (APPROXIMATE LOCATION)

GRAVEL PIT

GRAVEL PIT

M'CLINTOCK RIVER

BRIDGEHEAD RESERVE

M'CLINTOCK BRIDGE

MARSH LAKE

M'CLINTOCK ZONE (SEE FIG. 6)

DETAILED TRENCH MAP See Figure 7

Base Line 120°

60°34'

134°30'

LEGEND

LITHOLOGIES

TRIASSIC OR YOUNGER(?)

- Tb — Basalt, massive
- Tg — Gabbro
- Ta — Maroon and green weathering intermediate tuffs and flows, minor shale
- TL — Limestone

CARBONIFEROUS AND PERMIAN CACHE CREEK GROUP

- PPs — Serpentinite
- PPsh — Shale, locally graphitic

SYMBOLS

- Geological contact (defined, approximate, assumed)
- Fault or Shear Zone with dip (defined, approximate)
- Vein with dip
- Attitude of Bedding
- Attitude of Foliation
- Attitude of Jointing
- Adit
- Adit-caved
- Claim post
- Claim boundary (unsurveyed)
- Highway, Road
- Bridge
- Creek
- Swamp
- 2300 — Topographical contour-interval is 100 feet
- Land withdrawn from staking due to native land claims
- Outcrop (approximate)
- DDH90-1 -45° — Diamond Drill Hole Collar, number, dip (Projected vertically to surface)
- Airphoto Lineament

GEOCHEMISTRY

153/17, .2 — Rock Sample (1990)
153/17, .2 — Silver in ppm; Gold in ppb; Sample number (all numbers preceeded by 344)

200/5, .2 — Soil Sample (1990)
200/5, .2 — Silver in ppm; Gold in ppb; Sample number (preceeded by S-67-A, auger sample)

S-001/5, .2
88H-001/6, .1 — Stream Silt Sample (1990)
S-001/5, .2 — Silver in ppm; Gold in ppb; Sample number (preceeded by S-67)

Heavy Mineral Pan Sample (1990)
H-001/6, .1 — Silver in ppm; Gold in ppb; Sample number (preceeded by S-67)

cal	calcite
carb	carbonate minerals
ep	epidote
FeOx	iron oxides
mar	mariposite
po	pyrrhotite
qtz	quartz
vlt	veinlet

092888

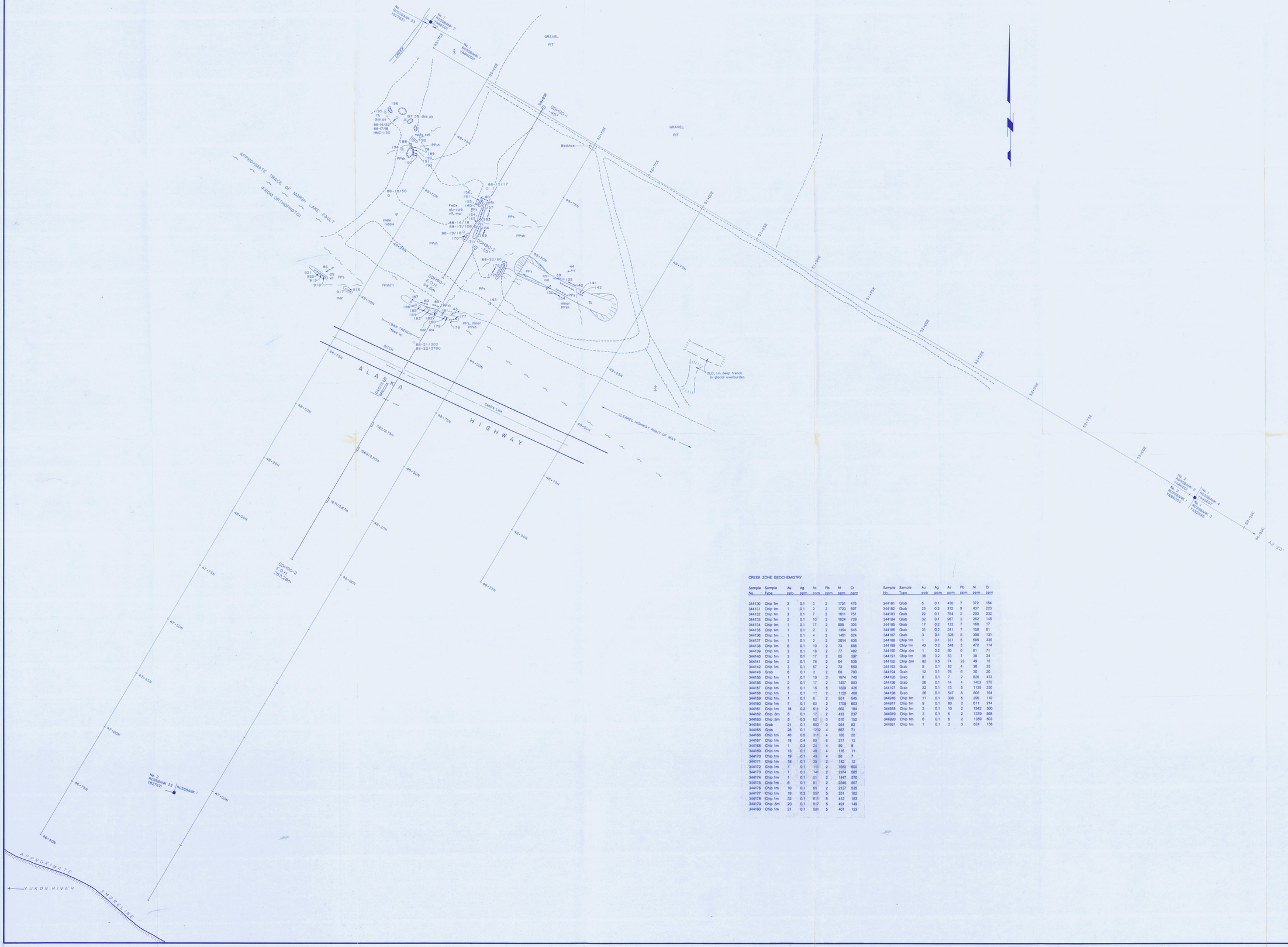
100 0 100 200 300 400 500
METERS
1 : 5,000

INCO EXPLORATION AND TECHNICAL SERVICES INC.
ROSSBANK PROPERTY
WHITEHORSE MINING DISTRICT, YUKON TERRITORY

ROSSBANK CLAIMS
GEOLOGY

Aurum Geological Consultants Inc. | Date: NOVEMBER 1990
NTS: 105-D/9,10 | Drawn by: L.W./H.S. | Scale: 1:5,000 | Figure No. 4

MAP#105 D/9, D/10 Doc#092888 (262)



LEGEND

LITHOLOGIES

TRIASSIC OR YOUNGER(?)

- Tb — Basalt, massive

CARBONIFEROUS AND PERMIAN CACHE CREEK GROUP

- PPs — Serpentinite
- PPsh — Shale, locally graphitic

SYMBOLS

- Geological contact (defined, approximate, assumed)
- 65 — Fault or Shear Zone with dip (defined, approximate)
- 70 — Vein with dip
- 70 / 56 — Attitude of Bedding
- 70 — Attitude of Foliation
- Attitude of Jointing
- Claim Post
- Outcrop
- Pit
- Dump Pile
- Cat Track
- Picket Grid
- DDH90-2 55° / 1989/2.50m — DIAMOND DRILL HOLE COLLAR NUMBER AND INCLINATION; INTERSECTION INTERVAL Au ppb/metres
- E.O.H. — End of hole
- 253.28m — Length in metres

GEOCHEMISTRY

- Δ — Rock Grab or Rock Float Sample Site / 55 — Sample Number (preceeded by 344)
- Rock Chip Sample Site (same element sequence as Rock Grab)
- o — 88-20/60 = Au ppb (1988 Rock Sample Site (approximate location) Sample Number

ank	ankerite
carb	carbonate minerals
FeOx	iron oxides
gr	graphite
mar	mariposite
qtz	quartz
py	pyrite
vlt	veinlet
vn	vein

CREEK ZONE GEOCHEMISTRY

Sample No.	Sample Type	Au ppb	Ag ppm	As ppm	Pb ppm	Ni ppm	Cr ppm
344130	Chip 1m	3	0.1	3	2	1751	475
344131	Chip 1m	1	0.1	2	2	1720	697
344132	Chip 1m	3	0.1	7	2	1611	751
344133	Chip 1m	2	0.1	10	2	1624	728
344134	Chip 1m	1	0.1	17	2	995	303
344135	Chip 1m	1	0.1	2	2	1354	645
344136	Chip 1m	1	0.1	4	2	1451	624
344137	Chip 1m	1	0.1	2	2	2014	836
344138	Chip 1m	6	0.1	19	2	73	656
344139	Chip 1m	3	0.1	18	2	77	482
344140	Chip 1m	3	0.1	17	2	65	397
344141	Chip 1m	2	0.1	78	2	64	535
344142	Chip 1m	3	0.1	67	2	72	669
344143	Grab	6	0.1	2	2	68	790
344155	Chip 1m	1	0.1	19	2	1874	745
344156	Chip 1m	2	0.1	17	2	1407	553
344157	Chip 1m	5	0.1	15	5	1229	426
344158	Chip 1m	1	0.1	11	2	1150	468
344159	Chip 1m	1	0.1	6	2	951	545
344160	Chip 1m	7	0.1	62	2	1708	603
344161	Chip 1m	18	0.2	611	2	560	184
344162	Chip 8m	6	0.1	17	2	433	237
344163	Chip 8m	5	0.3	62	3	510	152
344164	Grab	21	0.1	800	9	954	52
344165	Grab	28	0.1	1232	4	867	71
344166	Chip 1m	48	0.5	311	4	186	22
344167	Chip 1m	18	0.4	82	5	217	12
344168	Chip 1m	1	0.3	24	4	59	8
344169	Chip 1m	13	0.1	48	4	116	11
344170	Chip 1m	19	0.1	49	4	88	7
344171	Chip 1m	18	0.1	35	2	142	12
344172	Chip 1m	1	0.1	111	2	1652	600
344173	Chip 1m	1	0.1	141	2	2374	585
344174	Chip 1m	1	0.1	51	2	1447	570
344175	Chip 1m	6	0.1	81	2	2345	567
344176	Chip 1m	10	0.1	66	2	2137	535
344177	Chip 1m	19	0.2	557	5	351	162
344178	Chip 1m	32	0.1	611	8	412	183
344179	Chip 5m	23	0.1	517	5	491	149
344180	Chip 1m	21	0.1	501	5	401	123

Sample No.	Sample Type	Au ppb	Ag ppm	As ppm	Pb ppm	Ni ppm	Cr ppm
344181	Grab	5	0.1	430	7	372	164
344182	Grab	23	0.2	312	9	437	223
344183	Grab	22	0.1	784	2	293	232
344184	Grab	32	0.1	967	3	262	145
344185	Grab	17	0.2	132	7	158	17
344186	Grab	31	0.2	241	7	158	61
344187	Grab	3	0.1	328	5	396	131
344188	Chip 1m	1	0.1	331	5	565	335
344189	Chip 1m	43	0.2	548	3	472	114
344190	Chip 4m	1	0.2	60	6	81	71
344191	Chip 1m	36	0.2	83	7	38	34
344192	Chip 5m	82	0.5	74	23	49	15
344193	Grab	5	0.1	82	4	36	35
344194	Grab	12	0.1	76	6	30	20
344195	Grab	8	0.1	7	2	826	413
344196	Grab	26	0.1	14	4	1403	270
344197	Grab	22	0.1	13	5	1125	250
344198	Grab	26	0.1	547	8	805	164
344916	Chip 1m	11	0.1	308	5	396	110
344917	Chip 1m	9	0.1	80	2	611	214
344918	Chip 1m	2	0.1	10	2	1342	560
344919	Chip 1m	3	0.1	5	2	1379	568
344920	Chip 1m	6	0.1	6	2	1359	503
344921	Chip 1m	1	0.1	2	3	624	158

092888

10 0 10 20 30 40 50

SCALE IN METRES

1 : 500

INCO EXPLORATION AND TECHNICAL SERVICES INC.

ROSSBANK PROPERTY
WHITEHORSE MINING DISTRICT, YUKON TERRITORY

CREEK ZONE

GEOLOGY AND GEOCHEMISTRY

Mining Lands Div. File-Doc #092888 (261)

Aurum Geological Consultants Inc. November 1990

NTS 105 D/10	DRAWN BY LW/SH	SCALE 1 : 500	FIGURE 5

LEGEND

LITHOLOGIES

TRIASSIC OR YOUNGER(?)

- Tb — Basalt, massive
- Ta — Maroon and green weathering interbedded tuffs and flows

SYMBOLS

- Fault or Shear Zone with dip (defined, approximate)
- Vein with dip
- Attitude of Bedding
- Attitude of Foliation
- Attitude of Jointing
- Claim Post
- Trench
- Adit (UG=Underground)
- Caved Shaft
- Cat track
- Picket Grid
- Forested
- Outcrop
- Escarpment
- DDH90-3 / 44° / 995/1.5m — Diamond Drill Hole Collar Number and Inclination; Intersection Interval Au ppb/metres
- E.O.H. 204.58m — End of hole; Length in metres
- HOLE PROJECTED VERTICALLY TO SURFACE

GEOCHEMISTRY

- Rock Grab or Rock Float Sample Site 344907/Au ppb, Ag ppm, As ppm, Pb ppm — Sample Number
- Rock Chip Sample Site (same element sequence as Rock Grab)
- Soil Sample Site 567A-401/Au ppb, Ag ppm, As ppm, Pb ppm — Sample Number

bx	breccia
gn	galena
cal	calcite
py	pyrite
qtz	quartz
mar	mariposite
po	pyrrhotite
sil	silicification
lim	limonite
ank	ankerite
pyx	pyroxene
carb	carbonate
hem	hematite
sp	sphalerite
fol	foliated
por	porphyritic

092888

10 0 10 20 30 40 50
SCALE IN METRES
1 : 500

INCO EXPLORATION AND TECHNICAL SERVICES INC.

ROSSBANK PROPERTY
WHITEHORSE MINING DISTRICT, YUKON TERRITORY

M'CLINTOCK ZONE

GEOLOGY AND GEOCHEMISTRY

Aurum Geological Consultants Inc.			November 1990
NTS 105 D/9 & 10	DRAWN BY RH/SH	SCALE 1 : 500	FIGURE 6

Mapp#105 D/9, D/10 Doc#092888 (263)

ROCK SAMPLES - Trench 90-3.

Sample Number	Wth m	Au ppb	Ag ppm	As ppm	Pb ppm	Sb ppm
344997	1.0	55	1.1	76	43	2
344998	0.55	809	1.4	505	272	6
344999	1.0	13	1.0	31	173	7
345000	0.25	353	1.0	220	173	7
344806	0.80	101	1.0	178	65	6
344807	1.3	75	1.3	41	50	4
344808	1.3	62	0.9	28	44	5
344809	1.1	110	1.1	107	37	6
344810	0.5	14936	11.3	5101	1295	45
344811	0.8	651	1.0	297	74	11
344812	0.5	58	0.4	56	19	2
344813	0.7	170	0.6	134	52	6
344814	0.5	237	0.8	347	77	6
344815	0.6	119	0.8	262	56	5
344816	0.5	101	0.8	122	57	3
344817	0.4	609	1.7	353	99	20
344818	0.35	6208	2.2	506	52	11
344819	0.9	206	1.8	312	93	9
344820	0.7	89	0.8	151	74	3
344821	0.5	781	0.7	207	88	6
344822	0.60	190	1.6	370	205	8
344823	0.25	307	3.2	286	1874	12
344824	0.80	261	1.1	219	62	7
344825	0.40	555	0.7	251	110	8
344826	0.65	304	0.5	114	40	3
344827	1.30	24	0.3	28	25	3
344828	0.80	269	0.9	286	78	15
344829	1.10	31	0.2	28	14	2
344830	1.10	94	0.7	167	55	0
344831	0.85	103	0.3	126	32	7
344832	0.90	525	1.2	235	140	14
344833	0.50	74	0.3	37	17	3
344834	1.4	65	0.1	64	19	3
344835	0.60	243	0.8	156	54	6
344836	1.10	115	1.20	103	66	4
344837	0.80	27	0.10	28	11	2
344838	0.60	121	1.0	189	84	10
344839	0.90	143	0.6	74	31	4
344840	1.30	22	0.1	2	11	2
344841	0.50	51	0.6	62	145	4
344842	0.70	106	0.6	119	39	5

ROCK SAMPLES - Trench 90-2.

Sample Number	Wth m	Au ppb	Ag ppm	As ppm	Pb ppm	Sb ppm
344968	0.40	118	0.7	171	157	7
344969	0.40	702	150.9	466	22057	333
344970	0.50	210	7.6	264	2066	34
344971	1.25	146	1.8	396	514	14
344972	0.60	435	74.5	483	22854	294
344973	0.40	129	1.0	263	213	13
344974	0.95	294	1.0	161	248	7
344975	0.80	95	0.7	242	59	7
344976	0.70	789	4.2	494	1976	39
344977	1.20	102	0.5	133	77	6
344978	1.15	181	1.1	140	90	13
344979	0.90	101	0.9	143	66	9
344980	0.50	103	1.2	145	66	7
344981	0.30	150	1.6	182	118	12
344982	125	107	1.2	131	61	9
344983	1.50	87	1.1	155	67	21
344984	0.75	164	1.3	326	122	18
344985	1.30	183	0.6	239	63	1
344986	0.70	12	0.7	23	11	2
344987	0.60	428	39.2	434	17224	97
344988	1.20	203	1.9	202	115	7

ROCK SAMPLES - Trench 90-1.

Sample Number	Wth m	Ag ppb	Ag ppm	As ppm	Pb ppm	Sb ppm
344989	1.20	402	1.4	145	464	9
344990	0.45	56	0.6	89	45	6
344991	0.25	797	3.7	328	1228	67
344992	0.50	123	0.7	122	73	5
344993	1.2	11	0.1	19	38	4
344994	0.65	4	0.2	50	26	4
344995	GRAB	354	0.6	132	88	5
344996	GRAB	1	0.2	36	12	4

ROCK SAMPLES - Trench 90-4.

Sample Number	Wth m	Au ppb	Ag ppm	As ppm	Pb ppm	Sb ppm
344951	0.57	396	3.8	345	134	27
344952	0.20	15105	9.4	336	534	26
344953	0.37	93	0.1	66	6	5
344954	0.77	103	1.6	54	46	5
344955	0.80	169	2.3	197	77	17
344956	0.60	499	2.2	366	440	25
344957	0.40	649	3.0	235	109	17
344958	0.20	2692	4.6	183	551	25
344959	1.0	173	1.6	287	55	13
344960	1.50	123	2.1	144	44	25
344961	0.80	6037	4.5	296	159	23
344962	0.65	4241	3.4	200	200	18
344963	1.05	297	3.3	290	177	13
344964	1.50	119	1.1	135	42	9
344965	0.40	3283	4.0	290	350	21
344966	1.0	241	1.4	202	56	10
344967	1.0	201	1.6	195	60	12

NOTES:

- Brown, weathering tuff/basalt, reacts to HCL grey colored where fresh (reacts to HCL after powdering)
- All rocks carbonitized. Locally pyritized (1-3% diss f.g. py)
- py content increases towards shear zones
- Yellow white-blended-clay altered zone often adjacent to veining
- Two pridominant strikes for Fol/shr'd - 105-125° (45-70 S) 150° (45-70 S)

LEGEND

LITHOLOGIES

TRIASSIC OR YOUNGER (?)

- Ta — Basalt, massive
- Tb — Maroon and green weathering interbedded tuffs and flows

SYMBOLS

- Fault or shear zone (defined)
- Veinlet, vein, with dip (40 70)
- Attitude with dip (65)
- Attitude of jointing
- Attitude of bedding or structure (65)
- Trench boundary (floating inward)
- Outcrop
- O.B. — Overburden
- Survey station
- Gridline and station (49+50N)
- Sample interval and end numbers (963 961)

S_o	Bedding	dolm	dolomite
Fol	Foliated	chl	chlorite
shr'd	Sheared	gn	galena
f.g.	Fine grained	py	pyrite
bx	Brecciated	VN	vein
qv	quartz vein		
q-c	quartz - calcite		
qtz	quartz		
carb	carbonate		
mn	manganese		
dolm	dolomite		
chl	chlorite		
gn	galena		
py	pyrite		

092888

0 1 2 3 4 5 6 Metres

INCO EXPLORATION AND TECHNICAL SERVICES INC.

ROSSBANK PROPERTY
WHITEHORSE MINING DISTRICT, YUKON TERRITORY

M'CLINTOCK ZONE

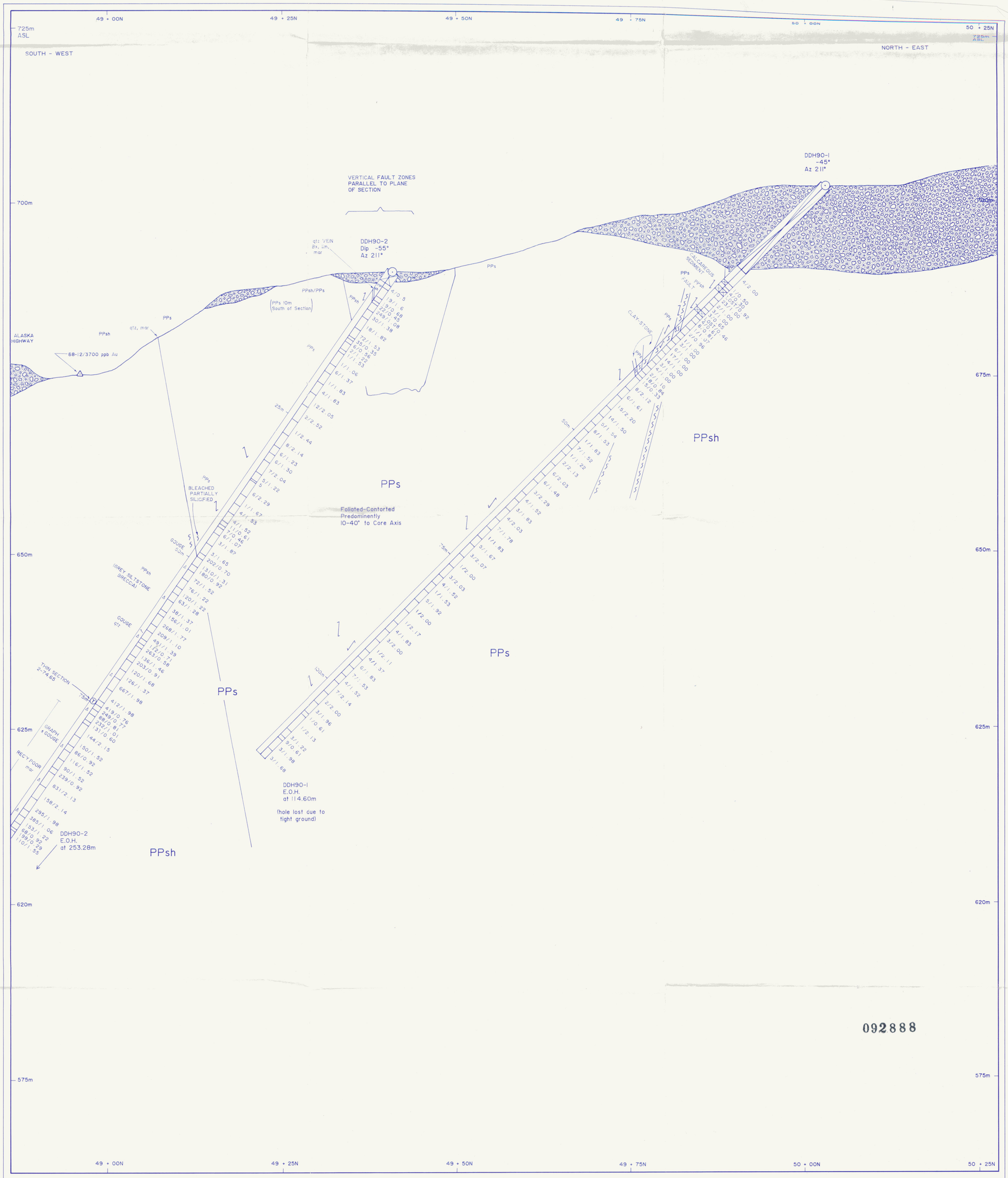
TRENCH 90-1, 90-2, 90-3, 90-4

Aurum Geological Consultants Inc. | NOVEMBER 1990

NTS: 105D/9&10 | SCALE: 1:100 | Drawn by: RH LK | FIGURE: 7

MAP# 105D/9-B/10 Dec# 092888

264



092888

LEGEND

LITHOLOGIES

TRIASSIC OR YOUNGER (?)

- Tb — Basalt, andesite, tuffs, flows, agglomerates
- Td — Dacite

CARBONIFEROUS AND PERMIAN CACHE CREEK GROUP

- PPs — Serpentinite
- PPsh — Shale, siltstone, claystone, arkose, (± tuff), locally graphitic

SYMBOLS

- ground surface
- geological boundary ; defined, approximate, assumed
- diamond drill hole
  - lithology & structure
  - assay information Au in ppb
  - weighted average Au in ppb / metre
- cased interval ; no core recovery
- g.c. ground core
- contacts (no orientation), contact (with orientation)
- foliation
- bedding
- fracture
- fault
- shear zone
- stratigraphic tops
- brecciated rock
- mineralized interval : as - arsenopyrite, py - pyrite, sp sphalerite, gn galena, po pyrrhotite, cp chalcopyrite, lm limonite, gt graphite ; visual estimate of mineral content in volume percent if greater than 1 percent; N/S - not sampled
- assayed trench chip sample projected to section ;
- trench location
- downhole measurement marker (in metres)
- rock sample location
- T — thin section location

12.5 10 5 0 12.5
METRES

INCO EXPLORATION AND TECHNICAL SERVICES INC.

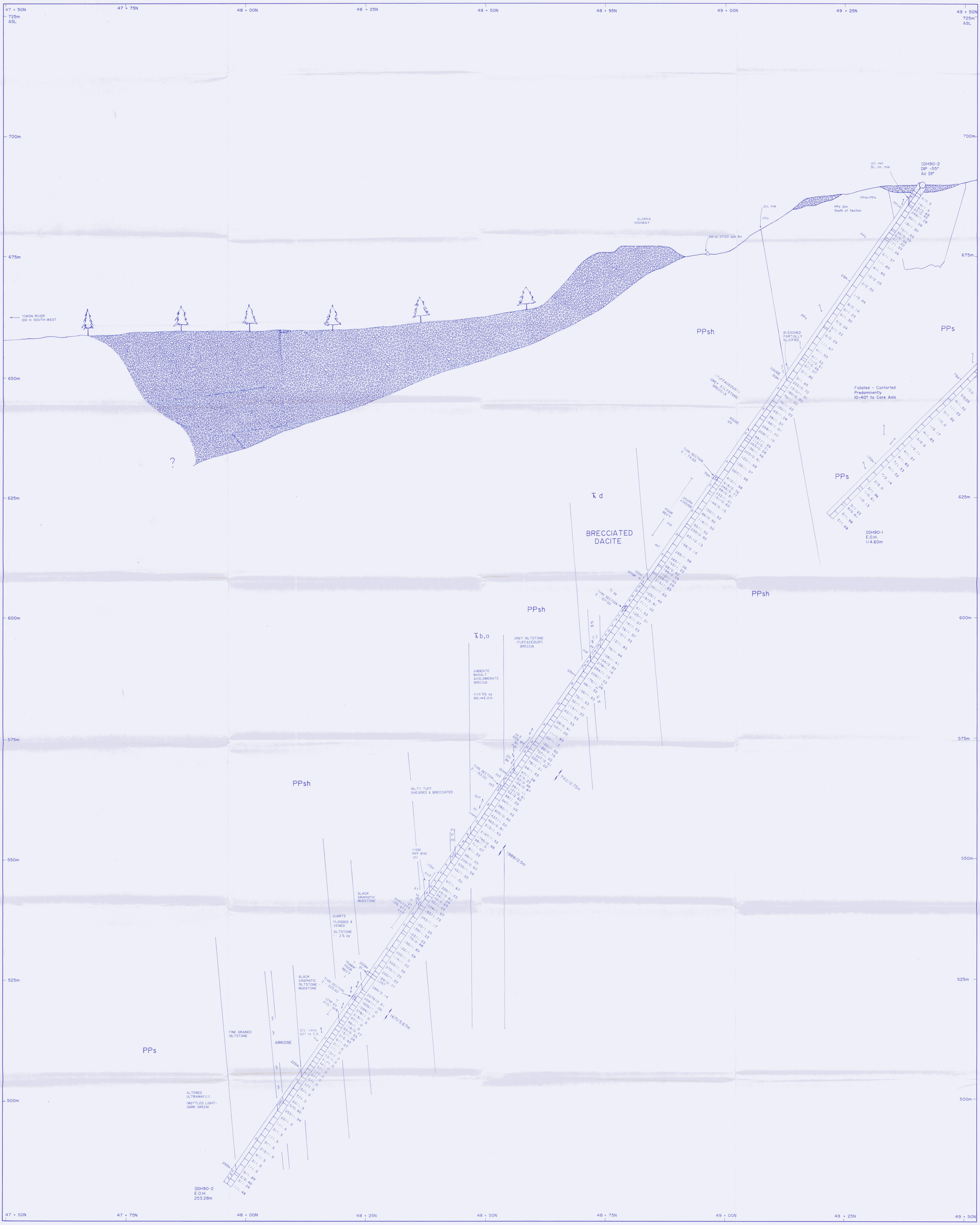
ROSSBANK PROPERTY

CREEK ZONE
CROSS SECTION 50 + 25 E

49 + 00N - 50 + 25N
DDH90-1, 90-2
(LOOKING NORTH)

Aurum Geological Consultants Inc.		November, 1990	
NTS 105D/9	DRWN. BY: R.H. & D.C.	SCALE 1 : 250	FIGURE : 8

MAP #105 D/9-2/10 Doc# 092888 (265)



LEGEND

LITHOLOGIES

TRIASSIC OR YOUNGER (?)

- Tb,a — Basalt, andesite, tuffs, flows, agglomerates
- Td — Dacite

CARBONIFEROUS AND PERMIAN CACHE CREEK GROUP

- PPs — Serpentinite
- PPsh — Shale, siltstone, claystone, arkose, (± tuff), locally graphitic

SYMBOLS

- ground surface
- geological boundary ; defined, approximate, assumed
- diamond drill hole
- lithology & structure
- assay information Au in ppb
- weighted average Au in ppb / metre
- cased interval ; no core recovery
- gc — ground core
- contacts (no orientation), contact (with orientation)
- foliation
- bedding
- fracture
- fault
- shear zone
- stratigraphic tops
- brecciated rock
- mineralized interval : as - arsenopyrite, py - pyrite, sp - sphalerite, mar - mariposite; gn - galena, po - pyrrhotite, cp - chalcopyrite, lm - limonite, qtz - quartz; gt - graphite ; visual estimate of mineral content in volume percent if greater than 1 percent; N/S - not sampled
- assayed trench chip sample projected to section ;
- trench location
- downhole measurement marker (in metres)
- rock sample location
- T — thin section location

125 10 5 0 125
METRES

INCO EXPLORATION AND TECHNICAL SERVICES INC.

ROSSBANK PROPERTY

CREEK ZONE
CROSS SECTION 50 + 25E

47 + 50N - 50 + 25E
DDH90-1, 90-2
(LOOKING NORTH)

092888

Aurum Geological Consultants Inc. | November, 1990

NTS 105D/9 | DRWN. BY: R.H. & D.C. | SCALE 1 : 250 | FIGURE : 9

MAP# 105D/14-D/10 Doc# 092888 (266)

48 + 50N | 48 + 75N | 49 + 00N | 49 + 25N | 49 + 50N | 49 + 75N | 50 + 00N | 50 + 25N | 50 + 50N

725m ASL

DDH90-3
Az 30°
DIP -44°

FAULT ZONE
14,523ppb Au
ROAD
qtz gn

STRIKE 135°
FAULT ZONE
2910ppb Au
py

STRIKE 105°
FAULT ZONE
py
1790ppb Au

FAULT ZONE

Tb

Ta

700m

675m

650m

625m

600m

575m

550m

525m

500m

896/2.54m

925/1.31m

5046/0.71m

SEE DETAIL "A"

226/1.01m

155.00m

16.50m

Scale : 1 : 50

DETAIL "A"

0 0.5 1.0 metres

DDH90-3
E.O.H.
214.58m

LEGEND

LITHOLOGIES

TRIASSIC OR YOUNGER (?)

- Tb — Basalt, massive
- Ta — Interbedded tuffs and flows

SYMBOLS

- ground surface
- geological boundary ; defined, approximate, assumed
- diamond drill hole
  - lithology & structure
  - assay information Au in ppb
  - weighted average Au in ppb / metre
- cased interval ; no core recovery
- gc — ground core
- contacts (no orientation), contact (with orientation)
- foliation
- bedding
- fracture
- fault
- shear zone
- stratigraphic tops
- brecciated rock
- mineralized interval : as - arsenopyrite, py - pyrite, sp - sphalerite, gn - galena, po - pyrrhotite, cp - chalcopyrite, lm - limonite, cc - calcite, gt - graphite ; visual estimate of mineral content in volume percent if greater than 1 percent N/S - not sampled
- assayed trench chip sample projected to section ;
- trench location
- downhole measurement marker (in metres)
- △ rock sample location
- Ⓣ thin section location
- ● soil sample location

12.5 5 0 12.5
METRES

INCO EXPLORATION AND TECHNICAL SERVICES INC.

ROSSBANK PROPERTY

M'CLINTOCK ZONE
CROSS SECTION 86 + 50E

48 + 50N - 50 + 50N
DDH90-3
(LOOKING NORTH)

092888

Aurum Geological Consultants Inc. | November, 1990
NTS 105D/9 | DRWN BY: R.H. & D.C. | SCALE 1 : 250 | FIGURE : 10

MAP# 105D/9-D/10 Doc# 092888 (267)