GIANT COPPER PROPERTY

1995 PROGRAM OF DIAMOND DRILLING

NEW WESTMINSTER MINING DIVISION

49°10" N., 121°01' W. NTS ~~93~~ 92H/3E

VOLUME 1 of 2

For

Bethlehem Resources Corporation
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November, 1995

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SUMMARY AND RECOMMENDATIONS

Several mineralized zones have been identified on the Giant Copper property since the original discovery in 1930 by The Consolidated Mining and Smelting Company. To date, the greatest economic potential on the property lies within the AM Breccia.

An underground mineral resource of 3.35 million tonnes grading 1.17% copper, 0.51 g/t gold and 20.6 g/t silver has been outlined in the North Nose Zone of the AM Breccia by substantial drilling and underground development. An open pittable resource at a stripping ratio of 4.51 to 1, within the AM Breccia, of 20.7 million tonnes grading 0.75% copper, 0.41 g/t gold and 12.0 g/t silver includes approximately 60% of the underground reserve. Both the near surface and underground mineral resources are open to expansion with additional drilling. Proposed development of the AM Breccia could include surface and/or underground mining.

Significant exploration potential exists on the property outside of the AM Breccia. Ongoing investigation of other mineralized zones is recommended. A co-incident IP, VLF and magnetic anomaly east of the AM Breccia is considered to be a high priority target for drilling.

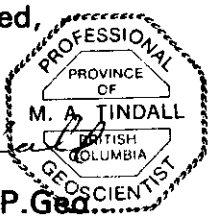
The 1995 exploration program at the Giant Copper property consisted of diamond drilling in the AM area. Between August 24th and October 20th, eight diamond drill holes totalling 4,559 feet were completed. In addition 41 continuous channel samples were collected from outcrops of mineralized breccia. The purpose of the exploration was to expand the near surface mineral resource of the AM breccias. In particular, to test for a zone of mineralization in the southwest portion of the AM area which was indicated by previous drilling.

The 1995 diamond drilling was successful at tracing a northeasterly trending zone of copper-gold-silver mineralized breccia over a strike length of 450 feet. Two drill holes appear to limit the southern extent of this zone of brecciation. In addition, drill hole GCS95-3 encountered wide zones of moderate grade copper-gold-silver mineralization in unbrecciated tuffs and andesites east of the North Nose breccia. Potential for additional mineral resources in the northwest portion of the AM Zone, is indicated between GCS95-3 and the number 5 portal. Channel sample results were helpful in delineating the surface limits of the mineralized breccias. Total expenditures for the 1995 program of exploration at Giant Copper were approximately $286,000.

The completion of definition drilling of the near surface mineralization of the AM Zone is considered to be the first priority of future exploration at Giant Copper. Additional drilling is required to trace the down plunge extent of the southwest breccia zone, to test the mineral potential between the number 5 portal and drill hole GCS95-3 and to complete delineation of the southeast breccia zone. Drilling should be done with sufficient density to allow a final resource calculation for the AM area at the end of the 1996 field program.

A complete exploration proposal and budget estimate for the recommended 1996 exploration program will be tendered at a future date.

Respectfully submitted,



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1.0 INTRODUCTION

The Giant Copper property is located in southwestern British Columbia, approximately 200 kilometres east of Vancouver. The property has been the focus of exploration since the 1930s and has been the sight of a substantial amount of drilling and underground development.

Several mineralized zones are located on the property and have been explored by a variety of operators. Mineralization on the property consists of low grade copper, gold, silver breccia filling and high grade silver, lead, zinc, copper veins.

To date, the greatest potential for a mineable reserve lies within the AM Breccia where a large underground and open pittable mineral resource has been identified.

Bethlehem Resources Corporation (now a wholly owned subsidiary of Imperial Metals Corporation) acquired the Giant Copper property in 1988. They completed a variety of exploration programs and commissioned Mintec Inc. to calculate a resource estimate for the AM Breccia. The results of the resource calculation are as follows:

- An underground resource of 3.35 million tonnes grading 1.17% copper, 0.51 g/t gold and 20.6 g/t silver.

- An open pittable resource of 20.7 million tonnes grading 0.75% copper, 0.41 g/t gold and 12.0 g/t silver.

A waste to ore ratio of 4.51:1 was calculated for the open pit resource. This open pittable resource, which bottoms at about the 5,000 foot elevation, includes approximately 60% of the underground mineralization.

KHA Resource Modelling Inc. was commissioned to apply further economic and engineering criteria to the open pit resource and design preliminary dipper pits. The KHA estimate, using a $1.10 US copper price and a 0.50% copper equivalent cutoff was:

- An open pittable resource of 5,377,790 tonnes grading 0.626% copper, 0.31 g/t gold and 11.0 g/t silver.

The stripping ratio for this dipper pit estimate was 2.42:1. This smaller pit bottoms at about the 5,500 foot elevation and includes approximately 30% of the underground mineral resource of the AM Breccia.

Exploration potential exists on the property in several other mineralized zones and within a large geophysical anomaly which trends between the AM Breccia and the No. 1 Anomaly area. Additional drilling and underground development is required within the AM Breccia in order to complete resource definition. The purpose of this report is to describe the results of the 1995 program of diamond drilling at the Giant Copper property.

2.0 PROPERTY DESCRIPTION

The Giant Copper property is located in the New Westminster mining division and is comprised of 163 mineral claims which total 195 units and eight crown granted claims (Fig. 1). The claims cover an area of approximately 2,880 hectares (7,120 acres). A list of claims is included as Appendix 1.

The property is 100% owned by Bethlehem Resources Corporation. Bethlehem Resources Corporation is a wholly owned subsidiary of Imperial Metals Corporation.

3.0 LOCATION AND ACCESS

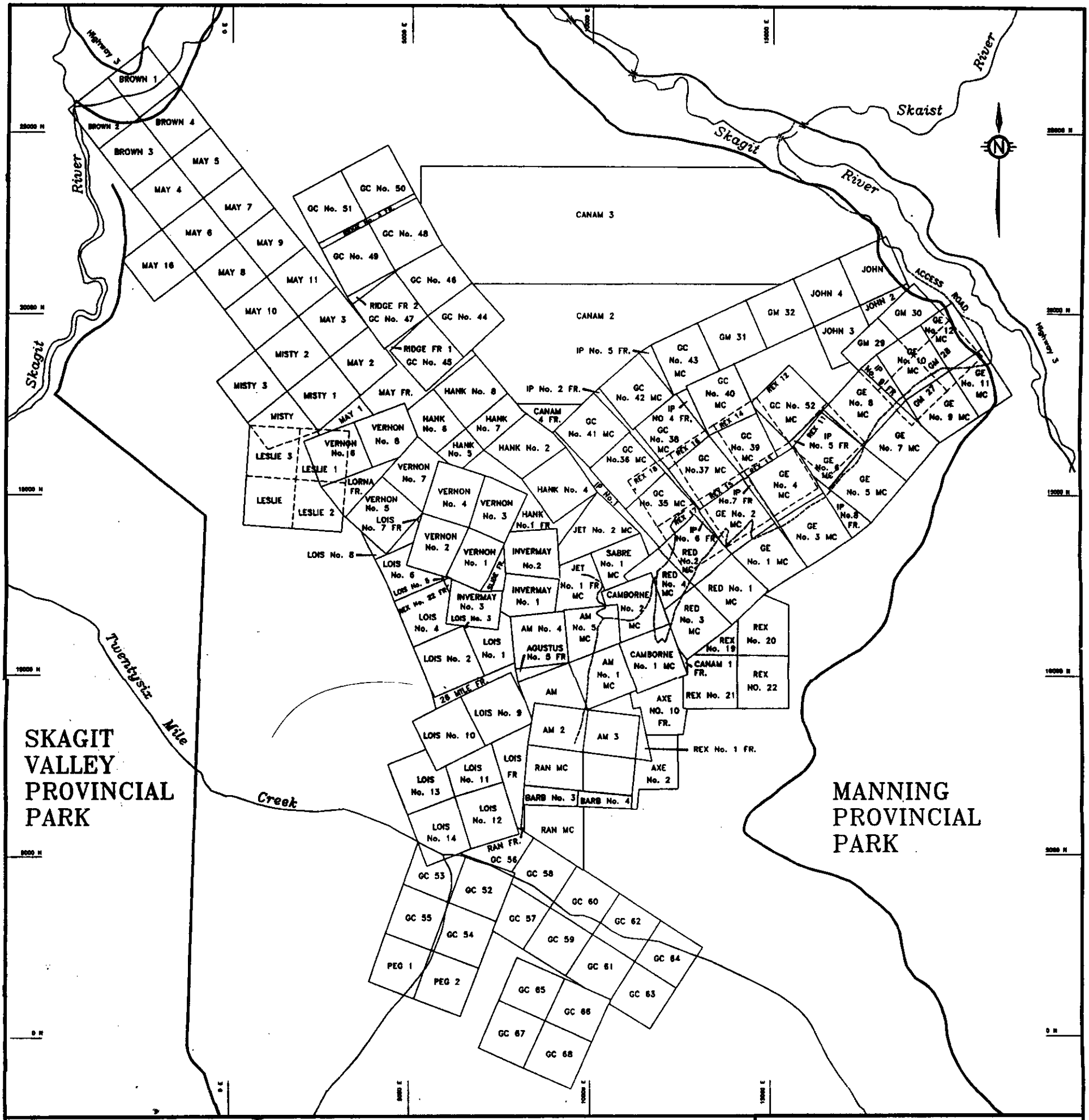
The Giant Copper property is located approximately 200 kilometres east of Vancouver and 43 kilometres southeast of Hope in southwestern British Columbia (Fig. 2). It is bounded on the north and east by Manning Provincial Park. The boundary of Skagit Valley Provincial Park lies approximately 1.5 kilometres west of the claims. The property is centred at 49°10" north latitude and 121°01" west longitude on NTS map sheet 92H/3E.

The claims lie between 1,310 and 1,980 metres above sea level on the steep west and southeast facing slopes of Silverdaisy Mountain.

Access is from Provincial Highway No. 3 at Cayuse Flats. A good, two wheel drive, gravel road extends 5.5 kilometres from Cayuse Flats to the Number 15 portal on the property. A four wheel drive road continues a further four kilometres beyond the No. 15 portal to the site of the AM Breccia. A locked gate bars the road just after it crosses the Skagit River at Cayuse Flats.

4.0 HISTORY

The Giant Copper property originally consisted of two properties; the AM, discovered in 1930 by the Consolidated Mining and Smelting Company and the Invermay, discovered in 1933 by Invermay Annex Mining Company.



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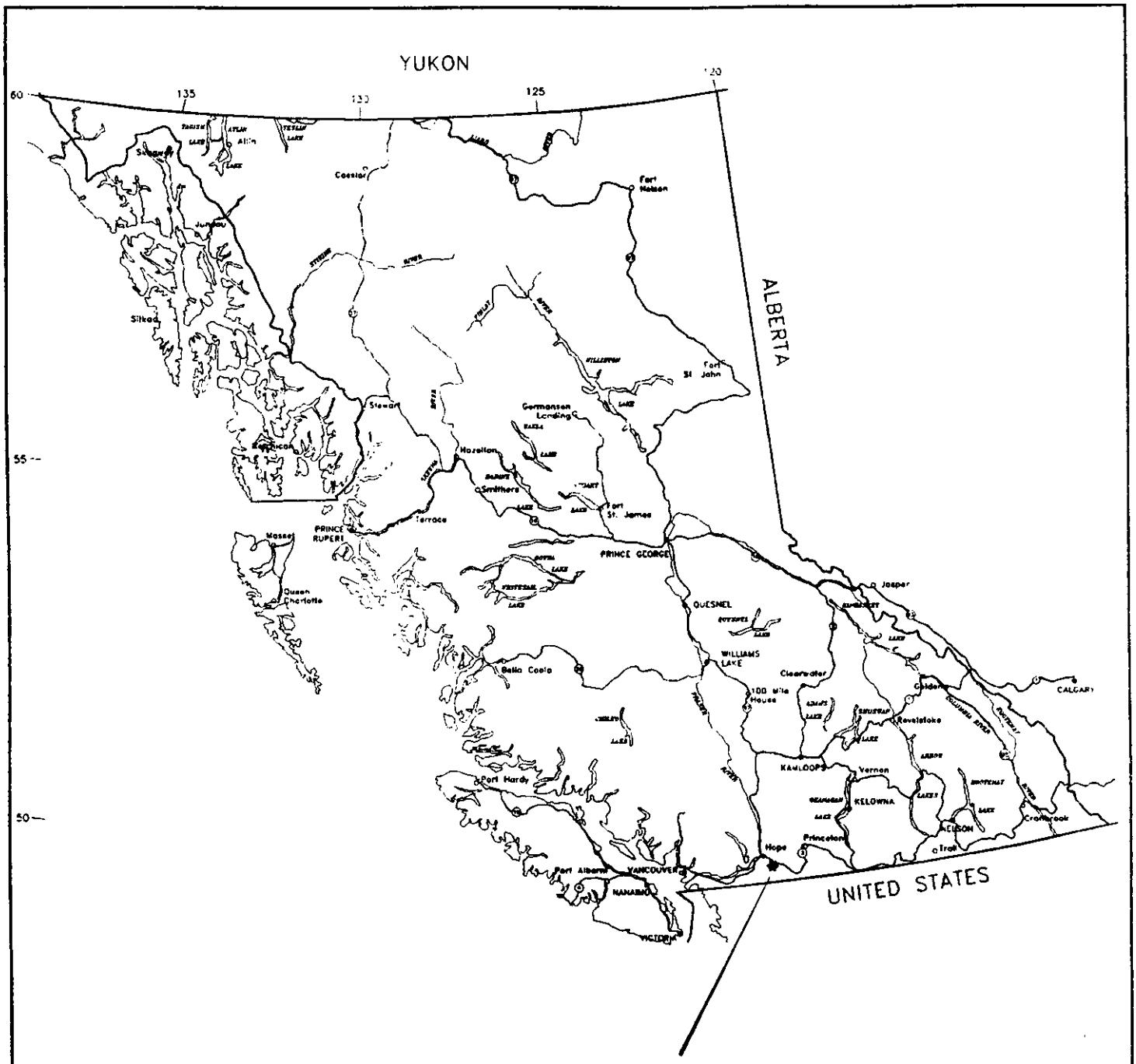
CLAIM MAP

MAP NO:	DATE:	
FIGURE 1	NOVEMBER, 1995	TINDALL GEOSERVICES INC.



GIANT COPPER PROPERTY

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GIANT COPPER PROJECT
PROPERTY LOCATION MAP

DRAWING NO.	DATE	
Fig. 2	May 1995	TINDALL GEOSERVICES INC.

The two properties were consolidated by Canam Mining Corporation in 1956. Between 1955 and 1963 several companies optioned the property and carried out a variety of exploration and development programs. After a two year option period, Giant Mascot Mines Ltd. purchased all of Canam's assets in 1966 for consideration of slightly less than 1.1 million Giant Mascot shares.

Exploration and development were carried out by Giant Mascot between 1966 and 1970. Nine years of inactivity followed. Limited surface drilling and rehabilitation of the level 10 workings were undertaken by Giant Mascot in 1979 and 1980. To the end of 1980, 6,017 metres of underground drifts and raises and 14,078 metres of drilling had been completed on the property.

The property lay dormant until 1988 when Bethlehem Resources Corporation acquired it from Campbell Resources Inc. (formerly Giant Mascot Mines). Between 1988 and 1990 Bethlehem completed the following:

- Soil Geochemistry
- VLF, magnetometer and IP surveys
- Relogging and resampling of 154 drill holes totalling 6,908 metres.
- Rehabilitation of the 10 level workings.
- Five diamond drill holes from underground totalling 358 metres.
- 1,895 metres of rotary and diamond drilling in 29 holes in both the No. 1 Anomaly and AM Breccia areas.
- 189 metres of trenching in the No.1 Anomaly area.
- Prefeasibility studies by several independent engineering companies.

A chronological history of the property can be found in the Summary Report by W.M. Zerb (1990).

5.0 REGIONAL GEOLOGY

In the vicinity of the Giant Copper property, the northwest trending Hozameen Thrust Fault separates older, Late Paleozoic to Early Mesozoic, Hozameen Group rocks on the west, from Early to Middle Jurassic, Ladner Group, meta-sedimentary rocks. The Pasayten strike slip fault separates Ladner Group rocks from Cretaceous Pasayten Group pelites and conglomerates to the east. Mafic to ultramafic sills intrude the sedimentary packages. Early to Middle Tertiary plutonic rocks intrude the older sedimentary and intrusive packages.

Regional deformation occurred during the late Cretaceous after emplacement of the mafic sills and prior to the intrusion of the Tertiary plutons. Deformation

resulted in a regional greenschist facies metamorphism and a synclinal fold pattern which strikes and plunges 35° to the north.

The Giant Copper property is situated near the western edge of the fault bounded block of Dewdney Creek rocks.

6.0 PROPERTY GEOLOGY

Ladner Group sequences of finely laminated argillite, waterlain tuffs and siltstone with minor greywacke and volcanic rocks underlie the property. Tight folds up to several hundred metres in amplitude are exposed on the ridge east of the AM Breccia. The sedimentary sequence is intruded by the Invermay stock.

The Invermay plutonic rocks are comprised of medium grained diorite to granodiorite. The border phase of the intrusion is finer grained and commonly porphyritic. Hornfelsing of the sedimentary sequence can extend for several hundred metres from the contact with the stock. The stock has a surface dimension of 3,300 metres long by 400 - 1,900 metres wide and is elongated subparallel to the regionally north - northwest trending stratigraphy.

6.1 Structure

Three major fault sets are recognized in the Giant Copper area.

1) Pre-ore, pre-intrusive strike slip and thrust faults which trend north 20° - 30° west. The Hozameen and Pasayten faults are examples. Cascade porphyry intrusions are commonly found in the vicinity of right lateral, strike slip faults like the Pasayten. These faults may have provided the conduits for the passage of magma and mineralizing fluids.

2) Northeast trending faults such as the Giant Fault which trends through the AM Breccia and No. 1 Anomaly on the property. These faults may be long lived conjugates to the N.W. trending faults (Zerb, 1990). It has been suggested that the Giant Fault may have been the structural control for the localization of the AM Breccia. Payne (1989) has hypothesized that the Giant Fault has dismembered the AM Breccia and displaced the eastern portion 1,000 metres to the northeast in the vicinity of the No. 1 Anomaly.

3) East - west to north 70° west faults which may be extensional and another factor in localizing zones of brecciation.

6.2 Mineralization

Three different types of mineralization are found on the Giant Copper property.

1) Tourmaline, sulphide, magnetite replacement bodies.

Moderate to high temperature replacement zones are scattered throughout the Invermay stock and along its borders in adjacent Ladner Group metasediments. Alteration consists of the addition of fine grained tourmaline and magnetite with lessor amounts of pyrite, pyrrhotite and chalcopyrite. Replacement zones often display a halo of moderate to strong chlorite, sericite, actinolite alteration. No economically interesting zones of this type have been found on the property.

2) Lead, zinc silver veins.

These deposits form erratic lenses along structures which trend northeasterly on the property. Mineralization consists of coarse sulphide grains in a gangue of quartz and calcite which is enclosed in strong fault gouge. Lenses vary from a few centimetres to six metres in width and up to 200 metres in length. High gold values are found in some of the veins. The Invermay vein is the most explored of the veins on the property.

3) Breccias with chalcopyrite, gold, silver mineralization.

There are six known breccia bodies on the Giant Copper property; The AM, Invermay, No. 1, Pass, Camp and New Breccia. The Invermay Breccia is weakly mineralized and exploration in the area has concentrated on the Invermay Vein. The Pass, Camp and New Breccias have received only cursory exploration and were considered to be lower priority exploration targets.

Breccia bodies are characterized by angular to sub-rounded fragments of sedimentary and mafic intrusive rocks in a matrix of calcite, quartz, tourmaline and feldspar. Sulphide minerals occur in patches and consist predominately of pyrite, pyrrhotite, chalcopyrite and arsenopyrite with lessor sphalerite and galena and minor amounts of molybdenite, scheelite and magnetite.

The No. 1 Breccia was discovered in 1989 and has been the sight of limited drilling and trenching. It has been suggested that the No. 1 Breccia is the fault displaced eastern portion of the AM Breccia (Payne, 1989). Drill results to date have indicated that copper-gold mineralization in the No. 1 Breccia is significantly lower grade than the AM Breccia and contains higher values in zinc

and lead. Geophysical surveys completed in 1988 indicate that the No. 1 Breccia lies on the northeastern end of an elongate chargeability anomaly which trends southwesterly and includes the AM Breccia. Petrographic analysis and geochemical signatures of mineralization from the No. 1 Breccia indicate a significant variation from the AM Breccia. This suggests that the No. 1 is a distinctly different breccia body from the AM.

The AM Breccia has been the focus of the greatest proportion of exploration on the Giant Copper property to date. It has been explored by a substantial amount of drilling and underground development.

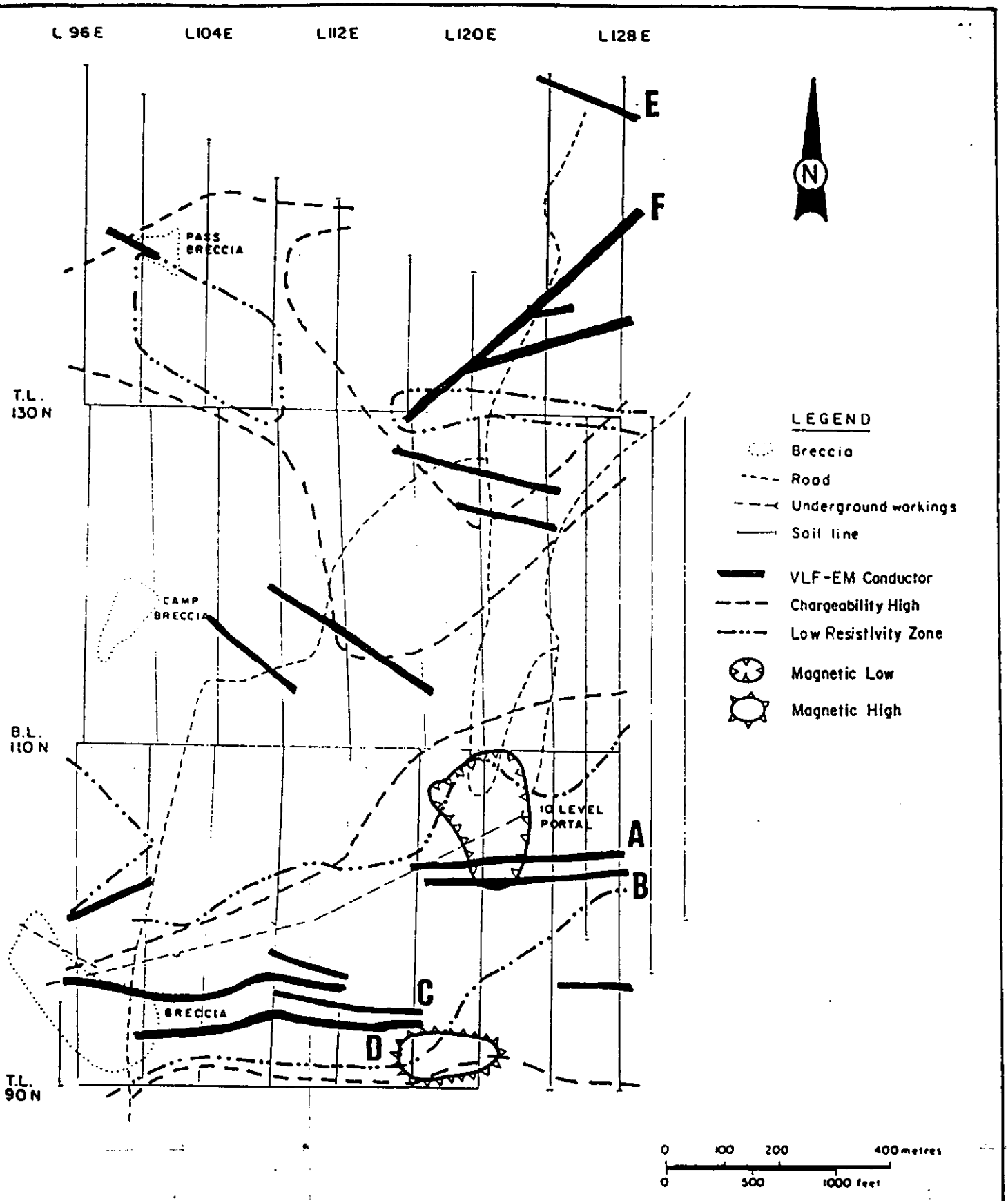
The AM Breccia is an elongate, northwesterly trending, series of subvertical breccia bodies which are bounded by steeply dipping faults. It can be subdivided into three sectors termed the northern and southern nose zones and the central zone. The bulk of the stated mineral resources on the property are concentrated in and adjacent to a vertically plunging, horseshoe shaped, body of higher grade mineralization termed the North Nose Zone which wraps around the northwest nose of the breccia. The east limb of the North Nose Zone is open to depth below 15 level and the west limb is open to depth below 10 level and to the south at all elevations.

Mineralization in the central zone appears to be substantially lower in grade and lacking in continuity. Recent drilling has indicated potential for significant amounts of moderate grade, copper-gold-silver, mineralization in the southeast portion of the breccia. This area was the focus of the 1995 diamond drilling.

Copper - silver values within the AM Breccia show a marked correlation while high gold values correlate with high copper values or elevated arsenic contents. Recent drilling has demonstrated that zones of abnormally high gold content and low copper content exist within the AM Breccia. Perhaps the best example of this is the final 24.4 metres of drill hole GCR89-27 which averaged 1.45 g/t gold but averaged only 0.19% copper. Additional investigation of the controls on gold mineralization is warranted.

6.3 Geophysical Anomalies

The most prominent geophysical anomaly on the property is a zone of high chargeability and low resistivity which trends northeastward from the AM Breccia to the area of the No. 1 Anomaly (Fig. 3). Within the broad IP anomaly are four strong, subparallel VLF conductors which appear to be two conductive bodies that are offset by faulting. Massive sulphide mineralization is one possible explanation for the strong conductors.



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GEOPHYSICAL ANOMALY MAP

KEN NICKS CONSULTING	DATE :	MAP INDEX Nº.	SCALE	DRAWING Nº.
K.H. & L.U.		92H - 3	1:9600 (1"= 800')	FIG. 3

Near the east end of the IP anomaly and south of the No. 1 Breccia lies a magnetic low feature which is co-incident with a gabbro/diorite stock. Immediately south of the magnetic low is an intense magnetic dipole which has been interpreted to be a body of magnetite or pyrrhotite mineralization. The magnetic dipole is spatially associated with the eastern end of the strong VLF conductors. Soil geochemical values over the trend of the IP anomaly are low. However, much of this area is covered by landslide debris which may mask geochemical expression of a buried mineralized zone.

Drilling and trenching at the No. 1 Breccia is located within a multi-element soil anomaly, along the north flank of the IP anomaly and approximately 300 metres north of the magnetic dipole, VLF conductors and strongest IP chargeabilities.

Although soil geochemical values are not anomalous, the area of coincident VLF, IP and magnetic dipole anomalies is extremely intriguing and remains a priority target for exploration.

7.0 1995 EXPLORATION PROGRAM

The purpose of the 1995 program of diamond drilling at Giant Copper was to test for additional, near surface, mineralization which may add to the open pittable mineral inventory of the AM Breccia. In particular, the southwest portion of the AM Zone was targeted where 1988 drill hole GCR88-5 indicated potential for the southerly extension of the North Nose mineralization.

Mobilization of field personnel and equipment began on August 24. Between August 24 and September 1 a core shack was erected near the site of the number 15 portal on the property. Diamond drilling commenced on September 2. Drilling was halted on October 18 due to mounting drill costs resulting from extreme weather conditions. Demobilization was completed on October 20.

Olympic Drilling and Consulting Ltd. of New Westminster, B.C. was chosen as the drill contractor. Diamond drilling was done utilizing a Longyear Super 38 drill machine. All drill holes were collared at an inclination of -45° and an azimuth of 270°. Acid tests were taken at periodic intervals down the completed drill holes to test for variations in hole inclination. Acid test readings were corrected for the influence of the meniscus before being recorded in the drill logs. All drill hole collar positions were surveyed at the end of the drill program.

Thin wall, NQ2, drill equipment was used, for the first five drill holes, to recover core with a diameter of two inches. Due to extremely bad ground conditions,

it was decided to collar the remaining drill holes with HQ (2 1/2") diameter core and to reduce to NQ2 where required.

Drill core is stored on the property, at the old camp site just above the boundary of Manning Park, approximately 1 kilometre along the mine road from Cayuse Flats.

A drill hole location plan and drill sections are included in the jacket of Volume 1 of this report. Drill logs are presented in Volume 2 of this report.

In addition to the diamond drilling, 41 channel samples were collected from many of the outcrops of mineralized breccia within the AM Zone. Prior to sampling, all soil and oxidized rock was scraped from the outcrop. Continuous channel samples were collected from a band of outcrop approximately four inches in width along the entire sample length. Each channel sample location was surveyed. Sample locations and assay results are shown on the Channel Sample Location Plan in the jacket of Volume 1 of this report.

Assays were performed at Chemex Labs Ltd. of North Vancouver, B.C. and Echo-Tech Laboratories Ltd. of Kamloops, B.C. At both labs, gold assays were determined by fire assay with an atomic absorption finish from a 1/2 assay ton sample. Additional analyses were made by Inductively Coupled Argon Plasma (ICP) methods. Echo-Tech determined 28 elements by ICP and Chemex 30 elements using ICP. All samples which returned ICP copper values greater than 2.0% were re-assayed for copper using wet assay methods.

Due to the presence of mafic intrusive dykes within the AM breccias, particularly mineralized gabbro, it was decided to analyze selected samples for platinum and palladium. Twenty samples from the 1995 program were selected for platinum/palladium analysis on the basis of high copper, high gold or high copper and gold contents. Platinum and palladium analyses were performed at Echo-Tech Labs by fire assay with an atomic absorption finish. All assay certificates are presented in Volume 2 of this report.

7.1 1995 DIAMOND DRILLING RESULTS

Eight diamond drill holes, totalling 4,559 feet were completed at Giant Copper during 1995. Table 1 lists the significant mineralized intervals encountered in the 1995 drill holes.

The 1995 program of diamond drilling was successful at tracing a northeasterly trending zone of brecciation and copper mineralization in the southwest portion of the AM Breccia which was only indicated by previous drill programs.

Brecciation in this zone consisted of large, rotated, angular fragments of fine grained, waterlain tuff in a matrix of either feldspar, quartz and sericite or andesitic lava. Alteration within the breccia was dependant on the nature of the matrix. Strong chloritization was present when the matrix of the breccia was andesitic. Clay and sericite were the predominant alteration products where the breccia matrix was composed of feldspar and quartz. Variable degrees of black tourmaline replacement of the fragments, and occasionally the matrix, was present everywhere in the breccia.

The breccia zones in the AM area are enclosed within a package of volcaniclastic sedimentary rocks and lesser volumes of andesitic flow rocks. The volcanic package of rocks is moderately to strongly hornfelsed. Strong hornfels can be observed in outcrop many hundreds of feet away from known zones of brecciation. Variable amounts of pyrite mineralization accompanies the hornfelsing as small blebs and fine stringers filling fractures.

A series of dykes cross cuts the zones of hornfelsing and brecciation. Diorite to aplite dykes appear to form a mineralogical continuum. These dykes almost always display strong argillic alteration and are occasionally weakly mineralized with pyrite and chalcopyrite. Pyroxenite dykes consist of large pyroxene phenocrysts crowded into a very fine grained, ultramafic groundmass. Pyroxenite dykes are generally only weakly chloritized and are clearly post mineral. Drill hole GCS95-8 encountered gabbroic dykes which were composed of clay altered phenocrysts of plagioclase in a fine grained, chloritized, mafic groundmass. The gabbro dykes contained weak to moderate, pyrite and chalcopyrite mineralization as fine blebs and veinlets.

Sulphide mineralization within the breccia zones consists of extremely variable amounts of pyrrhotite, pyrite and chalcopyrite with lessor amounts of arsenopyrite and molybdenite and minor sphalerite. The quantity of sulphide minerals is not related to the degree of brecciation. Where copper mineralization is weak to moderate, either pyrite or pyrrhotite are the dominant sulphides. In areas of strong copper mineralization, chalcopyrite is the dominant sulphide and occurs as large blebs and clots rimming fragments and partially filling the matrix of the breccia. Zones of strong chalcopyrite mineralization are almost always accompanied by strong sericite clay alteration of a feldspathic matrix which gives the core a distinctive tan colour or strong chloritization of an andesitic matrix.

Zones of intensely tourmaline altered breccia were intersected in several of the 1995 drill holes. These zones were always accompanied by arsenopyrite

TABLE 1

1995 DRILL HOLE INTERCEPTS

DRILL HOLE NO.	FROM (Feet)	To (Feet)	WIDTH (Feet)	COPPER %	GOLD g/t	SILVER g/t	MOLYBDENUM %
GCS95-1	46.7	64.3	17.6	-	-	-	0.810
	64.3	90.3	26.0	0.803	-	25.7	-
	108.3	158.7	50.4	0.591	-	18.0	-
	292.0	314.0	22.0	0.333	-	9.9	-
GCS95-2	44.3	131.0	86.7	0.917	0.076	15.2	0.019
	351.0	395.0	44.0	0.399	0.451	9.6	0.039
GCS95-3	156.0	276.0	120.0	0.383	0.364	11.3	0.043
	308.4	456.0	147.6	0.360	-	8.6	-
	562.0	616.0	54.0	0.161	-	5.3	-
	616.0	644.8	28.8	0.998	0.584	34.6	-
GCS95-4*				-	-	-	-
GCS95-5	381.7	383.8	2.1	-	8.12	7.0	-
	471.8	557.8	86.0	0.417	0.313	16.0	0.012
	481.0	496.0	15.0	1.163	0.230	42.0	0.020
GCS95-6	35.0	84.0	49.0	0.649	-	17.4	-
	342.4	398.9	56.5	0.180	-	6.4	-
	398.9	438.7	39.8	0.900	-	33.9	-
	462.2	482.0	19.8	0.226	0.338	11.4	-
	512.3	548.0	35.7	0.128	-	6.4	-
GCS95-7*					-	-	-
GCS95-8	17.0	31.9	14.9	0.267	-	8.7	-
	45.4	112.9	67.5	0.175	-	4.7	-
	286.5	441.0	154.5	0.375	-	11.7	-
	302.0	339.0	37.0	0.915	-	29.8	-
	373.0	388.0	15.0	0.520	0.080	14.3	-
	474.0	515.0	41.0	0.189	-	4.5	-

* No Significant Mineralized Intercepts - Very Low Values

mineralization with only minor amounts of other sulphide minerals. Small vugs containing fine, euhedral, crystals of quartz were often present in the tourmaline-arsenopyrite filled breccia. The zones of intense tourmaline alteration were commonly found immediately adjacent to zones of strong chalcopyrite mineralization and appeared to post date the chalcopyrite mineralizing event.

All of the drill holes intersected zones of strong fracturing and faulting. The faults varied from weak shears to zones of intense shearing accompanied by strong to intense development of clay gouge. Displacement along most of the faults is felt to be minor.

Enhanced gold values in the core correlate with either high copper values or zones of strong arsenopyrite mineralization. Not all areas of strong copper mineralization are accompanied by high gold values. Silver values show a marked correlation with copper. Molybdenum values are extremely variable and appear to be independent from copper. In drill hole GCS95-1 a zone of strong molybdenum mineralization was intersected in breccia which contained only weakly elevated amounts of copper, silver and gold. The 1995 platinum and palladium assays failed to indicate enrichment of either element in the AM area mineralization.

Drill hole GCS95-3 is thought to be of particular significance. Much of the hole encountered strong faulting and fracturing which appears to define the southern limit of the high grade, North Nose mineralization. In addition, GCS95-3 intersected significant widths of mineralized andesite and tuff which were not brecciated. This may indicate a northerly trending zone of lower grade, copper-gold-silver mineralization located to the east of the North Nose Breccia. This potential zone has implications for additional tonnages of near surface mineralization in the area between drill hole GCS95-3 and the Number 5 Portal.

Drill holes GCS95-4 and GCS95-7 failed to encounter zones of significant copper mineralization and appear to define the southwestern limit of the mineralized breccias.

In preparation for a revised resource calculation it was decided to calculate copper equivalent intercept intervals for the six, mineralized, 1995 drill holes. Copper equivalent values were calculated for each mineralized interval along the drill holes. The formula below was used to calculate the copper equivalent values.

$$CuEq = Cu + 2.7(Au\ opt) + 0.385(Ag\ opt)$$

After calculation of copper equivalent values, a 0.1% copper equivalent cutoff was applied to the data from each hole and copper equivalent grade intervals

were calculated for each 1995 drill hole. Table 2 lists the calculated copper equivalent intervals.

TABLE 2

COPPER EQUIVALENT DRILL HOLE INTERCEPTS

DRILL HOLE No.	FROM (Feet)	TO (Feet)	WIDTH (Feet)	% COPPER EQUIVALENT
95-1	46.7	330.6	283.9	0.430
95-2	44.3	131.0	86.7	1.248
95-2	266.0	476.0	210.0	0.310
95-3	136.0	650.0	514.0	0.501
95-5	381.0	557.0	176.0	0.517
95-6	35.0	104.0	69.0	0.683
95-6	300.0	548.0	248.0	0.450
95-8	253.0	576.0	323.0	0.356

8.0 CONCLUSIONS AND RECOMMENDATIONS

The AM Breccia on the Giant Copper property is host to a substantial tonnage of copper-gold-silver mineralization. The first priority of any exploration program at Giant Copper should be to advance the AM Breccia Zone to the final feasibility stage. Production by open pit and/or underground mining methods is envisaged.

The 1995 program of diamond drilling at the Giant Copper property was successful at tracing a northeasterly trending zone of mineralized breccia in the southwest portion of the AM Zone. Additional drilling is required to trace this breccia zone to depth and to provide sufficient data density to add to the mineral inventory.

Drill hole GCS95-3 appears to indicate potential for a mineralized zone in unbrecciated andesites to the east of the North Nose Zone. Additional drilling is recommended between hole GCS95-3 and the Number 5 Portal to test for the presence of mineralization in this area.

Additional drilling is required in the southeast portion of the AM Breccia in order to complete delineation of a near surface zone, of moderate grade, copper-gold-silver mineralization which is indicated in surface drill holes and underground workings. Further surface drilling in this area would be designed to trace the zone to the north and to depth and provide additional information on the limits and orientation of the mineralization. Expansion of the mineral inventory in this area would largely fall within the underground resource category.

Significant exploration potential exists on the Giant Copper property outside of the AM Breccia. Ongoing investigations of the other breccia zones is recommended. The co-incident IP, VLF and magnetic anomalies southwest of the No. 1 Anomaly are considered to be a high priority target for drilling.

A multiple stage program of continuing exploration is recommended at the Giant Copper property. The first priority of this program would be to complete exploration of the near surface, open pit resource in the AM Breccia. Second priority would be to complete underground exploration of the high grade North Nose Zone of the AM Breccia to depth. Investigation of the other mineralized zones on the property would be undertaken, in stages, concurrently with the first and second priority exploration programs.

Recommendations for the 1996 field season are to conclude the delineation of the near surface mineral resource in the AM area. Sufficient drill hole density should be completed in order that a final, "open pittable" resource calculation can be undertaken at the end of the 1996 drill program.

A more thorough exploration proposal and a budget estimate for the 1996 field program will be tendered at a later date.

Respectfully submitted,

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
M. A. TINDALL
GEOSCIENTIST

Mark Tindall B.Sc., P.Geo.

STATEMENT OF EXPENDITURES

SALARIES			
M. Tindall	Consultant	75 days @ $375	$ 28,125.00
G. Roste	Project Geologist	5 days @ $375	1,857.00
R. Ney	Technician	56.5 days @ $200	11,300.00
M. Pariseau	Core Splitter	43.5 days @ $185	8,047.50
E. LeNeve	Surveyor	32 hours @ $33.63	1,076.00
DIAMOND DRILLING	Olympic Drilling	4,559 ft. @ $38.39	175,028.84
ASSAYING	Au & ICP	801 samples @ $19.75	15,815.89
	Pt & Pd	20 samples @ $30	600.00
TRANSPORTATION			
Truck Rental		1.5 trucks Aug. 24 - Oct. 22	5,181.28
Fuel			1,170.18
Bus			31.85
Parking			14.02
Shipping	Kemax Freight		1,211.75
EQUIPMENT RENTAL			1,197.25
ACCOMMODATION		130 man days @ $19.00	2,470.27
MEALS		136 man days @ $34.89	4,745.56
BUILDING MATERIAL/HARDWARE			2,357.51
SUPPLIES			3,156.77
PROJECT ACCOUNTING			390.00
LEGAL			697.20
TELEPHONE			525.43
DRAFTING/REPRODUCTION			2,323.58
COMPUTER MODELLING			836.00
		SUBTOTAL	**$ 268,158.88**
		GST	**$ 18,533.42**
		TOTAL	**$ 286,669.30**

LIST OF PERSONNEL

IMPERIAL METALS CORPORATION

Eric LeNeve	Surveyor	Oct. 10 to Oct. 13	32 hours

TINDALL GEOSERVICES INC.

Mark Tindall	Consultant	Aug. 1 to Nov. 30	75 man days
Gary Roste	Project Geologist	Oct. 16 to Oct. 20	5 man days
Richard Ney	Technician	Aug. 24 to Oct. 24	56.5 man days
Marc Pariseau	Core Splitter	Aug. 24 to Oct. 13	43.5 man days

OLYMPIC DRILLING AND CONSULTING LTD.

Sylvain Leduc	Driller/Foreman	Aug. 28 to Oct. 2	26 man days
Warren Ash	Helper	Aug. 30 to Oct. 4	36 man days
Joseph Lavallee	Driller	Aug. 31 to Oct. 20	51 man days
Ken Zuc	Helper	Sept. 1 to Sept. 28	28 man days
Phil Small	Helper	Sept. 29 to Oct. 20	22 man days
Dan Hill	Driller/Foreman	Oct. 2 to Oct. 20	19 man days
Jerry Ram	Helper	Oct. 7 to Oct. 9	3 man days
T. Smith	Helper	Oct. 11 to Oct. 20	10 man days

STATEMENT OF QUALIFICATIONS

I, Mark A. Tindall, of 858 East 15th Avenue, Vancouver, British Columbia, V5T 2R9 state that:

1) I am a 1981 graduate of Queen's University, Kingston, Ontario with an Honours B.Sc. degree in Geology.

2) I am a Fellow of the Geological Association of Canada.

3) I am a Professional Geoscientist, registered with the Association of Professional Engineers and Geoscientists in the Province of British Columbia.

4) I have been employed in mineral exploration prior to graduation and have practised my profession, continuously, since 1981.

5) I am a consulting geologist employed by Tindall Geoservices Inc.

6) I am the author of this report which is based on private and public reports and on-site investigations.

7) I have no interest, direct or indirect, in the property discussed in this report or in the securities of Imperial Metals Corporation or Bethlehem Resources Corporation.

8) This report may be used for the development of the property or raising of funds, provided that no portion of it is used out of context or in such manner as to convey meanings different from that set out in the whole.

Signed and sealed at Vancouver, British Columbia this 30th day of November, 1995.

PROFESSIONAL ENGINEERS PROVINCE OF BRITISH COLUMBIA M. A. TINDALL

Mark Tindall, F.G.A.C., P.Geo.

REFERENCES

Day, E.L.; (Jan. 10,1966); A Report on the Recovery of Cu by Froth Flotation from Canam Ore Submitted by Giant Mascot Mines Ltd.; In-house report by Canadian Industries Ltd.

Frye, A.; (Jan. 18, 1995); Giant Copper Dipper Pits and Drillhole Data; In-house report for Bethlehem Resources Corp. by KHA Resource Modelling Inc.

Hicks, K.; (June 16, 1989); 1989 Phase 1 Rotary drilling Report, Giant Copper Property; In-house report for Bethlehem Resources Corp.

Hicks K.; (Aug. 31, 1989); 1989 Phase 1 and 2 Surface Rotary Drilling Assessment Report; In house report for Bethlehem Resources Corp.

Hicks, K.; (Jan. 31, 1989); 1988 Drilling, Geochemical and Geophysical Assessment Report, Giant Copper Property; In-house report for Bethle hem Resources Corp.

Hicks, K.; (Mar. 13, 1990); 1990 Phase 1 Surface Diamond Drilling; In-house report for Bethlehem Resources Corp.

Payne, J.G.; (July, 1989); Geological Report, Giant Copper Breccia, Skagit River Area, Hope District, B.C.; In-house report for Bethlehem Resources Corp.

Seyward, M.B.; (Nov. 10, 1988); Geophysical report on a Magnetometer, VLF-EM and Induced Polarization Survey on the Giant Copper Project; In-house report for Bethlehem Resources Corp.;

Tindall, M.; (Aug., 1995); Proposed 1995 Program of Exploration at the Giant Copper Property; In-house report for Bethlehem Resources Corp.; Tindall Geoservices Inc., Vancouver, B.C.

Wolff, S.F.; (June 28, 1989); Giant Copper Project Evaluation; In-house report for Bethlehem Resources; Mintec Inc., Tucson Arizona.

Wright Engineers (July, 1989); Giant Copper Mine Feasibility Update; In-house report for Bethlehem Resources Corporation.

Zerb, W.M.; (1990); Summary Report on the Giant Copper Property; In-house report for Bethlehem Resources Corp.

GIANT COPPER

DATE REVISED: JAN 21, 1994					
CLAIMS: 171*		UNITS: 195		AREA(ha): 4162	
CLAIM	TENURE	UNITS	AREA(ha)	RECORD DATE	EXPIRY DATE
A.M.	L-1586	CG	19.45	FEB 02/40**	N/A
A.M. 1	L-1579	CG	19.46	NOV 02/77**	N/A
A.M. 2	L-1587	CG	11.23	JAN 02/40**	N/A
A.M. 3	L-1577	CG	16.34	JAN 02/40**	N/A
A.M. 4	L-1584	CG	20.51	JAN 02/40**	N/A
A.M. 5	L-1581	CG	17.83	NOV 02/77**	N/A
AUGUSTUS5	L-1585	CG	2.63	JAN 02/40**	N/A
REX 1 FR	L-1595	CG	6.75	NOV 02/77**	N/A
AXE 2	236816	1	20.9	OCT 13/71	OCT 13/2000
AXE 10 FR	236817	1	20.9	OCT 13/71	OCT 13/2000
BARB 3	236732	1	20.9	DEC 17/69	DEC 17/2000
BARB 4	236731	1	20.9	DEC 17/69	DEC 17/2000
BROWN 1	236528	1	20.9	SEP 01/54	SEP 01/99
BROWN 2	236529	1	20.9	SEP 01/54	SEP 01/99
BROWN 3	236530	1	20.9	SEP 01/54	SEP 01/99
BROWN 4	236531	1	20.9	SEP 01/54	SEP 01/99
CAMBORNE1	236526	1	20.9	FEB 24/54	FEB 24/99
CAMBORNE2	236527	1	20.9	FEB 24/54	FEB 24/2000
CANAM 1FR	235769	1	25	SEP 29/88²	SEP 29/2000
CANAM 2	235773	16	400	OCT 01/88²	OCT 01/2000
CANAM 3	235772	16	400	OCT 01/88²	OCT 01/2000
CANAM 4FR	235771	1	25	OCT 01/88²	OCT 01/2000
GC 35	236695	1	20.9	AUG 01/69	AUG 01/2000
GC 36	236743	1	20.9	DEC 08/69	DEC 08/2000
GC 37	236696	1	20.9	MAY 27/69	MAY 27/2000
GC 38	236697	1	20.9	AUG 01/69	AUG 01/2000
GC 39	236698	1	20.9	AUG 01/69	AUG 01/2000
GC 40	236699	1	20.9	MAY 27/69	MAY 27/2000
GC 41	236744	1	20.9	DEC 08/69	DEC 08/2000
GC 42	236700	1	20.9	MAY 27/69	MAY 27/2000
GC 43	236701	1	20.9	MAY 27/69	MAY 27/2000
GC 44	236745	1	20.9	DEC 08/69	DEC 08/99
GC 45	236746	1	20.9	DEC 08/69	DEC 08/99
GC 46	236702	1	20.9	MAY 27/69	MAY 27/99
GC 47	236747	1	20.9	DEC 08/69	DEC 08/99
GC 48	236703	1	20.9	MAY 27/69	MAY 27/99
GC 49	236704	1	20.9	MAY 27/69	MAY 27/99
GC 50	236705	1	20.9	MAY 27/69	MAY 27/99
GC 51	236706	1	20.9	MAY 27/69	MAY 27/99
GC 52	236711	1	20.9	OCT 08/69	OCT 08/99

*INCLUDES 8 CROWN GRANTS **DATE OF CERTIFICATE OF TITLE
²LOCATION DATE

GIANT COPPER

DATE REVISED: JAN 21, 1994					
CLAIMS: 171*		UNITS: 195		AREA(ha): 4162	
CLAIM	TENURE	UNITS	AREA(ha)	RECORD DATE	EXPIRY DATE
GC 53	236712	1	20.9	OCT 08/69	OCT 08/99
GC 54	236713	1	20.9	OCT 08/69	OCT 08/99
GC 55	236714	1	20.9	OCT 08/69	OCT 08/99
GC 56	236715	1	20.9	OCT 08/69	OCT 08/99
GC 57	236716	1	20.9	OCT 08/69	OCT 08/2000
GC 58	236717	1	20.9	OCT 08/69	OCT 08/2000
GC 59	236718	1	20.9	OCT 08/69	OCT 08/2000
GC 60	236719	1	20.9	OCT 08/69	OCT 08/2000
GC 61	236720	1	20.9	OCT 08/69	OCT 08/2000
GC 62	236721	1	20.9	OCT 08/69	OCT 08/2000
GC 63	236722	1	20.9	OCT 08/69	OCT 08/2000
GC 64	236723	1	20.9	OCT 08/69	OCT 08/2000
GC 65	236724	1	20.9	OCT 08/69	OCT 08/2000
GC 66	236725	1	20.9	OCT 08/69	OCT 08/2000
GC 67	236726	1	20.9	OCT 08/69	OCT 08/2000
GC 68	236727	1	20.9	OCT 08/69	OCT 08/2000
GE 1	236590	1	20.9	OCT 09/64	OCT 09/2000
GE 2	236591	1	20.9	OCT 09/64	OCT 09/2000
GE 3	236592	1	20.9	OCT 09/64	OCT 09/2000
GE 3 FR	236655	1	20.9	MAY 10/68	MAY 10/2000
GE 4	236593	1	20.9	OCT 09/64	OCT 09/2000
GE 5	236594	1	20.9	OCT 09/64	OCT 09/2000
GE 6	236595	1	20.9	OCT 09/64	OCT 09/2000
GE 7	236596	1	20.9	OCT 09/64	OCT 09/2000
GE 8	236597	1	20.9	OCT 09/64	OCT 09/2000
GE 9	236651	1	20.9	MAY 10/68	MAY 10/2000
GE 10	236652	1	20.9	MAY 10/68	MAY 10/2000
GE 11	236653	1	20.9	MAY 10/68	MAY 10/2000
GE 12	236654	1	20.9	MAY 10/68	MAY 10/2000
GM 27	236645	1	20.9	MAY 10/68	MAY 10/2000
GM 28	236646	1	20.9	MAY 10/68	MAY 10/2000
GM 29	236647	1	20.9	MAY 10/68	MAY 10/2000
GM 30	236648	1	20.9	MAY 10/68	MAY 10/2000
GM 31	236649	1	20.9	MAY 10/68	MAY 10/2000
GM 32	236650	1	20.9	MAY 10/68	MAY 10/2000
HANK 1FR	236748	1	20.9	DEC 08/69	DEC 08/2000
HANK 2	236749	1	20.9	DEC 08/69	DEC 08/2000
HANK 4	236750	1	20.9	DEC 08/69	DEC 08/2000
HANK 5	236504	1	20.9	JUN 21/43	JUN 21/2000
HANK 6	236751	1	20.9	DEC 08/69	DEC 08/2000

*INCLUDES 8 CROWN GRANTS

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DATE REVISED: JAN 21, 1994

CLAIMS: 171* UNITS: 195 AREA(ha): 4162

CLAIM	TENURE	UNITS	AREA(ha)	RECORD DATE	EXPIRY DATE
HANK 7	236505	1	20.9	JUN 21/43	JUN 21/2000
HANK 8	236752	1	20.9	DEC 08/69	DEC 08/2000
INVMY N1	236755	1	20.9	DEC 08/69	DEC 08/2000
INVMY N2	236756	1	20.9	DEC 08/69	DEC 08/2000
INVMY N3	236525	1	20.9	FEB 24/54	FEB 24/99
IP 1 FR	236733	1	20.9	DEC 08/69	DEC 08/2000
IP 2 FR	236734	1	20.9	DEC 08/69	DEC 08/2000
IP 4 FR	235428	1	20.9	SEP 24/80	SEP 24/2000
IP 5 FR	236735	1	20.9	DEC 08/69	DEC 08/2000
IP 6 FR	236736	1	20.9	DEC 08/69	DEC 08/2000
IP 7 FR	236737	1	20.9	DEC 08/69	DEC 08/2000
IP 8 FR	236738	1	20.9	DEC 08/69	DEC 08/2000
IP 9 FR	236739	1	20.9	DEC 08/69	DEC 08/2000
JET 1 FR	236537	1	20.9	DEC 19/58	DEC 19/99
JET 2 FR	236754	1	20.9	DEC 08/69	DEC 08/2000
JOHN 1	235417	1	20.9	DEC 12/79	DEC 12/2000
JOHN 2	235418	1	20.9	DEC 12/79	DEC 12/2000
JOHN 3	235419	1	20.9	DEC 12/79	DEC 12/2000
JOHN 4	235420	1	20.9	DEC 12/79	DEC 12/2000
LESLIE	236639	1	20.9	JUN 13/67	JUN 13/99
LESLIE 1	236640	1	20.9	JUN 13/67	JUN 13/99
LESLIE 2	236641	1	20.9	JUN 13/67	JUN 13/99
LESLIE 3	236642	1	20.9	JUN 13/67	JUN 13/99
LOIS FR	236625	1	20.9	JUN 02/67	JUN 02/99
LOIS 1	236626	1	20.9	JUN 02/67	JUN 02/99
LOIS 2	236627	1	20.9	JUN 02/67	JUN 02/99
LOIS 3	236628	1	20.9	JUN 02/67	JUN 02/99
LOIS 4	236629	1	20.9	JUN 02/67	JUN 02/99
LOIS 5	236630	1	20.9	JUN 02/67	JUN 02/99
LOIS 6	236631	1	20.9	JUN 02/67	JUN 02/99
LOIS 7FR	236730	1	20.9	NOV 07/69	NOV 07/99
LOIS 8	236632	1	20.9	JUN 02/67	JUN 02/99
LOIS 9	236633	1	20.9	JUN 02/67	JUN 02/99
LOIS 10	236634	1	20.9	JUN 02/67	JUN 02/99
LOIS 11	236635	1	20.9	JUN 02/67	JUN 02/99
LOIS 12	236636	1	20.9	JUN 02/67	JUN 02/99
LOIS 13	236637	1	20.9	JUN 02/67	JUN 02/99
LOIS 14	236638	1	20.9	JUN 02/67	JUN 02/99
LORNA FR	236729	1	20.9	NOV 07/69	NOV 07/99
MAY FR	236753	1	20.9	DEC 08/69	DEC 08/99

*INCLUDES 8 CROWN GRANTS

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DATE REVISED: JAN 21, 1994					
CLAIMS: 171*		UNITS: 195		AREA(ha): 4162	
CLAIM	TENURE	UNITS	AREA(ha)	RECORD DATE	EXPIRY DATE
MAY 1	236514	1	20.9	FEB 09/54	FEB 09/99
MAY 2	236515	1	20.9	FEB 09/54	FEB 09/99
MAY 3	236516	1	20.9	FEB 09/54	FEB 09/99
MAY 4	236517	1	20.9	FEB 09/54	FEB 09/99
MAY 5	236518	1	20.9	FEB 09/54	FEB 09/99
MAY 6	236519	1	20.9	FEB 09/54	FEB 09/99
MAY 7	236520	1	20.9	FEB 09/54	FEB 09/99
MAY 8	236521	1	20.9	FEB 09/54	FEB 09/99
MAY 9	236522	1	20.9	FEB 09/54	FEB 09/99
MAY 10	236523	1	20.9	FEB 09/54	FEB 09/99
MAY 11	236524	1	20.9	FEB 09/54	FEB 09/99
MAY 16	236532	1	20.9	SEP 15/55	SEP 15/99
26MILEFR	236728	1	20.9	NOV 07/69	NOV 07/99
MISTY	236510	1	20.9	APR 15/53	APR 15/99
MISTY 1	236511	1	20.9	APR 15/53	APR 15/99
MISTY 2	236512	1	20.9	APR 15/53	APR 15/99
MISTY 3	236513	1	20.9	APR 15/53	APR 15/99
PEG 1	236709	1	20.9	OCT 08/69	OCT 08/99
PEG 2	236710	1	20.9	OCT 08/69	OCT 08/99
RAN	235414	3	62.7	SEP 21/79	SEP 21/2000
RAN FR	235415	1	20.9	SEP 21/79	SEP 21/2000
RED 1	236533	1	20.9	DEC 19/58	DEC 19/2000
RED 2	236534	1	20.9	DEC 19/58	DEC 19/2000
RED 3	236535	1	20.9	DEC 19/58	DEC 19/2000
RED 4	236536	1	20.9	DEC 19/58	DEC 19/2000
REX 11	236776	1	20.9	JUN 12/70	JUN 12/2000
REX 12	236777	1	20.9	JUN 12/70	JUN 12/2000
REX 13	236778	1	20.9	JUN 12/70	JUN 12/2000
REX 14	236779	1	20.9	JUN 12/70	JUN 12/2000
REX 15	236780	1	20.9	JUN 12/70	JUN 12/2000
REX 16	236781	1	20.9	JUN 12/70	JUN 12/2000
REX 17	236782	1	20.9	JUN 12/70	JUN 12/2000
REX 18	236783	1	20.9	JUN 12/70	JUN 12/2000
REX 19	236784	1	20.9	JUN 12/70	JUN 12/2000
REX 20	236785	1	20.9	JUN 12/70	JUN 12/2000
REX 21	236786	1	20.9	JUN 12/70	JUN 12/2000
REX 22	236787	1	20.9	JUN 12/70	JUN 12/2000
REX 22FR	236815	1	20.9	SEP 23/71	SEP 23/99
RIDGE1FR	236740	1	20.9	DEC 08/69	DEC 08/99
RIDGE2FR	236741	1	20.9	DEC 08/69	DEC 08/99
RIDGE3FR	236742	1	20.9	DEC 08/69	DEC 08/99

*INCLUDES 8 CROWN GRANTS

GIANT COPPER

DATE REVISED: JAN 21, 1994					
CLAIMS: 171*		UNITS: 195		AREA(ha): 4162	
CLAIM	TENURE	UNITS	AREA(ha)	RECORD DATE	EXPIRY DATE
SABRE 1	236538	1	20.9	DEC 19/58	DEC 19/2000
SLIDE FR	235426	1	20.9	SEP 02/80	SEP 02/2000
VERNON 1	236496	1	20.9	JUN 21/43	JUN 21/99
VERNON 2	236497	1	20.9	JUN 21/43	JUN 21/99
VERNON 3	236498	1	20.9	JUN 21/43	JUN 21/2000
VERNON 4	236499	1	20.9	JUN 21/43	JUN 21/2000
VERNON 5	236500	1	20.9	JUN 21/43	JUN 21/99
VERNON 6	236501	1	20.9	JUN 21/43	JUN 21/99
VERNON 7	236502	1	20.9	JUN 21/43	JUN 21/99
VERNON 8	236503	1	20.9	JUN 21/43	JUN 21/99

*INCLUDES 8 CROWN GRANTS

GIANT COPPER PROPERTY

1995 PROGRAM OF DIAMOND DRILLING

NEW WESTMINSTER MINING DIVISION

49°10" N., 121°01' W. NTS 92H/3E

VOLUME 2 of 2

For

Bethlehem Resources Corporation
420 - 355 Burrard Street
Vancouver, B.C. V6C 2G8

Mark Tindall B.Sc., P.Geo.
November, 1995

Tindall Geoservices Inc.
858 East 15th Avenue
Vancouver, B.C. V5T 2R9

APPENDIX 2

DIAMOND DRILL LOGS

GIANT COPPER PROPERTY

ACID-BASE ACCOUNTING DRILL HOLE LOGS

GCS95-1

FROM	TO	SAMPLE Nos.	ROCK TYPE
11.0	46.7	95001-95007	Mafic tuff
46.7	158.7	95008-95031	Strongly mineralized, altered breccia
158.7	220.8	95032-95043	Weakly mineralized, altered breccia
220.8	259.5	95044-95051	Feldspathic tuff
259.5	277.2	95052-95054	Argillite
277.2	281.1	95055	Feldspathic tuff
281.1	429.7	95056-95085	Mafic tuff
429.7	487.0	95086-95096	Feldspathic tuff

E.O.H. 487 Feet

GCS95-2

FROM	TO	SAMPLE Nos.	ROCK TYPE
21.0	44.3	95097-95101	Weakly mineralized, altered breccia
44.3	131.0	95102-95119	Strongly mineralized, altered breccia
131.0	372.2	95120-95165	Weakly mineralized, altered breccia
372.2	395.0	95166-95169	Strongly mineralized, altered breccia
395.0	469.5	95170-95184	Feldspathic tuff
469.5	483.0	95185-95186	Pyroxenite dyke
483.0	500.0	95187-95189	Mafic tuff

E.O.H. 500 Feet

GCS95-3

FROM	TO	SAMPLE Nos.	ROCK TYPE
20.0	52.8	95190-95193	Pyroxenite
52.8	102.0	95194-95202	Andesite
102.0	116.8	95203-95204	Pyroxenite
116.8	160.9	95205-95212	Andesite
160.9	188.9	95213-95218	Mineralized & fractured feldspathic tuff
188.9	238.5	95219-95228	Mineralized andesite
238.5	252.5	95229-95230	Strongly mineralized, altered breccia
252.5	308.4	95231-95242	Mineralized, feldspathic tuff
308.4	380.6	95243-95255	Mineralized andesite
380.6	409.4	95256-95260	Mineralized, feldspathic tuff
409.4	466.5	95261-95271	Mineralized andesite
466.5	488.0	95272-95276	Weakly mineralized, altered breccia
488.0	495.8	95277	Diorite dyke
495.8	532.5	95278-95286	Weakly mineralized, altered breccia
532.5	559.3	95287-95289	Feldspathic tuff
559.3	601.4	95290-95298	Weakly mineralized, altered breccia
601.4	609.5	95299-95300	Pyroxenite dyke
609.5	644.8	95301-95307	Strongly mineralized, altered breccia
644.8	706.6	95308-95319	Mafic tuff
706.6	721.0	95320-95321	Pyroxenite dyke
721.0	756.5	95322-95327	Mafic tuff
756.5	781.0	95328-95330	Feldspathic tuff

E.O.H. 781 Feet

GCS95-4

FROM	TO	SAMPLE Nos.	ROCK TYPE
33.0	125.5	95331-95340	Mafic tuff
125.5	141.7	95341-95343	Andesite
141.7	220.0	95344-95357	Mafic tuff
220.0	242.2	95358-95360	Andesite
242.2	251.3	95361	Mafic tuff
251.3	285.3	95362-95366	Andesite
285.3	295.5	95367-95369	Mafic/feldspathic tuff
295.5	323.0	95370-95372	Andesite
323.0	330.5	95373-95374	Feldspathic tuff

E.O.H. 330.5 Feet

GCS95-5

FROM	TO	SAMPLE Nos.	ROCK TYPE
32.0	137.8	95375-95390	Mafic tuff
137.8	144.0	95391	Feldspathic tuff
144.0	299.3	95392-95411	Mafic Tuff
299.3	316.4	95412-95413	Andesite
316.4	340.7	95414-95416	Mafic tuff
340.7	368.2	95417-95420	Andesite
368.2	383.8	95421-95423	Andesite breccia
383.8	392.5	95424-95426	Weakly mineralized, altered breccia
392.5	422.1	95427-95432	Feldspathic tuff
422.1	459.0	95433-95437	Andesite
459.0	476.6	95438-95440	Feldspathic tuff
476.6	557.8	95441-95457	Strongly mineralized, altered breccia
557.8	580.1	95458-95460	Feldspathic tuff
580.1	595.1	95461-95462	Andesite
595.1	616.0	95463-95465	Mafic tuff

E.O.H. 616 Feet

GCS95-6

FROM	TO	SAMPLE Nos.	ROCK TYPE
35.0	131.5	95466-95485	Mineralized, altered breccia
131.5	186.8	95486-95496	Pyritic, unaltered breccia
186.8	206.9	95497-95498	Mafic tuff
206.9	237.4	95499-95506	Pyritic, unaltered breccia
237.4	249.9	95507-95508	Mafic tuff
249.9	342.4	95509-95527	Pyritic, unaltered breccia
342.4	475.3	95528-95553	Mineralized, altered breccia
475.3	501.4	95554-95557	Mafic tuff
501.4	512.3	95558-95559	Pyroxenite dyke
512.3	604.0	95560-95573	Mafic tuff
604.0	620.1	95574-95576	Unmineralized, altered breccia
620.1	646.8	95577-95580	Mafic tuff
646.8	654.4	95581	Andesite
654.4	663.0	95582-95583	Mafic tuff
663.0	683.6	95584-95586	Andesite
683.6	741.0	95587-95593	Mafic/feldspathic tuff

E.O.H. 741 Feet

GCS95-7

FROM	TO	SAMPLE Nos.	ROCK TYPE
15.5	54.2	95594-95599	Mafic tuff
54.2	135.5	95600-95610	Feldspathic tuff
135.5	200.3	95611-95621	Mafic tuff
200.3	209.9	95622	Weakly mineralized breccia
209.9	348.2	95623-95641	Mafic tuff
348.2	365.3	95642-95643	Pyroxenite dyke
365.3	496.0	94644-95659	Mafic tuff

E.O.H. 496 Feet

GCS95-8

FROM	TO	SAMPLE Nos.	ROCK TYPE
17.0	31.9	95660-95662	Feldspathic tuff
31.9	45.4	95663-95664	Lithic tuff
45.4	59.2	95665-95667	Feldspathic tuff
59.2	78.2	95668-95672	Gabbro
78.2	95.6	95673-95675	Andesite
95.6	112.9	95676-95679	Mafic tuff
112.9	122.3	95680-95681	Diorite dyke
122.3	145.2	95682-95685	Breccia
145.2	180.0	95686-95691	Mafic tuff
180.0	231.0	95692-95699	Breccia
231.0	246.0	95700-95701	Mafic tuff
246.0	258.0	95702-95703	Breccia
258.0	276.0	95704-95706	Lithic tuff
276.0	533.0	95707-95748	Breccia
533.0	552.0	95749-95751	Mafic tuff
552.0	608.0	95752-95761	Breccia

E.O.H. 608 Feet

TINDALL GEOSERVICES INC.	PROPERTY: Giant Copper	PAGE 1 OF 19	HOLE NO: GCS95-8
PROJECT:	LOGGED BY: M. Tindall / Gary Rosie	DATE: Oct 12/95	DEPTH: 608 Feet
LOCATION: AM BRECCIA	SURVEYED BY: Eric Lemeve	DATE: Oct 12/95	CORE SIZE: NQ 450 - 608 / HQ 0 - 450
CONTRACTOR: Olympic	DATE COLLARED: Oct 11/95		DATE COMPLETED: Oct. 20/95

COORDINATES:

NORTHING:	9376.48
EASTING:	9704.78
ELEVATION:	5589.44
METHOD:	SURVEY

HOLE SURVEY

DEPTH	0	200'	400'	600'	
INCLINATION	-37°44'	-36°	-36.5°	-38°	
AZIMUTH	268½°	–	–	–	
INSTRUMENT	Survey	Acid	Acid	Acid	

EQUIPMENT TYPES USED

Longyear Super 38

Acid Tests Corrected for magnetics

HOLE SUMMARY / COMMENTS

Hole called @ 608 ft in strong fault due to bad squeezing.

From	To	Width	
17	31.9	14.9	0.267% Cu, <.03 g/t Au, 8.66 g/t Ag in Feldspathic Tuff
45.4	112.9	67.5	0.175% Cu, <.03 g/t Au, 4.73 g/t Ag in Feld. Tuff, Andesite & Gabbro
286.5	441.0	154.5	0.375% Cu, low Au, 11.65 g/t Ag in Breccia
302	339	37.0	0.915% Cu, low Au, 29.81 g/t Ag
373	388	15.0	0.520% Cu, 0.08 g/t Au, 14.33 g/t Ag
474	515	41.0	0.189% Cu, <.03 g/t Au, 4.54 g/t Ag in Breccia

EOH 608 ft.

TINDALL GEOSERVICES INC. PAGE 2 OF 19 HOLE NO. GCS95-8

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
0	17		Casing									
17	31.9		18 Feldspathic Tuff	- 17-38 badly broken		95660	17.0	22.0	5.0	<.03	15.0	9250
			White - Tan or lt	weathered w. strong limonite		661	22.0	27.0	5.0	<.03	2.0	805
			grey, v. f. gr to	stain on fracrs.		662	27.0	31.9	4.9	0.03	9.0	2930
			aphanitic feldsp.	- Minor blk tourmaline								
			Tuff.	replacement along fracrs.								
			Some short sections	and as few 1mm blk spots								
			w. many fine	- Some short sections (3-4")								
			bedding laminations	w py + cpy along irreg.								
				fracrs. Aug total sulphide								
				content < 1%								

TINDALL GEOSERVICES INC. PAGE 3 OF 19 HOLE NO. GC95-8

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% BULPH	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	ASSAYS Au g/t	ASSAYS Ag ppm	ASSAYS Cu ppm
31.9	33.6		Feldspar Porph. Dyke	- sharp but broken		95663	31.9	39.0	7.1	<.03	<1	135
			lt green - white	upper & lower contacts		664	39.0	45.4	6.4	<.03	1.0	660
			porphyritic w	- strong white clay alt'n								
			1-3mm, euhedral	unmineralized								
			plag phenos in									
			a med gr groundmass									
			of white plag									
33.6	45.4		Lithic Tuff	- most intact but some								
			lt - med grey, green,	6" - 1' sections increase clay								
			med - coarse grained	gouge								
			andesitic tuff w	- minor lt green (maripositе?)								
			5-10% 3-10mm	in gouge sections								
			angular white	- unmineralized								
			lithic frags.									

TINDALL GEOSERVICES INC. PAGE 4 OF 19 HOLE NO. GC595-8

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
				-41.0 - 231 Strong Fault								
				Core intensely broken mostly								
				gravel held together by								
				clay or chlorite gouge and								
				drillers mud								
45.9	50.6		1B Feldspathic Tuff	- Intense white clay alta. (3-5")		95665	45.9	50.6	5.2	<.03	4.0	1155
			white v. f. gr	- Some ghost sections w								
			equigranular	Strong cpy py impossible								
			intensely clay	to estimate Sulphide content								
			altered	due to masking by clay								

TINDALL GEOSERVICES INC. PAGE 5 OF 19 HOLE NO. GCS 95-8

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	ASSAYS Au g/t	ASSAYS Ag ppm	ASSAYS Cu ppm
50.6	53.7		12 Andesite med - dk green fine - med grained equigranular andesite	- intensely q/t-s upper contact sharp slickensided lower contact in clay gouge @ 30° to C.A. - most intensely sheared w intense chlorite gouge Some blk tourmaline in gouge - minor discernable py		95666	50.6	53.7	3.1	<.03	5.0	1750
53.7	59.2		18 Feldspathic Tuff White intensely clay altered w 5-7% small angular Tourmaline gravel	- intense clay alt'n v. minor relict rock frags - py + cpy noted in clay but impossible to estimate content		95667	53.7	59.2	5.5	<.03	1.0	890

TINDALL GEOSERVICES INC. PAGE 6 OF 19 HOLE NO. GCS95-8

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	ASSAYS Au g/t	ASSAYS Ag ppm	ASSAYS Cu ppm
59.2	60.8		12 Andesite	- Contacts obscured by		95668	59.2	66.0	6.8	<.03	4.0	1665
			intense chlorite-	intense clay alt'n								
			clay gouge	- approx 2-3% cpy & py								
			med green - dk	as fine -1mm xtals in gouge								
			green	cpy is dominant								
60.8	73.0		10 G9660	- intensely broken w strong		669	66.0	70.0	4.0		<1	470
			dk green - blk,	chlorite gouge		670	70.0	73.0	3.0	<.03	4.0	2275
			porphyritic w 1-3mm	- approx 1-2% cpy & py								
			euhedral, white	as veinlets, clots and								
			plag (10-15%)	disseminations cpy is dominant								
			phenos in a									
			fine gr very mafic									
			groundmass									

TINDALL GEOSERVICES INC. PAGE 7 OF 19 HOLE NO. GC95-8

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
73.0	75.6		10 Diorite Dyke	- broken upper contact sharp		95671	73.0	75.6	2.6	<.03	<1	100
			med grey, weakly	lower contact @ 75° to C.A.								
			porphyritic w	- weakly chloritized only								
			3-5mm, anhedral	textures largely intact								
			plag phenos (10%)	- Unmineralized								
			in a fine-med	- Below 73.0 core is strongly								
			gr. groundmass	broken w short sections of clay								
			of mafics 70%	gouge (6"-2')								
			and plag 30%									
75.6	78.2		10 Gabbro	- Strongly broken approx 50%		672	75.6	78.2	2.6	0.03	6.0	1730
			As above	clay gouge								
				- Approx 1-2% cpy ± py								
				in roughly equal amounts								

TINDALL GEOSERVICES INC. PAGE 8 OF 19 HOLE NO. G-CS95-8

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
78.2	95.6		12 Andesite	- intensely chloritized upper		95673	78.2	83.0	4.8	<.03	13.0	4040
			med green, med	Contact		674	83.0	88.0	5.0		6.0	1920
			grained, equigranular	- weak - mdtly chloritized		675	88.0	95.6	7.6	<.03	4.0	1285
			mixture of plag&Px	some autobx frags wkly -								
			and mafics 90%	mdtly replaced w tourmaline								
			Some sections	- Extremely variable								
			autobreccia w	Sulphide content w cpy &								
			angular frags	py as irreg blebs, smear clots								
			1-5cm andesite	and disseminations avg								
			in andesite matrix	Sulphide content 1-3%								
			Some sections lt	cpy is dominant.								
			green & more felsparthic	- increasing plag content								
				downhole below 89.2 ±1								
				Core is approx 90% plag								
				@ 86.5								

TINDALL GEOSERVICES INC. PAGE 9 OF 19 HOLE NO. GCS95-8

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
95.6	110.0		1B Mafic Tuff	- broken upper contact		95676	95.6	100.1	4.5	<.03	2.0	1730
			med-dk. grey-green. v.f. gr to aphanitic andesitic tuff	- weak hornfelsing increasing downhole to strong with bleaching; very minor tourmaline spotting near bottom of Section		677	100.1	104.5	4.4		2.0	330
						678	104.5	110.0	5.5	<.03	7.0	2545
				- approx 3-4% py as very fine disseminations in matrix of andesite and filling many gash fracts								
				- increasing cpy downhole from trace to approx 1% at end of section as blebs and veinlets minor py								

TINDALL GEOSERVICES INC. PAGE 10 OF 19 HOLE NO. GC595-8

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	ASSAYS Au g/t	ASSAYS Ag	ASSAYS Cu
110.0	112.9		I Breccia	- Broken upper contact		95679	110.0	112.9	2.9	<.03	15.0	5130
			light tan-white,	- Strong bleaching of								
			Many large,	frags all with partial								
			angular frags	replacement by blk tourmaline								
			altered tuff in	matrix is weakly altd								
			a matrix of	to clay and 1-3%								
			qtz & plag	bright green maripositc								
				- Approx 3-4% cpy								
				as large blebs in matrix								
				minor Aspy spy								
112.9	122.3		II Diorite	- Sharp upper contact @		680	112.9	117.0	4.1		2.0	865
			white-lt tan,	45° to C.A.		681	117.0	122.3	5.3	<.03	4.0	700
			porphyritic w	- minor tourmaline as								
			1-3mm, euhedral	fine wisps & 1-3mm blk spots								

TINDALL GEOSERVICES INC. PAGE 11 OF 19 HOLE NO. GC595-8

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	ASSAYS Au g/t	ASSAYS Ag ppm	ASSAYS Cu ppm
			plag phenos in a fine gr groundmass of white plag 35% & fine blk mafics 15%	- trace fine py along Silvadges tourmaline veinlets - weak - mdt clay alta of plag in groundmass; minor clay gouge along fracrs								
122.3	145.2		1 Breccia lt grey, w v. many large, angular frags. wkly - mdtly clay altered frags in a matrix of white plag	- clay altered upper contact - Strong blk tourmaline rimming frags and totally replacing smaller frags - Strong clay alta of plag matrix w. minor bright green maripositc - Trace diss cpy spy		95682	122.3	127.8	5.5	<.03	2.0	355
						683	127.8	134.0	6.2	<.03	<1	200

TINDALL GEOSERVICES INC. PAGE 12 OF 19 HOLE NO. GC595-8

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	ASSAYS Au g/t	ASSAYS Ag ppm	ASSAYS Cu ppm
				135.4 - 141.2 Strong - intense clay alter of matrix only intact core is frags		95684	134.0	141.2	7.2	<.03	<1	330
						685	141.2	145.2	4.0		2.0	1110
				- 141.2 - 145.2 Core is only weakly bxd feldspathic tuff								
145.2	180		18 Mafic Tuff med gry-green, fine gr, equigranular andesitic tuff	- broken w/ clay contact most strongly broken no clay alter - wkly hornfelsed w 2-3% fin diss py minor cpy decreasing downhole away from bx		686	145.2	151.5	6.3		1.0	790
						687	151.5	154.7	3.2		7.0	2385
				- 154.7 - 154.8 strongly fract wkly bxd w/ v. strong blk tourmaline replacement < 1%, cpy, approx 1% Asspy		688	154.7	154.8	5.1	<.03	19.0	5990

TINDALL GEOSERVICES INC. PAGE 13 OF 19 HOLE NO. GCS95-3

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
				- Below 159.8 mod (5%)		95689	159.8	167.5	7.7	<.03	1.0	290
				tourmaline veinlets, gosh fractures		690	167.5	175	7.5		<1	255
				and 1-3mm blk spots		691	175	180	5.0		<1	330
				approx 1-2% py + po as								
				fine veinlets no cpy noted								
180	231		1 BRECCIA			692	180	186	6.0		6.0	1880
			light grey. Angular	Broken upper contact. strong		693	186	191	5.0		3.0	715
			frags. strong clay	Tourmaline altn on margins of		694	191	198	7.0		<1	545
			altn.	large frags. also total replacement of		695	198	205.5	7.5		1.0	495
				smaller frags. Trace Cp, Py.								
				205.5-231 Moderate and		696	205.5	212	6.5		2.0	380
				stronger clay altn. Only trace		697	212	219	7.0		5.0	1280
				of Cx. mostly Py. From 215		698	219	224	5.0		3.0	955
				down to 231 = 1-1.5% as blebs.		699	224	231	7.0	<.03	3.0	1475

TINDALL GEOSERVICES INC. PAGE 14 OF 19 HOLE NO. GCS95-8

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
231	246		1B MAFIC TUFF	Upper contact @ 30° to core axis		95700	231	239	8.0	<.03	3.0	690
			Dark grey, very hard.	Rock is mostly intact. Some		701	239	246	7.0		<1	290
				thin fractures (1-2mm w/ black								
				Tourmaline altn. Trace diss Py								
246	253		TOURMALINE			702	246	253	7.0		<1	45
				Intense tourmaline altn								
				zone. Mostly all black coarse								
				boxy frags. bladed plag (?) xtals								
				common in groundmass. Some								
				Qtz.								
253	258		BRECCIA	Tourmaline, mainposite,		703	253	258	3.0	<.03	8.0	2410
				strong clay altn. 1% Gp as								
				coarse blebs in matrix.								

TINDALL GEOSERVICES INC. PAGE 15 OF 19 HOLE NO. GCS 95-8

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
258	276		LITHIC TUFF	some section of brx in with		95704	258	264	6	0.54	6.0	1885
			light gray w/ 1-3	tourmaline alt'n of frags. Weak		705	264	271	7	<.03	<1	280
			mm frags in a f.g.	Manjposite except @ 271'. Coarse		706	271	276	5			45
			matrix.	blebs of Cp between 262-264.								
				Overall <½% Sx. mostly Cp.								
276	353		BRECCIA	clay alt'n ranges from weak to		707	276	286.5	10.5		<1	100
			Light gray angular	strong (same for Tourmaline). Some		708	286.5	295	8.5		7.0	2160
			frags with black Tour.	very well mineralized sections like		709	295	302	7		7.0	2235
			rims.	such as 302-308, 312-328, 332-339		710	302	308	6		29.0	9475
				May contain up to 5% Cp locally		711	308	312	3	<.03	35.0	11570
				as coarse blebs and massive		712	312	316	4	0.19	48.0	12480
				matrix infilling.		713	316	321	5	<.03	41.0	12580
				Below 339 Sx content drops		714	321	328	7	0.06	23.0	6130
				to ≤1%, mostly Cp w/ traces Py		715	328	332	4	<.03	14.0	4630

TINDALL GEOSERVICES INC. PAGE 16 OF 19 HOLE NO. GCS95-8

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	ASSAYS Au g/t	ASSAYS Ag ppm	ASSAYS Cu ppm
						95716	332	339	7	<.03	30.0	10400
						717	339	347	8		3.0	1140
						718	347	353	6		2.0	855
353	367		MAFIC TUFF	weak tourmaline altn on		719	353	361	8		1.0	575
			Dark grey, bedded	narrow fractures. Trace Sx		720	361	367	6	<.03	<1	1315
			very hard.	mostly Py as blebs. Bedding								
				ranges from 30° to 45° to core								
				axis. Lower contact @ 60° to								
				core axis.								
367	533		BRECCIA	coarse brx with mod. to strong		721	367	373	6	0.05	4.0	1505
				Tourmaline altn. moderate clay		722	373	378	5	0.03	17.0	5240
				alt. w/ mineralized with		723	378	383	5	0.16	15.0	5750
				bleb and massive Sp up to		724	383	388	5	0.06	11.0	4595

TINDALL GEOSERVICES INC. PAGE 17 OF 19 HOLE NO. GCS 95-8

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
			*388-390.5 DIORITE	1% also up to 1% Po/Py. 5x		95725	388	395	7	0.03	7.0	2480
			contacts @ 45° to C.A.	content drops off below 388'		726	395	400	5	<.03	3.0	1575
			A few narrow	Still good box with tourm-		727	400	405	5	0.08	9.0	3285
			(1-2') sections of	aline but clay alt'n is		728	405	410	5	<.03	6.0	1620
			well bedded grey	weaker and no manipsite		729	410	415	5	0.04	5.0	1300
			tuff	Only traces of Cp+Po		730	415	420	5	<.03	5.0	1235
				from 425-533		731	420	425	5	0.25	5.0	1025
						732	425	430	5	<.03	3.0	915
						733	430	436	6		6.0	1855
						734	436	441	5		8.0	2035
						735	441	446	5		11.0	615
						736	446	453	7		3.0	440
						737	453	460	7		4.0	975
						738	460	467	7		2.0	945
						739	467	474	7	<.03	<1	655

TINDALL GEOSERVICES INC. PAGE 18 OF 19 HOLE NO. CC595-8

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
				traces of manipositic @		95740	474	481	7	<.03	3.0	1235
				485'. Still only traces of		741	481	488	7		3.0	1260
				Sx present as blebs in		742	488	495	7		8.0	3475
				brx matrix. Clay altn of		743	495	502	7	<.03	5.0	1950
				matrix is increasing		744	502	509	7	0.03	5.0	2125
				below ~ 480'. Core also		745	509	515	6	<.03	3.0	1180
				is more broken. Tourm-		746	515	521	6		<1	360
				aline altn is still mod.		747	521	527	6	<.03	1.0	610
				to strong. Manposite @ 527'		748	527	533	6	0.08	3.0	940
533	552		MAFIC TUFF	Bedding ranges from parallel		749	533	540	7	<.03	13.0	3915
			Med. to dark	to CA. at the top to 90°		750	540	546	6		2.0	585
			grey, fg. and well	to CA. at the lower contact		751	546	552	6	<.03	2.0	420
			bedded	Py along hairline fractures.								
				Very hard. Very little clay altn								

TINDALL GEOSERVICES INC. PAGE 9 OF 19 HOLE NO. GCS95-8

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
552	608		BRECCIA	Moderate Tourmaline overall		95752	552	557	5	<.03	2.0	945
			Dark grey to	but some sections which		753	557	562	5		2.0	760
			black coarse	are very strong → almost		754	562	567	5		<1	740
			down to fine	black. Very hard. Also feldspar		755	567	571	4	<.03		125
			angular brx.	rich matrix and strong clay								
				alt'n throughout. Sx content								
				is low however Asp is								
				present in areas of strong-								
				est Tourmaline.								
				571-579.5 strong tourmaline		756	571	576	5	0.25		20
				with ≥1% diss Asp locally		757	576	579.5	3.5	<.03	<1	15
						758	579.5	586	6.5	<.03	2.0	1090
				586-608 Strong Tourmaline		759	586	593	7	0.12	1.0	115
				and feldspar - Badly broken		760	593	600	7	<.03	<1	90
				fault zone 584-602		761	600	608	8	0.13	1.0	655

EOH 608

Knight Piésold
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GEOTECHNICAL CORE LOG
CATHEDRAL GOLD CORPORATION -- KABURI-ELDORADO PROJECT

DATE Oct 12/95 HOLE NO. GE95-8 COORDINATES ____N COLLAR EL ____m
CORE SIZE HQ BEARING 270°
LOGGED BY M. Tindall TOTAL DEPTH ____ ____E DIP -45°

DEPTH (m) FROM	TO	Feet LENGTH (m)	Feet RECOVERY (m)	(%)	Feet RQD (m)	(%)	HARDNESS	DEGREE OF BREAKAGE	DEGREE OF WEATHERING	JOINT DESCRIPTION ANGLE	NUMBER	SURFACE	BEDDING PLANES ANGLE	NUMBER	COMMENTS
17	21	4.0	1.42	35.5	0	0	R5	6	MW	All	>100	I		0	Broken, weathered
21	31	10.0	8.25	82.5	0.83	8.3	R5	6	MW	All	>100	I	60	39	" "
31	41	10.0	7.33	73.3	1.08	10.8	R5	10	SW	All	>50	I P		0	Fractd: clay gouge
41	50	9.0	8.75	97.2	0	0	R0	1	FR	"	>300	I		0	Intense clay gouge
50	55	5.0	4.46	89.2	0	0	R0	1	FR	"	"	I		0	"
55	60.5	5.5	4.42	80.3	0	0	R0	1	FR	"	"	I		0	"
60.5	71.0	10.5	5.75	54.8	0	0	R0	1	FR	All	>300	I		0	"
71.0	80.0	9.0	7.92	88.0	1.15	12.0	R2	2		"	>200	I		0	Mixed rock & gouge
80.0	85.0	5.0	5.0	100	2.25	45.0	R2	2	FR	"	>100	I		0	" " "
85.0	95.0	10.0	5.7	57.0	0	0	R0	7		"	>300	I		0	Strong clay gouge
95.0	104.5	9.5	8.5	89.5	.71	8.33	R5	7		"	>50	I, P		0	Strongly broken gouge
104.5	110.0	5.5	4.83	87.9	0.46	8.33	R5	6	FR	"	>100	I P		0	Strongly broken
110.0	120.0	10.0	10.2	101.0	4.29	42.1	R6	12		80,30,15	49	I, U, S		0	broken mixed gouge
120.0	130.5	10.5	9.75	92.9	3.08	29.4	R4	7		All	>50	I U		0	broken, 30% clay gouge
130.5	134.0	3.5	3.5	100.0	0	0	R4	7	FR	All	>100	I		0	" " "
134.0	138.0	4.0	3.5	87.5	0	0	R4	3		All	>100	I		0	broken, 50% gouge
138.0	146.0	8.0	7.42	92.7	1.08	13.5	R4	3	FR	All	>100	I		0	broken 30% gouge
146.0	151.5	5.5	4.92	89.4	0	0	R6	6	FR	All	>200	I, P		0	Very broken, NO gouge
151.5	161.0	9.5	6.7	70.0	1.05	11.1	R6	6		All	>200	I, P		0	Very broken 15% gouge
161.0	167.5	6.5	6.4	98.5	0	0	R6	6	FR	All	>50	I P	15°	5	Highly broken
167.5	171.0	3.5	3.0	85.7	1.33	38.0	R6	8	FR	20,40	>25	P S	10	1	broken / intact
171	176	5.0	4.0	80.0	2.66	53.2	R6	10	FR	20,40,60	>10	P S	10	1	mostly intact
176	179	3.0	2.0	66.6	0.33	11.1	R6	6	FR	ALL	>50	P S	10	1	broken
179	188	9.0	8.33	92.6	0.75	8.33	R5	6	FR	ALL	>100	P S I			broken
188	198	10.0	8.25	82.5	2.50	25.0	R5	10	FR	ALL	>25	P S I			
198	208.5	10.5	9.08	86.5	4.17	39.7	R3	10	FR	60 45	>25	P S I			mostly intact
208.5	219	10.6	9.75	92.9	0	0	R3	7	FR	ALL	>100	P S I			weakly intact
219	229	10.0	9.33	93.3	1.25	12.5	R5	7	FR	ALL	>100	P S I			weakly intact
229	235	6.0	4.83	80.5	1.66	27.7	R6	8	FR	ALL	>100	P S I			mostly intact
235	245	10.0	7.83	78.3	3.75	37.5	R6	8	FR	ALL	>50	P S			mostly intact
245	254.4	9.5	9.33	98.2	2.12	25.4	R5	7	FR	ALL	>100	P S I			weakly intact

Knight Piésold
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GEOTECHNICAL CORE LOG
CATHEDRAL GOLD CORPORATION -- KABURI - ELDORADO PROJECT

DATE Oct 18/95 HOLE NO. GCL95-8 COORDINATES _____ N COLLAR EL _____ m
CORE SIZE HQ-NQ BEARING _____
LOGGED BY GARY BOSTE TOTAL DEPTH 608 ft _____ E DIP _____

DEPTH (m) FROM	TO	FT. LENGTH (m)	FT. RECOVERY (m)	(%)	FT. RQD (m)	(%)	HARDNESS	DEGREE OF BREAKAGE	DEGREE OF WEATHERING	JOINT DESCRIPTION ANGLE	NUMBER	SURFACE	BEDDING PLANES ANGLE	NUMBER	COMMENTS
259.5	264	9.5	8.75	92	1.42	15	R4	6	FR	ALL	>100	SPI			mostly broken
264	274.5	10.5	8.33	79	1.16	11	R4	6	FR	ALL	>200	SPI			"
274.5	286.5	12.5	5.0	40	0	0	R3	5	FR	ALL	>200	SPI			"
286.5	296	10.5	8.92	85	3.75	36	R2	7	FR	ALL	>200	SPI			mostly intact
296	301	5	4.33	87	2.25	45	R2	7	FR	ALL	>50	SPI			Intact
301	311	10	9.92	99	2.58	26	R3	6	FR	ALL	>200	SPI			broken
311	321	10	9.25	93	4.58	46	R4	10	FR	25,60	>25	I P			Intact
321	331	10	9.25	93	6.17	62	R4	12	FR	60	>25	I SP			Intact
331	339	8	6.5	82	1.46	21	R4	7	FR	ALL	>100	I SP			mostly broken
339	349	10	8.66	87	4.92	49	R4	10	FR	60,45	>60	PI			Intact
349	359	10	8.42	84	1.33	13	R5	9	FR	60	>50	PSI			Intact
359	368	9	8.0	89	2.5	28	R5	10	FR	60,30	>25	PSI	30,45		mostly intact
368	376	8	7.8	98	1.0	13	R5	11	FR	50,70	>25	P S			" "
376	386	10	8.25	83	1.25	13	R3	6	FR	ALL	>100	PSI			mostly broken
386	398	12	10.8	90	11.1	92	R4	7	FR	ALL	>100	PSI			mostly intact
398	409	11	10.4	95	1.6	14	R3	5	FR	ALL	>200	PSI			badly broken
409	419	10	9.5	95	1.08	11	R3	5	FR	ALL	>500	PSI			badly broken
419	426	7	6.25	89	3.42	49	R5	12	FR	60	>25	C P S			Intact
426	436	10	8.16	82	3.66	37	R5	12	FR	60,80	>25	C P	80		Intact
436	446	10	10	100	7.92	79	R4	13	FR	60,30	>15	S P I			Intact
446	456	10	9.9	99	6.75	68	R4	13	FR	60,30	>15	S P I			Intact
456	466	10	10	100	5.42	54	R4	12	FR	60	>50	P S			mostly intact
466	476	10	9	90	6.92	69	R4	13	FR	45,60	>25	P S			Intact
476	485	9	9	100	6.5	72	R4	13	FR	60	>15	P S			Intact
485	493	8	7.42	93	2.16	27	R4	10	FR	50	>50	P S			mostly intact
493	500	7	6.33	90	1.42	20	R4	9	FR	60	>50	P S			poorly intact
500	508	8	7.66	96	0.5	6	R3	8	FR	ALL	>100	PSI			poorly intact
508	516	8	6.42	80	0.75	9	R3	6	FR	ALL	>200	PSI			broken
516	526	10	10	100	4	40	R3	7	FR	ALL	>200	PSI			poorly intact
526	537	11	5.5	50	0	0	R3	6	FR	ALL	>100	PSI			mostly broken
537	543	6	4.83	81	1.42	24	R4	8	FR	ALL	>50	PSI			weakly intact
543	556	13	12.5	96	3.92	30	R4	10	FR	35,70	>25	S I			Intact
556	568	12	11.58	97	3.75	31	R4	10	FR	35,70	>25	S I			Intact

HQ

NQ

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GEOTECHNICAL CORE LOG
CATHEDRAL GOLD CORPORATION -- KABURI-ELDORADO PROJECT

DATE Oct 20/95 HOLE NO. GCS95-8 COORDINATES _____ N COLLAR EL _____ m
CORE SIZE NQ BEARING _____
LOGGED BY GARY ROSTIE TOTAL DEPTH 608' _____ E DIP _____

DEPTH (m) FROM	DEPTH (m) TO	FEET LENGTH (m)	FEET RECOVERY (m)	FEET RECOVERY (%)	FEET RQD (m)	FEET RQD (%)	HARDNESS	DEGREE OF BREAKAGE	DEGREE OF WEATHERING	JOINT DESCRIPTION ANGLE	JOINT DESCRIPTION NUMBER	JOINT DESCRIPTION SURFACE	BEDDING PLANES ANGLE	BEDDING PLANES NUMBER	COMMENTS
568	576	8	7.83	98	2.75	34	R5	11	FR	ALL	>50	SI			Intact, very hard
576	584	8	7.75	97	2.08	26	R3	8	FR	ALL	>100	SI			broken
584	593	9	5.16	57	0	0	R3	6	FR	ALL	>200	SI			badly broken
593	600	7	6.08	87	1.75	25	R3	6	FR	ALL	>200	SI			" "
600	608	8	7.91	99	2.83	35	R3	7	FR	ALL	>100	SI			mostly intact

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TINDALL GEOSERVICES INC.	PROPERTY: Giant Copper	PAGE 1 OF 9	HOLE NO: GCS 95-7
PROJECT:	LOGGED BY: M. Tindall	DATE: Oct 3, 1995	DEPTH: 496 Feet
LOCATION: AM Breccia	SURVEYED BY: Eric LeNeve	DATE: Oct. 11, 1995	CORE SIZE: NQ2 148 - 496' HQ 0-148 ft
CONTRACTOR: Olympic	DATE COLLARED: October 2, 1995		DATE COMPLETED: Oct 10, 1995

COORDINATES:		HOLE SURVEY						EQUIPMENT TYPES USED
NORTHING:	9062.20	DEPTH	0	280'	496'			Longyear Super 38
EASTING:	9483.64	INCLINATION	-45°	-40°	-39°			
ELEVATION:	5710.17	AZIMUTH	270°	–	–			Acid Tests Corrected for Meniscus
METHOD:	Survey	INSTRUMENT	Brunton	Acid	Acid			

HOLE SUMMARY / COMMENTS

295.7 - 269.5 Tan altered tuff similar to the alteration in cpy mineralized breccia but not brecciated.

TINDALL GEOSERVICES INC. PAGE 2 OF 9 HOLE NO. GCS95-7

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	ASSAYS Au g/t	ASSAYS Ag ppm	ASSAYS Cu ppm
0	15.5		Casing									
15.5	54.2		Mafic Tuff	- WKly - mdly hornfelsed	93	95594	15.5	19.5	4.0	<.03	<1	495
			Med. green,	w. strong chlorite alta	87	595	19.5	24.5	5.0			145
			v.f. gr., equigranular	along widely spaced qtz-ca	23	596	24.5	36.0	11.5			410
			andesitic Tuff	fracts. Approx 1-2%	41	597	36.0	43.0	7.0			280
				py as fine veinlets and	100	598	43.0	51.0	8.0			200
				small blebs		599	51.0	54.2	3.2	<.03	<1	125
				- 15.5 - 108.6 strong fault ^ core badly								
				broken w. strong limonite								
				stain on fracts due to								
				weathering.								

TINDALL GEOSERVICES INC. PAGE 3 OF 9 HOLE NO. GCS95-7

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	ASSAYS Au g/t	ASSAYS Ag ppm	ASSAYS Cu ppm
54.2	135.5		18 Feldspathic Tuff	- broken upper Contact		95600	54.2	63.5	9.3	<.03	<1	130
			- white, v. f. gr	- WKly - strongly hornfelsed		601	63.5	69.5	6.0			230
			equigranular	most w weak tourmaline		602	69.5	76.5	7.0			230
			approx 95%	alt'n as 5-10% 1mm		603	76.5	87.0	8.5			265
			plag; waterlain	round blk spots.		604	87.0	94.5	7.5	<.03		230
			tuff w	- Variable py as fine		605	94.5	103.5	9.0	1.00	<1	510
			many Sects	veinlets, Smear blebs and		606	103.5	110.0	6.5	<.03	8.0	245
			finely laminated	fine dissem inations; aug								
			bedding	Sulphide content 1-3%								
				- 69.5 fine bedding @								
				45° to C.A.								
				- 100.5 fine bedding @ 70° to								
				C.A.								

TINDALL GEOSERVICES INC. PAGE 4 OF 9 HOLE NO. GC595-7

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag g/t	Cu ppm
				- Below 108.6 core much		95607	110.0	118.0	8.0	<.03	<1	235
				less broken more fractd		608	118.0	125.0	7.0			350
				than faulted		609	125.0	131.0	6.0	<.03	<1	530
135.5	200.3		18 Mafic Tuff	- 139 - 141.5 fault		610	131.0	137.0	6.0			560
			- Med green,	Core very badly broken w		611	137.0	144.0	7.0	<.03		195
			fine - med. grained	short sections limonitic		612	144.0	151.0	7.0	0.16		140
			equigranular,	clay gouge		613	151.0	158.0	7.0	<.03	<1	440
			andesitic Tuff.	- very broken contact between								
			w minor 2cm -	Feldspathic & Andesitic tuff								
			10 cm, angular	- weak chlorite alt'n								
			andesitic tuff	- < 1% py as fine								
			frags.	veinlets along fracts.								

TINDALL GEOSERVICES INC. PAGE 5 OF 9 HOLE NO. GCS95-7

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	ASSAYS Au g/t	ASSAYS Ag ppm	ASSAYS Cu ppm
				- Below 158' core becomes		95614	158.0	164.0	6.0	0.03	<1	1100
				variably (wkly - strongly)		615	164.0	169.0	5.0	<.03	<1	385
				hornfelsed w variable py ± po		616	169.0	172.3	3.3	0.03	2.0	170
				as fine veinlets & small		617	172.3	178.5	6.2	<.03	<1	335
				blebs any sulphides approx		618	178.5	184.5	6.0			130
				2-3%		619	184.5	192.5	8.0			180
				157.5 - 167.9 core broken -		620	192.5	197.5	5.0			70
				badly broken fault ?		621	197.5	200.3	2.8			90
				- Below 172.3 core is								
				mdtly - strongly hornfelsed								
200.3	209.0		1 Breccia			622	200.3	209.0	8.7	<.03	<1	100
			Small (0.5 - 2cm)	- Broken upper & lower contacts								
			rounded, frags white	- approx 3-5% py ± po as								
			feldsp. Tuff in a	veinlets, blebs & a few large								
			med grey, aphanitic	clots								

Strongly hornfelsed matrix

TINDALL GEOSERVICES INC. PAGE 6 OF 9 HOLE NO. GCS95-7

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% BULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
209.0	348.2		Mafic Tuff	- Strongly hornfelsed w		95623	209.0	216.0	7.0	<.03	<1	155
			med grey, v.f.gr.	pink & lt green hues.		624	216.0	224.0	8.0			175
			equigranular.	- Variable py tpy as small		625	224.0	232.0	8.0			185
			Some sections w.	blebs & fine veinlets aug		626	232.0	240.0	8.0			215
			finely laminated	sulphide approx 1%		627	240.0	245.4	5.4	<.03	<1	280
			bedding, approx	- Increasing tourmaline		628	245.4	246.9	1.5	2.30	1.0	165
			80% mafics 20%	below 213.5 as 1-4mm								
			plag.	round blk spots aug								
			- 245.4 - 295.9	Content 5-7%								
			3" Semimass. Aspy	- Below 245.4 Tuff is more		629	246.9	253.5	6.6	<.03	<1	910
			vein @ v. oblique	feldspathic w approx 50% mafics		630	253.5	261.5	8.0	<.03	2.0	410
			angle to C.A. total	50% plag.; Some sections to								
			Section 10% Aspy	2 ft white feldspathic tuff.;								
				Weak - mod hornfels w <1%								
				total py tpy trace cpy								

TINDALL GEOSERVICES INC. PAGE 7 OF 9 HOLE NO. GCS 95-7

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
				- 270.7 - 298.0 Fracture Zone		95631	269.5	269.5	8.0	0.74	11.0	230
				Core broken - badly broken		632	269.5	280.0	10.5	<.03	1.0	410
				no apparent Shearing		633	280.0	288.0	8.0		<1	160
				- Below 292 Tuff is more		634	288.0	298.0	10.0			210
				mafic / andesitic		635	298.0	306.9	8.9			240
				- Below 306.9 hornfelsing		636	306.9	314.5	7.6			270
				increases rapidly downhole		637	314.5	322.0	7.5			125
				to strong giving core glossy		638	322.0	329.5	7.5			145
				appearance py + Po content		639	329.5	337.0	7.5			260
				increases to 2-3%		640	337.0	344.0	7.0			285
						641	344.0	348.2	4.2	<.03	<1	240

TINDALL GEOSERVICES INC. PAGE 8 OF 9 HOLE NO. GCS95-7

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	ASSAYS Au g/t	ASSAYS Ag ppm	ASSAYS Cu ppm
348.2	365.3		Pyroxenite Dyke	- Sharp broken upper contact		95642	348.2	358.5	10.3	<.03	<1	25
			- DK grey - blk	- wkly - mdtly chloritized		643	358.2	365.3	7.1			20
			Porphyritic w.	phenos largely intact								
			3-6 mm subhedral	- <180 pb as 1-4 mm								
			blk pyroxene phenos	irregular blebs in groundmass								
			in a fine-med.									
			gr. groundmass									
			of 60% mafics &									
			40% plag. very									
			soft wkly magnetic									
365.3	496.0		18 mafic Tuff	- Broken upper contact		644	365.3	376.0	10.7			150
			med grey, v.f. gr to	- mdtly - strongly bleached		645	376.0	386.0	10.0			120
			aphanitic, andesitic	Some sections mdtly chloritized		646	386.0	396.0	10.0			120
			Tuff. Some fine	- variable pb & py as fine		647	396.0	406.0	10.0			65
			bedding, most massive	veinlets & irreg blebs &		648	406.0	414.0	8.0	<.03	<1	80

sulphide content 2-3%

TINDALL GEOSERVICES INC. PAGE 9 OF 9 HOLE NO. GCS95-7

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
				- Below 397 ft. Lost foliation		95649	414.0	429.0	10.0	<.03	<1	150
				decreases rapidly downhole		650	429.0	432.9	8.0			95
				Avg Sulphide content < 1%		651	432.0	440.0	8.0			185
				- 428.6 - 439.5 Fracture zone		652	440.0	448.0	8.0			120
				- core Broken - badly broken		653	448.0	456.0	8.0			115
				no apparent shearing		654	456.0	466.0	10.0			100
				- 476.6 - 482.6 core is crackle		655	466.0	471.5	5.5			100
				fractd w many white qtz - ankerite		656	471.5	476.6	5.1			75
				veins and veinlets approx 15%		657	476.6	482.6	6.0			130
				Veining no Sulphides in veins		658	482.6	488.0	5.4			215
				482.6 - many qtz healed		659	488.0	496.0	8.0	<.03	<1	405
				fracts @ all angles to C.A.								
				< 1% py & py								
				EOH 496.0								

Knight Piesold
CONSULTING ENGINEERS

GEOTECHNICAL CORE LOG
CATHEDRAL GOLD CORPORATION -- KABURI - ELDORADO PROJECT

DATE Oct 4/95 HOLE NO. GCS95-7 COORDINATES ____N COLLAR EL ____m
CORE SIZE HQ BEARING 270°
LOGGED BY M. Tindall TOTAL DEPTH ____ ____E DIP -45°

DEPTH (feet / m) FROM	TO	LENGTH (feet / m)	Feet RECOVERY (ft)	(%)	Feet RQD (ft)	(%)	HARDNESS	DEGREE OF BREAKAGE	DEGREE OF WEATHERING	JOINT DESCRIPTION ANGLE	NUMBER	SURFACE	BEDDING PLANES ANGLE	NUMBER	COMMENTS
24.5	36.0	11.5	2.76	24	0	0	R5	2	SW	0,50,70	V. many	I & P		0	V. badly broken/limonitic
36.0	43.0	7.0	3.10	44	0	0	R5	3			"	I or P		0	
43.0	45.0	2.0	2.05	103	0	0	R5	2			"			0	
45	51	6.0	1.62	27	0	0	R5	2			"			0	
51	57	6.0	3.9	65	0	0	R5	2			"			0	
57	63.6	6.6	4.16	63	0	0	R5	2			"			0	
63.6	69.5	5.9	2.07	35	0	0	R5	2	SW	0,50,70	"	I & P	45°	12	Very badly broken/limonitic
69.5	73.5	4.0	2.75	69	.54	13.5	R5	2			>100		45°	17	badly broken fault
73.5	82.5	9.0	3.75	42	0	0	R5	2			>100			0	
82.5	87.0	4.5	3.17	70	0	0	R5	2	SW	0,50,70	>100	I & P		0	
87.0	91.0	4.0	4.0	100	0	0	R5	2			>100			0	
91.0	97.0	6.0	2.9	49	0	0	R5	3			>100			0	
97.0	106.5	9.5	6.5	68	1.0	10.5	R5	3	SW	0,50,70	>50	I & P	6°	10	Mostly Broken
106.5	113.0	7.0	4.9	70	1.08	15.4	R5	4	FS	80+20	36	P+I	60°	>50	Very limonitic
113.0	121.0	8.0	7.75	97	4.42	55.5	R5	4		80+20	37	P+I	55°	>50	
121.0	131.0	10.0	8.0	80	1.50	18.8	R5	4	FS	80+20	56	P+I	55°	7	
131.0	137.0	6.0	2.83	47	0	0	R5	2	SW	15,30,75	>100	P+I		0	V. Badly broken, limonitic
137.0	144.0	7.0	4.67	67	1.21	17.3	R5	3	SW	15,30,75	>50	P+I		0	Broken, limonitic
144.0	148.0	4.0	4.2	105	2.1	50.0	R5	10		0,50,80	35	P+I		0	
148.0	158.5	10.5	5.2	49.5	2.96	56.9	R5	10		" "	35	P+I		0	
158.5	169.0	5.5	9.25	77.3	0.96	22.6	R5	3		0,50,80	approx50	P+I		0	
169.0	169.5	5.5	4.92	89.4	1.96	26.5	R6	5		25,80	49	P+I		0	Hornfelsed
169.5	176.0	6.5	5.5	84.6	2.29	35.3	R6	9	SW	25,80	97	P+I		0	" "
176.0	187.0	11.0	10.6	96.	6.75	61.4	R6	12		70	43	P+I		0	Strongly Hornfelsed
187.0	192.5	5.5	4.0	73	0.50	9.1	R6	9	SW	70	39	P+I		0	" "
192.5	201.0	8.5	7.7	90.5	4.38	51.5	R6	13	FS	30,60	33	P+I		0	"
201.0	206.0	5.0	5.0	100	3.38	67.5	R6	12	FS	30,60	21	P		0	"
206.0	216.0	10.0	10.0	100	6.9	69	R6	13	FR	40,85	37	P		0	"
216.0	226.0	10.0	9.9	99	8.58	85.9	R6	13	FR	40,85	21	P	70°	5	"
226.0	236.0	10.0	10.0	100	7.6	76.0	R6	13	FR	"	24	P	65	6	"
236.0	243.5	7.5	6.92	92	4.58	61.1	R6	13	FR	"	34	P		0	"

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Knight Piésold
CONSULTING ENGINEERS

GEOTECHNICAL CORE LOG
CATHEDRAL GOLD CORPORATION -- KABURI-ELDORADO PROJECT

DATE Oct 7/95 HOLE NO. GC595-7 COORDINATES ____N COLLAR EL ____m
CORE SIZE NQ2 BEARING 270°
LOGGED BY M. Tindall TOTAL DEPTH ____ ____E DIP -45°

DEPTH (m) FROM	TO	LENGTH (m)	Feet RECOVERY (ft)	(%)	Feet RQD (ft)	(%)	HARDNESS	DEGREE OF BREAKAGE	DEGREE OF WEATHERING	JOINT DESCRIPTION ANGLE	NUMBER	SURFACE	BEDDING PLANES ANGLE	NUMBER	COMMENTS
243.5	253.5	10.0	9.5	95	3.5	35.0	R5	10	FR	50 to 70	48	P+I	75°	18	WKly - mostly Hornfelsed
253.5	257.5	4.0	5.25	87.5	2.28	37.9	R5	9	FR	50 to 70	61	P, I		0	"
257.5	269.5	10.0	10.0	100	9.29	42.9	R5	9	FR	5, 50-60	35	U, I	65°	17	WKly hornfelsed
269.5	274.5	5.0	4.25	85	0.79	15.8	R5	9		All	>100	U, I		0	Badly Broken
274.5	280.0	5.5	4.92	89.4	0	0	R5	10	FR	All	> 50	U, P, I		0	" "
280.0	286.5	6.5	3.65	55.1	1.19	18.3	R5	10		0, 60, 85	47	U, P, I		0	"
286.5	292.0	5.5	5.3	96.9	2.44	44.4	R5	10		"	26	U, P, I	80°	1	"
292.0	302.0	10.0	10.0	100	0.79	7.9	R5	9	FR	"	>50	U, P, I		0	"
302.0	304.5	2.5	2.5	100	0	0	R5	11		55, 85	44	U, P		0	
304.5	314.5	10.0	9.87	98.7	7.80	78.0	R6	13		"	29	U, P	65°	1	Strongly Hornfelsed
314.5	322.0	7.5	7.5	100	3.90	51.9	R6	9		"	68	U, P, I		0	"
322.0	327.0	5.0	4.75	95.0	2.04	40.8	R6	7	FR	"	44	U, P	70°	10	"
327.0	339.5	12.5	9.92	79.3	6.0	48.0	R6	14		All	750	P, I	70°	26	"
339.5	344.0	4.5	4.1	91.1	4.1	91.1	R6	12	FR	30, 65, 80	5	P	70°	14	"
344.0	348.5	4.5	5.4	120	4.92	81.8	R6	11		20, 60	21	I	70°	24	"
348.5	358.5	10.0	10.1	101	7.71	76.3	R6	13	FR	15, 60-75	14	I			Soft, Intact
358.5	366.0	7.5	7.25	96.7	4.35	58.1	R6	12		80, 5	25	P, I, S	65°	3	"
366.0	376.0	10.0	10.17	101.7	6.08	59.8	R6	12	FR		25	P	65°	4	Mostly hornfelsed
376.0	386.0	10.0	9.65	96.5	5.60	56.0	R6	12		60, 90	30	P, S	55°	11	"
386.0	396.0	10.0	9.42	94.2	6.67	66.7	R6	13	FR	60, 90	31	P, S		0	"
396.0	406.0	10.0	9.45	94.5	7.25	72.5		13		60, 80	31	P, S		0	Weakly Hornfelsed
406.0	414.0	8.0	7.67	95.8	2.71	33.9		11		60, 80	43	P, S	50	22	"
414.0	424.0	10.0	10.0	100	7.50	75.0	R6	13	FR	60, 80	25	P, S	50	79	"
424.0	430.5	6.5	6.16	94.9	2.21	34.0	R5	12		65, 45	>50	P, S	60	24	"
430.5	436.5	6.0	5.42	90.3	3.29	54.9	R5	9	FR		>100	P, S	55°	9	"
436.5	446.0	9.5	9.6	101	1.83	19.1		6		All	>100	P, S, I	60	37	Fracture Zone
446.0	456.0	10.0	9.42	94.2	2.40	24.0	R5	7	FR	All	750	P, S, I	55°	44	" "
456.0	466.0	10.0	9.75	92.5	5.58	55.8	R5	10		65, 20	43	P, I		0	
466.0	479.5	13.5	8.16	60.4	2.58	19.1	R5	10	FR	65, 45, 60	29	P, I		0	No apparent Core Loss
479.5	486.0	6.5	5.5	84.6	2.79	42.9	R5	9	FR	45, 60, 20	42	P, I, U		0	
486.0	496.0	10.0	10.1	101	4.44	44.4	R5	12	FR	50-60, 85	>50	P, U		0	

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TINDALL GEOSERVICES INC.	PROPERTY: GIANT COPPER	PAGE 1 OF 21	HOLE NO: GCS95-6
PROJECT:	LOGGED BY: M. TINDALL	DATE: Sept 26/95	DEPTH: 741 Feet
LOCATION: AM BRECCIA	SURVEYED BY: Eric LeNeve	DATE: Oct 11, 1995	CORE SIZE: NQ2 471 - 741 feet HQ 0 - 471 feet
CONTRACTOR: Olympic	DATE COLLARED: September 25/95		DATE COMPLETED: Oct 1, 1995

COORDINATES:		HOLE SURVEY						EQUIPMENT TYPES USED
NORTHING:	9459.90	DEPTH	0	300'	500'	700'		Longyear Super 38
EASTING:	9573.58	INCLINATION	-45°	-46°	-44°	-41°		
ELEVATION:	5653.71	AZIMUTH	270°	—	—	—		Acid Tests Corrected for Meniscus
METHOD:	Survey	INSTRUMENT	Brunton	Acid	Acid	Acid		

HOLE SUMMARY / COMMENTS

From	TO	Width	
35	84.0	49 ft	low Au, 17.44 g/t Ag, 0.649% Cu in Breccia
342.4	398.9	56.5 ft.	low Au, 6.39 g/t Ag, 0.180% Cu in Breccia
398.9	438.7	39.8 ft	1.03 g/t Au, 33.88 g/t Ag, 0.900% Cu in Breccia
462.2	482.0	19.8 ft.	0.338 g/t Au, 11.43 g/t Ag, 0.226% Cu in Breccia
512.3	548.0	35.7 ft	1.03 g/t Au, 6.39 g/t Ag, 0.128% Cu in Breccia

TINDALL GEOSERVICES INC. PAGE 2 OF 21 HOLE NO. GC595-6

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	Au g/t	Ag ppm	Cu ppm	Mo ppm
	35		Casing										
					81	793466	35	41.0	6.0	0.07	35.0	13555	705
35	46.4		Quartzite Breccia	- 35 - 46.4 core heavily	93	467	41.0	46.4	5.4	<.03	27.0	10755	260
			Large, angular,	broken, clay altd & weakly									
			frags white	limonitic due to weathering									
			feldspathic tuff	- Extremely variable sulphide									
			in a matrix of	content as blebs & large									
			clay, sericite &	clots in matrix of bx,									
			blk tourmaline	cpy is dominant sulphide									
				w limonitic weathered rims									
				of py									
46.4	50.8		Aplite Dyke	- Broken upper & lower contacts	100	468	46.4	50.8	4.4	<.03	1.0	255	35
			lt, tan, porphyritic	- unaltd except for very									
			w 1mm phenos	few veinlets blk tourmaline									
			subhedral white plag	± <1% fine diss py minor									
			in groundmass of	diss cpy									
			aphanitic plag										

TINDALL GEOSERVICES INC. PAGE 3 OF 21 HOLE NO. GCS 95-6

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec BULK	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm	Mo ppm
1308	1315		1 Quartzite Breccia	- Some sections w strong	100	95469	50.8	55.1	4.3	0.03	50	18530	250
			large - extremely	to intense tourmaline replacement	95	470	55.1	61.4	6.3	<.03	4	1695	55
			large, angular frags	most w strong, olive green	98	471	61.4	65.7	4.3	0.03	29	10850	250
			White feldspathic	to brown clay - Sericite alt'n	87	472	65.7	70.2	4.5	0.03	<1	740	10
			tuff in a matrix	of frags & matrix	96	473	70.2	74.0	3.8	0.07	17	4725	185
			of qtz, clay,	- Extremely variable sulphide									
			Sericite & GFR	content to 5-7% in									
			tourmaline	short sections, cpy is									
				dominant as blebs & large									
				crops in matrix less py									
				minor po.									
				- @ 78 ft abrupt change	86	474	74.0	79.0	5.0	0.03	9	2420	70
				from cpy dominant to py,	100	475	79.0	84.0	5.0	<.03	4	1445	65
				po dominant w some sections									
				Sphalerite > cpy									

TINDALL GEOSERVICES INC. PAGE 4 OF 21 HOLE NO. GES 95-6

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec (DEPTH)	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm	Mo ppm
				- Total sulphide content	103	95476	84.0	89.0	5.0	<.03	3.0	725	25
				decreases below 74.0 to	105	477	89.0	94.0	5.0	0.04	4.0	725	45
				avg of 2-4% w some	93	478	94.0	99.0	5.0	0.03	4.0	810	
				shear sections to 7-8%	93	479	99.0	104.0	5.0	0.91	2.0	715	
				Strength of bx remains the	92	480	1040	109.0	5.0	<.03	1.0	545	
				same at very strong to intense	100	481	109.0	114.0	5.0	<.03	2.0	400	
				- Sulphide content continues	106	482	114.0	119.0	5.0	<.03	3.0	440	
				to decrease down hole to	95	483	119.0	124.0	5.0	<.03	2.0	555	
				107 where total sulphide	98	484	124.0	129.0	5.0	<.03	3.0	680	
				content is approx 1-2%	84	485	129.0	131.5	2.5	<.03	2.0	385	
				- Tourmaline replacement is									
				decreased to wk-mod below the									
				matrix of bx becomes more									
				mafic giving core it green									
				colour from chlorite-sericite-i									

alba.

TINDALL GEOSERVICES INC. PAGE 5 OF 21 HOLE NO. GCS95-6

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
131.5	186.8		Andesite Matrix Breccia	- Gradational upper contact	100	95486	131.5	138.0	6.5	<.03	2.0	380
			Med green, with	- Weak - mdt hornfelsed rims	97	487	138.0	143.0	5.0	<.03	<1	145
			large (1cm - 18cm),	around frags. Weak-	99	488	143.0	148.0	5.0	.03	1.0	430
			angular frags, tan	mdt Chlorite alta of	87	489	148.0	153.0	5.0	0.11	2.0	445
			aplite porphyry,	andesitic matrix	93	490	153.0	158.0	5.0	<.03	2.0	875
			and lt grey	- Extremely variable sulphide	102	491	158.0	163.0	5.0	<.03	<1	435
			feldspathic tuff	Content as small blebs -	100	492	163.0	168.0	5.0	0.05	<1	810
			(quartzite) in a	large clots of py in matrix	88	493	168.0	173.0	5.0	0.03	<1	265
			fine gr. med	and rimming frags avg	93	494	173.0	178.0	5.0	<.03	<1	230
			green, equigranular	Sulphide content 3-4%;	100	495	178.0	183.0	5.0	0.06	3.0	745
			andesitic matrix	Trace cpy		496	183.0	186.8	3.8	<.03	<1	230
				- Below 175 increasing								
				Pq, py still dominant								
				minor dk red-blk sphalerite								

TINDALL GEOSERVICES INC. PAGE 6 OF 21 HOLE NO. GCS 95-6

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
186.8	206.9		1B Tuff ?	- very irregular upper	98	95497	186.8	192.0	5.2	0.05	< 1	1330
			med grey w pink	contact	100	498	192.0	197.0	5.0	<.03	< 1	510
			or purple hue,	- appears to be intensely								
			aphanitic, soft	silicified almost glassy								
			probably intensely	but is too soft for silica								
			altd Tuff.	flooding, many 1-3 cm								
				irregular dk grey patchs								
				which may be intensely altd frags								
				in some sections, very many								
				dk green-blk chloritic								
				gash fracts @ 0-10° to								
				C.A.								
				- 1-3% extremely fine diss								
				py > cpy minor py veinlets								
				py is dominant minor sphalerite								

TINDALL GEOSERVICES INC. PAGE 7 OF 21 HOLE NO. GC595-6

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
				- @ 201.7 7 cm irregular	88	95499	197.0	202.0	5.0	<.03	<1	670
				clot of blk sphalerite	92	500	202.0	206.9	4.9		4.0	890
				- 202.3 - 207.8 Fracture zone / Fault								
				Core broken - badly broken w								
				many fracts @ 10° 9 45° to C.A.								
206.9	237.4		Andesite Matrix Breccia	- Broken upper contact.	100	501	206.9	212.0	5.1		<1	130
			Very many large	- WR - mdr chlorite alt'n of	97	502	212.0	217.0	5.0		<1	200
			(1cm - 10cm), grey,	matrix & WR - mdr hornfelsing	92	503	217.0	222.0	5.0	<.03	2.0	440
			angular frags	of frags.	100	504	222.0	227.0	5.0	0.03	<1	715
			feldspathic Tuff	- variable py as large blebs	93	505	227.0	232.0	5.0	0.03		965
			and possibly some	in matrix avg sulphide	100	506	232.0	237.4	5.4	<.03	<1	340
			diorite in a dk	content 1-3% minor po and								
			green, f.-gr. equigran.	trace cpy								
			mafic matrix									

TINDALL GEOSERVICES INC. PAGE 8 OF 21 HOLE NO. GCS95-6

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
237.4	249.9		18 Tuff	- Sharp but very irregular	100	95507	237.4	243.0	5.6	0.03	<1	545
			- Med grey w	upper contact.	91	508	243.0	249.9	6.9	<.03	<1	565
			lt pink & purple	- mdt - strong hornfelsing								
			blebs v.f.gr to	- Approx 1-2% py as fine								
			aphanitic, most	veinlets, minor sphalerite								
			w fine 1-3mm	as irregular blebs, no								
			bedding laminations	cpy noted.								
			many v. fine	- Broken lower contact.								
			blk tourmaline									
			veinlets & 1mm									
			spots									

TINDALL GEOSERVICES INC. PAGE 9 OF 21 HOLE NO. GCS95-6

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
249.9	475.3		Andesite Matrix 3% grey Light - Blk. large,	- Broken upper Contact	95	95509	249.9	255.0	5.1	<.03	2.0	575
				- mdt - intense, blk tourmaline	95	510	255.0	260.0	5.0	0.05	<1	215
			angular frags	replacement as frag rims &	98	511	260.0	265.0	5.0	0.03	<1	655
			feldspathic Tuff.	total replacement of frags								
			in a strongly	- variable py content as								
			chloritized, med-	fine disseminations and								
			dk green, med gr.,	small blebs in matrix								
			equigranular mafic	avg content <2%, minor								
			(andesitic) matrix	Sphalerite as fine blebs & veinlets, trace cpy.								
269.7	269.9		" Diorite Dyke	- irregular upper contact	61	512	265.0	270.0	5.0	0.03	1.0	765
			med grey-green to	broken lower contact	93	513	270	275	5.0	0.06	1.0	235
			White, med gr,	- mdt - very strong argillic	93	514	275	280	5.0	0.07	<1	140
			equigranular	alt'n giving white colour	98	515	280	285	5.0	0.03		155
			mixture mafics 60%	- Unmineralized	97	516	285	290	5.0	0.05		160
			and white plag 40%		100	517	290	295	5.0	<.03	<1	200

TINDALL GEOSERVICES INC. PAGE 10 OF 21 HOLE NO. GC395-6

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% REC	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
				-@ 311 start of gradational,	93	955108	295.0	300.0	5.0	0.04	<1	260
				downhole alt'n of matrix to	97	519	300.0	305.0	5.0	0.11	4.0	830
				tan sericite-clay ± colour	95	520	305.0	310.0	5.0	0.13	<1	545
				of matrix gradually goes	93	54	3100	315.0	5.0	0.04	2.0	570
				through dk green - lt green -	102	522	315.0	320.0	5.0	0.08	2.0	570
				@325' olive green - tan indicating	100	523	320.0	325.0	5.0	0.05	1.0	445
				Quartzite Bk is altd version	95	524	325.0	330.0	5.0	0.08	4.0	1665
				of andesite flow Dx	95	525	330.0	335.0	5.0	0.11	1.0	160
				- 320 - 321 Diorite Dyke	86	526	335.0	340.0	5.0	<.03	3.0	605
				w broken contacts	100	527	340.0	342.4	2.4	0.19	<1	355
				-331.5 - 391.0 Strong Fault								
				- Core very badly broken, strongly								
				argillized								

TINDALL GEOSERVICES INC. PAGE 11 OF 21 HOLE NO. GCS95-6

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec'd BULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
				- @ 342.4 abrupt appearance	98	95528	342.4	347.9	5.5	0.08	20.0	8595
				of cpy as small blebs	100	529	347.9	352.7	4.8	0.06	6.0	2955
				& irregular clots in matrix of	90	530	352.7	357.6	4.9	0.07	7.0	2240
				bx and rimming frags	100	531	357.6	362.5	4.9	0.12	3.0	1295
				no apparent difference in	105	532	362.5	368.0	5.5	0.11	3.0	1115
				bx style or alteration	91	533	368.0	373.5	5.5	0.06	3.0	1390
				type or intensity	92	534	373.5	380.0	6.5	0.09	13.0	4055
				- Extremely variable total	88	535	380.0	385.0	5.0	<.03	2.0	970
				sulphide content as cpy	98	536	385.0	390.0	5.0		5.0	1925
				blebs, clots & frag rims	92	537	390.0	395.0	5.0		2.0	980
				minor py & brown Sphalerite,	90	538	395.0	398.9	3.9	<.03	3.0	1755
				372.0 - 398.0 Fault								
				core very badly Broken Strong argillic alter								

TINDALL GEOSERVICES INC. PAGE 12 OF 21 HOLE NO. GCS 95-6

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
				- @ 398.9 very abrupt	102	95-539	398.9	404.0	5.1	<.03	44.0	13695
				increase in cpy opy content	97	540	404.0	409.0	5.0		54.0	14825
				w minor po sulphides	97	541	409.0	414.0	5.0		37.0	12985
				form large clots + blebs	98	542	414.0	419.0	5.0		14.0	5125
				in matrix of bx	96	543	419.0	424.0	5.0		24.0	7280
				cpy >> py tpo ; No	93	544	424.0	429.0	5.0		22.0	5715
				apparent change in bx or	105	545	429.0	434.0	5.0		40.0	14500
				alteration ; some shear	98	546	434.0	438.7	4.7	<.03	36.0	13095
				sections w. up to 10% cpy								
				avg total sulphide content								
				3-6%								
				- @ 438.7 Bx frags abruptly	99	547	438.7	446.0	7.3	0.03	2.0	1150
				become intensely tourmalinized								
				matrix of Bx is 100% mixture								
				white qtz + plag ; sulphide								

TINDALL GEOSERVICES INC. PAGE 13 OF 21 · HOLE NO. GCS 95-6

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec BULK	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
				Contact gradually drops to	86	95548	446.0	451.4	5.4	0.04	1.0	820
				almost zero no cpy noted	93	549	451.4	456.5	5.1	0.05	<1	420
				Minor v.f. diss Aspy at	95	550	456.5	462.2	5.7	0.52	1.0	135
				438.7 increasing rapidly								
				downhole to an avg of								
				approx 5%-7% Some short								
				Sections to 15%-20%								
				aspy as matrix of bx								
				-458.8-473.5 Strong Fault	72	551	462.2	466.5	4.3	<.03	6.0	1585
			Reduced from HQ to NQ @ 471'	-core badly-intensley broken	59	552	466.5	471.0	4.5	0.05	6.0	1435
				w Strong clay altn & sand	91	553	471.0	475.3	4.3	1.41	31.0	3790
				seams.								
				- @ 462.2 Intense tourmaline								
				altn ends Aspy mineralization								
				ends; matrix of bx is pkg								

TINDALL GEOSERVICES INC. PAGE 14 OF 21 HOLE NO. GCS 95-6

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	ASSAYS Au g/t	ASSAYS Ag ppm	ASSAYS Cu ppm
				Clay & sericite, Frags of								
				feldspathic Tuff only altered								
				W. wk tourmaline. diss								
				massive								
				py & dull med brown sulphide								
				(probably sphalerite maybe v. fine								
				py) in matrix some short								
				sections w. up to 10-12%								
				total sulphide mostly sphalerite								
475.3	501.4		18 Mafic Tuff	- Sharp upper contact w	9%	95554	475.3	482.0	6.7	0.06	6.0	2255
			med grey or green,	bx @ 35° to C.A.	98	555	482.0	489.0	7.0	<.03	3.0	450
			v.f. gr - aphanitic	- Strongly hornfelsed giving	100	556	489.0	496.0	7.0		<1	C30
			massive andesitic	glassy texture Some short		557	496.0	501.4	5.4	<.03	<1	360
			Tuff	sections of fracturing strongly								
				Chloritic								

TINDALL GEOSERVICES INC. PAGE 15 OF 21 HOLE NO. GCS95-6

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	ASSAYS Au g/t	ASSAYS Ag ppm	ASSAYS Cu ppm
				- Variable Py & Po along								
				fracts and as small blebs.								
				Minor cpy aug sulphide								
				content 0.5 - 2%								
501.4	512.3		Pyroxenite	- chilled, f. gr. upper	103	95558	501.4	507.0	5.6	<.03	<1	140
			Dark green, porphyritic	& lower contacts marks	100	559	507.0	512.3	5.3	<.03	<1	125
			w 1-3mm sub-	angle to C.A								
			hedral, blk, pyroxene	- wkly - mdtly chloritized								
			phenos in a f. gr	Unmineralized								
			mafic groundmass									
					108	560	512.3	521.0	8.7	0.03	1.0	1165
512.3	600.6		Mafic Tuff	- 518.3 - 534.0 Strong Fault	100	561	521.0	529.0	8.0	<.03	1.0	705
			As above	- Core broken - very badly broken	100	562	529.0	534.5	5.5	<.03	5.0	1130
				wk - mdt argillic alta.								

TINDALL GEOSERVICES INC. PAGE 16 OF 21 HOLE NO. GCS 95-6

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
				- @ 534.5 py + po concentrations	100	95563	534.5	541.0	6.5	<.03	6.0	1130
				avg total sulphide 3-4% increases w. minor cpy	100	564	541.0	548.0	7.0		17.0	2345
				Sphalerite & Aspy all	100	565	548.0	555.0	7.0		2.0	515
				concentrated along fine fractures	100	566	555.0	562.0	7.0		<1	490
			562-570 ft 1.5'	- @ 539.5 relict, finely	80	567	562.0	570.0	8.0		<1	390
			core lost; Tube	laminated bedding @ 55° to C.A.	97	568	570.0	578.0	8.0		<1	570
			didn't lock	@ 583 fine bedding @ 65° to C.A.		569	578.0	586.2	8.2		1.0	635
				- @ 561.0 avg total sulphide								
				content drops to 1-2%								
				- 586.2 - 590.4 core strongly	100	570	586.2	590.4	4.2		2.0	1000
				fracted @ all angles to C.A.	100	571	590.4	595.5	5.1		<1	190
				fracts healed w LIK tourmaline,	100	572	595.5	600.6	5.1	<.03	<1	200
				po + minor py total sulphide								
				approx 3-4%								

TINDALL GEOSERVICES INC. PAGE 17 OF 21 HOLE NO. GCS95-6

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Tr. SULPH.	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
600.6	604.0		Aplite Dyke - white v.f. gr - aphanitic 7 90% plag.	- Sharp upper contact @ 35° to C.A. broken lower contact - mod'ly argillized w approx 1-2% py + po as irregular blebs	100	95573	600.6	604.0	3.4	<.03	<1	215
604.0	620.1		1 Breccia white - dk grey - blk, w small angular frags in a white plag + qtz matrix	- Frags w. mod't - strong tourmaline replacement. Brecciation is weak some sections not bxd but v. strongly fractd. - < 1% py + po as small blebs + fine veinlets trace cpy	100	574	604.0	610.0	6.0			415
					100	575	610.0	616.0	6.0		<1	150
					103	576	616.0	620.1	4.1	<.03	2.0	330

TINDALL GEOSERVICES INC. PAGE 18 OF 21 HOLE NO. GC95-6

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec Blkm	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
620.1	646.8		18 Mafic Tuff	- Broken upper contact	95	95577	620.1	628.0	7.9	<.03	2.0	460
			lt - med grey, green	- mdtly - strongly feldspathic	98	578	628.0	636.0	8.0		2.0	455
			v.f. gr equigranular	giving glassy appearance	64	579	636.0	641.0	5.0		<1	325
			alternating sections	- Variable py o po 3-5	100	580	641.0	646.8	5.8			130
			mafic & feldspathic	fine veinlets and small								
			tuff w many	blebs minor cpy & trace								
			fine laminations	Aspy								
			in some sections	- 620.1 - 646.8 strong								
				Fault ; core broken to								
				badly broken some sections								
				mdt - strong clay gouge								
646.8	654.4		12 Andesite	- Broken upper & lower	95	581	646.8	654.4	7.6	<.03	<1	155
			DK green, f. gr.	contacts								
			equigranular 80%	- Unaltd w 1-2% py & po								
			mafics 20% plag	as scarce v. f. veinlets								

TINDALL GEOSERVICES INC. PAGE 19 OF 21 HOLE NO. GCS 95-6

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
644	660.2		1B Mafic Tuff	- Diffuse upper contact	95	95582	654.9	660.2	5.3	<.03	<1	370
			Med grey or green	- mdtly - strongly hornfelsed								
			v.f. gr to aphanitic	w glassy appearance								
			w some sections	- Variable py & po as:								
			w. very fine	fine veinlets and dissemination								
			bedding	and small blebs trace cpy								
			- some sharp	- GGF bedding @ 55° to C.A.								
			beds andesite									
660.2	663.0		Aplite Dyke	- Sharp upper contact @	100	95583	660.2	663.0	2.8	<.03	<1	135
			v. fine gr - aphanitic	70° to C.A. lower contact @								
			WKly porphyritic	45° to C.A.								
			w 1090 1mm euhedral	- WKly argill. zone w trace								
			white plag phenos	py + po								
			in a white plag ground mass									

TINDALL GEOSERVICES INC. PAGE 20 OF 21 HOLE NO. GCS95-6

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	ASSAYS Au g/t	ASSAYS Ag ppm	ASSAYS Cu ppm
663.0	683.6		12 Andesite	- variable py + cpy as	87	95584	663.0	670.5	7.5	<.03	<1	130
			V.F. gr, equigran.	irregular blebs and fine	100	585	670.5	678.0	7.5			275
			DK green massive	veinlets minor cpy + py	100	586	678.0	683.6	5.6			310
				total Sulphide ~ 1-2%								
683.6	741		18 Tuff	- Broken upper contact	96	587	683.6	691.0	7.4			235
			Med grey or green	- mostly strongly hematized	96	588	691.0	701.0	10.0			275
			V.f. gr equigranular	- variable py + cpy as	96	589	701.0	711.0	10.0			220
			and aphanitic	veinlets + blebs and very	100	590	711.0	721.0	10.0	<.03		205
			alternating 1-10'	fine disseminations mostly	100	591	721.0	726.3	5.3	0.04	<1	280
			beds felsic and	cpy + ASPY aug Sulphide ~ 3%								
			mafic tuff	- 698 bedding @ 85° to C.A.								
			- Some finely	- 717.5 bedding @ 80° to C.A.								
			laminated bedding									

TINDALL GEOSERVICES INC. PAGE 21 OF 21 HOLE NO. GCS95-6

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec DUPH	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	ASSAYS Au g/t	ASSAYS Ag ppm	ASSAYS Cu ppm
				- 13% below 726.3 hornfelsing	97	95592	726.3	733.0	6.7	<.03	<1	235
				is WK-mod sulphide	98	593	733.0	741.0	8.0	<.03	<1	210
				content approx 1% as fine								
				veinlets & blebs po & py								
				741 true EOH								

TINDALL GEOSERVICES INC.	PROPERTY: Giant Copper	PAGE 1 OF 19	HOLE NO: GCS95-5
PROJECT:	LOGGED BY: M. Tindall	DATE: 9/20/95	DEPTH: 616 Feet
LOCATION: AM Breccia	SURVEYED BY: Eric LaNeve	DATE: Oct 11/95	CORE SIZE: NQ2
CONTRACTOR: Olympic	DATE COLLARED: September 20, 1995		DATE COMPLETED: September 24/95

COORDINATES:		HOLE SURVEY							EQUIPMENT TYPES USED
NORTHING:	9136.51	DEPTH	0	200 ft	400 ft	600 ft			Longyear Super 38
EASTING:	9716.56	INCLINATION	-45°	-43°	-42°	-38.5°			
ELEVATION:	5565.13	AZIMUTH	270°						Acid Tests corrected for meniscus
METHOD:	Survey	INSTRUMENT	Brunton	Acid	Acid	Acid			

HOLE SUMMARY / COMMENTS

From	TO	Width	
381.7	383.8	2.1 ft	8.12 g/t Au, 7 g/t Ag in Semi-massive PX (Bedded?) in Andesite
471.8	557.8	86 ft.	0.41% Cu, 0.012% Mo, 0.313 g/t Au, 16.0 g/t Ag in Breccia
481.0	496.0	15 ft.	1.163% Cu, 0.020% Mo, 0.230 g/t Au, 42.0 g/t Ag.

TINDALL GEOSERVICES INC. PAGE 2 OF 19 HOLE NO. GC595-5

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
0	32		Casing									
32	1378		18 Tuff	32 - 78 Fault	93	95375	32	40	8	0.03	3	1550
			light grey or	Core very broken w strong limonite	95	376	40	48	8	.05	2	1450
			green, very fine	along fracts ; some 6 in -	90	377	48	56	8	.04	<1	760
			grained, massive	2 ft clay seams mined	93	378	56	63	7	<.03		290
			andesitic Tuff	Chloritic slicks @ 15° to	97	379	63	70	7	<.03	<1	385
				C.A.								
				- <1% py, PR as fine veinlets								
				+ dissemination ; trace cpy								
				- @ 47 finely laminated								
				bedding @ 40° to C.A.								
				- Tuff is kaolinized +								
				mdly silicified.								

TINDALL GEOSERVICES INC. PAGE 3 OF 19 HOLE NO. GCS 95-5

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec DEPTH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
				- Below 72 ft increasing	90	95386	70	78	8	<.03	<1	595
				tourmaline replacement as	93	381	78	85	7	<.03		245
				black spots (3-5mm) in	93	382	85	91.6	6.6	.03		805
				core	100	383	91.6	94.3	2.7	.03		1815
				- 91.6 - 94.3 approx 3-5%	95	384	94.3	102.0	7.7	<.03		265
				py as 1mm - 3cm veins &	74	385	102.0	110.0	8.0	<.03		215
				veinlets.	91	386	110.0	114.4	4.4	.12	<1	370
				- Below 94.3 qtz is weak								
				to non existant								
				- 94.3 - 128.8 Fracture Zone/Fault								
				Core broken - badly broken								
				w fracs @ 0°, 36° & 80° to								
				C.A.								

TINDALL GEOSERVICES INC. PAGE 4 OF 19 HOLE NO. GCS 95-5

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	ASSAYS Au g/t	ASSAYS Ag ppm	ASSAYS Cu ppm
				- Below 114.9 core becomes	61	95387	114.9	119.0	5.6	<.03	<1	325
				weakly - mdtly silicified w	82	388	119.0	125.0	6.0	.04		950
				increased Sulphides avg 2-3%	93	389	125.0	131.0	6.0	<.03		395
				po, py + minor cpy as fine	86	390	131.0	137.8	6.8	.05		410
				veinlets and fract. coating								
137.8	144.0		15 Quartzite	- clay altd upper contact	91	391	137.8	144.0	6.2	.04	<1	635
			White, fine gr,	broken lower contact								
			equigranular	- mdtly - strongly silicified								
			feldspathic arenite	w many 1"-2" clay seams								
			massive	- no Sulphide mineralization								
				noted								

TINDALL GEOSERVICES INC. PAGE 5 OF 19 HOLE NO. GCS95-5

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec CUM%	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
144.0	299.3		18 Tuff	- WKly - mdtly silicified	66	95392	144.0	153.0	9.0	.05	<1	325
			med grey or	W Some sections chloritic	100	393	153.0	160.0	7.0	.03		575
			green, fine grained	alta as 1-2mm selvadges	91	394	160.0	168.0	8.0	.03	<1	1500
			equigranular	along micro fracts @ all	100	395	168.0	176.0	8.0	1.41	10	1990
			andesitic tuff	angles to c.A,	77	396	176.0	184.5	8.5	.07	<1	1560
				- <1% py, py as fract	75	397	184.5	193.0	8.5	<.03	<1	185
				Coating, small blebs and	96	398	193.0	201.0	8.0	<.03	3	270
				fine disseminations, trace cpy								
				149.0 - 181.5 Fault zone								
				core broken to very badly								
				broken (gravel)								
				- Below 176 Silification								
				decreases, alta becomes weak								
				silification & WK - mdt								
				Chloritization, sulphides << 1%								

TINDALL GEOSERVICES INC. PAGE 6 OF 19 HOLE NO. GCS 95-5

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
				- @ 202.7 7" Semi massive	85	95399	201.0	209.5	8.5	<.03	<1	805
				py vein	91	400	209.5	216.0	7.5			70
				- Below 209.5 chlorite alt'n	97	401	216.0	224.0	8.0			125
				increases to strong w.	79	402	224.0	232.0	8.0			170
				Chloritic fracts @ 35°, 55°	93	403	232.0	240.0	8.0			125
				to C.A.	87	404	240.0	248.0	8.0	<.03		310
				- 233.5 - 240.2 Strong Fault	72	405	248.0	256.0	8.0	.03		565
				- core badly - v. badly	64	406	256.0	264.0	8.0	<.03		65
				broken (gravel)	69	407	269.0	272.0	8.0			165
				- Below 240.2 chlorite	96	408	271.0	280.0	8.0	<.03	<1	175
				alt'n weakens to mod								
				264.4 - 299.3 Strong Fault								
				- Core broken - very badly								
				broken w chloritic fracts								
				@ 0° & 20° to CA								

TINDALL GEOSERVICES INC. PAGE 7 OF 19 HOLE NO. GC595-5

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec Length	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
				- 280.0 - 299.3 core	72	95409	280.0	288.0	8.0	<.03	<1	90
				extremely broken (gravel)	47	410	288.0	296.0	8.0			90
				and strongly chloritized	80	411	296.0	299.3	3.3			105
299.3	316.4		12 Andesite	- Faulted upper contact	83	412	299.3	306.0	6.7			305
			fine - med. grained,	- weak - mdt chlorite	100	413	306.0	316.0	10.0	<.03	<1	250
			equigranular,	alteration original textures								
			massive, med	largely intact								
			green andesite	- << 1% py as fine								
			- Below 316.0	veinlets and filling gash								
			grades downward	fractures.								
			into fine grained									
			andesitic tuff									
			@ 316.4									

TINDALL GEOSERVICES INC. PAGE 8 OF 19 HOLE NO. GCS 95-5

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	Au g/t	Ag ppm	Cu ppm
316.9	340.7		1B Tuff	- gradational upper contact	104	95414	316.0	324.0	8.0	<.03	<1	230
			- lt-med grey	- weakly chloritized, mdrly -	101	415	324.0	332.0	8.0			250
			or green, v.f.gr	Strongly Silicified minor	100	416	332.0	340.7	8.7			240
			to aphanitic,	2-4mm spots and fine								
			massive andesitic	blk veinlets of blk tourmaline								
			tuff, some 3ft	- Variable pp, minor py								
			sections med grained	trace cpy as fine veinlets,								
			andesite	Small blebs and disseminations								
				Avg. Sulphide content 1-2%								
340.7	342		11 Diorite Dyke	- Sharp upper contact @ 40°	107	417	340.7	342	3.5	<.03	<1	35
			lt green-tan	to C.A. lower contact @ 20°								
			intensely argillized	to C.A. unmineralized								
			w 10% relict	- Strong biotite alt'n								
			intrusive textures	1 ft either side								
				of dyke								

TINDALL GEOSERVICES INC. PAGE 9 OF 19 HOLE NO. GCS95-5

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec BULK	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	ASSAYS Au g/t	ASSAYS Ag ppm	ASSAYS Cu ppm
344.2	368.2		12 Andesite	- mdtly - strongly chloritized	95	95-417	344.2	354.0	9.8	<.03	<1	35
			DK green - blk, porphyritic - weakly porphyritic w 10-20% 1mm - 4mm blk, subhedral pyroxene phenos in a fine grained mafic groundmass, Number and size of phenos decreases down hole	in groundmass porphyritic texture preserved. - unmineralized								
354.0	356.1		11 Diorite DYKE	- gradational upper contact	100	418	354.0	356.1	2.1			25
			As above	broken lower contact,	97	419	356.1	363.0	6.9			30
				unmineralized	76	420	363.0	368.2	5.2	<.03	<1	235

TINDALL GEOSERVICES INC. PAGE 10 OF 19 HOLE NO. GCS95-5

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm	Mo ppm
				363.5 - 422.1 Strong Fault									
				- Core broken to extremely									
				broken many sections green									
				chlorite and white clay									
				gouge									
368.2	383.8		Andesite Breccia	- Sheared upper contact @	96	95421	368.2	373.0	4.8	.57	2	600	65
			- Strong Breccia	25-30° to C.A.	93	422	373.0	377.0	4.0	<.03	1	855	30
			with Small	- fine diss py & po Strongly	81	423	377.0	381.7	4.7	.14	<1	280	165
			angular frags.	masked by clay alt'n									
			Intensely Chloritized	impossible to estimate Sulphide									
			andesite in a	Content but low, trace cpy									
			matrix of white										
			clay and green										
			Chlorite										

TINDALL GEOSERVICES INC. PAGE 11 OF 19 HOLE NO. GCS 95-5

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm	Mo ppm
				- 381.7 - 383.8 Semi-massive	97	95424	381.7	383.8	2.1	8.12	7	90	125
				pyrrhotite intense pd flooding									
				of matrix of bx approx									
				20-30% pd									
383.8	392.5		1 Quartzite Breccia	- Strongly altd upper contact.	95	425	383.8	388.0	4.2	.09	2	1005	
			White-buff colour,	- intensley clay altd matrix	96	426	388.0	392.5	4.5	.10	2	960	
			w 5mm - 5cm	& Strongly clay altd frags.									
			Subangular frags	- < 1% total sulphide									
			qtzite in a	as fine diss py & po,									
			matrix of intense	trace cpy									
			white clay alta.	- 6" diorite dyke along									
				lower contact @ 50° to									
				C.A.									

TINDALL GEOSERVICES INC. PAGE 12 OF 19 HOLE NO. GCS 95-5

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
392.5	422.1		1B Tuff	- strong clay alta ends @	96	95427	392.5	397.0	4.5	.04	<1	495
			lt green - red	392.5 core stir strongly	100	428	397.0	403.0	5.0	<.03	<1	195
			grey, v. f. gr.,	broken w/ many sections of	81	429	403.0	411.0	8.0	.05	2	560
			equigranular	gravel.; many fracts @ 40°, 65°	91	430	411.0	415.4	4.4	<.03	<1	185
			feldspathic tuff	- Very minor py, PR, cpy								
			Some sections	as fine disseminations &								
			v. similar to	veinlets								
			quartzite	- 401.1 relict bedding @								
				55° to C.A.								
				- Tuff is mostly very wkly								
				clay alt'd Some short sections								
				w 1-2mm blk tourmaline								
				spots								
				- 415.9 - 419.5 many v. fine	100	431	415.9	419.5	4.1			240
				brown spots prob. limonite	81	432	419.5	422.1	2.6	<.03	<1	270
				replacing py; may be Sphalerite								

TINDALL GEOSERVICES INC. PAGE 13 OF 19 HOLE NO. GCS 95-5

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec DUP/H	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	ASSAYS Au g/t	ASSAYS Ag ppm	ASSAYS Cu ppm
422.1												
*22.1	459.0		12 Andesite	- Broken upper contact	97	95433	422.1	429.0	6.9	<.03	<1	235
			Med green, fine	- most WKly - mdtly	102	434	429.0	438.0	9.0			30
			grained equigranular	Chloritized	96	435	438.0	447.3	9.7	<.03	<1	50
			approx 80% mafics	- << 1% fine diss. py +								
			20% plag,	po								
			Some sections	- Below 429 Andesite is								
			porphyritic w	porphyritic w gradually								
			1-3 mm, subhedral,	increasing chlorite alteration +								
			black pyroxene	biotite replacement of phenos								
			phenos in a	downhole								
			f gr mafic	- 447.3 - 468.8 Fault								
			groundmass	Core broken to very badly								
				broken weak chloritic shears								
				@ 30° to C.A.								

TINDALL GEOSERVICES INC. PAGE 14 OF 19 HOLE NO. GCS 95-5

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
				- Increasing py & apy @ 447.3	45	95436	447.3	455.0	7.7	<.03	<1	315
				avg content 2-3% as fine	97	437	455.0	459.0	4.0			1510
				disseminations								
				455.0 - 457.0 very strong								
				py & apy in fragmented quartzite								
				as disseminations surrounding								
				frags total sulphide content								
				6-8%								
459.0	467.0		18 Tuff	- Broken upper contact	70	438	459.0	467.0	8.0	<.03	<1	90
			light green-grey	- Trace diss py & apy								
			v. f. gr-aphanitic	- grades downward to								
			mixture 80% frags	massive white feldspathic (quartzite)								
			20% mafics,	tuff @ approx 467'								
			feldspathic tuffs									

TINDALL GEOSERVICES INC. PAGE 15 OF 19 HOLE NO. GCS95-5

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm	Mo ppm
467.0	476.6		15 Quartzite	- gradational upper contact	81	95439	467.0	471.8	5.8	.03	1	555	80
			massive, white,	- finely laminated bedding	100	440	471.8	476.6	4.8	.63	7	2455	35
			v. fine grained,	@ 469.5 ft @ 65° to C.A.									
			equigranular	- 471.5 ft fine laminated									
			feldspathic arenite	bedding @ 25° to C.A.									
				(Rotated v. large frags ?)									
				- approx 2% total sulphide									
				as small blebs cpy, po, + py									
476.6	557.8		1 Quartzite Breccia	- weak Breccia at top of	102	441	476.6	481.0	4.4	.06	5	1540	55
			- large (2 cm - 15cm)	section with degree of	98	442	481.0	486.0	5.0	.25	56	13665	65
			angular, frags	brecciation, tourmaline replacement	97	443	486.0	491.0	5.0	.35	54	16485	175
			white grazite in	and amount of sulphide increasing	103	444	491.0	496.0	5.0	.09	16	4745	365
			a fine gr matrix	downhole	100	445	496.0	501.0	5.0	.03	5	1710	15
			of ground, white	- Extremely variable cpy, po, py									
			grazite & blk	as blebs & clots in matrix of blk									
			tourmaline	cpy is dominant sulphide									

TINDALL GEOSERVICES INC. PAGE 16 OF 19 HOLE NO. GCS 95 - 5

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm	Mo ppm
				- @ 501.0 abrupt increase	83	95446	501.0	506.0	5.0	.10	2	1185	870
				in degree of brecciation w	100	447	506.0	511.0	5.0	.06	4	1730	110
				mdt - strong tourmaline replacement	97	448	511.0	517.0	6.0	.10	20	7035	75
				of frags + flooding in matrix									
				w Extremely variable cpy									
				to 4-5% over short sections									
				approx 1% combined pb and py									
				- @ 517.0 Total sulphide	90	449	517.0	522.0	5.0	2.96	3	325	50
				content jumps to approx 5-7%	93	450	522.0	527.0	5.0	.25	15	1805	45
				py, pb, Aspy dominant with	100	451	527.0	532.0	5.0	.60	9	1050	30
				0.5-2% cpy possibly some	85	452	532.0	536.9	4.9	.19	16	3695	20
				Sphalerite all as large	96	453	536.9	541.0	4.9	.04	5	940	25
				clots and matrix filling									
				- Some 1-3 ft sections w									
				up to 10% Aspy									

TINDALL GEOSERVICES INC. PAGE 17 OF 19 HOLE NO. GCS 95-5

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm	Mo ppm
				- 541.8 - 544.7 matrix of 6x	100	95454	541.8	544.7	3.3	.09	10	1550	75
				is semi massive sulphides	99	455	544.7	550.0	5.3	.11	7	2015	60
				total sulphides approx 20-25%	100	456	550.0	555.0	5.0	.08	25	5385	50
				fine intergrowth of py w	96	457	555.0	557.8	2.8	.03	28	6755	40
				lesser pb and Aspy very									
				much less cpy									
				- Below 544.7 sulphide content									
				drops to an avg of 4-6%									
				total sulphides py is dominant									
				- 555.5 - 563.6 Str Ag Fault									
				- Core Broken to extremely broken									
				w strong Serici'te clay alter.									
				tourmaline replacement drops									
				abruptly @ 557.8 to very									
				weak									

TINDALL GEOSERVICES INC. PAGE 18 OF 19 HOLE NO. GES 95-5

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	ASSAYS Au g/t	ASSAYS Ag ppm	ASSAYS Cu ppm
557.8	580.1		15 Quartzite	- varying weak to strong alteration	93	95458	557.8	566.0	8.2	<.03	<1	290
			White, waxy	Sericite - clay, or silicification	93	459	566.0	573.4	7.4			155
			fine grained	Sericite-clay alteration probably	96	460	573.4	580.1	6.7			150
			feldspathic	result of shearing, and is								
			arenite (tuff)	later than silicification								
				- <1% total sulphides								
				as small blebs py & minor								
				po								
				- minor tourmaline as								
				1-3 mm black spots								
580.1	595.1		12 Andesite	- sharp, weakly hornfelsed	91	461	580.1	588.0	7.9			85
			Fine grained	upper contact @ 30° to C.A.	98	462	588.0	595.6	7.6	<.03	<1	60
			equigranular, dk	- WKly chloritized to								
			green mixture 70%	unaltd								
			mafics 30% plag.	- <1% po along fracts								

TINDALL GEOSERVICES INC. PAGE 19 OF 19 HOLE NO. GC595-5

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
595.1	616		18 Tuff	- Broken upper contact	109	95463	595.6	602.0	6.4	.04	<1	135
			v. f. gr, equigranular	- most mostly silicified/	92	464	602.0	610.8	8.8	<.03		85
			to aphanitic,	hornfelsed some almost	85	465	610.8	616.0	5.2	<.03	<1	145
			light grey or green	unaltered								
			mafic tuff;	- <1% fine diss py								
			some 3 ft	along fracts								
			sections fine	- 610.8 - 616.0 strong hornfels								
			grained, equigranular	core very glassy approx								
			andesite with	2-3% py as fine disseminations								
			gradational contacts	along bedding; finely								
			with tuff	laminated bedding @ 80-85°								
				to C.A.								
				616 feet EOH								

TINDALL GEOSERVICES INC.	PROPERTY: Giant Copper	PAGE 1 OF 11	HOLE NO: GCS 95-4
PROJECT:	LOGGED BY: M. Tindall	DATE: 9/18/95	DEPTH: 330.5 feet
LOCATION: AM Breccia	SURVEYED BY: Eric LeNeve	DATE: Oct 11/95	CORE SIZE: NQ2
CONTRACTOR: Olympic	DATE COLLARED: 9/16/95		DATE COMPLETED: 9/19/95

COORDINATES:		HOLE SURVEY		EQUIPMENT TYPES USED
NORTHING:	9027.82	DEPTH	0 ft	Longyear Super 38
EASTING:	9725.66	INCLINATION	-45°	
ELEVATION:	5564.91	AZIMUTH	270°	
METHOD:	Survey	INSTRUMENT	Brunton	

HOLE SUMMARY / COMMENTS

- An attempt was made to cement strong fault gouge @ 330.5 but hole lost @ 330.5 feet.
- Casing left in hole
- No mineralized intersections of note

TINDALL GEOSERVICES INC. PAGE 2 OF 11 HOLE NO. GC595-4

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec Bulk	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
0	33		Casing									
33	125.5		18 Tuff	- v. strongly silicified	81	95331	33	41	8	<.01	<1	130
			med grey-green,	and hornfelsed w 50-90%	92	332	41	51	10			105
			v. fine grained,	of original textures destroyed	96	333	51	61	10			155
			equigranular	relict chlorite in less	84	334	61	71	10			185
			andesitic Tuff.	silicified sections	98	335	71	81	10	<.01	<1	190
				- variable py, po w								
				trace sphalerite as fine								
				fracture coating & small blebs								
				avg sulphide content approx								
				1-2%								
				- Top of hole heavily								
				fractd/weathered w strong								
				limonite stain on fracts.								

TINDALL GEOSERVICES INC. PAGE 3 OF 11 HOLE NO. GCS 95-4

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Recovery	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	ASSAYS Au g/t	ASSAYS Ag ppm	ASSAYS Cu ppm
				- @ 85.6 2" sphalerite-py								
				vein.								
				- Below 88 alt'n weakens	93	95336	81	91	10	<.01	<.1	280
				rapidly down hole chlorite	92	337	91	101	10			350
				alt'n more common than	102	338	101	111	10			280
				silification some sections	102	339	111	116.7	7.7			60
				very wkly alt'd. Contorted	100	340	118.7	125.5	6.8	<.01	<1	75
				relict bedding as bands of								
				chlorite variable py & cpy								
				< 1%; trace cpy								
			12									
125.5	141.7		Andesite	- Sharp broken contact @								
			- Fine-med gr.	approx. 50° to C.A.								
			equigranular, med-	- slightly coarser grained								
			dk green massive	than tuff up hole								
			80% mafics 20% white									
			plag									

TINDALL GEOSERVICES INC. PAGE 4 OF 11 HOLE NO. GCS95-4

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec BULGH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
				- Some sections hornfelsed w many fine fracts & all angles to c.a. & strong chlorite alta								
				- Variable py, po mineralization as fine veinlets, dissemination & matrix replacement of 4-10 inch andesite some sections w up to 20% sulphides replacing matrix avg total sulphide content 1-2%								
				- 125.5 - 129.6 Strong po, py, SPH. cpy replacement of matrix,	100	95341	125.5	128.7	3.2	<.01	<1	175
				approx 20% total sulphide	95	342	128.7	136.0	7.3			50
					87	343	136.0	141.7	6.7	<.01	<1	80

TINDALL GEOSERVICES INC. PAGE 5 OF 11 HOLE NO. GCS85-4

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec Sulph	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
191.7	220.0		1B Tuff	- Sharp upper contact @	100	95344	191.7	197.4	5.7	<.01	<1	100
			red grey, v.f. gr	60° to C.A.	100	395	197.4	152.2	4.8			45
			to aphanitic	- Tuff is mdly to	100	396	152.2	156.4	4.2			45
			w occasional 0.5-2"	strongly silicified w glossy								
			argillaceous beds	lustre								
			@ 65° to C.A.	- Variable py-apy as fine								
				disseminations & replacement								
				of irregular masses and								
				fine beds avg total								
				Sulphide 2-3%								
				- 156.4 - 159.3 very strong	100	397	156.4	159.3	2.9	<.01	<1	125
				py, apy replacement as								
				extremely fine grains invading								
				matrix of tuff approx								
				10-15% total Sulphide								

TINDALL GEOSERVICES INC. PAGE 6 OF 11 HOLE NO. GCS 95-4

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
				- Below 174.3 chlorite	97	95348	159.3	166.0	6.7	<.01	<1	45
				alt'n intensifies to strong	97	349	166.0	174.3	8.3			65
				increased pp + py as fine		350	174.3	179.5	5.2			135
				veinlets and disseminations								
				avg sulphide content 3-4%								
				- Below 179.5 chlorite alt'n	97	351	179.5	186.0	6.5			70
				is weak tuff only wkly alt'd	100	352	186.0	192.4	6.4			90
				w short 6-12" strong chlorite	100	353	192.4	197.2	4.8			75
				alt'n + pp py replacement;								
				avg pp + py is 2-3% as								
				fine veins, blebs + disseminations								
				- @ 197.2 abrupt change to	97	354	197.2	209.7	7.5	<.01	<1	215
				v. strong chlorite alt'n variable								
				pp py as fine veinlets, blebs,								
				disseminations avg content 3-5%								

TINDALL GEOSERVICES INC. PAGE 7 OF 11 HOLE NO. GCS 95-4

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec CULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
				197.2 - 220.0 Fracture Zone	90	95355	204.7	210.9	6.2	<.01	<1	165
				core broken - badly broken	96	356	210.9	217.0	6.1			290
				w chloritic fracts @ 0°, 45°	96	357	217.0	220.0	3.0			520
				& 60° to C.A.								
220.0	242.2		12 Andesite	- Broken upper contact								
			- dk grey-green,	- weak - mdt chlorite alta	100	358	220.0	226.0	6.0			155
			fine - med grained	- variable pda py as fine	100	359	226.0	236.0	10.0			75
			equigranular	veinlets avg < 1%, trace	98	360	236.0	242.2	6.2	<.01	<1	220
			mixture 70%	cpy								
			mafics 30% plag									
			-Some WKly									
			porphyritic w 10%									
			1-3mm subhedral									
			White plag phenos									
			in fgr mafic									
			groundmass									

TINDALL GEOSERVICES INC. PAGE 8 OF 11 HOLE NO. GCS 95-4

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	ASSAYS Au g/t	ASSAYS Ag ppm	ASSAYS Cu ppm
242.2	251.3		18 Tuff	- Sharp upper contact @	100	95361	242.2	251.3	9.1	<.01	<1	220
			v. f. gr,	approx 50° to C.A.								
			equigranular	- mdt chlorite alta +								
			med grey andesitic	silica flooding								
			Tuff	- variable pp, py as fine								
				veinlets trace cpy aug								
				total sulphide content approx.								
				1-2%								
251.3	285.3		12 Andesite	- Broken upper contact	98	95362	251.3	257.2	5.9			455
			med. grey-green,	- wk - mdt chlorite alta +	95	363	257.2	263.8	6.6			485
			fine gr equigranular	silica flooding which partially	100	364	263.8	270.0	6.2			35
			Some wkly porphyritic	obscures original textures	96	365	270.0	278.0	8.0			15
			w 5-10% white	- variable pp + py w minor	93	366	278.0	285.3	7.3	<.01	<1	185
			1-3 mm subhedral	cpy as v. fine disseminations								
			plag phenos in a	+ fract coating aug sulphide								
			f. gr. matic groundmass	content < 1%								

TINDALL GEOSERVICES INC. PAGE 9 OF 11 HOLE NO. GCS 95-4

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% REC	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	ASSAYS Au g/t	ASSAYS Ag ppm	ASSAYS Cu ppm
				- 275.7 - 289.2 Fracture zone	93							
				Core mostly broken w WKly chloritized fracts @ 60° to C.A.								
285.2	295.5		Tuff	- Broken upper contact	97	95367	285.3	292.0	6.7	<.01	<1	115
			white; med green	- WKly - mdly chloritized	97	368	292.0	299.0	7.0			115
			or med grey,	mostly as fine alta	100	369	299.0	306.0	7.0	<.01	<1	80
			v. f. gr, equigranular,	selvadges along very fine								
			alternating sections	healed fracts. Some sects. WKly Silicified								
			feldspathic and	- Variable py + po as v. fine								
			mafic tuff	veinlets avg sulphide								
				content < 1%; trace MSPy								
				- Some bedding as fine								
				laminations @ 25° to								
				C.A.								

TINDALL GEOSERVICES INC. PAGE 10 OF 11 HOLE NO. GCS95-9

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec CORE	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	ASSAYS Au g/t	ASSAYS Ag ppm	ASSAYS Cu ppm
295.5	323.9		Andesite	- Broken upper contact,	100	95370	306.0	313.0	7.0	<.01	<1	210
			- same as	- wkly-mdtly chloritized	95	371	313.0	320.3	7.3			220
			above	some 6"-1ft sections mdtly	100	372	320.3	323.9	3.6	<.01	<1	225
				silicified								
				- variable py, py trace								
				Aspy as fine veinlets and								
				weak replacement of andesite								
				matrix; avg sulfide								
				content < 1%								
				308.6 - 313.0 Fracture zone/fault								
				Core mdtly - strongly broken								
				heavily chloritized								
				- 320.3 - 330.5 Strong Fault								
				Core intensely altered to clay								
				Mush								

TINDALL GEOSERVICES INC. PAGE 11 OF 11 HOLE NO. GCS95-4

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec DUPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
323.9	330.5		Quartzite	- Intensely clay altered	100	95373	323.9	326.0	2.1	<.01	<1	385
			light grey -	upper contact	100	374	326.0	330.5	4.5	<.01	<1	240
			White intensely	- All w. intense white								
			clay altered	argillic alteration impossible								
			all original	to determine sulphide								
			textures destroyed	content if any								
			rock determined									
			by White colour									
				Hole lost @ 330.5 in								
				Intense Fault gouge								
				Casing left in hole								

TINDALL GEOSERVICES INC.	PROPERTY: GIANT COPPER	PAGE 1 OF 29	HOLE NO: GCS 95-3
PROJECT:	LOGGED BY: M. Tindall DATE: 9/11/95		DEPTH: 781 Feet
LOCATION: AM BRECCIA	SURVEYED BY: Eric LeNeve DATE: Oct 11/95		CORE SIZE: NQ2
CONTRACTOR: Olympic	DATE COLLARED: 9/10/95		DATE COMPLETED: Sept. 15, 1995

COORDINATES:

NORTHING:	9649.65
EASTING:	9651.91
ELEVATION:	5641.44
METHOD:	Survey

HOLE SURVEY

DEPTH	0	200'	500'	700'			
INCLINATION	-45°	-42°	-40°	-42°			
AZIMUTH	270°	270	270	270			
INSTRUMENT	Brunton	Acid	Acid	Acid			

EQUIPMENT TYPES USED

Longyear Super 38

Acid Tests Corrected for Meniscus

HOLE SUMMARY / COMMENTS

- Entire hole very fractured and broken many sections of strong faulting with clay seams.

From	TO	width	
156.0	276.0	120 ft	0.383% Cu, 0.043% Mo, 0.364 g/t Au, 11.33 g/t Ag in Andesite Tuff & Bx
308.4	456.0	147.6 ft	0.360% Cu, low gold, 8.60 g/t Ag in Andesite and Feldspathic Tuff.
562.0	616.0	54.0 ft	0.161% Cu, low gold, 5.30 g/t Ag in Breccia
616.0	644.8	28.8 ft	0.998% Cu, 0.584 g/t Au, 34.69 g/t Ag in Breccia

TINDALL GEOSERVICES INC. PAGE 2 OF 29 HOLE NO. GC595-3

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
0	20		Casing									
20	52.8		10 Pyroxenite: Dk. green, Porphyritic w 1-3mm, blk, Subhedral pyroxene phenos in a dk green, fine grained, mafic groundmass	- Weak chlorite alt'n in groundmass, unmineralized Strong limonite stain on weathering fractures, mdt-Strong clay alt'n along some fracts - 46.5 - 60.0 Strong Fracture zone; Core broken w limonitic fracts @ all angles to C.A.	100 100 100 100	95190 191 192 193	20 30 40 46	30 40 46 52.8	10.0 10.0 6.0 6.8	<.010 <.005 <.005	<1 <1	740 1260 1170 730

TINDALL GEOSERVICES INC. PAGE 3 OF 29 HOLE NO. GCS 95-3

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
52.8	62.0		12 Andesite	- Broken upper contact	98	95194	52.8	58.5	5.7	<.005	<1	205
			med. - dk green	WKly Chloritized unmineralized	97	195	58.5	64.0	5.5			685
			fine gr., equi-	- Below 58.5 increasing	100	196	64.0	69.0	5.0	<.005		905
			granular, massive	alta down hole, mdtly	100	197	69.0	75.1	6.1	.010	<1	760
			Andesite	Chloritized, many fine								
				limonite healed fracts @								
				all angles to C.A.								
				- gradually increasing Sulphide								
				Content downhole from 58.5,								
				predominantly py, w minor sphal, gal								
				Aug. total Sulphide <1%								
				trace gal, Aspy & Cpy								

TINDALL GEOSERVICES INC. PAGE 4 OF 29 HOLE NO. GCS 95-3

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Arc Bulk	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
				@ 75.1 Core becomes WKly-	100	95198	75.1	80.0	4.9	.025	<1	766
				mdtly sicfd w glassy,	98	199	80.0	86.3	6.3	<.005		350
				aphanitic texture; alternating	100	200	86.3	91.3	5.0	<.005	<1	490
				WKly - mdtly sicfd sections	100	201	91.3	95.0	3.7	<.005	<1	635
				Sulphide content increases	100	202	95.0	102.0	7.0			585
				to 1-2% py & sphalerite								
				w. minor Po, Cpy & Aspy								
				- Some sections alta is								
				mdt - strong chloritization								
102.0	116.8		10 Pyroxenite	- Broken upper contact		203	102.0	111.3	9.3	<.005	<1	170
			dk grey, WKly	- WKly Chloritized, mostly								
			porphyritic w	unaltd. & nonmineralized								
			~5% 1-3mm									
			blk, subhedral									
			Pyroxene phenos									

TINDALL GEOSERVICES INC. PAGE 5 OF 29 HOLE NO. GCS95-3

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec BULEM	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
			in a f. gr,	- 111.3 - 116.8 Strong Fracture	93	95204	111.3	116.8	5.5	<.005	<1	350
			mafic groundmass	Zone / Fault Core broken -								
				badly broken w strong limonite								
				on fracts @ all angles to								
				C.A. Short 6" to 18"								
				clay seams.								
116.8	160.9		12/18 Andesite / Tuff	- Broken upper contact	100	205	116.8	123.0	5.2			380
			- dk green-grey,	- unaltd - wkly sicfd.	100	206	123.0	129.0	7.0			380
			f. gr equigranular,	w widely scattered, fine	100	207	129.0	136.0	5.0	<.005	<1	430
			massive	fracts @ all angles to	83	208	136.0	140.3	4.3	.865	7	3090
				C.A. <1% py on fracts +								
				as v. fine diss. minor								
				pb + cpy in fracts and as								
				small blebs								

TINDALL GEOSERVICES INC. PAGE 6 OF 29 HOLE NO. GCS 95-3

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec SUMM	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm	Mo ppm
				137.1 - 161.2 Strong Fracture/	70	95209	140.3	146.0	5.7	.015	1	835	
				Fault Zone ; core broken -	97	210	146.0	151.0	5.0	.330	1	395	
				badly broken w strong	78	211	151.0	156.0	5.0	.025	1	505	
				limonite on fracs @ all	97	212	156.0	160.9	4.9	.080	2	2740	<5
				angles to C.A. ; No apparent									
				Shearing.									
				- @ 140.3 andesite becomes									
				mostly silcfd w ~~pyrite~~ Aspy									
				on fracs sulphide content									
				not estimated due to masking									
				by strong limonite ; increasing									
				silicification + tourmaline									
				veining downhole w py,									
				Aspy veinlets @ 136.6 to 29									
				- 4" Tourmaline-Aspy vein @ 149.3									

TINDALL GEOSERVICES INC. PAGE 7 OF 29 HOLE NO. GCS 95-3

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec BOCPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm	Mo ppm
				-@ 161.2 strong fracturing									
				ends; core remains wkly -									
				mdtly fractd to 186.2									
160.9	188.9		16 Fractured Quartzite	- Broken upper contact	103	95213	160.9	166.0	5.1	.180	7	3020	5
			buff - white - lt.	- mdtly - strongly fracd -	101	214	166.0	171.0	5.0	.260	2	825	<5
			green fine grained	wkly brecciated qtzite w	92	215	171.0	176.0	5.0	.095	4	2470	<5
			equigranular qtzite	fine fracts @ all angles to	100	216	176.0	181.0	5.0	.025	8	1375	20
			~ 10% shear	C.A.; mdt - strong silicification	100	217	181.0	185.0	4.0	.050	4	2060	10
			6" - 12" sections	w/ black tourmaline as fine veins	100	218	185.0	189.0	4.0	.125	15	4320	665
			green andesite near	& irreg. masses.									
			upper contact.	- variable py, po, aspy, cpy									
				content as fine veinlets,									
				blebs & very fine disseminations									
				avg sulphide content 1-3%;									

TINDALL GEOSERVICES INC. PAGE 8 OF 21 HOLE NO. GCS95-3

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec BULBY	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm	Mo ppm
1889	2395		12 Andesite	- Sharp upper contact @	100	95219	189.0	192.0	3.0	2.31	86	24300	4360
			dk green, fine	40° to C.A.	100	220	192.0	196.6	4.6	.155	24	7180	450
			grained equigranular	- 189.0 - 190.2 massive									
			massive	py - Aspy vein									
				- Andesite is mdly									
				Chloritized & mdly - strongly									
				Saussuritized w lt green									
				Spherucules of Sericite & cpy									
				- Strong py cpy 189.0 - 196.6									
				as veins & Semi-massive clots									
				in matrix of andesite; Not bxd!									
				avg Sulphide content ~ 7-10%									
				- @ 196.6 abrupt decrease in									
				alth & mineralization; andesite									
				wkly chloritized w 1-2%									

TINDALL GEOSERVICES INC. PAGE 9 OF 29 HOLE NO. GES 95-3

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec DEPTH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm	Mo ppm
				py ± cpy in scattered	100	95221	196.6	202.0	5.4	.015	1	975	<5
				fine fracts.	100	222	202.0	208.3	6.3	<.005	<1	585	<5
				- Below 208.3 alteration									
				increases rapidly downhole to									
				intense clay · chlorite q/tz									
				Some core bleached white;									
				short sections beiger green									
				talc q/tz ; many 1-6"									
				sections w. Strong Sphalerite,									
				py, cpy mineralization as									
				laugr clots and veins inter-									
				mixed w 1-3 ft sections w									
				1-2% total sulphides as blebs									
				± fine veins. minor 6-12"									
				sections brkd.									

TINDALL GEOSERVICES INC. PAGE 10 OF 29 HOLE NO. GC>95-3

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm	Mo ppm
				@ 208.7 5" mass. Sph.-	97	95223	208.3	211.6	3.3	.160	20	7770	150
				Cpy vein	98	224	211.6	216.5	4.9	.505	20	2830	453
					100	225	216.5	221.5	5.0	.360	16	4230	615
					100	226	221.5	226.7	5.2	.360	17	3920	1645
					97	227	226.7	232.3	5.6	<.005	<1	240	<5
					95	228	232.3	238.5	6.2	1.590	13	1570	850
238.5	252.5		1. Quartzite Breccia	- Sharp upper contact @	100	229	238.5	246.0	7.5	.055	6	2270	1145
			large (10cm - 30cm)	90° to C.A.	95	230	246.0	252.5	6.5	.210	22	9290	710
			white - lt green,	- Strong - intense lt green									
			angular, frags	Sericite clay alt'n in frags									
			qtzite in a blk	& matrix									
			tourmaline rich	- extremely variable py, cpy,									
			matrix	as veinlets blebs & large clots									
				minor pb & Sphalerite									

TINDALL GEOSERVICES INC. PAGE 11 OF 29 HOLE NO. GCS 95-3

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm	Mo
253.5	308.4		15 Quartzite (Altered Tuff?)	- Irregular upper Contact	100	95231	253.5	256.7	4.1	.135	6	2240	20
			white, fine gr.	- Strong - intense lt green	100	232	256.7	260.5	3.8	.355	9	4460	15
			equigranular	Sericite - clay alta, few	97	233	260.5	264.6	4.1	.140	12	7050	20
			feldspathic sandstone	1-2 ft Sections bxd w	100	234	264.6	270.3	5.7	1.930	11	4960	35
				b/k tourmaline matrix	100	235	270.3	276.0	5.7	.040	4	2260	35
				- Variable py, cpy most	90	236	276.0	281.0	5.0	.020	3	1890	
				as Veinlets & blebs, in	93	237	281.0	286.0	5.0	<.005	2	1300	
				bxd Sections large blebs	100	238	286.0	291.0	5.0		1	870	
				& Core aug total	100	239	291.0	296.0	5.0		<1	285	
				Sulphide 1-2%	93	240	296.0	301.0	5.0	<.005	<1	80	
				- Core fracts & broken	100	241	301.0	306.0	5.0			315	
				268 - 271 minor malachite		242	306.0	308.4	2.4	<.005	<1	295	
				on fracts									
				- 291.4 - 297.5 bright blue									
				azurite/malachite stain in									
				clay gouge (maripositE?)									

TINDALL GEOSERVICES INC. PAGE 12 OF 29 HOLE NO. GCS 95-3

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec CORE	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	ASSAYS Au g/t	ASSAYS Ag ppm	ASSAYS Cu ppm
308.4	380.6		12 Andesite	- gradational upper contact	86	95243	308.4	314.4	6.0	.035	18	8570
			lt-dk green-blk	over 4"	100	244	314.4	319.2	4.8	.020	4	2060
			fine grained equi-	- mdtly chloritized, mdtly-	90	245	319.2	324.7	5.5	.030	3	2295
			granular, massive	Strongly silicified	98	246	324.7	330.3	5.6	<.03	2	1650
			mixture mafics +	- extremely variable pp, py	94	247	330.3	336.0	5.7	<.03	14	4025
			feldspar	cpy as veinlets, blebs	100	248	336.0	342.3	6.3	<.03	7	2345
				clots and fine disseminations	100	249	342.3	348.1	5.8	.07	28	10920
				scattered 6" sections	98	250	348.1	353.4	5.3	.03	20	7105
				brecciated; most of core is massive	100	251	353.4	357.1	3.7	.10	45	16170
				- Variable tourmaline	94	252	357.1	362.4	5.3	.05	3	1480
				replacement between weak	100	253	362.4	367.4	5.0	<.03	30	9625
				and strong	97	254	367.4	374.7	7.3		12	3920
				- 342.3 - 351.2 Fault	97	255	374.7	380.6	5.9	<.03	4	1980
				Core badly broken, extreme								
				clay gouge, very limonitic								

TINDALL GEOSERVICES INC. PAGE 13 OF 29 HOLE NO. GCS 95-3

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec Sulph	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
380.6	409.4		15 Quartzite	- Sharp but broken upper	100	95 256	380.6	387.0	6.4	<.03	1	700
			White - lt green	contact	93	257	387.6	396.0	9.0	<.03	1	1135
			- lilac, med gr.,	^ mdt - strong argillic								
			equigranular	alty w sections mdtly -								
			feldspathic sandstone	strongly silicified giving								
			massive	lt purple colour & glassy								
				appearance. Some sections								
				(6" - 1.5') w mdt - strong,								
				blk tourmaline replacement,								
				a few 6" - 12" sections								
				bxd.								
				- variable py + cp as								
				fine veinlets and small blebs								
				trace cpy avg. total								
				Sulphide < 1%								

TINDALL GEOSERVICES INC. PAGE 14 OF 29 HOLE NO. GCS 95-3

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	ASSAYS Au g/t	ASSAYS Ag ppm	ASSAYS Cu ppm
				390.0 - 398.3 Fault core	83	95258	396.0	402.0	6.0	<.03	2	1025
				broken - badly broken strongly	95	259	402.0	405.8	3.8		1	595
				argillized								
				- 403.3 - 405.0 clay seam w								
				~ 30% Grigar green talc								
				(mariposite ?)								
				- below 405.8 alteration	100	260	405.8	409.4	3.6		8	5070
				increases rapidly to intense	100	261	409.4	414.3	3.9		14	4920
				clay + silicification w sections	100	262	414.3	417.2	2.9	<.03	5	2590
				of strong tourmaline replacement								
				Short (<1ft) sections brxd								
				rapidly increasing sulphide								
				content w py > po > cpy as								
				veinlets, blebs & irregular clots								

TINDALL GEOSERVICES INC. PAGE 15 OF 29 HOLE NO. GCS 95-3

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	ASSAYS Au g/t	ASSAYS Ag ppm	ASSAYS Cu ppm
407.4	417.2		12 Andesite	- Intense clay - Sericite								
			dk green, olive	- chlorite alteration w/								
			green, black	Strong blk tourmaline replacement								
			intensely altd.	- Variable py, Pb cpy as								
				blebs & clots aug surficial								
				Content 4-5%								
417.2	421.9		11 Altered Diorite?	- Irregular upper contact	100	952563	417.2	421.9	4.7	<.03	<1	930
			med grey, aphanitic	Sharp lower contact @ 60° to								
			intensely silicified	C.A. Intense silica flooding								
			w/ a few relict white	original textures 90% destroyed								
			1-2mm euhedral	- 1-2% combined Pb, Py,								
			plag phenos.	Cpy as v. fine veinlets								
				along fine fracys								

TINDALL GEOSERVICES INC. PAGE 16 OF 29 HOLE NO. GCS 95-3

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec.	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
421.9	466.5		12 Andesite	- Variable alt'n from	100	95264	421.9	427.8	5.9	<.03	<1	1020
			DK green,	WK chlorite to strong	100	265	427.8	433.0	5.2	<.03	6	7660
			f. gr. equigranular,	silification most notly -	100	266	433.0	438.8	5.8	.03	2	1830
			massive	Strongly chloritized & Silicified	100	267	438.8	445.0	6.2	<.03	1	1720
				Some sheet 1-3 ft breccia	98	268	445.0	450.0	5.0	.03	1	1530
				minor relict bedding	100	269	450.0	456.0	6.0	.04	16	4070
				- variable py, apy, cpy	100	270	456.0	461.3	5.3	<.03	<1	360
				as blebs, stringers & small	100	271	461.3	466.5	5.2	<.03	<1	575
				clots avg sulphide content								
				2-4% ; minor sphalerite								
				- relict finely laminated								
				bedding 50° to c.A @ 439.0								

TINDALL GEOSERVICES INC. PAGE 17 OF 29 HOLE NO. GCS 95-3

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
466.5	488.0		1 Quartzite Breccia	- Sharp upper contact @	97	95272	466.5	471.0	4.5	.09	2	1020
			White - Black	30° to C.A.		273	471.0	476.0	5.0	<.03	<1	320
			large angular,	- most strongly bxd w		274	476.0	481.0	5.0	<.03	<1	265
			frags qtzite in	strong to intense replacement		275	481.0	486.0	5.0	.05	4	2625
			a lt grey-green	of qtzite frags by blk		276	486.0	488.0	2.0	<.03	<1	45
			matrix of chlorite,	tourmaline								
			Sericite & clay	- variable po, Py, cpy								
			many frags black	as blebs & small clots								
			due to heavy	in matrix avg total								
			Tourmaline	Sulphide 1-3%, trace								
			replacement	malachite								
				- 476.2 - 486.3 Fault								
				Core broken md-bly - strongly								
				argillized								

TINDALL GEOSERVICES INC. PAGE 18 OF 29 HOLE NO. GCS 95-3

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec SULPH	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	ASSAYS Au g/t	ASSAYS Ag ppm	ASSAYS Cu ppm
488.0	491.0		Diorite	- broken upper contact	100	95277	488.0	495.8	7.8	2.05	<1	20
			White, fine-	- V. WKly argillized								
			med gr equigran.	unmineralized								
			w ~ 80% plag	- Brecciated lower contact								
			& 20% blk mafics									
491.0	494.3		Aplite Dyke	- Irregular lower contact @ ~								
			lt green,	60° to C.A. unaltered								
			aphanitic 75%	unmineralized								
			plagioclase dyke									
494.3	495.8		Diorite	- Broken lower contact								
			as above									

TINDALL GEOSERVICES INC. PAGE 19 OF 29 HOLE NO. GCS95-3

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
495.8	530.0		2 Argillite Breccia	- Broken upper contact	97	95278	495.8	501.0	5.2	.23	<1	25
			Large, Angular	- Some sect strongly silicified	98	279	501.0	506.0	5.0	.05		155
			fragments of	many open spaces w	84	280	506.0	511.0	5.0	<.03		10
			Black argillite	1-3mm euhedral grz +	96	281	511	516	5.0	<.03	<1	385
			in a fine gr.	0.5mm euhedral Aspy xtals	71	282	516	521	5.0	<.03	1	20
			matrix of grz +	- Extremely variable sulphide	67	283	521	526	5.0	.06	<1	10
			v. fine argillite	predominately Aspy to 7-8%	93	284	526.0	530.0	4.0	.30	<1	5
			particles, few	Avg Sulphide content 1-3%								
			scattered, large	- 506.3 - 508.4 Intense								
			angular frags	clay alt'n w ~ 30-40%								
			of white grzite	bright green Talc!								
			all frags.	508.4 - 528.0 Strong Fault								
			rotated & chaotic	Intensely broken 90% Black								
				Sand - pebble sized particles								

TINDALL GEOSERVICES INC. PAGE 20 OF 29 HOLE NO. GCS95-3

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	%	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	ASSAYS Au g/t	ASSAYS Ag ppm	ASSAYS Cu ppm
530.0	532.5		Aplite Dyke	- Sharp upper contact @	100	95285	530.0	532.5	2.5	4.03	3	670
			white - cream	30° to C.A. Approx 2%		286	532.5	539.4	6.9	.05	<1	1440
			wkly porphyritic	pp as large rounded blebs								
			w 0.5mm white	- diffuse lower contact @ ~10°								
			plag phenos in an	to C.A.								
			aphanitic plag									
			groundmass									
			12									
532.5	539.4		Andesite	- Approx 1-2% total pp + py								
			V. f. gr. dk green	as fine veinlets and fine								
			massive andesite	disseminations; vlcly wkly silcfd.								
				- Sharp lower contact @ 50°								
				to C.A.								

TINDALL GEOSERVICES INC. PAGE 21 OF 29 HOLE NO. GCS 95-3

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
5394	5593		15 Quartzite	- Sharp upper contact @	100	95287	5394	5460	5.6	.03	3	1160
			White, finely	65° to C.A.	93	288	5460	5520	6.0	<.03	2	1075
			laminated w ~	- Weak - mdt clay alteration	85	289	5520	5593	7.3		5	965
			5-10% blk argillite	- variable py as fine veinlets								
			beds, bedding avg	and disseminations avg								
			is ~ 0.5-1cm	<1%								
			thick bedding	5516 - 561.5 Strong Fault								
			@ 65° to C.A	core broken w strong to								
				intense clay alth								
5593	6019		1 Quartzite Breccia	- Broken upper contact	98	290	5593	5620	2.7		2	490
			Large, angular	- Strong to intense tourmaline	100	291	5620	5660	4.0	<.03	4	1060
			frags quartzite in	alth	100	292	5660	5710	5.0	.03	7	2265
			1% - dk green matrix	- Variable cpy, py po as	100	293	5710	5760	5.0	<.03	11	3285
			of qtz, tourmaline	blebs in matrix cpy dominant	100	299	5760	5810	5.0	<.03	6	2150

avg total sulphide content 2-3%

TINDALL GEOSERVICES INC. PAGE 22 OF 29 HOLE NO. GCS95-3

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
			and clay, mostly frags w mod to intense tourmaline replacement giving core generally blk colour	- Sulphide content gradually increases downhole w increasing po & Sphalerite to an average total sulphide content of approx 3-4%	100	95295	581.0	586.0	5.0	<.03	1	980
					100	296	586.0	591.0	5.0	<.03	3	1215
					100	297	591.0	596.0	5.0	.06	3	1275
					100	298	596.0	601.4	5.4	.05	2	655
601.4	609.5		Pyroxenite Dyke med gr. equigran. med green approx 85% pyroxene	- sharp upper contact @ 50° to C.A. fine grained Chilled margin grades downward into med gr. pyroxenite - mdly. strongly chloritized - approx 10% inclusions of qtzite bx	100	299	601.4	604.7	3.3	<.03	4	725
					97	300	604.7	609.5	4.8	<.03	4	585

TINDALL GEOSERVICES INC. PAGE 23 OF 29 HOLE NO. GCS 95-3

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
			1									
609.5	644.8		Quartzite Bx	- Qtzite frags are locally	96	95301	609.5	616.0	6.5	<.03	5	1255
			large, angular -	fracted & mdtly - Strongly sfctd	98	302	616.0	621.0	5.0	<.03	8	1965
			Sub rounded frags	- py, py, cpy & minor Aspy	98	303	621.0	626.4	5.4	.49	30	8970
			qtzite in in a	as irregular blebs in matrix								
			fine grained, med	& forming matrix of bx cpy								
			green, mdly Chloritized	later than & surrounding &								
			mafic matrix	rimming py Avg total								
				Sulphide content 3-4%								
				-626.0 - 628.2 Fault	100	304	626.4	631.3	4.9	.85	34	17040
				core extremely Broken to	97	305	631.3	636.0	5.0	.86	66	14415
				pea sized pebbles	98	306	636.0	641.0	5.0	.10	26	7275
				@ 641.5 a sharp increase	90	307	641.0	644.8	3.8	1.37	55	20,200
				in Sulphide content w approx								
				equal amts cpy & py as matrix								
				of bx minor Sphalerite & trace								
				Aspy Avg total Sulphide content								

TINDALL GEOSERVICES INC. PAGE 29 OF 29 HOLE NO. GCS 95-3

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
			18									
644.8	706.6		Mafic Tuff	- Broken upper contact	100	95308	644.8	650.0	5.2	<.03	3	2190
			v. f.gr - aphanitic,	- Strongly fract'd w hairline	100	309	650.0	656.0	6.0		<1	520
			med green-grey,	chloritic fracts @ all angles	100	310	656.0	661.0	5.0			420
			massive	to C.A.	97	311	661.0	666.0	5.0			155
				- mdtly - intensely silicified	95	312	666.0	671.0	5.0			210
				many sections bleached almost	97	313	671.0	676.0	5.0			80
				white	93	314	676.0	681.0	5.0	<.03		395
				- Variable py, py, cpy w minor	90	315	681.0	686.0	5.0	.07		190
				sphalerite as fine veinlets and	97	316	686.0	690.8	4.8	<.03	<1	170
				disseminations avg. total sulphide								
				content approx 1-3%								
				- 665.0 - 705 Strong Fracture								
				Zone Core broken - badly								
				broken w fracts @ 0°, 30°, 60°								
				to C.A.								

TINDALL GEOSERVICES INC. PAGE 25 OF 29 HOLE NO. GCS 95-3

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec Depth	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
				-@ 678 relict bedding @ 5	95	95317	690.8	696.1	5.3	<.01	<1	435
				fine laminations @ 65° to C.A.	100	318	696.1	702.0	5.9			400
				-@ 690.8 Silification gradually	90	319	702.0	706.6	4.6	<.01	<1	175
				decreases to weak - mdt; relict								
				grain boundries observable in								
				tuff; sulphide content <1%								
				-@ 691.7 relict bedding @								
				75° to C.A.								
				@ 699.5 Core is wkly sicfd								
				argillized & chloritized almost								
				unaltered fine gr. Tuff								

TINDALL GEOSERVICES INC. PAGE 26 OF 29 HOLE NO. GCS 95-3

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% RECOVERY	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
			10									
706.6	721.0		Pyroxenite	- fine grained, indistinct,	100	95-320	706.6	716.0	9.4	<.01	<1	50
			med-dk grey	chilled upper contact	95	321	716.0	721.0	5.0			25
			green, porphyritic	to matrix								
			w 15-30%, 2-3	- wkly, chloritized; weakly mineralized								
			mm subhedral									
			pyroxene phenos.									
			in a v. f. gr.									
			ground mass of									
			mafics (75%) +									
			plag (25%)									
			18									
721.0	756.5		Mafic Tuff	- Broken upper contact	90	322	721.0	726.0	5.0			300
			v. f. gr equigran.	- unaltd @ contact w pyroxenite	95	323	726.0	731.0	5.0			600
			med green or grey	rapidly becomes silicified	88	324	731.0	736.0	5.0	<.01	<1	595
			massive.	downhole w mdt - strong silicification								
				8 mdt clay gouge @ 724 ft								

TINDALL GEOSERVICES INC. PAGE 27 OF 29 HOLE NO. GCS 95-3

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
				- variable py minor po +								
				Sphalerite as fine veinlets								
				and v. fine disseminations								
				Avg total sulphide content								
				< 1% some 4-6" sections								
				w 5-7% v. fine diss py								
				minor cpy								
				721.0 - 735 Strong Fault	93	95325	736.0	743.0	7.0	.55	<1	440
				Core broken - extremely broken	100	326	743.0	750.0	7.0	<.01		245
				with 1 - 9 foot sections of	100	327	750.0	756.5	6.5	<.01	<1	380
				intense clay alt'n weak, Chlorite								
				slickensides @ 20-25° to C.A.								
				- @ 735 alt'n weakens rapidly								
				down hole w alternating								
				5 - 15 ft sections of								

TINDALL GEOSERVICES INC. PAGE 28 OF 29 HOLE NO. GES95-3

FOOTAGE FROM	FOOTAGE TO	LOG	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% BULPH	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	ASSAYS Au	ASSAYS Ag		
					very weakly altd. and									
					mdtly sfctd & argillized									
					tuff ; variable py									
					as fine veinlets and very									
					fine dissemination in									
					altd sections, avg									
					sulphide content much									
					less than 1%									
					- 746.5 - 781 Strong Fault									
					Core heavily fracd to									
					intensely broken w mdt									
					white clay alt'n									

TINDALL GEOSERVICES INC. PAGE 29 OF 29 HOLE NO. GCS 95-3

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% REC	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
756.5	781		15 Quartzite	- Sharp upper contact @	87	95328	756.5	767.0	10.5	<.01	<1	330
			White, v. f gr,	55° to C.A.	63	329	767.0	773.0	6.0			210
			equigranular, feldspar	- most wkly clay+ silica	59	330	773.0	781.0	8.0	<.01	<1	320
			arenite, some	altd to un g/zoned, minor								
			1-2 ft sections	blk tourmaline as fine								
			red green fine	veinlets and 3-5 mm								
			grained tuff	round "spots"								
				- variable py as v. fine								
				veinlets and disseminations								
				avg content < 1%								
				EOH 781 Feet								

TINDALL GEOSERVICES INC.	PROPERTY: Giant Copper	PAGE 1 OF 14	HOLE NO: GCS95-2
PROJECT:	LOGGED BY: M. Tindall DATE: Sept 8/95		DEPTH: 500 Feet
LOCATION: AM BRECCIA	SURVEYED BY: Eric LeNeve DATE: Oct 11/95		CORE SIZE: NQ2
CONTRACTOR: Olympic Drilling	DATE COLLARED: Sept 7/95		DATE COMPLETED: Sept. 10/95

COORDINATES:		HOLE SURVEY							EQUIPMENT TYPES USED
NORTHING:	9358.33	DEPTH	0'	200	400				Longyear Super 38
EASTING:	9549.90	INCLINATION	-45°	-42°	40°				Corrected for meniscus
ELEVATION:	5657.09	AZIMUTH	270°	—	—				
METHOD:	Survey	INSTRUMENT	Brunton	Acid	Acid				

HOLE SUMMARY / COMMENTS

From	TO	width	
44.3	131.0	86.7 ft.	0.917% Cu, 0.019% Mo, 0.076 g/t Au, 15.18 g/t Ag in Breccia
351.0	395.0	44.0 ft	0.399% Cu, 0.039% Mo, 0.451 g/t Au, 9.62 g/t Ag. in Breccia

TINDALL GEOSERVICES INC. PAGE 2 OF 14 HOLE NO. GCS 95-2

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm	Mo ppm
0	21		Casing										
21	395.0		1 Quartzite 13%	- 21 - 52 strongly clay	92	95097	21	26	5.0	.040	4	2040	5
			Buff - White,	altd (weathered?) although	95	098	26	31	5.0	.015	1	310	535
			large (5cm - 45cm),	original textures preserved in core	92	099	31	36	5.0	.040	1	440	170
			angular, frags	is largely clay, very soft	98	100	36	40.5	4.5	.020	<1	145	395
			of feldspathic	can be cut w knife,	100	101	40.5	44.3	3.8	.015	<1	130	30
			qzite in a	- variable 13% tourmaline									
			blk matic matrix	as fine wisps, frag rims									
			- some 3-5 fx	and irregular clots									
			sections more	- 21 - 41.9 <1% py trace									
			like pyroxenite	cpy as small blebs									
			dykes w 15%	- @ 41.9 core abruptly	92	102	44.3	47.6	3.3	.215	82	25000	210
			frags. qzite	becomes mineralized w py, cpy									
				& po veinlets blebs & clots									

TINDALL GEOSERVICES INC. PAGE 3 OF 14 HOLE NO. GCS 95-2

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm	Mo ppm
				Sulphide content variable									
				from 1-5% total, trace Aspy									
				-45.2 - 51.4 extremely clay	87	95102	47.6	51.4	3.8	.085	14	4620	520
				altd trace py + cpy									
				- Below 51.4 core largely	78	104	51A	56.0	4.6	.200	46	17070	455
				intact gezite 6x; w olive	95	105	56.0	61.0	5.0	.360	51	17470	65
				green clay-sericite altn	98	106	61.0	66.0	5.0	.330	28	17830	120
				of matrix, frags appear	98	107	66.0	71.0	5.0	.065	10	9500	175
				silicified + glassy, strong	100	108	71.0	76.0	5.0	.100	9	7100	225
				py cpy mineralization as	98	109	76.0	81.0	5.0	.030	14	8980	135
				veinlets + irregular clots in		110	81.0	86.0	5.0	.005	6	4080	300
				matrix of 6x									
				- @ 81.0 abrupt decrease									
				in total sulphide content to									
				avg 2-3% no apparent									

TINDALL GEOSERVICES INC. PAGE 4 OF 14 HOLE NO. GCS95-2

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm	Mo ppm
				change in the nature of									
				the breccia; many									
				short sections (15cm) w	100	95111	86.0	91.0	5.0	.020	9	6420	300
				heavy cpy, cpy ± py	100	112	91.0	96.0	5.0	.010	11	6670	200
				minor sphalerite as fine		113	96.0	100.5	4.5	.010	20	6140	230
				veins & blebs; trace marcasite									
				-100.5-106.1 intense clay	93	114	100.5	106.1	5.6	<.005	<1	388	265
				alt'n; all original texture									
				destroyed; ~ 2-3% light									
				green talc as veins and									
				1-5cm irreg frags, few									
				relict frags white gez'te									
				sharp upper & lower contacts									
				@ 10° & 15° to C.A.;									
				minor sulphide content									

TINDALL GEOSERVICES INC. PAGE 5 OF 14 HOLE NO. GCS 95-2

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm	Mo ppm
				- Below 106.1 strong	98	95115	106.1	111.0	4.9	.075	30	10370	250
				qtzite bx w large aug	98	116	111.0	116.0	5.0	.090	22	7970	20
				frags in matrix sequence 20%	100	117	116.0	121.0	5.0	.030	19	4860	5
				mafic matrix w variable	100	118	121.0	126.0	5.0	.010	42	10080	5
				Po, py cpy minor sphalerite	98	119	126.0	131.0	5.0	.010	22	6650	5
				aug sulphide content 3-5%									
				minor Aspy									
				- Below 128.0 decrease	98	120	131.0	136.0	5.0	<.005	2	695	<5
				in sulphide content down	101	121	136.0	141.0	5.0	.020	3	1000	<5
				hole in strong qtzite bx	101	122	141.0	146.0	5.0	.020	4	885	
				aug content 1-3%, scattered	100	123	146.0	151.0	5.0	.025	1	555	
				short sections (7cm - 30cm)	97	124	151.0	156.0	5.0	.085	2	740	<5
				strong py clots in matrix	100	125	156.0	159.7	3.7	.025	1	400	5
				cpy content much reduced									

TINDALL GEOSERVICES INC. PAGE 6 OF 14 HOLE NO. CCS 95-2

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	ASSAYS Au g/t	ASSAYS Ag ppm	ASSAYS Cu ppm
				- @ 159.7 degree of	100	95129	152.7	166.0	6.3	.005	<1	210
				breccia tion drops abruptly	100	127	166.0	171.0	5.0	.060	3	825
				alternating 1-3' sections	100	128	171.0	176.0	5.0	.035	6	825
				fract'd or wkly bxd gtzite	95	129	176.0	181.0	5.0	.115	3	285
				w 1-3' sections strong	97	130	181.0	186.0	5.0	.070	1	215
				gtzite bx w angular, white	98	131	186.0	191.0	5.0	.055	<1	345
				* saussuritized frags in chloritized, mafic	93	132	191.0	196.0	5.0	.020	2	595
				matrix; avg sulphide content								
				<1% w scattered 1-3mm								
				rounded blebs py + minor cpy								
				- 195.6 - 190.7 strong								
				gtzite bx w 2cm - 60cm								
				angular, white gtzite frags								
				in white, intensely clay								
				alt'd matrix ~ 15-25%								

TINDALL GEOSERVICES INC. PAGE 7 OF 14 HOLE NO. GCS 95-2

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
				block tourmaline as frag rims and irreg masses in matrix								
				- 195.6 - 206.0 ~ 3% py	100	95 133	196.0	201.0	5.0	.080	2	705
				as irreg blebs in matrix	100	134	201.0	206.0	5.0	.070	1	435
				w variable cpy to 2%	100	135	206.0	211.0	5.0	.010	1	515
				over short sections as small	100	136	211	216	5.0	.010	<1	70
				blebs + grains aug cpy	98	137	216	221	5.0	.015		200
				< 1%. below 206.0 total	95	138	221	226	5.0	.005		355
				sulphide < 1% w minor cpy								
				-208 - 260.8 v. strong limonite								
				stain in matrix of bx								
				224.5 - 260.8 strong fract. (Fault?)	100	139	226	236	10.0	<.005		370
				zone, core broken, clay altd	98	140	236	246	10.0	.020		345
				fracts @ 40° to C.A. very	95	141	246	256	10.0	.010	<1	495
				limonitic, v. strong tourmalin								

TINDALL GEOSERVICES INC. PAGE 8 OF 14 HOLE NO. GCS 95-2

FOOTAGE FROM	FOOTAGE TO	LOG		ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec SULPH	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	ASSAYS Au g/t	ASSAYS Ag ppm	ASSAYS Cu ppm
					replacement w relic white								
					frags in tourmaline matrix								
					core mostly black								
					-260.8 - 273.0 core wkly -								
					mdtly fracts mdtly-wkly								
					clay alt'n + wkly limonitic	97	95/142	256	266	10.0	.010	<1	385
					-266.0 - 268.5 strong	98	143	266	271	5.0	<.005	9	4790
					talc alt'n in matrix + fracts								
					giving core bright green colour								
					- 271.4 - 285.7 <1%	100	144	271	276	5.0	.015	1	890
					scattered cpy blebs	100	145	276	281	5.0	.010	2	1065
					-275 - 288 scattered 1 - 5	88	196	281	286	5.0	.040	3	1645
					cm vugs w reddish brown	97	147	286	291	5.0	.085	1	680
					platey xtals mineral unknown								

TINDALL GEOSERVICES INC. PAGE 9 OF 14 HOLE NO. GCS 95-2

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	Au g/t	Ag ppm	Cu ppm	Mo ppm
				290.7 - 306.5 very	100	95198	291	296	5.0	.020	1	585	
				wkly bxd grezite finely	100	149	296	301	5.0	.025	4	1825	
				laminated bedding @ 35° to	100	150	301	306.5	5.5	.035	3	1655	
				C.A. sgoir 6" - 1' sections	100	151	306.5	311.0	4.5	.040	<1	485	
				bx; minor py, red-brown	97	152	311.0	316.0	5.0	.110		285	
				sphalerite & cpy on fine	100	153	316.0	321.0	5.0	.375		260	
				fracts.	87	154	321.0	326.0	5.0	.005	<1	70	
				306.5 - 347.0 alternating	95	155	326	331	5.0	.025	1	430	
				geotious grezite & strong	95	156	331	336	5.0	.060	1	685	
				grezite bx ~40% mass.	100	157	336	341	5.0	.020	1	860	
				grezite; variable but	100	158	341	346	5.0	.035	4	1980	280
				minor py, pa cpy trace		159	346	351	5.6	.015	1	860	420
				Aspy									
				- 319.2 - 319.5 ~ 10%									
				Aspy as concordant veinlets;									

TINDALL GEOSERVICES INC. PAGE 10 OF 14 HOLE NO. GCS95-2

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm	Mo ppm
				357.0 - 363.2 Strong Fault	73	95160	351	356	5.0	.035	7	3190	140
				Core extremely broken &	83	161	356	361	5.0	.115	10	5390	285
				strongly clay altd., only	100	162	361	365	4.0	.025	2	1405	140
				minor Sulphides noted									
				363.2 - 369.0 Core broken									
				strongly fract'd @ 0° &									
				40° to C.A.									
				- Below 365.0 increasing									
				cpy & Aspy downhole									
369.0	372.2		II Diorite Dyke	- Dyke wkly altd &	100	163	365.0	372.2	7.2	.085	6	3000	110
			med gr equigran.	< 1% cpy as fine veinlets									
			to wkly porphyritic	- Sharp upper & lower contacts @ 60°									
			White & blk &	to C.A.									
			~ 80% plag &										
			20% mafics										

TINDALL GEOSERVICES INC. PAGE 11 OF 14 HOLE NO. GCS95-2

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec CORE	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	Au g/t	Ag ppm	Cu ppm	Mo ppm
				- 372.2 - 379.1 abrupt increase	100	95164	372.2	376.3	4.1	1.090	7	2950	720
				in sulphide content to ~		165	376.3	379.1	2.8	.355	3	1795	930
				10% combined Aspy + cpy									
				as matrix of bx; possibly									
				some molybdenite mixed w Aspy									
				- abrupt decrease in sulphides	93	166	379.1	384.0	4.9	.575	12	5590	380
				to 1-3% aug combined	100	167	384.0	388.6	4.6	.365	21	6570	300
				Aspy + cpy @ 379.1									
				- 388.6 - 395.0 matrix of bx	95	168	388.6	391.0	2.4	.450	26	8300	805
				is finely intermixed, semi-	89	169	391.0	395.0	4.0	1.840	8	2720	720
				massive py, Aspy + cpy total									
				sulphide content 10-15%									

TINDALL GEOSERVICES INC. PAGE 12 OF 14 HOLE NO. GCS 95-2

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm	Mo ppm
395.0	469.5		18 Volcanic Tuff	- Sharp upper contact @	100	95170	395.0	400.0	5.0	.045	1	890	10
			lt. grey, v. f. gr	50° to C.A.	100	171	400	405	5.0	.020	1	645	
			to aphanitic,	- 395.0 - 396.6 extremely	100	172	405	410	5.0	.325	15	2720	
			feldspathic tuff	argillized all original	97	173	410	415	5.0	.145	2	600	
				textures completely destroyed	100	174	415	420	5.0	.015	<1	265	
				- 396.9 - 469.5 mostly -	100	175	420	425	5.0	.105	2	1150	
				strongly silicified giving	100	176	425	430	5.0	.025	1	805	
				lt purple-grey colour.	87	177	430	435	5.0	.030	3	1155	
				slightly glassy texture		178	435	440	5.0	.015	1	385	10
				- variable py, Aspy, PO		179	440	445	5.0	.115	5	890	5160
				95 fine veinlets, & small 3mm									
				- 2 cm blebs less cpy									
				avg sulphide content 2-4%									
				- @ 442.9 semi-massive 2 inch									
				py, PO, molybdenite vein parallel									

TINDALL GEOSERVICES INC. PAGE 13 OF 14 HOLE NO. GCS 95-2

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Acc SULPH	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS LENGTH	ASSAYS Au g/t	ASSAYS Ag ppm	ASSAYS Cu ppm
				to fine bedding @ 30° to		95180	445	450	5.0	.085	1	1150
				C.A.		181	450	455	5.0	.005	1	720
4695	4830		Pyroxenite	- Sharp upper contact @ 60°	100	182	455	460	5.0	<.005	1	500
			dk green, wkly	to C.A., Sharp lower contact @	100	183	460	465	5.0	<.005	1	375
			porphyritic w	40° to c.A.	100	184	465	469.5	4.5	.010	<1	205
			1-2mm subhedral,	- unaltered & generally		185	4695	476.0	6.5	.155	2	1125
			black phenos of	unmineralized.		186	476.0	4830	7.0	<.005	<1	100
			pyroxene in a	- 1.5 inch mass. py, cpy								
			fine gr. groundmass	veinlet @ 476.0								

TINDALL GEOSERVICES INC. PAGE 14 OF 14 HOLE NO. GCS 95-2

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec Sulph	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
			IB									
4830	500		Volcanic Tuff	- bedding @ 50° to C.A.		95187	4830	4880	5.0	<.005	1	410
			very f. gr, alternating	- WKly - mdtly altered		188	488	493	5.0	<.005	1	260
			bands blk, grey	WKly fracts w tan bleaching		189	493	500	7.0	<.005	1	160
			& tan Volcanic	along fracts.								
			Sediment.	- Variable py, po w minor								
				cpy as fine fract. filling								
				& small (1-3 mm) blebs								
				EOH 500 Feet								

TINDALL GEOSERVICES INC.	PROPERTY: Giant Copper	PAGE 1 OF 12	HOLE NO: GCS 95-1
PROJECT:	LOGGED BY: M. Tindall DATE: 9/3/95		DEPTH: 487 ft.
LOCATION: AM Breccia	SURVEYED BY: Eric LaNeve DATE: Oct 11/95		CORE SIZE: NQ2
CONTRACTOR: Olympic	DATE COLLARED: 9/3/95		DATE COMPLETED: 9/7/95

COORDINATES:	
NORTHING:	9259.86
EASTING:	9541.21
ELEVATION:	5669.98
METHOD:	Survey

HOLE SURVEY						
DEPTH	0'	247	487			
INCLINATION	-45°	-43°	-43°			
AZIMUTH	270°	—	—			
INSTRUMENT	Brunton	Acid	Acid			

EQUIPMENT TYPES USED

Longyear Super 38
Acid Tests Corrected for meniscus

HOLE SUMMARY / COMMENTS

Hole lost @ 487' due to bad vibration & squeezing caused by strong fault.

From	To	width		
46.7	64.3	17.6 ft	0.810% Mo in Breccia	
64.3	90.3	26.0 ft	0.803% Cu in Breccia	25.69 g/t Ag
108.3	158.7	50.4 ft.	0.591% Cu in Breccia	17.98 g/t Ag
292.0	314.0	22.0 ft	0.333% Cu in Tuff	9.91 g/t Ag

TINDALL GEOSERVICES INC. PAGE 2 OF 12 HOLE NO. GCS 95-1

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
0	11		Casing		Recovery							
11	46.7		18 (Mafic Tuff) Volcanic Tuff		100	95001	11	15	4	<.005	<1	180
			med green-grey	- wkly magnetic	100	002	15	20	5			55
			v. f.gr equigran.	- variable v. wk to	97	003	20	25	5			135
			water lain Tuff	Strong silification w	100	004	25	30	5			225
			- Soft - v. Soft	Some sections bleached	98	005	30	35	5			225
				lt grey mdly hard	98	006	35	40	5			235
				- wkly fracts w fine	98	007	40	46.7	6.7	<.005	<1	250
				py + po filled fracts @ 15° to C.A. ~1% py+po total								
				- Trace Cpy as a few								
				2-3 mm blebs.								

TINDALL GEOSERVICES INC. PAGE 3 OF 12 HOLE NO. GCS 95-1

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% RCVD	SAMPLE No.	ASSAYS FROM	TO	FEET LENGTH	Au g/t	Ag ppm	Cu ppm	Mo ppm
46.7	220		1 Quartzite Breccia	- Sharp upper contact @	100	95008	46.7	50.2	3.5	.050	6	1980	2580
			White, v. f. gr,	55° to C.A.	98	009	50.2	53.7	3.5	.050	2	185	5240
			finely laminated	- Extremely variable amount									
			frags (1cm-45cm)	cpy, moly, sph, py ^ 95 bornite									
			V. Soft Sandstone	fine - 5mm vnlets, small									
			in a black, fine	blebs - large clots and									
			- med grained	rimming frags. py mostly									
			matrix of mafic	95 1-2% fine diss xtals.									
			minerals, many	- total sulphide variable									
			irreg clots &	from 1% to 10% (short intervals)									
			clusters of xcgl line	- 59.0 - 64.3 many short	88	95010	53.7	59.0	5.3	.080	3	160	19600
			black tourmaline	(.25 - .5 ft) sections w	100	011	59.0	61.8	2.8	.035	<1	285	2080
				1-5% moly as frag rims &	100	012	61.8	64.3	2.5	.075	<1	95	2160
				clots									

TINDALL GEOSERVICES INC. PAGE 4 OF 12 HOLE NO. GCS 95-1

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% rec.	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm	Mo ppm
				- some short sections (1-15	100	95013	64.3	69.3	5.0	.245	10	3150	500
				cm) w 1-5% Aspy as blebs	100	014	69.3	75.3	6.0	.025	3	1225	
				cross & Vnlts									
				- 70.3 - 90.3 increased cpy	100	015	75.3	80.3	5.0	.165	71	22,900	
				as large irreg clots &	100	016	80.3	85.3	5.0	.045	17	4600	
				Vnlts	100	017	85.3	90.3	5.0	.050	32	9660	
				- 90.3 - 108.3 very wkly bxd	100	018	90.3	95.3	5.0	<.005	1	190	
				30 cm appears to be mafic	96	019	95.3	100.3	5.0		1	455	
				dyke same as mafic bx	100	020	100.3	105.0	4.7		1	360	
				matrix; minor sulphides	100	021	105.0	108.3	3.3	<.005	<1	135	
				- 108.3 - 133.3 very strongly	95	022	108.3	113.3	5.0	.225	16	7000	
				bxd w 1cm - 45 cm angular	100	023	113.3	118.3	5.0	.105	29	11,200	
				frags white sandstone in matrix	98	024	118.3	123.3	5.0	.060	18	7370	
				of mafics & sulphide; very	95	025	123.3	128.3	5.0	.065	29	9160	
				variable sulphides predominately	100	026	128.3	133.3	5.0	.020	16	3760	

TINDALL GEOSERVICES INC. PAGE 5 OF 12 HOLE NO. GCS 95-1

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm	Mo
				pod Cpy w minor py, Aspy									
				Sph as small blebs & large									
				irreg clots & Vnlts.									
				133.3 - 163.5 wkly bxd,	100	95027	133.3	138.3	5.0	<.005	8	1775	
				predom. white sandstone w	95	028	138.3	143.3	5.0	<.005	6	1525	
				short sections bx	98	029	143.3	149.5	6.2	<.005	1	685	
				- 149.5 - 153.7 strong bx minor	100	030	149.5	153.7	4.2	0.230	50	13550	
				Sulphides	100	031	153.7	158.7	5.0	<.005	16	5590	
					100	032	158.7	163.5	4.8	<.005	1	800	
				- 163.5 - 220 Strongly bxd	100	033	163.5	166.5	5.0	.090	6	885	
				white sandstone w 1-20 Cm	100	034	168.5	173.5	5.0	.035	1	345	
				ang frags in a lt green	90	035	173.5	178.5	5.0	<.005	1	245	
				clay-sericite matrix; variable	100	036	178.5	183.5	5.0	.020	1	385	
				1-3% pod py <1% total	100	037	183.5	188.5	5.0	.050	10	2650	
				Cpy as small blebs, minor	95	038	188.5	195.8	7.3	<.005	<1	385	

TINDALL GEOSERVICES INC. PAGE 6 OF 12 HOLE NO. GCS 95-1

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	% SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
				Sph + galena									
				- 195.8 - 235.5 strong Fault	47		95039	195.8	200.8	5.0	<.005	1	680
				Core very badly broken;	42		040	200.8	205.8	5.0	<.005	2	995
				most like angular gravel.	72		041	205.8	210.8	5.0	.020	2	545
				few sections > 15 cm intact	95		042	210.8	215.8	5.0	.010	1	830
				Sandstone bx; minor cpy	100		043	215.8	220.8	5.0	.025	3	1210
				trace mal.; strong	82		044	220.8	225.8	5.0	.015	<1	465
				limonite stain	91		045	225.8	230.8	5.0	.065	19	4940
				- strong bx continues into	72		046	230.8	235.0	4.2	.035	7	2140
				fault and ends @ approx	95		047	235.	240	5.0	.020	3	1185
				220 ft.	100		048	240	245	5.0	.030	8	3430
220	259.5		15 Quartzite	- white - lt grey, v.f. gr	100		049	245	250	5.0	.015	7	1325
				Sandstone w mud grey	95		050	250	255	5.0	.030	9	2210
				laminations 2 - 10 mm	98		051	255	259.5	4.5	.025	7	1745
				wide, some narrow sections	100								

TINDALL GEOSERVICES INC. PAGE 7 OF 12 HOLE NO. GCS95-1

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm	Pb
				(5mm - 45 cm) black									
				v. f gr argillite as									
				laminations in sandstone									
				v. minor diss. py + po									
				- short sections of 6x									
				245.0 - 246.0 ; 250.8 - 252.1									
				w ~ 5% py < 1% cpy as									
				large irregular blebs									
			17										
2595	2772		Argillite	- upper contact w quartzite	95	95052	2595	265	55	.020	2	1615	
			black - dk green	broken	93	053	265	270	5.0	.020	4	1585	
			v. f. gr - aphanitic	- some short sections w 1-3%	66	054	270	277.2	7.2	.605	<1	730	
			w fine 2-5mm	1-2mm, rounded blebs py + po									
			laminations	Some fine laminations of py									
				- luminations @ 25° to C.A.									

TINDALL GEOSERVICES INC. PAGE 8 OF 12 HOLE NO. GCS 95-1

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm	MO
				- 263.8 - 277.2 fracts & open spaces w/ lge euhedral qtz xtals.									
				- 270.6 - 277.2 wkly bxd w/ euhedral qtz xtals in open spaces < 0.5% cpy as disseminations & fine fract fillings									
277.2	281.1		15 Quartzite white, v. f. gr massive qtzite	- Sharp upper contact @ 55° to C.A. - minor py as 1-3mm blebs & fine fract filling	100	95055	277.2	281.1	3.9	.035	3	900	
281.1	429.7		18 (Mafic Tuff) Volcanic Tuff Med grey-green f. gr mixture mafics & feldspar	- broken upper contact - Approx. 1% py as scattered 1-5mm rounded blebs; trace py as v. fine fract filling.	100	056	281.1	286.1	5.0	.005	<1	260	
						057	286.1	292.0	5.9	.010	<1	495	

TINDALL GEOSERVICES INC. PAGE 9 OF 12 HOLE NO. GCS 95-1

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm	ppm
			Massive; v. minor	- Below 290.5 Tuff becomes	100	95058	292.0	297.0	5.0	.045	5	1545	
			short stretches wkly	rapidly bleached w mdt -	100	059	297.0	302.0	5.0	.110	11	4400	
			porphyritic w 0.5-	v. strong clay-sericite alt'n of	100	060	302	308.0	6.0	.090	5	2620	
			1mm subhedral plag	strong silicification; fine-hair like	100	061	308.0	319.0	6.0	.085	18	4650	
			phenos in a f.gr.	fracts @ all angles to C.A.	98	062	319.0	319.0	5.0	.080	<1	270	65
			groundmass	- minor py, sph, pb & cpy									
				along fracts & as small blebs									
				total sulphide approx 1-3%									
				- some short sects. w v. fine									
				dust like diss cpy & py									
			- @ 319.0 abrupt	- 319.0 - 320.6 10mm - 15cm	100	063	319.0	320.4	1.4	.060	<1	410	110
			change to blk, fine-	angular, ripup clasts of	95	064	320.4	325.8	5.4	.215	<1	245	1810
			med. gr volcanic	white gezite & blk tuff; fract'd	95	065	325.8	330.6	9.8	.050	24	7450	960
			tuff	& brx'd w cream colour carbonate									
				filling (siderite?) & minor cpy as									
				scattered blebs									

TINDALL GEOSERVICES INC. PAGE 10 OF 12 HOLE NO. GCS 95-1

FOOTAGE FROM	FOOTAGE TO	LOG		ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm	Mo ppm
				330.6 - 345.2	-330.6 - 345.2 mod/str w	100	95066	330.6	336.0	5.4	.025	4	1170	20
				lt grey, fgr.	minor py along fine fracts	100	067	336.0	341.0	5.0	.025	1	385	
				equigranular	& as dissem. fine disseminations	100	068	341.0	345.2	4.2	.010	<1	300	
				feldspathic Tuff w	Trace cpy.	100	069	345.2	350.0	4.8	.015	1	595	
				3-5mm laminations	- @ 345.2 Tuff abruptly	100	070	350.0	355.0	5.0	.025	1	895	
				gr. feldspathic Tuff	becomes mdly - strongly sicfd.	100	071	355.0	360.0	5.0	.070	2	880	
				@ 70° to C.A.	w destruction of grain boundrys,	100	072	360.0	363.3	3.3	.030	1	355	
					glossing of laminations & silica									
					flooding (Kspar?) <1% py as									
					fine fract filling <<0.5%									
					cpy as fine dust like									
					disseminations									

TINDALL GEOSERVICES INC. PAGE 11 OF 12 HOLE NO. GCS95-1

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% Rec	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
				-@ 363.2 abrupt change to	100	95073	363.2	370.0	6.8	<.005	<1	225
				unaltd, v.f gr, lt-med green,	95	074	370.0	375.0	5.0	.020	2	925
				massive volcanic Tuff; some	100	075	375.0	380.0	5.0	<.005	<1	290
				v. finely laminated @ 0° to C.A	100	076	380.0	386.0	6.0	<.005	<1	310
				<1% py along fine fracts								
				Tr py & cpy								
				- Broken upper contact	100	077	386.0	391.0	5.0	.010	<1	140
				- Trace py & pb along fine	100	078	391.0	396.0	5.0	.025		170
				fracts.	100	079	396.0	401.0	5.0	.005		225
					100	080	401.0	404.2	3.2	.015	<1	425
				- Below 404.2 silification is	98	081	404.2	410.0	5.8	.010	<1	305
				strong to intense w variable	100	082	410.0	415.0	5.0	.005	<1	430
				py between 1 & 4% as dissem.	100	083	415	420	5.0	.015	1	1090
				blebs & fracr. filling; some	100	084	420	425	5.0	.115	1	580
				sections w 1-5% py as clots & veinlets	100	085	425.0	429.7	4.7	.010	<1	420

TINDALL GEOSERVICES INC. PAGE 12 OF 12 HOLE NO. GCS 95-1

FOOTAGE FROM	FOOTAGE TO	LOG	ROCK TYPE	ALTERATION, MINERALIZATION AND STRUCTURE	% SULPH	SAMPLE No.	ASSAYS FROM	TO	LENGTH	Au g/t	Ag ppm	Cu ppm
			1B (Feldspathic Tuff)									
429.7	487		Quartzite/Tuff	- Sharp upper contact @	97	95086	429.7	435.0	5.3	.010	<1	270
			buff - white, f.gr	10° to C.A.	100	087	435	440	5.0	.005		540
			equigranular, massive	- mdly to intensely	98	088	440	445	5.0	<.005		335
			feldspathic arenite	silicified w partial to total	98	089	445	450	5.0			235
			weakly laminated w	replacement of granular textures	97	090	450	455	5.0	<.005		330
			bedding @ 5-15° to	some aphanitic & glassy.	100	091	455	460	5.0	.005	<1	475
			C.A.	- py & po as disseminations	100	092	460	466.9	6.9	.065	1	1055
			- Below 959 alternating	Small blebs and sparse								
			white sandstone/tuff	fract. fillings, avg sulphide								
			& green volc Tuff	content approx 1%								
			beds ~ 15cm thick	- 466.9 - 470.7 ~ 0.5% cpy		093	466.9	470.7	3.8	.265	7	9510
			@ ~ 70° to C.A.,	as fine disseminations & fract.		094	470.7	475.6	4.9	.045	1	1210
			increasing green	fillings, minor cpy to 975.6		095	475.6	480.0	4.9	.015	<1	245
			tuff down hole	Hole lost @ 487 due to		096	480.0	487.0	7.0	<.005	<1	345
				Squeezing in fault zone								

APPENDIX 3

ASSAY CERTIFICATES

95-1

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: IMPERIAL METALS CORPORATION

420 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

Project : GIANT COPPER
Comments: CC: MARK TINDALL

Page Number 1-A
Total Pages 7
Certificate Date 28-SEP-95
Invoice No. I-9528604
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9528604

SAMPLE DESCRIPTION	PREP CODE		Au g/t FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	Mg %	Mn ppm	Mo ppm	Na %
95001	208	226	< 0.005	< 1	2.74	40	80	< 5	< 10	1.60	< 5	15	20	180	5.00	< 10	0.19	0.88	550	< 5	0.34
95002	208	226	< 0.005	< 1	2.80	60	60	< 5	< 10	1.79	< 5	10	20	55	4.27	< 10	0.17	0.74	520	< 5	0.40
95003	208	226	< 0.005	< 1	2.50	260	60	< 5	< 10	1.31	< 5	15	20	135	4.90	< 10	0.16	0.73	530	< 5	0.30
95004	208	226	< 0.005	< 1	2.00	320	20	< 5	< 10	0.74	< 5	15	10	225	5.30	< 10	0.27	0.80	890	10	0.15
95005	208	226	< 0.005	< 1	2.05	180	20	< 5	< 10	1.23	< 5	25	10	255	5.74	< 10	0.16	0.98	830	< 5	0.16
95006	208	226	< 0.005	< 1	1.68	40	20	< 5	< 10	0.83	< 5	20	20	235	4.82	< 10	0.07	0.85	570	< 5	0.16
95007	208	226	< 0.005	< 1	3.04	70	60	< 5	< 10	1.72	< 5	10	60	250	3.75	< 10	0.12	0.79	1050	5	0.40
95008	208	226	0.050	6	0.48	3900	20	< 5	< 10	0.38	< 5	75	80	1980	7.48	< 10	0.30	0.47	3320	2580	0.07
95009	208	226	0.050	2	0.55	4170	20	< 5	< 10	0.27	< 5	95	70	185	6.53	< 10	0.35	0.28	1310	5240	0.05
95010	208	226	0.080	3	0.33	3830	20	< 5	10	0.17	< 5	60	70	160	6.98	10	0.26	0.31	1540	19600	0.04
95011	208	226	0.035	< 1	0.36	2270	20	< 5	< 10	0.18	< 5	55	70	285	6.41	< 10	0.20	0.28	1360	2080	0.05
95012	208	226	0.075	< 1	0.61	3250	20	< 5	< 10	0.22	< 5	60	100	95	5.30	< 10	0.44	0.35	1330	2160	0.05
95013	208	226	0.245	10	0.71	6200	20	< 5	20	0.34	< 5	70	50	3150	9.53	< 10	0.50	0.69	2360	500	0.04
95014	208	226	0.025	3	0.69	1880	20	< 5	< 10	0.33	< 5	25	50	1225	11.30	< 10	0.48	0.94	2750	375	0.04
95015	208	226	0.165	71	0.68	6820	< 20	< 5	< 10	0.50	< 5	110	50	22900	15.85	< 10	0.30	1.29	2930	295	0.04
95016	208	226	0.045	17	0.82	100	20	< 5	< 10	0.61	5	20	170	4600	16.95	< 10	0.33	1.78	7210	30	0.04
95017	208	226	0.050	32	0.92	1760	< 20	< 5	< 10	0.57	< 5	45	340	9660	19.55	< 10	0.19	1.90	3230	285	0.04
95018	208	226	< 0.005	1	3.86	60	640	< 5	< 10	2.01	< 5	45	990	190	9.67	< 10	2.05	5.08	6450	< 5	0.08
95019	208	226	< 0.005	1	1.86	280	80	< 5	< 10	1.02	< 5	20	80	455	8.98	< 10	0.70	1.65	4490	15	0.06
95020	208	226	< 0.005	1	2.14	130	120	< 5	< 10	0.98	< 5	10	80	360	4.20	< 10	0.37	0.78	1600	30	0.21
95021	208	226	< 0.005	< 1	4.35	30	360	< 5	< 10	2.37	< 5	10	290	135	6.08	< 10	0.79	2.17	2750	5	0.33
95022	208	226	0.225	16	3.73	400	80	< 5	< 10	0.45	< 5	25	30	7000	11.15	< 10	0.52	1.36	3820	55	0.08
95023	208	226	0.105	29	4.84	120	40	< 5	< 10	0.76	< 5	20	220	11200	16.05	< 10	0.37	2.17	3690	410	0.05
95024	208	226	0.060	18	5.05	120	60	< 5	< 10	1.21	< 5	35	180	7370	15.85	< 10	0.38	1.96	3700	275	0.05
95025	208	226	0.065	29	4.53	60	80	< 5	< 10	0.71	10	30	40	9160	16.60	< 10	0.43	1.65	4120	145	0.06
95026	208	226	0.020	16	5.21	40	80	< 5	< 10	0.45	5	15	40	3700	13.30	< 10	0.65	1.35	2850	85	0.10
95027	208	226	< 0.005	8	5.46	40	20	< 5	< 10	0.43	< 5	10	20	1775	14.70	< 10	0.68	1.35	3640	165	0.04
95028	208	226	< 0.005	6	4.41	60	20	< 5	< 10	0.30	< 5	30	20	1525	13.80	< 10	0.86	1.12	3320	80	0.04
95029	208	226	< 0.005	1	2.81	60	60	< 5	< 10	0.37	< 5	10	20	685	6.41	< 10	0.74	0.76	1600	10	0.08
95030	208	226	0.230	50	2.45	60	40	< 5	< 10	0.62	5	35	10	13550	16.20	< 10	0.40	1.21	5050	60	0.06
95031	208	226	< 0.005	16	1.68	70	80	< 5	< 10	0.98	< 5	10	10	5590	13.95	< 10	0.58	1.30	3940	5	0.06
95032	208	226	< 0.005	1	2.10	80	40	< 5	< 10	0.96	< 5	15	20	800	6.85	< 10	0.90	0.69	2280	5	0.07
95033	208	226	0.090	6	1.67	110	40	< 5	< 10	0.65	< 5	5	10	885	12.55	< 10	0.70	1.08	3320	10	0.04
95034	208	226	0.035	1	2.20	80	20	< 5	< 10	0.53	< 5	15	90	345	18.60	< 10	0.20	1.44	3840	20	0.05
95035	208	226	< 0.005	1	1.46	40	20	< 5	< 10	0.50	< 5	5	20	245	13.60	< 10	0.46	1.21	3880	50	0.04
95036	208	226	0.020	1	2.21	60	20	< 5	< 10	0.51	< 5	15	20	385	14.95	< 10	0.39	1.24	3480	30	0.04
95037	208	226	0.050	10	1.23	500	20	< 5	< 10	0.63	< 5	30	30	2650	13.50	< 10	0.39	0.99	2900	35	0.04
95038	208	226	< 0.005	< 1	0.80	290	20	< 5	< 10	0.55	< 5	10	30	385	11.60	< 10	0.51	0.91	3720	20	0.03
95039	208	226	< 0.005	1	0.55	950	< 20	< 5	< 10	0.24	< 5	20	60	680	3.09	< 10	0.43	0.21	770	< 5	0.04
95040	208	226	< 0.005	2	0.84	730	20	< 5	< 10	0.30	< 5	20	40	995	6.70	< 10	0.58	0.50	1780	5	0.04

95-1

0.81 %Mo / 17.6'

1.24 %Cu / 15'

0.77 %Cu / 25'

.59 / 50.4'

0.42 %Cu / 25.4'

PRELIMINARY

CERTIFICATE INCOMPLETE

CERTIFICATION:

09/28/95 11:24AM CHEMEX LABS VAX-FAX PAGE 002

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: IMPERIAL METALS CORPORATION

420 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

Project : GIANT COPPER
Comments: CC: MARK TINDALL

Page Number 1-B
Total Pages 7
Certificate Date 26-SEP-95
Invoice No. I-9528604
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9528604

SAMPLE DESCRIPTION	PREP CODE	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
95001	208 226	< 5	1100	5	< 10	< 5	80	0.16	< 20	< 20	100	< 20	90
95002	208 226	< 5	1000	< 5	< 10	< 5	95	0.16	< 20	< 20	80	< 20	65
95003	208 226	< 5	900	< 5	< 10	< 5	65	0.14	< 20	< 20	80	< 20	80
95004	208 226	5	1000	20	< 10	< 5	20	0.08	< 20	< 20	80	< 20	130
95005	208 226	5	900	5	< 10	< 5	30	0.10	< 20	< 20	100	< 20	105
95006	208 226	< 5	900	5	< 10	< 5	20	0.13	< 20	< 20	80	< 20	210
95007	208 226	20	900	< 5	< 10	< 5	95	0.11	< 20	< 20	80	< 20	60
95008	208 226	25	100	< 5	< 10	5	10	< 0.01	< 20	920	< 20	< 20	75
95009	208 226	35	300	< 5	< 10	< 5	5	< 0.01	< 20	680	< 20	< 20	55
95010	208 226	10	< 100	< 5	< 10	< 5	< 5	< 0.01	< 20	1380	< 20	< 20	20
95011	208 226	20	100	5	< 10	< 5	5	< 0.01	< 20	240	< 20	< 20	40
95012	208 226	15	200	5	< 10	< 5	5	< 0.01	< 20	40	< 20	< 20	20
95013	208 226	30	600	5	20	< 5	5	< 0.01	< 20	< 20	20	< 20	150
95014	208 226	15	300	< 5	< 10	< 5	5	< 0.01	< 20	< 20	20	< 20	75
95015	208 226	95	1100	10	50	5	5	< 0.01	< 20	< 20	60	< 20	205
95016	208 226	155	700	90	80	20	5	< 0.01	< 20	< 20	140	< 20	910
95017	208 226	190	1000	30	80	20	5	< 0.01	< 20	< 20	140	< 20	610
95018	208 226	390	300	85	40	20	20	0.19	< 20	< 20	160	< 20	795
95019	208 226	65	400	40	30	15	10	0.03	< 20	< 20	100	< 20	220
95020	208 226	35	300	20	< 10	delay	55	0.06	< 20	< 20	80	< 20	155
95021	208 226	65	400	135	< 10	10	95	0.20	< 20	< 20	140	< 20	320
95022	208 226	50	700	100	< 10	5	10	0.03	< 20	< 20	80	< 20	475
95023	208 226	90	1300	70	< 10	15	5	0.02	< 20	< 20	140	< 20	630
95024	208 226	80	1500	75	< 10	15	10	0.04	< 20	< 20	160	< 20	545
95025	208 226	40	1400	195	< 10	10	5	0.02	< 20	< 20	140	< 20	1100
95026	208 226	30	700	65	< 10	10	15	0.04	< 20	< 20	120	< 20	880
95027	208 226	20	1200	30	< 10	10	5	0.01	< 20	< 20	120	< 20	345
95028	208 226	45	600	30	10	10	< 5	0.01	< 20	< 20	140	< 20	360
95029	208 226	20	400	20	< 10	5	10	0.04	< 20	< 20	100	< 20	175
95030	208 226	35	1100	125	< 10	10	10	0.01	< 20	< 20	120	< 20	930
95031	208 226	20	1100	30	< 10	5	15	< 0.01	< 20	< 20	80	< 20	250
95032	208 226	20	500	15	< 10	5	10	0.03	< 20	< 20	80	< 20	140
95033	208 226	30	700	95	10	5	10	< 0.01	< 20	< 20	60	< 20	435
95034	208 226	45	900	20	< 10	10	5	< 0.01	< 20	< 20	140	< 20	330
95035	208 226	25	900	20	< 10	5	5	< 0.01	< 20	< 20	80	< 20	65
95036	208 226	40	1100	35	< 10	10	5	< 0.01	< 20	< 20	100	< 20	95
95037	208 226	65	1400	5	20	5	5	< 0.01	< 20	< 20	60	< 20	80
95038	208 226	20	900	< 5	10	5	5	< 0.01	< 20	< 20	20	< 20	40
95039	208 226	15	500	< 5	10	< 5	< 5	< 0.01	< 20	< 20	< 20	< 20	15
95040	208 226	30	400	< 5	< 10	< 5	< 5	< 0.01	< 20	< 20	< 20	< 20	35

CERTIFICATE INCOMPLETE

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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Account :

CERTIFICATE OF ANALYSIS A9528604

SAMPLE DESCRIPTION	PREP CODE		Au g/t FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	Mg %	Mn ppm	Mo ppm	Na %
95041	208	226	0.020	2	0.19	430	< 20	< 5	< 10	0.91	< 5	15	20	545	2.33	< 10	0.15	0.16	600	5	0.04
95042	208	226	0.010	1	0.75	600	< 20	< 5	< 10	1.04	< 5	15	30	830	2.91	< 10	0.48	0.22	910	5	0.04
95043	208	226	0.025	3	0.30	820	< 20	< 5	< 10	0.69	< 5	20	40	1210	4.75	< 10	0.23	0.35	1770	5	0.04
95044	208	226	0.015	< 1	0.89	630	20	< 5	< 10	0.33	< 5	15	30	465	4.73	< 10	0.66	0.32	1590	5	0.06
95045	208	226	0.065	19	0.39	1140	20	< 5	40	1.43	< 5	30	< 10	4940	7.88	< 10	0.43	0.76	2150	5	0.04
95046	208	226	0.035	7	1.37	500	40	< 5	< 10	0.52	< 5	35	< 10	2140	9.86	< 10	0.88	0.66	3830	< 5	0.06
95047	208	226	0.020	3	0.55	480	40	< 5	< 10	0.61	< 5	15	10	1185	7.63	< 10	0.60	0.55	2740	5	0.04
95048	208	226	0.030	8	1.02	660	20	< 5	10	0.82	< 5	20	20	3430	5.73	< 10	0.79	0.38	1740	< 5	0.06
95049	208	226	0.015	7	0.60	240	20	< 5	10	0.83	< 5	20	< 10	1325	6.93	< 10	0.63	0.50	2310	5	0.04
95050	208	226	0.030	9	1.26	260	40	< 5	< 10	1.15	< 5	50	< 10	2210	7.35	< 10	0.90	0.46	2610	5	0.06
95051	208	226	0.025	7	1.03	350	20	< 5	30	0.33	< 5	15	20	1745	5.63	< 10	0.79	0.36	1490	< 5	0.06
95052	208	226	0.020	2	3.13	340	40	< 5	< 10	2.55	< 5	55	20	1615	7.82	< 10	0.39	0.55	1110	< 5	0.32
95053	208	226	0.020	4	0.72	650	20	< 5	< 10	0.34	< 5	20	30	1585	2.80	< 10	0.43	0.20	790	10	0.06
95054	208	226	0.605	< 1	0.49	4940	< 20	< 5	< 10	0.39	< 5	50	80	730	3.41	< 10	0.24	0.24	1080	115	0.06
95055	208	226	0.035	3	1.22	1230	20	< 5	< 10	0.45	< 5	35	20	900	7.99	< 10	0.93	0.57	2540	10	0.05
95056	208	226	0.005	< 1	4.91	30	160	< 5	< 10	3.27	< 5	15	60	260	3.97	< 10	0.15	1.04	470	< 5	0.80
95057	208	226	0.010	< 1	3.18	170	60	< 5	< 10	2.41	< 5	20	40	495	5.59	< 10	0.34	1.21	880	15	0.35
95058	208	226	0.045	5	2.29	100	60	< 5	< 10	0.98	< 5	35	20	1545	8.54	< 10	0.61	1.04	1620	15	0.08
95059	208	226	0.110	11	2.56	240	60	< 5	< 10	0.88	< 5	40	20	4400	9.23	< 10	0.76	0.89	2270	35	0.06
95060	208	226	0.090	5	1.98	60	40	< 5	< 10	1.92	< 5	30	20	2620	6.47	< 10	0.69	0.93	2060	35	0.08
95061	208	226	0.085	18	1.70	150	40	< 5	30	0.63	< 5	40	20	4650	11.05	< 10	0.98	0.81	2870	45	0.04
95062	208	226	0.080	< 1	0.47	690	< 20	< 5	< 10	0.57	< 5	10	80	270	4.16	< 10	0.15	0.35	1430	65	0.06
95063	208	226	0.060	< 1	0.36	480	< 20	< 5	< 10	0.41	< 5	15	70	410	4.82	< 10	0.06	0.45	2570	110	0.07
95064	208	226	0.215	< 1	0.28	4020	< 20	< 5	< 10	2.68	< 5	45	80	245	3.59	< 10	0.09	0.73	1610	1810	0.06
95065	208	226	0.050	24	0.97	520	40	< 5	< 10	2.86	< 5	65	20	7450	13.10	< 10	0.40	0.73	3410	960	0.04
95066	208	226	0.025	4	1.39	30	40	< 5	< 10	1.99	< 5	15	20	1170	5.39	< 10	0.39	0.71	1630	20	0.08
95067	208	226	0.025	1	2.13	470	60	< 5	< 10	1.91	< 5	20	30	385	5.30	< 10	0.51	0.68	1180	5	0.11
95068	208	226	0.010	< 1	2.32	30	60	< 5	< 10	2.30	< 5	15	20	300	4.72	< 10	0.36	0.77	1030	< 5	0.20
95069	208	226	0.015	1	2.06	30	60	< 5	< 10	2.63	< 5	15	20	595	3.76	< 10	0.35	0.55	920	5	0.22
95070	208	226	0.025	1	0.94	20	40	< 5	< 10	3.00	< 5	20	10	895	4.10	< 10	0.27	0.38	1060	< 5	0.08
95071	208	226	0.070	2	2.22	1020	60	< 5	< 10	1.44	< 5	30	30	880	5.72	< 10	0.68	0.52	1150	< 5	0.06
95072	208	226	0.030	1	2.29	400	60	< 5	< 10	1.84	< 5	10	30	355	5.43	< 10	0.56	0.61	1180	5	0.08
95073	208	226	< 0.005	< 1	2.08	130	40	< 5	< 10	1.59	< 5	20	40	225	5.54	< 10	0.16	0.89	710	5	0.21
95074	208	226	0.020	2	1.25	20	20	< 5	< 10	1.95	< 5	20	30	925	4.45	< 10	0.14	0.59	610	< 5	0.16
95075	208	226	< 0.005	< 1	5.61	10	60	< 5	< 10	4.07	< 5	10	10	290	2.28	< 10	0.08	0.52	500	< 5	0.99
95076	208	226	< 0.005	< 1	2.94	30	40	< 5	< 10	2.27	< 5	20	30	310	4.18	< 10	0.04	0.70	500	< 5	0.49
95077	208	226	0.010	< 1	1.27	40	20	< 5	< 10	1.12	< 5	15	30	140	4.04	< 10	0.03	0.64	450	< 5	0.21
95078	208	226	0.025	< 1	1.33	100	520	< 5	< 10	1.48	< 5	20	40	170	4.42	< 10	0.04	0.58	510	< 5	0.24
95079	208	226	0.005	< 1	1.50	110	4020	< 5	< 10	2.34	< 5	20	30	225	4.84	< 10	0.04	0.54	750	5	0.17
95080	208	226	0.015	< 1	1.49	190	40	< 5	< 10	1.78	< 5	35	60	425	4.88	< 10	0.07	0.76	620	< 5	0.17

0.22 % Cu / 44.2'

0.33 % Cu / 22'

0.42 % Cu / 10.2'

PRELIMINARY

CERTIFICATE INCOMPLETE

CERTIFICATION: _____

09/28/95 11:27AM CHEMEX LABS VAX-FAX PAGE 004

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: IMPERIAL METALS CORPORATION

420 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

Project : GIANT COPPER
Comments: CC: MARK TINDALL

Page Number 2-B
Total Pages 7
Certificate Date 28-SEP-95
Invoice No. I-9528604
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9528604

SAMPLE DESCRIPTION	PREP CODE		Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
95041	208	226	30	900	< 5	< 10	< 5	< 5	< 0.01	< 20	< 20	< 20	< 20	15
95042	208	226	20	1000	< 5	10	< 5	5	< 0.01	< 20	< 20	< 20	< 20	45
95043	208	226	20	900	< 5	< 10	< 5	5	< 0.01	< 20	< 20	< 20	< 20	40
95044	208	226	30	400	< 5	< 10	< 5	< 5	< 0.01	< 20	< 20	< 20	< 20	65
95045	208	226	60	900	25	10	< 5	5	< 0.01	< 20	< 20	20	< 20	160
95046	208	226	35	700	30	< 10	5	5	< 0.01	< 20	< 20	40	< 20	330
95047	208	226	20	1000	< 5	10	< 5	< 5	< 0.01	< 20	< 20	< 20	< 20	50
95048	208	226	25	400	< 5	10	< 5	5	< 0.01	< 20	< 20	< 20	< 20	45
95049	208	226	20	800	50	< 10	< 5	5	< 0.01	< 20	< 20	< 20	< 20	225
95050	208	226	40	400	50	< 10	< 5	10	< 0.01	< 20	< 20	20	< 20	200
95051	208	226	15	200	10	< 10	< 5	5	< 0.01	< 20	< 20	< 20	< 20	80
95052	208	226	25	1200	< 5	10	5	60	0.03	< 20	< 20	20	< 20	70
95053	208	226	20	800	< 5	10	< 5	5	< 0.01	< 20	< 20	< 20	< 20	30
95054	208	226	30	1400	< 5	10	< 5	5	< 0.01	< 20	< 20	20	< 20	65
95055	208	226	40	700	30	10	5	5	< 0.01	< 20	< 20	60	< 20	705
95056	208	226	40	800	5	< 10	5	235	0.18	< 20	< 20	60	< 20	100
95057	208	226	30	900	5	< 10	10	70	0.13	< 20	< 20	160	< 20	165
95058	208	226	40	600	35	< 10	5	10	0.02	< 20	< 20	120	< 20	180
95059	208	226	50	600	40	< 10	10	10	0.01	< 20	< 20	140	< 20	195
95060	208	226	45	700	65	< 10	5	15	0.01	< 20	< 20	120	< 20	295
95061	208	226	90	1000	45	20	5	5	< 0.01	< 20	< 20	100	< 20	265
95062	208	226	15	1700	< 5	< 10	< 5	5	< 0.01	< 20	< 20	20	< 20	25
95063	208	226	15	1600	10	10	< 5	5	< 0.01	< 20	< 20	< 20	< 20	30
95064	208	226	45	3600	< 5	10	< 5	10	< 0.01	< 20	< 20	< 20	< 20	20
95065	208	226	65	800	< 5	10	< 5	15	< 0.01	< 20	100	40	< 20	140
95066	208	226	30	1000	20	< 10	10	20	0.03	< 20	< 20	140	< 20	280
95067	208	226	15	600	10	< 10	5	20	0.04	< 20	< 20	120	< 20	105
95068	208	226	15	900	< 5	< 10	10	30	0.15	< 20	< 20	120	< 20	95
95069	208	226	15	700	5	< 10	10	40	0.07	< 20	< 20	100	< 20	125
95070	208	226	15	600	5	< 10	10	25	0.01	< 20	< 20	80	< 20	255
95071	208	226	30	500	25	< 10	5	15	0.03	< 20	< 20	160	< 20	180
95072	208	226	15	800	5	< 10	10	15	0.06	< 20	< 20	140	< 20	95
95073	208	226	20	700	10	10	15	20	0.22	< 20	< 20	260	< 20	105
95074	208	226	20	800	< 5	< 10	15	15	0.31	< 20	< 20	200	< 20	95
95075	208	226	5	800	5	< 10	< 5	240	0.20	< 20	< 20	60	< 20	190
95076	208	226	20	700	5	< 10	10	105	0.24	< 20	< 20	160	< 20	95
95077	208	226	30	600	10	< 10	10	20	0.22	< 20	< 20	180	< 20	50
95078	208	226	30	600	5	< 10	10	30	0.23	< 20	< 20	180	< 20	65
95079	208	226	35	700	< 5	< 10	15	40	0.08	< 20	< 20	200	< 20	65
95080	208	226	40	300	< 5	< 10	15	20	0.07	< 20	< 20	220	< 20	60

CERTIFICATE INCOMPLETE

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: IMPERIAL METALS CORPORATION

420 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

Project : GIANT COPPER
Comments: CC: MARK TINDALL

Certificate Date 28-SEP-95
Invoice No. I-9528604
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9528604

SAMPLE DESCRIPTION	PREP CODE		Au g/t FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	Mg %	Mn ppm	Mo ppm	Na %
95081	208	226	0.010	< 1	1.21	50	< 20	< 5	< 10	1.48	< 5	15	30	305	2.60	< 10	0.03	0.54	540	15	0.25
95082	208	226	0.005	< 1	1.38	110	< 20	< 5	< 10	1.82	< 5	30	20	430	3.57	< 10	0.03	0.55	410	30	0.20
95083	208	226	0.015	1	2.41	110	< 20	< 5	< 10	2.89	< 5	55	10	1090	7.80	< 10	0.03	1.08	1070	< 5	0.16
95084	208	226	0.115	1	3.52	2090	20	< 5	< 10	2.62	< 5	50	20	580	8.15	< 10	0.31	0.95	1270	5	0.24
95085	208	226	0.010	< 1	1.37	50	< 20	< 5	< 10	1.37	< 5	30	30	420	4.10	< 10	0.09	0.62	560	< 5	0.19
95086	208	226	0.010	< 1	0.97	30	< 20	< 5	< 10	1.23	< 5	20	20	270	2.60	< 10	0.02	0.57	370	< 5	0.14
95087	208	226	0.005	< 1	1.24	70	< 20	< 5	< 10	1.79	< 5	35	30	540	3.26	< 10	0.03	0.70	660	< 5	0.13
95088	208	226	< 0.005	< 1	1.11	20	< 20	< 5	< 10	1.59	< 5	15	30	335	3.02	< 10	0.02	0.62	530	< 5	0.13
95089	208	226	< 0.005	< 1	0.83	20	< 20	< 5	< 10	1.05	< 5	15	20	235	2.79	< 10	0.02	0.54	330	< 5	0.19
95090	208	226	< 0.005	< 1	0.69	< 10	< 20	< 5	< 10	1.11	< 5	20	20	330	3.39	< 10	0.01	0.49	350	< 5	0.18
95091	208	226	0.005	< 1	0.86	20	< 20	< 5	< 10	1.32	< 5	15	20	435	2.77	< 10	0.03	0.60	440	< 5	0.17
95092	208	226	0.065	1	2.37	30	20	< 5	< 10	2.60	< 5	60	10	1055	6.19	< 10	0.04	0.95	880	< 5	0.20
95093	208	226	0.265	7	1.48	< 10	20	< 5	< 10	2.29	< 5	10	10	4510	3.69	< 10	0.04	0.86	660	< 5	0.11
95094	208	226	0.045	1	1.30	40	< 20	< 5	< 10	1.67	< 5	20	20	1210	4.16	< 10	0.03	0.68	510	< 5	0.11
95095	208	226	0.015	< 1	1.04	< 10	20	< 5	< 10	1.40	< 5	10	30	245	2.67	< 10	0.02	0.55	460	< 5	0.16
95096	208	226	< 0.005	< 1	1.82	10	20	< 5	< 10	2.06	< 5	20	30	345	4.09	< 10	0.03	0.62	610	5	0.14
95097	208	226	0.040	4	0.45	980	160	< 5	< 10	0.21	< 5	30	50	2040	11.30	< 10	0.30	0.87	2920	5	0.04
95098	208	226	0.015	1	0.56	330	20	< 5	< 10	0.22	< 5	5	10	310	9.71	< 10	0.56	0.78	2030	535	0.05
95099	208	226	0.040	1	0.50	610	20	< 5	< 10	0.37	< 5	20	30	440	13.75	< 10	0.34	1.10	3010	170	0.05
95100	208	226	0.020	< 1	0.34	410	20	< 5	< 10	0.21	< 5	10	30	145	11.60	< 10	0.17	1.05	2560	395	0.05
95101	208	226	0.015	< 1	0.45	310	< 20	< 5	< 10	0.29	< 5	10	50	130	14.75	< 10	0.08	1.29	3430	30	0.04
95102	208	226	0.215	82	0.77	80	20	< 5	< 10	0.62	< 5	30	< 10	25000	14.90	< 10	0.43	0.99	2760	210	0.04
95103	208	226	0.085	14	0.80	130	20	< 5	< 10	0.52	< 5	10	10	4620	12.90	< 10	0.71	1.22	3180	520	0.04
95104	208	226	0.200	46	0.57	5140	< 20	< 5	< 10	0.52	< 5	95	10	17070	13.80	< 10	0.31	1.06	3310	455	0.04
95105	208	226	0.360	51	2.00	100	20	< 5	< 10	0.55	5	40	10	17470	16.35	< 10	0.57	1.19	3690	65	0.05
95106	208	226	0.330	28	3.34	160	20	< 5	< 10	0.50	5	45	40	17830	15.75	< 10	0.26	1.57	4140	120	0.04
95107	208	226	0.065	10	4.88	100	40	< 5	< 10	1.73	< 5	40	160	9500	17.05	< 10	0.20	2.66	5190	175	0.03
95108	208	226	0.100	9	3.92	200	20	< 5	< 10	1.03	< 5	40	30	7100	14.35	< 10	0.26	1.77	3320	380	0.04
95109	208	226	0.030	14	4.53	230	40	< 5	< 10	0.70	< 5	40	110	8980	16.40	10	0.24	2.11	4290	225	0.04
95110	208	226	0.005	6	3.10	50	60	< 5	< 10	2.14	< 5	20	60	4080	9.87	< 10	0.41	1.63	3500	135	0.06
95111	208	226	0.020	9	2.67	110	20	< 5	< 10	1.49	< 5	20	50	6420	13.60	< 10	0.35	1.76	3420	300	0.04
95112	208	226	0.010	11	2.56	90	120	< 5	20	1.51	< 5	40	170	6670	12.00	< 10	0.49	1.57	4840	200	0.09
95113	208	226	0.010	20	1.12	50	120	< 5	< 10	0.48	5	15	10	6140	15.35	< 10	0.45	1.26	3810	230	0.04
95114	208	226	< 0.005	< 1	0.58	30	140	< 5	< 10	0.76	< 5	5	20	380	23.2	< 10	0.25	2.20	5810	265	0.04
95115	208	226	0.075	30	2.62	80	60	< 5	< 10	0.47	5	50	40	10370	19.05	< 10	0.30	1.43	4560	250	0.04
95116	208	226	0.090	22	3.84	190	20	< 5	< 10	0.50	< 5	60	60	7970	22.1	< 10	0.21	1.67	6170	20	0.04
95117	208	226	0.030	19	2.59	120	40	< 5	< 10	0.47	< 5	20	10	4860	17.10	< 10	0.38	1.35	4350	5	0.05
95118	208	226	0.010	42	1.37	70	60	< 5	< 10	0.48	< 5	15	10	10080	18.90	< 10	0.31	1.20	3690	5	0.06
95119	208	226	0.010	22	1.50	30	80	< 5	< 10	0.48	< 5	5	10	6650	17.95	< 10	0.30	1.39	4050	5	0.05
95120	208	226	< 0.005	2	0.85	70	60	< 5	< 10	0.48	< 5	30	40	695	16.05	< 10	0.36	1.22	3690	< 5	0.04

95-1
95-2

.06 %Cu
56.2'

CERTIFICATE INCOMPLETE

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: IMPERIAL METALS CORPORATION

420 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

Project : GIANT COPPER
Comments: CC: MARK TINDALL

Certificate Date 28-SEP-95
Invoice No. I-9528604
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9528604

SAMPLE DESCRIPTION	PREP CODE		Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
95081	208	226	20	900	5	< 10	5	35	0.13	< 20	< 20	160	< 20	40
95082	208	226	30	700	< 5	10	5	35	0.09	< 20	< 20	140	< 20	45
95083	208	226	30	1200	15	< 10	10	30	0.08	< 20	< 20	140	< 20	265
95084	208	226	35	900	55	< 10	10	40	0.06	< 20	< 20	200	< 20	270
95085	208	226	35	500	15	< 10	5	20	0.11	< 20	< 20	160	< 20	165
95086	208	226	20	800	10	< 10	5	15	0.12	< 20	< 20	140	< 20	205
95087	208	226	30	700	10	< 10	15	15	0.07	< 20	< 20	180	< 20	440
95088	208	226	15	700	< 5	< 10	10	15	0.11	< 20	< 20	160	< 20	200
95089	208	226	15	700	35	< 10	5	15	0.15	< 20	< 20	100	< 20	100
95090	208	226	15	800	15	< 10	5	15	0.15	< 20	< 20	80	< 20	90
95091	208	226	10	900	25	< 10	5	15	0.14	< 20	< 20	80	< 20	180
95092	208	226	35	1200	10	< 10	10	35	0.08	< 20	< 20	140	< 20	85
95093	208	226	15	1400	15	< 10	15	25	0.16	< 20	< 20	180	< 20	75
95094	208	226	25	500	5	< 10	10	15	0.12	< 20	< 20	180	< 20	40
95095	208	226	20	400	< 5	< 10	10	25	0.18	< 20	< 20	160	< 20	115
95096	208	226	35	600	40	< 10	10	20	0.08	< 20	< 20	200	< 20	215
95097	208	226	25	< 100	< 5	< 10	< 5	5	< 0.01	< 20	< 20	20	< 20	85
95098	208	226	15	100	< 5	< 10	< 5	< 5	< 0.01	< 20	< 20	20	< 20	50
95099	208	226	30	< 100	5	< 10	< 5	< 5	< 0.01	< 20	< 20	20	< 20	55
95100	208	226	20	< 100	< 5	< 10	< 5	< 5	< 0.01	< 20	< 20	20	< 20	20
95101	208	226	15	200	5	< 10	< 5	< 5	< 0.01	< 20	< 20	20	< 20	25
95102	208	226	160	1800	30	60	5	5	< 0.01	< 20	< 20	60	< 20	500
95103	208	226	45	1400	15	10	5	5	< 0.01	< 20	< 20	20	< 20	155
95104	208	226	105	1100	< 5	30	5	5	< 0.01	< 20	< 20	40	< 20	195
95105	208	226	85	1400	60	< 10	10	5	< 0.01	< 20	< 20	80	< 20	765
95106	208	226	70	1400	190	< 10	10	5	0.01	< 20	< 20	140	20	1225
95107	208	226	60	1500	10	< 10	15	10	0.02	< 20	< 20	180	< 20	190
95108	208	226	50	1300	30	< 10	10	10	0.01	< 20	< 20	120	< 20	180
95109	208	226	60	900	40	< 10	10	5	0.01	< 20	< 20	160	< 20	285
95110	208	226	25	700	5	< 10	10	20	0.03	< 20	< 20	140	< 20	180
95111	208	226	35	1500	15	< 10	10	10	< 0.01	< 20	< 20	100	< 20	170
95112	208	226	65	1300	45	< 10	10	35	0.05	< 20	< 20	100	< 20	370
95113	208	226	30	800	105	< 10	5	35	< 0.01	< 20	< 20	60	< 20	865
95114	208	226	30	900	< 5	< 10	10	45	< 0.01	< 20	< 20	60	< 20	65
95115	208	226	55	1000	125	< 10	5	10	0.01	< 20	< 20	80	200	1010
95116	208	226	65	900	95	< 10	10	5	0.02	< 20	< 20	120	940	470
95117	208	226	35	700	60	< 10	5	5	0.02	< 20	< 20	80	< 20	560
95118	208	226	45	800	65	< 10	5	15	< 0.01	< 20	< 20	80	< 20	365
95119	208	226	50	800	< 5	< 10	5	25	< 0.01	< 20	< 20	80	< 20	190
95120	208	226	35	800	45	< 10	5	20	< 0.01	< 20	< 20	80	< 20	780

CERTIFICATE INCOMPLETE

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: IMPERIAL TALS CORPORATION

420 - 355 RRARD ST.
VANCOUV, BC
V6C 2G8

Project : GIT COPPER
Comments: CCARK TINDALL

Page Number 4-A
Total Pages 7
Certificate Date 28-SEP-95
Invoice No. I-9528604
P.O. Number :
Account :

CERFICATE OF ANALYSIS A9528604

SAMPLE DESCRIPTION	PREP CODE		Au g/t FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	o m	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	Mg %	Mn ppm	Mo ppm	Na %
95121	208	226	0.020	3	0.92	130	40	< 5	< 10	0.50	< 5	5	10	1000	15.60	< 10	0.35	1.13	3870	< 5	0.04
95122	208	226	0.020	4	0.95	120	40	< 5	< 10	0.43	15	0	10	885	14.70	< 10	0.52	1.03	4040	< 5	0.04
95123	208	226	0.025	1	0.73	120	20	< 5	< 10	0.49	< 5	0	50	555	15.15	< 10	0.28	1.38	7430	< 5	0.04
95124	208	226	0.085	2	0.38	230	< 20	< 5	< 10	0.46	< 5	5	20	740	12.00	< 10	0.30	1.03	6080	< 5	0.04
95125	208	226	0.025	1	1.17	180	160	< 5	< 10	0.62	< 5	5	70	400	11.85	< 10	0.62	1.28	4100	5	0.08
95126	208	226	0.005	< 1	0.71	70	40	< 5	< 10	0.40	< 5	5	20	210	9.51	< 10	0.52	1.15	2990	5	0.04
95127	208	226	0.060	3	1.53	110	40	< 5	< 10	0.41	15	0	10	825	14.30	< 10	0.33	1.46	5460	< 5	0.04
95128	208	226	0.035	6	1.36	110	20	< 5	< 10	0.55	10	5	< 10	825	15.75	< 10	0.23	2.02	11780	< 5	0.04
95129	208	226	0.115	3	1.84	80	20	< 5	10	0.47	5	0	< 10	285	14.45	< 10	0.24	1.78	7160	< 5	0.04
95130	208	226	0.070	1	0.77	80	20	< 5	< 10	0.44	5	0	10	215	12.55	< 10	0.36	1.38	4500	< 5	0.03
95131	208	226	0.055	< 1	0.66	110	< 20	< 5	< 10	0.46	< 5	0	10	345	11.85	< 10	0.37	1.24	3010	< 5	0.03
95132	208	226	0.020	2	0.61	50	20	< 5	< 10	0.44	5	0	10	595	11.65	< 10	0.41	1.14	3720	< 5	0.03
95133	208	226	0.080	2	0.54	80	20	< 5	< 10	0.36	< 5	5	10	705	12.20	< 10	0.37	1.09	4360	< 5	0.03
95134	208	226	0.070	1	0.56	100	20	< 5	< 10	0.40	< 5	0	20	435	12.05	< 10	0.33	1.13	4030	5	0.04
95135	208	226	0.010	1	0.34	150	< 20	< 5	< 10	0.44	< 5	0	30	515	10.80	< 10	0.26	0.92	2850	5	0.03
95136	208	226	0.010	< 1	0.37	280	< 20	< 5	< 10	0.39	< 5	0	40	70	8.27	< 10	0.41	0.73	2380	< 5	0.04
95137	208	226	0.015	< 1	0.38	940	< 20	< 5	< 10	0.48	< 5	5	40	200	6.67	< 10	0.38	0.53	2250	5	0.03
95138	208	226	0.005	< 1	0.51	210	20	< 5	10	0.45	< 5	5	30	355	9.06	< 10	0.58	0.69	2560	5	0.04
95139	208	226	< 0.005	< 1	0.35	300	< 20	< 5	< 10	0.45	< 5	0	50	370	7.16	< 10	0.34	0.49	1730	5	0.03
95140	208	226	0.020	< 1	0.20	840	< 20	< 5	< 10	0.29	< 5	5	50	345	6.28	< 10	0.16	0.34	1490	< 5	0.03
95141	208	226	0.010	< 1	0.18	590	< 20	< 5	< 10	0.24	< 5	0	40	495	5.94	< 10	0.12	0.22	1090	5	0.03
95142	208	226	0.010	< 1	0.27	500	20	< 5	< 10	0.31	< 5	0	70	385	5.52	< 10	0.21	0.23	1120	5	0.03
95143	208	226	< 0.005	9	0.46	300	20	< 5	30	0.45	< 5	5	250	4790	11.45	< 10	0.22	0.61	2520	< 5	0.04
95144	208	226	0.015	1	0.42	520	< 20	< 5	< 10	0.41	< 5	0	50	840	7.28	< 10	0.28	0.49	2080	< 5	0.04
95145	208	226	0.010	2	0.33	460	< 20	< 5	< 10	0.50	< 5	5	70	1065	6.88	< 10	0.24	0.50	2300	< 5	0.04
95146	208	226	0.040	3	0.36	420	< 20	< 5	< 10	0.48	< 5	5	50	1645	5.19	< 10	0.32	0.34	2050	5	0.04
95147	208	226	0.085	1	0.47	700	< 20	< 5	< 10	0.94	< 5	5	50	680	9.25	< 10	0.48	0.67	4180	< 5	0.05
95148	208	226	0.020	1	0.71	310	40	< 5	< 10	0.38	< 5	5	30	595	6.08	< 10	0.82	0.38	1780	5	0.04
95149	208	226	0.025	4	0.60	190	40	< 5	< 10	0.40	< 5	5	20	1825	8.28	< 10	0.68	0.54	2120	< 5	0.03
95150	208	226	0.035	3	0.59	390	20	< 5	< 10	0.43	< 5	0	20	1655	8.55	< 10	0.68	0.52	2340	5	0.04
95151	208	226	0.040	< 1	0.58	440	20	< 5	< 10	0.55	< 5	0	40	485	8.24	< 10	0.53	0.55	2680	< 5	0.04
95152	208	226	0.110	< 1	0.81	1350	20	< 5	< 10	0.60	< 5	0	60	285	5.63	< 10	0.66	0.38	1780	5	0.04
95153	208	226	0.375	< 1	0.78	6910	20	< 5	< 10	1.65	< 5	5	20	260	10.45	< 10	0.58	0.68	3700	< 5	0.04
95154	208	226	0.005	< 1	0.55	430	< 20	< 5	< 10	0.71	< 5	0	40	70	6.23	< 10	0.53	0.41	2160	5	0.04
95155	208	226	0.025	1	0.46	810	20	< 5	< 10	0.44	< 5	5	40	430	9.48	< 10	0.46	0.61	2700	5	0.03
95156	208	226	0.060	1	0.51	3890	< 20	< 5	< 10	0.49	< 5	0	40	685	8.68	< 10	0.40	0.57	2530	25	0.04
95157	208	226	0.020	1	0.54	1070	20	< 5	< 10	0.48	< 5	0	10	860	7.90	< 10	0.56	0.52	2180	40	0.03
95158	208	226	0.035	4	0.38	410	< 20	< 5	< 10	1.06	< 5	5	30	1980	10.90	< 10	0.24	0.75	3300	280	0.04
95159	208	226	0.015	1	0.36	860	< 20	< 5	< 10	0.64	< 5	0	20	860	9.01	< 10	0.25	0.64	2600	420	0.04
95160	208	226	0.035	7	0.46	1050	< 20	< 5	< 10	1.08	< 5	5	30	3190	6.77	< 10	0.37	0.50	2260	140	0.04

CERTIFICATE INCOMPLETE

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: IMPERIAL METALS CORPORATION

420 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

Project : GIANT COPPER
Comments: CC: MARK TINDALL

Certificate Date 28-SEP-95
Invoice No. I-9528604
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9528604

SAMPLE DESCRIPTION	PREP CODE		Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
95121	208	226	50	900	60	10	5	10	< 0.01	< 20	< 20	60	< 20	445
95122	208	226	30	800	75	< 10	5	5	< 0.01	< 20	< 20	60	< 20	1925
95123	208	226	55	800	15	< 10	10	5	< 0.01	< 20	< 20	120	< 20	105
95124	208	226	45	900	< 5	20	5	5	< 0.01	< 20	< 20	40	< 20	100
95125	208	226	50	1100	30	< 10	10	15	0.05	< 20	< 20	80	< 20	280
95126	208	226	20	800	45	< 10	5	5	< 0.01	< 20	< 20	40	< 20	220
95127	208	226	35	900	225	< 10	10	5	< 0.01	< 20	< 20	80	< 20	1940
95128	208	226	20	1000	815	< 10	5	5	< 0.01	< 20	< 20	80	< 20	1625
95129	208	226	20	900	310	< 10	5	5	< 0.01	< 20	< 20	80	< 20	850
95130	208	226	10	800	45	< 10	5	5	< 0.01	< 20	< 20	60	< 20	580
95131	208	226	15	1100	15	< 10	5	5	< 0.01	< 20	< 20	60	< 20	300
95132	208	226	25	900	35	< 10	5	5	< 0.01	< 20	< 20	60	< 20	690
95133	208	226	40	800	40	20	5	< 5	< 0.01	< 20	< 20	60	< 20	200
95134	208	226	50	900	15	10	5	< 5	< 0.01	< 20	< 20	40	< 20	60
95135	208	226	55	1100	15	< 10	5	< 5	< 0.01	< 20	< 20	40	< 20	275
95136	208	226	45	900	10	10	5	< 5	< 0.01	< 20	< 20	20	< 20	55
95137	208	226	30	1700	< 5	< 10	< 5	< 5	< 0.01	< 20	< 20	< 20	< 20	20
95138	208	226	20	900	10	< 10	5	5	< 0.01	< 20	< 20	20	< 20	90
95139	208	226	25	1300	10	< 10	< 5	< 5	< 0.01	< 20	< 20	20	< 20	40
95140	208	226	30	700	< 5	< 10	< 5	< 5	< 0.01	< 20	< 20	< 20	< 20	30
95141	208	226	15	600	< 5	< 10	< 5	< 5	< 0.01	< 20	< 20	< 20	< 20	35
95142	208	226	20	900	10	10	< 5	< 5	< 0.01	< 20	< 20	< 20	< 20	40
95143	208	226	180	900	10	160	15	5	< 0.01	< 20	< 20	40	< 20	80
95144	208	226	30	1100	5	< 10	< 5	5	< 0.01	< 20	< 20	20	< 20	50
95145	208	226	25	1600	10	< 10	< 5	< 5	< 0.01	< 20	< 20	< 20	< 20	40
95146	208	226	20	1500	10	10	< 5	< 5	< 0.01	< 20	< 20	< 20	< 20	40
95147	208	226	20	2200	< 5	< 10	< 5	5	< 0.01	< 20	< 20	< 20	< 20	50
95148	208	226	15	600	< 5	< 10	< 5	< 5	< 0.01	< 20	< 20	< 20	< 20	70
95149	208	226	20	500	15	< 10	< 5	< 5	< 0.01	< 20	< 20	20	< 20	50
95150	208	226	35	700	< 5	< 10	< 5	< 5	< 0.01	< 20	< 20	20	< 20	90
95151	208	226	20	1300	< 5	10	< 5	5	< 0.01	< 20	< 20	20	< 20	20
95152	208	226	30	1700	5	< 10	< 5	5	< 0.01	< 20	< 20	< 20	< 20	20
95153	208	226	50	5900	< 5	20	5	5	< 0.01	< 20	< 20	20	< 20	60
95154	208	226	20	2200	< 5	< 10	< 5	5	< 0.01	< 20	< 20	< 20	< 20	15
95155	208	226	25	1000	10	< 10	5	< 5	< 0.01	< 20	< 20	40	< 20	35
95156	208	226	40	1400	< 5	10	5	< 5	< 0.01	< 20	< 20	40	< 20	10
95157	208	226	25	1200	5	10	5	< 5	< 0.01	< 20	< 20	20	< 20	30
95158	208	226	30	3900	5	< 10	5	5	< 0.01	< 20	< 20	60	< 20	30
95159	208	226	20	1600	10	< 10	< 5	5	< 0.01	< 20	< 20	40	< 20	15
95160	208	226	45	1800	5	20	< 5	5	< 0.01	< 20	< 20	20	< 20	35

CERTIFICATE INCOMPLETE

CERTIFICATION:

95-2
95-3

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brookbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: IMPERIAL METALS CORPORATION

420 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

Project : GIANT COPPER
Comments: CC: MARK TINDALL

Page Number : 1-A
Total Pages : 7
Certificate Date: 29-SEP-95
Invoice No. : I-9528604
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9528604

SAMPLE DESCRIPTION	PREP CODE		Au g/t FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	Mg %	Mn ppm	Mo ppm	Na %
95161	208	226	0.115	10	0.52	6320	< 20	< 5	20	0.85	< 5	50	60	5390	9.99	< 10	0.35	0.58	2880	285	0.04
95162	208	226	0.025	2	0.63	200	20	< 5	10	0.52	< 5	20	30	1405	10.85	< 10	0.58	0.66	3050	140	0.03
95163	208	226	0.085	6	0.64	5790	20	< 5	10	0.69	< 5	45	40	3000	6.82	< 10	0.40	0.56	2360	110	0.04
95164	208	226	1.090	7	0.24	>50000	< 20	< 5	80	0.74	5	310	60	2950	7.29	< 10	0.23	0.32	1280	720	0.04
95165	208	226	0.355	3	0.31	27200	< 20	< 5	10	0.74	< 5	190	50	1795	5.24	< 10	0.31	0.24	1160	930	0.05
95166	208	226	0.575	12	0.51	20200	< 20	< 5	20	1.08	< 5	190	60	5550	6.85	< 10	0.40	0.40	2180	380	0.04
95167	208	226	0.365	21	0.55	5180	60	< 5	< 10	0.64	< 5	115	150	6570	10.35	< 10	0.47	0.67	2500	300	0.04
95168	208	226	0.450	26	0.66	2050	600	< 5	< 10	0.37	5	210	40	8300	14.60	< 10	0.42	0.71	3140	805	0.03
95169	208	226	1.840	8	0.55	6530	80	< 5	50	0.22	< 5	780	40	2720	14.50	< 10	0.38	0.57	2570	720	0.03
95170	208	226	0.045	1	0.79	70	60	< 5	< 10	2.25	< 5	20	20	890	3.26	< 10	0.34	0.26	930	10	0.06
95171	208	226	0.090	1	1.42	30	40	< 5	< 10	1.90	< 5	30	70	645	3.89	< 10	0.29	0.48	530	5	0.14
95172	208	226	0.325	15	1.30	9630	60	< 5	170	1.61	< 5	80	30	2750	7.27	< 10	0.49	0.54	1110	5	0.07
95173	208	226	0.145	2	1.00	2870	40	< 5	20	2.06	< 5	70	40	600	4.07	< 10	0.36	0.41	1080	10	0.04
95174	208	226	0.015	< 1	2.05	30	20	< 5	< 10	2.42	< 5	15	40	265	3.65	< 10	0.26	0.51	750	< 5	0.21
95175	208	226	0.185	2	2.48	410	60	< 5	< 10	2.18	< 5	35	30	1150	6.04	< 10	0.29	0.72	860	35	0.19
95176	208	226	0.025	1	1.96	50	20	< 5	< 10	1.75	< 5	20	30	805	4.90	< 10	0.19	0.72	700	5	0.16
95177	208	226	0.030	3	2.32	20	20	< 5	< 10	2.43	< 5	10	60	1155	4.97	< 10	0.39	0.73	1210	75	0.12
95178	208	226	0.015	1	1.16	10	40	< 5	< 10	3.91	< 5	5	50	385	3.65	< 10	0.26	0.49	1010	10	0.12
95179	208	226	0.115	5	1.83	480	40	< 5	20	2.46	< 5	35	30	840	5.80	< 10	0.37	0.60	1250	5160	0.11
95180	208	226	0.085	1	1.34	40	< 20	< 5	< 10	1.43	< 5	25	50	1150	3.95	< 10	0.07	0.88	500	35	0.12
95181	208	226	0.005	1	1.71	30	20	< 5	< 10	1.55	< 5	35	50	720	5.25	< 10	0.14	0.85	640	10	0.13
95182	208	226	< 0.005	1	1.32	20	40	< 5	< 10	3.46	< 5	30	30	500	4.99	< 10	0.24	0.57	880	15	0.13
95183	208	226	< 0.005	1	2.70	10	40	< 5	< 10	2.70	< 5	10	40	375	2.39	< 10	0.12	0.53	610	10	0.44
95184	208	226	0.010	< 1	3.17	20	40	< 5	10	3.05	< 5	5	30	205	2.87	< 10	0.09	0.87	860	10	0.41
95185	208	226	0.155	2	4.48	240	180	< 5	10	4.01	< 5	10	230	1125	2.10	< 10	0.17	1.37	570	15	0.28
95186	208	226	< 0.005	< 1	5.09	40	220	< 5	< 10	3.72	< 5	5	340	100	2.51	< 10	0.64	1.87	470	< 5	0.29
95187	208	226	< 0.005	1	1.83	70	20	< 5	< 10	2.86	< 5	15	30	410	3.21	< 10	0.31	0.81	960	5	0.15
95188	208	226	< 0.005	1	1.37	80	40	< 5	< 10	2.81	< 5	15	30	260	3.07	< 10	0.37	0.61	1110	10	0.10
95189	208	226	< 0.005	1	0.86	2140	40	< 5	< 10	2.28	5	10	30	160	3.66	< 10	0.50	0.58	1590	5	0.04
95190	208	226	< 0.010	< 1	4.64	200	240	< 5	10	1.23	< 5	30	740	340	6.79	< 10	1.24	3.93	1200	5	0.16
95191	208	226	< 0.005	< 1	3.90	60	320	< 5	10	1.05	< 5	40	1260	90	5.45	< 10	2.25	6.03	510	< 5	0.13
95192	208	226	< 0.005	< 1	3.71	20	280	< 5	10	0.82	< 5	40	1170	90	5.08	< 10	2.34	5.76	340	< 5	0.11
95193	208	226	< 0.005	< 1	4.96	40	240	< 5	10	1.83	< 5	20	730	245	4.83	< 10	1.50	3.44	680	5	0.16
95194	208	226	< 0.005	< 1	4.84	90	140	< 5	< 10	1.55	< 5	20	290	365	3.94	< 10	0.49	1.42	800	10	0.25
95195	208	226	< 0.005	< 1	4.06	90	280	< 5	< 10	0.89	< 5	20	940	205	4.78	< 10	1.83	4.37	1480	5	0.09
95196	208	226	< 0.005	< 1	5.00	120	420	< 5	< 10	0.82	< 5	40	1140	685	6.79	< 10	1.96	5.35	1300	10	0.06
95197	208	226	0.010	< 1	2.93	80	160	< 5	< 10	1.04	< 5	35	190	905	4.88	< 10	0.37	1.39	490	5	0.20
95198	208	226	0.025	< 1	1.94	30	40	< 5	< 10	0.36	< 5	10	20	760	4.06	< 10	0.15	1.04	750	< 5	0.11
95199	208	226	< 0.005	< 1	3.06	10	80	< 5	< 10	1.68	< 5	20	270	350	3.42	< 10	0.50	1.51	380	< 5	0.34
95200	208	226	< 0.005	< 1	3.84	100	200	< 5	10	0.93	< 5	35	1050	490	7.05	< 10	1.28	3.82	700	5	0.09

CERTIFICATION:

95-2

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: IMPERIAL METALS CORPORATION

420 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

Project : GIANT COPPER
Comments: CC: MARK TINDALL

Page Number 5-B
Total Pages 7
Certificate Date 29-SEP-95
Invoice No. I-9528604
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9528604

SAMPLE DESCRIPTION	PREP CODE		Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
95161	208	226	45	2700	30	20	5	5	< 0.01	< 20	< 20	40	< 20	60
95162	208	226	50	1000	5	20	10	5	< 0.01	< 20	60	80	< 20	45
95163	208	226	40	1200	20	30	5	10	< 0.01	< 20	40	20	< 20	240
95164	208	226	100	900	10	130	< 5	< 5	< 0.01	< 20	60	< 20	< 20	80
95165	208	226	55	1200	10	70	< 5	5	< 0.01	< 20	140	< 20	< 20	90
95166	208	226	65	1200	15	60	5	< 5	< 0.01	< 20	40	40	< 20	145
95167	208	226	100	900	30	10	5	15	< 0.01	< 20	160	40	< 20	230
95168	208	226	60	1100	70	< 10	5	70	< 0.01	< 20	160	60	20	895
95169	208	226	45	300	115	< 10	< 5	20	< 0.01	< 20	< 20	20	300	500
95170	208	226	15	500	20	< 10	5	20	< 0.01	< 20	< 20	40	< 20	100
95171	208	226	15	500	10	< 10	10	25	0.08	< 20	< 20	160	< 20	85
95172	208	226	50	800	120	70	10	30	0.01	< 20	40	60	< 20	235
95173	208	226	15	400	40	10	< 5	10	< 0.01	20	< 20	20	< 20	75
95174	208	226	10	800	25	< 10	10	35	0.19	< 20	20	140	< 20	110
95175	208	226	20	1100	20	< 10	10	30	0.18	< 20	< 20	160	< 20	135
95176	208	226	20	1100	35	< 10	15	30	0.29	< 20	< 20	200	< 20	80
95177	208	226	15	700	20	< 10	15	20	0.10	< 20	< 20	260	< 20	120
95178	208	226	25	500	40	< 10	15	15	0.05	< 20	< 20	220	< 20	195
95179	208	226	25	1000	40	< 10	10	15	0.07	< 20	860	160	< 20	140
95180	208	226	35	600	20	< 10	15	20	0.10	< 20	< 20	240	< 20	100
95181	208	226	40	600	30	< 10	15	10	0.15	< 20	< 20	240	< 20	100
95182	208	226	35	800	20	< 10	15	25	0.14	< 20	< 20	160	< 20	180
95183	208	226	30	1200	35	< 10	10	70	0.27	< 20	< 20	140	< 20	185
95184	208	226	15	700	20	< 10	5	95	0.26	< 20	< 20	120	< 20	130
95185	208	226	130	300	35	< 10	5	135	0.11	< 20	20	60	140	130
95186	208	226	180	400	30	< 10	5	180	0.15	< 20	< 20	60	< 20	90
95187	208	226	30	900	100	< 10	5	30	0.03	< 20	20	140	< 20	300
95188	208	226	15	600	85	< 10	5	20	0.01	< 20	< 20	120	< 20	370
95189	208	226	10	500	120	10	5	15	< 0.01	< 20	< 20	40	< 20	920
95190	208	226	270	700	5	< 10	5	45	0.19	< 20	20	120	< 20	130
95191	208	226	465	200	10	< 10	10	20	0.18	20	< 20	100	< 20	80
95192	208	226	460	200	5	< 10	5	10	0.16	< 20	40	100	< 20	95
95193	208	226	270	300	10	< 10	5	65	0.19	< 20	20	100	< 20	80
95194	208	226	150	300	10	< 10	5	75	0.11	< 20	< 20	80	< 20	80
95195	208	226	280	200	10	< 10	5	20	0.19	< 20	40	100	< 20	75
95196	208	226	265	200	15	< 10	5	75	0.24	< 20	40	160	< 20	130
95197	208	226	110	300	5	< 10	10	65	0.15	< 20	< 20	80	< 20	130
95198	208	226	20	300	10	< 10	10	5	0.12	< 20	< 20	60	< 20	55
95199	208	226	70	700	25	< 10	< 5	70	0.19	< 20	< 20	60	< 20	95
95200	208	226	250	300	25	< 10	5	30	0.18	< 20	< 20	100	< 20	150

CERTIFICATION:

95-3

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: IMPERIAL METALS CORPORATION
420 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

Project : GIANT COPPER
Comments: CC: MARK TINDALL

Page Number 6-A
Total Pages 7
Certificate Date 29-SEP-95
Invoice No. I-9528604
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9528604

SAMPLE DESCRIPTION	PREP CODE		Au g/t FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	Mg %	Mn ppm	Mo ppm	Na %
95201	208	226	< 0.005	< 1	2.95	160	160	< 5	< 10	0.44	5	40	1000	635	6.07	< 10	0.69	2.85	880	5	0.09
95202	208	226	< 0.005	< 1	3.54	50	200	< 5	< 10	1.32	< 5	30	530	585	4.67	< 10	1.11	2.14	330	< 5	0.23
95203	208	226	< 0.005	< 1	4.75	40	380	< 5	< 10	0.85	< 5	30	1190	170	6.06	< 10	2.94	5.06	500	< 5	0.11
95204	208	226	< 0.005	< 1	4.86	110	400	< 5	< 10	1.01	< 5	35	870	350	5.96	< 10	1.95	4.06	470	< 5	0.17
95205	208	226	< 0.005	< 1	1.33	10	20	< 5	< 10	0.89	< 5	30	30	380	3.37	< 10	0.05	0.30	360	< 5	0.26
95206	208	226	< 0.005	< 1	1.28	20	40	< 5	< 10	0.71	< 5	35	50	380	4.08	< 10	0.06	0.42	240	< 5	0.19
95207	208	226	< 0.005	< 1	2.71	30	120	< 5	< 10	1.38	< 5	40	20	430	4.40	< 10	0.10	0.62	250	< 5	0.39
95208	208	226	0.865	7	1.92	2620	60	< 5	< 10	0.43	< 5	55	20	3090	5.16	< 10	0.33	0.67	750	5	0.10
95209	208	226	0.015	1	1.74	40	180	< 5	< 10	0.77	< 5	45	10	835	4.15	< 10	0.06	0.47	210	< 5	0.21
95210	208	226	0.330	1	0.90	13500	20	< 5	< 10	0.19	< 5	140	30	395	4.92	< 10	0.41	0.30	1610	5	0.05
95211	208	226	0.025	1	1.28	80	40	< 5	< 10	0.44	< 5	10	20	505	2.91	< 10	0.29	0.36	660	< 5	0.15
95212	208	226	0.080	2	2.47	50	100	< 5	< 10	0.53	< 5	40	20	2940	5.89	< 10	0.13	1.03	340	< 5	0.18
95213	208	226	0.180	7	0.70	1530	40	< 5	10	0.34	< 5	145	30	3020	5.20	< 10	0.37	0.40	1510	5	0.07
95214	208	226	0.260	2	1.12	2060	40	< 5	< 10	0.33	< 5	155	20	825	4.80	< 10	0.45	0.60	1330	< 5	0.08
95215	208	226	0.095	4	1.63	190	60	< 5	< 10	0.42	< 5	35	20	2470	4.93	< 10	0.37	0.68	930	< 5	0.13
95216	208	226	0.025	8	1.48	550	40	< 5	10	0.43	< 5	30	20	1375	6.27	< 10	0.49	0.77	2220	20	0.08
95217	208	226	0.050	4	2.10	570	120	< 5	< 10	0.38	< 5	45	10	2060	6.00	< 10	0.38	0.69	680	10	0.08
95218	208	226	0.125	15	1.75	280	120	< 5	< 10	0.81	< 5	85	30	4320	7.73	< 10	0.51	0.86	1380	665	0.08
95219	208	226	2.31	86	1.85	730	< 20	< 5	40	0.78	5	245	370	24300	27.6	< 10	0.02	1.38	3000	4360	0.04
95220	208	226	0.155	24	2.92	180	< 20	< 5	< 10	0.58	< 5	105	120	7180	21.7	< 10	0.21	2.20	4340	450	0.05
95221	208	226	0.015	1	1.37	20	20	< 5	< 10	0.53	< 5	20	20	975	4.45	< 10	0.09	0.74	830	< 5	0.15
95222	208	226	< 0.005	< 1	1.49	< 10	40	< 5	< 10	0.75	< 5	25	20	585	3.98	< 10	0.06	0.45	320	< 5	0.22
95223	208	226	0.160	20	1.62	1580	20	< 5	< 10	0.70	< 5	170	20	7770	15.05	< 10	0.21	1.07	1960	150	0.12
95224	208	226	0.505	20	0.51	1340	< 20	< 5	470	0.32	< 5	70	150	2830	19.10	< 10	0.07	2.15	3640	455	0.06
95225	208	226	0.360	16	0.88	1060	< 20	< 5	20	0.32	< 5	155	130	4230	25.6	< 10	0.05	1.88	3720	615	0.06
95226	208	226	0.360	17	0.78	350	< 20	< 5	270	0.48	< 5	70	230	3920	20.8	< 10	0.01	2.24	3780	1645	0.07
95227	208	226	< 0.005	< 1	2.61	80	140	< 5	10	1.31	< 5	45	60	240	8.58	< 10	0.54	1.74	1670	< 5	0.29
95228	208	226	1.590	13	1.54	800	< 20	< 5	90	0.26	< 5	70	160	1570	18.40	< 10	0.09	2.18	3520	850	0.04
95229	208	226	0.035	6	0.71	780	< 20	< 5	20	0.46	< 5	80	80	2270	16.30	< 10	0.04	1.95	3600	1145	0.04
95230	208	226	0.210	22	0.37	3040	< 20	< 5	120	0.91	< 5	215	100	9290	15.55	< 10	0.03	1.75	3810	710	0.06
95231	208	226	0.135	6	2.85	3510	< 20	< 5	20	0.31	< 5	200	540	2240	21.2	< 10	0.04	1.96	3330	20	0.06
95232	208	226	0.355	9	0.35	6860	< 20	< 5	30	0.46	< 5	220	30	4400	15.00	< 10	0.06	1.75	3260	15	0.04
95233	208	226	0.140	12	0.22	2310	< 20	< 5	< 10	0.70	< 5	250	60	7050	13.40	< 10	0.06	1.52	3040	20	0.04
95234	208	226	1.930	11	1.57	850	< 20	< 5	90	0.63	< 5	190	90	4960	17.25	< 10	0.12	1.89	3930	35	0.05
95235	208	226	0.040	4	3.20	230	40	< 5	< 10	0.53	< 5	50	180	2260	18.25	< 10	0.30	2.49	5670	35	0.07
95236	208	226	0.020	3	1.53	1150	< 20	< 5	< 10	0.43	< 5	35	90	1890	17.50	< 10	0.06	2.20	3810	< 5	0.06
95237	208	226	< 0.005	2	3.13	690	< 20	< 5	< 10	0.36	< 5	40	110	1300	18.05	< 10	0.04	2.31	3940	10	0.07
95238	208	226	< 0.005	1	0.81	250	20	< 5	< 10	0.48	< 5	25	110	870	15.70	< 10	0.25	1.89	3980	< 5	0.06
95239	208	226	< 0.005	< 1	0.19	460	< 20	< 5	< 10	0.55	< 5	15	110	285	13.80	< 10	0.07	1.56	2990	10	0.06
95240	208	226	< 0.005	< 1	0.26	1600	< 20	< 5	< 10	0.65	< 5	20	100	80	15.75	< 10	0.04	1.78	3410	5	0.05

95-3

Chemex Labs Ltd.

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British Columbia, Canada V7J 2C1
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To: IMPERIAL METALS CORPORATION
420 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

Project : GIANT COPPER
Comments: CC: MARK TINDALL

Page Number 6-B
Total Pages 7
Certificate Date 20-SEP-95
Invoice No. I-9528604
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9528604

SAMPLE DESCRIPTION	PREP CODE		Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
95201	208	226	200	200	5	< 10	< 5	30	0.11	< 20	< 20	80	< 20	225
95202	208	226	205	600	5	< 10	< 5	85	0.11	< 20	< 20	60	< 20	105
95203	208	226	320	200	< 5	< 10	< 5	45	0.23	< 20	< 20	120	< 20	65
95204	208	226	230	300	10	< 10	5	110	0.19	< 20	< 20	120	< 20	70
95205	208	226	95	1000	10	< 10	< 5	40	0.02	< 20	< 20	20	< 20	50
95206	208	226	60	900	10	< 10	< 5	15	0.03	< 20	< 20	40	< 20	75
95207	208	226	35	1100	< 5	< 10	< 5	100	0.05	< 20	< 20	60	< 20	100
95208	208	226	20	900	45	< 10	5	25	0.01	< 20	20	40	< 20	300
95209	208	226	35	900	5	< 10	< 5	80	0.02	< 20	< 20	40	< 20	95
95210	208	226	25	100	45	20	< 5	< 5	< 0.01	< 20	< 20	< 20	< 20	240
95211	208	226	10	300	10	< 10	< 5	35	< 0.01	< 20	< 20	20	< 20	110
95212	208	226	45	200	10	< 10	15	35	0.05	< 20	< 20	120	< 20	125
95213	208	226	40	300	15	10	5	10	< 0.01	< 20	< 20	20	< 20	170
95214	208	226	10	600	25	10	5	10	0.02	< 20	< 20	20	< 20	135
95215	208	226	30	400	35	< 10	5	5	0.02	< 20	< 20	40	< 20	165
95216	208	226	15	1100	120	< 10	5	5	0.01	< 20	< 20	20	< 20	320
95217	208	226	40	800	50	< 10	5	25	0.03	< 20	< 20	40	< 20	250
95218	208	226	45	1200	40	< 10	10	< 5	0.05	< 20	20	40	< 20	325
95219	208	226	260	3300	75	< 10	10	< 5	< 0.01	< 20	140	120	160	560
95220	208	226	50	1200	65	< 10	15	< 5	< 0.01	< 20	160	160	1300	500
95221	208	226	20	800	30	< 10	5	15	0.01	< 20	< 20	60	< 20	165
95222	208	226	25	900	< 5	< 10	< 5	45	0.04	< 20	< 20	40	< 20	70
95223	208	226	70	1700	50	< 10	5	15	0.01	< 20	20	80	< 20	415
95224	208	226	140	200	135	40	15	< 5	< 0.01	< 20	140	140	< 20	395
95225	208	226	185	300	35	< 10	10	< 5	< 0.01	< 20	380	120	< 20	305
95226	208	226	170	1000	100	20	15	< 5	< 0.01	< 20	200	140	< 20	415
95227	208	226	40	900	45	< 10	10	70	0.15	< 20	< 20	140	< 20	245
95228	208	226	80	300	50	10	15	< 5	< 0.01	< 20	120	120	20	530
95229	208	226	105	900	< 5	50	10	< 5	< 0.01	< 20	< 20	80	< 20	400
95230	208	226	175	2800	< 5	90	5	< 5	< 0.01	< 20	< 20	60	< 20	195
95231	208	226	220	900	< 5	130	20	< 5	< 0.01	< 20	< 20	180	< 20	250
95232	208	226	130	1000	< 5	70	15	< 5	< 0.01	< 20	< 20	100	< 20	105
95233	208	226	100	1700	< 5	90	5	< 5	< 0.01	< 20	< 20	40	< 20	80
95234	208	226	110	1600	< 5	60	10	< 5	< 0.01	< 20	< 20	120	< 20	180
95235	208	226	125	700	85	40	35	5	0.02	< 20	< 20	220	< 20	330
95236	208	226	70	700	< 5	10	20	< 5	< 0.01	< 20	< 20	140	< 20	90
95237	208	226	95	600	< 5	30	30	< 5	< 0.01	< 20	< 20	200	< 20	175
95238	208	226	100	800	10	40	20	< 5	< 0.01	< 20	< 20	120	< 20	235
95239	208	226	75	800	< 5	20	10	< 5	< 0.01	< 20	< 20	40	< 20	40
95240	208	226	60	900	< 5	40	15	< 5	< 0.01	< 20	< 20	60	< 20	15

95-3

Chemex Labs Ltd.

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212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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To: IMPERIAL METALS CORPORATION

420 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

Project : GIANT COPPER
Comments: CC: MARK TINDALL

Page Number 7-A
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Certificate Date 29-SEP-95
Invoice No. I-9528604
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Account :

CERTIFICATE OF ANALYSIS A9528604

SAMPLE DESCRIPTION	PREP CODE		Au g/t FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	Mg %	Mn ppm	Mo ppm	Na %
95241	208	226	< 0.005	< 1	0.49	170	< 20	< 5	< 10	0.65	< 5	10	90	315	14.90	< 10	0.12	1.74	3230	5	0.04
95242	208	226	< 0.005	< 1	1.11	70	80	< 5	< 10	0.59	< 5	5	140	245	15.50	< 10	0.28	2.09	4810	< 5	0.07
95243	208	226	0.035	18	3.37	100	60	< 5	< 10	2.14	< 5	20	250	8590	11.65	< 10	0.33	3.10	4240	5	0.10
95244	208	226	0.020	4	3.00	30	40	< 5	< 10	2.69	< 5	15	70	2060	9.83	< 10	0.21	2.56	4300	5	0.15

95-3

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V6C 2G8

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CERTIFICATE OF ANALYSIS A9528604

SAMPLE DESCRIPTION	PREP CODE		Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
95241	208	226	55	1100	< 5	< 10	10	< 5	< 0.01	< 20	< 20	60	< 20	80
95242	208	226	80	900	10	20	15	5	< 0.01	< 20	< 20	80	< 20	150
95243	208	226	75	1400	65	< 10	10	30	0.03	< 20	< 20	140	< 20	355
95244	208	226	35	1300	35	< 10	10	30	0.02	< 20	< 20	120	< 20	175

95-3

29-Sep-95

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 604-573-5700
Fax : 604-573-4557

IMPERIAL METALS CORPORATION AK 95-877
420-355 BURRARD STREET
VANCOUVER, B.C.
V6C 2G8

221 Core samples received Sept. 27, 1995
PROJECT #: Giant Copper
SHIPMENT #: 1
Samples submitted by; Mark Tindall

Values in ppm unless otherwise reported

95243
95214

Et #.	Tag #	Ag	Al %	As	Ba	Be	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	Hg	K%	Mg%	Mn	Mo	Na%	Ni	P%	Pb	Sb	Sr	Ti%	U	V	W	Zn
1	95245	3.0	2.29	70	60	<5	<10	2.42	<5	25	110	2295	8.24	<50	0.21	1.98	2770	10	0.07	50	0.12	30	<50	35	0.04	<50	120	<50	110
2	95246	2.0	2.60	20	120	<5	<10	2.36	<5	20	90	1660	7.28	<50	0.24	1.74	2160	<5	0.10	55	0.10	50	<50	40	0.08	<50	110	<50	150
3	95247	14.0	2.88	<10	60	<5	<10	0.76	10	25	190	4025	>15	<50	0.10	2.59	5790	15	0.03	85	0.11	105	<50	<5	0.01	<50	110	<50	980
4	95248	7.0	1.90	1600	100	<5	<10	0.85	<5	30	200	2345	>15	<50	0.10	2.03	4610	15	0.02	110	0.14	15	<50	<5	<.01	<50	100	<50	770
5	95249	28.0	0.91	2040	40	<5	<10	0.75	<5	50	140	10920	>15	<50	0.07	1.35	3960	15	0.03	105	0.31	<5	<50	<5	<.01	<50	70	<50	140
6	95250	20.0	1.57	50	60	<5	<10	1.16	10	35	420	7105	14.70	<50	0.12	1.94	12250	15	0.02	170	0.19	110	<50	10	0.02	<50	90	<50	1300
7	95251	45.0	1.73	150	60	<5	<10	0.56	<5	50	310	16170	>15	<50	0.13	1.72	5700	15	0.03	155	0.29	15	<50	<5	0.02	<50	80	<50	605
8	95252	3.0	1.07	3480	60	<5	<10	0.51	<5	55	60	1480	14.00	<50	0.15	1.23	3780	20	0.02	55	0.11	<5	<50	<5	<.01	<50	70	<50	95
9	95253	30.0	1.31	40	60	<5	<10	0.67	10	30	110	9625	>15	<50	0.12	1.68	4810	20	0.02	80	0.25	30	<50	<5	0.01	<50	90	<50	880
10	95254	12.0	1.28	<10	140	<5	<10	1.02	10	20	210	3920	>15	<50	0.17	1.85	7630	15	0.02	105	0.16	80	<50	<5	0.01	<50	80	<50	910
11	95255	4.0	0.29	80	60	<5	<10	0.50	<5	20	120	1980	13.90	<50	0.09	1.24	3190	15	0.02	105	0.11	<5	<50	<5	<.01	<50	60	<50	90
12	95256	1.0	0.32	880	40	<5	<10	0.48	<5	25	80	700	10.90	<50	0.20	0.96	2500	10	0.02	40	0.09	<5	<50	<5	<.01	<50	30	<50	40
13	95257	1.0	0.41	370	40	<5	<10	0.63	<5	25	40	1135	9.80	<50	0.26	0.85	2730	10	0.03	35	0.10	<5	<50	<5	<.01	<50	30	<50	85
14	95258	2.0	0.55	<10	80	<5	<10	1.29	<5	25	30	1025	13.30	<50	0.30	1.38	4850	10	0.03	30	0.14	<5	<50	<5	<.01	<50	80	<50	95
15	95259	1.0	0.39	10	40	<5	<10	0.52	<5	20	220	595	>15	<50	0.06	1.73	4190	15	0.02	125	0.04	<5	<50	<5	<.01	<50	80	<50	100
16	95260	8.0	0.29	<10	20	<5	<10	0.55	<5	10	110	5070	12.20	<50	0.06	1.18	2970	10	0.02	70	0.17	<5	<50	<5	<.01	<50	50	<50	60
17	95261	14.0	1.26	<10	80	<5	<10	1.33	10	30	200	4920	14.90	<50	0.17	1.70	6130	10	0.02	85	0.18	140	<50	10	0.01	<50	100	<50	1135
18	95262	5.0	1.86	20	40	<5	<10	2.07	<5	25	40	2590	8.32	<50	0.09	1.47	2630	5	0.04	50	0.12	50	<50	5	0.02	<50	100	<50	195
19	95263	<1	1.12	20	20	<5	<10	1.49	<5	20	50	930	3.31	<50	0.04	0.67	550	<5	0.06	45	0.06	15	<50	5	0.03	<50	70	<50	180
20	95264	<1	2.45	<10	120	<5	<10	2.28	<5	15	210	1020	4.28	<50	0.41	1.47	1320	<5	0.11	70	0.07	40	<50	50	0.08	<50	70	<50	90
21	95265	6.0	2.63	20	40	<5	<10	3.72	<5	30	110	7660	10.40	<50	0.06	1.73	2240	10	0.05	50	0.19	20	<50	15	0.04	<50	120	<50	125
22	95266	2.0	2.70	40	40	<5	<10	3.71	<5	30	60	1830	9.90	<50	0.12	1.56	2330	5	0.05	30	0.11	25	<50	10	0.03	<50	130	<50	140
23	95267	1.0	1.55	30	40	<5	<10	1.93	<5	25	40	1720	5.28	<50	0.15	0.81	1010	<5	0.06	25	0.12	35	<50	20	0.01	<50	70	<50	180
24	95268	1.0	2.62	<10	40	<5	<10	2.22	5	30	300	1530	10.20	<50	0.11	1.68	2480	5	0.05	140	0.07	40	<50	10	0.02	<50	110	<50	535
25	95269	16.0	2.90	10	60	<5	<10	3.01	15	25	70	4070	13.60	<50	0.12	1.56	4730	10	0.03	45	0.12	100	<50	20	0.02	<50	120	<50	1385

IMPERIAL METALS CORPORATION AK 95-877

ECO-TECH LABORATORIES LTD.

95-3

Et #.	Tag #	Ag	Al %	As	Ba	Be	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	Hg	K%	Mg%	Mn	Mo	Na%	Ni	P%	Pb	Sb	Sr	Ti%	U	V	W	Zn
26	95270	<1	2.59	<10	60	<5	<10	2.08	5	15	180	360	9.73	<50	0.13	1.75	2980	<5	0.05	55	0.07	40	<50	20	0.03	<50	100	<50	525
27	95271	<1	1.72	30	<20	<5	<10	2.06	<5	15	110	575	4.77	<50	0.09	1.01	980	<5	0.10	75	0.09	20	<50	15	0.06	<50	80	<50	65
28	95272	2.0	1.35	3180	40	<5	<10	2.25	<5	30	80	1020	8.29	<50	0.11	1.01	1700	20	0.04	30	0.07	20	<50	15	0.02	<50	70	<50	80
29	95273	<1	1.69	100	100	<5	<10	1.66	<5	25	130	320	> 15	<50	0.23	1.64	2820	15	0.03	45	0.03	20	<50	20	0.02	<50	160	<50	135
30	95274	<1	0.44	470	40	<5	<10	0.61	<5	15	50	265	11.80	<50	0.29	0.97	4530	15	0.02	30	0.05	5	<50	<5	<.01	<50	40	<50	105
31	95275	4.0	0.34	1510	40	<5	<10	0.46	<5	30	50	2625	11.50	<50	0.25	0.82	2850	10	0.02	35	0.09	<5	<50	<5	<.01	<50	40	<50	25
32	95276	<1	0.21	410	40	<5	10	0.67	<5	10	100	45	13.10	<50	0.09	1.12	3990	15	0.02	25	0.24	<5	<50	<5	<.01	<50	10	<50	10
33	95277	<1	0.34	270	60	<5	40	0.50	<5	15	60	20	12.90	<50	0.26	0.93	3460	10	0.02	65	0.06	<5	<50	<5	<.01	<50	30	<50	50
34	95278	<1	0.21	>10000	20	<5	20	0.40	<5	115	130	25	7.24	<50	0.11	0.49	1760	10	0.03	75	0.05	<5	<50	<5	<.01	<50	20	<50	95
35	95279	<1	0.29	3340	20	<5	10	0.45	<5	30	60	155	7.51	<50	0.19	0.61	2350	10	0.03	45	0.05	175	<50	<5	<.01	<50	20	<50	65
36	95280	<1	0.06	180	40	<5	<10	0.44	<5	10	70	10	> 15	<50	0.03	1.70	7710	20	0.02	10	0.04	<5	<50	<5	0.01	<50	<10	<50	15
37	95281	<1	0.25	540	20	<5	<10	0.37	<5	10	160	385	6.18	<50	0.10	0.50	1800	5	0.02	140	0.06	<5	100	<5	<.01	<50	20	<50	65
38	95282	1.0	0.10	70	60	<5	<10	0.58	<5	10	50	20	> 15	<50	0.06	1.73	7050	30	0.02	10	0.11	<5	<50	<5	0.01	<50	<10	<50	15
39	95283	<1	0.22	1650	60	<5	30	0.82	<5	30	30	10	14.50	<50	0.09	1.50	6160	15	0.02	30	0.10	<5	<50	15	<.01	<50	10	<50	30
40	95284	<1	0.07	>10000	60	<5	40	6.84	<5	205	20	5	14.10	<50	0.02	2.80	7890	15	0.02	20	<.01	<5	50	15	0.01	<50	10	<50	15
41	95285	3.0	0.47	110	100	<5	<10	1.94	<5	30	20	670	14.40	<50	0.36	1.44	6770	10	0.03	25	0.10	<5	<50	15	0.01	<50	70	<50	155
42	95286	<1	1.70	70	40	<5	<10	1.95	<5	20	40	1440	3.96	<50	0.13	0.70	570	<5	0.14	20	0.16	15	<50	60	0.03	<50	50	150	55
43	95287	3.0	0.45	20	60	<5	<10	0.53	<5	35	20	1160	9.49	<50	0.50	0.65	2410	10	0.02	40	0.09	5	<50	5	<.01	<50	30	<50	60
44	95288	2.0	0.44	120	60	<5	<10	0.78	<5	25	30	1075	15.00	<50	0.46	1.21	4770	15	0.01	30	0.07	<5	<50	<5	<.01	<50	40	<50	45
45	95289	5.0	0.52	130	80	<5	<10	1.06	<5	30	30	965	13.60	<50	0.40	1.15	4750	25	0.02	30	0.12	35	<50	15	<.01	<50	40	<50	220
46	95290	2.0	0.30	620	80	<5	<10	1.51	<5	35	100	490	> 15	<50	0.15	1.37	5170	30	0.01	60	0.16	<5	<50	10	<.01	<50	60	<50	55
47	95291	4.0	0.42	450	120	<5	<10	1.00	<5	40	90	1060	14.80	<50	0.24	1.23	4020	20	0.02	40	0.21	40	<50	15	<.01	<50	110	<50	370
48	95292	7.0	0.50	40	100	<5	<10	0.91	<5	25	60	2265	10.60	<50	0.28	0.95	3370	30	0.02	30	0.15	95	<50	10	<.01	<50	160	<50	520
49	95293	11.0	0.90	180	120	<5	<10	1.91	<5	105	40	3285	14.30	<50	0.19	0.92	3700	20	0.02	50	0.18	60	<50	15	0.02	<50	170	<50	330
50	95294	6.0	2.21	<10	160	<5	<10	2.23	<5	30	120	2150	> 15	<50	0.43	1.46	2660	15	0.03	55	0.20	50	<50	25	0.06	<50	260	<50	295
51	95295	1.0	2.25	<10	220	<5	<10	3.43	<5	35	80	980	> 15	<50	0.41	1.52	3080	15	0.04	30	0.43	15	<50	25	0.07	<50	270	<50	145
52	95296	3.0	1.20	30	80	<5	<10	3.51	10	35	60	1215	12.00	<50	0.17	1.24	4960	15	0.09	35	0.44	50	<50	35	0.03	<50	230	<50	1060
53	95297	3.0	0.39	2130	80	<5	<10	1.04	<5	25	40	1275	> 15	<50	0.16	1.34	4700	25	0.02	30	0.06	95	<50	<5	<.01	<50	160	<50	340
54	95298	2.0	0.34	280	60	<5	<10	2.21	<5	30	210	655	12.70	<50	0.13	1.50	5440	10	0.02	100	0.24	15	50	15	<.01	<50	90	<50	190
55	95299	4.0	0.67	260	100	<5	<10	2.06	<5	25	260	725	> 15	<50	0.12	1.72	8960	15	0.02	135	0.09	255	<50	25	0.01	<50	140	<50	830
56	95300	4.0	2.62	30	140	<5	<10	1.64	<5	45	740	595	> 15	<50	0.38	2.90	6140	5	0.03	225	0.07	185	<50	25	0.06	<50	170	<50	720
57	95301	5.0	2.14	40	80	<5	<10	0.87	<5	45	40	1255	> 15	<50	0.16	1.01	5290	20	0.02	30	0.17	95	<50	15	0.02	<50	260	<50	215
58	95302	8.0	2.91	780	80	<5	<10	0.61	<5	30	60	1965	14.60	<50	0.19	1.06	2620	20	0.02	35	0.22	175	<50	10	0.02	<50	240	<50	320
59	95303	30.0	3.84	350	80	<5	<10	0.65	<5	35	40	8970	> 15	<50	0.18	1.24	2760	30	0.02	50	0.28	135	<50	<5	0.03	<50	340	<50	535
60	95304	34.0	3.38	170	80	<5	<10	0.48	5	55	70	17040	> 15	<50	0.14	1.11	2830	30	0.02	85	0.34	110	<50	15	0.02	<50	280	<50	700

IMPERIAL METALS CORPORATION AK 95-877 — ECO-TECH LABORATORIES LTD. — 953 / 95-4

Et #.	Tag #	Ag	Al %	As	Ba	Be	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	Hg	K%	Mg%	Mn	Mo	Na%	Ni	P%	Pb	Sb	Sr	Ti%	U	V	W	Zn
61	95305	66.0	3.66	3770	80	<5	<10	0.46	<5	30	60	14415	> 15	<50	0.11	1.07	3240	50	0.02	80	0.31	555	<50	5	0.02	<50	280	<50	885
62	95306	26.0	4.13	6620	80	<5	<10	0.39	<5	25	60	7275	> 15	<50	0.20	1.07	2940	35	0.01	35	0.21	850	<50	15	0.02	<50	280	<50	2900
63	95307	55.0	3.99	6200	80	<5	<10	0.32	<5	55	40	>20000	> 15	<50	0.19	1.01	2600	35	0.01	80	0.35	450	<50	10	0.02	<50	250	<50	2270
64	95308	3.0	1.43	60	80	<5	<10	1.24	<5	15	70	2190	4.12	<50	0.15	0.57	850	10	0.08	15	0.12	45	<50	20	0.05	<50	90	<50	180
65	95309	<1	1.59	320	60	<5	<10	1.67	<5	25	60	520	4.10	<50	0.10	0.70	770	10	0.09	30	0.09	15	<50	20	0.05	<50	140	<50	110
66	95310	<1	1.33	1730	40	<5	<10	1.53	<5	35	70	420	5.11	<50	0.06	0.57	790	<5	0.06	20	0.09	5	<50	<5	0.05	<50	160	<50	100
67	95311	<1	1.16	10	40	<5	<10	1.57	<5	10	80	155	2.26	<50	0.04	0.51	580	5	0.10	5	0.08	15	<50	20	0.05	<50	80	<50	275
68	95312	<1	1.00	40	20	<5	<10	1.74	<5	20	80	210	2.77	<50	0.05	0.58	650	<5	0.07	5	0.06	20	<50	20	0.02	<50	40	<50	200
69	95313	<1	0.81	60	20	<5	<10	1.15	<5	10	70	80	2.17	<50	0.04	0.50	540	5	0.04	10	0.06	10	<50	<5	<.01	<50	70	<50	100
70	95314	<1	0.83	50	60	<5	<10	2.15	<5	25	60	395	3.83	<50	0.06	0.58	680	<5	0.05	15	0.10	10	<50	30	0.02	<50	70	<50	70
71	95315	<1	0.30	3510	120	<5	<10	2.68	<5	20	50	190	3.44	<50	0.10	0.81	1410	10	0.03	10	0.04	30	<50	45	<.01	<50	20	<50	215
72	95316	<1	0.30	210	60	<5	<10	1.66	<5	15	70	170	2.92	<50	0.07	0.52	810	5	0.04	10	0.07	10	<50	25	<.01	<50	60	<50	150
73	95317	<1	0.92	120	60	<5	<10	1.59	<5	35	60	435	5.14	<50	0.12	0.64	730	10	0.04	30	0.06	<5	<50	20	0.01	<50	100	<50	45
74	95318	<1	0.64	120	140	<5	<10	1.89	<5	25	60	400	4.07	<50	0.04	0.52	690	30	0.05	35	0.13	<5	<50	15	0.03	<50	100	<50	65
75	95319	<1	2.75	40	60	<5	<10	2.71	<5	15	70	175	2.16	<50	0.05	0.57	430	<5	0.24	40	0.09	20	<50	100	0.06	<50	60	<50	90
76	95320	<1	4.10	110	240	<5	<10	2.66	<5	10	300	50	2.22	<50	0.61	1.57	240	<5	0.12	170	0.04	35	<50	125	0.12	<50	50	<50	45
77	95321	<1	3.52	80	260	<5	<10	1.95	<5	15	470	25	2.92	<50	1.20	2.38	260	<5	0.06	215	0.04	30	<50	80	0.15	<50	50	<50	35
78	95322	<1	2.46	90	60	<5	<10	2.42	<5	20	90	300	2.77	<50	0.14	0.59	400	10	0.15	105	0.07	25	<50	100	0.03	<50	60	<50	130
79	95323	<1	0.62	100	40	<5	<10	1.06	<5	35	40	600	4.20	<50	0.03	0.41	570	10	0.06	55	0.11	15	<50	10	<.01	<50	130	<50	195
80	95324	<1	0.69	110	60	<5	<10	0.86	<5	35	50	595	4.13	<50	0.03	0.36	510	10	0.06	65	0.10	15	<50	10	<.01	<50	130	<50	135
81	95325	<1	0.61	330	40	<5	<10	1.16	<5	45	60	440	4.00	<50	0.03	0.40	620	10	0.06	30	0.07	10	<50	5	<.01	<50	120	<50	120
82	95326	<1	1.48	60	20	<5	<10	1.94	<5	25	50	245	2.63	<50	0.03	0.37	350	<5	0.14	30	0.10	20	<50	65	0.01	<50	50	<50	85
83	95327	<1	2.13	30	20	<5	<10	2.32	<5	20	50	380	2.82	<50	0.02	0.28	290	<5	0.16	45	0.10	20	<50	90	0.01	<50	30	<50	110
84	95328	<1	0.57	140	40	<5	<10	3.23	<5	20	50	330	3.54	<50	0.05	0.89	790	5	0.09	15	0.06	15	<50	50	<.01	<50	60	<50	115
85	95329	<1	0.62	100	40	<5	<10	2.79	<5	15	50	210	3.68	<50	0.09	0.54	900	10	0.06	35	0.07	20	<50	30	0.01	<50	100	<50	130
86	95330	<1	0.74	50	20	<5	<10	1.89	<5	25	80	320	3.40	<50	0.04	0.47	560	15	0.06	35	0.11	30	<50	15	<.01	<50	130	<50	70
87	95331	<1	1.03	20	60	<5	<10	0.38	<5	20	80	130	3.61	<50	0.09	0.62	190	25	0.07	60	0.06	10	<50	<5	0.06	<50	200	<50	65
88	95332	<1	1.09	40	80	<5	<10	0.29	<5	15	90	105	2.94	<50	0.15	0.61	200	15	0.06	45	0.06	20	<50	15	0.09	<50	200	<50	75
89	95333	<1	1.06	30	80	<5	<10	0.37	<5	20	80	155	3.99	<50	0.12	0.80	200	25	0.06	45	0.09	10	<50	<5	0.08	<50	170	<50	60
90	95334	<1	1.06	20	80	<5	<10	0.34	<5	20	90	185	3.27	<50	0.15	0.66	210	<5	0.06	30	0.07	10	<50	<5	0.10	<50	130	<50	55
91	95335	<1	0.90	30	60	<5	<10	0.35	<5	20	70	190	3.49	<50	0.10	0.67	190	20	0.06	40	0.07	10	<50	<5	0.07	<50	120	<50	45
92	95336	<1	0.65	10	20	<5	<10	0.42	<5	25	70	280	3.56	<50	0.02	0.25	170	20	0.06	45	0.07	10	<50	10	0.04	<50	60	<50	50
93	95337	<1	0.90	30	<20	<5	<10	0.60	<5	20	70	350	3.39	<50	<.01	0.30	300	15	0.09	30	0.08	15	<50	15	0.03	<50	80	<50	85
94	95338	<1	0.75	10	20	<5	<10	0.50	<5	25	70	280	3.66	<50	<.01	0.44	310	15	0.07	45	0.08	15	<50	<5	0.04	<50	110	<50	65
95	95339	<1	3.74	30	60	<5	10	2.73	<5	5	50	60	1.73	<50	0.05	0.54	320	5	0.40	25	0.09	40	<50	165	0.04	<50	30	<50	100

IMPERIAL METALS CORPORATION AK 95-877

ECO-TECH LABORATORIES LTD.

95-4

Et #.	Tag #	Ag	Al %	As	Ba	Be	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	Hg	K%	Mg%	Mn	Mo	Na%	Ni	P%	Pb	Sb	Sr	Ti%	U	V	W	Zn
96	95340	<1	1.86	40	20	<5	<10	1.45	<5	10	70	75	2.30	<50	0.04	0.38	300	20	0.22	30	0.07	30	<50	65	0.06	<50	120	<50	65
97	95341	<1	1.85	<10	60	<5	<10	1.22	<5	35	80	175	10.90	<50	0.09	0.28	410	25	0.19	90	0.06	15	<50	35	0.06	<50	290	<50	75
98	95342	<1	1.04	<10	40	<5	<10	1.12	<5	<5	80	50	2.56	<50	0.05	0.22	340	35	0.14	30	0.10	15	<50	20	0.06	<50	420	<50	60
99	95343	<1	1.13	80	60	<5	<10	1.14	<5	10	90	80	2.68	<50	0.07	0.28	360	20	0.14	55	0.07	25	<50	25	0.09	<50	450	<50	75
100	95344	<1	1.51	70	40	<5	<10	1.59	<5	10	70	100	2.26	<50	0.02	0.20	320	30	0.16	40	0.10	20	<50	25	0.06	<50	200	<50	40
101	95345	<1	1.13	80	20	<5	<10	1.29	<5	10	80	45	2.48	<50	0.04	0.31	360	30	0.14	40	0.06	15	<50	20	0.07	<50	200	<50	50
102	95346	<1	4.77	30	60	<5	<10	3.58	<5	10	80	45	3.61	<50	0.03	0.15	300	60	0.53	45	0.06	45	<50	120	0.09	<50	110	<50	65
103	95347	<1	3.69	<10	60	<5	10	2.69	<5	40	50	125	10.40	<50	<.01	0.09	310	50	0.42	190	0.10	30	<50	75	0.06	<50	60	<50	45
104	95348	<1	1.54	20	40	<5	10	1.73	<5	10	50	45	3.55	<50	0.02	0.22	370	40	0.21	70	0.06	20	<50	35	0.07	<50	110	<50	60
105	95349	<1	2.06	40	40	<5	<10	1.97	<5	20	60	65	4.84	<50	0.01	0.24	420	35	0.24	65	0.06	20	<50	35	0.06	<50	90	<50	80
106	95350	<1	1.28	<10	40	<5	<10	1.24	<5	20	60	135	4.80	<50	0.02	0.18	330	25	0.14	60	0.06	10	<50	20	0.06	<50	150	<50	45
107	95351	<1	0.82	30	40	<5	<10	1.12	<5	10	90	70	2.16	<50	0.02	0.39	340	5	0.09	25	0.09	25	<50	25	0.08	<50	140	<50	75
108	95352	<1	1.00	30	60	<5	<10	1.28	<5	10	60	90	2.64	<50	0.06	0.51	330	5	0.11	20	0.13	15	<50	15	0.13	<50	90	<50	40
109	95353	<1	0.64	30	<20	<5	<10	2.33	<5	10	80	75	2.93	<50	0.03	0.36	720	10	0.05	30	0.06	15	<50	10	0.04	<50	140	<50	75
110	95354	<1	0.89	50	40	<5	<10	1.51	<5	20	90	215	3.19	<50	0.07	0.51	400	15	0.06	25	0.09	15	<50	15	0.05	<50	130	<50	70
111	95355	<1	0.92	160	20	<5	<10	0.76	<5	30	70	165	3.70	<50	0.03	0.52	280	10	0.06	25	0.07	15	<50	10	0.06	<50	100	<50	40
112	95356	<1	0.99	50	20	<5	<10	1.17	<5	20	100	290	3.33	<50	0.03	0.30	300	15	0.09	40	0.06	15	<50	20	0.04	<50	140	<50	50
113	95357	<1	1.17	60	60	<5	<10	0.79	<5	25	90	520	3.46	<50	0.04	0.52	300	5	0.09	25	0.06	20	<50	15	0.07	<50	90	<50	65
114	95358	<1	3.16	100	280	<5	<10	1.77	<5	25	490	165	3.71	<50	1.03	2.62	480	<5	0.11	125	0.06	10	<50	60	0.20	<50	100	<50	80
115	95359	<1	2.77	60	220	<5	20	2.11	<5	20	260	75	3.91	<50	0.45	1.75	570	<5	0.11	85	0.06	15	<50	100	0.16	<50	110	<50	70
116	95360	<1	2.60	30	60	<5	<10	1.61	<5	20	60	220	4.73	<50	0.12	1.16	580	<5	0.13	5	0.07	25	<50	60	0.16	<50	110	<50	110
117	95361	<1	1.17	40	80	<5	<10	1.10	<5	20	80	220	3.15	<50	0.12	0.59	320	<5	0.09	25	0.09	15	<50	20	0.18	<50	130	<50	50
118	95362	<1	1.20	60	40	<5	<10	1.38	<5	20	70	455	2.81	<50	0.06	0.54	330	<5	0.10	15	0.12	15	<50	35	0.13	<50	90	<50	60
119	95363	<1	1.48	190	60	<5	<10	2.12	<5	30	70	485	2.94	<50	0.06	0.57	420	<5	0.09	20	0.10	15	<50	45	0.10	<50	70	<50	70
120	95364	<1	2.22	200	140	<5	20	1.15	<5	35	340	35	3.52	<50	0.61	2.23	450	<5	0.09	100	0.07	10	<50	35	0.17	<50	80	<50	65
121	95365	<1	3.15	90	320	<5	10	1.96	<5	30	600	15	3.51	<50	0.91	2.60	440	<5	0.13	130	0.05	15	<50	65	0.22	<50	100	<50	70
122	95366	<1	1.44	170	60	<5	<10	1.41	<5	25	110	185	3.27	<50	0.09	0.67	410	5	0.08	20	0.09	10	<50	25	0.12	<50	120	<50	45
123	95367	<1	1.09	150	80	<5	<10	1.31	<5	20	170	115	2.67	<50	0.12	0.57	480	20	0.07	30	0.05	10	<50	25	0.07	<50	210	<50	65
124	95368	<1	1.15	220	60	<5	<10	1.39	<5	25	140	115	3.04	<50	0.06	0.48	460	10	0.10	25	0.06	10	<50	20	0.12	<50	270	<50	70
125	95369	<1	1.72	40	120	<5	<10	2.23	<5	20	110	80	3.25	<50	0.12	0.67	490	10	0.15	45	0.10	10	<50	50	0.15	<50	110	<50	75
126	95370	<1	1.16	360	240	<5	<10	2.39	<5	50	80	210	4.00	<50	0.11	0.52	540	15	0.08	25	0.15	10	<50	45	0.12	<50	100	<50	85
127	95371	<1	1.10	80	180	<5	<10	1.85	<5	25	60	220	4.20	<50	0.06	0.45	540	<5	0.09	10	0.09	10	<50	60	0.09	<50	90	<50	75
128	95372	<1	1.99	90	380	<5	<10	2.69	<5	25	30	225	3.07	<50	0.05	0.49	390	5	0.02	10	0.12	20	<50	50	<.01	<50	100	<50	105
129	95373	<1	0.61	250	80	<5	<10	2.32	<5	30	70	385	4.39	<50	0.11	0.63	1490	10	<.01	25	0.06	10	<50	20	<.01	<50	80	<50	55
130	95374	<1	1.07	190	100	<5	<10	2.56	<5	25	50	240	3.34	<50	0.09	0.48	770	10	<.01	15	0.09	15	<50	30	<.01	<50	90	<50	110

95-4

IMPERIAL METALS CORPORATION AK 96-077

ECO-TECH LABORATORIES LTD.

95-5

Et #.	Tag #	Ag	Al %	As	Ba	Be	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	Hg	K%	Mg%	Mn	Mo	Na%	Ni	P%	Pb	Sb	Sr	Ti%	U	V	W	Zn
131	95375	3.0	2.09	60	100	<5	<10	0.51	<5	25	80	1550	4.67	<50	0.30	0.66	670	15	0.06	30	0.12	20	<50	20	0.05	<50	150	<50	160
132	95376	2.0	2.01	160	60	<5	<10	0.48	<5	30	80	1450	5.66	<50	0.20	0.46	540	20	0.05	40	0.14	20	<50	15	0.06	<50	200	<50	150
133	95377	<1	1.90	60	40	<5	<10	0.45	<5	20	60	760	4.65	<50	0.10	0.64	400	20	0.06	25	0.12	10	<50	20	0.05	<50	230	<50	70
134	95378	<1	1.78	30	40	<5	<10	1.00	<5	20	80	290	5.12	<50	0.07	0.62	550	70	0.04	65	0.09	10	<50	10	0.04	<50	250	<50	165
135	95379	<1	1.77	20	80	<5	<10	0.76	<5	20	70	385	3.79	<50	0.05	0.67	380	30	0.11	50	0.10	10	<50	30	0.13	<50	140	<50	75
136	95380	<1	1.77	<10	120	<5	<10	0.61	<5	30	100	595	4.66	<50	0.12	0.62	420	35	0.08	75	0.09	15	<50	10	0.13	<50	230	<50	75
137	95381	<1	1.56	30	120	<5	<10	0.90	<5	20	100	245	3.95	<50	0.12	0.87	440	35	0.07	55	0.11	10	<50	10	0.20	<50	280	<50	120
138	95382	<1	1.50	20	100	<5	<10	0.73	<5	25	100	805	4.04	<50	0.13	0.75	370	20	0.07	55	0.09	400	<50	15	0.18	<50	210	<50	70
139	95383	<1	2.12	20	60	<5	<10	0.79	<5	60	80	1815	8.44	<50	0.04	0.69	510	35	0.08	100	0.10	20	<50	20	0.11	<50	220	<50	115
140	95384	<1	1.50	20	80	<5	<10	0.74	<5	20	90	265	3.83	<50	0.07	0.71	330	10	0.07	40	0.07	15	<50	15	0.17	<50	190	<50	60
141	95385	<1	1.61	<10	80	<5	<10	0.86	<5	15	90	215	3.49	<50	0.08	0.70	360	10	0.07	40	0.07	15	<50	20	0.19	<50	200	<50	60
142	95386	<1	1.57	6660	120	<5	<10	1.26	<5	70	90	370	5.32	<50	0.34	0.62	1250	30	0.02	20	0.08	45	<50	10	0.06	<50	190	<50	80
143	95387	<1	1.94	80	140	<5	<10	0.96	<5	15	100	325	5.06	<50	0.35	0.88	980	20	0.05	20	0.07	20	<50	20	0.12	<50	190	<50	90
144	95388	<1	1.64	70	80	<5	<10	0.89	<5	20	90	960	4.51	<50	0.18	0.63	510	35	0.07	30	0.08	15	<50	15	0.11	<50	180	<50	85
145	95389	<1	1.67	30	140	<5	<10	1.93	<5	15	50	395	3.53	<50	0.08	0.55	490	10	0.12	20	0.11	15	<50	35	0.12	<50	70	<50	65
146	95390	<1	1.26	190	60	<5	<10	1.81	<5	20	90	410	3.46	<50	0.06	0.52	550	35	0.07	40	0.10	25	<50	20	0.12	<50	280	<50	45
147	95391	<1	0.66	230	40	<5	<10	2.36	<5	20	50	635	4.29	<50	0.14	0.39	1350	70	<.01	90	0.09	5	<50	10	<.01	<50	240	<50	140
148	95392	<1	1.17	50	80	<5	<10	1.67	<5	10	120	325	3.16	<50	0.07	0.52	850	40	0.05	50	0.10	15	<50	25	0.06	<50	520	<50	130
149	95393	<1	1.06	30	40	<5	<10	1.96	<5	10	100	515	3.15	<50	0.06	0.42	660	80	0.07	40	0.12	10	<50	15	0.07	<50	290	<50	85
150	95394	<1	2.62	10	40	<5	<10	2.96	<5	55	80	1500	8.50	<50	0.05	0.49	900	35	0.21	150	0.12	15	<50	45	0.13	<50	250	<50	135
151	95395	10.0	2.49	>10000	80	<5	<10	3.42	<5	185	70	1990	9.75	<50	0.15	0.60	1730	85	0.18	105	0.25	185	100	55	0.06	<50	180	<50	410
152	95396	<1	1.95	110	80	<5	<10	3.14	<5	25	60	1560	4.73	<50	0.05	0.48	880	65	0.16	55	0.11	10	<50	50	0.05	<50	220	<50	140
153	95397	<1	1.41	50	60	<5	<10	2.72	<5	25	60	185	3.88	<50	0.04	0.28	680	60	0.15	70	0.10	10	<50	45	0.05	<50	150	<50	90
154	95398	3.0	1.03	260	60	<5	<10	2.22	<5	15	50	270	4.59	<50	0.11	0.46	1060	40	0.09	55	0.09	15	<50	25	0.03	100	140	<50	180
155	95399	<1	2.26	40	60	<5	<10	2.61	<5	55	70	805	8.13	<50	0.06	0.47	720	45	0.17	175	0.11	15	<50	50	0.07	<50	240	<50	80
156	95400	<1	1.96	<10	80	<5	<10	2.35	<5	10	60	70	2.57	<50	0.06	0.44	550	75	0.21	40	0.09	10	<50	55	0.06	<50	110	<50	60
157	95401	<1	1.91	30	80	<5	<10	2.34	<5	15	60	125	3.27	<50	0.05	0.24	540	115	0.22	55	0.10	10	<50	55	0.09	<50	110	<50	60
158	95402	<1	1.31	10	80	<5	<10	2.22	<5	15	60	170	3.64	<50	0.05	0.34	610	20	0.14	65	0.11	15	<50	30	0.10	<50	170	<50	55
159	95403	<1	0.65	660	60	<5	<10	2.34	<5	15	70	125	3.06	<50	0.04	0.28	720	30	0.04	30	0.08	15	<50	25	0.02	<50	120	<50	145
160	95404	<1	1.00	40	60	<5	<10	2.27	<5	15	70	310	2.41	<50	0.04	0.32	460	15	0.10	40	0.11	15	<50	35	0.09	<50	100	<50	55
161	95405	<1	0.98	<10	80	<5	<10	1.60	<5	15	60	565	2.14	<50	0.05	0.41	410	35	0.09	30	0.12	20	<50	20	0.07	<50	80	<50	130
162	95406	<1	0.65	20	240	<5	<10	2.25	<5	5	60	65	1.37	<50	0.04	0.26	370	10	0.06	15	0.11	15	<50	80	0.06	<50	70	<50	40
163	95407	<1	0.65	30	80	<5	<10	1.19	<5	15	80	165	2.25	<50	0.02	0.43	350	15	0.07	30	0.09	10	<50	15	0.09	<50	100	<50	80
164	95408	<1	0.80	<10	80	<5	<10	2.03	10	15	50	175	2.50	<50	0.03	0.52	490	5	0.07	30	0.08	15	<50	25	0.06	<50	120	<50	65
165	95409	<1	0.87	30	40	<5	<10	0.97	<5	15	50	90	2.68	<50	0.02	0.55	410	<5	0.05	15	0.09	10	<50	10	0.13	<50	70	<50	65

IMPERIAL METALS CORPORATION AK 95-477 — ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Ag	Al %	As	Ba	Be	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	Hg	K%	Mg%	Mn	Mo	Na%	Ni	P%	Pb	Sb	Sr	Ti%	U	V	W	Zn
166	95410	<1	0.71	<10	40	<5	<10	0.62	<5	15	50	90	2.89	<50	0.03	0.46	280	<5	0.05	20	0.10	10	<50	15	0.09	<50	60	<50	30
167	95411	<1	0.79	<10	60	<5	<10	0.63	<5	15	60	105	2.91	<50	0.04	0.46	280	<5	0.05	20	0.09	10	<50	15	0.09	<50	60	<50	35
168	95412	<1	1.38	20	140	<5	<10	1.37	<5	20	50	305	3.36	<50	0.04	0.45	400	<5	0.12	10	0.11	15	<50	25	0.10	<50	60	<50	85
169	95413	<1	1.54	10	140	<5	<10	1.90	<5	15	60	250	3.26	<50	0.05	0.49	470	5	0.19	15	0.10	20	<50	65	0.06	<50	80	<50	125
170	95414	<1	0.75	20	40	<5	<10	1.57	<5	10	80	230	2.85	<50	0.04	0.47	520	10	0.05	35	0.09	15	<50	15	0.06	<50	170	<50	75
171	95415	<1	0.71	70	60	<5	<10	1.94	<5	15	60	250	4.60	<50	0.04	0.55	920	10	0.06	35	0.06	15	<50	35	0.01	<50	110	<50	130
172	95416	<1	1.51	40	60	<5	<10	3.19	<5	15	60	240	3.25	<50	0.11	0.61	710	10	0.11	45	0.08	20	<50	55	0.02	<50	100	<50	135
173	95417	<1	0.57	690	60	<5	20	6.98	<5	60	330	35	0.59	<50	0.15	2.08	3800	5	0.01	360	0.02	<5	<50	75	<.01	<50	120	<50	385
174	95418	<1	2.85	90	420	<5	<10	2.77	<5	30	590	25	4.14	<50	1.24	3.46	880	<5	0.09	235	0.03	15	<50	45	0.16	<50	100	<50	100
175	95419	<1	3.28	120	580	<5	<10	3.49	<5	15	290	30	3.14	<50	0.63	1.76	550	<5	0.17	130	0.04	20	<50	110	0.11	<50	70	<50	105
176	95420	<1	1.26	260	200	<5	<10	2.20	<5	20	110	235	3.04	<50	0.16	0.74	520	15	0.05	40	0.06	15	<50	30	0.04	<50	200	<50	65
177	95421	2.0	0.40	>10000	60	<5	<10	0.66	<5	400	40	600	10.40	<50	0.15	0.57	2210	65	0.01	125	0.14	10	150	<5	<.01	<50	60	<50	90
178	95422	1.0	0.23	2940	40	<5	<10	0.36	<5	75	80	855	7.26	<50	0.07	0.46	2170	30	0.01	110	0.11	<5	<50	<5	<.01	<50	30	<50	25
179	95423	<1	0.25	8910	40	<5	<10	1.68	<5	360	80	280	4.32	<50	0.13	0.29	1140	165	0.01	135	0.08	<5	<50	<5	<.01	<50	30	<50	30
180	95424	7.0	0.13	>10000	60	<5	540	1.10	<5	6165	60	90	>15	<50	0.04	0.42	1780	125	<.01	460	0.07	15	1750	10	<.01	<50	30	<50	10
181	95425	2.0	0.50	4680	60	<5	<10	0.97	<5	85	50	1005	9.25	<50	0.28	0.61	2620	90	0.01	35	0.09	10	<50	15	<.01	<50	90	<50	155
182	95426	2.0	0.51	410	40	<5	<10	1.27	<5	45	30	960	6.36	<50	0.20	0.51	1500	15	0.01	30	0.09	40	<50	20	<.01	<50	50	<50	190
183	95427	<1	1.18	1000	100	<5	<10	0.99	<5	25	40	495	6.77	<50	0.23	0.71	1170	5	0.02	15	0.06	40	<50	15	0.03	<50	70	<50	185
184	95428	<1	0.64	500	40	<5	<10	1.67	<5	15	50	195	4.69	<50	0.24	0.51	1530	5	0.01	10	0.09	50	<50	15	<.01	<50	40	<50	385
185	95429	2.0	0.58	360	60	<5	<10	1.77	<5	25	90	560	4.55	<50	0.27	0.49	1390	15	0.02	15	0.07	45	<50	20	<.01	<50	70	<50	145
186	95430	<1	0.47	70	40	<5	<10	1.92	<5	10	60	185	2.40	<50	0.15	0.43	670	10	0.03	15	0.05	30	<50	15	<.01	<50	40	<50	180
187	95431	<1	0.60	50	60	<5	<10	2.38	<5	15	60	240	2.99	<50	0.24	0.43	870	5	0.02	10	0.06	15	<50	15	<.01	<50	20	<50	75
188	95432	<1	0.94	30	60	<5	<10	3.35	<5	10	30	270	3.36	<50	0.10	0.85	1030	5	0.05	<5	0.08	15	<50	45	0.02	<50	80	<50	190
189	95433	<1	1.43	60	180	<5	<10	3.85	<5	25	30	235	5.02	<50	0.07	0.54	1080	5	0.06	10	0.10	15	<50	65	0.03	<50	100	<50	185
190	95434	<1	2.82	20	720	<5	10	2.60	<5	10	250	30	2.69	<50	0.55	1.55	540	<5	0.12	85	0.04	25	<50	80	0.11	<50	70	<50	110
191	95435	<1	2.96	60	660	<5	<10	4.29	<5	10	310	50	3.27	<50	0.56	1.72	850	<5	0.10	150	0.04	25	<50	95	0.11	<50	70	<50	130
192	95436	<1	0.69	160	80	<5	<10	1.52	5	30	70	315	5.57	<50	0.16	0.71	1050	10	0.02	40	0.06	175	<50	25	0.03	<50	80	<50	795
193	95437	<1	1.36	70	80	<5	<10	2.32	<5	90	50	1510	9.91	<50	0.07	0.71	900	10	0.04	70	0.08	35	<50	25	0.01	<50	70	<50	110
194	95438	<1	0.85	70	40	<5	<10	1.86	<5	10	70	90	2.62	<50	0.10	0.52	810	10	0.03	15	0.08	55	<50	20	<.01	<50	140	<50	205
195	95439	1.0	0.65	1040	240	<5	<10	1.27	<5	25	40	555	11.00	<50	0.23	0.72	2810	80	0.01	40	0.09	5	<50	5	<.01	<50	160	<50	740
196	95440	7.0	0.41	160	60	<5	<10	0.38	<5	25	30	2455	14.80	<50	0.23	0.89	3200	35	<.01	25	0.07	<5	<50	<5	<.01	<50	120	<50	65
197	95441	5.0	0.39	220	60	<5	<10	0.47	<5	30	60	1540	12.90	<50	0.17	0.87	3360	55	<.01	30	0.11	<5	<50	<5	<.01	<50	120	<50	35
198	95442	56.0	0.51	170	80	<5	<10	0.47	<5	45	50	13665	>15	<50	0.12	0.89	3460	65	<.01	110	0.26	30	<50	10	<.01	<50	210	<50	205
199	95443	54.0	0.47	150	60	<5	<10	0.44	<5	30	60	16485	14.00	<50	0.20	0.65	2780	175	<.01	80	0.31	15	<50	5	<.01	<50	110	<50	120
200	95444	16.0	0.37	110	60	<5	<10	0.46	<5	20	50	4745	11.00	<50	0.27	0.57	2560	365	<.01	55	0.18	15	<50	15	<.01	<50	110	<50	210

IMPERIAL METALS CORPORATION AK 95-877

ECO-TECH LABORATORIES LTD.

95-5

Et #.	Tag #	Ag	Al %	As	Ba	Be	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	Hg	K%	Mg%	Mn	Mo	Na%	Ni	P%	Pb	Sb	Sr	Ti%	U	V	W	Zn
201	95445	5.0	0.35	300	40	<5	<10	0.78	<5	30	50	1710	8.11	<50	0.31	0.55	2770	15	<.01	30	0.12	45	<50	<5	<.01	<50	50	<50	395
202	95446	2.0	0.19	1810	20	<5	<10	1.53	<5	125	100	1185	5.34	<50	0.10	0.33	2130	870	0.01	180	0.26	<5	<50	<5	<.01	<50	30	<50	40
203	95447	4.0	0.32	400	40	<5	<10	0.79	<5	30	70	1730	9.19	<50	0.15	0.49	3000	110	<.01	55	0.18	<5	<50	<5	<.01	<50	90	<50	40
204	95448	20.0	0.33	220	60	<5	<10	0.72	<5	25	80	7035	12.00	<50	0.18	0.60	2580	75	<.01	40	0.24	<5	<50	<5	<.01	<50	170	<50	75
205	95449	3.0	0.17	>10000	40	<5	180	1.07	<5	425	80	325	9.47	<50	0.15	0.25	1890	50	<.01	80	0.06	<5	100	5	<.01	<50	10	<50	10
206	95450	15.0	0.14	>10000	180	<5	<10	1.45	<5	510	100	1805	9.83	<50	0.13	0.17	2100	45	<.01	30	0.09	20	50	10	<.01	<50	<10	<50	45
207	95451	8.0	0.28	4270	80	<5	<10	0.87	<5	240	60	1050	14.80	<50	0.23	0.42	4790	30	<.01	40	0.09	10	<50	5	<.01	<50	20	<50	500
208	95452	16.0	0.35	3680	60	<5	<10	0.47	<5	155	40	3845	13.30	<50	0.26	0.64	3700	20	<.01	25	0.12	25	<50	<5	<.01	<50	50	<50	450
209	95453	5.0	0.33	1680	120	<5	<10	0.50	<5	140	50	940	> 15	<50	0.27	0.65	3480	25	<.01	25	0.12	70	<50	5	<.01	<50	40	<50	460
210	95454	10.0	0.36	4440	180	<5	10	0.33	<5	80	60	1550	> 15	<50	0.27	0.55	2580	75	<.01	60	0.08	115	<50	10	<.01	<50	60	<50	240
211	95455	7.0	0.39	2290	140	<5	<10	0.32	<5	60	70	2015	13.30	<50	0.26	0.59	2180	60	<.01	35	0.09	100	<50	10	<.01	<50	100	<50	415
212	95456	25.0	0.35	1880	160	<5	<10	0.20	<5	120	70	5385	> 15	<50	0.26	0.53	2690	50	<.01	40	0.07	95	<50	<5	<.01	<50	40	<50	560
213	95457	28.0	0.34	1730	120	<5	<10	1.10	<5	80	70	6755	14.90	<50	0.25	0.73	3200	40	<.01	55	0.15	40	<50	15	<.01	<50	40	<50	270
214	95458	<1	0.23	270	40	<5	<10	1.11	<5	15	30	290	3.69	<50	0.14	0.46	1010	5	<.01	10	0.05	25	<50	10	<.01	<50	40	<50	170
215	95459	<1	0.33	970	40	<5	<10	1.51	<5	15	40	155	3.41	<50	0.10	0.51	1340	5	<.01	10	0.06	20	<50	15	<.01	<50	40	<50	130
216	95460	<1	0.34	460	40	<5	<10	1.15	<5	15	50	150	5.18	<50	0.16	0.49	1530	<5	<.01	10	0.07	25	<50	10	<.01	<50	50	<50	180
217	95461	<1	2.21	40	120	<5	<10	2.10	<5	15	80	85	2.59	<50	0.09	0.63	420	<5	0.17	40	0.09	25	<50	105	0.06	<50	50	<50	105
218	95462	<1	2.66	30	200	<5	10	1.99	<5	25	110	80	3.44	<50	0.40	1.06	400	<5	0.17	40	0.10	20	<50	125	0.16	<50	90	<50	100
219	95463	<1	1.79	130	40	<5	<10	2.38	<5	20	70	135	3.74	<50	0.13	0.86	550	10	0.11	35	0.07	20	<50	45	0.01	<50	110	<50	100
220	95464	<1	1.27	60	40	<5	<10	1.28	<5	15	60	85	2.20	<50	0.06	0.59	260	<5	0.13	70	0.09	15	<50	45	0.05	<50	60	<50	60
221	95465	<1	1.05	100	40	<5	<10	1.11	<5	30	60	145	3.46	<50	0.07	0.69	390	<5	0.06	15	0.15	30	<50	10	0.11	<50	100	<50	80

IMPERIAL METALS CORPORATION AK 95-877

ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Ag	Al %	As	Ba	Be	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	Hg	K%	Mg%	Mn	Mo	Na%	Ni	P%	Pb	Sb	Sr	Ti%	U	V	W	Zn
QC/DATA:																													
Resplit:																													
R/S 1	95245	3.0	2.28	60	60	<5	<10	2.46	<5	25	100	2340	8.64	<50	0.17	2.01	2840	5	0.05	50	0.13	25	<50	25	0.04	<50	120	<50	110
R/S 37	95281	<1	0.56	720	<20	<5	<10	0.35	<5	15	200	445	6.23	<50	0.12	0.51	1820	<5	0.02	125	0.05	<5	150	<5	<.01	<50	30	<50	75
R/S 71	95315	<1	0.36	3270	130	<5	<10	2.89	<5	15	40	185	3.40	<50	0.10	0.87	1320	5	0.03	<5	0.04	25	<50	40	<.01	<50	30	<50	200
R/S 106	95350	<1	1.49	20	40	<5	<10	1.47	<5	25	60	165	5.43	<50	0.04	0.20	360	45	0.17	75	0.08	10	<50	30	0.08	<50	160	<50	40
R/S 141	95385	<1	1.47	<10	90	<5	<10	0.83	<5	20	80	235	3.92	<50	0.11	0.76	370	5	0.06	50	0.07	15	<50	15	0.17	<50	200	<50	65
R/S 176	95420	<1	1.15	260	220	<5	<10	2.16	<5	20	100	255	3.04	<50	0.13	0.70	510	15	0.04	45	0.06	15	<50	20	0.03	<50	190	<50	75
211	95455	9.0	0.37	2360	140	<5	<10	0.32	<5	60	60	2135	13.60	<50	0.26	0.54	2050	50	0.01	35	0.09	100	<50	<5	<.01	<50	90	<50	376
Repeat:																													
1	95245	3.0	2.38	60	60	<5	<10	2.48	<5	25	110	2335	8.41	<50	0.21	2.01	2820	5	0.07	50	0.12	25	<50	25	0.05	<50	120	<50	105
38	95282	1.0	0.13	70	60	<5	20	0.63	<5	10	50	20	> 15	<50	0.07	1.83	7440	35	0.02	15	0.11	<5	<50	5	0.01	<50	<10	<50	10
76	95320	<1	4.95	90	240	<5	<10	3.06	<5	10	320	55	2.39	<50	0.86	1.69	280	<5	0.13	175	0.04	35	<50	130	0.14	<50	60	<50	35
114	95358	<1	3.26	110	280	<5	<10	1.84	<5	25	500	180	3.78	<50	1.05	2.69	490	<5	0.12	130	0.06	20	<50	55	0.21	<50	100	<50	80
152	95396	<1	2.15	120	60	<5	<10	3.40	<5	25	70	1655	5.06	<50	0.04	0.52	930	85	0.18	60	0.12	10	<50	45	0.07	<50	240	<50	150
190	95434	<1	3.06	10	760	<5	30	2.79	<5	10	270	30	2.88	<50	0.56	1.71	590	<5	0.14	90	0.05	25	<50	90	0.13	<50	80	<50	115

95-5

95877
XLS/95Imperial

ECO-TECH LABORATORIES LTD.
per Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

27-Oct-95

log 1157

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

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IMPERIAL METALS CORPORATION AK 95-1007
420-355 BURRARD STREET
VANCOUVER, B.C.
V6C 2G8

ATTN: PAT McARDLESS

152 Core samples received October 23, 1995
PROJECT #: Giant Copper
SHIPMENT #: 2
Samples submitted by Mark Tindall

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Be	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	Hg	K%	Mg%	Mn	Mo	Na%	Ni	P%	Pb	Sb	Sr	Ti%	U	V	W	Zn
1	95610	<1	1.49	250	60	<5	<10	0.43	<5	40	60	580	4.15	<50	0.17	0.71	580	10	0.04	20	0.08	<5	<50	15	0.02	<50	80	<50	65
2	95611	<1	1.26	20	60	<5	<10	1.02	<5	20	70	195	3.65	<50	0.08	0.53	370	30	0.08	70	0.11	<5	<50	35	0.04	<50	160	<50	65
3	95612	<1	3.43	20	60	<5	<10	2.58	<5	15	60	140	3.11	<50	0.06	0.67	410	5	0.36	40	0.10	10	<50	165	0.07	<50	70	<50	100
4	95613	<1	1.33	50	100	<5	<10	1.11	<5	30	80	440	4.22	<50	0.05	0.50	370	15	0.12	35	0.13	10	<50	40	0.05	<50	190	<50	130
5	95614	<1	1.66	80	60	<5	<10	1.16	<5	30	80	1100	4.20	<50	0.04	0.38	410	25	0.14	55	0.15	<5	<50	45	0.05	<50	270	<50	55
6	95615	<1	1.43	100	80	<5	<10	0.53	<5	25	60	385	4.64	<50	0.14	0.63	530	15	0.05	20	0.08	15	<50	15	0.02	<50	130	<50	150
7	95616	2.0	1.21	120	100	<5	<10	0.49	<5	15	60	170	3.24	<50	0.28	0.70	420	10	0.04	15	0.07	5	<50	15	0.01	<50	70	<50	75
8	95617	<1	1.53	70	40	<5	<10	1.13	<5	25	80	335	4.61	<50	0.05	0.47	400	10	0.15	25	0.15	5	<50	40	0.05	<50	130	<50	120
9	95618	<1	1.16	10	40	<5	<10	0.95	<5	15	60	130	2.94	<50	0.03	0.37	260	15	0.13	25	0.09	<5	<50	25	0.07	<50	110	<50	55
10	95619	<1	1.33	<10	40	<5	<10	1.13	10	20	60	180	2.99	<50	0.04	0.40	260	5	0.15	50	0.08	5	<50	30	0.05	<50	80	<50	90
11	95620	<1	1.50	20	40	<5	<10	1.13	<5	15	60	70	2.26	<50	0.05	0.59	230	5	0.15	25	0.08	5	<50	40	0.06	<50	90	<50	120
12	95621	<1	1.16	30	40	<5	10	0.96	<5	15	50	90	2.06	<50	0.04	0.45	210	<5	0.11	20	0.06	<5	<50	25	0.07	<50	80	<50	45
13	95622	<1	1.84	<10	60	<5	<10	1.58	<5	20	60	100	4.07	<50	0.05	0.44	300	<5	0.21	20	0.21	<5	<50	55	0.06	<50	50	<50	75
14	95623	<1	1.57	<10	60	<5	<10	1.43	<5	20	60	155	3.65	<50	0.04	0.48	310	5	0.17	30	0.09	10	<50	40	0.07	<50	100	<50	70
15	95624	<1	1.41	<10	40	<5	<10	1.07	<5	20	70	175	3.13	<50	0.04	0.59	260	5	0.14	20	0.10	20	<50	30	0.09	<50	80	<50	105
16	95625	<1	1.35	<10	100	<5	<10	1.14	<5	20	60	185	3.35	<50	0.04	0.61	300	5	0.12	15	0.09	10	<50	35	0.08	<50	90	<50	85
17	95626	<1	1.44	20	40	<5	<10	1.42	<5	20	60	215	3.20	<50	0.04	0.50	310	<5	0.13	20	0.21	5	<50	35	0.07	<50	90	<50	55
18	95627	<1	1.56	10	40	<5	<10	1.73	<5	20	70	280	4.47	<50	0.11	0.86	640	10	0.07	25	0.10	15	<50	25	0.07	<50	190	<50	225
19	95628	1.0	2.72	>10000	60	<5	140	1.66	<5	1205	50	165	> 15	<50	0.23	1.02	2790	60	0.02	160	0.05	20	100	25	0.01	<50	240	<50	225
20	95629	<1	0.98	330	80	<5	<10	3.28	<5	65	30	910	10.70	<50	0.31	1.03	3930	10	0.01	30	0.09	10	<50	30	<.01	<50	90	<50	315
21	95630	2.0	1.23	240	60	<5	<10	2.34	<5	25	50	410	6.57	<50	0.33	0.61	2360	10	0.01	10	0.09	20	<50	15	0.01	<50	60	<50	285
22	95631	11.0	2.37	9700	80	<5	270	2.66	<5	360	60	230	10.90	<50	0.27	0.86	2690	20	0.01	25	0.07	140	<50	30	0.01	<50	230	<50	120
23	95632	1.0	0.64	140	40	<5	<10	3.09	<5	20	60	410	4.54	<50	0.22	0.57	1240	25	0.02	20	0.08	30	<50	20	<.01	<50	120	<50	85
24	95633	<1	0.73	100	40	<5	<10	2.39	<5	20	100	160	3.67	<50	0.09	0.44	690	10	0.02	30	0.09	10	<50	10	<.01	<50	170	<50	85
25	95634	<1	1.37	60	40	<5	<10	1.81	<5	20	80	210	3.79	<50	0.06	0.45	680	15	0.11	20	0.11	15	<50	40	0.04	<50	170	<50	110

IMPERIAL METALS CORPORATION AK 96-1007

ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Ag	Al %	As	Ba	Be	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	Hg	K%	Mg%	Mn	Mo	Na%	Ni	P%	Pb	Sb	Sr	Ti%	U	V	W	Zn
26	95635	<1	1.11	60	20	<5	<10	1.39	<5	25	80	240	4.54	<50	0.04	0.59	520	10	0.06	30	0.14	5	<50	15	0.05	<50	140	<50	60
27	95636	<1	1.30	40	40	<5	<10	1.30	<5	30	100	270	5.38	<50	0.04	0.51	450	10	0.12	35	0.09	10	<50	35	0.09	<50	130	<50	90
28	95637	<1	0.89	<10	80	<5	<10	1.14	<5	20	90	125	3.45	<50	0.12	0.49	450	<5	0.07	20	0.15	10	<50	20	0.13	<50	160	<50	95
29	95638	<1	1.63	880	100	<5	<10	1.80	<5	50	80	145	4.79	<50	0.16	0.85	800	20	0.07	20	0.13	20	<50	20	0.06	<50	210	<50	330
30	95639	<1	1.34	290	60	<5	<10	1.54	<5	45	70	260	5.69	<50	0.07	0.76	700	15	0.06	25	0.12	5	<50	20	0.06	<50	210	<50	170
31	95640	<1	1.22	90	40	<5	<10	1.33	<5	35	100	285	5.19	<50	0.05	0.64	550	25	0.08	35	0.15	15	<50	15	0.07	<50	220	<50	200
32	95641	<1	1.21	30	40	<5	<10	1.84	<5	20	70	240	3.72	<50	0.04	0.48	440	10	0.10	50	0.16	5	<50	35	0.09	<50	150	<50	90
33	95642	<1	3.39	40	280	<5	20	1.90	<5	25	450	25	3.37	<50	1.27	3.13	480	<5	0.16	220	0.05	10	<50	80	0.13	<50	60	<50	100
34	95643	<1	4.44	190	240	<5	<10	3.11	<5	30	470	20	3.78	<50	1.07	2.96	660	<5	0.19	195	0.06	10	<50	95	0.16	<50	80	<50	80
35	95644	<1	0.89	<10	20	<5	<10	2.90	<5	25	80	150	4.58	<50	0.03	0.43	640	10	0.07	30	0.18	20	<50	15	0.07	<50	140	<50	95
36	95645	<1	1.20	150	20	<5	10	1.38	<5	25	80	120	4.36	<50	0.03	0.75	500	10	0.05	30	0.09	35	<50	5	0.08	<50	190	<50	105
37	95646	<1	1.17	30	40	<5	<10	1.18	<5	20	90	120	4.10	<50	0.05	0.57	410	10	0.10	30	0.12	15	<50	10	0.11	<50	150	<50	85
38	95647	<1	1.34	10	40	<5	<10	2.03	<5	10	60	65	3.03	<50	0.07	0.60	530	10	0.13	15	0.15	15	<50	45	0.09	<50	120	<50	70
39	95648	<1	0.77	40	40	<5	<10	1.54	<5	15	100	80	3.57	<50	0.05	0.48	510	10	0.09	35	0.12	15	<50	15	0.08	<50	200	<50	105
40	95649	<1	1.43	<10	60	<5	<10	2.13	<5	20	80	150	5.22	<50	0.09	0.52	600	15	0.15	45	0.18	15	<50	35	0.10	<50	170	<50	90
41	95650	<1	0.89	20	40	<5	<10	1.82	<5	15	120	95	3.47	<50	0.04	0.58	590	15	0.09	30	0.13	15	<50	15	0.12	<50	200	<50	80
42	95651	<1	0.57	120	40	<5	<10	3.41	<5	20	90	185	5.03	<50	0.06	0.43	820	10	0.07	35	0.15	20	<50	25	0.09	<50	120	<50	95
43	95652	<1	0.99	80	100	<5	<10	1.96	<5	20	110	120	4.83	<50	0.15	0.75	760	10	0.08	25	0.11	20	<50	25	0.11	<50	150	<50	285
44	95653	<1	1.18	40	120	<5	<10	1.44	<5	20	70	115	5.03	<50	0.25	0.70	450	<5	0.10	20	0.10	10	<50	20	0.18	<50	140	<50	75
45	95654	<1	1.25	70	120	<5	<10	1.67	<5	15	70	100	4.40	<50	0.21	0.78	440	5	0.08	20	0.11	15	<50	25	0.09	<50	140	<50	75
46	95655	<1	1.02	40	80	<5	<10	1.79	<5	20	80	100	5.11	<50	0.10	0.52	520	5	0.09	20	0.10	20	<50	35	0.07	<50	140	<50	75
47	95656	<1	0.49	<10	40	<5	<10	1.93	<5	20	80	75	4.62	<50	0.05	0.35	590	<5	0.08	10	0.12	20	<50	20	0.12	<50	80	<50	130
48	95657	<1	0.34	190	60	<5	<10	11.60	<5	25	40	130	8.55	<50	0.04	0.78	1910	5	0.04	10	0.09	10	<50	50	0.02	<50	110	<50	105
49	95658	<1	0.73	<10	60	<5	<10	2.12	<5	30	60	215	6.45	<50	0.07	0.41	880	5	0.07	15	0.13	25	<50	30	0.10	<50	80	<50	135
50	95659	<1	0.79	90	40	<5	<10	3.28	<5	30	50	405	6.60	<50	0.06	0.52	970	5	0.07	15	0.12	35	<50	25	0.07	<50	110	<50	150
51	95660	15.0	1.94	170	120	<5	<10	0.96	<5	20	80	4250	7.80	<50	0.28	0.78	3160	135	0.10	35	0.16	30	<50	45	0.08	<50	90	<50	165
52	95661	2.0	0.40	750	80	<5	<10	0.46	<5	20	40	805	9.56	<50	0.50	0.50	4040	45	<.01	10	0.05	<5	<50	5	<.01	<50	20	<50	45
53	95662	9.0	0.37	2170	60	<5	<10	0.55	<5	35	50	2950	10.40	<50	0.39	0.53	3050	60	<.01	25	0.18	<5	<50	5	<.01	<50	20	<50	55
54	95663	<1	0.42	100	80	<5	20	0.64	<5	15	30	135	> 15	<50	0.40	1.04	7400	20	<.01	15	0.10	<5	<50	15	0.01	<50	40	<50	60
55	95664	1.0	0.41	<10	60	<5	<10	0.57	<5	15	60	660	> 15	<50	0.39	0.86	4890	20	<.01	30	0.11	<5	<50	<5	<.01	<50	40	<50	45
56	95665	4.0	0.33	<10	100	<5	<10	0.65	<5	15	50	1155	> 15	<50	0.22	1.10	4920	110	<.01	25	0.12	<5	<50	15	<.01	<50	60	<50	30
57	95666	5.0	0.46	80	80	<5	<10	0.75	<5	20	80	1750	> 15	<50	0.16	1.08	5330	95	<.01	35	0.08	<5	<50	10	0.01	<50	70	<50	260
58	95667	1.0	2.86	50	180	<5	<10	3.21	<5	20	40	890	4.33	<50	0.16	0.68	670	<5	0.21	<5	0.30	15	<50	70	0.03	<50	50	<50	90
59	95668	4.0	0.33	500	60	<5	<10	0.56	<5	10	80	1665	5.86	<50	0.22	0.36	1780	35	<.01	15	0.20	<5	<50	<5	<.01	<50	20	<50	160
60	95669	<1	0.33	780	60	<5	<10	0.40	<5	15	90	470	3.80	<50	0.16	0.26	800	10	0.01	15	0.13	<5	<50	10	<.01	<50	20	<50	100

Et #.	Tag #	Ag	Al %	As	Ba	Be	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	Hg	K%	Mg%	Mn	Mo	Na%	Ni	P%	Pb	Sb	Sr	Ti%	U	V	W	Zn
61	95670	4.0	1.66	330	160	<5	<10	0.80	<5	15	60	2275	6.03	<50	0.46	0.91	910	15	0.06	20	0.13	15	<50	25	0.11	<50	90	<50	75
62	95671	<1	0.54	90	80	<5	20	1.33	<5	15	60	100	13.50	<50	0.41	1.20	5000	15	<.01	10	0.08	15	<50	10	<.01	<50	50	<50	100
63	95672	6.0	2.54	130	120	<5	<10	0.96	<5	25	30	1730	> 15	<50	0.30	1.46	3920	20	0.02	10	0.12	55	<50	20	0.04	<50	120	<50	155
64	95673	13.0	1.46	380	100	<5	<10	0.64	<5	40	60	4040	> 15	<50	0.32	1.21	4910	25	<.01	70	0.19	<5	<50	10	0.01	<50	80	<50	85
65	95674	6.0	0.52	330	100	<5	<10	0.63	<5	25	40	1920	> 15	<50	0.32	0.92	3450	20	<.01	25	0.16	<5	<50	15	<.01	<50	70	<50	75
66	95675	4.0	0.42	310	80	<5	<10	0.56	<5	25	60	1285	9.53	<50	0.34	0.59	2640	15	<.01	20	0.11	<5	<50	<5	<.01	<50	40	<50	110
67	95676	2.0	2.19	140	140	<5	<10	2.03	<5	25	70	1730	4.84	<50	0.21	0.59	760	<5	0.14	15	0.14	15	<50	35	0.04	<50	50	<50	170
68	95677	2.0	0.31	480	80	<5	<10	0.44	<5	20	120	330	11.00	<50	0.19	0.72	2260	15	<.01	60	0.09	<5	<50	<5	<.01	<50	50	<50	155
69	95678	7.0	0.96	350	60	<5	<10	1.29	<5	25	60	2545	4.70	<50	0.33	0.52	1130	10	0.04	20	0.08	20	<50	10	0.02	<50	50	<50	215
70	95679	15.0	0.34	1810	80	<5	<10	0.66	<5	55	70	5130	13.70	<50	0.27	0.82	3250	15	<.01	40	0.25	<5	<50	15	<.01	<50	50	<50	45
71	95680	2.0	0.56	300	160	<5	<10	2.05	<5	10	60	865	5.34	<50	0.46	0.77	1910	10	0.01	<5	0.12	10	<50	20	<.01	<50	10	<50	265
72	95681	4.0	0.48	930	60	<5	<10	0.45	<5	25	60	700	8.85	<50	0.63	0.51	3330	10	<.01	5	0.12	<5	<50	<5	<.01	<50	<10	<50	40
73	95682	2.0	0.34	300	80	<5	<10	0.48	<5	35	110	355	12.20	<50	0.26	0.66	4560	20	<.01	30	0.12	<5	<50	<5	<.01	<50	20	<50	25
74	95683	<1	0.38	310	40	<5	<10	0.56	<5	35	110	200	12.80	<50	0.24	0.72	3220	20	<.01	30	0.14	<5	<50	<5	<.01	<50	50	<50	20
75	95684	<1	0.41	130	60	<5	<10	0.50	<5	25	100	330	12.50	<50	0.31	0.77	3190	15	<.01	25	0.10	<5	<50	10	<.01	<50	30	<50	25
76	95685	2.0	0.53	170	80	<5	<10	1.19	<5	25	110	1110	13.00	<50	0.34	1.07	3950	15	<.01	50	0.17	<5	<50	10	0.01	<50	50	<50	100
77	95686	1.0	1.23	350	80	<5	<10	2.00	<5	20	80	790	4.71	<50	0.41	0.70	1260	15	0.02	45	0.08	30	<50	10	0.03	<50	90	<50	345
78	95687	7.0	0.66	350	80	<5	<10	0.69	<5	20	80	2385	7.11	<50	0.84	0.50	2710	15	0.01	30	0.09	40	<50	10	<.01	<50	40	<50	195
79	95688	19.0	0.39	180	120	<5	<10	0.80	<5	40	140	5990	9.60	<50	0.31	0.88	2930	10	<.01	55	0.35	10	<50	15	<.01	<50	20	<50	50
80	95689	1.0	0.69	310	80	<5	<10	2.26	<5	15	80	290	2.90	<50	0.43	0.48	900	10	0.02	20	0.05	20	<50	25	<.01	<50	40	<50	325
81	95690	<1	1.10	250	100	<5	<10	2.45	<5	20	80	255	4.19	<50	0.44	0.54	1070	10	0.02	40	0.05	15	<50	25	<.01	<50	80	<50	140
82	95691	<1	0.71	260	40	<5	<10	0.91	<5	20	70	330	6.31	<50	0.59	0.53	1680	20	0.01	25	0.04	35	<50	<5	<.01	<50	40	<50	270
83	95692	6.0	0.51	9520	60	<5	<10	0.65	<5	80	70	1680	11.70	<50	0.38	0.67	3240	15	<.01	50	0.20	<5	<50	<5	<.01	<50	70	<50	70
84	95693	3.0	0.35	490	60	<5	<10	0.37	<5	20	70	715	10.60	<50	0.38	0.69	2630	15	<.01	25	0.08	5	<50	10	<.01	<50	40	<50	85
85	95694	<1	0.39	1040	60	<5	<10	0.45	<5	25	110	545	12.10	<50	0.35	0.77	3190	15	<.01	30	0.09	<5	<50	<5	<.01	<50	40	<50	30
86	95695	1.0	0.35	770	100	<5	<10	0.40	<5	20	110	495	14.10	<50	0.26	0.86	3580	15	<.01	20	0.06	<5	<50	15	<.01	<50	50	<50	20
87	95696	2.0	0.34	430	120	<5	<10	0.51	<5	20	140	380	> 15	<50	0.16	0.96	3840	15	<.01	55	0.08	<5	<50	10	<.01	<50	60	<50	115
88	95697	5.0	0.41	1100	100	<5	<10	0.58	<5	30	150	1280	> 15	<50	0.16	1.11	3920	20	<.01	55	0.08	<5	<50	<5	<.01	<50	80	<50	45
89	95698	3.0	0.41	1000	60	<5	<10	0.38	<5	25	120	965	10.60	<50	0.40	0.66	2670	10	<.01	25	0.08	<5	<50	10	<.01	<50	30	<50	35
90	95699	3.0	0.31	570	100	<5	<10	0.48	<5	25	90	1475	> 15	<50	0.18	1.29	5300	15	<.01	50	0.04	<5	<50	5	<.01	<50	70	<50	25
91	95700	3.0	0.78	570	100	<5	<10	0.65	<5	20	90	690	6.67	<50	0.55	0.61	1950	15	<.01	20	0.07	95	<50	20	<.01	<50	30	<50	585
92	95701	<1	0.61	300	60	<5	<10	0.34	<5	15	100	290	8.48	<50	0.53	0.45	1940	10	<.01	20	0.07	30	<50	<5	<.01	<50	20	<50	350
93	95702	<1	0.25	1560	20	<5	<10	0.42	<5	25	190	45	4.44	<50	0.14	0.31	1260	10	0.01	25	0.16	<5	<50	<5	<.01	<50	<10	<50	10
94	95703	8.0	0.46	910	60	<5	<10	0.61	<5	25	100	2410	13.20	<50	0.27	0.90	4080	15	<.01	55	0.26	10	<50	5	<.01	<50	50	<50	75
95	95704	6.0	0.48	130	60	<5	<10	0.71	<5	25	70	1885	14.70	<50	0.42	1.09	6840	15	<.01	50	0.17	<5	<50	<5	0.01	<50	50	<50	115

[redacted] IMPERIAL METALS CORPORATION AK 95-1[redacted] [redacted] E[redacted]CH LA[redacted]TORI[redacted]

Et #.	Tag #	Ag	Al %	As	Ba	Be	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	Hg	K%	Mg%	Mn	Mo	Na%	Ni	P%	Pb	Sb	Sr	Ti%	U	V	W	Zn
96	95705	<1	0.51	420	80	<5	<10	0.79	<5	20	80	280	14.70	<50	0.39	1.18	4760	10	<.01	20	0.18	<5	<50	15	<.01	<50	50	<50	120
97	95706	<1	0.45	90	80	<5	<10	1.14	<5	15	120	45	10.20	<50	0.34	1.07	3940	10	<.01	10	0.09	<5	<50	15	<.01	<50	60	<50	85
98	95707	<1	0.34	420	40	<5	<10	0.41	<5	25	140	100	6.90	<50	0.24	0.48	1670	5	<.01	30	0.11	<5	<50	<5	<.01	<50	20	<50	20
99	95708	7.0	0.38	6580	60	<5	<10	0.60	<5	50	90	2160	12.20	<50	0.29	0.74	3160	15	<.01	60	0.16	<5	<50	<5	<.01	<50	30	<50	95
100	95709	7.0	0.46	2700	80	<5	<10	0.49	<5	40	60	2235	11.40	<50	0.49	0.69	3100	10	<.01	30	0.12	<5	<50	15	<.01	<50	40	<50	65
101	95710	29.0	0.37	2820	80	<5	<10	0.70	<5	40	90	9475	> 15	<50	0.24	0.86	4060	15	<.01	65	0.31	<5	<50	15	0.01	<50	40	<50	80
102	95711	35.0	0.44	280	100	<5	<10	0.61	<5	30	60	11570	> 15	<50	0.38	0.86	3810	15	<.01	80	0.30	<5	<50	25	0.01	<50	50	<50	75
103	95712	48.0	0.46	200	60	<5	<10	0.78	<5	35	60	12480	> 15	<50	0.22	1.20	6150	30	<.01	100	0.38	45	<50	<5	0.02	<50	80	<50	245
104	95713	41.0	0.48	100	80	<5	<10	0.67	<5	40	80	12580	> 15	<50	0.38	0.96	6230	20	<.01	95	0.33	15	<50	15	0.02	<50	90	<50	210
105	95714	23.0	0.49	120	80	<5	<10	0.83	<5	35	70	6130	> 15	<50	0.24	1.15	4650	35	<.01	65	0.35	25	<50	15	0.01	<50	80	<50	95
106	95715	14.0	0.51	30	60	<5	<10	0.77	<5	25	60	4630	> 15	<50	0.36	0.99	4500	30	<.01	45	0.31	<5	<50	<5	0.01	<50	60	<50	70
107	95716	30.0	0.58	220	60	<5	<10	0.79	<5	25	100	10400	14.50	<50	0.40	0.95	3620	40	<.01	60	0.43	<5	<50	<5	0.01	<50	70	<50	65
108	95717	3.0	0.46	110	80	<5	<10	0.71	<5	15	110	1140	10.80	<50	0.35	0.79	2620	40	<.01	20	0.28	<5	<50	25	<.01	<50	60	<50	30
109	95718	2.0	0.46	190	40	<5	<10	0.82	<5	15	120	855	11.80	<50	0.25	0.89	2900	115	<.01	20	0.33	<5	<50	<5	<.01	<50	70	<50	30
110	95719	1.0	0.94	440	60	<5	<10	0.88	<5	30	90	575	5.88	<50	0.43	0.62	1480	20	0.02	25	0.10	25	<50	<5	<.01	<50	40	<50	205
111	95720	<1	0.55	110	60	<5	<10	0.90	<5	35	60	1315	8.61	<50	0.39	0.65	1550	10	0.01	30	0.11	55	<50	10	<.01	<50	40	<50	315
112	95721	4.0	0.61	610	80	<5	<10	0.73	<5	35	90	1505	13.60	<50	0.40	0.91	2980	40	0.01	30	0.21	<5	<50	15	<.01	<50	80	<50	70
113	95722	17.0	0.49	170	100	<5	<10	0.76	<5	35	70	5240	> 15	<50	0.31	1.13	5430	25	<.01	45	0.26	5	<50	10	0.01	<50	100	<50	130
114	95723	15.0	0.44	470	80	<5	<10	0.82	<5	60	110	5750	> 15	<50	0.25	0.89	4260	35	0.01	80	0.37	<5	<50	20	0.01	<50	100	<50	55
115	95724	11.0	0.42	440	60	<5	<10	0.80	<5	35	80	4595	14.40	<50	0.27	0.75	3700	25	<.01	55	0.32	<5	<50	5	<.01	<50	80	<50	55
116	95725	7.0	0.46	340	80	<5	<10	0.70	<5	30	60	2480	10.80	<50	0.43	0.64	3060	15	0.01	45	0.24	<5	<50	10	<.01	<50	30	<50	125
117	95726	3.0	0.50	290	80	<5	<10	0.62	<5	40	50	1575	14.60	<50	0.52	0.72	3730	25	<.01	65	0.13	<5	<50	5	<.01	<50	70	<50	160
118	95727	9.0	0.41	690	60	<5	<10	0.73	<5	35	80	3285	10.20	<50	0.42	0.61	3390	20	0.01	35	0.31	<5	<50	10	<.01	<50	30	<50	45
119	95728	6.0	0.47	290	80	<5	<10	0.69	<5	25	80	1620	10.70	<50	0.49	0.69	3130	15	0.01	25	0.26	<5	<50	<5	<.01	<50	40	<50	45
120	95729	5.0	0.40	310	60	<5	<10	0.67	<5	30	100	1300	9.71	<50	0.28	0.56	2560	35	<.01	40	0.25	5	<50	15	<.01	<50	50	<50	40
121	95730	5.0	0.42	320	80	<5	<10	1.02	<5	25	70	1235	12.90	<50	0.34	0.86	4870	20	<.01	30	0.40	<5	<50	5	<.01	<50	40	<50	105
122	95731	5.0	0.48	370	40	<5	<10	0.88	<5	40	100	1025	13.10	<50	0.29	0.76	5060	20	<.01	40	0.33	<5	<50	<5	<.01	<50	60	<50	85
123	95732	3.0	0.55	100	80	<5	<10	0.77	<5	35	70	915	14.00	<50	0.46	0.82	7710	20	<.01	25	0.24	5	<50	5	0.01	<50	80	<50	175
124	95733	6.0	0.47	540	80	<5	<10	0.64	<5	45	50	1855	14.70	<50	0.41	0.74	3440	30	<.01	35	0.22	15	<50	<5	<.01	<50	80	<50	165
125	95734	8.0	0.53	290	60	<5	<10	1.25	<5	40	80	2035	> 15	<50	0.29	1.00	5670	25	<.01	55	0.48	<5	<50	<5	0.01	<50	90	<50	35
126	95735	11.0	0.46	100	80	<5	<10	0.84	<5	25	60	615	> 15	<50	0.34	1.16	12250	25	<.01	30	0.21	5	<50	<5	0.02	<50	80	<50	380
127	95736	3.0	0.48	<10	80	<5	<10	1.06	<5	15	80	440	13.70	<50	0.35	1.04	7850	35	<.01	30	0.37	5	<50	10	0.01	<50	70	<50	140
128	95737	4.0	0.52	60	60	<5	<10	1.10	10	25	80	975	14.50	<50	0.35	1.19	5350	20	<.01	45	0.37	45	<50	<5	0.01	<50	90	<50	1175
129	95738	2.0	0.49	40	60	<5	<10	0.76	<5	35	80	945	> 15	<50	0.33	1.10	5170	25	<.01	40	0.20	<5	<50	<5	<.01	<50	80	<50	40
130	95739	<1	0.65	10	80	<5	<10	0.81	15	20	100	655	> 15	<50	0.30	1.05	7360	20	<.01	45	0.23	10	<50	10	0.01	<50	120	<50	1490

Et #.	Tag #	Ag	Al %	As	Ba	Be	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	Hg	K%	Mg%	Mn	Mo	Na%	Ni	P%	Pb	Sb	Sr	Ti%	U	V	W	Zn
131	95740	3.0	0.42	380	60	<5	<10	0.61	<5	20	100	1235	9.32	<50	0.39	0.57	2570	15	<.01	25	0.16	<5	<50	10	<.01	<50	30	<50	25
132	95741	3.0	0.38	430	60	<5	<10	0.69	<5	25	80	1260	12.20	<50	0.30	0.61	4110	20	<.01	25	0.21	<5	<50	<5	<.01	<50	40	<50	25
133	95742	8.0	0.42	390	60	<5	<10	0.54	<5	35	80	3475	11.90	<50	0.40	0.67	2990	25	<.01	55	0.19	<5	<50	<5	<.01	<50	60	<50	75
134	95743	5.0	0.47	340	60	<5	<10	0.53	<5	35	70	1950	11.30	<50	0.50	0.70	3220	35	<.01	45	0.13	<5	<50	<5	<.01	<50	70	<50	275
135	95744	5.0	0.39	320	40	<5	<10	0.75	<5	20	80	2125	13.90	<50	0.32	0.67	4180	40	<.01	30	0.24	<5	<50	<5	<.01	<50	60	<50	60
136	95745	3.0	0.42	820	40	<5	<10	1.64	<5	35	80	1180	12.60	<50	0.36	0.95	4630	15	<.01	20	0.72	<5	<50	<5	<.01	<50	20	<50	25
137	95746	<1	0.47	890	60	<5	<10	1.27	<5	30	100	360	12.20	<50	0.33	0.87	3550	30	<.01	45	0.47	<5	<50	<5	<.01	<50	30	<50	15
138	95747	1.0	0.39	310	60	<5	<10	0.57	<5	20	100	610	13.90	<50	0.30	0.86	3820	55	<.01	25	0.13	<5	<50	<5	<.01	<50	60	<50	25
139	95748	3.0	0.43	2900	60	<5	<10	1.64	<5	45	110	940	10.60	<50	0.35	0.72	3810	30	<.01	35	0.76	<5	<50	15	<.01	<50	20	<50	35
140	95749	13.0	0.46	3080	60	<5	<10	0.58	<5	100	40	3915	11.70	<50	0.57	0.67	3920	20	<.01	45	0.18	155	<50	<5	<.01	<50	20	<50	285
141	95750	2.0	0.90	820	100	<5	<10	0.70	<5	40	60	585	8.11	<50	0.46	0.46	2080	20	0.02	25	0.05	70	<50	15	<.01	<50	50	<50	350
142	95751	2.0	0.61	150	80	<5	<10	0.81	<5	30	40	420	7.67	<50	0.50	0.50	2520	15	0.01	25	0.07	35	<50	20	<.01	<50	40	<50	190
143	95752	2.0	0.33	510	100	<5	<10	0.56	<5	25	80	945	15.00	<50	0.26	0.66	3570	90	<.01	60	0.12	<5	<50	15	<.01	<50	120	<50	40
144	95753	2.0	0.48	760	80	<5	<10	1.32	<5	25	70	760	> 15	<50	0.33	0.88	3880	85	<.01	35	0.47	<5	<50	10	<.01	<50	110	<50	35
145	95754	<1	0.36	760	40	<5	<10	0.53	<5	25	80	740	11.40	<50	0.32	0.65	2910	45	<.01	35	0.13	<5	<50	<5	<.01	<50	80	<50	105
146	95755	<1	0.35	1980	80	<5	10	0.74	<5	30	80	125	> 15	<50	0.23	1.01	5020	30	<.01	30	0.08	<5	<50	<5	<.01	<50	100	<50	25
147	95756	<1	0.14	>10000	40	<5	30	0.73	<5	255	130	20	5.44	<50	0.11	0.31	2310	25	<.01	90	0.09	<5	100	5	<.01	<50	10	<50	30
148	95757	<1	0.25	5810	40	<5	<10	2.48	<5	60	170	15	6.01	<50	0.23	0.71	4260	40	0.01	30	0.19	40	<50	10	<.01	<50	20	<50	215
149	95758	2.0	0.62	730	100	<5	<10	0.91	<5	30	80	1090	13.10	<50	0.37	0.71	3850	25	<.01	50	0.24	<5	<50	<5	<.01	<50	200	<50	90
150	95759	1.0	0.18	1340	40	<5	<10	3.14	<5	30	130	115	8.05	<50	0.13	0.93	4520	25	0.01	20	0.22	<5	<50	10	<.01	<50	30	<50	15
151	95760	<1	0.29	1810	60	<5	10	1.69	<5	40	90	90	10.70	<50	0.21	0.66	4410	25	<.01	30	0.39	<5	<50	<5	<.01	<50	40	<50	20
152	95761	1.0	0.23	6550	40	<5	<10	3.06	<5	75	180	655	5.41	<50	0.17	0.78	4480	55	0.01	60	0.22	<5	<50	10	<.01	<50	10	<50	80

Et #.	Tag #	Ag	Al %	As	Ba	Be	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	Hg	K%	Mg%	Mn	Mo	Na%	Ni	P%	Pb	Sb	Sr	Ti%	U	V	W	Zn
QC DATA:																													
Resplit:																													
R/S1	95610	<1	1.62	280	60	<5	<10	0.51	<5	45	70	610	4.39	<50	0.20	0.76	620	10	0.05	20	0.06	<5	<50	20	0.01	<50	90	<50	75
R/S36	95645	<1	1.27	130	40	<5	<10	1.42	<5	25	90	140	4.42	<50	0.07	0.78	540	10	0.05	25	0.08	30	<50	10	0.10	<50	200	<50	120
R/S71	95680	1.0	0.57	290	160	<5	<10	2.12	<5	15	50	825	5.61	<50	0.46	0.81	2030	10	0.01	<5	0.12	20	<50	20	<.01	<50	10	<50	280
R/S106	95715	16.0	0.53	20	80	<5	<10	0.77	<5	30	70	4560	> 15	<50	0.37	1.02	4680	30	<.01	60	0.31	<5	<50	5	0.01	<50	60	<50	80
R/S141	95750	2.0	0.88	860	80	<5	<10	0.69	<5	35	40	615	8.19	<50	0.41	0.47	2130	15	0.02	25	0.06	75	<50	10	0.01	<50	60	<50	365
Repeat:																													
1	95610	<1	1.55	280	60	<5	<10	0.46	<5	50	70	600	4.63	<50	0.20	0.79	610	10	0.05	25	0.06	<5	<50	15	0.02	<50	90	<50	75
23	95632	1.0	0.64	130	60	<5	<10	3.12	<5	20	60	410	4.52	<50	0.22	0.57	1230	25	0.02	25	0.08	25	<50	20	<.01	<50	120	<50	70
45	95654	<1	1.30	70	120	<5	<10	1.76	<5	15	80	105	4.53	<50	0.21	0.80	450	10	0.09	20	0.11	10	<50	25	0.09	<50	140	<50	80
68	95677	2.0	0.34	510	60	<5	<10	0.46	<5	20	120	365	11.30	<50	0.17	0.74	2310	15	<.01	60	0.10	<5	<50	<5	<.01	<50	50	<50	140
90	95699	4.0	0.31	580	80	<5	<10	0.47	<5	25	90	1375	> 15	<50	0.19	1.23	5070	15	<.01	55	0.04	10	<50	10	<.01	<50	70	<50	30
112	95721	3.0	0.52	600	60	<5	<10	0.78	<5	35	90	1560	14.30	<50	0.37	0.93	3120	40	<.01	30	0.22	<5	<50	10	<.01	<50	90	<50	80
135	95744	6.0	0.40	340	60	<5	<10	0.74	<5	25	80	2150	14.10	<50	0.34	0.87	4230	40	<.01	25	0.24	<5	<50	10	<.01	<50	80	<50	40

ECO-TECH LABORATORIES LTD.
per: Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

dlr1007
XLS/95Imperial

13-Oct-95

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 604-573-5700
Fax : 604-573-4557

FEED FAX THIS END

FAX

To: Pat McAndless
Dept.:
Fax No.:
No. of Pages: 10
From: Scott
Date: Oct 13
Company:
Fax No.:
Comments:

IMPERIAL METALS CORPORATION AK 96-036
420-355 BURRARD STREET
VANCOUVER, B.C.
V6C 2G8

ATTENTION: PAT McANDLESS

144 Core samples received Oct. 7, 1995
PROJECT #: Giant Copper
SHIPMENT #: 2
Samples submitted by: Mark Tindall

Values in ppm unless otherwise reported

	Tag #	Ag	Al %	As	Ba	Be	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	Hg	K%	Mg%	Mn	Mo	Na%	Ni	P%	Pb	Sb	Sr	Ti%	U	V	W	Zn
1	95466	35.0	0.41	120	100	5	<10	0.71	<5	20	70	13555	> 15	<50	0.2	0.76	3440	705	<.01	80	0.41	5	<50	15	0.01	<50	50	<50	120
2	95467	27.0	0.35	80	80	<5	<10	0.52	<5	20	60	10735	14.20	<50	0.22	0.76	3100	280	<.01	60	0.29	<5	<50	10	<.01	<50	40	<50	85
3	95468	1.0	0.40	110	60	<5	<10	0.25	<5	10	40	265	8.43	<50	0.42	0.61	1940	35	<.01	10	0.04	<5	<50	10	<.01	<50	10	<50	70
4	95469	50.0	0.39	180	60	<5	<10	0.48	<5	20	60	18530	> 15	<50	0.22	0.90	3210	250	<.01	90	0.37	<5	<50	<5	0.01	<50	50	<50	100
5	95470	4.0	0.35	60	40	<5	<10	0.39	<5	10	50	1695	7.51	<50	0.34	0.49	1720	55	<.01	15	0.13	<5	<50	5	<.01	<50	20	<50	45
6	95471	29.0	0.95	<10	80	<5	<10	0.45	<5	20	60	10650	14.60	<50	0.27	0.98	3440	250	<.01	35	0.28	<5	<50	15	0.01	<50	50	500	100
7	95472	<1	0.48	20	60	<5	<10	0.28	<5	10	50	740	7.99	<50	0.45	0.61	2000	10	<.01	15	0.05	10	<50	5	<.01	<50	30	<50	205
8	95473	17.0	0.53	300	60	<5	<10	0.52	<5	25	70	4725	> 15	<50	0.27	1.07	3580	185	<.01	20	0.17	<5	<50	<5	<.01	<50	40	<50	185
9	95474	9.0	1.28	210	120	<5	<10	0.44	<5	40	80	2420	14.90	<50	0.24	0.84	3540	70	<.01	25	0.14	45	<50	10	<.01	<50	80	<50	315
10	95475	4.0	1.32	140	100	<5	<10	0.54	<5	55	60	1445	14.50	<50	0.23	0.92	3470	65	0.02	40	0.16	70	<50	15	0.01	<50	80	<50	250
11	95476	3.0	0.39	180	120	<5	<10	0.44	5	35	50	725	14.60	<50	0.26	0.78	3420	25	<.01	35	0.09	105	<50	<5	<.01	<50	40	<50	615
12	95477	4.0	0.92	130	100	<5	<10	0.45	<5	55	50	725	> 15	<50	0.18	0.99	3830	45	<.01	55	0.10	165	<50	15	<.01	<50	80	<50	550
13	95478	4.0	0.38	460	100	<5	<10	0.55	<5	25	60	810	> 15	<50	0.2	0.97	4680	25	<.01	50	0.10	<5	<50	20	<.01	<50	50	<50	140
14	95479	2.0	0.31	70	60	<5	<10	0.38	5	50	70	715	> 15	<50	0.15	0.78	3220	40	<.01	60	0.09	35	<50	10	<.01	<50	40	<50	610
15	95480	1.0	1.28	20	60	<5	<10	0.09	10	25	50	545	6.53	<50	0.32	0.78	1720	5	0.02	55	0.05	115	<50	20	0.02	<50	110	<50	1140
16	95481	2.0	0.35	<10	60	<5	<10	0.48	<5	20	60	400	> 15	<50	0.15	1.02	3600	15	<.01	45	0.09	40	<50	5	<.01	<50	50	<50	340
17	95482	3.0	0.34	<10	60	<5	<10	0.46	<5	15	60	440	12.90	<50	0.2	1.07	3140	15	<.01	50	0.09	40	<50	<5	<.01	<50	60	<50	285
18	95483	2.0	0.50	40	60	<5	<10	0.51	15	25	60	555	14.70	<50	0.23	1.30	3540	15	<.01	40	0.11	100	<50	<5	<.01	<50	80	<50	1605
19	95484	3.0	0.61	70	60	<5	<10	0.66	5	25	50	680	13.80	<50	0.28	1.20	3580	15	<.01	45	0.12	145	<50	<5	<.01	<50	70	<50	975
20	95485	2.0	0.95	<10	60	<5	<10	0.70	<5	20	70	395	13.90	<50	0.25	1.35	3780	15	<.01	35	0.10	60	<50	<5	<.01	<50	80	<50	205
21	95486	2.0	2.11	100	80	<5	<10	0.71	<5	45	110	380	> 15	<50	0.21	1.51	3980	15	<.01	55	0.10	100	<50	15	0.01	<50	100	<50	275
22	95487	<1	2.25	20	80	<5	<10	0.90	<5	25	70	145	13.70	<50	0.27	1.50	3930	10	<.01	20	0.11	30	<50	10	0.01	<50	90	<50	190
23	95488	1.0	3.17	120	80	<5	<10	1.77	<5	40	60	430	14.80	<50	0.16	1.71	4980	15	<.01	30	0.10	50	<50	10	0.01	<50	100	<50	130
24	95489	2.0	3.99	120	100	<5	<10	1.84	<5	45	80	445	> 15	<50	0.21	1.75	4210	10	0.06	65	0.12	95	<50	50	0.02	<50	120	<50	215
25	95490	2.0	2.99	50	100	<5	<10	1.60	<5	20	80	875	10.40	<50	0.31	1.34	3500	15	0.03	45	0.11	15	<50	15	0.02	<50	140	<50	135
26	95491	<1	2.79	60	80	<5	<10	2.40	<5	25	80	435	10.90	<50	0.24	1.68	4200	10	<.01	50	0.13	10	<50	5	0.02	<50	110	<50	85
27	95492	<1	2.97	60	80	<5	<10	2.15	<5	30	80	810	11.80	<50	0.16	1.73	3980	15	<.01	40	0.11	10	<50	20	0.01	<50	140	<50	105
28	95493	<1	2.95	40	80	<5	<10	2.15	<5	25	70	285	12.00	<50	0.2	1.79	4270	10	<.01	30	0.12	30	<50	10	0.01	<50	110	<50	115
29	95494	<1	2.58	<10	80	<5	<10	1.32	30	20	70	230	11.50	<50	0.26	1.53	4330	10	<.01	25	0.08	80	<50	<5	0.01	<50	100	<50	3020
30	95495	3.0	3.08	70	80	<5	<10	0.74	20	45	90	745	14.20	<50	0.23	1.52	3990	10	<.01	45	0.10	105	<50	10	0.01	<50	120	<50	1915

IMPERIAL METALS CORPORATION AK 96-036

ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Ag	Al %	As	Ba	Be	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	Hg	K%	Mg%	Mn	Mo	Na%	Ni	P%	Pb	Sb	Sr	Ti%	U	V	W	Zn
31	95498	<1	3.85	<10	80	<5	<10	0.80	25	25	90	230	> 15	<50	0.1	1.92	4860	15	<.01	30	0.11	60	<50	<5	0.02	<50	150	<50	2400
32	95497	<1	2.29	20	80	<5	<10	1.29	<5	35	60	1330	6.00	<50	0.18	0.67	740	15	0.10	35	0.08	30	<50	40	0.05	<50	120	<50	175
33	95498	<1	2.59	40	120	<5	<10	1.02	<5	30	60	510	5.84	<50	0.24	0.99	590	10	0.14	25	0.07	10	<50	50	0.09	<50	150	<50	95
34	95499	<1	1.93	20	60	<5	<10	0.74	<5	35	80	670	6.15	<50	0.14	0.91	480	<5	0.10	40	0.07	10	<50	20	0.08	<50	190	<50	75
35	95500	4.0	0.45	40	80	<5	<10	0.37	5	25	50	980	12.10	<50	0.34	0.78	2950	20	<.01	40	0.07	35	<50	10	<.01	<50	70	<50	770
36	95501	<1	4.49	80	60	<5	20	0.85	<5	30	120	130	> 15	<50	0.23	1.95	5240	15	<.01	65	0.07	90	<50	5	0.02	<50	160	<50	515
37	95502	<1	4.60	50	60	<5	<10	0.43	<5	45	80	200	> 15	<50	0.23	1.84	4730	15	<.01	40	0.05	50	<50	5	0.02	<50	180	<50	385
38	95503	2.0	4.13	<10	60	<5	<10	0.83	<5	25	90	440	> 15	<50	0.21	1.68	4600	15	<.01	35	0.12	45	<50	5	0.02	<50	140	<50	215
39	95504	<1	3.69	60	60	<5	<10	2.39	<5	35	60	715	13.80	<50	0.15	1.54	4280	15	<.01	35	0.12	10	<50	<5	0.02	<50	170	<50	155
40	95505	<1	3.71	70	100	<5	<10	2.09	<5	40	100	985	14.40	<50	0.17	1.57	4290	15	<.01	35	0.14	10	<50	10	0.03	<50	210	<50	170
41	95506	<1	3.12	> <10	80	<5	<10	1.15	<5	20	50	340	12.10	<50	0.24	1.36	3750	10	0.01	25	0.10	<5	<50	20	0.02	<50	100	<50	95
42	95507	<1	1.44	60	60	<5	<10	1.32	<5	20	40	545	5.08	<50	0.91	0.60	1660	10	0.01	25	0.09	35	<50	<5	<.01	<50	50	<50	245
43	95508	<1	1.61	60	40	<5	<10	2.25	<5	25	50	565	3.91	<50	0.33	0.52	1140	10	0.07	25	0.08	20	<50	30	<.01	<50	40	<50	100
44	95509	2.0	1.57	30	60	<5	<10	0.80	<5	30	60	575	11.60	<50	0.32	1.11	3660	15	0.01	35	0.07	50	<50	15	<.01	<50	110	<50	220
45	95510	<1	2.24	40	80	<5	<10	1.91	<5	30	90	215	13.70	<50	0.18	1.59	5230	15	<.01	20	0.05	50	<50	15	0.01	<50	140	<50	400
46	95511	<1	1.43	20	100	<5	<10	2.69	<5	25	50	655	8.41	<50	0.21	0.89	3120	10	<.01	30	0.08	5	<50	25	0.02	<50	160	<50	95
47	95512	1.0	0.72	60	120	<5	<10	2.82	<5	30	50	765	12.20	<50	0.17	1.08	4280	10	<.01	30	0.10	<5	<50	20	0.01	<50	140	<50	150
48	95513	1.0	1.90	10	100	<5	<10	1.87	<5	20	60	235	11.10	<50	0.22	1.33	4450	10	<.01	20	0.05	30	<50	15	0.01	<50	100	<50	135
49	95514	<1	2.00	<10	80	<5	30	0.58	<5	30	80	140	> 15	<50	0.11	1.54	5460	20	<.01	25	0.03	20	<50	<5	0.01	<50	130	<50	120
50	95515	<1	1.52	<10	100	<5	<10	0.58	<5	15	80	155	> 15	<50	0.19	1.31	4980	15	<.01	15	0.03	10	<50	<5	<.01	<50	100	<50	135
51	95516	<1	1.30	<10	100	<5	<10	0.48	<5	30	60	160	> 15	<50	0.28	1.25	4370	15	<.01	35	0.03	15	<50	5	<.01	<50	90	<50	180
52	95517	<1	1.32	<10	80	<5	<10	0.67	<5	20	60	300	13.40	<50	0.28	1.17	4720	10	<.01	25	0.03	10	<50	<5	<.01	<50	70	<50	210
53	95518	<1	1.98	<10	80	<5	<10	0.82	5	30	70	260	> 15	<50	0.22	1.50	5150	15	<.01	35	0.03	20	<50	10	0.01	<50	130	<50	185
54	95519	4.0	2.50	20	80	<5	<10	1.67	10	30	50	630	14.90	<50	0.18	1.63	6970	15	<.01	25	0.07	280	<50	10	0.02	<50	140	<50	1160
55	95520	<1	1.90	50	100	<5	<10	2.67	<5	30	60	545	12.40	<50	0.14	1.89	5980	15	<.01	25	0.05	50	<50	25	0.02	<50	130	<50	115
56	95521	2.0	1.50	10	100	<5	<10	1.31	<5	40	80	570	> 15	<50	0.2	1.70	6340	15	<.01	35	0.04	95	<50	15	0.01	<50	130	<50	535
57	95522	2.0	1.03	10	[illegible]	<5	<10	0.42	15	35	60	570	> 15	<50	0.17	1.52	11470	20	<.01	25	0.02	310	<50	<5	0.02	<50	120	<50	1550
58	95523	1.0	0.60	20	80	<5	<10	0.39	5	25	60	415	14.30	<50	0.26	1.22	7980	20	<.01	25	0.02	55	<50	5	0.01	<50	70	<50	740
59	95524	4.0	0.40	320	80	<5	<10	0.43	<5	25	70	1665	> 15	<50	0.21	1.03	3680	20	<.01	40	0.09	<5	<50	<5	<.01	<50	70	<50	80
60	95525	1.0	0.36	20	60	<5	30	0.34	<5	25	50	160	> 15	<50	0.15	1.04	3990	30	<.01	25	0.03	<5	<50	<5	<.01	<50	70	<50	100
61	95526	3.0	0.42	300	40	<5	<10	0.30	<5	20	40	605	8.53	<50	0.4	0.54	2160	15	<.01	25	0.05	<5	<50	<5	<.01	<50	30	<50	35
62	95527	<1	0.30	490	40	<5	<10	0.27	<5	25	70	355	9.55	<50	0.31	0.66	2840	20	<.01	20	0.02	<5	<50	<5	<.01	<50	20	<50	20
63	95528	20.0	0.42	530	80	<5	<10	0.68	<5	40	50	8565	12.70	<50	0.33	0.78	3340	40	<.01	65	0.27	<5	<50	<5	<.01	<50	40	<50	55
64	95529	6.0	0.59	240	80	<5	<10	0.53	<5	30	30	2955	14.30	<50	0.36	0.83	3210	20	<.01	65	0.18	<5	<50	10	<.01	<50	70	<50	85
65	95530	7.0	0.52	110	60	<5	<10	0.37	<5	35	40	2240	14.30	<50	0.36	0.86	2740	20	<.01	65	0.10	<5	<50	<5	<.01	<50	80	<50	240
66	95531	3.0	0.39	80	40	<5	<10	0.36	<5	20	60	1295	12.90	<50	0.29	0.82	2940	30	<.01	40	0.08	<5	<50	5	<.01	<50	60	<50	85
67	95532	3.0	0.39	30	60	<5	<10	0.40	<5	15	60	1115	12.10	<50	0.31	0.76	2860	45	<.01	30	0.10	<5	<50	10	<.01	<50	60	<50	40
68	95533	3.0	0.47	320	40	<5	<10	0.51	<5	20	30	1390	13.50	<50	0.31	0.84	3370	55	<.01	35	0.14	<5	<50	<5	<.01	<50	50	<50	60
69	95534	13.0	0.44	80	60	<5	<10	0.54	<5	25	70	4055	13.20	<50	0.27	0.78	3330	45	<.01	60	0.21	5	<50	5	<.01	<50	60	<50	120
70	95535	2.0	0.38	240	40	<5	<10	0.39	<5	15	50	970	11.80	<50	0.3	0.78	3580	35	<.01	25	0.07	<5	<50	<5	<.01	<50	50	<50	25

IMPERIAL METALS CORPORATION AK 96-036

ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Ag	Al %	As	Ba	Be	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	Hg	K%	Mg%	Mn	Mo	Na%	Ni	P%	Pb	Sb	Sr	Ti%	U	V	W	Zn
71	95538	5.0	0.48	40	60	<5	<10	0.36	<5	20	60	1925	>15	<50	0.18	0.67	3300	40	<.01	35	0.07	<5	<50	<5	<.01	<50	90	<50	55
72	95537	2.0	0.48	240	40	<5	<10	0.39	<5	25	40	980	8.64	<50	0.48	0.49	2130	20	<.01	30	0.09	<5	<50	5	<.01	<50	30	<50	70
73	95538	3.0	0.56	70	60	<5	<10	0.72	<5	30	30	1765	6.18	<50	0.49	0.44	1760	10	<.01	25	0.08	20	<50	<5	<.01	<50	40	<50	150
74	95539	44.0	0.61	30	60	<5	<10	0.60	<5	25	50	13845	>15	<50	0.2	0.70	3270	25	<.01	60	0.38	<5	<50	10	<.01	<50	100	<50	230
75	95540	54.0	0.54	<10	60	<5	<10	0.39	<5	20	60	14825	14.60	<50	0.2	0.59	3160	20	<.01	65	0.31	<5	<50	10	<.01	<50	80	<50	275
76	95541	37.0	0.62	<10	60	<5	<10	0.49	<5	20	40	12485	>15	<50	0.22	0.73	3460	35	<.01	65	0.30	10	<50	<5	0.01	<50	100	<50	165
77	95542	14.0	0.40	60	60	<5	<10	0.59	<5	30	60	5125	14.20	<50	0.22	0.66	3080	20	<.01	65	0.25	<5	<50	<5	<.01	<50	90	<50	115
78	95543	24.0	0.30	<10	60	<5	<10	0.73	<5	20	60	7280	14.30	<50	0.15	0.69	3460	20	<.01	75	0.34	<5	<50	15	<.01	<50	90	<50	115
79	95544	22.0	0.32	800	60	<5	<10	0.81	<5	20	50	5715	13.80	<50	0.2	0.71	5600	30	<.01	40	0.23	10	<50	10	0.01	<50	100	<50	375
80	95545	40.0	0.27	50	60	<5	<10	0.54	<5	30	50	14500	14.60	<50	0.16	0.57	3370	25	<.01	65	0.33	<5	<50	20	0.01	<50	80	<50	190
81	95546	38.0	0.24	40	60	<5	<10	0.51	<5	25	50	13095	13.60	<50	0.13	0.56	3260	20	<.01	75	0.31	<5	<50	<5	<.01	<50	70	<50	165
82	95547	2.0	0.22	1830	40	<5	<10	1.67	<5	30	70	1150	5.45	<50	0.26	0.63	2720	20	<.01	30	0.17	<5	<50	<5	<.01	<50	20	<50	20
83	95548	1.0	0.31	2120	40	<5	<10	0.84	<5	35	60	820	6.16	<50	0.35	0.45	2210	15	<.01	25	0.08	<5	<50	<5	<.01	<50	10	<50	15
84	95549	<1	0.17	5000	40	<5	<10	1.40	<5	55	100	420	6.05	<50	0.12	0.53	2520	10	<.01	40	0.18	<5	<50	5	<.01	<50	<10	<50	50
85	95550	1.0	0.13	>10000	40	<5	30	1.47	<5	250	80	135	5.63	<50	0.1	0.36	1970	15	<.01	45	0.15	<5	150	<5	<.01	<50	<10	<50	15
86	95551	6.0	0.19	2200	180	<5	<10	0.55	<5	185	30	1585	>15	<50	0.13	0.60	3790	25	<.01	50	0.11	15	<50	30	<.01	<50	60	<50	330
87	95552	8.0	0.33	1280	280	<5	<10	0.53	<5	280	20	1435	>15	<50	0.25	0.71	2980	20	<.01	80	0.15	60	<50	45	<.01	<50	100	<50	665
88	95553	31.0	0.28	8950	140	<5	<10	0.36	<5	600	40	3790	>15	<50	0.24	0.68	2550	80	<.01	75	0.11	140	<50	20	<.01	<50	90	<50	370
89	95554	6.0	1.46	120	60	<5	<10	1.46	<5	45	60	2255	7.57	<50	0.16	0.66	1130	30	0.04	45	0.10	30	<50	20	0.03	<50	160	<50	175
90	95555	3.0	1.33	30	60	<5	<10	2.11	<5	25	40	460	5.12	<50	0.17	0.74	1520	5	0.05	30	0.06	55	<50	30	0.06	<50	120	<50	195
91	95556	<1	1.25	100	60	<5	<10	2.13	<5	20	40	630	3.20	<50	0.11	0.61	880	10	0.06	50	0.12	100	<50	25	0.05	<50	80	<50	455
92	95557	<1	2.89	30	60	<5	<10	3.42	<5	10	50	360	3.27	<50	0.1	0.92	1010	65	0.12	30	0.12	20	<50	70	0.08	<50	130	<50	300
93	95558	<1	3.45	160	500	<5	20	1.84	<5	25	940	140	4.36	<50	2.13	4.74	680	<5	0.03	310	0.04	10	50	20	0.23	<50	110	<50	110
94	95559	<1	3.98	180	200	<5	<10	3.17	<5	10	340	125	2.72	<50	0.55	1.83	750	<5	0.10	90	0.03	35	<50	120	0.10	<50	70	<50	210
95	95560	4.0	2.90	660	60	<5	<10	4.00	<5	25	40	1165	3.83	<50	0.17	0.79	1570	<5	0.12	25	0.13	115	<50	80	0.02	<50	90	<50	375
96	95561	1.0	0.80	50	60	<5	<10	2.61	<5	20	40	705	3.54	<50	0.13	0.52	1240	10	0.09	35	0.10	60	<50	20	0.03	<50	120	<50	370
97	95562	6.0	0.49	360	60	<5	<10	1.81	<5	20	50	1130	4.23	<50	0.22	0.35	1310	15	0.01	20	0.07	100	<50	15	<.01	<50	60	<50	755
98	95563	8.0	0.74	220	60	<5	<10	2.13	<5	25	40	1130	4.40	<50	0.24	0.50	1280	5	0.02	20	0.09	90	<50	10	0.02	<50	70	<50	425
99	95564	17.0	0.80	200	60	<5	<10	1.99	30	25	40	2345	6.29	<50	0.26	0.49	2020	35	0.01	30	0.12	720	<50	10	0.01	<50	110	<50	3185
100	95565	2.0	0.67	390	60	<5	<10	1.66	<5	30	40	575	5.57	<50	0.23	0.53	1390	10	0.01	20	0.09	135	<50	20	<.01	<50	70	<50	770
101	95566	<1	0.91	50	40	<5	<10	2.22	<5	30	50	490	4.37	<50	0.18	0.51	1180	<5	0.02	20	0.10	60	<50	20	0.03	<50	120	<50	355
102	95567	<1	0.93	170	40	<5	<10	2.51	<5	25	50	390	4.13	<50	0.19	0.54	1410	5	0.02	15	0.09	55	<50	10	0.02	<50	120	<50	410
103	95568	<1	0.77	90	40	<5	<10	1.83	<5	25	40	570	3.73	<50	0.11	0.44	880	<5	0.02	15	0.10	20	<50	15	0.01	<50	80	<50	115
104	95569	1.0	1.13	280	60	<5	<10	2.05	<5	35	50	635	5.74	<50	0.16	0.62	980	10	0.09	20	0.10	30	<50	10	0.02	<50	140	<50	275
105	95570	2.0	0.97	1430	60	<5	<10	2.31	<5	50	80	1000	5.31	<50	0.2	0.48	1220	15	0.03	50	0.11	60	<50	15	0.01	<50	100	<50	715
106	95571	<1	1.33	60	60	<5	<10	1.50	<5	10	50	140	1.85	<50	0.04	0.42	220	<5	0.13	20	0.13	15	<50	50	0.03	<50	20	<50	85
107	95572	<1	2.46	40	100	<5	<10	2.25	<5	15	60	200	2.48	<50	0.06	0.42	250	10	0.24	35	0.13	15	<50	110	0.04	<50	20	<50	50
108	95573	<1	0.32	2780	360	<5	<10	1.74	<5	35	40	215	4.09	<50	0.16	0.56	1170	10	<.01	15	0.06	40	<50	15	<.01	<50	30	<50	630
109	95574	<1	0.69	970	80	<5	<10	2.34	<5	35	40	415	6.46	<50	0.2	0.67	2140	25	0.02	30	0.14	20	<50	30	<.01	<50	40	<50	190
110	95575	<1	0.35	950	40	<5	<10	1.99	<5	20	20	150	4.34	<50	0.12	0.74	1130	5	<.01	10	0.05	45	<50	20	<.01	<50	40	<50	285

IMPERIAL METALS CORPORATION AK 96-636

ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Ag	Al %	As	Ba	Be	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	Hg	K%	Mg%	Mn	Mo	Na%	Ni	P%	Pb	Sb	Sr	Ti%	U	V	W	Zn
111	95576	2.0	0.31	460	60	<5	<10	2.19	<5	25	50	330	6.57	<50	0.24	1.03	1510	<5	<.01	<5	0.08	170	<50	20	<.01	<50	20	<50	1110
112	95577	2.0	0.47	360	60	<5	<10	2.18	<5	30	40	460	4.23	<50	0.18	0.73	940	10	<.01	20	0.09	100	<50	15	<.01	<50	70	<50	510
113	95578	2.0	0.46	3970	40	<5	<10	2.66	<5	35	30	455	5.84	<50	0.21	1.03	1300	10	<.01	25	0.05	86	<50	25	<.01	<50	70	<50	510
114	95579	<1	0.38	690	40	<5	<10	2.09	<5	30	40	345	4.31	<50	0.11	0.76	930	10	<.01	30	0.05	70	<50	15	<.01	<50	80	<50	335
115	95580	<1	1.40	5160	60	<5	<10	1.21	<5	30	60	130	5.24	<50	0.24	0.73	1310	10	0.03	15	0.08	140	<50	15	<.01	<50	60	<50	605
116	95581	<1	3.32	80	80	<5	<10	2.69	<5	15	70	155	2.58	<50	0.08	0.55	410	<5	0.25	70	0.08	50	<50	125	0.03	<50	30	<50	220
117	95582	<1	1.08	1450	60	<5	<10	1.86	<5	35	70	370	5.34	<50	0.1	0.64	710	10	0.06	30	0.12	65	<50	30	0.03	<50	120	<50	270
118	95583	<1	0.74	480	100	<5	<10	4.47	<5	20	120	135	7.26	<50	0.15	1.29	2250	<5	0.04	25	0.12	20	<50	50	<.01	<50	150	<50	205
119	95584	<1	1.42	630	100	<5	<10	2.83	<5	15	70	130	4.08	<50	0.13	0.95	1050	<5	0.10	15	0.07	50	<50	50	0.02	<50	60	<50	190
120	95585	<1	2.85	340	60	<5	<10	2.74	<5	20	50	275	3.77	<50	0.04	0.34	780	<5	0.24	45	0.12	35	<50	125	0.02	<50	50	<50	205
121	95586	<1	2.69	20	80	<5	<10	2.53	<5	20	60	310	2.80	<50	0.03	0.26	260	<5	0.25	40	0.14	25	<50	150	0.04	<50	20	<50	80
122	95587	<1	1.01	2820	40	<5	<10	1.14	<5	30	60	235	4.24	<50	0.14	0.50	780	5	0.05	25	0.09	55	<50	15	<.01	<50	110	<50	455
123	95588	<1	1.77	280	40	<5	<10	1.23	<5	30	70	275	5.38	<50	0.19	0.70	1210	10	0.06	20	0.09	40	<50	25	0.02	<50	80	<50	365
124	95589	<1	1.70	130	40	<5	<10	1.42	<5	25	60	220	3.61	<50	0.08	0.69	490	<5	0.13	15	0.06	20	<50	45	0.02	<50	50	<50	125
125	95590	<1	1.39	160	40	<5	<10	1.38	<5	20	60	205	2.91	<50	0.04	0.66	390	<5	0.09	10	0.06	20	<50	40	0.02	<50	50	<50	75
126	95591	<1	1.13	250	60	<5	<10	1.20	<5	35	60	260	4.27	<50	0.05	0.66	420	10	0.06	30	0.08	20	<50	30	0.01	<50	160	<50	110
127	95592	<1	1.73	210	80	<5	<10	1.68	<5	30	50	235	3.54	<50	0.08	0.54	420	10	0.12	25	0.09	25	<50	80	0.02	<50	120	<50	95
128	95593	<1	1.99	240	60	<5	<10	2.35	<5	35	80	210	3.03	<50	0.04	0.47	400	5	0.16	50	0.09	20	<50	85	0.01	<50	100	<50	70
129	95594	<1	1.80	60	60	<5	<10	0.74	5	20	50	405	3.89	<50	0.05	0.61	300	10	0.11	20	0.12	10	<50	35	0.04	<50	100	<50	75
130	95595	<1	1.52	80	40	<5	<10	0.17	<5	10	50	145	3.60	<50	0.11	0.61	230	5	0.04	10	0.04	15	<50	20	0.02	<50	100	<50	40
131	95596	<1	1.81	170	60	<5	<10	0.31	<5	15	50	410	4.28	<50	0.16	0.61	330	10	0.05	10	0.11	15	<50	15	0.02	<50	90	<50	50
132	95597	<1	1.58	210	40	<5	<10	0.34	20	25	60	260	3.83	<50	0.16	0.67	320	10	0.04	20	0.11	15	<50	10	0.01	<50	80	<50	125
133	95598	<1	1.96	110	60	<5	<10	0.44	<5	20	60	200	4.51	<50	0.09	0.80	370	15	0.06	25	0.09	20	<50	30	0.03	<50	160	<50	100
134	95599	<1	2.58	70	180	<5	<10	0.67	<5	20	80	125	5.28	<50	0.4	1.05	530	<5	0.13	20	0.09	20	<50	60	0.09	<50	150	<50	125
135	95600	<1	2.18	110	60	<5	<10	0.69	<5	15	50	130	4.44	<50	0.09	0.75	440	5	0.12	15	0.09	15	<50	40	0.09	<50	120	<50	145
136	95601	<1	1.79	80	40	<5	<10	0.39	<5	10	50	230	3.65	<50	0.07	0.55	280	10	0.06	15	0.06	15	<50	35	0.02	<50	120	<50	85
137	95602	<1	1.40	170	80	<5	<10	0.21	<5	15	40	230	4.28	<50	0.12	0.34	300	10	0.05	15	0.05	20	<50	20	<.01	<50	120	<50	70
138	95603	<1	1.81	120	100	<5	<10	0.50	65	15	50	265	3.45	<50	0.13	0.56	360	10	0.07	35	0.11	20	<50	25	0.02	<50	110	<50	130
139	95604	<1	1.92	100	80	<5	<10	0.98	<5	20	40	230	5.31	<50	0.21	0.52	820	10	0.11	25	0.12	45	<50	50	0.03	<50	100	<50	285
140	95605	<1	1.85	750	40	<5	<10	0.80	<5	115	60	540	4.98	<50	0.16	0.60	520	10	0.10	30	0.09	40	<50	35	0.02	<50	120	<50	175
141	95606	8.0	8.79	220	60	<5	<10	3.42	<5	20	80	245	4.02	<50	0.13	0.76	380	20	0.16	35	0.09	695	<50	65	0.02	<50	100	<50	630
142	95607	<1	2.70	120	80	<5	<10	1.41	15	30	60	235	6.14	<50	0.09	0.72	440	15	0.19	25	0.16	30	<50	60	0.03	<50	100	<50	130
143	95608	<1	1.98	170	80	<5	<10	1.31	10	35	60	350	4.01	<50	0.19	0.58	640	10	0.10	20	0.08	80	<50	40	0.02	<50	70	<50	300
144	95609	<1	1.76	160	40	<5	<10	0.91	<5	35	70	530	3.39	<50	0.11	0.71	550	10	0.09	20	0.09	25	<50	30	0.02	<50	80	<50	155

95-6

95-7

Et #.	Tag #	Ag	Al %	As	Ba	Be	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	Hg	K%	Mg%	Mn	Mo	Na%	Ni	P%	Pb	Sb	Sr	Ti%	U	V	W	Zn
QC/DATA:																													
Resplit:																													
RS1	95469	37.0	0.41	100	90	<5	<10	0.78	<5	20	60	14315	> 15	<50	0.2	0.78	3850	715	<.01	80	0.44	<5	<50	10	0.01	<50	50	<50	120
RS36	95501	<1	4.28	40	60	<5	10	0.55	5	25	110	140	> 15	<50	0.23	1.83	4760	25	<.01	65	0.06	95	<50	5	0.02	<50	160	<50	515
RS71	95538	4.0	0.55	50	60	<5	<10	0.35	<5	15	80	1925	> 15	<50	0.21	0.65	3220	40	<.01	30	0.08	<5	<50	<5	<.01	<50	90	<50	55
RS106	95571	<1	1.49	80	60	<5	<10	1.65	<5	10	50	150	1.99	<50	0.05	0.46	240	<5	0.16	25	0.13	20	<50	55	0.03	<50	30	<50	75
Repeat:																													
1	95469	38.0	0.44	120	60	<5	<10	0.77	<5	20	70	14025	> 15	<50	0.17	0.82	3540	735	<.01	85	0.45	<5	<50	10	0.01	<50	50	<50	130
36	95508	<1	3.88	10	40	<5	<10	0.78	<5	25	80	415	14.80	<50	0.2	1.57	4310	10	<.01	35	0.12	45	<50	10	0.02	<50	140	<50	200
76	95541	40.0	0.63	10	80	<5	<10	0.53	<5	20	50	12895	> 15	<50	0.22	0.76	3650	35	<.01	60	0.31	<5	<50	5	0.01	<50	100	<50	150
114	95579	<1	0.48	760	40	<5	<10	2.24	<5	30	50	360	4.63	<50	0.14	0.62	1000	10	<.01	35	0.06	70	<50	25	<.01	<50	90	<50	360

d/936
XLS/95imperial

ECO-TECH LABORATORIES LTD.
Per: Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

29-Sep-95

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 604-573-5700
Fax : 604-573-4557

IMPERIAL METALS CORPORATION AK 95-678
420-355 BURRARD STREET
VANCOUVER, B.C.
V6C 2G8

14 ROCK samples received Sept 27, 1995
PROJECT #:Giant Copper

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Be	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	Hg	K%	Mg%	Mn	Mo	Na%	Ni	P%	Pb	Sb	Sr	Ti%	U	V	W	Zn
1	96951	9.0	0.54	340	60	<5	<10	0.06	<5	25	50	4405	13.80	<50	0.25	0.02	3060	15	<.01	30	0.15	345	<50	10	<.01	<50	40	<50	605
2	96952	16.0	0.57	970	60	<5	<10	0.06	<5	30	50	5675	> 15	<50	0.11	<.01	2490	20	<.01	50	0.16	225	<50	<5	<.01	<50	60	<50	805
3	96953	14.0	0.53	960	60	<5	<10	0.05	<5	35	60	5080	> 15	<50	0.22	<.01	2560	25	<.01	45	0.14	10	<50	10	<.01	<50	40	<50	655
4	96954	11.0	2.28	110	60	<5	<10	0.13	<5	40	40	2335	> 15	<50	0.22	0.42	1910	330	<.01	40	0.14	45	<50	<5	<.01	<50	140	<50	680
5	96955	20.0	4.56	10	60	<5	<10	0.17	5	35	60	4400	> 15	<50	0.13	1.23	3380	30	0.01	35	0.14	85	<50	10	0.02	<50	230	<50	435
6	96956	22.0	0.96	240	60	<5	<10	0.07	<5	25	70	4730	14.30	<50	0.15	0.10	2500	15	0.01	40	0.13	10	<50	5	<.01	<50	60	<50	185
7	96957	5.0	0.43	1890	60	<5	<10	0.06	<5	30	80	1945	12.20	<50	0.15	<.01	2440	15	0.01	35	0.10	<5	<50	<5	<.01	<50	30	<50	145
8	96958	7.0	0.29	140	20	<5	<10	0.11	<5	20	100	3190	8.05	<50	0.10	<.01	670	150	0.01	45	0.17	10	<50	5	<.01	<50	10	<50	205
9	96959	24.0	1.15	190	60	<5	<10	0.06	<5	20	160	1815	13.90	<50	0.11	0.19	2130	25	<.01	60	0.11	80	<50	5	<.01	<50	70	<50	395
10	96960	7.0	0.31	250	40	<5	<10	0.03	<5	10	80	1270	7.46	<50	0.12	<.01	810	10	<.01	30	0.07	<5	<50	<5	<.01	<50	20	<50	110
11	96961	8.0	0.33	2170	40	<5	<10	0.06	<5	25	50	2935	6.78	<50	0.29	<.01	1690	205	0.01	10	0.09	15	<50	10	<.01	50	20	<50	110
12	96962	88.0	0.26	2790	40	<5	<10	0.14	<5	25	50	19435	8.34	<50	0.20	<.01	1030	110	0.01	20	0.36	30	<50	<5	<.01	100	<10	<50	265
13	96963	110.0	0.31	5850	40	<5	<10	0.06	<5	15	70	12025	9.31	<50	0.26	<.01	230	25	<.01	15	0.29	40	<50	<5	<.01	<50	10	<50	270
14	96964	26.0	0.05	530	60	<5	<10	0.05	<5	5	30	2645	8.73	<50	0.36	0.07	100	20	<.01	10	0.11	45	<50	5	0.01	<50	30	<50	140
QC/DATA:																													
Resplit #:																													
R/S1	96951	10.0	0.54	310	40	<5	<10	0.09	<5	20	60	4830	13.30	<50	0.27	0.03	3120	15	<.01	30	0.15	370	<50	<5	<.01	<50	40	<50	580
Repeat:																													
1	96951	9.0	0.46	350	60	<5	<10	0.06	<5	20	40	4225	13.10	<50	0.24	0.02	2940	15	<.01	30	0.15	325	<50	10	<.01	<50	40	<50	580

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

d/677a
XLS/95Imperial

13-Oct-95

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 604-573-5700
Fax : 604-573-4557

IMPERIAL METALS CORPORATION AK 95-637
420-355 BURRARD STREET
VANCOUVER, B.C.
V6C 2G8

ATTENTION: PAT McANDLESS

28 Rock samples received Oct. 7, 1995
PROJECT #: Giant Copper
SHIPMENT #: 2
Samples submitted by: Mark Tindall

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Be	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	Hg	K%	Mg%	Mn	Mo	Na%	Ni	P%	Pb	Sb	Sr	Ti%	U	V	W	Zn
1	96965	3.0	1.05	140	80	<5	<10	0.08	<5	45	40	1285	4.31	<50	0.30	0.26	1120	45	0.02	15	0.05	35	<50	15	<.01	<50	60	<50	400
2	96966	1.0	0.25	310	60	<5	<10	0.04	15	15	110	1105	6.35	<50	0.14	<.01	1190	10	<.01	30	0.04	<5	<50	15	<.01	<50	<10	<50	75
3	96967	4.0	0.25	370	40	<5	<10	0.04	<5	15	70	1735	9.66	<50	0.07	<.01	1740	10	<.01	35	0.04	<5	<50	<5	<.01	<50	30	<50	95
4	96968	10.0	0.92	450	60	<5	<10	0.07	<5	40	50	4590	12.10	<50	0.14	0.06	800	15	<.01	55	0.14	125	<50	<5	<.01	<50	40	<50	445
5	96969	30.0	0.83	570	80	<5	<10	0.14	<5	25	30	6315	14.60	<50	0.23	0.05	1640	25	<.01	45	0.18	130	<50	5	<.01	<50	50	<50	440
6	96970	6.0	1.76	70	60	<5	<10	0.22	<5	20	50	3195	5.73	<50	0.29	0.64	3700	50	0.02	35	0.06	25	<50	10	0.02	<50	130	<50	300
7	96971	<1	1.09	60	60	<5	<10	0.53	<5	15	100	680	1.78	<50	0.07	0.52	310	<5	0.06	50	0.13	15	<50	30	0.05	<50	30	<50	75
8	96972	8.0	2.65	260	80	<5	<10	0.25	<5	40	40	2605	8.80	<50	0.21	0.86	4020	115	0.02	30	0.09	110	<50	10	0.02	<50	90	<50	345
9	96973	59.0	2.36	3980	80	<5	<10	0.09	<5	40	110	5350	14.10	<50	0.20	0.67	2430	810	<.01	25	0.10	840	50	<5	<.01	200	80	<50	810
10	96974	31.0	3.00	670	80	<5	<10	0.14	<5	40	100	5435	14.60	<50	0.21	0.84	4070	790	<.01	30	0.12	430	<50	<5	0.01	<50	130	<50	580
11	96975	10.0	2.77	200	60	<5	<10	0.12	<5	30	50	4025	12.00	<50	0.27	0.65	6380	810	<.01	25	0.11	115	<50	5	0.01	<50	130	<50	185
12	96976	10.0	3.30	290	80	<5	<10	0.09	<5	35	50	5070	12.90	<50	0.24	0.89	6690	770	<.01	30	0.11	40	<50	10	0.02	<50	170	<50	205
13	96977	6.0	1.33	240	80	<5	<10	0.27	<5	25	40	2980	11.70	<50	0.28	0.77	2730	75	<.01	30	0.10	25	<50	15	<.01	<50	120	<50	310
14	96978	56.0	1.34	70	60	<5	<10	0.20	<5	40	30	>20000	> 15	<50	0.18	0.60	2940	75	<.01	35	0.25	15	<50	10	0.01	<50	110	50	275
15	96979	50.0	1.26	50	60	<5	<10	0.14	5	30	40	9560	9.87	<50	0.26	0.37	1940	70	<.01	25	0.16	125	<50	<5	0.01	<50	100	1450	415
16	96980	22.0	3.66	20	80	<5	<10	0.07	<5	20	170	3095	> 15	<50	0.16	1.01	2200	15	<.01	25	0.11	75	<50	10	0.01	<50	140	<50	215
17	96981	9.0	3.06	70	100	<5	<10	0.07	<5	20	110	1795	> 15	<50	0.20	0.74	2720	15	<.01	65	0.08	160	<50	20	0.01	<50	120	<50	260
18	96982	12.0	3.08	60	180	<5	<10	0.32	<5	25	70	3560	12.80	<50	0.33	1.27	2610	160	0.03	35	0.13	30	<50	10	0.06	<50	120	<50	160
19	96983	6.0	1.66	40	80	<5	<10	0.24	<5	20	40	1730	10.60	<50	0.25	0.77	3520	25	0.02	30	0.06	30	<50	15	0.02	<50	110	<50	180
20	96984	2.0	1.91	10	40	<5	<10	0.31	10	25	40	3795	4.35	<50	0.14	0.80	1640	160	0.04	20	0.13	25	<50	<5	0.06	<50	150	<50	210
21	96985	15.0	2.06	20	80	<5	<10	0.30	10	30	40	5745	10.60	<50	0.20	0.87	3220	895	<.01	25	0.16	225	<50	10	0.01	150	130	<50	1110
22	96986	12.0	1.04	1090	80	<5	<10	0.46	<5	25	30	6550	13.10	<50	0.27	0.62	3720	835	<.01	35	0.25	5	<50	10	<.01	<50	90	<50	200
23	96987	51.0	0.43	250	80	<5	<10	0.07	<5	20	30	5840	12.10	<50	0.26	<.01	1280	15	<.01	50	0.17	380	<50	15	<.01	<50	40	<50	600
24	96988	90.0	0.60	100	100	<5	<10	0.02	<5	25	30	7160	> 15	<50	0.24	<.01	570	25	<.01	50	0.16	310	<50	15	<.01	<50	40	<50	735
25	96989	2.0	0.41	210	60	<5	<10	0.20	<5	25	50	1310	7.86	<50	0.29	0.17	1970	55	<.01	30	0.10	10	<50	5	<.01	<50	50	<50	125

Et #.	Tag #	Ag	Al %	As	Ba	Be	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	Hg	K%	Mg%	Mn	Mo	Na%	Ni	P%	Pb	Sb	Sr	Ti%	U	V	W	Zn
26	96990	8.0	0.83	1970	60	<5	<10	0.11	<5	40	130	3220	11.60	<50	0.22	0.18	2870	170	<.01	40	0.10	5	<50	<5	<.01	<50	60	<50	230
27	96991	2.0	0.38	9960	40	<5	<10	0.27	<5	125	40	870	12.10	<50	0.25	0.26	4250	105	<.01	40	0.10	<5	<50	<5	<.01	<50	60	<50	60
28	96992	39.0	0.95	160	100	<5	<10	0.09	5	25	60	11365	> 15	<50	0.19	0.17	5450	50	<.01	45	0.17	15	<50	<5	0.01	<50	60	<50	185
QC/DATA:																													
Resplit:																													
R/81	96965	2.4	1.10	150	80	<5	<10	0.08	<5	50	40	1375	4.41	<50	0.33	0.26	1170	40	0.02	20	0.05	25	<50	15	0.02	<50	70	<50	375
Repeat:																													
1	96965	2.6	1.12	150	70	<5	<10	0.11	<5	45	40	1320	4.33	<50	0.30	0.29	1120	45	0.03	20	0.06	30	<50	10	<.01	<50	60	<50	320

ECO-TECH LABORATORIES LTD.
per Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

d9937
XLS/95Imperial

IMPERIAL METALS CORPORATION AK 95-1007

ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Ag	Al %	As	Ba	Be	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	Hg	K%	Mg%	Mn	Mo	Na%	Ni	P%	Pb	Sb	Sr	Ti%	U	V	W	Zn
QC DATA:																													
Resplit:																													
R/81	95610	<1	1.62	280	60	<5	<10	0.51	<5	45	70	610	4.39	<50	0.20	0.76	620	10	0.05	20	0.06	<5	<50	20	0.01	<50	90	<50	7
R/836	95645	<1	1.27	130	40	<5	<10	1.42	<5	25	90	140	4.42	<50	0.07	0.78	540	10	0.05	25	0.08	30	<50	10	0.10	<50	200	<50	12
R/871	95680	1.0	0.57	290	160	<5	<10	2.12	<5	15	50	825	5.61	<50	0.46	0.61	2030	10	0.01	<5	0.12	20	<50	20	<.01	<50	10	<50	28
R/S106	95715	16.0	0.53	20	80	<5	<10	0.77	<5	30	70	4560	> 15	<50	0.37	1.02	4680	30	<.01	60	0.31	<5	<50	5	0.01	<50	60	<50	8
R/S141	95750	2.0	0.88	660	80	<5	<10	0.69	<5	35	40	615	8.19	<50	0.41	0.47	2130	15	0.02	25	0.05	75	<50	10	0.01	<50	60	<50	36
Repeat:																													
1	95610	<1	1.55	280	60	<5	<10	0.46	<5	50	70	600	4.63	<50	0.20	0.79	610	10	0.05	25	0.08	<5	<50	15	0.02	<50	90	<50	7
28	95632	1.0	0.64	130	60	<5	<10	3.12	<5	20	80	410	4.52	<50	0.22	0.57	1230	25	0.02	25	0.08	25	<50	20	<.01	<50	120	<50	7
45	95654	<1	1.30	70	120	<5	<10	1.76	<5	15	80	105	4.53	<50	0.21	0.80	450	10	0.09	20	0.11	10	<50	25	0.09	<50	140	<50	8
68	95677	2.0	0.34	510	80	<5	<10	0.46	<5	20	120	355	11.30	<50	0.17	0.74	2310	15	<.01	60	0.10	<5	<50	<5	<.01	<50	50	<50	14
90	95699	4.0	0.31	580	80	<5	<10	0.47	<5	25	90	1375	> 15	<50	0.19	1.23	5070	15	<.01	55	0.04	10	<50	10	<.01	<50	70	<50	3
112	95721	3.0	0.52	600	60	<5	<10	0.76	<5	35	90	1580	14.30	<50	0.37	0.93	3120	40	<.01	30	0.22	<5	<50	10	<.01	<50	90	<50	8
135	95744	6.0	0.40	340	60	<5	<10	0.74	<5	25	80	2150	14.10	<50	0.34	0.87	4230	40	<.01	25	0.24	<5	<50	10	<.01	<50	60	<50	4

ECO-TECH LABORATORIES LTD.
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B.C. Certified Assayer

df/1007
XLS/95Imperial

PERMAL METALS CORPORATION AK 95-1007

ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Ag	Al %	As	Ba	Be	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	Hg	K%	Mg%	Mn	Mo	Na%	Ni	P%	Pb	Sb	Sr	Ti%	U	V	W	Zn
131	95740	3.0	0.42	380	60	<5	<10	0.51	<5	20	100	1235	9.32	<50	0.39	0.57	2570	15	<.01	25	0.16	<5	<50	10	<.01	<50	30	<50	25
132	95741	3.0	0.38	430	60	<5	<10	0.69	<5	25	80	1260	12.20	<50	0.30	0.81	4110	20	<.01	25	0.21	<5	<50	<5	<.01	<50	40	<50	25
133	95742	8.0	0.42	360	80	<5	<10	0.54	<5	35	80	3475	11.80	<50	0.40	0.67	2990	25	<.01	55	0.19	<5	<50	<5	<.01	<50	60	<50	75
134	95743	5.0	0.47	340	60	<5	<10	0.53	<5	35	70	1950	11.30	<50	0.50	0.70	3220	35	<.01	45	0.13	<5	<50	<5	<.01	<50	70	<50	275
135	95744	5.0	0.39	320	40	<5	<10	0.75	<5	20	80	2125	13.90	<50	0.32	0.87	4180	40	<.01	30	0.24	<5	<50	<5	<.01	<50	60	<50	60
136	95745	3.0	0.42	620	40	<5	<10	1.64	<5	35	80	1180	12.60	<50	0.36	0.96	4630	15	<.01	20	0.72	<5	<50	<5	<.01	<50	20	<50	25
137	95746	<1	0.47	890	60	<5	<10	1.27	<5	30	100	380	12.20	<50	0.33	0.87	3550	30	<.01	45	0.47	<5	<50	<5	<.01	<50	30	<50	15
138	95747	1.0	0.39	310	60	<5	<10	0.57	<5	20	100	610	13.90	<50	0.30	0.86	3820	55	<.01	25	0.13	<5	<50	<5	<.01	<50	60	<50	25
139	95748	3.0	0.43	2560	60	<5	<10	1.84	<5	45	110	940	10.60	<50	0.35	0.72	3810	30	<.01	35	0.75	<5	<50	15	<.01	<50	20	<50	35
140	95749	13.0	0.46	3080	60	<5	<10	0.58	<5	100	40	3915	11.70	<50	0.57	0.67	3920	20	<.01	45	0.18	155	<50	<5	<.01	<50	20	<50	285
141	95750	2.0	0.90	620	100	<5	<10	0.70	<5	40	60	585	8.11	<50	0.46	0.46	2080	20	0.02	25	0.05	70	<50	15	<.01	<50	50	<50	350
142	95751	2.0	0.61	150	80	<5	<10	0.81	<5	30	40	420	7.67	<50	0.50	0.50	2520	15	0.01	25	0.07	35	<50	20	<.01	<50	40	<50	180
143	95752	2.0	0.33	510	100	<5	<10	0.56	<5	25	80	945	15.00	<50	0.26	0.86	3570	80	<.01	60	0.12	<5	<50	15	<.01	<50	120	<50	40
144	95753	2.0	0.48	760	80	<5	<10	1.32	<5	25	70	760	> 15	<50	0.33	0.88	3980	85	<.01	35	0.47	<5	<50	10	<.01	<50	110	<50	35
145	95754	<1	0.36	760	40	<5	<10	0.53	<5	25	80	740	11.40	<50	0.32	0.66	2910	45	<.01	35	0.13	<5	<50	<5	<.01	<50	80	<50	105
146	95755	<1	0.35	1980	80	<5	10	0.74	<5	30	80	125	> 15	<50	0.23	1.01	5020	30	<.01	30	0.08	<5	<50	<5	<.01	<50	100	<50	25
147	95756	<1	0.14	>10000	40	<5	30	0.73	<5	255	130	20	5.44	<50	0.11	0.31	2310	25	<.01	90	0.09	<5	100	5	<.01	<50	10	<50	30
148	95757	<1	0.28	5610	40	<5	<10	2.48	<5	60	170	15	6.01	<50	0.23	0.71	4260	40	0.01	30	0.19	40	<50	10	<.01	<50	20	<50	215
149	95758	2.0	0.82	730	100	<5	<10	0.91	<5	30	80	1090	13.10	<50	0.37	0.71	3950	25	<.01	50	0.24	<5	<50	<5	<.01	<50	200	<50	90
150	95759	1.0	0.18	1340	40	<5	<10	3.14	<5	30	130	115	8.05	<50	0.13	0.93	4520	25	0.01	20	0.22	<5	<50	10	<.01	<50	30	<50	15
151	95760	<1	0.29	1610	60	<5	10	4.89	<5	40	90	90	10.70	<50	0.21	0.66	4410	25	<.01	30	0.39	<5	<50	<5	<.01	<50	40	<50	20
152	95761	1.0	0.23	6550	40	<5	<10	3.08	<5	75	180	655	5.41	<50	0.17	0.78	4480	55	0.01	60	0.22	<5	<50	10	<.01	<50	10	<50	80

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Fax (604) 573-4557

95-3

CERTIFICATE OF ASSAY AK 95-877

IMPERIAL METALS CORPORATION
420-355 BURRARD STREET
VANCOUVER, B.C.
V6C 2G8

29-Sep-95

ATTENTION: PAT McANDLESS

221 Core samples received Sept. 27, 1995
PROJECT #: Giant Copper
SHIPMENT #: 1
Samples submitted by; Mark Tindall

ET #.	Tag #	Au (g/t)	Au (oz/t)
1	95245	0.03	0.001
2	95246	<.03	<.001
3	95247	<.03	<.001
4	95248	<.03	<.001
5	95249	0.07	0.002
6	95250	0.03	0.001
7	95251	0.10	0.003
8	95252	0.05	0.001
9	95253	<.03	<.001
10	95254	<.03	<.001
11	95255	<.03	<.001
12	95256	<.03	<.001
13	95257	<.03	<.001
14	95258	<.03	<.001
15	95259	<.03	<.001
16	95260	<.03	<.001
17	95261	<.03	<.001
18	95262	<.03	<.001
19	95263	<.03	<.001
20	95264	<.03	<.001
21	95265	<.03	<.001
22	95266	0.03	0.001
23	95267	<.03	<.001
24	95268	0.03	0.001
25	95269	0.04	0.001
26	95270	<.03	<.001

per Frank J. Pezzotti, A.Sc.T. B.C.Certified Assayer

95-3

IMPERIAL METALS CORPORATION AK 95-677 29-Sep-95

ET #.	Tag #	Au (g/t)	Au (oz/t)
27	95271	<.03	<.001
28	95272	0.09	0.003
29	95273	<.03	<.001
30	95274	<.03	<.001
31	95275	0.05	0.001
32	95276	<.03	<.001
33	95277	<.03	<.001
34	95278	0.23	0.007
35	95279	0.05	0.001
36	95280	<.03	<.001
37	95281	<.03	<.001
38	95282	<.03	<.001
39	95283	0.06	0.002
40	95284	0.30	0.009
41	95285	<.03	<.001
42	95286	0.05	0.001
43	95287	0.03	0.001
44	95288	<.03	<.001
45	95289	<.03	<.001
46	95290	<.03	<.001
47	95291	<.03	<.001
48	95292	0.03	0.001
49	95293	<.03	<.001
50	95294	<.03	<.001
51	95295	<.03	<.001
52	95296	<.03	<.001
53	95297	0.06	0.002
54	95298	0.05	0.001
55	95299	<.03	<.001
56	95300	<.03	<.001
57	95301	<.03	<.001
58	95302	<.03	<.001
59	95303	0.49	0.014
60	95304	0.85	0.025
61	95305	0.86	0.025
62	95306	0.10	0.003
63	95307	1.37	0.040
64	95308	<.03	<.001
65	95309	<.03	<.001
66	95310	<.03	<.001
67	95311	<.03	<.001
68	95312	<.03	<.001
69	95313	<.03	<.001
70	95314	<.03	<.001
71	95315	0.07	0.002
72	95316	<.03	<.001

per Frank J. Pezzotti, A.Sc.T. B.C.Certified Assayer

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95-3 / 95-4

IMPERIAL METALS CORPORATION AK 95-877 **29-Sep-95**

ET #.	Tag #	Au (g/t)	Au (oz/t)
73	95317	<.03	<.001
74	95318	<.03	<.001
75	95319	<.03	<.001
76	95320	<.03	<.001
77	95321	<.03	<.001
78	95322	<.03	<.001
79	95323	<.03	<.001
80	95324	<.03	<.001
81	95325	0.55	0.016
82	95326	<.03	<.001
83	95327	<.03	<.001
84	95328	<.03	<.001
85	95329	<.03	<.001
86	95330	<.03	<.001
87	95331	<.03	<.001
88	95332	<.03	<.001
89	95333	<.03	<.001
90	95334	<.03	<.001
91	95335	<.03	<.001
92	95336	<.03	<.001
93	95337	<.03	<.001
94	95338	<.03	<.001
95	95339	<.03	<.001
96	95340	<.03	<.001
97	95341	<.03	<.001
98	95342	<.03	<.001
99	95343	<.03	<.001
100	95344	<.03	<.001
101	95345	<.03	<.001
102	95346	<.03	<.001
103	95347	<.03	<.001
104	95348	<.03	<.001
105	95349	<.03	<.001
106	95350	<.03	<.001
107	95351	<.03	<.001
108	95352	<.03	<.001
109	95353	<.03	<.001
110	95354	<.03	<.001
111	95355	<.03	<.001
112	95356	<.03	<.001
113	95357	<.03	<.001
114	95358	<.03	<.001
115	95359	<.03	<.001
116	95360	<.03	<.001
117	95361	<.03	<.001
118	95362	<.03	<.001

per Frank J. Pezzotti, A.Sc.T. B.C.Certified Assayer

95-4/95-5

IMPERIAL METALS CORPORATION AK 95-877 29-Sep-95

ET #.	Tag #	Au (g/t)	Au (oz/t)
119	95363	<.03	<.001
120	95364	<.03	<.001
121	95365	<.03	<.001
122	95366	<.03	<.001
123	95367	<.03	<.001
124	95368	<.03	<.001
125	95369	<.03	<.001
126	95370	<.03	<.001
127	95371	<.03	<.001
128	95372	<.03	<.001
129	95373	<.03	<.001
130	95374	<.03	<.001
131	95375	0.03	0.001
132	95376	0.05	0.001
133	95377	0.04	0.001
134	95378	<.03	<.001
135	95379	<.03	<.001
136	95380	<.03	<.001
137	95381	<.03	<.001
138	95382	0.03	0.001
139	95383	0.03	0.001
140	95384	<.03	<.001
141	95385	<.03	<.001
142	95386	0.12	0.003
143	95387	<.03	<.001
144	95388	0.04	0.001
145	95389	<.03	<.001
146	95390	0.05	0.001
147	95391	0.04	0.001
148	95392	0.05	0.001
149	95393	0.03	0.001
150	95394	0.03	0.001
151	95395	1.41	0.041
152	95396	0.07	0.002
153	95397	<.03	<.001
154	95398	<.03	<.001
155	95399	<.03	<.001
156	95400	<.03	<.001
157	95401	<.03	<.001
158	95402	<.03	<.001
159	95403	<.03	<.001
160	95404	<.03	<.001
161	95405	0.03	0.001
162	95406	<.03	<.001
163	95407	<.03	<.001
164	95408	<.03	<.001

per Frank J. Pezzotti, A.Sc.T. B.C.Certified Assayer

ECO-TECH LABORATORIES LTD.

95-5

IMPERIAL METALS CORPORATION AK 95-877 29-Sep-95

ET #.	Tag #	Au (g/t)	Au (oz/t)	
165	95409	<.03	<.001	
166	95410	<.03	<.001	
167	95411	<.03	<.001	
168	95412	<.03	<.001	
169	95413	<.03	<.001	
170	95414	<.03	<.001	
171	95415	<.03	<.001	
172	95416	<.03	<.001	
173	95417	<.03	<.001	
174	95418	<.03	<.001	
175	95419	<.03	<.001	
176	95420	<.03	<.001	
177	95421	0.57	0.017	
178	95422	<.03	<.001	
179	95423	0.14	0.004	
180	95424	8.12	0.237	← in PO @ 381.7 - 383.8 - 2.1'
181	95425	0.09	0.003	
182	95426	0.10	0.003	
183	95427	0.04	0.001	
184	95428	<.03	<.001	
185	95429	0.05	0.001	
186	95430	<.03	<.001	
187	95431	<.03	<.001	
188	95432	<.03	<.001	
189	95433	<.03	<.001	
190	95434	<.03	<.001	
191	95435	<.03	<.001	
192	95436	<.03	<.001	
193	95437	<.03	<.001	
194	95438	<.03	<.001	
195	95439	0.03	0.001	
196	95440	0.03	0.001	
197	95441	0.06	0.002	
198	95442	0.25	0.007	
199	95443	0.35	0.010	
200	95444	0.09	0.003	
201	95445	0.03	0.001	
202	95446	0.10	0.003	
203	95447	0.06	0.002	
204	95448	0.10	0.003	
205	95449	2.96	0.086	- 5'
206	95450	0.25	0.007	5'
207	95451	0.60	0.017	- 5'
208	95452	0.19	0.006	
209	95453	0.04	0.001	
210	95454	0.09	0.003	

per Frank J. Pezzotti, A.Sc.T. B.C.Certified Assayer

ECO-TECH LABORATORIES LTD.

95-5

IMPERIAL METALS CORPORATION AK 95-877 29-Sep-95

ET #.	Tag #	Au (g/t)	Au (oz/t)
211	95455	0.11	0.003
212	95456	0.06	0.002
213	95457	0.03	0.001
214	95458	<.03	<.001
215	95459	<.03	<.001
216	95460	<.03	<.001
217	95461	<.03	<.001
218	95462	<.03	<.001
219	95463	0.04	0.001
220	95464	<.03	<.001
221	95465	<.03	<.001
QC DATA:			
Resplit:			
R/S 1	95245	0.03	0.001
R/S 36	95280	<.03	<.001
R/S 71	95315	0.07	0.002
R/S 106	95350	<.03	<.001
R/S 141	95385	<.03	<.001
R/S 176	95420	<.03	<.001
R/S 211	95455	0.10	0.003
Repeat:			
1	95245	0.03	0.001
10	95254	<.03	<.001
19	95263	<.03	<.001
36	95280	<.03	<.001
45	95289	<.03	<.001
54	95298	0.04	0.001
71	95315	0.06	0.002
80	95324	<.03	<.001
89	95333	<.03	<.001
106	95350	<.03	<.001
115	95359	<.03	<.001
124	95368	<.03	<.001
141	95385	<.03	<.001
150	95394	0.03	0.001
159	95403	<.03	<.001
176	95420	<.03	<.001
185	95429	0.05	0.001
194	95438	<.03	<.001
211	95455	0.10	0.003
220	95464	<.03	<.001

per Frank J. Pezzotti, A.Sc.T. B.C.Certified Assayer

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CERTIFICATE OF ASSAY AK 95-936

IMPERIAL METALS CORPORATION
420-355 BURRARD STREET
VANCOUVER, B.C.
V6C 2G8

13-Oct-95

ATTENTION: PAT McANDLESS

144 Core samples received Oct. 7, 1995
PROJECT #: Giant Copper
SHIPMENT #: 2
Samples submitted by: Mark Tindall

ET #.	Tag #	Au (g/t)	Au (oz/t)	Cu (%)
1	95466	0.07	0.002	-
2	95467	<.03	<.001	-
3	95468	<.03	<.001	-
4	95469	0.03	0.001	1.51
5	95470	<.03	<.001	-
6	95471	0.03	0.001	-
7	95472	0.03	0.001	-
8	95473	0.07	0.002	-
9	95474	0.03	0.001	-
10	95475	<.03	<.001	-
11	95476	<.03	<.001	-
12	95477	0.04	0.001	-
13	95478	0.03	0.001	-
14	95479	0.91	0.027	-
15	95480	<.03	<.001	-
16	95481	<.03	<.001	-
17	95482	<.03	<.001	-
18	95483	<.03	<.001	-
19	95484	<.03	<.001	-
20	95485	<.03	<.001	-
21	95486	<.03	<.001	-
22	95487	<.03	<.001	-
23	95488	0.03	0.001	-
24	95489	0.11	0.003	-
25	95490	<.03	<.001	-
26	95491	<.03	<.001	-

per Frank J. Pezzotti, A.Sc.T. B.C. Certified Assayer

IMPERIAL METALS CORPORATION AK95-036 13-Oct-95

ET #.	Tag #	Au (g/t)	Au (oz/t)	Cu (%)
27	95492	0.05	0.001	-
28	95493	0.03	0.001	-
29	95494	<.03	<.001	-
30	95495	0.06	0.002	-
31	95496	<.03	<.001	-
32	95497	0.05	0.001	-
33	95498	<.03	<.001	-
34	95499	<.03	<.001	-
35	95500	<.03	<.001	-
36	95501	<.03	<.001	-
37	95502	<.03	<.001	-
38	95503	<.03	<.001	-
39	95504	0.03	0.001	-
40	95505	0.03	0.001	-
41	95506	<.03	<.001	-
42	95507	0.03	0.001	-
43	95508	<.03	<.001	-
44	95509	<.03	<.001	-
45	95510	0.05	0.001	-
46	95511	0.03	0.001	-
47	95512	0.03	0.001	-
48	95513	0.06	0.002	-
49	95514	0.07	0.002	-
50	95515	0.03	0.001	-
51	95516	0.05	0.001	-
52	95517	<.03	<.001	-
53	95518	0.04	0.001	-
54	95519	0.11	0.003	-
55	95520	0.13	0.004	-
56	95521	0.04	0.001	-
57	95522	0.08	0.002	-
58	95523	0.05	0.001	-
59	95524	0.08	0.002	-
60	95525	0.11	0.003	-
61	95526	<.03	<.001	-
62	95527	0.19	0.006	-
63	95528	0.06	0.002	-
64	95529	0.06	0.002	-
65	95530	0.07	0.002	-
66	95531	0.12	0.003	-
67	95532	0.11	0.003	-
68	95533	0.06	0.002	-
69	95534	0.09	0.003	-
70	95535	<.03	<.001	-
71	95536	<.03	<.001	-
72	95537	<.03	<.001	-
73	95538	<.03	<.001	-

per Frank J. Pezzotti, A.Sc. T. B.C. Certified Assayer

IMPERIAL METALS CORPORATION AK95-936 13-Oct-95

ET #.	Tag #	Au (g/t)	Au (oz/t)	Cu (%)
74	95539	<.03	<.001	-
75	95540	<.03	<.001	-
76	95541	<.03	<.001	-
77	95542	<.03	<.001	-
78	95543	<.03	<.001	-
79	95544	<.03	<.001	-
80	95545	<.03	<.001	-
81	95546	<.03	<.001	-
82	95547	0.03	0.001	-
83	95548	0.04	0.001	-
84	95549	0.05	0.001	-
85	95550	0.52	0.015	-
86	95551	<.03	<.001	-
87	95552	0.05	0.001	-
88	95553	1.41	0.041	-
89	95554	0.06	0.002	-
90	95555	<.03	<.001	-
91	95556	<.03	<.001	-
92	95557	<.03	<.001	-
93	95558	<.03	<.001	-
94	95559	<.03	<.001	-
95	95560	0.03	0.001	-
96	95561	<.03	<.001	-
97	95562	<.03	<.001	-
98	95563	<.03	<.001	-
99	95564	<.03	<.001	-
100	95565	<.03	<.001	-
101	95566	<.03	<.001	-
102	95567	<.03	<.001	-
103	95568	<.03	<.001	-
104	95569	<.03	<.001	-
105	95570	<.03	<.001	-
106	95571	<.03	<.001	-
107	95572	<.03	<.001	-
108	95573	<.03	<.001	-
109	95574	<.03	<.001	-
110	95575	<.03	<.001	-
111	95576	<.03	<.001	-
112	95577	<.03	<.001	-
113	95578	<.03	<.001	-
114	95579	<.03	<.001	-
115	95580	<.03	<.001	-
116	95581	<.03	<.001	-
117	95582	<.03	<.001	-
118	95583	<.03	<.001	-
119	95584	<.03	<.001	-
120	95585	<.03	<.001	-

per Frank J. Pezzotti, A.Sc. T. B.C. Certified Assayer

IMPERIAL METALS CORPORATION AK95-836 13-Oct-95

ET #.	Tag #	Au (g/t)	Au (oz/t)	Cu (%)
121	95586	<.03	<.001	-
122	95587	<.03	<.001	-
123	95588	<.03	<.001	-
124	95589	<.03	<.001	-
125	95590	<.03	<.001	-
126	95591	0.04	0.001	-
127	95592	<.03	<.001	-
128	95593	<.03	<.001	-
129	95594	<.03	<.001	-
130	95595	<.03	<.001	-
131	95596	<.03	<.001	-
132	95597	<.03	<.001	-
133	95598	<.03	<.001	-
134	95599	<.03	<.001	-
135	95600	<.03	<.001	-
136	95601	<.03	<.001	-
137	95602	<.03	<.001	-
138	95603	<.03	<.001	-
139	95604	<.03	<.001	-
140	95605	1.00	0.029	-
141	95606	<.03	<.001	-
142	95607	<.03	<.001	-
143	95608	<.03	<.001	-
144	95609	<.03	<.001	-

per Frank J. Pezzotti, A.Sc. T. B.C. Certified Assayer

IMPERIAL METALS CORPORATION AK95-936 13-Oct-95

ET #.	Tag #	Au (g/t)	Au (oz/t)	Cu (%)
QC/DATA:				
Resplit :				
RS1	95466	0.08	0.002	-
RS36	95501	<.03	<.001	-
RS71	95536	<.03	<.001	-
RS106	95571	<.03	<.001	-
RS141	95606	<.03	<.001	-
Repeat #:				
1	95466	0.07	0.002	-
10	95475	<.03	<.001	-
19	95484	<.03	<.001	-
36	95501	<.03	<.001	-
45	95510	0.05	0.001	-
54	95519	0.13	0.004	-
71	95536	<.03	<.001	-
80	95545	<.03	<.001	-
89	95554	0.05	0.001	-
106	95571	<.03	<.001	-
115	95580	<.03	<.001	-
124	95589	<.03	<.001	-
142	95607	<.03	<.001	-
Standard:				
STD-L		2.03	0.059	-
STD-L		1.98	0.058	-
STD-L		1.96	0.057	-
STD-L		1.93	0.056	-
STD-L		1.94	0.057	-
HV1		-	-	0.52

ECO-TECH LABORATORIES LTD.
per Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

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CERTIFICATE OF ASSAY AK 95-1007

IMPERIAL METALS CORPORATION
420-355 BURRARD STREET
VANCOUVER, B.C.
V6C 2G8

26-Oct-95

ATTENTION: PAT McANDLESS

152 CORE samples received October 23, 1995
PROJECT #: Giant Copper
SHIPMENT #: 2
Samples submitted by Mark Tindall

ET #.	Tag #	Au (g/t)	Au (oz/t)
1	95610	<.03	<.001
2	95611	<.03	<.001
3	95612	0.16	0.005
4	95613	<.03	<.001
5	95614	0.03	0.001
6	95615	<.03	<.001
7	95616	0.03	0.001
8	95617	<.03	<.001
9	95618	<.03	<.001
10	95619	<.03	<.001
11	95620	<.03	<.001
12	95621	<.03	<.001
13	95622	<.03	<.001
14	95623	<.03	<.001
15	95624	<.03	<.001
16	95625	<.03	<.001
17	95626	<.03	<.001
18	95627	<.03	<.001
19	95628	2.30	0.067
20	95629	<.03	<.001
21	95630	<.03	<.001
22	95631	0.74	0.022
23	95632	<.03	<.001
24	95633	<.03	<.001
25	95634	<.03	<.001
26	95635	<.03	<.001

per Frank J. Pezzotti, A.Sc.T. B.C. Certified Assayer

ET #.	Tag #	Au (g/t)	Au (oz/t)
27	95636	<.03	<.001
28	95637	<.03	<.001
29	95638	<.03	<.001
30	95639	<.03	<.001
31	95640	<.03	<.001
32	95641	<.03	<.001
33	95642	<.03	<.001
34	95643	<.03	<.001
35	95644	<.03	<.001
36	95645	<.03	<.001
37	95646	<.03	<.001
38	95647	<.03	<.001
39	95648	<.03	<.001
40	95649	<.03	<.001
41	95650	<.03	<.001
42	95651	<.03	<.001
43	95652	<.03	<.001
44	95653	<.03	<.001
45	95654	<.03	<.001
46	95655	<.03	<.001
47	95656	<.03	<.001
48	95657	<.03	<.001
49	95658	<.03	<.001
50	95659	<.03	<.001
51	95660	<.03	<.001
52	95661	<.03	<.001
53	95662	0.03	0.001
54	95663	<.03	<.001
55	95664	<.03	<.001
56	95665	<.03	<.001
57	95666	<.03	<.001
58	95667	<.03	<.001
59	95668	<.03	<.001
60	95669	<.03	<.001
61	95670	<.03	<.001
62	95671	<.03	<.001
63	[illegible]	0.03	0.001
64		<.03	<.001
65	95674	<.03	<.001
66	95675	<.03	<.001
67	95676	<.03	<.001
68	95677	<.03	<.001
69	95678	<.03	<.001
70	95679	<.03	<.001
71	95680	<.03	<.001
72	95681	<.03	<.001
73	95682	<.03	<.001

per Frank J. Pezzotti, A.Sc.T. B.C. Certified Assayer

ET #.	Tag #	Au (g/t)	Au (oz/t)
74	95683	<.03	<.001
75	95684	<.03	<.001
76	95685	<.03	<.001
77	95686	<.03	<.001
78	95687	<.03	<.001
79	95688	<.03	<.001
80	95689	<.03	<.001
81	95690	<.03	<.001
82	95691	<.03	<.001
83	95692	<.03	<.001
84	95693	<.03	<.001
85	95694	<.03	<.001
86	95695	<.03	<.001
87	95696	<.03	<.001
88	95697	<.03	<.001
89	95698	<.03	<.001
90	95699	<.03	<.001
91	95700	<.03	<.001
92	95701	<.03	<.001
93	95702	<.03	<.001
94	95703	<.03	<.001
95	95704	0.54	0.016
96	95705	<.03	<.001
97	95706	<.03	<.001
98	95707	<.03	<.001
99	95708	<.03	<.001
100	95709	<.03	<.001
101	95710	<.03	<.001
102	95711	<.03	<.001
103	95712	0.19	0.006
104	95713	<.03	<.001
105	95714	0.06	0.002
106	95715	<.03	<.001
107	95716	<.03	<.001
108	95717	<.03	<.001
109	95718	<.03	<.001
110	95719	<.03	<.001
111	95720	<.03	<.001
112	95721	0.05	0.001
113	95722	0.03	0.001
114	95723	0.16	0.005
115	95724	0.06	0.002
116	95725	<.03	<.001
117	95726	<.03	<.001
118	95727	0.08	0.002
119	95728	<.03	<.001
120	95729	0.04	0.001

per Frank J. Pezzotti, A.Sc.T. B.C. Certified Assayer

ET #.	Tag #	Au (g/t)	Au (oz/t)
121	95730	<.03	<.001
122	95731	0.25	0.007
123	95732	<.03	<.001
124	95733	<.03	<.001
125	95734	<.03	<.001
126	95735	<.03	<.001
127	95736	<.03	<.001
128	95737	<.03	<.001
129	95738	<.03	<.001
130	95739	<.03	<.001
131	95740	<.03	<.001
132	95741	<.03	<.001
133	95742	<.03	<.001
134	95743	<.03	<.001
135	95744	0.03	0.001
136	95745	<.03	<.001
137	95746	<.03	<.001
138	95747	<.03	<.001
139	95748	0.08	0.002
140	95749	<.03	<.001
141	95750	<.03	<.001
142	95751	<.03	<.001
143	95752	<.03	<.001
144	95753	<.03	<.001
145	95754	<.03	<.001
146	95755	<.03	<.001
147	95756	0.25	0.007
148	95757	<.03	<.001
149	95758	<.03	<.001
150	95759	0.12	0.003
151	95760	<.03	<.001
152	95761	0.13	0.004

per Frank J. Pezzotti, A.Sc.T. B.C. Certified Assayer

ECO-TECH LABORATORIES LTD.

ET #.	Tag #	Au (g/t)	Au (oz/t)
QC DATA:			
Resplit:			
RS1	95610	<.03	<.001
RS36	95645	<.03	<.001
RS71	95680	<.03	<.001
RS106	95715	<.03	<.001
RS141	95750	<.03	<.001
Repeat:			
1	95610	<.03	<.001
10	95619	<.03	<.001
19	95628	2.18	0.064
36	95645	<.03	<.001
45	95654	<.03	<.001
54	95663	<.03	<.001
71	95680	<.03	<.001
80	95689	<.03	<.001
89	95698	<.03	<.001
106	95715	<.03	<.001
115	95724	0.03	0.001
124	95733	<.03	<.001
141	95750	<.03	<.001
Standard:			
STD-L		2.98	0.087
STD-L		3.18	0.093
STD-L		3.20	0.093

per ECO-TECH LABORATORIES LT
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

XLS/95Imperial

BK Giant Copper. Assays Rock

Channel samples

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CERTIFICATE OF ASSAY AK 95-878

IMPERIAL METALS CORPORATION
420-355 BURRARD STREET
VANCOUVER, B.C.
V6C 2G8

3-Oct-95

ATTENTION: PAT McANDLESS

14 Rockchip samples received Sept. 27, 1995
PROJECT #: Giant Copper
SHIPMENT #: 1
Samples submitted by; Mark Tindall

FEED FAX THIS END

FAX
To: P. McAndless
Dept.:
Fax No.: 687-4030
No. of Pages: 8
From: Diane
Date: Oct 4/95
Company:
Fax No.:
Comments: AK 95-878a/8770a

Post-it™ fax pad 7903E

ET #.	Tag #	Au (g/t)	Au (oz/t)	Cu %
1	96951	<.03	<.001	-
2	96952	0.10	0.003	-
3	96953	<.03	<.001	-
4	96954	<.03	<.001	-
5	96955	<.03	<.001	-
6	96956	<.03	<.001	-
7	96957	<.03	<.001	-
8	96958	<.03	<.001	-
9	96959	0.03	0.001	-
10	96960	0.06	0.002	-
11	96961	<.03	<.001	-
12	96962	0.1	0.003	1.70
13	96963	0.21	0.006	-
14	96964	<.03	<.001	-
QC DATA:				
Resplit:				
R\S 1	96951	<.03	<.001	-
Repeat:				
1	96951	<.03	<.001	-
Standard:				
STD-L		2.03	0.059	-
HVI			-	0.52

ECO-TECH LABORATORIES LTD.
per Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

XLS/95Imperial

Giant Copper
· Assays
· Rock.

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Fax (604) 573-4557

CERTIFICATE OF ASSAY AK 95-937

IMPERIAL METALS CORPORATION
420-355 BURRARD STREET
VANCOUVER, B.C.
V6C 2G8

13-Oct-95

ATTENTION: PAT McANDLESS

28 ROCK samples received Oct 7, 1995
PROJECT #:Giant Copper
SHIPMENT #:2

ET #.	Tag#:	Au (g/t)	Au (oz/t)	Cu (%)
1	96965	0.06	0.002	-
2	96966	<.03	<.001	-
3	96967	<.03	<.001	-
4	96968	0.08	0.002	-
5	96969	0.04	0.001	-
6	96970	0.03	0.001	-
7	96971	<.03	<.001	-
8	96972	0.05	0.001	-
9	96973	0.16	0.005	-
10	96974	0.06	0.002	-
11	96975	<.03	<.001	-
12	96976	0.06	0.002	-
13	96977	0.09	0.003	-
14	96978	0.61	0.018	1.99
15	96979	0.40	0.012	-
16	96980	<.03	<.001	-
17	96981	<.03	<.001	-
18	96982	<.03	<.001	-
19	96983	<.03	<.001	-
20	96984	0.03	0.001	-
21	96985	0.08	0.002	-
22	96986	0.03	0.001	-
23	96987	0.10	0.003	-
24	96988	0.07	0.002	-
25	96989	<.03	<.001	-

FEED FAX THIS END

FAX

To: Pat McAndless
Dept.:
Fax No.:
No. of Pages: 4
From: Sandy
Date: Oct 13
Company:
Fax No.:
Comments:

per Frank J. Pezzotti, A.Sc.T. B.C Certified Assayer

IMPERIAL METALS CORPORATION AK95-937 **13-Oct-95**

ET #.	Tag#:	Au (g/t)	Au (oz/t)	Cu (%)
26	96990	0.06	0.002	-
27	96991	0.18	0.005	-
28	96992	<.03	<.001	-
QC/DATA				
Resplit :				
RS1	96965	0.04	0.001	-
Repeat :				
1	96965	0.08	0.002	-
10	96974	0.07	0.002	-
19	96983	<.03	<.001	-
Standard				
STD-L		2.01	0.059	-
HV1		-	-	0.52

ECO-TECH LABORATORIES LTD.
per Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

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- fax to M. Tindall
- PM
- BLC

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CERTIFICATE OF ASSAY AK 95-936A

IMPERIAL METALS CORPORATION
420-355 BURRARD STREET
VANCOUVER, B.C.
V6C 2G8

24-Nov-95

Post-it® Fax Note 7671	Date Nov. 27/95	# of pages ▶ 5
To Mark Tindall	From Pat McAndless	
Co./Dept.	Co.	
Phone #	Phone #	
Fax #	Fax #	

ATTENTION: PAT McANDLESS

144 Core samples received Oct.7,1995
PROJECT #: Giant Copper
SHIPMENT #: 2
Samples submitted by: Mark Tindall

As per request Nov. 14, 1995

ET #.	Tag #	Pd (g/t)	Pd (oz/t)	Pt (g/t)	Pt (oz/t)
4	95469	<.03	<.001	<.03	<.001
75	95540	<.03	<.001	<.03	<.001

QC DATA:
Standard:

SUIA	0.39	0.011	0.42	0.012

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CERTIFICATE OF ASSAY AK 95-877A

IMPERIAL METALS CORPORATION
420-355 BURRARD STREET
VANCOUVER, B.C.
V6C 2G8

24-Nov-95

ATTENTION: PAT McANDLESS

221 Core samples received Sept. 27,1995
PROJECT #: Giant Copper
SHIPMENT #: 1
Samples submitted by: Mark Tindall

As per request Nov. 14, 1995

FEED FAX THIS END

FAX
To: P McAndless
Dept.:
Fax No.: 1087-4030
No. of Pages: 3
From: Diana
Date: Nov24/95
Company:
Fax No.:
Comments: Jobs 878A, 936A/877A

ET #.	Tag #	Pd (g/t)	Pd (oz/t)	Pt (g/t)	Pt (oz/t)
59	95303	<.03	<.001	<.03	<.001
60	95304	<.03	<.001	<.03	<.001
61	95305	<.03	<.001	<.03	<.001
63	95307	<.03	<.001	<.03	<.001
199	95443	<.03	<.001	<.03	<.001
QC DATA:					
Standard:					
SUIA		0.42	0.012	0.39	0.011

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CERTIFICATE OF ASSAY AK 95-878A

IMPERIAL METALS CORPORATION
420-355 BURRARD STREET
VANCOUVER, B.C.
V6C 2G8

24-Nov-95

ATTENTION: PAT McANDLESS

14 Core samples received Sept. 27,1995
PROJECT #: Giant Copper
SHIPMENT #: 1
Samples submitted by: Mark Tindell

As per request Nov. 14, 1995

ET #.	Tag #	Pd (g/t)	Pd (oz/t)	Pt (g/t)	Pt (oz/t)
13	98963	<.03	<.001	<.03	<.001
	QC DATA:				
	Standard:				
	SUIA	0.39	0.011	0.42	0.012

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CERTIFICATE OF ASSAY AK 95-937A

IMPERIAL METALS CORPORATION
420-355 BURRARD STREET
VANCOUVER, B.C.
V6C 2G8

24-Nov-95

ATTENTION: PAT McANDLESS

28 Rock samples received Oct 7, 1995
PROJECT #: Giant Copper
SHIPMENT #: 2
Samples submitted by: Mark Tindall

As per request Nov. 14, 1995

FEED FAX THIS END

FAX
To: P. McAndless
Dept.:
Fax No.: 687-4020
No. of Pages: 1
From: Diane
Date: Nov 24/95
Company:
Fax No.:
Comments: Cert. Assay

ET #.	Tag#:	Pd (g/t)	Pd (oz/t)	Pt (g/t)	Pt (oz/t)
14	96978	<.03	<.001	<.03	<.001
15	96979	<.03	<.001	<.03	<.001

QC/DATA

Standard				
SUIA	0.42	0.012	0.99	0.011

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

XLS/95Imperial#2

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Fax (604) 573-4557

CERTIFICATE OF ASSAY AK 95-1102

IMPERIAL METALS CORPORATION
420-355 BURRARD STREET
VANCOUVER, B.C.
V6C 2G8

24-Nov-95

ATTENTION: PAT McANDLESS

10 Composite samples received Nov. 14, 1995
PROJECT #: none given
Re: Pulps sent from Chemex Labs

ET #.	Tag #	Pd (g/t)	Pd (oz/t)	Pt (g/t)	Pt (oz/t)
1	95015	<.03	<.001	<.03	<.001
2	95030	<.03	<.001	<.03	<.001
3	95102	<.03	<.001	<.03	<.001
4	95104	<.03	<.001	<.03	<.001
5	95105	<.03	<.001	<.03	<.001
6	95106	<.03	<.001	<.03	<.001
7	95154	<.03	<.001	<.03	<.001
8	95166	<.03	<.001	<.03	<.001
9	95169	<.03	<.001	<.03	<.001
10	95219	<.03	<.001	<.03	<.001
QC DATA:					
Repeat:					
1	95015	<.03	<.001	<.03	<.001
5	95105	<.03	<.001	<.03	<.001
Standard:					
SU1A		0.39	0.011	0.42	0.012

FEED FAX THIS END

FAX

To:
Dept.:
Fax No.: 6874030
No. of Pages: 1
From:
Date: NOV24
Company:
Fax No.:
Comments: AK 1102

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

XLS/95Imperial#2

9,000 E. 9,200 E. 9,400 E. 9,600 E. 9,800 E. 10,000 E.

10,200 N. 10,000 N. 9,800 N. 9,600 N. 9,400 N. 9,200 N. 9,100 N.

A.M. No. 4 M.C. LOT 1584

AGUSTUS No. 5 FR. LOT 1585

A.M. M.C. LOT 1586

A.M. No. 1 M.C. LOT 1579

A.M. No. 2 M.C. LOT 1587

REX No. 1 FR. LOT 1595

A.M. No. 3 M.C. LOT 1577

N

24,157

PART 1 OF 2

G-123 G-125 G-122 G-121 G-124

GCS88-4&5 GCS88-1&2 GCS88-3&6

#1 #2 #3

No. 1 Portal No. 4 Portal No. 5 Portal No. 6 Level

No.2 Portal No. 3 Portal No. 7 Portal

79-1 79-2

GCS95-3 GCS95-6 GCS95-8 GCS95-2 GCS95-1 GCS95-5 GCS95-7 GCS 95-4

GCR88-4 GCR88-3 GCR88-5 GCR88-2,2A,6 GCS88-7

GCS88-11 GCS88-9 GCS88-10 GCS89-16

GCR89-14 GCR89-15 GCR89-13 GCR89-21 GCR89-24 GCR89-25 GCR89-17 GCR89-26 GCR89-27 GCR89-28 GCR89-22 GCR89-23 GCR89-18

C-1 C-2 C-4 C-9 C-15

0.735% Cu 1368 ppb Au 50'

1.66% Cu 583 ppb Au 95'

1.56% Cu 2,188 ppb Au 109'

0.607% Cu 547 ppb Au

0.629% Cu 410 ppb Au 15'

0.506% Cu

0.331% Cu 69'

0.41% Cu 47'

0.64% Cu 471 ppb Au 76'

1.33% Cu ? Au 54'

1.133% Cu 584 ppb Au 28.8'

0.36% Cu 147.6'

0.383% Cu 384 ppb Au 120'

1.41 % Cu 205 ppb Au 50'

1.00 % Cu 122 ppb Au 100'

0.58 % Cu 103 ppb Au 60'

1.237 % Cu 68 ppb Au 20'

Hole Not Assayed

0.496% Cu Tr Au 76'

Cu 93 15'

0.226% Cu 338 ppb Au 45'

0.900% Cu 49'

0.849% Cu 49'

0.19% Cu 1,448 ppb Au 80'

1.63% Cu 350 ppb Au 45'

0.375% Cu 154.5'

0.399% Cu 451 ppb Au 44'

0.917% Cu 86.7'

0.41% Cu 40'

0.38% Cu 60'

0.333% Cu 22'

0.591% Cu 50.4'

0.803% Cu 26'

0.81% Mo 17.6'

0.483% Cu 120 ppb Au 130'

0.417% Cu 313 ppb Au 80'

0.36% Cu 803 ppb Au 130'

0.327% Cu ? Au 60'

0.398% Cu ? Au 30'

0.647% Cu ? Au 43'

0.675% Cu ? Au 21.5'

0.75% Cu 44 ppb Au 35'

0.57% Cu 88 ppb Au 20'

0.61 % Cu 88 ppb Au 20'

0.67% Cu 143 ppb Au 20'

1.19% Cu 573 ppb Au 165'

0.86% Cu 217 ppb Au 55'

1.00% Cu 398 ppb Au 35'

0.62% Cu 202 ppb Au 25'

0.40% Cu 104 ppb Au 35'

0.48% Cu 188 ppb Au 30'

1.10 % Cu 418 ppb Au 55'

0.62% Cu 231 ppb Au 220'

0.725% Cu 321 ppb Au 250'

0.58% Cu 171 ppb Au 105'

0.54% Cu 75 ppb Au 30'

0.47% Cu ? Au 29'

0.812% Cu 492 ppb Au 75'

1.02% Cu ? Au 65'

0.57% Cu 194 ppb Au 65'

0.75% Cu 44 ppb Au 35'

0.36% Cu 803 ppb Au 130'

LEGEND

GCR88-1 — DRILL HOLE (GCS – DIAMOND DRILLING, GCR – ROTARY DRILLING)

GCS95-2 — 1995 DRILL HOLE

MINERALIZED INTERCEPT

No. 4 Portal — ADIT

SCALE 1":50'

METRES 0 20 40 60 80 100

FEET 0 50 100 150 200 250

DRAWING: AM95DDH.DWG

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA M. A. TINDALL 22 APR 1997 SCIENTIST

BETHLEHEM RESOURCES CORP.

GIANT COPPER PROJECT

AM BRECCIA

DRILL HOLE LOCATION PLAN

MAP NO: | DATE: NOVEMBER, 1995 | TINDALL GEOSERVICES INC.

9,000 E. 9,200 E. 9,400 E. 9,600 E. 9,800 E. 10,000 E.

A.M. No. 4 M.C. LOT 1584

AGUSTUS No. 5 FR. LOT 1585

A.M. M.C. LOT 1586

A.M. No. 1 M.C. LOT 1579

10,200 N.

10,000 N.

9,800 N.

9,600 N.

9,400 N.

9,200 N.

9,100 N.

N

No. 1 Portal

No. 4 Portal

No. 5 Portal

No. 6 Level

No. 2 Portal

No. 3 Portal

No. 7 Portal

96959	0.182	0.03	24.0
96960	0.127	0.08	7.0
96958	0.319	<0.03	7.0
96966	0.111	<0.03	1.0
96967	0.174	<0.03	4.0
96957	0.195	<0.03	5.0
96956	0.473	<0.03	22.0
96987	0.584	0.10	51.0
96988	0.716	0.07	90.0
96955	0.440	<0.03	20
96954	0.234	<0.03	11.0
96989	0.632	0.04	30.0
96988	0.459	0.08	10.0
96953	0.508	<0.03	14.0
96952	0.568	0.10	16.0
96981	0.180	<0.03	9.0
96980	0.310	<.03	22.0
96951	0.441	<0.03	9.0
96964	0.285	<0.03	26.0
96963	1.203	0.210	110.0
96962	1.944	0.10	88.0
96961	0.294	<0.03	8.0
96965	0.129	0.06	3.0
96992	1.137	<0.03	59.0
96991	0.087	0.180	2.0
96990	0.322	0.06	8.0
96989	0.131	<0.03	2.0
96986	0.655	0.03	12.0
96985	0.575	0.08	15.0
96984	0.380	0.03	2.0
96983	0.173	<0.03	6.0
96982	0.556	<0.03	12.0
96979	0.956	0.40	50.0
96978	1.990	0.51	56.0
96977	0.298	0.09	6.0
96976	0.507	0.08	10.0
96975	0.403	<0.03	10.0
96974	0.544	0.06	31.0
96973	0.540	0.18	59.0
96972	0.261	0.05	8.0
96970	0.320	0.03	6.0
96971	0.068	<0.03	<1.0

REX No. 1 FR. LOT 1595

A.M. No. 3 M.C. LOT 1577

A.M. No. 2 M.C. LOT 1587

LEGEND

No. 4 Portal — ADIT

96951 | 0.441 <0.03 9.0 — CHANNEL SAMPLE; SAMPLE NO. | % Cu, Au g/t, Ag g/t

SCALE 1":50'

METRES 0 20 40 60 80 100

FEET 0 50 100 150 200 250

DRAWING: CHIPSAMP.DWG

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA M. A. TINDALL GEOSCIENTIST

M. J. (2)

BETHLEHEM RESOURCES CORP.

GIANT COPPER PROJECT

AM BRECCIA

CHANNEL SAMPLE LOCATIONS

MAP NO: | DATE: NOVEMBER, 1995 | TINDALL GEOSERVICES INC.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

24,157

PART 1 OF 2