87-388-15936
6/88

GEOLOGY OF THE CENTRAL AXELGOLD RANGE

SPECIFIC CLAIMS: Axel 5 #5660 (8), Axel 6 #5661 (8), Axel 7 #5662 (8), Axel 8 #5663 (8), Goldaxe 1 #6349 (7), Goldaxe 3 #6351 (7)

MINING DIVISION: Omenica

NTS: 93N/13W

LATITUDE: 55°58'

LONGITUDE: 125°58'

OWNER: Imperial Metals Corporation & Equinox Resources Ltd.

OPERATOR: Imperial Metals Corporation

AUTHOR: A.B. Taylor

DATE: July 1987

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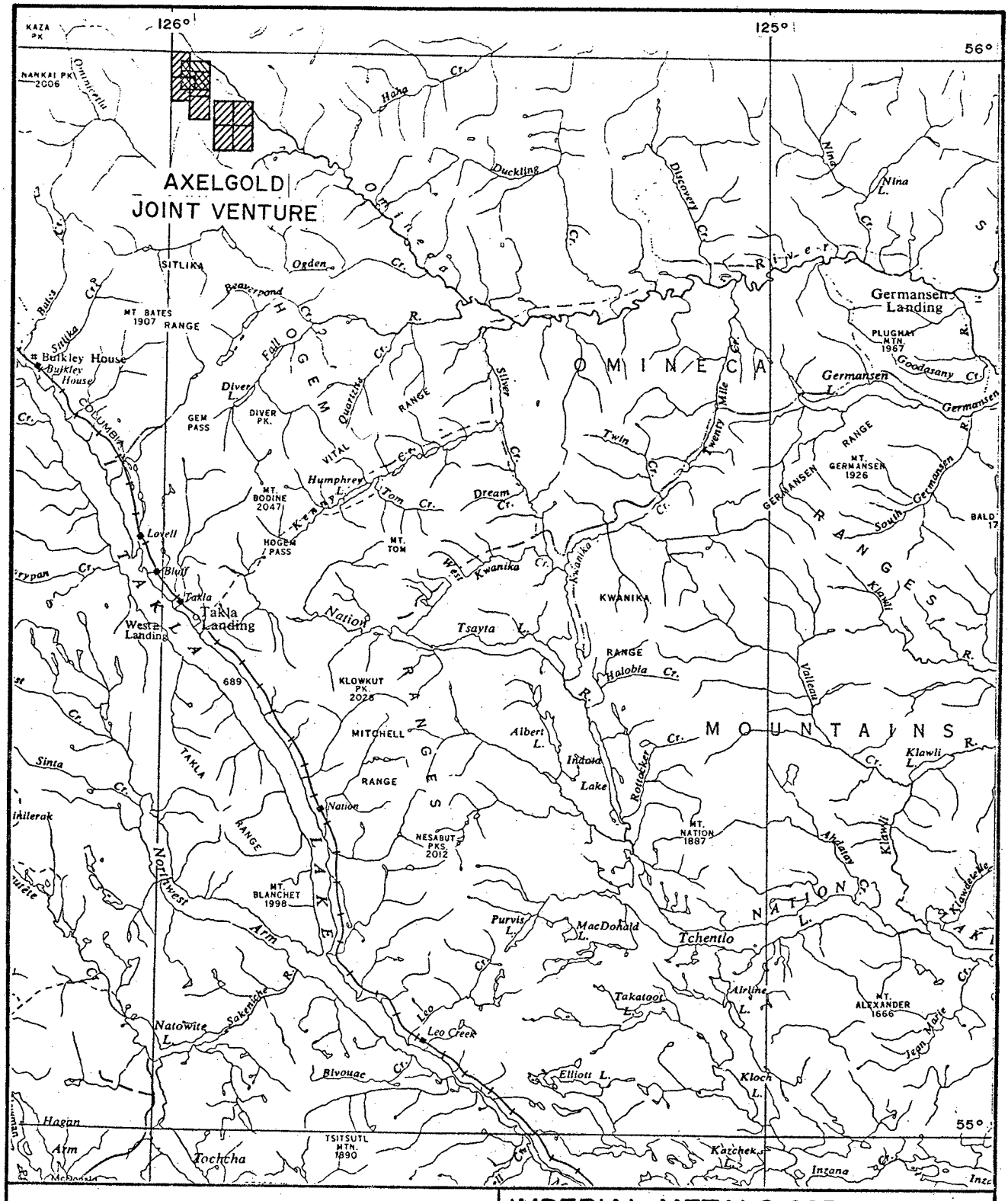
SUMMARY

The purpose of the 1986 exploration program was to follow-up previously found anomalous geochemical results, produce a geological map of the area and define possible drill targets for 1987.

On the northern group of claims Axel 5-8, Goldaxe 1, 3 a major detailed grid with 25m sample stations on 50m spaced lines over the entire anomalous geological terrain (approx. 3km strike) was established. This ties together and duplicates all previous grids. A total of 1699 soil samples were taken along with 121 rock samples all being analysed by ICP methods for 30 elements and geochemical AA for Au. The area was regionally mapped at 1:12,500 and locally on the grid at 1:2,000. Results show variable strong anomalies in Au, Sb, As, Cu, Pb, Zn which seem to coincide with anomalous analysed bedrock occurrences of mineralized quartz veins and felsic dikes, a highest assay of .368 oz Au/t came from a grab sample in trench A.

The syenitic intrusive has a total strike length of at least 3km with major geochemical anomalies occuring at varying points along its entire length. It is recommended that a geophysical program be carried out over the area as soon as possible followed up by a diamond drill program to test these strong anomalies.



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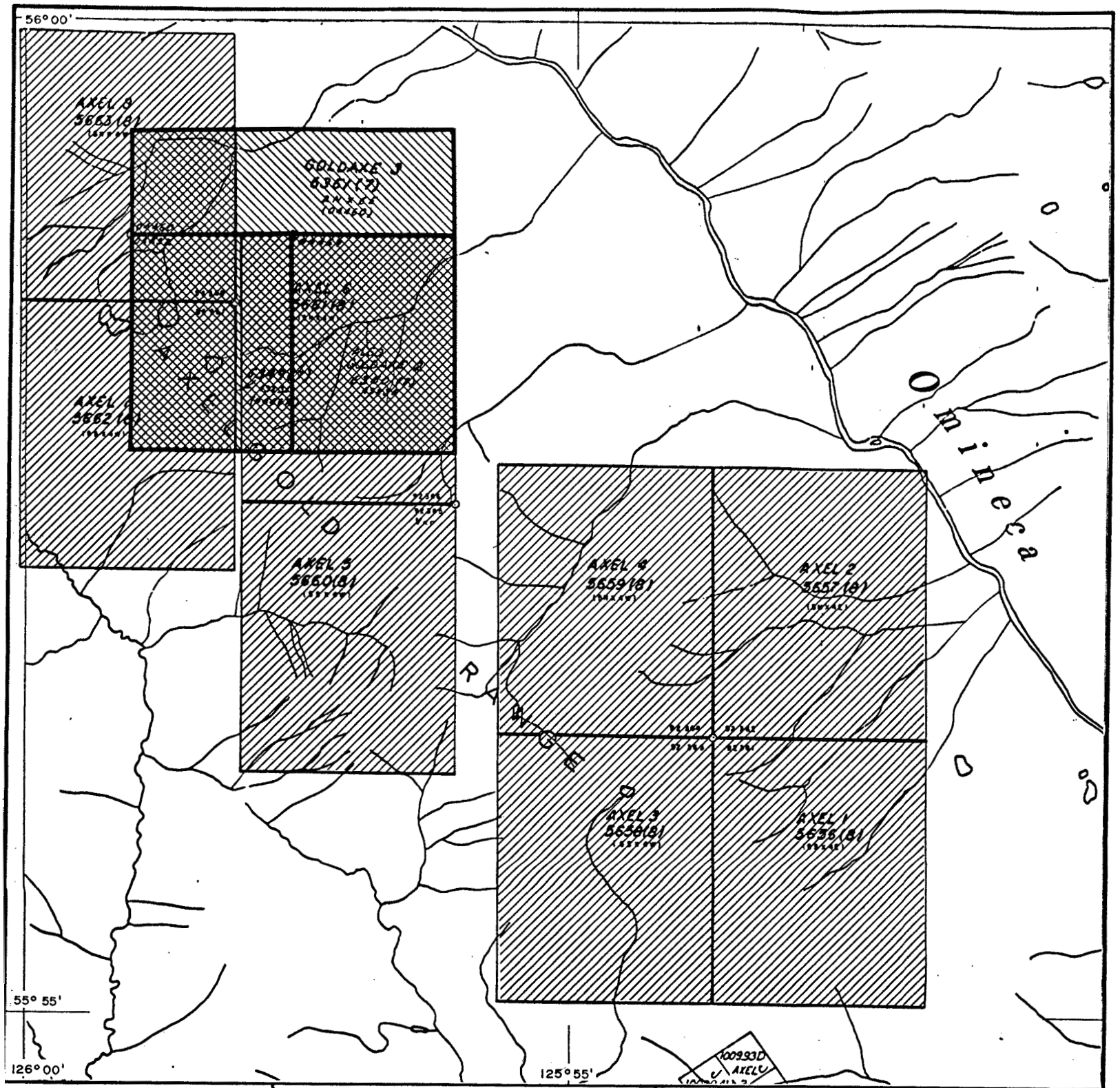
AXELGOLD JOINT VENTURE

FIGURE A — MAP IF

LOCATION MAP

Km 10 0 10 20 Km

SCALE: 1:600 000	GEOLOGIST: A. B. TAYLOR
DATE: OCTOBER 1985	DRAWN BY: S. HAWORTH



LEGEND

AXEL Claims

GOLDAXE Claims

IMPERIAL METALS CORPORATION

AXELGOLD JOINT VENTURE

FIGURE 1 N.T.S. 93N/13W

GOLDAXE AND AXEL CLAIMS

Km 1 0 1 2 Km

SCALE: 1:50 000	GEOLOGIST: A.B. TAYLOR
DATE: JUNE 1986	DRAWN BY: S. HAWORTH

GENERAL GEOGRAPHIC & PHYSIOGRAPHIC POSITION:

The Axel 6-8 claims and Goldaxe 1 and 3 claims are located in the central portion of the Axelgold Range north-central B.C. (figure 1 & 2). The area consists of rugged northeast facing cliffs with more gentle southerly slopes and is noted from the air by a strong brown gossanous knob of rock with large talus slopes. Peaks rise up to 1,930m and valleys occur from 1,600m down to 850m at the Omenica River. Alpine-type grassland grows on the southerly slopes above 1,600m with scrub and coniferous forest occuring in the valleys.

The nearest road is at the Mount Ogden Jade Mine 17 km to the southeast. Access to Mount Ogden is sometimes a problem due to road conditions and the nearest reliable road access to bring equipment on is the Diver Lake road from Takla Landing which occurs approximately 28 km to the south.

PROPERTY DEFINITION:

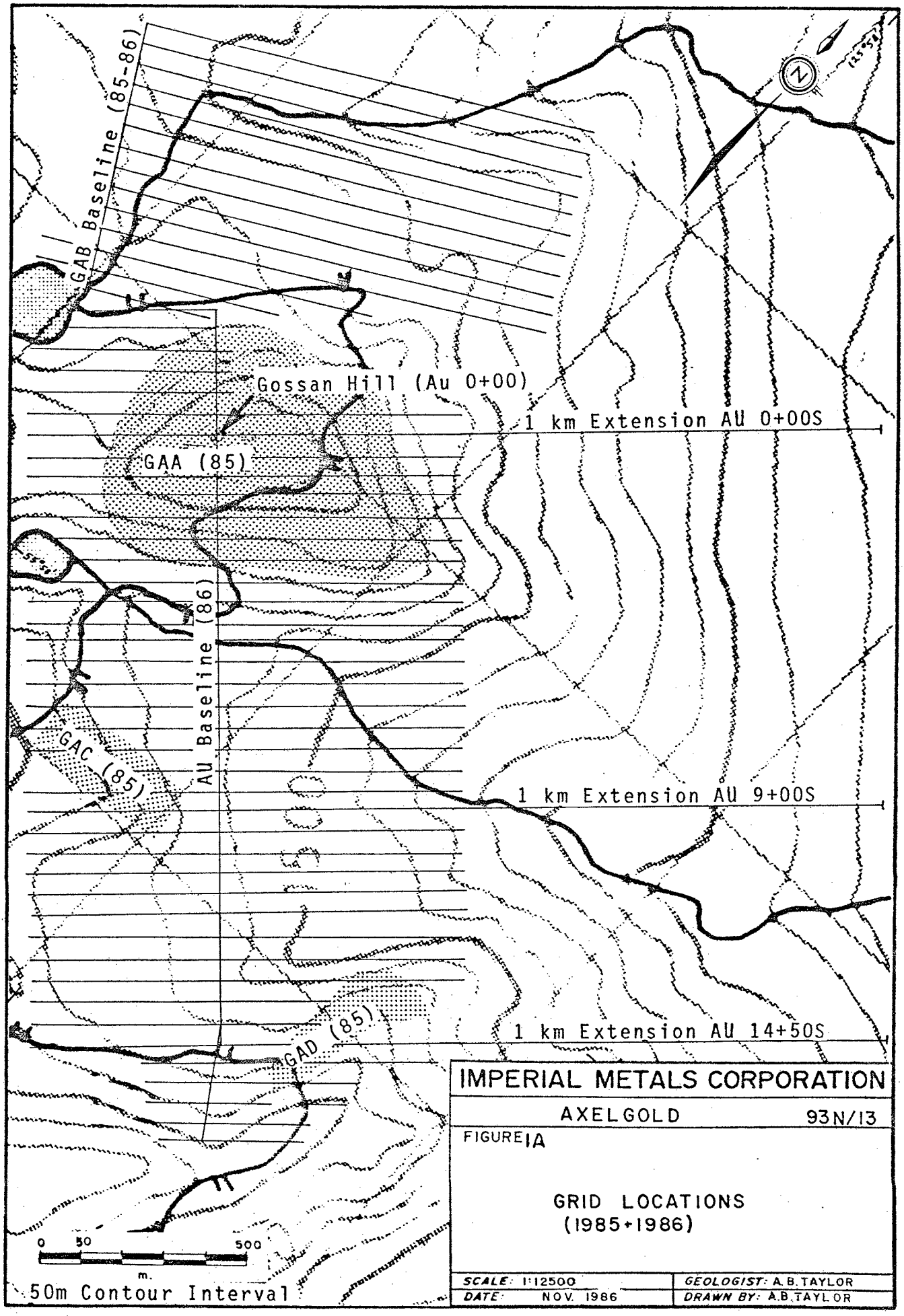
In 1984 Imperial Metals Corporation and Equinox Resources Ltd. entered into a Joint Venture program on the Axel claims with Imperial being the operator. The Axelgold claims consist of

CLAIM NAME	#UNITS	RECORD #	EXPIRY
GOLDAXE 1	12	6349	July 6/87
GOLDAXE 3	12	6351	July 6/87
AXEL 5	12	5660	August 15/87
AXEL 6	20	5661	August 15/87
AXEL 7	20	5662	August 15/87
AXEL 8	20	5663	August 15/87

These claims are now grouped as the Axelgold Group and are all registered under owner Imperial Metals Corporation.

SUMMARY OF WORK COMPLETED:

The Au grid was established with a chained slope corrected baseline extending from the crest of the main gossanous knob at a bearing of 135° to 1,450m S and 300m N. Subsequent southerly extension of the baseline from 1,400m S on a 146° bearing to 1,700m S was carried out. Lines were established every 50m by pickets and flagging with sample stations every 25m.The lines extended from the baseline 450 W and 600m E except on 3 lines which extended 1,600m E. A total of 1,578 soil samples were taken on the AU grid and analysed for 30 elements by ICP methods with gold separately analysed for by atomic absorption.



IMPERIAL METALS CORPORATION

AXELGOLD 93N/13

FIGURE 1A

GRID LOCATIONS
(1985+1986)

SCALE: 1:12500	GEOLOGIST: A.B. TAYLOR
DATE: NOV. 1986	DRAWN BY: A.B. TAYLOR

The GAB grid which was established in 1985 was tied into the AU grid and pertinent lines were extended. A total of 131 soil samples were taken from the GAB grid. Soils were taken from the B horizon at approximately 15cm depth where possible. A total of 121 rock samples were taken from the grids and adjacent ground and analysed by ICP methods and AA for gold. A 7m long trench (trench A) was dug along with numerous other small pits.

The claim area was geologically mapped at a scale of 1:12,500 (figure #6) and the AU-GAB grid mapped at a scale of 1:2,000 (figure #7).

REGIONAL GEOLOGY:

Originally the rocks of the Axelgold Range were mapped by Armstrong (1949) as belonging to the Cache Creek Group of Late Paleozoic age. This geology was later revised by Paterson (1974) and the Axelgold range was divided into a series of faults and thrusts with a western Cache Creek terrain faulted against the Triassic Takla Group which in turn are faulted (Pinchi Fault) against intrusive rocks of the Hogem Batholith to the east of the Omineca River. In concurrence with Armstrong (1949) Paterson refers to ultramafic rocks found in the fault zone as belonging to the Trembleur Ultramafics of Pre-Takla age. Paterson also first described a leucocratic syenitic body intruding the Takla rocks in the Axel 6-8 claim area. He describes it as being highly altered particularly next to the fault contact and contains widespread disseminated pyrite giving rise to a large gossan. He places the age of the syenite as Mesozoic or Tertiary.

This intrusion that Paterson refers to is the site of the major geochemical anomalies found on the claims.

LOCAL GEOLOGY:

Cache Creek Group:

Cache Creek Group rocks are understood to be late Paleozoic in age and occur west of and within the major northwesterly trending fault zone that bisects the claims. Cache Creek Group rocks can be recognized by their highly tectonized-foliated state giving rise to a lustrous sheen and are comprised mostly of phyllitic schists with minor interbedded metavolcanics. These phyllites are generally grey to black and contain sporadic bull quartz veins both cross-cutting and co-planar to the foliation planes. Metavolcanics occur as dark green fine grained andesitic rocks. Fairly fresh looking blue-grey limestone with bedding co-planar to foliation occurs within the fault zone in what appears to be a continuous unit for at least 1 kilometer along strike. Overall structural attitudes of foliation planes shows a moderate to steep northeasterly dip.

In the fault zone the phyllites are variably silicified and carbonatization is evident along minor slip planes co-planar to foliation. Ultramafic rocks are caught up along fault planes along with the Cache Creek Group rocks (refer to Trembleur Intrusives).

The main east bounding fault zone appears to swing from a northwest trend to a northeast trend north of the large gossanous hill (referred to as Gossan Hill). In this northern part of the claims Cache Creek rocks may extend down to the Pinchi Fault itself at the Omineca River.

Trembleur Intrusives:

A number of small variably altered ultramafic bodes are caught up as slivers in the fault zone. Quartz-talc carbonate rock with green mariposite is common and in the field exhibits an anastomosing system of quartz veins with minor magnesite veins. Dark green variably serpentinized harzbugite is also found. Serpentinite varies from dark black to a light green and usually exhibits a highly resinous luster.

Takla Group:

Sediments:

As described in the 1986 Assessment Report on the Axel 1-4 claim sediments of the Takla group comprise mostly shales and siltstones. As one comes further to the north to Axel 6 claim a coarse conglomerate appears in a fault wedge between the main fault zone and shales. The conglomerate varies from matrix to fragment supported consisting of sub-rounded clasts of black siltstone, chert, wacke and blue-grey limestone up to 10cm diameter.

Most of the conglomerate, especially in the vicinity of the Axel intrusion, appears to be carbonatized and weathers a buff brown. Where strongly carbonatized the iron carbonate pervades both matrix and fragments but where less altered only the m trix is affected. Fresh unaltered conglomerate has a grey muddy matrix.

The conglomerate is moderately to strongly foliated with co-planar bedding and overall dips moderate to steeply northeast. This unit appears to directlv overly and envelope the intrusive rocks on the property. This conglomerate is a unique lithology in the Takla Group and since it is present as a fault wedge, it may be much younger than Takla age, possibly Tertiary.

Volcanics (Intrusive & Extrusive):

The Axel intrusion is represented by a pyritic sequence of felsic and siliceous rocks variably altered by silicification and carbonatization. Relationship between the various intrusive units are somewhat obscure but the complex is seen to intrude only into the overlying conglomeratic unit. In general the core of the intrusive is comprised of a megacrvstic syenite porphyry flanked by a variably altered finer grained syenitic porphyry overlain by a felsite unit which is in turn capped by lapilli tuff. Peripheral extensions of the intrusion, referred to as the Axel Intrusion, is noted in the form of felsic, porphyritic and andesitic dikes cutting the conglomerate as far as 3km south of the main intrusion on Gossan Hill ('Au' 0+00).

The megacrystic syenite porphyry is comprised of large white weathering euhedral K-feldspar laths up to 5cm in length and in places exhibits a trachytic texture. The porphyritic pseudohexagonal crystals make up to 70%

of the rock and quartz perthititic intergrowths are evident in some crystals. The matrix appears to be a very fine grained feldspar-sericite-quartz mat which weathers a grey-brown color. This unit, as found in Gossan Hill, is at least 100m thick and has obscure possibly gradational boundaries with the syenite porphyrv In the southern part of the AU grid at the trench site this unit is highly silicified with feldspar phenocrysts seen as ghostly outlines. Also in this area quartz-fluorite-stibnite veins, usually less than 2cm thick cut the silicified porphyry.

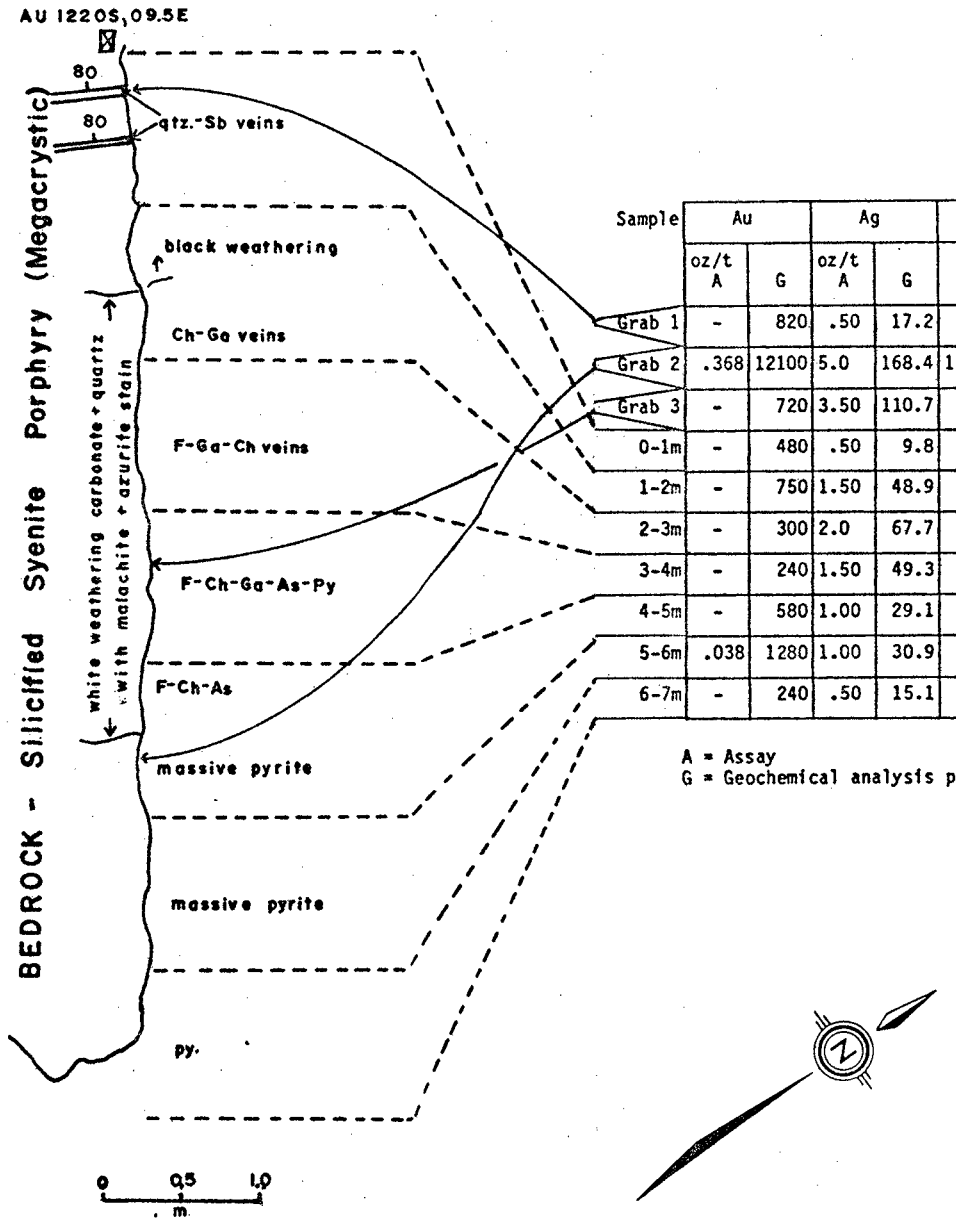
The finer grained syenite porphyry varies from a K-feldspar packed (phenocrysts less than 8mm) rock to a fine grained siliceous rock that exhibits vague outlines of sheared and altered feldspars with sericite. This unit appears to flank the megacrystic syenite porphyry although it becomes extremely altered and sheared in places. Fresh syenite is massive and weathers in blocky fractures that where highly sheared and sericitized (south part of grid) weathers a yellow-brown color. This unit normally contains up to 2% disseminated pyrite.

The felsitic-siliceous rocks are found both as dikes and massive bodies and are somewhat vague in nature. These rocks are typified by their buff-brown weathering appearance and are comprised essentially of quartz-feldspar-iron carbonate with disseminated pyrite. Ghostly outlines of feldspars up to 5mm diameter can be observed in parts of this unit. These bodies occur mostly on the flanks of the main intrusion and parallel the main fault zone.

Other augite-syenites and feldspar-mica dike-like bodies occur intermittently along with this felsite suite and can be seen intruding the conglomerate. All trend northwest with moderate dips to the northeast. The felsite bodies usually contain multiple quartz veining which in some localities contains mineralization.

One fine grained basaltic dike found in the southeastern part of the grid appears very fresh and crosscuts all rocks at a 45^{o} trend.

A lapilli tuff unit is seen both on the top of Gossan Hill and in the southeast portion of the grid and consists mostly of felsic fragments in a dacitic matrix. The exposure of this unit is limited and its extent not well established.



AU TRENCH A SAMPLES

Sample	Au		Ag		Sb		Cu		Pb		Zn		As	
	oz/t A	G	oz/t A	G	% A	G	% A	G	% A	G	% A	G	% A	G
Grab 1	-	820	.50	17.2	.44	3241	.20	2013	.40	4032	.04	399	.01	124
Grab 2	.368	12100	5.0	168.4	1.33	8199	2.33	22944	.08	784	.34	3449	.45	4696
Grab 3	-	720	3.50	110.7	.390	2846	1.78	16358	1.80	15437	1.62	14001	0.52	4924
0-1m	-	480	.50	9.8	.10	1030	.14	1365	.12	1125	.05	445	.03	338
1-2m	-	750	1.50	48.9	.110	1084	.39	3749	.22	1990	.07	654	.09	867
2-3m	-	300	2.0	67.7	.110	1086	.45	4314	.76	6638	.53	4783	.10	983
3-4m	-	240	1.50	49.3	.10	967	.58	5675	.08	736	.08	806	.17	1732
4-5m	-	580	1.00	29.1	.06	552	.58	5653	.15	1287	.05	527	.19	1861
5-6m	.038	1280	1.00	30.9	.30	2525	.26	2631	.08	737	.01	152	.16	1704
6-7m	-	240	.50	15.1	.04	408	.20	1908	.12	1069	.07	615	.19	922

A = Assay
G = Geochemical analysis ppm except Au ppb

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AXELGOLD

FIGURE 2

AU TRENCH A

SCALE: 2cm = 1m. | GEOLOGIST: A B TAYLOR

DATE: NOV 1986 | DRAWN BY: A B TAYLOR

MINERALIZATION:

Highly anomalous soils collected previous and during the 1986 program helped to define areas of high mineralization potential. In almost all cases mineralization was found to be in quartz-vein type settings.

Quartz veins averaging 2cm thick are evident on top of Gossan Hill (Au 1+00S 150E). These veins were examined and the greater percentage contain variable amounts of stibnite, galena, chalcopyrite and most are anomalous in gold with a high of 2900 ppb Au from one vein. No consistent orientation of the veins was noted and they occur in felsitic-type rocks which themselves do not appear to be anomalous (Au 0+95S 1+75E B-R). Similar quartz-stibnite veins are found on the GAB grid and run up to 2750 ppb Au (GAD 350N 775E-AR) and also at the south end of the grid (Au 15+20S BL-R) which ran 120.4 ppm Ag.

Trench A (refer to figure 2) was dug to find the origin of Cu-stained float in a small debris track. A 7m trench exposed vein-type mineralization. The first 2m exposed quartz veins up to 7cm wide with stibnite in a highly weathered host rock. From 2m to 7m mineralization consists of quartz, fluorite and calcite veins carrying stibnite, pockets of chalcocite, galena, sphalerite and variable amounts of pyrite. No reliable structural attitide can be recognized in this part but overall impression indicates a northerly trend. Quartz-fluorite veins showing stibnite and chalcocite veins are evident in outcrops within 200m of trench and the host rock appears to be a silicified megacrystic syenite porphyry. A top assay of .368 oz/t Au from a grab sample from Trench A. One small quartz-fluorite vein was also found in Gossan Hill (Au 400S 015W-R).

A lens of recemented carbonate-silica breccia was found in the cliffs east of Au 1350S (GAD 2T6R) where minor galena and chalcopyrite is evident.

GEOCHEMISTRY:

In previous programs the areas has shown strong multielement geochemical anomalies and the 1986 program duplicates these anomalies and further defines their extent.

Extremely strong Au anomalies are found throughout the entire grid. A maximum high of 9050 ppb Au (GAB 350N 1075E) was sampled but many anomalies

TABLE 1 - SIGNIFICANT ROCK GEOCHEMISTRY

SAMPLE # (Grid)	SAMPLE DESCRIPTION	Au ppb	Ag ppm	As ppm	Pb ppm	Zn ppm	Cu ppm	Sb ppb
AU 10+80S 0+3WR	Silicic megacrystic syenite porphyry with quartz veinlets Sb-Cu (malachite)	1600	33.6	604	1248	896	1248	3021
AU 12+10S 0+15W-R	Megacrystic syenite porphyry pyritic minor qtz veinlets F-Cu	740	9.1	124	330	262	1339	1038
AU 0+95S 1+75E-A-R	Qtz veins - 2cm thick, stibnite	2150	8.6	112	6351	468	693	2701
AU 0+95S 1+75E-B-R	Host for quartz veins, pinkish syenite porphyry- pyritic	8	.1	49	28	119	46	20
AU 15+20S BL-R	Quartz-galena veins in felsite	350	120.4	110	21150	57	330	93
AU 1+00S 2+00E-F	Quartz-galena-stibnite vein in felsite talus.	4200	9.8	178	22458	535	403	8668
AU 4+90S 1+25W-F	Possible boulder of buff weathering felsite with qtz veins	1650	.3	78	76	60	64	14
AX5-7AR (south border Axel 6)	Stibnite vein in felsite dike cutting conglomerate	162	1.0	16	39	45	125	40014
AX5 7BBR (south border Axel 6)	Multiple qtz veins in felsite dike cutting conglomerate	540	5.8	15	1970	239	948	2391
AX5-7CCR (south border Axel 6)	Qtz veins in silicic felsite dike cutting conglomerate	1600	1.3	386	116	102	250	1600
GAA 177020S015E-R (near BQ 095S, 1+75E)	Quartz vein with stibnite	2900	10.3	91	8077	3293	114	3426
GAB 3+50N 7+75E AR	Qtz vein with galena-stibnite	2750	85.3	62	9066	498	1536	3335
GAB 3+50N 7+75E-BR	Host rock for qtz veins (above) Pink buff weathering massive porphyritic intrusive.	260	2.4	69	97	74	41	30
GAD 2+GR (250m E of Au 135 OS)	Recemented carbonate-silica breccia lens in sheared dacite porphyry	1450	209.9	153	24	273	2406	1434
GAB 3+46N 8+80E-R	Qtz vein with stibnite-galena	4820	27.6	106	4396	1913	217	2168

occur above 500 ppb Au.

In the AU and GAB grid 5 areas of strong multi-element anomalies are evident (refer to figure #4) with anomalies defined by Au greater than 100 ppb in analysed soils.

Anomaly 1) Au 1100S to 1700S from the baseline to the east defines a large strong Au-As-Zn-Pb-Cu-Sb anomaly.

Anomaly 2) Au 1400S 150W to 350W defines an extremely high tight linear Au-As-Cu anomaly.

Anomaly 3) Au 150S 350W to 400S 1+25E contains a large moderate Au-As-Pb-Zn-Mo-Cu anomaly.

Anomaly 4) Au 100S to 150E contains a strong tight Au-Cu-Zn-Pb-Sb anomaly.

Anomaly 5) GAB spot highs contains a number of Au-Zn-Pb-As-Cu northerly trending highs.

The line extensions of 1km E onto lines 0+00 6+00E shows no anomalies, 9+00S 6+00E to 16+00E shows small Au anomalies to 12+25E and 14+50S 6+00E to 12+00E show anomalous Au but is very flat further out to 16+00E. The 1600m contour soil samples vary from very flat to highly anomalous, 2250 ppb Au at Ax 1600 6+50m (for location refer to figure #5).

Another line of contour sampling, 1550 N&S, was carried out on the Axel 4 claim above previous soil lines. The 1550N line shows spot highs in areas of felsitic dikes cutting the conglomerate.

DISCUSSION:

Geology:

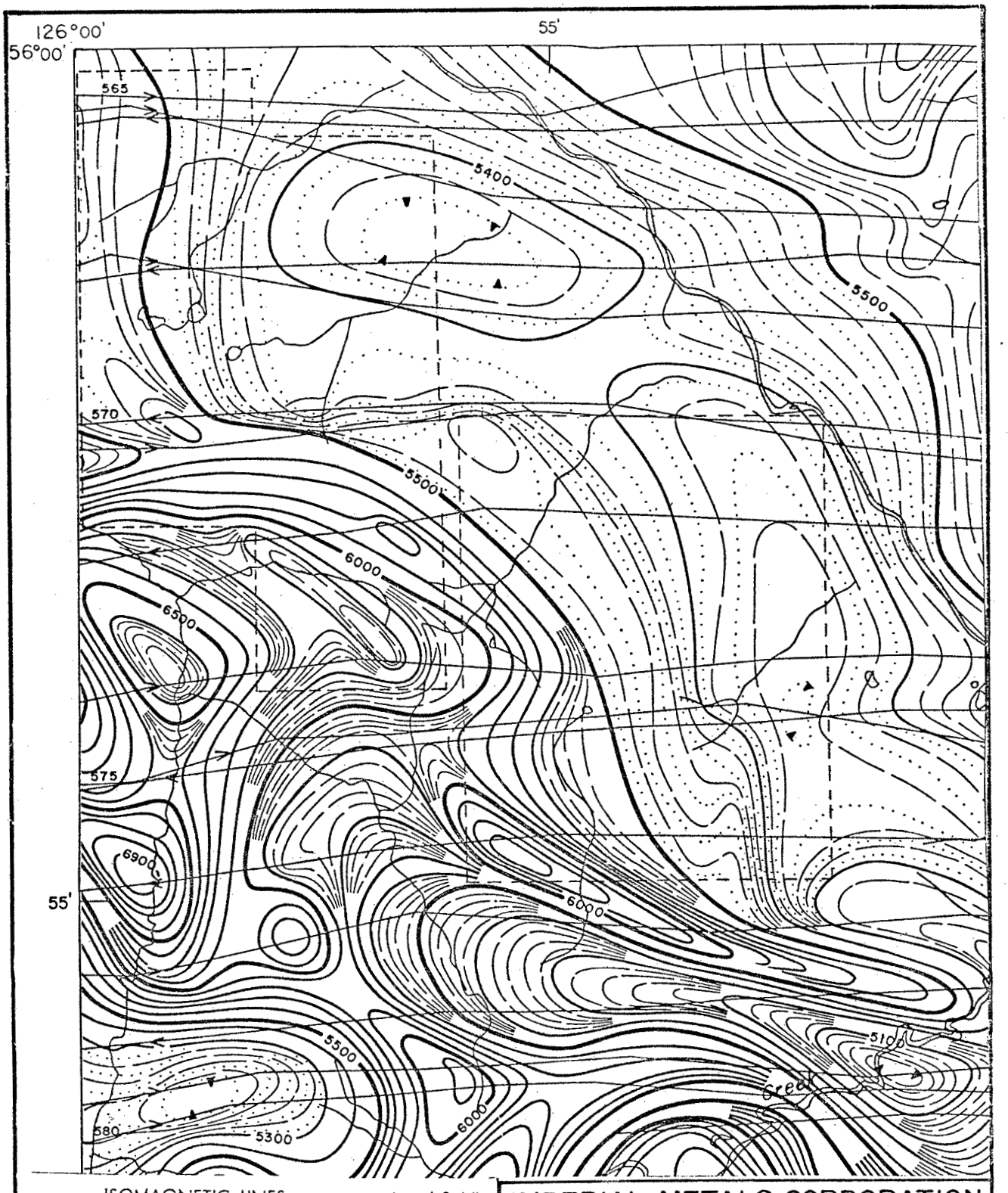
It is apparent that a unique felsic intrusive (referred to as the Axel Intrusion) exists in the conglomeratic rocks on the Axel 6-8 claims. A major northwest trending fault zone separates this Mesozoic or younger package of rocks from the phyllites of the Cache Creek group including the Trembleur ultramafics. This complex fault zone defines the western margin of the Axel intrusion but its role in emplacement of the intrusive is not certain. All structural attitudes are northwesterly trending and dip moderately to steeply northeast. The limits of the intrusion to the east are unknown due to thick Omineca River valley-fill however the Pinchi fault does occur in the valley giving a maximum width of 3km for the intrusion.

The conglomerate appears to be altered in direct proportion to the vicinity of the Axel intrusion. Alteration is in the form of a carbonatization aureole which has replaced minerals in the conglomerate with iron carbonates. The first physical sign of the intrusive complex is the occurrence of peripheral dikes which cut the conglomerate at the south border of Axel 6 claim. These dikes occur as felsitic, andesitic and syenite porphyry the latter of which is identical to the main intrusive phase, the megacrystic syenite porphyry. The occurrence of the Axel intrusion only within the conglomerate and the faulted in nature of the conglomerate into Takla-age sediments may indicate a close age relationship between the conglomerate and intrusion, possibly as young Tertiary, with the intrusion being the youngest unit.

Stratigraphically below the carbonitization aureole is found iron carbonate rich felsitic bodies which in turn appear to envelope the syenitc porphyry. The syenite porphyry, although heavily altered in places, appears to flank the core of the intrusion, the megacrystic syenite porphyry. This zoned intrusive complex is capped off by small occurrences of extrusive lapilli tuff.

Geophysics:

The aeromagnetic map for the Axelgold area (figure #3) shows Takla-type rocks outlining a quiet magnetic low. The surrounding area is very "noisy" and variable due to the presence of ultramafic bodies. The fault zone can be seen as a northwesterly trending magnetic high.



ISOMAGNETIC LINES (total field)

500 gammas
100 gammas
20 gammas
10 gammas
Magnetic depression

Flight lines
Flight altitude 1000 feet above ground level
Claim boundary

IMPERIAL METALS CORPORATION

AXELGOLD 93N/13

FIGURE 3

AEROMAGNETIC MAP
GSC - 5286G

SCALE: 1 63360	GEOLOGIST: A B TAYLOR
DATE: NOV 1986	DRAWN BY:

The relatively low aeromagnetic anomaly can be explained in the southern claims by the great thickness of Takla sediments. In the northern claims the Axel intrusives shows no magnetic signature probably due to relative homogeneity of the disseminated pyritic rock units as a whole and the effects of the overlying conglomerate. It is also interesting to note that the magnetic trough occurs all the way to the Omineca River possibly indicating the full extent of the Takla rocks.

Geochemistry:

The anomalous geochemistry of soil samples and anomalous rock samples show a direct relationship with strong multielement anomalies. It is apparent that vein-type mineralization may be the cause of extreme highs. Mineralized quartz veins occur mostly within the felsitic-iron carbonate rocks but are also found in the syenite porphyry and megacrystic syenite. The presence of fluorite which has been confirmed by analysis (refer to appendix, up to 20,000 ppm) in some veins including the trench is a good hydrothermal indicator. It is also very important to perceive that the anomalous areas occur over the entire intrusive geology, a strike length of 3km (refer to figure #4). Stibnite is almost always present with Au in quartz veins and is found as solid 2cm veins in a felsite dike 3km south of Gossan Hill.

In the process of geological mapping geomorphology was also noted since this strongly reflects trends in geochemistry. From this mapping the following points are noted:

1) large talus slopes throughout the area appear to reflect any anomalies found in outcrop but at a lower order of magnitude.

2) a large landslide or slump west of Au 600S covers the area with non-anomalous debris from the fault zone.

3) outcrops and Au anomalies are directly related or inversely areas of vegetation coincide with low anomalies which may imply substantial overburden thicknesses. This may be the case on the 1km line extensions into the Omineca River valley.

The following is a brief summary of the five geochemical anomalies defined by Au greater than 100 ppb in soils along with other coincident metal anomalies.

Anomaly 1; Au-As-Zn-Pb-Cu-Sb

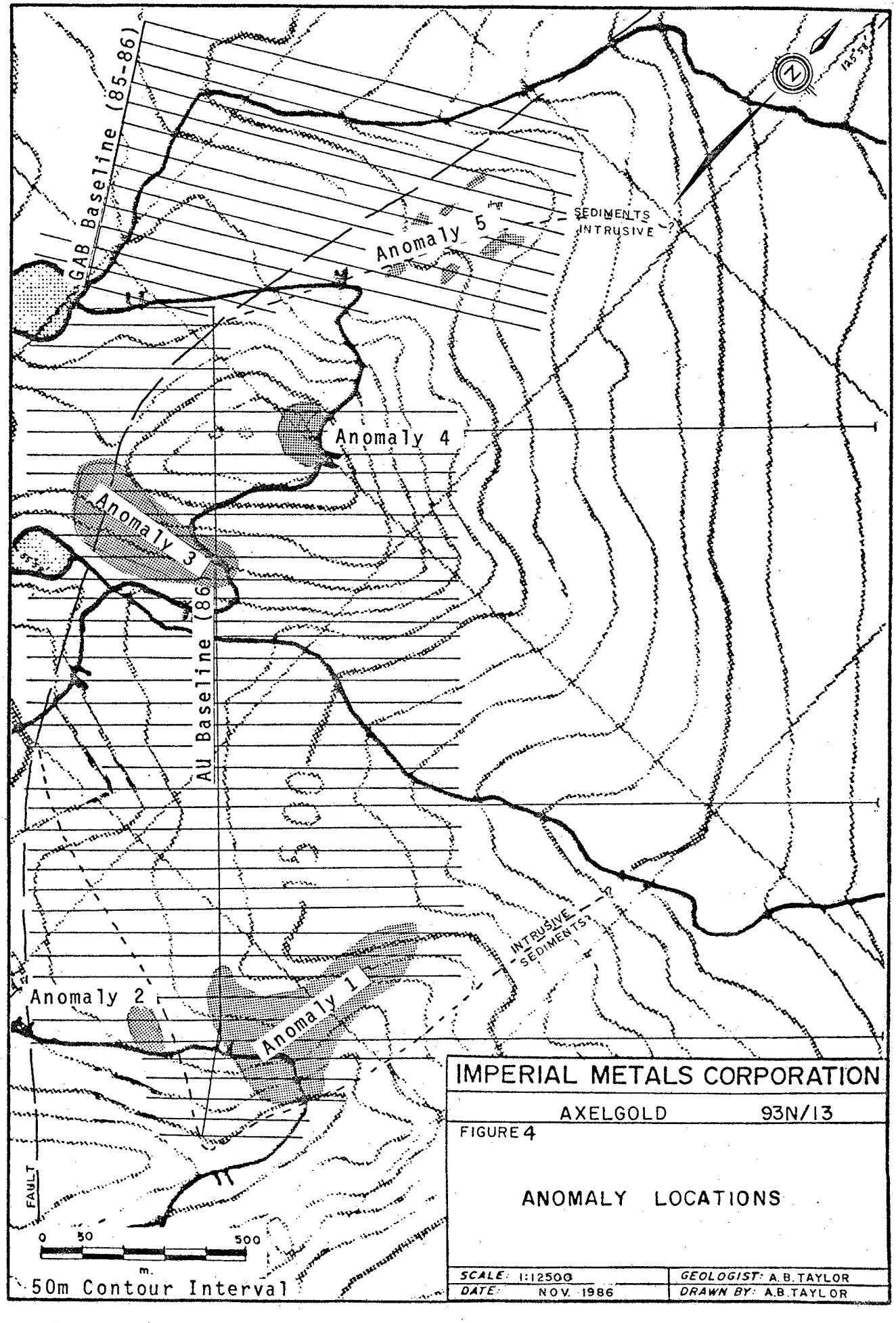
This very large six element anomaly occurs at the southern end of the Au grid mostly to the east. The area is characterized by steep talus fans, forest covered ground and extends partially up the east trending medial ridge. The area is underlain by silicified megacrystic syenite porphyry overlain by sheared syenite porphyry and iron-carbonate rich felsite rocks. Although the anomaly is open to the south, it is not expected to continue beyond the ridge which is within 300m of AU 1,700S, since conglomerate is found to be overlying the intrusive on the top of the ridge with the intrusive extending further to the south only as 2-4m wide dike-like bodies. Au and As are best definers of this anomaly while Zn, Pb, Cu, Sb are sporadically found. Minor occurrences of quartz veins were found in this area including Trench A but there are not enough to explain the origin of this large anomaly. Trench A does occur within this anomaly but does not reflect any significant geochemical signature at this 1:2,000 scale.

Anomaly 2; Au-As-Cu

This is a strong tight Au-As anomaly with minor Cu and occurs over conglomeratic rocks cut by felsic dikes. It would appear that the felsic-carbonatized dikes are most important in reflecting this somewhat linear anomaly however a rock sample from these dikes ran only 115 ppb Au (Au 1450S, 345 W-R, see table #1). These dikes trend northwest parallel to the main fault and dip moderately northeast.

Anomaly 3; Au-As-Pb-Zn-Mo-Cu

This anomaly occurs on the western flanks of Gossan Hill and is characterized by syenite porphyry and megacrystic syenite porphyry outcrop with large talus fans. This is a very extensive anomaly with consistently high Au, As, Pb. A slight overlapping of the anomaly over the main fault zone is probably a result of talus and debris sloughing off the steep hill. Very few quartz veins are found in these very massive rock units implying a possible syngenetic or alteration origin for the mineralization.


GAB Baseline (85-86)
Anomaly 5
SEDIMENTS
INTRUSIVE
Anomaly 4
Anomaly 3
Au Baseline (86)
Anomaly 2
Anomaly 1
INTRUSIVE
SEDIMENTS
FAULT
0 50 500
m.
50m Contour Interval
IMPERIAL METALS CORPORATION
AXELGOLD 93N/13
FIGURE 4
ANOMALY LOCATIONS
SCALE: 1:12500
DATE: NOV. 1986
GEOLOGIST: A.B.TAYLOR
DRAWN BY: A.B.TAYLOR

Anomaly 4; Au-Cu-Zn-Pb-Sb

This anomaly is found on the top of Gossan Hill and is characterized by iron carbonate rich syenite outcrops and active talus. A number of small 1-2cm thick quartz veins which variably carry chalcopyrite, galena and stibnite is the probable origin of this small anomaly.

Anomaly 5; Au-Zn-Pb-As-Cu

These spot highs occur mostly on the GAB grid characterized by gentle forested slopes with variable amounts of overburden. A number of anomalous quartz veins cutting syenite have been analysed (table #1) and are suspected to be the origin for these numerous spot highs. One anomalous zone occuring on the west side of the fault can be related to a block of altered ultramafics.

Other Areas of Interest

Although the 5 main anomalous areas encompass the most interesting geochemical anomalies, other areas are of interest also. In a region characterized by mostly forest covered overburden (Au 8+00S to 9+00S to the east) a Cu, Zn, Mo zone exists. This zone appears to follow the stream drainage pattern and may be an effect of deposition and dispersal at times of flood.

Another area of interest is the medial ridge to the west cutting the Au baseline at 1100S. This area contains anomalous Au, Cu, Mo, Zn and may reflect the trend of a major structure forming the ridge.

The line extensions of 1km E onto lines 0+00 6+00E shows no anomalies, 9+00S 6+00E to 16+00E shows small anomalies to 12+25E and 14+50S 6+00E to 12+00E display anomalous Au but is very flat further out to 16+00E. The 1,600m contour soil samples vary from very flat to highly anomalous, 2250 ppb Au at Ax 1600 6+50m (for location refer to figure #5).

Another line of contour sampling, 1550 N&S, was carried out on the Axel 4 claim above previous soil lines. The 1550N line shows spot highs in areas of felsitic dikes cutting the conglomerate.

CONCLUSIONS:

1) The Axel intrusion is a syenitic intrusion in Takla or younger age conglomerates adjacent to a complex fault zone that separates it from the Cache Creek group.

2) The Axel intrusion appears to be zoned with a core of megacrystic syenite porphyry enveloped by syenite porphyry and felsitic rocks which are in turn enclosed by a carbonatization aureole. All components contain disseminated pyrite. Local structural attitudes are consistent with regional attitudes dipping moderately to steeply northeast.

3) The Axel intrusion hosts all multielement geochemical anomalies and may cover an area up to 9 square kilometers.

4) Five anomalous gold zones have been defined of which most can be related to quartz veins bearing stibnite, chalcocite, galena, sphalerite, pyrite and fluorite while others may be syngenetic or derived in the process of alteration.

RECOMMENDATIONS:

1) A geophysical survey be carried out over pertinent anomalous zones.

2) A comprehensive diamond drill program be initiated to test the strong geochemical anomalies.

3) Further detailed geological mapping and trenching.

4) Further petrographic and whole rock analysis on the suspect geology be carried out.

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Taylor, A.B. 1986: Geology of the Southern Axelgold Range submitted for Assessment Work for Imperial Metals Corporation (Axel 1-4)

AXELGOLD NORTH COST STATEMENT

Personnel:

A. Taylor	July 4, 15	Aug. 9 - 28	22 x $165/day	$ 3,630	
R. Boase		Aug. 9 - 28	20 x $ 95/day	1,900	
R. Carten		Aug. 9 - 28	20 x $ 90/day	1,800	
T. MacKenzie		Aug. 7 - 28	22 x $155/day	3,410	
P. MacKenzie		Aug. 7 - 11	5 x $145/day	725	
Room and Board @ $40/day for 89 days				3,560	
Property visits by IMC personnel ZN, HM, RP (inc. airfare, lodging, salaries, etc.)				2,500	
					$17,525

Transportation:

Helicopter costs 18 hrs @ $425/hr plus fuel & oil	9,000	
A. Taylor Smithers - Vancouver (return)	293	
R. Boase P. George - Vancouver	149	
R. Carten Smithers - Vancouver	150	
Truck Rental 1.5 months	1,782	
Central Mountain Air	278	
		$11,652

Analytical Costs:

Soils 1800 samples @ $10.75	19,350	
Rocks 121 samples @ $13.00	1,573	
Other analysis, whole rock, thin section work (in progress)	1,500	
Shipping Costs	500	
		$22,923

Miscellaneous:

Recording Fees	770	
Expediting - fixed wing carrying cargo & personnel	1,500	
- Tsayta lake lodging 10 nights, 5 people @ $55/per.	2,750	
Camp equipment - sample bags, pickets, flagging, etc.	2,000	
Drafting, report writing, computer time, consulting (includes salaries; AT, SH, LS, TC)	10,280	
Costs Jan. 1 to April 1/86 (includes salaries WM, LS)	8,874	
		$26,174
		$78,274

CERTIFICATE

I, Alan B. Taylor, geologist, residing at #15 - 8720 Maplegrove Crescent in the Municipality of Burnaby, Province of British Columbia, hereby certify that:

1. I graduated from Brock University in 1979 with an Honours Bachelor of Science in Geology.

2. I graduated from the University of Western Ontario in 1984 with a Master of Science in Geology.

3. I have worked for various mining companies and government geological surveys since 1977.

4. I am presently a permanent staff geologist with Imperial Metals Corporation of #800 - 601 West Hastings Street, in the City of Vancouver, Province of British Columbia.

6. The work described in this report on the Axelgold claims was undertaken under my direct supervision.

26 day of June, 1986

Vancouver, British Columbia

Alan B. Taylor

ALAN B. TAYLOR, Geologist

APPENDIX 1

ANALYTICAL TECHNIQUES AND DATA

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK CHIPS AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: SEPT 3 1986 DATE REPORT MAILED: Sept 8/86 ASSAYER. D. Toye ..DEAN TOYE. CERTIFIED B.C. ASSAYER.

IMPERIAL METALS PROJECT - 4120 FILE # 86-2435 PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 4+00S 2+15W-R	6	77	109	13	.9	8	3	75	2.22	221	12	ND	27	108	1	11	6	9	.12	.071	59	4	.07	56	.01	8	.47	.03	.34	1	86
AU 4+25S 2+50W-A-R	26	152	70	48	1.8	224	29	32	3.06	420	7	ND	13	40	1	94	14	7	.02	.014	29	96	.06	34	.01	8	.35	.02	.26	1	390
AU 4+25S 2+50W-B-R	1	42	86	62	.4	15	17	91	5.66	215	6	ND	8	204	1	8	6	30	.51	.308	50	9	.09	21	.01	17	.55	.04	.38	1	220
AU 4+35S 2+50W-R	1	60	1170	27	4.0	4	1	44	.93	114	10	ND	4	179	1	100	25	2	.02	.034	7	7	.01	535	.01	2	.10	.02	.10	1	83
AU 7+10S 0+85E-R	13	32	47	47	.7	13	6	143	2.50	19	12	ND	22	100	1	2	4	22	.08	.096	54	13	.33	34	.01	4	.38	.08	.34	1	16
AU 7+40S 0+90E-A-R	6	106	28	98	.7	19	9	1005	2.09	8	5	ND	21	236	1	2	2	19	1.91	.080	53	7	.50	1308	.01	3	.23	.10	.16	1	2
AU 7+40S 0+90E-B-R	24	90	97	103	.7	22	9	772	2.55	17	15	ND	16	388	1	8	2	28	2.31	.033	47	8	.72	35	.01	8	.31	.10	.17	1	12
AU 10+50S 0+15W-R	36	1965	125	200	13.3	9	20	1286	4.19	149	38	ND	42	397	1	703	11	57	.62	.131	80	10	.97	24	.01	6	.62	.09	.71	1	230
AU 10+80S 0+3W-R	11	6371	1248	896	33.6	17	18	485	5.92	604	29	ND	24	705	3	3021	3	113	.49	.182	62	39	1.13	21	.01	12	.60	.08	.73	1	1600
AU 11+00S 0+15W-R	98	81	119	27	2.5	9	6	60	5.15	72	25	ND	21	141	1	66	7	41	.22	.138	62	8	.39	19	.01	8	.34	.06	.39	1	51
AU 11+00S 4+00E-R	3	16	32	11	.2	8	1	157	1.14	29	58	ND	10	2146	1	13	2	3	.20	.025	25	5	.08	116	.01	2	.20	.03	.16	1	17
AU 11+80S 3+85E-R	2	11	24	40	.4	39	5	432	1.41	28	10	ND	8	347	1	4	2	3	.90	.033	22	5	.37	82	.01	2	.27	.04	.19	1	13
AU 12+10S 0+15W-R	18	1339	330	262	9.1	15	6	1020	2.36	124	37	ND	45	960	2	1038	6	27	2.40	.074	83	6	1.11	37	.01	2	.15	.08	.17	2	740
AU 12+25S 0+00W-R	4	14	54	51	1.0	8	4	211	3.11	57	15	ND	50	213	1	33	21	24	.67	.087	63	8	.08	40	.01	4	.56	.09	.65	2	33
AU 12+80S 3+00E-R	4	10	19	21	.2	17	2	28	1.36	43	6	ND	9	46	1	9	2	3	.01	.022	21	8	.02	80	.01	2	.16	.05	.13	1	25
AU 13+00S 0+60E-R	1	91	11	118	.3	10	10	798	3.19	1118	10	ND	10	565	1	41	2	37	2.93	.189	39	8	.82	55	.01	2	.18	.11	.11	1	350
AU 14+50S 3+45W-R	1	52	40	102	.2	5	5	378	1.81	376	7	ND	7	251	1	2	2	15	1.14	.100	28	4	.36	47	.01	2	.12	.07	.06	1	115
AU 14+90S 0+00W-R	1	50	2	20	.1	116	18	313	3.08	56	5	ND	2	82	1	9	2	17	.34	.030	13	32	3.01	108	.01	5	.31	.04	.21	1	4
STD C/AU 0.5	21	59	37	136	7.2	70	29	1094	3.97	40	20	7	35	48	18	18	20	68	.48	.103	36	60	.88	180	.08	35	1.73	.09	.14	13	510

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE: 251-1011

ASSAY CERTIFICATE

1.00 GRAM SAMPLE IS DIGESTED WITH 50ML OF 3-1-2 OF HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR.
AND IS DILUTED TO 100ML WITH WATER. DETECTION FOR BASE METAL IS .01%.
- SAMPLE TYPE: ROCK CHIPS AU* 10 GRAM REGULAR ASSAY

DATE RECEIVED: AUG 30 1986 DATE REPORT MAILED: Sept 11/86 ASSAYER.. D.Toye. DEAN TOYE. CERTIFIED B.C. ASSAYER.

IMPERIAL METALS PROJECT - 4120 FILE # 86-2269 PAGE 2A

SAMPLE#	Mo %	Cu %	Pb %	Zn %	Ag OZ/T	Ni %	Co %	Mn %	Fe %	As %	U %	Th %	Cd %	Sb %	Bi %	Au OZ/T
AU TRENCH-A GRAB-1	.001	.20	.40	.04	.50	.01	.01	.01	.35	.01	.002	.01	.010	.490	.010	-
AU TRENCH-A GRAB-2	.006	2.33	.08	.34	5.00	.02	.02	.02	15.72	.45	.011	.01	.010	1.330	.010	.368
AU TRENCH-A GRAB-3	.007	1.78	1.80	1.62	3.50	.01	.01	.26	2.01	.52	.002	.01	.020	.390	.010	-
AU TRENCH-A 0-1M	.001	.14	.12	.05	.50	.01	.01	.05	1.75	.03	.002	.01	.010	.100	.010	-
AU TRENCH-A 1-2M	.017	.39	.22	.07	1.50	.01	.01	.23	1.74	.09	.002	.01	.010	.110	.010	-
AU TRENCH-A 2-3M	.011	.45	.76	.53	2.00	.01	.01	.22	1.56	.10	.002	.01	.010	.110	.010	-
AU TRENCH-A 3-4M	.004	.58	.08	.08	1.50	.01	.01	.37	1.32	.17	.002	.01	.010	.100	.010	-
AU TRENCH-A 4-5M	.010	.58	.15	.05	1.00	.01	.01	.40	3.42	.19	.003	.01	.010	.060	.010	-
AU TRENCH-A 5-6M	.004	.26	.08	.01	1.00	.01	.01	.03	7.49	.16	.003	.01	.010	.300	.010	.038
AU TRENCH-A 6-7M	.002	.20	.12	.07	.50	.01	.01	.05	7.81	.10	.003	.01	.010	.040	.010	-

IMPERIAL METALS PROJECT - 4120 FILE # 86-2127

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
A14-3K	6	62	10	74	.3	20	15	780	3.75	3	5	ND	11	565	1	2	2	107	3.69	.202	42	62	2.35	783	.19	2	.95	.05	.59	1	36
A15-7K	2	66	27	67	.4	17	22	163	6.29	141	5	ND	6	117	1	647	2	28	.42	.305	28	17	.05	25	.01	4	.14	.01	.12	1	125
A16-1K	1	67	19	106	.1	20	14	349	2.97	5	5	ND	1	58	1	13	2	31	.64	.078	5	15	.97	41	.21	2	1.29	.03	.06	1	5
A16-2K	3	28	2	46	.1	253	21	891	2.84	55	5	ND	3	341	1	30	2	91	5.24	.081	5	75	5.62	42	.01	8	.19	.02	.07	1	21
A16-3K	41	49	5	96	.9	102	15	67	3.19	505	5	ND	2	43	1	19	2	6	.19	.036	5	10	.10	31	.01	6	.17	.01	.13	1	195
A16-4K	3	87	17	72	.3	25	19	797	4.20	52	8	ND	9	775	1	2	2	29	4.00	.244	35	11	2.13	100	.01	9	.26	.02	.17	1	7
A16-5K	1	47	10	58	.1	44	23	612	5.34	10	8	ND	1	22	1	2	2	112	1.51	.081	3	114	1.74	8	.69	2	1.21	.03	.03	1	1
A16-6K	1	76	17	81	.1	8	16	999	3.87	23	6	ND	7	604	1	2	2	36	3.50	.204	42	10	1.80	127	.06	9	.52	.02	.28	1	6
A16-7K	1	14	10	91	.1	22	12	1583	16.70	17	7	ND	1	34	1	2	2	134	.22	.050	2	70	1.06	149	.19	9	2.64	.02	1.36	1	31
A16-1A	1	25	2	78	.1	11	16	1297	6.35	16	5	ND	2	42	1	2	2	141	5.76	.072	2	6	1.86	22	.42	8	1.17	.02	.04	1	4
A16-1B	1	201	12	83	.1	16	28	916	7.81	3	6	ND	1	14	1	2	2	178	.79	.126	2	7	1.32	37	.52	6	2.05	.02	.05	1	2
AU 12S 4+25E FLOAT	2	59	23	60	.2	122	29	511	5.69	140	17	ND	6	2225	1	35	2	44	3.95	.160	16	85	1.90	57	.02	1	.22	.02	.14	1	29
AU 12+10S 0+15W R	5	429	803	86	4.1	19	22	729	3.11	72	40	ND	48	817	1	648	19	23	1.01	.063	111	6	.47	37	.01	2	.13	.02	.11	1	335
AU 12+50S 20E FLOAT	44	3407	463	407	23.8	20	1	3998	1.36	901	6	ND	7	3011	4	914	10	44	14.14	.022	191	7	5.30	89	.01	417	.25	.07	.19	1	195
AU 12+75S 10E FLOAT	131	2387	414	420	39.3	10	1	4384	1.45	460	11	ND	7	2750	4	990	15	66	12.64	.040	82	3	4.66	69	.01	162	.29	.04	.22	1	290
AU 13+80S 3+50E R	3	55	46	37	.8	15	5	471	1.94	51	5	ND	9	178	1	17	2	6	.66	.033	30	8	.26	107	.01	12	.35	.03	.21	2	17
AU 13+60S 4+00E R	2	201	10	61	5.1	106	20	592	3.19	178	13	ND	8	1852	1	69	2	54	4.24	.124	29	39	2.69	86	.13	9	.42	.03	.35	1	41
AU 14+50S 4+00W AR	1	184	17	135	.1	10	21	885	3.72	740	9	ND	11	679	1	2	3	62	3.39	.230	49	10	1.26	175	.04	5	.37	.05	.25	1	170
AU 14+50S 4+00W BR	5	73	4	72	.2	76	17	598	3.20	129	5	ND	2	309	1	3	2	10	1.76	.034	6	10	1.83	50	.01	3	.16	.02	.11	1	12
AU BL 10+75S R	9	1097	1499	239	8.1	8	7	382	4.26	117	23	ND	28	326	1	909	6	66	.41	.156	75	10	.67	28	.01	7	.36	.04	.41	1	275
AU BL 16+50S R	13	73	68	52	.5	130	15	1763	4.05	28	5	ND	3	119	1	13	2	25	5.99	.043	2	17	3.23	32	.01	2	.11	.02	.09	1	39
STD C/AU 0.5	21	57	37	134	6.8	68	29	1095	3.94	42	20	8	32	47	17	15	17	62	.48	.104	38	58	.68	175	.08	38	1.72	.06	.13	12	500

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCKS/SOILS -80MESH AU# ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: AUG 30 1986 DATE REPORT MAILED: Oct 6/86 ASSAYER. D. Toye ..DEAN TOYE. CERTIFIED B.C. ASSAYER.

IMPERIAL METALS PROJECT - 4120 FILE # 86-2369 PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 1+50N 1+75E-R	1	44	70	63	.5	9	9	1021	2.67	5	5	ND	26	98	1	2	2	20	.77	.128	73	3	.08	151	.01	5	.31	.07	.17	1	2
AU 0+50N 2+50E-R	3	40	4	69	.3	9	6	805	2.48	399	5	ND	22	69	1	19	2	12	.30	.138	65	1	.02	102	.01	4	.18	.06	.06	1	205
AU 0+30N 2+60E-R	2	72	14	88	.1	8	8	730	2.75	3	5	ND	24	576	1	2	2	42	2.14	.130	64	7	.70	140	.04	2	.45	.09	.33	1	1
AU 0+00N 0+10E-A-R	1	117	17	65	.1	11	12	1026	2.80	20	5	ND	14	528	1	2	2	29	2.53	.190	37	5	1.14	58	.01	6	.54	.08	.37	1	2
AU 0+00N 0+10E-B-R	9	27	29	23	.1	7	4	170	2.40	20	5	ND	13	103	1	2	2	7	.48	.088	33	3	.18	48	.01	3	.32	.06	.20	1	2
AU 0+95S 1+75E-A-R	2	693	6351	468	8.6	7	6	413	1.92	112	15	ND	14	343	2	2701	4	7	.55	.075	27	2	.26	65	.01	2	.16	.05	.09	1	2150
AU 0+95S 1+75E-B-R	2	46	28	119	.1	8	9	654	3.05	49	15	ND	23	310	1	20	2	16	.85	.135	43	3	.43	41	.01	5	.26	.07	.14	1	8
AU 1+00S 2+65W-R	3	11	46	4	.5	10	1	32	1.58	242	5	ND	6	29	1	18	2	7	.01	.042	18	34	.02	90	.01	4	.20	.02	.34	1	160
AU 1+00S 2+00E-F	3	403	22458	535	9.8	9	5	430	1.84	178	10	4	7	206	3	8668	29	7	.37	.081	26	3	.14	55	.01	4	.19	.04	.11	1	4200
AU 1+15S 1+15W-R	4	234	136	86	.9	26	27	471	5.60	500	18	ND	16	375	1	23	2	44	1.13	.374	49	15	.88	14	.02	13	.92	.05	.74	1	34
AU 1+75S 0+90W-R	1	124	645	116	4.6	6	6	1223	2.58	222	18	ND	47	216	1	327	2	24	2.05	.075	145	4	.36	15	.01	7	1.14	.63	.67	1	41
AU 3+00S 4+00E-R	1	55	106	29	.1	8	10	571	2.30	25	5	ND	11	149	1	6	2	18	.44	.211	41	6	.06	138	.01	8	.38	.03	.18	1	1
AU 4+00S 0+15W-R	1	59	607	483	.4	3	1	324	.38	21	5	ND	4	17371	1	490	6	1	1.63	.001	53	2	.01	410	.01	2	.25	.13	.14	11	95
AU 4+90S 1+25W-R	46	64	76	60	.3	7	13	786	3.41	78	5	ND	19	489	1	14	2	23	2.61	.244	60	4	.74	76	.01	6	.25	.07	.16	1	1650
AU 8+50S 4+00W-R	1	56	49	53	.1	5	9	737	2.88	63	5	ND	8	574	1	15	2	12	3.09	.147	26	1	.40	141	.01	8	.35	.05	.24	1	34
AU 9+00S 3+00W-R	7	5	35	6	.4	4	2	40	1.80	80	11	ND	18	170	1	3	5	3	.10	.067	61	4	.03	46	.01	3	.20	.04	.14	1	6
AU 10+00S 1+45W-R	28	12	42	21	.3	20	3	113	3.11	3	26	ND	28	433	1	5	5	33	.24	.143	96	14	.48	33	.01	7	.59	.07	.46	1	5
AU 13+15S 0+85E-R	2	876	33	84	.5	26	16	833	3.96	2	5	ND	13	498	1	2	2	131	3.98	.204	34	69	2.52	806	.34	2	1.81	.10	1.86	1	20
AU 13+25S 0+95E-R	1	43	54	332	.1	11	5	422	1.96	46	5	ND	16	512	1	3243	2	13	1.41	.095	33	6	.63	50	.01	2	.14	.10	.07	1	65
AU 14+90S BL-R	1	41	20	16	.2	236	14	1037	4.38	110	15	ND	3	287	1	5	2	19	4.87	.032	3	64	4.19	19	.01	5	.20	.08	.12	1	12
AU 15+20S BL-R	4	330	21150	57	120.4	16	12	515	2.59	110	6	ND	4	90	4	93	220	13	1.96	.161	9	9	.49	18	.01	4	.14	.08	.06	1	350
AIS 7AR	1	125	39	45	1.0	17	11	95	4.31	16	5	ND	1	32	1	40014	2	17	.15	.035	6	13	.02	5	.01	3	.10	.01	.08	1	162
AIS 7BBR	1	948	1970	239	5.8	4	1	96	.57	15	5	ND	1	119	1	2391	9	2	.30	.009	3	6	.14	53	.01	2	.02	.02	.02	1	540
AIS 7CCR	2	250	116	102	1.3	6	6	505	2.85	386	14	2	23	349	1	1165	2	21	1.34	.108	45	3	.55	44	.01	3	.15	.07	.10	1	1600
GAA 177 0+10N 0+50E-R	1	53	72	94	.3	11	10	588	3.15	3	5	ND	23	188	1	24	2	96	1.20	.134	60	16	1.29	374	.20	6	1.04	.12	.98	1	4
GAA 177 0+10N 0+60E-R	1	63	172	256	.3	9	8	816	2.78	100	5	ND	22	740	1	103	2	54	2.01	.123	40	10	1.12	57	.08	4	.65	.11	.57	1	150
GAA 177 0+20S 0+15E-R	14	114	8077	3293	10.3	7	6	512	2.81	91	19	5	20	459	14	3426	19	11	.98	.131	35	1	.44	31	.01	5	.28	.06	.19	1	2900
GAA 177 0+20S 0+30E-A-R	2	45	565	66	.8	4	4	160	1.45	29	6	ND	13	51	1	125	2	5	.05	.060	35	3	.02	99	.01	2	.20	.03	.08	1	265
GAA 177 0+20S 0+30E-B-R	3	62	73	104	.3	10	12	1133	3.41	30	15	ND	23	319	1	34	2	13	.84	.145	48	1	.23	48	.01	6	.27	.06	.14	1	110
GAA 177 0+20S 0+70E-F	15	25	101	22	.3	6	5	32	2.94	53	8	ND	22	116	1	19	6	11	.13	.164	43	1	.06	21	.01	6	.32	.06	.20	1	46
GAB 4+50N 6+75E-R	1	3	22	13	.1	14	1	182	.72	17	5	ND	8	42	1	12	2	3	.27	.033	12	7	.07	72	.01	2	.09	.06	.04	1	3
GAB 4+50N 6+75E-R(A)	1	9	70	16	.4	16	2	210	.90	31	5	ND	12	43	1	24	2	3	.39	.031	17	7	.07	72	.01	2	.13	.07	.06	1	7
GAB 3+50N 7+75E-A-R	1	1536	9066	498	85.3	9	3	482	1.12	62	5	3	8	162	3	3335	6	5	.90	.078	17	6	.36	58	.01	2	.13	.08	.09	34	2750
GAB 3+50N 7+75E-B-R	1	41	97	74	2.4	8	5	424	1.73	69	5	ND	12	145	1	30	2	6	1.01	.068	18	5	.30	78	.01	3	.17	.08	.10	1	260
GAB 2+00N 8+75E-R	1	61	29	122	.2	22	10	1255	2.50	13	8	ND	20	91	1	12	2	32	.47	.146	66	11	.21	241	.04	5	1.50	.06	.30	1	1
GAD 2T6R	35	2406	24	273	209.9	3	1	1413	.40	153	5	ND	3	6296	1	1434	4	53	25.51	.018	4	8	5.63	133	.01	2	.13	.11	.01	1	1450
STD C/AU-0.5	19	59	38	137	7.2	70	29	1109	3.96	41	19	8	35	49	18	16	18	68	.47	.106	35	60	.88	184	.08	34	1.73	.09	.13	13	500

Sb ✓ From 10 x dilution

IMPERIAL METALS PROJECT - 4120 FILE # 94-2269

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU TRENCH-A GRAB-1	2	2013	4022	399	17.2	11	1	115	.39	124	5	ND	1	121	4	3241	39	2	.24	.002	4	7	.07	149	.01	6	.01	.02	.01	1	8[illegible]
AU TRENCH-A GRAB-2	75	22944	784	3449	168.4	189	78	148	16.02	4696	69	13	31	63	40	8199	32	49	.13	.058	19	1	.04	2	.01	2	.07	.04	.06	1	121[illegible]
AU TRENCH-A GRAB-3	66	16358	15437	14001	110.7	18	4	2719	1.72	4924	9	ND	3	819	196	2846	43	28	9.28	.016	75	1	1.56	14	.01	5	.11	.07	.05	1	72[illegible]
AU TRENCH-A 0-1M	10	1365	1125	445	9.8	20	5	584	1.65	338	12	ND	22	70	6	1030	16	14	.31	.037	25	15	.09	384	.01	6	.15	.03	.08	1	480
AU TRENCH-A 1-2M	188	3749	1990	654	48.9	18	4	2404	1.55	867	14	ND	14	700	9	1084	16	25	2.82	.029	415	7	.82	26	.01	6	.09	.05	.02	1	75[illegible]
AU TRENCH-A 2-3M	122	4314	6638	4783	67.7	12	4	2214	1.36	983	13	ND	8	1081	56	1086	26	31	4.89	.022	269	4	1.90	20	.01	11	.13	.06	.07	1	300
AU TRENCH-A 3-4M	43	5675	736	806	49.3	13	3	3872	1.22	1732	5	ND	8	2771	9	967	13	51	9.61	.019	261	11	4.06	54	.01	72	.32	.12	.26	1	240
AU TRENCH-A 4-5M	107	5653	1287	527	29.1	12	8	4115	2.97	1861	16	ND	27	3004	7	552	17	36	12.94	.042	506	2	3.45	29	.01	4	.12	.09	.08	1	580
AU TRENCH-A 5-6M	47	2631	737	152	30.9	6	5	269	7.21	1704	37	ND	55	333	3	2525	13	33	.22	.228	114	3	.06	59	.01	2	.22	.03	.36	3	1295
AU TRENCH-A 6-7M	23	1908	1069	615	15.1	17	11	463	7.00	922	22	ND	36	187	3	408	15	78	.15	.108	137	13	.66	101	.01	7	.59	.04	.62	1	240
STD C/AU-0.5	21	59	38	137	7.0	70	29	1100	3.95	39	18	7	35	48	18	16	20	68	.48	.103	36	61	.88	181	.08	34	1.72	.09	.14	12	500

—Assay required for correct result for Ag > 34 PPM
Sb > 1000 PPM
Cu, Pb, Zn > 10,000 PPM

IMPERIAL METALS PROJECT - 4120 FILE #. 86-2369

PAGE -

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 0+00 3+75S	58	279	574	343	3.4	32	43	6745	10.79	2285	26	ND	79	169	1	261	5	50	.10	.271	168	16	.26	270	.02	2	1.20	.05	.17	14	1700
AU 0+00 4+25S	82	160	481	258	1.8	22	27	3351	8.48	1107	23	2	56	233	1	234	4	35	.04	.222	123	13	.19	185	.01	2	1.11	.06	.22	27	580
AU 0+00 4+75S	14	57	147	122	2.0	10	6	584	3.58	256	13	ND	7	148	1	58	4	22	.22	.175	114	13	.18	142	.01	6	.58	.04	.11	1	160
AU 0+00 5+25S	5	39	73	75	.6	66	3	95	.53	28	18	ND	2	334	1	14	2	44	.72	.132	21	168	.40	294	.01	3	.98	.03	.03	1	26
AU 0+00 5+75S	24	15	33	32	.8	6	1	39	.85	39	5	ND	3	40	1	4	2	36	.02	.029	44	14	.10	116	.03	2	.74	.01	.04	1	95
AU 0+00 6+25S	10	85	17	135	1.2	696	42	947	5.62	86	12	ND	2	219	1	6	2	128	.26	.063	9	718	5.80	225	.08	7	2.69	.04	.08	1	18
AU 0+00 6+75S	9	129	47	341	.7	564	36	985	5.20	115	9	ND	3	145	1	6	2	106	.52	.089	15	626	4.36	205	.05	9	2.33	.04	.10	1	22
AU 0+00 7+25S	8	50	20	140	.2	383	29	1017	5.38	111	5	ND	3	45	1	5	2	117	.10	.068	14	475	3.67	59	.05	4	2.41	.03	.08	1	24
AU 0+00 7+75S	5	43	32	107	.3	21	13	446	4.36	31	5	ND	5	30	1	3	2	119	.05	.109	37	45	.61	180	.11	6	1.49	.03	.20	1	3
AU 0+00 8+25S	3	31	25	129	.2	13	13	538	4.46	11	5	ND	6	56	1	2	2	107	.28	.193	43	45	1.36	271	.20	5	1.71	.05	.48	2	1
AU 0+00 8+75S	60	77	49	71	.7	25	6	222	4.16	289	5	ND	3	62	1	22	2	57	.04	.168	49	34	.30	122	.01	4	.96	.02	.13	1	38
AU 0+00 9+00S	2	18	13	97	.3	11	8	140	2.68	11	11	ND	5	172	1	5	2	90	.52	.165	48	37	1.08	247	.16	6	1.85	.04	.40	1	6
AU 0+00 9+25S	36	17	44	52	1.2	10	3	145	1.73	31	5	ND	4	46	1	9	4	57	.04	.068	60	31	.22	84	.07	3	.96	.02	.08	1	12
AU 0+00 9+75S	25	63	109	123	.8	94	13	704	6.64	93	5	ND	4	50	1	28	3	122	.09	.213	42	140	1.16	123	.04	2	1.52	.03	.11	1	26
AU 0+00 10+25S	10	99	30	129	.5	254	21	699	7.14	154	5	ND	3	15	1	23	2	100	.03	.075	12	427	2.71	87	.08	2	2.69	.03	.09	1	60
AU 0+00 10+75S	26	264	861	114	9.9	46	5	300	6.07	308	15	ND	5	155	1	513	2	75	.09	.187	77	66	.43	147	.01	4	.87	.02	.11	1	335
AU 0+00 11+25S	259	202	238	99	2.3	15	6	643	2.37	288	22	3	4	697	1	227	8	64	.16	.126	67	32	.45	317	.01	7	.75	.02	.23	1	2500
AU 0+00 11+75S	16	56	37	101	2.3	97	12	491	5.69	87	5	ND	5	23	1	15	2	101	.07	.116	18	142	1.34	101	.11	7	1.91	.03	.10	1	40
AU 0+00 12+25S	14	21	128	129	1.4	11	5	398	5.58	58	5	ND	5	153	1	100	69	41	.09	.192	46	9	.05	340	.01	5	.26	.02	.07	1	32
AU 0+00 12+75S	79	144	238	206	1.3	41	11	1080	8.73	166	6	ND	15	62	1	196	11	85	.09	.212	81	75	.27	74	.03	2	.84	.03	.05	123	80
AU 0+00 13+25S	74	108	863	206	4.1	106	19	2005	6.40	86	5	ND	16	30	1	168	4	97	.08	.166	56	163	1.32	169	.08	4	1.73	.03	.12	1	85
AU 0+00 13+75S	6	169	67	130	1.1	349	37	1373	6.90	102	5	ND	4	71	1	12	2	160	.44	.070	13	344	3.64	310	.14	3	2.26	.05	.50	1	65
AU 0+00 14+25S	4	117	41	142	1.5	289	25	1094	6.15	87	5	ND	3	90	1	13	2	167	.53	.073	13	329	3.85	381	.12	3	2.41	.05	.32	1	40
AU 0+00 6+25E	3	29	38	110	.2	24	9	316	3.29	18	8	ND	8	84	1	7	2	95	.12	.083	48	51	1.00	193	.11	7	1.29	.04	.21	1	7
AU 0+00 6+50E	3	22	23	70	.1	9	4	93	2.13	18	5	ND	3	45	1	2	2	58	.03	.061	40	16	.19	65	.03	4	.64	.02	.11	1	8
AU 0+00 6+75E	2	11	14	51	.1	7	3	201	1.41	62	5	ND	3	23	1	9	2	27	.03	.052	32	7	.07	41	.01	4	.25	.01	.06	1	5
AU 0+00 7+00E	1	7	2	35	.1	4	1	41	.61	11	5	ND	2	24	1	2	2	17	.01	.030	38	6	.06	47	.01	3	.28	.01	.04	1	10
AU 0+00 7+25E	2	15	13	54	.2	5	4	243	1.12	55	5	ND	3	40	1	4	2	23	.04	.063	41	8	.10	97	.01	3	.37	.01	.11	1	5
AU 0+00 7+50E	1	2	2	22	.2	3	1	5	.26	17	5	ND	3	6	1	2	2	4	.01	.013	24	3	.01	15	.01	2	.07	.01	.02	1	3
AU 0+00 7+75E	1	2	2	29	.2	5	1	16	.57	56	5	ND	2	12	1	9	2	5	.01	.021	25	3	.01	19	.01	2	.08	.01	.02	1	2
AU 0+00 8+00E	1	7	2	41	.1	3	1	26	.66	27	5	ND	3	19	1	2	2	16	.01	.022	31	3	.08	26	.01	3	.18	.01	.06	1	36
AU 0+00 8+25E	1	4	2	24	.4	2	1	18	.39	18	5	ND	2	15	1	2	2	6	.01	.024	31	4	.02	29	.01	2	.13	.01	.04	1	22
AU 0+00 8+50E	1	7	2	32	.1	2	1	423	.66	35	5	ND	5	14	1	2	2	18	.01	.031	45	3	.03	30	.01	2	.21	.01	.05	1	8
AU 0+00 8+75E	1	8	3	39	.2	3	1	101	.83	15	5	ND	2	16	1	6	2	20	.01	.038	37	5	.02	39	.01	3	.18	.01	.04	1	8
AU 0+00 9+00E	1	43	13	115	.3	12	10	503	2.63	15	9	ND	12	68	1	4	2	96	.19	.046	34	17	1.39	70	.20	6	1.29	.04	.52	1	9
AU 0+00 9+25E	1	3	6	26	.4	3	1	19	.26	18	5	ND	3	25	1	2	2	16	.02	.026	42	13	.07	54	.01	2	.60	.01	.05	1	6
STD C/AU-0.5	21	60	37	139	7.3	70	29	1114	3.96	40	17	7	35	49	18	15	19	69	.48	.105	36	61	.88	184	.09	36	1.73	.09	.15	12	515

IMPERIAL METALS PROJECT - 4120 FILE # 86-2769

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 0+00 9+50E	1	1	3	29	.6	1	1	19	..16	13	6	ND	3	10	1	3	2	3	.01	.022	30	1	.01	18	.01	2	.11	.01	.02	1	18
AU 0+00 9+75E	4	20	39	41	.5	65	5	102	1.82	381	5	ND	2	22	1	24	2	45	.02	.036	21	61	.11	53	.02	2	.33	.01	.05	1	379
AU 0+00 10+00E	2	50	8	93	.6	179	16	1412	4.34	190	8	ND	1	257	1	10	3	138	.68	.120	11	210	2.51	211	.07	6	2.52	.04	.05	1	5
AU 0+00 10+25E	6	51	22	147	.8	236	33	7073	4.63	301	10	ND	1	312	1	26	3	83	.85	.222	14	186	.95	437	.02	9	1.71	.04	.05	1	9
AU 0+00 10+50E	1	29	4	107	.1	205	19	584	4.33	66	5	ND	1	112	1	7	2	116	.46	.040	7	314	3.32	129	.17	8	2.32	.05	.04	1	3
AU 0+00 10+75E	1	32	10	102	.2	205	22	1049	4.27	99	6	ND	1	122	1	6	2	116	.46	.063	10	301	2.88	137	.12	8	2.21	.04	.04	1	4
AU 0+00 11+00E	5	70	14	112	1.9	217	22	1319	5.82	128	9	ND	1	215	1	7	2	120	.64	.323	19	319	1.57	152	.02	10	3.52	.04	.09	1	26
AU 0+00 11+25E	8	59	11	151	2.1	184	47	4347	4.75	171	5	ND	1	96	1	12	2	69	.31	.280	12	213	.68	99	.02	9	2.45	.03	.07	1	3
AU 0+00 11+50E	4	45	7	90	.3	121	12	360	3.32	174	5	ND	1	15	1	5	3	84	.04	.082	12	90	.16	57	.01	4	1.10	.01	.04	1	5
AU 0+00 11+75E	3	54	11	109	.5	176	15	357	4.67	358	5	ND	2	7	1	9	2	127	.04	.080	11	177	.78	55	.07	8	1.68	.02	.08	1	9
AU 0+00 12+00E	1	22	6	53	.2	53	5	180	2.07	110	5	ND	2	7	1	8	3	79	.03	.045	14	64	.17	45	.02	2	1.24	.01	.05	1	6
AU 0+00 12+25E	9	88	12	138	.6	235	27	604	6.56	437	5	ND	1	10	1	17	2	72	.02	.113	8	59	.20	53	.01	8	1.30	.02	.06	1	26
AU 0+00 12+50E	1	24	22	63	.2	63	8	296	3.63	87	5	ND	2	20	1	6	2	86	.08	.069	21	108	.81	69	.08	5	1.31	.02	.07	1	10
AU 0+00 12+75E	1	18	9	54	.5	68	7	332	2.74	43	5	ND	1	9	1	7	2	87	.09	.071	8	122	.74	61	.10	3	1.10	.02	.04	1	6
AU 0+00 13+00E	1	22	6	67	.1	109	11	624	4.76	61	5	ND	1	8	1	6	2	135	.13	.094	6	164	1.09	87	.18	8	1.52	.03	.02	1	6
AU 0+00 13+25E	1	44	8	84	.2	142	23	2864	3.83	23	5	ND	1	8	1	6	2	105	.12	.076	7	145	1.07	92	.15	6	1.41	.03	.03	1	1
AU 0+00 13+50E	3	79	8	90	.2	232	21	634	4.01	43	5	ND	1	23	1	8	2	87	.27	.049	6	171	1.55	124	.13	6	1.59	.04	.04	1	3
AU 0+00 13+75E	1	67	7	88	.3	208	16	379	3.65	46	5	ND	1	18	1	5	2	72	.19	.059	4	189	1.44	80	.14	7	2.64	.04	.04	1	2
AU 0+00 14+00E	2	54	11	99	.2	191	18	822	3.05	36	5	ND	1	128	1	2	2	67	.69	.065	7	149	1.39	89	.09	5	1.60	.05	.06	1	7
AU 0+00 14+25E	4	62	7	127	.5	213	32	2793	4.10	61	5	ND	1	104	1	7	2	80	.36	.082	8	218	1.38	125	.08	7	1.76	.04	.03	1	3
AU 0+00 14+50E	4	86	10	106	.5	296	28	930	3.53	47	12	ND	1	190	1	2	2	71	1.04	.082	7	176	1.83	107	.10	7	1.61	.06	.08	1	10
AU 0+00 14+75E	2	72	6	97	.2	280	24	530	3.33	50	6	ND	1	142	1	5	2	64	.78	.050	4	168	1.72	79	.10	5	1.60	.06	.04	1	9
AU 0+00 15+00E	4	44	9	96	.1	166	13	322	3.39	36	5	ND	1	32	1	6	2	75	.28	.039	5	161	1.27	69	.11	5	1.35	.04	.03	1	5
AU 0+00 15+25E	3	26	9	113	.6	27	5	342	4.16	9	5	ND	1	48	1	2	2	94	.38	.052	4	49	.80	75	.27	7	2.14	.03	.03	1	1
AU 0+00 15+50E	3	61	6	144	2.3	65	16	405	5.54	36	5	ND	1	24	1	6	2	68	.14	.123	8	91	.92	86	.08	7	4.05	.03	.05	1	2
AU 0+00 15+75E	2	28	7	100	.7	113	10	369	2.86	34	5	ND	1	14	1	8	2	84	.20	.084	4	167	1.18	87	.08	2	1.37	.04	.04	1	2
AU 0+00 16+00E	2	43	9	94	.3	144	13	371	3.50	46	5	ND	1	18	1	7	2	82	.22	.057	6	147	1.19	85	.11	5	1.41	.04	.04	1	3
AU 4+00S 3+75W	1	108	44	207	1.1	158	17	760	10.56	600	5	ND	2	40	1	8	2	128	.07	.085	14	166	.58	75	.04	2	.99	.04	.03	1	180
AU 4+00S 3+50W	1	96	27	115	1.5	194	22	1043	8.20	361	5	ND	2	40	1	9	2	168	.01	.050	10	301	1.15	56	.08	3	1.81	.03	.04	1	58
AU 4+00S 3+25W	4	40	19	123	.3	172	13	812	5.42	119	5	ND	1	21	1	5	2	175	.02	.082	13	350	1.13	125	.02	7	1.68	.02	.06	1	33
AU 4+00S 3+00W	4	25	26	114	.8	66	7	242	3.11	47	5	ND	2	40	1	8	2	90	.05	.132	20	147	.71	81	.03	4	1.56	.02	.07	1	20
AU 4+00S 2+75W	8	28	53	85	.1	44	7	507	5.92	82	5	ND	3	47	1	9	5	102	.03	.191	33	135	.61	112	.09	9	1.84	.03	.09	1	10
AU 4+00S 2+50W	13	71	78	135	2.8	101	10	285	3.68	75	5	ND	4	46	1	9	5	40	.13	.150	32	166	.67	57	.04	4	5.14	.02	.04	1	67
AU 4+00S 2+25W	4	19	31	74	.7	45	5	251	2.04	46	5	ND	2	36	1	2	3	41	.04	.104	34	116	.42	66	.02	2	.93	.02	.06	1	17
AU 4+00S 2+00W	10	29	59	75	.7	36	5	202	2.70	56	5	ND	2	58	1	8	3	65	.04	.092	30	94	.56	113	.06	3	1.34	.02	.06	1	16
AU 4+00S 1+50W	121	107	219	155	1.6	25	15	1480	7.03	226	16	ND	28	339	1	9	5	19	.10	.295	92	10	.11	78	.01	8	.56	.07	.32	1	34
STD C/AU-0.5	20	63	41	137	7.0	73	30	1165	3.98	40	17	8	37	52	19	18	22	72	.48	.110	39	62	.88	183	.09	36	1.73	.09	.15	13	480

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 4+00S 1+25W	57	117	245	179	1.9	16	13	1637	6.83	206	21	ND	51	256	1	30	7	22	.10	.202	121	4	.09	121	.01	3	.50	.07	.25	1	65
AU 4+00S 1+00W	68	142	279	189	2.0	14	15	1701	8.71	260	24	ND	62	327	1	44	7	28	.09	.247	127	7	.09	91	.01	2	.55	.09	.29	1	78
AU 4+00S 0+50W	75	170	499	277	1.7	25	25	3279	9.15	995	25	3	62	251	1	217	8	39	.06	.225	153	13	.20	208	.02	2	1.17	.07	.20	32	540
AU 4+00S 0+25W	49	122	327	193	1.4	16	18	2253	6.79	781	15	ND	51	214	1	156	7	29	.07	.191	100	8	.18	262	.01	4	.74	.05	.19	11	400
AU 4+00S 0+00W	60	128	339	221	1.2	17	20	2445	7.49	820	22	ND	50	236	1	138	6	30	.06	.208	117	10	.19	205	.01	3	.93	.06	.21	12	480
AU 4+50S 4+50W	4	49	36	156	.4	1250	62	1006	4.76	800	8	ND	4	374	2	2	4	149	1.27	.024	12	912	5.92	135	.21	6	2.67	.05	.78	1	29
AU 4+50S 4+25W	3	77	74	216	.3	899	60	1219	6.40	243	5	ND	2	219	1	2	8	203	1.12	.033	6	757	7.83	209	.27	2	3.83	.06	.96	1	8
AU 4+50S 4+00W	2	69	22	112	.2	524	40	1121	6.30	117	5	ND	3	216	1	2	4	211	1.08	.058	6	540	6.18	252	.27	2	3.34	.06	.73	1	6
AU 4+50S 3+75W	3	87	32	143	.2	551	42	1246	6.65	146	5	ND	3	145	1	2	4	180	.66	.073	13	528	5.32	204	.21	2	2.97	.05	.47	2	8
AU 4+50S 3+50W	3	67	26	156	.2	376	38	1593	5.91	111	5	ND	2	140	1	2	6	177	.73	.091	12	430	4.48	152	.17	3	2.74	.06	.20	1	5
AU 4+50S 3+25W	2	70	27	133	.2	696	47	1076	6.14	156	5	ND	2	93	1	2	6	188	.55	.051	7	650	6.81	153	.25	5	3.53	.05	.61	1	7
AU 4+50S 3+00W	3	80	15	132	.1	444	33	948	5.25	91	5	ND	2	30	1	2	5	152	.08	.052	11	564	4.09	62	.11	5	2.68	.04	.14	2	12
AU 4+50S 2+75W	13	34	68	80	.6	25	4	143	4.47	82	5	ND	4	71	1	10	8	86	.02	.126	50	78	.36	174	.02	6	1.76	.03	.09	1	45
AU 4+50S 2+50W	8	28	96	60	.6	86	7	405	4.55	118	5	ND	4	59	1	9	7	78	.05	.131	35	245	1.02	108	.04	6	1.50	.03	.06	1	27
AU 4+50S 2+25W	12	45	91	85	.5	36	9	290	4.20	87	5	ND	4	89	1	13	5	91	.03	.135	50	61	.31	206	.05	7	1.02	.03	.12	1	18
AU 4+50S 2+00W	12	74	82	185	.4	218	23	632	5.74	202	5	ND	4	53	1	4	6	103	.25	.083	33	288	1.66	119	.08	5	2.31	.04	.06	1	32
AU 4+50S 1+75W	5	54	76	125	.4	209	27	1515	4.67	126	5	ND	3	49	1	6	5	98	.17	.116	32	312	2.14	94	.06	8	1.83	.03	.05	1	40
AU 4+50S 1+50W	46	181	123	118	3.3	70	16	967	5.04	160	13	ND	9	206	1	12	4	28	.17	.359	101	78	.45	247	.01	9	2.04	.05	.20	1	32
AU 4+50S 1+25W	30	46	177	85	.9	21	23	2041	3.76	110	7	ND	4	189	1	13	5	29	.04	.157	60	22	.13	307	.01	8	.44	.05	.21	1	25
AU 4+50S 1+00W	8	44	71	91	.5	111	15	1013	4.82	72	5	ND	3	33	1	2	5	102	.08	.080	26	258	1.87	123	.14	7	1.86	.03	.06	1	51
AU 4+50S 0+75W	20	43	147	80	6.5	19	17	1184	3.28	81	10	ND	6	118	1	14	6	33	.08	.115	74	51	.33	182	.01	9	.97	.03	.12	1	70
AU 4+50S 0+50W	32	241	251	139	11.2	16	6	690	5.87	431	62	ND	9	135	1	108	5	24	.12	.221	80	21	.14	236	.01	6	.84	.04	.11	2	195
AU 4+50S 0+25W	52	102	331	180	1.7	17	15	1825	6.52	765	12	ND	16	174	1	151	6	30	.05	.187	109	12	.18	281	.01	6	.85	.05	.16	25	330
AU 6+00S 4+25W	6	153	53	180	1.7	325	42	1692	7.80	209	7	ND	8	168	1	7	3	102	.45	.161	34	259	2.20	209	.10	2	1.71	.04	.22	1	82
AU 6+00S 4+00W	4	100	23	139	.4	709	51	1362	5.78	84	5	ND	4	50	1	2	4	137	.45	.069	13	744	5.96	66	.15	8	2.92	.05	.19	1	58
AU 6+00S 3+75W	4	88	18	124	.1	910	56	1231	5.37	64	5	ND	2	52	1	2	5	134	.51	.061	10	805	7.01	66	.13	12	2.80	.05	.19	1	19
AU 6+00S 3+50W	3	30	18	97	.3	189	14	328	3.75	57	5	ND	1	19	1	2	4	133	.12	.051	12	396	2.52	55	.10	7	1.72	.03	.05	2	24
AU 6+00S 3+25W	2	74	10	91	.1	1082	60	963	4.82	58	5	ND	3	46	1	2	5	119	.49	.048	7	901	7.54	49	.12	13	2.56	.05	.14	1	10
AU 6+00S 3+00W	3	66	19	126	.2	523	47	1264	5.65	64	5	ND	2	22	1	2	5	153	.23	.066	10	700	5.50	55	.13	8	2.77	.04	.08	1	14
AU 6+00S 2+75W	3	52	14	111	.1	554	40	1096	4.84	39	5	ND	1	23	1	2	4	131	.27	.070	8	692	5.78	56	.08	12	2.57	.04	.11	1	6
AU 6+00S 2+50W	3	71	14	123	.2	764	43	1231	5.77	71	5	ND	2	48	1	2	6	144	.34	.063	13	745	5.86	71	.09	10	2.82	.04	.07	2	8
AU 6+00S 2+25W	2	48	12	111	.1	732	49	797	5.84	57	5	ND	2	24	1	2	6	130	.10	.052	11	864	6.10	56	.07	12	2.82	.04	.06	3	5
AU 6+00S 2+00W	1	68	13	117	.1	721	37	771	5.76	82	5	ND	2	29	1	2	5	141	.16	.045	10	845	5.75	76	.08	8	2.96	.04	.06	1	17
AU 6+00S 1+75W	2	36	18	132	.1	326	26	787	4.20	51	5	ND	1	40	1	3	4	112	.14	.110	12	529	3.76	72	.04	9	2.23	.04	.07	1	9
AU 6+00S 1+50W	2	71	9	122	.2	521	41	1204	5.80	84	5	ND	3	35	1	2	6	149	.24	.064	12	658	5.59	60	.11	11	2.80	.04	.09	1	20
AU 6+00S 1+25W	2	44	14	129	.1	323	29	1072	4.92	58	5	ND	2	26	1	2	5	133	.12	.073	12	485	3.94	63	.06	9	2.18	.04	.10	1	14
STD C/AU-0.5	19	62	42	141	7.1	72	30	1142	3.98	38	16	7	37	51	18	18	21	71	.48	.108	39	61	.88	182	.09	38	1.73	.09	.12	12	500

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SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 6+00S 1+00W	2	41	9	112	.2	422	35	901	4.92	64	5	ND	1	18	1	5	3	131	.07	.053	7	626	4.74	49	.07	8	2.48	.04	.06	3	18
AU 6+00S 0+75W	3	52	11	120	.1	484	40	1123	5.39	78	5	ND	1	29	1	12	4	136	.16	.054	7	600	4.84	72	.07	12	2.36	.04	.07	2	8
AU 6+00S 0+50W	5	42	12	108	.1	460	37	763	4.94	71	5	ND	1	74	1	13	4	120	.13	.050	8	656	4.90	68	.06	9	2.30	.04	.05	3	16
AU 6+00S 0+25W	29	43	82	74	.4	161	13	643	4.77	141	5	ND	4	72	1	14	6	109	.05	.065	34	295	1.16	304	.12	5	1.15	.03	.06	1	95
AU 6+00S 0+25E	103	1062	219	4898	.4	4125	184	48205	3.31	309	51	3	15	33	14	65	5	56	.25	.269	220	203	1.01	305	.04	7	8.20	.04	.03	1	74
AU 6+00S 0+50E	31	64	107	118	1.4	51	3	497	1.92	53	5	ND	2	43	1	22	5	39	.02	.058	49	33	.17	154	.01	5	.97	.01	.05	1	51
AU 6+00S 0+75E	8	27	62	108	.1	35	9	954	3.12	42	5	ND	3	85	1	11	4	52	.11	.159	43	78	.70	217	.03	7	1.05	.03	.12	1	75
AU 6+00S 1+00E	62	138	207	136	2.5	30	6	593	5.26	102	5	ND	3	56	1	68	7	53	.02	.113	32	77	.44	166	.02	6	1.36	.02	.10	1	81
AU 6+00S 1+25E	49	60	241	94	1.7	13	3	210	2.49	56	5	ND	3	50	1	42	6	51	.01	.077	45	28	.15	155	.01	5	1.01	.02	.08	1	36
AU 6+00S 1+50E	19	23	122	57	1.1	8	1	226	1.36	28	5	ND	4	44	1	15	5	36	.01	.047	63	21	.15	145	.02	4	.70	.01	.08	1	30
AU 6+00S 1+75E	31	82	254	489	2.1	35	7	2450	3.39	63	11	ND	4	193	1	45	5	47	.23	.096	61	46	.56	298	.03	9	1.67	.03	.18	1	127
AU 6+00S 2+00E	17	37	62	291	.2	85	18	1412	5.26	60	5	ND	5	67	1	11	4	93	.22	.125	29	182	1.57	124	.13	6	1.72	.03	.14	1	30
AU 6+00S 2+25E	9	27	72	126	.9	90	9	338	3.36	33	6	ND	3	30	1	9	2	81	.10	.067	27	221	1.46	141	.09	6	1.53	.03	.06	1	27
AU 6+00S 2+50E	11	69	93	150	.8	147	14	1145	4.37	60	20	ND	3	208	1	16	3	75	.72	.116	37	160	1.43	234	.06	7	1.63	.04	.09	1	32
AU 6+00S 2+75E	8	66	727	239	.4	13	11	1121	5.22	176	5	ND	5	76	1	725	6	65	.09	.172	49	21	.17	217	.02	7	.84	.02	.08	32	680
AU 6+00S 3+00E	47	66	113	92	1.8	12	3	174	3.80	83	5	ND	3	47	1	44	6	49	.02	.106	38	32	.21	125	.02	8	.99	.02	.07	1	22
AU 6+00S 3+25E	5	28	45	103	.1	10	8	1166	2.53	23	5	ND	4	53	1	7	3	40	.06	.098	65	14	.18	171	.02	5	.74	.02	.16	1	17
AU 6+00S 3+50E	6	16	57	66	.1	13	4	129	2.40	34	5	ND	6	79	1	7	5	63	.05	.076	61	30	.23	200	.06	5	.92	.02	.10	1	21
AU 6+00S 3+75E	10	38	78	108	2.6	11	9	298	4.26	42	5	ND	6	90	1	10	3	84	.04	.128	52	26	.71	193	.12	6	1.21	.04	.21	1	14
AU 6+00S 4+00E	9	39	67	128	.3	15	12	1069	4.80	73	5	ND	8	110	1	10	2	79	.14	.155	52	28	.82	291	.11	5	1.25	.04	.30	1	15
AU 6+00S 4+25E	7	49	57	100	.8	32	10	392	4.62	75	7	ND	9	67	1	9	2	93	.09	.137	38	74	1.17	149	.12	6	1.51	.04	.15	1	32
AU 6+00S 4+50E	13	45	120	97	.3	25	9	318	5.29	105	8	ND	10	146	1	14	5	70	.07	.218	54	49	.47	228	.06	7	1.04	.04	.19	1	10
AU 6+00S 4+75E	27	48	120	96	1.4	12	8	267	5.71	131	11	ND	9	190	1	20	5	53	.04	.232	63	16	.27	294	.03	5	.85	.04	.18	1	36
AU 6+00S 5+00E	20	49	117	108	1.0	25	10	1077	5.56	109	5	ND	8	140	1	23	4	54	.07	.259	54	40	.44	253	.04	6	1.16	.04	.16	1	36
AU 6+00S 5+25E	34	53	152	101	.7	18	7	292	5.36	155	9	ND	8	215	1	26	7	54	.05	.179	56	29	.47	287	.04	8	1.03	.04	.22	1	80
AU 6+00S 5+50E	9	24	22	66	.1	10	6	100	2.32	87	5	ND	7	37	1	14	4	49	.02	.062	66	13	.10	95	.02	6	.68	.01	.07	1	137
AU 6+00S 5+75E	7	41	28	108	.3	90	13	577	6.31	177	5	ND	6	30	1	17	2	162	.04	.204	24	116	1.53	81	.14	4	1.80	.03	.08	1	24
AU 6+00S 6+00E	3	26	23	70	.9	94	9	264	4.30	147	5	ND	5	16	1	19	2	129	.02	.074	18	121	1.44	59	.15	7	1.64	.03	.05	1	20
AU 6+50S 4+50W	3	70	36	136	.1	426	38	1748	6.48	64	5	ND	3	96	1	2	2	147	.27	.087	22	581	4.49	74	.07	7	2.93	.04	.07	1	21
AU 6+50S 4+25W	4	98	27	130	.2	553	45	1492	6.39	78	6	ND	5	129	1	7	3	121	.40	.135	25	528	4.54	125	.07	6	2.24	.04	.12	1	17
AU 6+50S 4+00W	2	96	9	128	.1	613	45	1547	6.16	77	5	ND	2	22	1	8	4	178	.24	.051	8	647	5.93	90	.14	2	3.38	.04	.27	1	7
AU 6+50S 3+75W	2	83	9	133	.1	481	40	1468	5.95	54	5	ND	1	13	1	5	4	174	.11	.055	7	573	5.76	79	.11	4	3.49	.04	.18	1	5
AU 6+50S 3+50W	2	91	11	138	.1	556	43	1819	6.18	55	5	ND	2	12	1	3	5	174	.10	.067	8	627	6.09	86	.09	3	3.59	.04	.19	1	7
AU 6+50S 3+25W	3	80	10	104	.1	774	50	1186	5.23	71	5	ND	3	45	1	5	4	133	.37	.066	11	667	6.49	80	.09	10	2.60	.05	.20	1	17
AU 6+50S 3+00W	3	78	12	119	.2	855	46	1301	5.39	62	5	ND	2	52	1	5	4	131	.42	.067	10	718	6.68	76	.08	10	2.65	.05	.16	1	7
STD C/AU-0.5	20	62	40	142	6.9	74	30	1153	3.98	41	17	8	36	51	19	17	21	71	.48	.110	38	62	.88	180	.09	36	1.73	.09	.14	13	520

IMPERIAL METALS PROJECT - 4120 FILE # 86-2369

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 6+50S 2+75W	2	49	10	118	.1	520	41	1850	5.71	69	5	ND	1	29	1	2	2	140	.19	.059	6	783	5.56	54	.08	4	2.90	.04	.13	1	8
AU 6+50S 2+50W	3	57	13	117	.1	549	38	933	5.20	52	5	ND	1	32	1	2	4	124	.19	.072	10	639	5.17	58	.06	7	2.38	.04	.08	1	6
AU 6+50S 2+25W	3	48	12	128	.6	417	29	651	5.37	69	5	ND	1	29	1	2	2	124	.15	.083	11	613	4.60	60	.05	6	2.61	.03	.05	1	7
AU 6+50S 2+00W	2	69	13	132	.4	388	28	874	5.34	84	5	ND	2	41	1	2	2	128	.23	.078	14	522	4.58	59	.07	4	2.67	.04	.09	1	19
AU 6+50S 1+75W	3	72	18	129	.4	460	30	905	5.53	104	5	ND	2	58	1	2	3	123	.33	.077	14	513	4.09	94	.05	4	2.37	.04	.09	1	16
AU 6+50S 1+50W	4	97	24	162	.9	563	43	1878	7.45	286	5	ND	2	53	1	2	2	135	.19	.090	12	542	3.77	107	.06	3	2.32	.04	.10	1	58
AU 6+50S 1+25W	2	51	11	129	.3	330	30	1178	5.15	60	5	ND	1	29	1	2	2	137	.10	.089	10	490	4.05	84	.04	4	2.67	.03	.07	1	9
AU 6+50S 1+00W	4	82	22	142	.6	351	31	1305	5.68	153	5	ND	2	67	1	6	2	108	.29	.099	18	383	3.19	87	.04	3	2.07	.04	.10	1	34
AU 6+50S 0+75W	3	50	8	128	.5	556	38	914	5.69	79	5	ND	1	40	1	2	3	130	.23	.067	11	686	5.18	67	.06	5	2.78	.04	.08	1	10
AU 6+50S 0+50W	7	20	20	59	2.6	99	8	231	2.75	47	5	ND	2	30	1	4	3	62	.02	.078	32	327	1.19	93	.02	5	1.29	.02	.05	1	39
AU 6+50S 0+25W	27	38	61	151	.6	124	14	459	6.86	99	5	ND	3	42	1	8	3	76	.04	.101	28	341	1.04	144	.04	4	1.48	.03	.08	1	10
AU 6+50S 0+00W	10	46	25	121	.7	513	28	934	5.73	80	12	ND	3	222	1	7	3	108	.20	.086	24	709	3.29	297	.03	7	2.24	.03	.04	1	11
AU 6+50S 0+25E	16	136	34	456	1.4	778	37	1703	5.78	121	10	ND	2	250	1	3	4	117	.27	.121	40	733	4.41	288	.04	6	3.52	.04	.05	1	30
AU 6+50S 0+50E	9	56	39	275	2.7	330	20	589	4.31	99	5	ND	2	26	1	7	2	75	.04	.096	25	591	2.33	76	.02	7	2.80	.03	.04	1	38
AU 6+50S 0+75E	15	16	17	39	.5	9	2	204	1.19	16	5	ND	6	39	1	3	2	64	.06	.052	80	31	.24	104	.05	3	.90	.02	.04	2	16
AU 6+50S 1+00E	416	51	67	2650	6.1	1067	290	99999	3.29	26	5	ND	28	817	14	60	47	54	.25	.089	18	12	.18	1474	.02	2	.99	.07	.21	1	47
AU 6+50S 1+25E	76	12	25	2084	.8	448	508	90189	36.23	28	6	ND	14	291	1	2	20	19	.12	.152	14	3	.07	138	.01	2	.23	.07	.10	1	5
AU 6+50S 1+50E	74	41	93	1186	.4	208	282	85937	13.76	49	5	ND	7	95	1	2	9	55	.08	.162	17	92	.25	466	.04	2	.73	.05	.06	1	45
AU 6+50S 1+75E	79	104	146	740	2.6	164	251	67698	9.19	91	6	ND	7	43	2	17	10	54	.05	.191	23	79	.32	809	.04	2	1.47	.04	.06	1	161
AU 6+50S 2+00E	64	148	173	199	2.1	39	60	18188	6.08	115	5	ND	3	57	1	32	7	51	.05	.142	35	71	.33	385	.02	5	1.73	.02	.11	1	95
AU 6+50S 2+25E	33	19	50	52	.7	14	3	210	1.70	42	5	ND	3	43	1	13	5	55	.03	.040	38	48	.26	86	.05	4	.80	.01	.06	1	153
AU 6+50S 2+50E	33	124	135	1082	1.2	118	18	5271	5.01	95	31	ND	5	153	1	29	4	63	.19	.130	174	114	1.22	619	.05	6	1.86	.04	.15	1	83
AU 6+50S 2+75E	20	62	127	959	.8	113	18	2139	4.51	68	30	ND	4	165	1	24	3	68	.34	.110	141	151	1.43	195	.07	5	1.87	.03	.11	1	68
AU 6+50S 3+00E	24	69	96	218	1.4	106	15	2245	4.54	65	38	ND	5	225	1	15	3	71	.77	.202	48	115	1.21	287	.04	6	1.67	.04	.12	1	15
AU 6+50S 3+25E	13	24	47	100	.8	26	7	1421	3.31	34	5	ND	2	71	1	8	3	62	.16	.129	35	53	.41	316	.03	5	.97	.02	.11	1	5
AU 6+50S 3+50E	11	25	61	89	2.0	35	10	1192	3.69	42	5	ND	3	70	1	5	4	70	.13	.130	36	79	.60	272	.03	4	1.15	.02	.11	1	7
AU 6+50S 3+75E	12	42	50	143	.2	22	13	936	4.13	34	8	ND	6	117	1	6	2	74	.22	.142	57	35	.65	315	.07	4	1.45	.03	.22	1	5
AU 6+50S 4+00E	10	37	64	93	.7	12	9	1159	4.66	72	8	ND	5	117	1	7	2	70	.08	.192	51	27	.45	260	.04	5	1.10	.03	.15	1	10
AU 6+50S 4+25E	7	17	51	72	.5	33	8	705	3.15	33	5	ND	4	48	1	5	2	86	.12	.107	33	103	.88	132	.12	5	1.17	.03	.07	1	17
AU 6+50S 4+50E	9	21	72	51	1.9	11	5	215	2.65	41	8	ND	4	110	1	6	3	52	.05	.117	57	26	.23	198	.03	5	.73	.02	.12	1	21
AU 6+50S 4+75E	9	37	62	80	.5	10	8	421	4.85	75	6	ND	4	86	1	10	3	71	.06	.194	56	21	.35	181	.04	7	1.06	.03	.15	1	460
AU 6+50S 5+00E	12	27	82	61	.7	18	6	340	3.67	68	5	ND	5	159	1	12	3	74	.08	.142	57	43	.34	241	.05	4	.76	.03	.17	1	9
AU 6+50S 5+25E	11	29	77	80	1.8	61	8	346	4.70	76	5	ND	5	68	1	10	4	97	.12	.112	34	150	1.12	136	.11	5	1.48	.03	.08	1	27
AU 6+50S 5+50E	12	27	79	56	.6	29	7	293	3.57	95	6	ND	4	88	1	14	3	72	.05	.090	46	65	.35	171	.05	5	.81	.02	.11	1	10
AU 6+50S 5+75E	18	70	122	117	1.0	87	14	579	5.57	173	6	ND	7	188	1	20	6	68	.12	.148	52	119	1.02	247	.05	6	1.40	.04	.20	1	77
AU 6+50S 6+00E	22	23	42	61	.3	9	5	216	2.35	98	8	ND	5	73	1	9	2	54	.02	.074	64	16	.15	150	.01	4	.85	.02	.10	1	56
STD C/AU-0.5	21	60	40	138	7.3	71	29	1116	3.97	37	19	8	35	49	18	15	21	69	.48	.105	36	58	.88	185	.08	34	1.73	.09	.14	13	515

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 7+00S 4+50W	4	112	49	236	1.6	661	49	1656	6.98	274	6	ND	4	84	1	5	4	100	.27	.080	11	495	3.26	93	.04	2	1.99	.04	.14	1	72
AU 7+00S 4+25W	4	114	40	195	1.1	509	43	1546	6.66	216	5	ND	5	98	1	4	4	108	.43	.090	14	433	3.36	93	.06	2	1.98	.04	.20	1	64
AU 7+00S 4+00W	5	132	43	197	1.9	352	41	2103	7.51	328	5	ND	7	126	1	11	3	57	.32	.136	24	151	.83	167	.02	2	.78	.02	.13	1	86
AU 7+00S 3+75W	4	116	37	157	.9	187	32	1670	6.58	143	8	ND	10	167	1	8	2	87	.67	.219	47	133	1.47	261	.11	2	1.30	.05	.25	1	50
AU 7+00S 3+50W	3	83	28	168	.5	129	28	2214	4.97	90	15	ND	4	221	1	2	4	81	1.22	.251	38	121	1.34	364	.07	9	1.24	.05	.23	1	29
AU 7+00S 2+50W	1	45	18	129	.3	91	13	590	4.43	24	7	ND	6	111	1	5	4	135	.71	.213	49	174	2.32	272	.20	5	2.15	.05	.49	2	7
AU 7+00S 2+25W	3	42	28	124	.1	42	18	1214	4.98	29	8	ND	4	176	1	6	2	113	.63	.244	44	100	1.37	276	.11	4	1.49	.05	.35	1	7
AU 7+00S 2+00W	2	41	18	103	.2	28	12	617	4.19	18	7	ND	5	93	1	2	3	119	.37	.189	57	74	1.26	274	.10	5	1.73	.05	.54	1	6
AU 7+00S 1+75W	4	69	26	111	.2	56	14	598	5.47	108	8	ND	4	147	1	7	2	99	.45	.178	38	54	.98	210	.08	3	1.75	.04	.16	1	11
AU 7+00S 1+50W	3	47	15	121	.2	166	13	574	4.25	88	5	ND	2	52	1	3	2	101	.09	.116	20	252	1.97	98	.03	4	1.96	.03	.10	1	8
AU 7+00S 1+25W	1	17	17	63	.3	17	5	178	1.59	15	5	ND	2	66	1	5	2	50	.12	.078	22	42	.44	114	.10	4	.90	.02	.14	1	8
AU 7+00S 0+75W	6	79	54	117	.3	47	22	1450	6.50	42	13	ND	5	230	1	4	2	116	.83	.393	64	87	1.13	193	.04	2	1.64	.04	.21	8	11
AU 7+00S 0+50W	3	68	15	129	1.4	360	28	1125	5.91	104	5	ND	2	46	1	4	3	121	.14	.096	18	458	3.68	86	.04	2	2.49	.03	.07	1	25
AU 7+00S 0+25W	3	82	17	144	1.3	449	35	1468	6.15	124	5	ND	2	36	1	5	3	140	.12	.079	14	545	4.51	78	.06	2	2.72	.04	.12	1	22
AU 7+00S 0+00W	8	56	25	125	.2	285	29	1740	4.96	126	5	ND	1	34	1	7	4	109	.05	.083	17	395	2.41	179	.03	5	1.75	.03	.07	1	10
AU 7+00S 0+25E	33	43	78	144	.4	71	13	1707	4.62	80	10	ND	5	183	1	18	4	86	.44	.100	41	110	.59	553	.08	4	1.24	.03	.10	1	87
AU 7+00S 0+50E	24	33	55	120	1.4	118	8	168	4.25	73	5	ND	4	41	1	9	7	76	.05	.069	42	281	1.26	131	.02	7	1.74	.02	.08	1	24
AU 7+00S 0+75E	65	974	178	218	2.8	61	41	7358	6.97	141	10	ND	20	83	2	27	12	35	.21	.229	85	49	.23	1286	.01	2	1.12	.03	.05	1	160
AU 7+00S 1+00E	23	78	325	201	5.1	24	13	2046	4.83	48	5	ND	6	30	1	8	10	94	.09	.168	60	88	.37	175	.02	4	1.74	.02	.12	1	67
AU 7+00S 1+25E	13	65	63	120	1.1	54	12	1081	6.12	89	5	ND	4	48	1	16	4	80	.02	.232	46	134	.51	142	.01	4	1.61	.03	.07	1	43
AU 7+00S 1+50E	23	72	89	139	.7	82	12	697	6.63	90	5	ND	4	56	1	18	6	83	.09	.267	51	215	1.15	188	.03	4	1.84	.03	.15	1	23
AU 7+00S 1+75E	11	43	59	102	.3	26	9	632	4.84	78	5	ND	4	68	1	11	3	68	.04	.202	53	68	.49	157	.03	7	1.05	.03	.14	1	14
AU 7+00S 2+00E	10	38	47	93	.3	70	13	1502	4.99	63	5	ND	4	32	1	13	5	85	.03	.216	51	156	.62	120	.03	4	1.14	.02	.11	1	21
AU 7+00S 2+25E	10	32	43	99	.9	43	16	2316	4.73	59	5	ND	4	37	1	11	4	74	.04	.209	45	128	.65	146	.04	6	1.40	.02	.14	1	16
AU 7+00S 2+50E	6	70	60	155	.8	239	31	1036	5.97	93	5	ND	6	31	1	5	4	79	.08	.098	34	484	2.47	100	.05	4	2.22	.03	.09	1	58
AU 7+00S 2+75E	7	32	42	90	.4	88	10	420	5.58	72	5	ND	4	28	1	12	4	92	.03	.141	40	248	1.10	121	.04	5	1.56	.03	.08	1	27
AU 7+00S 3+00E	16	50	72	114	.3	74	17	1414	7.13	82	5	ND	4	27	1	11	3	134	.04	.156	29	175	1.50	116	.11	2	2.30	.03	.12	1	17
AU 7+00S 3+25E	19	57	88	207	.4	154	15	1171	5.97	128	5	ND	4	62	1	9	4	89	.09	.110	51	352	1.35	191	.04	4	1.53	.03	.08	1	42
AU 7+00S 3+50E	15	38	78	582	.3	149	12	748	4.39	60	10	ND	4	144	1	15	5	88	.33	.087	43	337	2.03	235	.07	6	1.81	.04	.07	1	61
AU 7+00S 3+75E	8	69	93	219	.4	181	21	681	4.15	44	5	ND	5	146	1	13	5	81	.44	.093	32	264	1.92	216	.11	4	1.61	.04	.12	1	95
AU 7+00S 4+00E	15	30	70	87	.7	65	7	379	3.06	49	5	ND	2	42	1	15	3	94	.08	.064	34	149	.66	223	.06	6	1.12	.02	.06	2	34
AU 7+00S 4+25E	11	71	96	151	.3	192	28	1179	5.13	91	5	ND	6	72	1	13	4	88	.25	.130	34	288	1.74	263	.10	5	1.54	.04	.12	1	52
AU 7+00S 4+50E	9	25	57	81	1.9	76	9	332	5.23	83	5	ND	4	37	1	12	3	104	.09	.112	30	265	1.21	132	.12	5	1.47	.03	.07	1	18
AU 7+00S 4+75E	16	76	87	183	1.1	134	23	911	5.78	93	13	ND	6	264	1	15	4	61	.50	.214	63	137	1.14	518	.03	5	1.69	.05	.22	1	35
AU 7+00S 5+00E	14	21	69	60	.2	13	5	708	2.99	42	5	ND	5	109	1	9	5	59	.03	.094	<65	33	.23	303	.03	5	.96	.02	.13	1	15
AU 7+00S 5+25E	6	32	57	99	1.3	66	10	1129	4.60	82	5	ND	4	52	1	9	4	89	.12	.177	35	164	1.16	121	.07	6	1.30	.03	.11	1	24
STD C/AU-0.5	20	62	39	142	7.1	73	30	1147	3.99	40	19	8	36	51	19	15	20	71	.48	.109	38	62	.89	185	.09	36	1.73	.09	.15	12	490

IMPERIAL METALS PROJECT - 4120 FILE # 86-2269

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 7+00S 5+50E	13	64	81	159	1.3	80	16	685	5.60	83	6	ND	9	148	1	19	3	75	.17	.181	60	126	1.08	428	.07	7	1.66	.04	.20	1	63
AU 7+00S 5+75E	9	65	71	119	1.4	192	23	676	4.57	71	5	ND	7	65	1	12	2	80	.30	.113	41	291	1.92	129	.12	7	1.63	.04	.11	1	102
AU 7+00S 6+00E	15	72	74	159	1.0	66	17	638	5.55	115	5	ND	12	143	1	24	2	58	.33	.242	66	86	.88	179	.06	8	1.60	.04	.17	1	122
AU 7+50S 4+50W	4	91	20	150	.3	704	46	1203	6.68	134	5	ND	2	74	1	8	2	140	.31	.114	16	708	5.11	115	.05	5	3.05	.04	.09	1	15
AU 7+50S 4+25W	3	78	21	161	.7	303	28	1174	6.19	131	5	ND	2	65	1	5	2	131	.19	.105	21	381	2.46	128	.04	7	2.24	.03	.10	1	29
AU 7+50S 4+00W	3	127	44	149	.5	100	32	1633	6.38	73	5	ND	14	191	1	2	2	106	.78	.276	69	90	1.63	350	.17	3	1.61	.05	.44	1	26
AU 7+50S 3+75W	4	81	39	150	.2	120	33	2345	6.36	99	5	ND	7	159	1	4	2	107	.62	.223	51	115	1.44	407	.10	7	1.68	.05	.38	1	13
AU 7+50S 3+50W	2	75	33	134	.2	37	27	1571	5.49	24	5	ND	6	187	1	2	2	124	1.03	.269	54	70	1.77	375	.13	5	1.78	.06	.60	1	6
AU 7+50S 3+25W	14	125	68	167	.5	67	29	2139	6.21	48	9	ND	14	234	1	12	2	93	.95	.321	65	71	1.54	261	.13	8	1.42	.06	.55	1	9
AU 7+50S 3+00W	5	123	41	144	.3	65	31	1784	6.19	42	10	ND	14	189	1	7	2	103	.85	.286	67	79	1.68	285	.17	6	1.54	.06	.51	1	13
AU 7+50S 2+50W	6	196	71	159	.3	28	49	1574	15.24	60	6	ND	22	190	1	14	2	26	.61	.577	58	5	.10	51	.01	2	.27	.05	.08	3	34
AU 7+50S 2+25W	2	79	52	144	.2	29	23	1541	7.47	47	5	ND	6	171	1	4	2	104	.41	.285	53	49	.91	421	.05	5	1.61	.04	.41	1	36
AU 7+50S 2+00W	2	48	31	121	.1	19	14	1366	5.60	12	5	ND	6	131	1	10	2	124	.45	.215	56	52	1.38	373	.13	8	1.99	.05	.37	1	3
AU 7+50S 1+75W	3	57	43	133	.2	33	17	1291	5.10	32	6	ND	4	147	1	4	2	121	.65	.242	46	76	1.40	296	.08	4	1.81	.05	.44	1	15
AU 7+50S 1+50W	1	34	21	82	.1	14	9	278	3.37	12	5	ND	6	85	1	3	2	110	.41	.185	52	50	1.11	186	.20	6	1.68	.04	.50	1	3
AU 7+50S 1+25W	3	66	37	111	.1	16	21	905	5.66	33	5	ND	5	97	1	7	2	74	.36	.231	60	24	.53	245	.04	8	1.09	.03	.30	1	6
AU 7+50S 1+00W	5	48	38	125	.2	33	15	1469	6.27	63	5	ND	3	92	1	7	2	91	.30	.261	39	66	.65	184	.01	4	1.39	.03	.19	1	5
AU 7+50S 0+75W	7	85	60	125	.1	17	24	1857	7.32	69	6	ND	10	114	1	11	2	44	.59	.361	88	16	.29	167	.02	8	.86	.04	.23	1	13
AU 7+50S 0+50W	24	126	77	261	.6	81	17	696	8.16	239	33	ND	7	451	1	22	2	89	.86	.200	62	139	1.34	256	.05	5	2.10	.05	.20	1	47
AU 7+50S 0+25W	12	20	32	64	2.0	9	2	75	1.54	93	5	ND	4	66	1	9	3	42	.06	.108	61	28	.16	100	.01	2	.86	.02	.08	1	77
AU 7+50S 0+00W	37	74	138	90	1.3	24	6	400	6.81	380	5	ND	5	77	1	39	3	70	.05	.154	59	71	.28	182	.02	6	1.22	.02	.10	2	88
AU 7+50S 0+25E	9	59	19	141	.4	289	23	522	5.54	117	5	ND	4	144	1	3	2	121	.37	.050	21	402	3.27	125	.09	6	2.21	.04	.12	1	25
AU 7+50S 0+50E	60	40	56	106	1.3	75	8	150	7.72	161	21	ND	4	532	1	19	2	37	1.57	.220	57	124	.72	485	.01	5	1.01	.05	.07	1	25
AU 7+50S 0+75E	25	134	129	98	.6	47	8	383	6.98	165	5	ND	20	78	1	32	6	60	.04	.104	77	88	.47	151	.01	7	1.75	.02	.16	1	112
AU 7+50S 1+00E	173	664	126	203	16.3	41	37	3696	7.40	118	8	2	15	111	1	32	4	50	.26	.371	169	57	.42	1470	.01	5	1.27	.03	.16	1	1280
AU 7+50S 1+25E	23	60	55	106	.6	16	8	204	3.89	55	7	ND	7	67	1	13	4	87	.02	.086	71	20	.13	197	.02	3	.96	.02	.09	1	20
AU 7+50S 1+50E	18	69	87	116	.4	40	12	817	5.98	80	5	ND	6	74	1	15	3	75	.06	.205	71	74	.55	189	.03	6	1.31	.03	.12	1	29
AU 7+50S 1+75E	13	39	94	118	.5	52	16	2855	5.23	77	5	ND	5	54	1	11	4	79	.03	.187	54	74	.59	207	.03	4	1.27	.03	.11	1	71
AU 7+50S 2+00E	13	48	69	82	.2	19	8	483	4.38	65	5	ND	4	42	1	13	3	59	.03	.204	64	33	.28	144	.01	4	1.16	.02	.10	1	44
AU 7+50S 2+25E	15	46	69	98	.8	22	11	603	4.90	65	5	ND	7	43	1	13	6	82	.05	.127	70	31	.25	140	.04	4	1.06	.02	.09	2	36
AU 7+50S 2+50E	33	41	100	80	.5	10	5	88	3.94	90	8	ND	9	81	1	34	7	67	.02	.096	86	12	.10	195	.02	3	.71	.03	.13	1	50
AU 7+50S 2+75E	12	42	51	88	.5	15	8	140	3.38	57	6	ND	6	35	1	12	5	80	.03	.113	71	25	.21	170	.03	2	1.14	.02	.09	1	15
AU 7+50S 3+00E	20	89	127	113	.6	35	13	1054	7.11	175	5	ND	8	56	1	32	7	71	.09	.225	81	36	.25	289	.01	5	.64	.03	.12	1	29
AU 7+50S 3+25E	8	26	21	51	.5	8	4	55	1.69	30	5	ND	6	23	1	11	3	61	.02	.046	86	16	.13	121	.01	2	1.05	.01	.06	1	58
AU 7+50S 3+50E	22	100	100	114	.8	23	9	436	8.33	82	6	ND	5	48	1	19	5	63	.04	.161	70	49	.40	164	.01	5	1.24	.02	.13	1	29
AU 7+50S 3+75E	13	92	95	602	.8	172	19	883	5.13	85	16	ND	6	234	1	15	3	80	.46	.097	55	246	1.50	213	.08	6	1.83	.04	.11	1	99
STD C/AU-0.5	20	62	43	142	6.8	74	30	1040	4.06	43	17	8	37	51	19	16	20	72	.49	.109	39	62	.90	182	.09	35	1.75	.09	.16	12	510

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SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 7+50S 4+00E	13	54	96	769	1.3	138	15	871	4.38	65	14	ND	5	222	1	12	5	77	.44	.086	58	241	1.61	223	.08	12	1.76	.04	.10	1	195
AU 7+50S 4+25E	13	77	102	501	.7	167	24	1940	4.44	82	7	ND	10	190	1	17	3	67	.46	.109	51	169	1.43	398	.11	7	1.27	.04	.14	1	122
AU 7+50S 4+50E	9	35	53	109	.4	71	8	369	3.91	43	5	ND	4	106	1	12	3	100	.32	.100	32	162	.99	165	.10	5	1.29	.03	.11	1	29
AU 7+50S 4+75E	18	92	151	134	.4	143	12	459	4.55	87	5	ND	8	65	1	16	6	63	.14	.107	51	239	1.29	284	.06	6	1.30	.03	.11	1	150
AU 7+50S 5+00E	17	88	109	183	1.1	153	19	2301	5.58	103	5	ND	8	62	1	11	5	97	.08	.093	55	201	.81	620	.04	5	1.92	.02	.12	1	72
AU 7+50S 5+25E	4	44	14	125	.1	66	17	700	7.86	13	5	ND	2	26	1	2	2	297	.12	.031	2	222	3.62	250	.49	2	3.28	.04	.09	1	6
AU 7+50S 5+50E	19	57	78	88	1.0	41	7	251	4.70	90	5	ND	6	50	1	16	4	82	.06	.113	52	83	.42	215	.06	5	1.07	.02	.10	1	38
AU 7+50S 5+75E	26	54	103	112	2.3	36	9	296	6.53	123	5	ND	7	51	1	18	5	86	.02	.121	65	73	.44	165	.04	2	1.39	.03	.12	1	75
AU 7+50S 6+00E	18	67	117	109	1.8	41	8	296	7.31	120	6	ND	6	120	1	17	5	58	.09	.299	51	69	.58	285	.02	2	1.12	.04	.16	1	46
AU 8+00S 4+50W	5	169	73	175	.3	38	58	4890	7.92	58	10	ND	18	247	1	2	2	124	.89	.279	75	41	1.93	596	.15	3	1.84	.06	.54	1	39
AU 8+00S 4+25W	11	224	84	244	.7	68	57	3897	10.66	145	16	ND	19	341	1	14	2	105	.86	.315	69	51	1.25	468	.08	2	1.51	.05	.36	1	71
AU 8+00S 4+00W	9	219	79	260	.9	54	44	3103	11.91	607	14	ND	22	317	1	45	2	98	.85	.437	88	38	.61	354	.04	2	.99	.05	.21	3	650
AU 8+00S 3+75W	7	179	74	232	.8	67	40	2439	9.97	305	13	ND	17	255	1	24	2	105	.84	.388	91	66	1.05	282	.06	2	1.24	.05	.27	2	350
AU 8+00S 3+50W	9	207	77	259	.9	49	44	3870	11.81	545	11	ND	23	293	1	43	2	96	.67	.402	99	34	.47	433	.03	2	.96	.05	.18	1	740
AU 8+00S 3+25W	5	122	41	153	.5	32	26	1937	6.79	203	10	ND	21	180	1	23	2	60	.68	.381	80	22	.34	199	.03	8	.67	.05	.22	1	148
AU 8+00S 3+00W	5	146	52	175	.4	61	30	2241	6.89	105	8	ND	16	182	1	7	2	96	.68	.300	68	58	1.26	406	.10	4	1.40	.05	.42	1	53
AU 8+00S 2+75W	5	134	52	172	.3	34	26	2415	7.36	147	12	ND	17	182	1	20	2	64	.64	.328	73	26	.44	297	.03	2	.72	.05	.24	1	71
AU 8+00S 2+50W	5	152	77	190	.6	57	32	2608	7.46	76	5	ND	14	131	1	6	2	100	.45	.247	76	53	1.27	371	.10	3	1.61	.04	.38	1	67
AU 8+00S 2+25W	4	113	59	195	.4	69	25	1363	6.79	92	9	ND	9	233	1	5	2	114	.75	.213	53	78	1.75	300	.08	4	1.95	.05	.31	1	74
AU 8+00S 2+00W	4	64	50	109	.3	39	14	657	4.00	33	8	ND	4	170	1	3	3	96	.67	.253	44	85	1.10	228	.08	7	1.44	.04	.18	1	15
AU 8+00S 1+75W	4	87	54	152	.4	35	26	2909	5.98	64	8	ND	8	223	1	6	2	65	1.02	.371	63	43	.80	281	.06	11	.99	.05	.40	1	29
AU 8+00S 1+50W	4	79	51	154	.4	23	23	4970	7.09	125	11	ND	6	276	1	8	2	75	.75	.282	64	30	.61	291	.04	4	1.07	.05	.30	1	105
AU 8+00S 1+25W	3	39	28	94	.3	17	11	753	3.57	22	5	ND	2	100	1	4	2	89	.29	.179	35	40	.58	221	.02	6	1.11	.03	.27	1	27
AU 8+00S 1+00W	1	47	24	99	.1	14	12	509	4.69	16	5	ND	6	90	1	2	2	148	.41	.172	46	42	1.37	216	.19	5	1.80	.05	.34	1	4
AU 8+00S 0+75W	1	60	28	90	.1	13	13	222	4.89	8	5	ND	5	76	1	2	2	129	.29	.127	39	33	1.15	287	.13	7	2.00	.04	.43	1	1
AU 8+00S 0+50W	1	40	21	122	.2	13	13	330	3.75	3	9	ND	7	214	1	2	2	103	.88	.254	59	36	1.78	450	.20	9	1.99	.06	.48	1	4
AU 8+00S 0+25W	2	35	21	107	.1	12	14	458	4.45	8	6	ND	9	69	1	2	3	127	.34	.206	38	48	1.64	176	.29	6	1.87	.05	.63	1	2
AU 8+00S 0+25E	14	31	32	131	.1	13	7	675	3.50	26	21	ND	2	344	1	3	2	94	.65	.118	34	34	.67	337	.06	6	1.40	.04	.23	1	5
AU 8+00S 0+50E	18	204	47	209	.4	82	13	3591	2.83	120	23	ND	3	488	1	14	3	44	1.17	.144	115	78	.48	456	.03	9	1.03	.04	.12	1	15
AU 8+00S 0+75E	9	62	33	207	.4	355	34	740	6.24	201	9	ND	3	166	1	2	4	118	.39	.072	17	476	3.35	104	.05	5	2.24	.04	.07	1	22
AU 8+00S 1+00E	77	792	173	112	2.1	94	29	2888	8.86	272	17	ND	45	71	1	125	9	41	.04	.136	36	156	.75	1014	.04	2	1.27	.03	.04	1	540
AU 8+00S 1+25E	207	1339	141	201	2.1	137	41	3110	6.87	562	13	ND	27	121	1	85	5	64	.05	.096	40	226	1.19	1287	.05	10	1.92	.03	.07	1	169
AU 8+00S 1+50E	52	152	97	162	.4	22	8	372	5.19	39	7	ND	11	94	1	13	2	126	.18	.250	62	50	1.15	262	.11	8	1.26	.04	.42	1	28
AU 8+00S 1+75E	51	158	80	137	3.3	30	11	1129	4.50	109	5	ND	6	87	1	27	4	60	.05	.213	69	40	.32	219	.01	8	1.38	.02	.12	1	60
AU 8+00S 2+00E	54	225	76	85	.8	17	5	238	3.80	204	5	ND	4	87	1	34	5	72	.01	.139	59	33	.19	120	.01	9	.94	.01	.08	1	112
AU 8+00S 2+25E	44	109	79	178	.9	19	10	2984	4.29	171	9	ND	4	240	1	33	3	53	.28	.154	49	22	.11	508	.01	6	.93	.03	.10	1	150
STD C/AU-0.5	20	63	42	143	7.0	75	30	1156	4.01	43	16	8	37	52	18	16	22	71	.49	.108	39	61	.89	182	.09	37	1.73	.09	.14	12	520

IMPERIAL METALS PROJECT - 4120 FILE 86-2369.

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 8+00S 2+50E	29	65	29	78	.1	11	6	165	2.31	89	5	ND	4	55	1	13	2	49	.02	.077	65	16	.10	93	.01	5	.71	.01	.07	1	51
AU 8+00S 2+75E	46	199	69	148	.1	26	12	512	5.13	171	13	ND	7	281	1	27	6	70	.35	.121	67	44	.41	400	.03	7	1.24	.03	.16	1	63
AU 8+00S 3+00E	27	83	67	104	.1	20	8	324	5.23	111	5	ND	5	97	1	20	2	62	.14	.210	60	41	.30	209	.01	6	1.25	.02	.09	1	39
AU 8+00S 3+25E	22	112	59	131	.1	26	9	382	4.51	178	5	ND	6	104	1	18	3	73	.10	.103	68	44	.36	268	.02	5	1.44	.02	.12	1	49
AU 8+00S 3+50E	20	77	52	107	.1	29	8	411	4.41	119	6	ND	5	57	1	14	2	72	.02	.150	56	47	.32	217	.02	4	1.17	.02	.11	1	27
AU 8+00S 3+75E	20	122	99	95	.7	32	9	447	6.19	128	5	ND	5	63	1	30	2	46	.07	.161	60	62	.35	165	.01	7	1.35	.02	.13	1	93
AU 8+00S 4+00E	38	207	93	137	.2	34	16	620	5.07	112	7	ND	11	139	1	30	4	47	.21	.130	78	53	.41	341	.02	6	1.75	.03	.18	1	95
AU 8+00S 4+25E	16	102	97	653	1.5	167	16	1083	4.93	96	17	ND	6	165	1	11	3	70	.29	.136	85	208	1.34	405	.04	8	1.65	.03	.12	1	86
AU 8+00S 4+50E	16	78	107	937	.3	192	22	2870	4.79	57	13	ND	6	161	2	17	4	78	.33	.127	93	196	1.49	486	.08	5	1.75	.03	.12	1	64
AU 8+00S 4+75E	13	72	95	652	.3	173	24	2383	4.10	51	10	ND	9	215	1	12	2	65	.51	.113	59	176	1.32	341	.10	6	1.25	.04	.12	1	78
AU 8+00S 5+00E	12	90	104	791	.7	188	21	1555	4.25	56	20	ND	7	325	1	12	4	67	.72	.109	64	202	1.46	281	.09	4	1.41	.04	.12	1	87
AU 8+00S 5+25E	12	88	105	699	.7	179	21	1179	4.29	62	19	ND	8	245	1	14	2	67	.55	.105	59	212	1.46	228	.08	8	1.41	.04	.13	1	83
AU 8+00S 5+50E	11	92	107	760	.9	189	20	1175	4.34	58	16	ND	6	315	1	12	2	69	.67	.116	62	221	1.54	246	.07	6	1.55	.04	.13	1	85
AU 8+00S 5+75E	33	112	89	213	.4	221	21	4818	5.10	98	18	ND	7	335	1	11	5	77	.81	.120	63	218	1.34	727	.05	5	1.67	.04	.15	1	73
AU 8+00S 6+00E	10	63	46	114	3.2	149	14	509	6.63	97	5	ND	6	40	1	4	2	119	.12	.147	28	209	1.44	108	.14	2	1.81	.03	.09	1	16
AU 9+00S 6+25E	23	55	36	68	1.4	67	8	234	6.64	174	5	ND	4	21	1	22	3	127	.05	.061	27	142	.75	112	.08	2	1.52	.02	.07	1	32
AU 9+00S 6+50E	13	31	16	51	.8	79	7	186	3.68	106	5	ND	2	20	1	18	2	104	.08	.090	23	185	.79	102	.02	3	1.40	.02	.08	1	17
AU 9+00S 6+75E	24	104	51	67	3.0	93	10	338	4.40	77	5	ND	4	29	1	22	2	83	.13	.085	37	143	1.10	155	.08	5	1.45	.03	.09	1	189
AU 9+00S 7+00E	24	121	77	123	.4	144	17	903	5.68	140	5	ND	5	43	1	24	3	90	.12	.093	40	210	1.46	138	.08	5	1.69	.03	.10	1	72
AU 9+00S 7+25E	15	68	71	106	.1	98	15	1741	4.16	125	5	ND	5	58	1	22	3	77	.19	.121	47	150	.94	165	.07	6	1.08	.03	.10	1	51
AU 9+00S 7+50E	8	29	31	59	1.8	58	6	254	3.13	60	5	ND	3	27	1	10	2	96	.08	.043	22	105	.76	93	.16	3	1.31	.02	.06	1	45
AU 9+00S 7+75E	10	36	34	87	.1	102	11	624	3.50	55	5	ND	3	60	1	8	2	89	.15	.070	27	178	1.31	183	.10	6	1.36	.03	.09	1	19
AU 9+00S 8+00E	19	176	81	118	.3	117	18	908	4.32	134	8	ND	9	184	1	26	2	68	.32	.088	63	132	1.10	238	.05	7	1.33	.03	.16	1	79
AU 9+00S 8+10E	9	76	39	101	.2	198	20	2909	3.72	82	7	ND	6	221	1	6	2	84	.65	.089	29	201	2.10	205	.12	8	1.56	.04	.15	2	31
AU 9+00S 8+25E	8	161	64	115	.9	233	25	1201	4.86	114	5	ND	9	69	1	11	2	101	.35	.084	33	222	2.36	172	.19	4	1.79	.04	.17	1	54
AU 9+00S 8+50E	7	70	32	96	.3	202	19	815	3.75	88	5	ND	6	126	1	2	2	84	.50	.069	26	224	2.30	148	.12	5	1.81	.04	.14	1	33
AU 9+00S 8+75E	5	37	25	87	1.0	150	11	372	4.33	81	5	ND	4	20	1	2	2	120	.07	.053	19	231	2.34	79	.14	11	1.92	.03	.08	1	11
AU 9+00S 9+00E	6	65	30	99	.2	195	20	668	4.01	82	5	ND	5	99	1	6	2	95	.40	.048	27	244	2.49	149	.12	3	1.97	.04	.11	1	37
AU 9+00S 9+25E	1	15	12	47	.2	106	8	215	2.65	44	5	ND	2	8	1	2	2	94	.07	.049	10	187	1.66	49	.17	3	1.33	.03	.05	1	8
AU 9+00S 9+50E	1	12	13	61	1.1	60	6	235	2.95	42	5	ND	2	8	1	3	2	107	.04	.026	10	145	1.41	79	.17	3	1.46	.02	.06	1	12
AU 9+00S 9+75E	1	19	8	63	.4	97	8	319	3.10	37	5	ND	1	10	1	7	2	99	.09	.029	8	167	1.38	75	.18	5	1.44	.03	.04	1	7
AU 9+00S 10+00E	2	26	8	70	.1	91	8	318	3.59	40	5	ND	1	9	1	7	2	102	.10	.040	7	135	1.11	84	.15	3	1.47	.03	.04	1	6
AU 9+00S 10+25E	2	19	7	66	.1	61	6	335	3.15	36	5	ND	2	8	1	4	2	115	.09	.052	9	105	.69	59	.13	4	1.32	.02	.04	1	3
AU 9+00S 10+50E	2	30	11	87	.1	112	14	928	4.25	44	5	ND	1	9	1	3	2	107	.14	.095	8	151	1.24	66	.15	4	1.38	.03	.06	1	21
AU 9+00S 10+75E	2	41	9	97	.1	144	18	1292	4.81	62	5	ND	1	10	1	6	2	111	.17	.095	9	193	1.68	94	.14	2	1.67	.04	.04	1	12
AU 9+00S 11+00E	3	38	13	91	.1	115	10	427	4.44	50	5	ND	2	22	1	6	2	114	.15	.074	14	163	1.49	70	.12	4	1.72	.03	.06	1	12
STD C/AU-0.5	20	62	36	138	6.9	73	30	1169	3.97	39	16	7	37	52	18	17	20	72	.48	.110	38	62	.88	183	.09	36	1.73	.09	.15	12	500

IMPERIAL METALS PROJECT - 4120 FILE # 86-2369

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 9+00S 11+25E	2	27	13	61	.4	81	8	248	3.43	56	5	ND	1	9	1	8	2	87	.15	.044	6	138	1.19	60	.10	5	1.59	.02	.05	1	7
AU 9+00S 11+50E	9	57	21	88	.5	211	19	1129	3.64	51	5	ND	4	134	1	2	2	78	.48	.069	19	220	2.04	135	.11	2	1.63	.04	.09	1	24
AU 9+00S 11+75E	3	24	16	54	1.0	70	8	286	3.79	20	5	ND	2	22	1	8	2	123	.16	.036	6	124	1.10	60	.25	2	1.43	.04	.02	1	22
AU 9+00S 12+00E	14	35	27	49	.4	14	3	99	1.78	27	5	ND	5	40	1	18	2	41	.05	.042	29	14	.09	128	.03	2	.46	.02	.05	2	21
AU 9+00S 12+25E	31	51	35	78	2.4	57	8	361	5.65	180	6	ND	6	15	1	20	3	125	.06	.139	32	81	.58	84	.14	2	1.18	.02	.05	1	12
AU 9+00S 12+50E	11	73	44	74	.9	112	29	1818	5.66	52	5	ND	4	26	1	12	2	118	.17	.213	21	176	1.04	103	.11	4	1.07	.04	.06	1	5
AU 9+00S 12+75E	4	30	16	77	.4	89	9	286	5.23	65	5	ND	3	13	1	8	2	120	.13	.135	9	161	1.17	63	.13	2	1.97	.03	.05	1	5
AU 9+00S 13+00E	3	16	18	46	.8	30	4	230	1.93	29	5	ND	3	12	1	5	2	112	.07	.062	13	70	.43	65	.15	2	1.21	.02	.04	1	2
AU 9+00S 13+25E	3	24	17	81	1.3	72	8	358	5.57	33	5	ND	2	13	1	11	2	139	.15	.124	5	139	.92	92	.16	2	1.54	.04	.04	1	6
AU 9+00S 13+50E	3	31	11	78	3.0	83	8	294	3.74	29	5	ND	2	10	1	10	2	71	.14	.098	8	147	1.04	73	.09	2	1.96	.04	.05	1	1
AU 9+00S 13+75E	1	8	10	42	1.1	31	3	125	1.57	14	5	ND	1	9	1	5	2	64	.09	.065	9	102	.56	60	.10	2	.99	.02	.03	1	3
AU 9+00S 14+00E	4	49	13	119	1.5	134	13	384	4.68	37	5	ND	3	13	1	14	2	73	.20	.098	8	181	1.50	92	.07	3	2.32	.04	.06	1	8
AU 9+00S 14+25E	3	28	12	69	.5	62	7	361	4.44	41	5	ND	2	9	1	12	2	142	.10	.129	7	111	.71	75	.10	2	1.25	.03	.02	1	3
AU 9+00S 14+50E	1	8	8	35	.4	21	3	150	1.20	10	5	ND	1	22	1	2	2	64	.14	.036	7	53	.40	59	.12	2	.99	.02	.04	1	4
AU 9+00S 14+75E	1	36	4	65	1.7	87	9	301	3.92	14	5	ND	1	16	1	8	2	78	.23	.094	2	128	1.16	68	.09	3	2.04	.04	.05	1	2
AU 9+00S 15+00E	2	35	10	84	.5	64	10	671	5.73	31	5	ND	2	12	1	8	2	120	.11	.103	6	104	.90	73	.18	4	1.89	.03	.03	1	4
AU 9+00S 15+25E	1	13	7	48	.1	21	4	158	2.02	16	5	ND	2	14	1	4	2	104	.10	.056	6	40	.37	72	.11	2	1.16	.02	.02	1	1
AU 9+00S 15+50E	2	40	6	81	.4	143	13	354	3.60	25	5	ND	2	13	1	15	2	71	.23	.069	3	189	1.55	84	.11	3	2.59	.05	.05	1	1
AU 9+00S 15+75E	1	14	6	45	.5	33	5	385	2.51	15	5	ND	1	9	1	6	2	84	.11	.066	5	70	.53	67	.11	2	1.19	.02	.03	1	1
AU 9+00S 16+00E	1	10	4	38	.3	24	3	154	1.66	8	5	ND	1	9	1	7	2	70	.11	.059	5	64	.52	55	.11	2	1.13	.03	.03	1	1
STD C/AU-0.5	22	60	39	138	7.3	71	29	1115	4.00	38	18	8	37	50	17	16	20	70	.48	.105	37	61	.88	187	.09	34	1.72	.09	.14	15	490

IMPERIAL METALS PROJECT - 4120 FILE # 86-2127

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 5+00S 1+00E A	27	32	109	235	1.6	21	8	2281	4.85	89	26	ND	1	139	1	19	9	58	.09	.241	76	40	.71	240	.02	2	2.07	.01	.13	1	46
AU 5+00S 1+25E	33	42	171	714	2.0	40	31	2137	4.46	228	92	ND	1	369	1	35	6	33	.70	.310	608	26	.48	147	.01	2	1.77	.01	.09	1	70
AU 5+00S 1+50E	20	128	109	181	.7	32	55	9200	9.58	107	11	ND	5	134	1	22	3	35	.23	.419	96	11	.17	436	.01	2	.86	.02	.12	1	95
AU 5+00S 1+75E	19	106	174	164	.5	35	52	9723	9.08	104	10	ND	1	112	1	20	6	35	.24	.471	102	19	.24	471	.01	2	1.05	.02	.15	1	65
AU 5+00S 2+00E	9	123	54	144	.4	26	35	3201	7.47	40	8	ND	11	138	1	4	3	62	.54	.321	80	17	.61	372	.07	3	1.32	.01	.42	1	22
AU 5+00S 2+25E	9	114	54	130	.3	25	31	2605	7.23	42	7	ND	8	167	1	5	2	52	.66	.332	78	13	.43	701	.05	5	1.00	.01	.27	1	19
AU 5+00S 2+50E	9	70	72	135	.2	19	23	2070	7.38	55	7	ND	2	148	1	13	2	51	.26	.255	68	12	.19	695	.01	2	1.15	.01	.10	1	34
AU 5+00S 2+75E	6	64	64	97	.2	10	15	297	5.30	46	5	ND	9	71	1	6	2	65	.08	.167	55	17	.29	267	.04	3	1.23	.01	.15	1	31
AU 5+00S 3+00E	6	38	71	93	.3	10	11	1778	3.41	43	7	ND	1	63	1	5	2	33	.03	.139	71	12	.09	219	.01	2	.92	.01	.10	1	18
AU 5+00S 3+25E	8	43	80	80	.4	10	9	173	5.66	69	5	ND	6	133	1	8	4	48	.05	.306	53	19	.46	271	.03	2	1.45	.02	.15	1	22
AU 5+00S 3+50E	7	36	66	70	.2	10	9	336	4.00	57	5	ND	6	67	1	7	2	51	.04	.127	63	15	.21	146	.03	2	.89	.01	.14	1	40
AU 5+00S 3+75E	6	28	69	62	.3	9	8	173	2.77	40	6	ND	1	63	1	7	4	45	.03	.092	68	13	.15	174	.01	2	.87	.01	.11	1	27
AU 5+00S 4+00E	8	31	61	77	.3	11	9	195	3.44	59	5	ND	1	42	1	10	2	57	.02	.103	64	13	.15	116	.01	2	.88	.01	.09	1	50
AU 5+00S 4+25E	12	43	56	96	.5	14	11	220	3.91	176	7	ND	2	52	1	60	2	46	.04	.093	62	9	.08	101	.01	2	.66	.01	.08	1	88
AU 5+00S 4+50E	11	35	48	109	.3	14	15	2768	4.58	207	7	ND	1	58	1	28	5	55	.04	.109	58	18	.17	214	.02	4	.95	.01	.10	1	98
AU 5+00S 4+75E	6	29	35	74	1.9	12	9	426	3.50	97	6	ND	1	40	1	12	2	57	.03	.093	58	19	.22	127	.02	2	.91	.01	.12	1	65
AU 5+00S 5+00E	9	25	34	65	.5	11	8	228	2.87	201	8	ND	1	44	1	16	2	40	.01	.087	69	11	.09	99	.01	2	.79	.01	.07	1	120
AU 5+00S 5+25E	4	27	34	68	.5	11	8	188	2.80	162	9	ND	1	39	1	12	3	45	.03	.073	63	11	.11	102	.02	2	.70	.01	.09	1	170
AU 5+00S 5+50E	9	26	41	70	.2	14	9	257	4.07	255	5	ND	7	45	1	21	2	48	.03	.075	53	15	.13	96	.01	2	1.21	.01	.09	1	105
AU 5+00S 5+75E	13	29	46	79	.5	25	9	221	3.44	312	5	ND	2	62	1	26	2	36	.04	.091	46	11	.08	78	.01	2	.62	.01	.06	1	50
AU 5+00S 6+00E	19	41	44	97	.6	40	13	256	4.16	372	5	ND	1	66	1	33	2	45	.02	.090	48	12	.08	78	.01	2	.69	.01	.06	1	70
AU 5+50S 4+00W	7	106	43	131	.6	269	37	1807	6.98	227	6	ND	2	89	1	6	3	94	.33	.189	44	272	1.78	124	.04	2	1.78	.01	.14	1	85
AU 5+50S 3+75W	7	103	39	134	1.0	260	36	1732	6.60	248	5	ND	1	52	1	4	7	88	.26	.172	44	260	1.61	136	.02	3	1.70	.01	.11	1	105
AU 5+50S 3+50W	7	115	32	138	.8	434	40	1388	6.66	152	5	ND	3	58	1	6	4	131	.43	.118	26	491	3.68	62	.15	2	2.45	.01	.24	1	52
AU 5+50S 3+25W	7	123	29	144	.9	451	43	1527	7.03	150	5	ND	3	59	1	2	3	139	.47	.117	27	506	3.91	67	.16	2	2.60	.01	.25	1	54
AU 5+50S 3+00W	7	75	31	140	.3	309	32	1355	6.31	162	5	ND	1	43	1	4	6	127	.27	.103	24	447	3.16	52	.10	2	2.29	.01	.13	1	65
AU 5+50S 2+75W	4	48	15	99	.3	496	28	511	4.57	70	5	ND	1	90	1	2	7	102	.73	.074	14	761	5.04	43	.08	5	2.37	.01	.07	1	24
AU 5+50S 2+50W	5	34	15	82	.2	423	31	598	4.69	48	5	ND	1	9	1	4	6	112	.10	.055	12	765	4.76	35	.09	2	2.33	.01	.02	1	10
AU 5+50S 2+25W	5	52	16	94	.2	505	36	864	4.85	49	5	ND	1	23	1	4	5	113	.27	.075	13	740	5.43	52	.10	5	2.58	.01	.04	1	24
AU 5+50S 2+00W	6	61	10	94	.3	593	50	1268	4.95	59	5	ND	1	20	1	4	4	114	.23	.066	13	816	5.87	43	.09	3	2.64	.01	.04	1	22
AU 5+50S 1+75W	5	39	19	103	.3	567	33	622	5.19	45	5	ND	1	10	1	4	6	109	.05	.061	11	887	5.51	41	.06	6	2.78	.01	.04	1	6
AU 5+50S 1+50W	5	63	17	99	.2	675	44	1124	5.16	76	5	ND	1	50	1	2	8	115	.44	.070	13	691	5.84	71	.08	7	2.50	.01	.13	1	14
AU 5+50S 1+25W	5	64	21	95	.3	746	48	1091	5.22	72	5	ND	1	25	1	5	6	114	.21	.067	12	759	6.13	58	.09	8	2.55	.01	.08	1	13
AU 5+50S 1+00W	5	65	15	89	.2	668	39	928	5.11	65	5	ND	2	23	1	4	4	116	.21	.073	12	717	5.84	51	.10	5	2.53	.01	.12	1	29
AU 5+50S 0+75W	5	66	13	94	.1	603	43	1024	5.00	73	5	ND	1	22	1	3	4	111	.16	.074	12	677	5.45	52	.08	5	2.46	.01	.10	1	16
AU 5+50S 0+50W	77	96	254	92	1.2	54	11	414	6.23	177	7	ND	2	43	1	33	7	102	.03	.140	44	146	.70	149	.08	2	1.58	.01	.06	1	160
STD C/AU 0.5	21	59	43	142	7.0	71	29	1163	4.00	44	22	8	31	47	19	17	20	65	.48	.118	36	61	.88	174	.08	35	1.73	.06	.13	13	500

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN,FE,CA,P,CR,MG,BA,TI,B,AL,NA,K,W,SI,ZR,CE,SN,Y,NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOILS -80MESH AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: AUG 19 1986 DATE REPORT MAILED: Aug 23/86 ASSAYER: D. Toye ...DEAN TOYE. CERTIFIED B.C. ASSAYER.

IMPERIAL METALS PROJECT - 4120 FILE # 86-2127

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 0+00S 4+50W	2	33	3	103	.2	55	39	2161	10.16	11	5	ND	1	9	1	2	2	235	.16	.156	2	94	2.40	54	.42	4	2.65	.01	.03	1	1
AU 0+00S 4+25W	4	68	18	103	1.5	56	15	597	3.81	12	5	ND	1	24	1	2	3	58	.21	.107	7	75	1.01	99	.16	2	1.71	.01	.08	1	4
AU 0+00S 4+00W	3	109	2	125	.1	75	45	1531	8.10	55	5	ND	1	14	1	2	10	267	.28	.073	2	92	2.86	122	.26	3	3.41	.01	.15	1	1
AU 0+00S 3+75W	6	79	57	110	.3	83	26	1265	7.44	150	5	ND	7	180	1	15	7	97	.30	.142	26	89	1.27	281	.06	11	2.55	.08	.21	1	34
AU 0+00S 3+50W	6	58	72	96	.2	48	13	509	5.40	143	5	ND	10	211	1	18	3	50	.45	.117	33	39	.63	325	.09	14	3.22	.11	.44	1	44
AU 0+00S 3+25W	26	78	152	62	.6	28	10	327	9.06	446	5	ND	25	591	1	54	5	19	.07	.320	60	15	.12	50	.01	8	.64	.18	.76	1	220
AU 0+00S 3+00W	48	58	195	47	1.2	9	9	431	12.04	630	6	ND	8	631	1	49	14	21	.03	.428	64	12	.07	44	.01	3	.75	.22	1.23	3	180
AU 0+00S 2+75W	46	85	153	55	.8	14	10	128	12.42	534	6	ND	27	775	1	59	8	21	.03	.422	62	16	.08	51	.01	4	.67	.28	.98	1	135
AU 0+00S 2+50W	48	74	181	50	.8	9	9	128	14.07	577	9	ND	27	758	1	51	15	21	.03	.434	53	12	.08	49	.01	3	.64	.30	1.24	1	130
AU 0+00S 2+25W	86	87	167	87	.9	11	12	236	13.92	359	7	ND	16	922	1	34	17	20	.04	.660	49	11	.07	50	.01	5	.65	.29	1.03	1	115
AU 0+00S 2+00W	111	86	225	99	1.3	14	14	475	16.15	342	10	ND	17	969	1	33	16	20	.04	.883	55	12	.06	55	.01	2	1.12	.31	1.13	1	80
AU 0+00S 1+75W	204	75	189	66	.8	10	12	309	15.34	359	5	ND	12	844	1	16	22	26	.04	.742	47	11	.08	45	.02	4	.63	.35	1.41	1	37
AU 0+00S 1+50W	114	81	202	98	.9	13	14	415	12.40	339	6	ND	15	687	1	15	34	22	.05	.614	59	10	.09	45	.02	8	.64	.31	.98	1	40
AU 0+00S 1+25W	161	161	305	190	1.0	21	21	972	11.66	304	6	ND	19	622	1	13	17	59	.09	.477	100	29	.47	57	.04	4	1.44	.19	.70	1	46
AU 0+00S 1+00W	227	288	717	313	1.3	29	27	1569	12.02	456	19	ND	30	431	1	60	20	30	.03	.308	128	12	.15	117	.02	4	1.75	.09	.40	1	170
AU 0+00S 0+75W	58	209	174	299	.5	45	52	6856	13.75	317	7	ND	23	227	1	27	24	22	.06	.548	74	10	.09	150	.01	7	1.54	.04	.20	1	70
AU 0+00S 0+50W	21	153	111	169	.4	37	40	2302	10.07	258	10	ND	15	398	1	14	10	15	.12	.409	73	12	.13	133	.01	7	.99	.08	.30	1	16
AU 0+00S 0+25W	13	28	197	36	.5	7	5	216	4.63	106	5	ND	18	210	1	14	13	17	.02	.258	81	15	.29	107	.01	10	.79	.07	.72	1	15
AU 0+00S 0+00W	24	178	111	181	.3	41	51	3210	11.72	157	10	ND	11	710	1	3	5	71	.08	.529	56	31	1.69	72	.06	4	2.42	.07	1.06	1	13
AU 0+00S 0+25E	25	100	95	103	.5	24	17	719	10.65	273	9	ND	6	642	1	5	18	46	.07	.590	54	31	.67	70	.03	9	1.70	.13	.82	1	54
AU 0+00S 0+50E	16	134	84	149	.3	26	36	2848	7.72	70	8	ND	1	352	1	3	10	49	.10	.340	71	20	.41	477	.02	6	2.05	.04	.28	1	40
AU 0+00S 0+75E	12	117	102	158	.3	29	40	4615	7.04	61	9	ND	2	114	1	2	7	66	.34	.276	77	29	.87	333	.04	9	2.08	.02	.27	1	25
AU 0+00S 1+00E	14	118	108	188	.4	29	45	5050	6.65	63	5	ND	10	128	1	4	7	56	.48	.333	95	23	.63	481	.06	4	1.70	.02	.34	1	120
AU 0+00S 1+25E	7	144	76	164	.2	22	37	2685	6.09	27	5	ND	8	124	1	2	2	81	.47	.235	71	35	1.38	458	.13	6	2.23	.02	.55	1	10
AU 0+00S 1+50E	6	180	94	252	.5	25	46	4397	6.96	23	10	ND	26	183	1	2	3	114	.74	.304	134	22	1.16	883	.13	8	1.76	.02	.67	1	18
AU 0+00S 1+75E	9	198	129	201	.6	29	49	4121	6.41	42	7	ND	27	154	1	4	4	115	.69	.324	122	35	1.53	639	.16	7	2.04	.02	.66	1	75
AU 0+00S 2+00E	14	163	138	211	.6	31	57	4477	6.95	71	6	ND	26	183	1	12	7	107	.77	.342	114	23	1.35	615	.14	5	1.86	.02	.56	1	160
AU 0+00S 2+25E	11	145	109	214	.4	25	43	3702	6.65	59	6	ND	20	142	1	6	4	106	.53	.268	97	27	1.33	501	.13	7	1.98	.02	.53	1	110
AU 0+00S 2+50E	16	144	130	199	.5	28	51	4623	7.02	85	5	ND	20	160	1	13	4	100	.67	.344	108	25	1.10	574	.12	4	1.77	.02	.44	1	250
AU 0+00S 2+75E	10	179	68	319	.4	96	100	9995	10.54	93	7	ND	15	187	1	3	12	52	.53	.530	98	20	.21	381	.02	8	.88	.02	.26	1	35
AU 0+00S 3+00E	13	162	154	232	.5	31	49	3556	8.67	110	7	ND	18	253	1	18	3	76	.42	.363	96	20	.76	486	.06	8	1.34	.02	.44	1	140
AU 0+00S 3+25E	11	154	134	227	.5	28	41	2580	8.24	101	10	ND	18	246	1	29	6	71	.38	.324	92	17	.75	408	.07	7	1.29	.02	.42	1	100
AU 0+00S 3+50E	7	134	112	264	.3	29	43	2819	7.08	184	6	ND	6	264	1	20	5	99	.37	.250	92	24	.87	394	.08	8	1.89	.01	.37	1	32
AU 0+00S 3+75E	8	140	104	231	.4	35	47	2898	7.06	148	7	ND	5	224	1	13	8	90	.29	.281	82	33	.76	343	.06	8	1.96	.02	.32	1	30
AU 0+00S 4+00E	11	164	94	181	.4	41	59	2630	8.48	117	10	ND	8	373	1	11	4	67	.24	.370	74	36	.55	192	.04	6	1.62	.10	.39	1	90
AU 0+00S 4+25E	9	141	91	167	.4	25	38	2431	7.16	96	5	ND	14	225	1	12	6	57	.30	.336	72	18	.60	311	.05	5	1.13	.03	.43	1	34
STD C/AU 0.5	20	61	42	139	7.0	75	31	1148	3.91	41	18	8	33	49	18	16	21	65	.48	.111	36	62	.88	184	.08	37	1.72	.07	.13	13	500

IMPERIAL METALS PROJECT - 4120 FILE # 86-2127

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPB	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 0+00S 4+50E	10	148	143	233	.5	24	42	3109	7.04	92	6	ND	10	313	1	19	2	60	.74	.288	88	13	.72	544	.06	5	1.20	.02	.14	1	95
AU 0+00S 4+75E	10	146	151	214	.4	22	41	2770	7.13	102	5	ND	12	215	1	23	2	61	.42	.296	92	12	.65	386	.05	2	1.24	.02	.14	2	90
AU 0+00S 5+00E	7	76	92	154	.3	14	26	2596	5.07	71	6	ND	1	179	1	11	3	54	.42	.244	62	11	.42	372	.01	4	.92	.02	.24	1	35
AU 0+00S 5+25E	5	71	138	181	.3	11	25	2735	3.15	42	6	ND	1	286	1	14	3	26	1.26	.234	38	9	.29	511	.01	4	.55	.01	.16	1	47
AU 0+00S 5+50E	6	92	82	171	.4	16	30	2774	4.68	64	7	ND	1	279	1	12	2	42	1.11	.275	70	10	.43	556	.02	6	.83	.02	.19	1	56
AU 0+00S 5+75E	7	91	106	160	.4	15	34	4118	5.47	69	6	ND	1	202	1	12	2	56	.53	.271	83	11	.42	519	.02	5	1.03	.02	.15	1	41
AU 0+00S 6+00E	6	85	88	136	.6	15	19	1072	5.15	48	5	ND	1	94	1	7	2	96	.09	.151	67	21	.60	305	.05	4	1.16	.02	.31	1	40
AU 0+50S 1+00W	280	89	281	97	1.0	12	12	1014	6.88	203	10	ND	1	452	1	11	5	26	.02	.292	120	11	.08	255	.01	2	.55	.06	.28	1	14
AU 0+50S 0+00W	10	132	65	155	.4	39	28	1465	8.71	108	5	ND	2	413	1	2	3	70	.03	.387	74	90	1.64	207	.01	5	2.35	.05	.42	1	2
AU 0+50S 0+25E	12	90	58	107	.4	23	21	1023	6.49	123	6	ND	1	253	1	4	2	65	.11	.373	53	40	1.07	328	.01	2	1.78	.03	.29	2	5
AU 0+50S 0+50E	8	73	68	129	.2	19	17	1581	5.49	52	5	ND	2	192	1	2	2	53	.21	.274	74	25	.88	371	.05	2	1.84	.03	.37	1	4
AU 0+50S 0+75E	5	65	50	135	.2	18	16	1347	5.09	37	5	ND	1	204	1	2	2	55	.42	.257	59	22	.70	308	.02	2	1.55	.02	.25	1	5
AU 0+50S 1+00E	3	76	56	145	.3	18	20	1476	4.90	23	7	ND	2	87	1	2	2	65	.36	.205	71	23	.81	450	.06	3	2.04	.01	.36	1	20
AU 0+50S 1+25E	3	220	87	241	.3	20	36	2650	7.75	15	8	ND	8	112	1	2	4	90	.49	.221	91	18	1.14	675	.14	4	2.17	.01	.72	1	2
AU 0+50S 1+75E	27	138	137	268	.7	27	54	5206	8.01	60	9	ND	10	157	1	14	2	105	.46	.193	100	25	1.23	829	.10	3	1.98	.01	.41	1	150
AU 0+50S 2+00E	10	180	150	255	.8	20	48	3838	7.93	50	13	ND	27	149	1	16	4	121	.79	.345	141	23	1.49	634	.16	2	1.64	.02	.64	1	80
AU 0+50S 2+25E	13	164	150	251	.6	18	47	3737	8.10	56	11	ND	19	201	1	16	2	108	.59	.257	122	19	1.03	684	.10	3	1.57	.02	.37	1	110
AU 0+50S 2+50E	10	164	143	249	.7	21	44	3525	7.73	46	9	ND	25	151	1	14	2	117	.81	.360	148	26	1.37	603	.15	2	1.59	.02	.59	1	109
AU 0+50S 2+75E	14	201	326	335	.8	34	60	3298	9.22	191	14	ND	19	319	1	70	7	77	.46	.308	114	15	.61	364	.06	5	1.44	.01	.31	1	125
AU 0+50S 3+00E	10	182	198	185	.7	27	68	7210	6.96	135	8	ND	2	147	1	21	3	66	.19	.435	82	30	.51	414	.02	3	2.16	.01	.23	1	35
AU 1+00S 0+00E	17	74	75	119	.3	19	21	1528	6.80	99	5	ND	1	356	1	4	2	53	.05	.350	69	42	.95	261	.01	4	1.65	.05	.39	1	4
AU 1+00S 0+25E	15	98	53	137	.2	24	29	1358	6.99	92	5	ND	5	256	1	2	2	79	.30	.360	60	44	1.57	308	.09	2	2.26	.02	.51	1	5
AU 1+00S 0+50E	11	90	86	136	.3	15	19	1023	8.25	108	11	ND	7	418	1	3	2	63	.15	.410	60	28	1.09	129	.05	2	1.96	.06	.59	1	16
AU 1+00S 0+75E	13	85	93	149	.4	23	27	2069	7.29	97	7	ND	6	225	1	4	4	50	.20	.325	76	25	.59	292	.04	6	1.77	.04	.24	1	49
AU 1+00S 1+00E	7	76	70	168	.2	22	22	2130	5.90	31	6	ND	2	125	1	2	2	80	.36	.272	74	26	.95	411	.07	6	2.11	.02	.44	1	4
AU 1+00S 1+25E	10	61	93	139	.3	15	25	6167	5.33	38	5	ND	1	101	1	3	2	66	.10	.215	70	18	.28	541	.02	2	1.18	.02	.29	1	5
AU 1+00S 1+50E	9	44	49	85	.2	7	13	407	4.40	35	6	ND	1	70	1	6	2	48	.03	.149	82	9	.11	158	.01	5	.74	.01	.12	1	1
AU 1+00S 1+75E	19	102	213	286	.5	24	40	3981	6.75	104	9	ND	3	113	1	30	5	47	.13	.265	89	14	.24	292	.01	2	1.81	.01	.08	1	130
AU 1+00S 2+00E	38	134	308	166	.7	12	22	1467	6.72	134	11	ND	5	273	1	88	2	25	.08	.277	92	12	.23	257	.01	2	1.62	.04	.11	1	285
AU 1+00S 2+25E	17	88	168	135	.5	12	30	1920	6.56	160	5	ND	13	92	1	55	3	20	.25	.339	95	8	.14	103	.01	3	.88	.01	.07	1	750
AU 1+00S 2+50E	44	137	794	343	1.2	19	58	3000	9.50	173	13	ND	22	286	1	438	7	18	.19	.457	122	4	.12	222	.01	2	1.32	.02	.12	1	1150
AU 1+00S 2+75E	19	330	4467	1661	2.6	21	70	4788	10.33	219	10	ND	17	181	7	2057	10	34	.40	.456	138	6	.15	266	.01	6	.97	.01	.10	1	860
AU 1+50S 4+50W	2	97	17	115	.1	63	49	1612	9.36	12	5	ND	1	10	1	5	2	330	.53	.047	12	131	4.22	79	.38	2	3.92	.01	.44	1	8
AU 1+50S 4+25W	3	258	18	123	.1	81	51	1050	10.60	30	5	ND	1	30	1	3	2	275	.41	.105	14	84	2.51	50	.35	4	3.17	.01	.05	1	4
AU 1+50S 4+00W	6	84	44	167	.6	901	65	2032	8.43	329	5	ND	5	139	1	18	2	57	.10	.132	25	337	1.27	340	.07	7	1.40	.03	.17	1	70
STD C/AU 0.5	21	61	40	141	7.2	69	32	1164	3.95	43	17	8	32	50	19	17	22	66	.48	.112	38	62	.88	190	.09	36	1.72	.07	.13	13	500

IMPERIAL METALS PROJECT 4120 FILE # 86-2127 PAGE

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 1+50S 3+75W	7	90	51	193	.9	1306	75	1572	8.27	487	5	ND	6	242	1	19	2	47	.19	.112	33	380	2.66	277	.01	4	.91	.05	.25	1	125
AU 1+50S 3+50W	4	109	15	85	.3	2646	136	1152	4.74	603	5	ND	2	120	1	16	2	61	.75	.049	11	730	5.31	137	.01	3	1.53	.01	.08	1	32
AU 1+50S 3+25W	6	122	49	259	.3	1215	77	1704	6.77	325	5	ND	3	391	1	10	2	79	1.16	.070	22	266	2.76	322	.08	10	1.62	.02	.46	1	34
AU 1+50S 3+00W	31	56	698	31	.8	19	9	315	12.18	596	7	ND	20	638	1	368	2	25	.03	.415	78	18	.11	56	.01	2	.36	.21	1.38	1	335
AU 1+50S 2+75W	49	75	134	31	.7	12	11	104	16.65	930	10	ND	8	525	1	85	2	33	.03	.517	74	17	.08	45	.01	2	.42	.38	1.40	1	290
AU 1+50S 2+50W	32	77	655	30	.5	5	11	138	17.97	822	5	ND	18	662	1	362	6	24	.03	.441	68	14	.07	50	.01	2	.68	.50	1.35	1	105
AU 1+50S 2+25W	56	69	135	28	.5	5	10	98	16.61	882	5	ND	25	1531	1	47	2	19	.03	.444	64	8	.06	65	.01	2	.42	.44	1.29	1	170
AU 1+50S 2+00W	71	59	198	35	.6	10	10	124	14.31	529	5	ND	16	915	1	37	3	19	.02	.415	57	11	.09	49	.01	3	.34	.27	1.33	1	70
AU 1+50S 1+75W	196	88	381	52	2.0	8	13	199	17.85	646	7	ND	17	1280	1	59	11	25	.03	.957	80	8	.09	44	.02	2	.38	.42	1.26	1	170
AU 1+50S 1+50W	248	85	244	57	6.3	5	11	343	13.60	509	12	ND	13	808	1	30	4	14	.03	.719	63	4	.04	43	.01	3	.53	.22	1.14	1	225
AU 1+50S 1+25W	108	91	254	226	1.0	22	22	2845	7.84	371	18	ND	21	225	1	25	2	30	.05	.188	110	14	.14	280	.02	5	1.14	.04	.17	4	110
AU 1+50S 0+75W	205	300	288	243	1.4	35	54	3558	12.20	409	15	ND	33	620	1	17	2	27	.16	.549	140	10	.16	147	.01	3	.97	.06	.36	1	75
AU 1+50S 0+50W	180	212	612	278	1.7	31	47	5039	8.94	349	18	ND	35	229	1	88	5	30	.03	.251	116	8	.13	249	.01	2	1.31	.05	.20	5	140
AU 1+50S 0+25W	26	63	145	102	.5	10	13	566	9.73	184	8	ND	2	724	1	14	8	28	.06	.516	49	12	.36	66	.01	4	1.20	.16	.53	1	8
AU 1+50S 0+00W	25	89	127	113	1.1	10	15	423	12.99	257	7	ND	11	1193	1	10	12	31	.03	.570	37	17	.61	72	.02	4	1.25	.17	.71	1	14
AU 1+50S 0+25E	13	111	61	146	.2	33	37	1764	7.09	95	5	ND	6	288	1	2	2	74	.28	.389	46	40	1.52	271	.09	3	2.00	.04	.55	1	13
AU 1+50S 0+50E	10	62	76	109	.1	12	14	1115	6.50	83	5	ND	2	317	1	2	2	58	.07	.325	52	23	.86	259	.04	2	1.62	.05	.44	1	10
AU 1+50S 0+75E	16	64	196	90	.5	14	15	526	8.45	107	5	ND	7	569	1	4	20	33	.10	.453	45	13	.34	114	.02	6	1.23	.10	.45	1	39
AU 1+50S 1+00E	14	65	122	120	.3	22	20	1773	5.78	58	9	ND	3	174	1	2	2	45	.16	.278	65	18	.49	325	.04	2	1.45	.03	.28	1	24
AU 1+50S 1+25E	7	78	87	120	.3	20	27	2030	5.63	45	5	ND	2	103	1	6	2	43	.21	.292	68	16	.36	252	.03	3	1.40	.02	.17	1	13
AU 1+50S 1+50E	10	70	105	153	.1	23	29	7475	5.39	55	5	ND	1	74	1	9	3	40	.07	.241	76	17	.20	537	.02	2	1.37	.01	.15	1	17
AU 1+50S 1+75E	13	67	83	117	.1	15	16	1980	5.12	49	5	ND	1	84	1	15	2	40	.06	.217	60	13	.21	199	.02	2	1.35	.01	.10	1	27
AU 1+50S 2+00E	15	66	137	94	.1	14	14	1836	4.22	53	5	ND	1	93	1	35	2	33	.03	.173	72	9	.10	188	.01	3	.77	.01	.09	1	85
AU 1+50S 2+25E	20	182	147	118	1.0	20	20	575	8.23	132	11	ND	5	424	1	76	8	34	.04	.375	91	7	.07	469	.01	2	2.42	.02	.09	1	80
AU 1+50S 2+50E	7	105	114	158	.2	25	39	1922	5.63	64	5	ND	6	174	1	27	2	34	.13	.219	62	11	.21	265	.01	2	1.28	.02	.12	1	105
AU 2+00S 4+50W	1	91	19	102	.1	66	44	1440	8.54	8	5	ND	1	11	1	2	2	291	.41	.058	2	108	3.60	92	.31	3	3.57	.01	.40	1	4
AU 2+00S 4+25W	1	98	13	123	.1	56	45	1463	8.86	16	5	ND	1	11	1	2	2	351	.22	.058	2	93	3.64	70	.25	2	3.59	.01	.27	1	2
AU 2+00S 4+00W	5	106	20	168	.2	589	53	2071	6.37	67	5	ND	2	36	1	2	2	162	.28	.107	8	318	3.54	170	.27	3	2.70	.01	.22	1	13
AU 2+00S 3+75W	4	75	18	105	.5	1875	102	1980	7.22	288	5	ND	2	64	1	8	2	118	.19	.065	2	837	7.34	135	.04	10	2.76	.01	.08	1	10
AU 2+00S 3+50W	3	87	36	140	.3	704	57	1223	7.08	298	5	ND	2	303	1	4	2	138	1.24	.075	2	450	4.07	189	.06	7	2.07	.01	.21	1	37
AU 2+00S 3+25W	9	118	93	198	.3	234	49	3231	7.89	232	7	ND	2	249	1	16	2	45	.28	.270	44	98	.46	499	.01	6	1.08	.02	.19	1	29
AU 2+00S 3+00W	21	175	137	275	.9	91	42	3866	11.69	390	22	ND	6	670	1	20	2	44	.54	.311	48	32	.29	88	.01	4	1.90	.08	.38	1	135
AU 2+00S 2+75W	20	109	234	84	.8	25	17	1015	13.06	802	13	ND	9	785	1	59	3	34	.04	.560	62	20	.08	49	.01	4	.92	.20	.99	1	265
AU 2+00S 2+50W	34	42	205	38	.7	25	10	92	9.60	432	8	ND	3	469	1	50	2	37	.03	.286	52	20	.06	43	.01	2	.49	.17	.82	1	27
AU 2+00S 2+25W	44	63	181	32	.5	13	9	99	13.59	723	5	ND	25	1056	1	68	6	19	.02	.389	52	14	.08	53	.01	3	.44	.32	1.09	1	105
AU 2+00S 2+00W	172	43	244	20	1.4	15	11	102	19.50	959	8	ND	29	527	1	48	2	20	.02	.362	48	16	.10	50	.01	3	.21	.32	2.41	1	275
STD C/AU-0.5	19	61	43	141	7.0	75	32	1163	3.94	42	16	8	31	49	19	15	20	65	.48	.113	35	62	.88	187	.08	36	1.73	.07	.13	14	490

IMPERIAL METALS PROJECT - 4120 FILE # 86-2127

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 2+00S 1+75W	190	45	275	27	1.8	5	8	142	12.87	418	5	ND	14	892	1	41	2	18	.02	.509	53	10	.07	56	.01	2	.31	.25	1.18	2	220
AU 2+00S 1+50W	168	122	227	178	1.8	18	22	1544	13.96	466	14	ND	31	873	1	20	2	25	.05	.487	159	5	.07	61	.01	2	.89	.18	.72	1	85
AU 2+00S 0+75W	57	70	235	162	1.4	19	12	978	7.69	291	9	ND	3	205	1	78	2	28	.04	.206	83	24	.12	245	.01	2	1.19	.04	.17	15	210
AU 2+00S 0+50W	93	127	266	172	.9	22	25	2332	7.68	252	11	ND	16	228	1	51	2	26	.03	.265	89	15	.19	256	.02	2	1.29	.05	.19	3	115
AU 2+00S 0+25W	39	37	149	65	.5	7	7	517	5.10	91	6	ND	1	380	1	10	2	29	.04	.256	63	11	.21	117	.01	2	.66	.05	.29	1	18
AU 2+00S 0+00W	20	62	99	98	.5	13	14	658	7.89	114	5	ND	2	483	1	7	3	39	.04	.383	48	25	.70	108	.02	5	1.49	.06	.38	1	11
AU 2+00S 0+25E	11	87	51	125	.3	25	28	1445	6.91	88	5	ND	7	286	1	2	2	67	.26	.393	48	37	1.35	258	.08	2	1.75	.04	.54	1	18
AU 2+00S 0+50E	10	51	73	91	.1	13	12	744	6.10	70	5	ND	1	294	1	2	2	50	.08	.313	47	23	.69	253	.03	3	1.37	.04	.34	1	13
AU 2+00S 0+75E	13	54	81	99	.3	12	17	701	6.67	89	5	ND	2	307	1	3	2	31	.10	.393	47	17	.44	281	.02	2	1.70	.04	.27	1	16
AU 2+00S 1+00E	18	29	118	64	.3	9	8	736	3.92	46	5	ND	1	188	1	3	2	29	.05	.211	61	11	.17	314	.01	2	.60	.03	.19	1	80
AU 2+00S 1+25E	7	70	74	110	.3	21	22	2064	5.17	46	8	ND	5	107	1	6	2	36	.25	.300	69	18	.36	217	.04	2	1.19	.02	.16	1	20
AU 2+00S 1+50E	8	65	76	137	.4	19	20	3389	5.24	54	6	ND	1	84	1	12	2	35	.13	.260	69	18	.27	258	.02	2	1.19	.02	.13	1	23
AU 2+00S 1+75E	12	68	100	119	.4	24	19	4787	5.00	58	6	ND	2	87	1	23	2	42	.05	.250	63	22	.27	305	.03	2	1.25	.02	.14	1	28
AU 2+00S 2+00E	10	60	77	107	.2	11	19	2056	4.41	56	5	ND	1	117	1	15	2	29	.02	.232	55	8	.08	227	.01	2	.87	.01	.10	1	35
AU 2+00S 2+25E	5	30	59	105	.1	12	12	1885	3.37	18	5	ND	1	75	1	3	2	56	.13	.161	53	21	.91	389	.04	3	1.62	.01	.46	1	18
AU 2+00S 2+50E	2	41	59	103	.1	15	18	2132	4.02	18	5	ND	1	56	1	4	2	67	.10	.157	53	22	1.22	403	.07	2	2.20	.01	.47	1	12
AU 2+00S 2+75E	4	73	45	91	.1	24	17	520	5.58	41	5	ND	1	58	1	2	2	46	.10	.186	39	28	.38	147	.02	2	1.58	.01	.11	1	16
AU 2+50S 4+00W	3	49	26	98	.1	1029	84	1817	7.17	227	5	ND	1	33	1	11	2	123	.10	.102	14	762	5.31	164	.03	5	1.90	.01	.07	1	13
AU 2+50S 3+50W	17	88	212	104	.6	57	20	1435	8.82	309	5	ND	13	555	1	74	2	29	.11	.294	66	32	.19	59	.01	4	.82	.12	.65	1	180
AU 2+50S 3+25W	35	74	208	77	.8	15	12	638	13.65	577	5	ND	10	948	1	31	2	29	.03	.428	63	14	.07	59	.01	2	.79	.26	1.26	1	140
AU 2+50S 3+00W	19	84	163	79	.7	20	13	865	10.55	588	7	ND	11	580	1	42	2	29	.04	.475	70	18	.08	52	.01	4	.74	.15	.76	1	180
AU 2+50S 2+75W	44	46	165	51	1.0	71	11	302	9.22	407	5	ND	6	332	1	26	2	38	.02	.260	45	75	.27	64	.02	2	.87	.08	.59	1	65
AU 2+50S 2+50W	16	60	102	39	.9	20	7	177	6.52	242	5	ND	2	279	1	24	2	19	.02	.337	38	22	.10	113	.01	2	1.10	.07	.24	2	70
AU 2+50S 2+25W	66	35	176	22	1.1	9	7	123	13.01	666	5	ND	7	776	1	43	2	15	.02	.295	49	11	.06	54	.01	2	.60	.20	1.08	1	125
AU 2+50S 2+00W	152	38	218	26	1.3	7	7	92	11.98	434	5	ND	11	777	1	41	4	16	.02	.389	48	8	.06	46	.01	3	.31	.21	1.13	1	135
AU 2+50S 1+75W	197	107	303	167	1.9	22	21	1520	12.40	370	6	ND	18	716	1	25	7	20	.06	.533	95	5	.05	62	.01	4	.74	.14	.71	1	85
AU 2+50S 1+50W	151	100	369	164	1.5	20	28	4500	8.84	254	5	ND	1	317	1	10	4	20	.09	.457	92	8	.09	209	.01	4	.79	.06	.21	1	30
AU 2+50S 0+25W	113	106	205	160	2.3	27	31	1525	8.38	176	13	ND	14	345	1	29	4	23	.11	.294	68	15	.31	166	.02	3	1.32	.06	.25	1	46
AU 2+50S 0+00W	32	34	190	70	.5	10	7	184	4.62	112	5	ND	1	363	1	15	5	32	.03	.224	75	14	.21	219	.01	2	.66	.05	.25	1	35
AU 2+50S 0+25E	12	50	66	102	.1	18	13	830	6.21	80	5	ND	1	231	1	2	3	68	.10	.322	48	33	1.09	306	.05	2	1.37	.04	.35	1	13
AU 2+50S 0+50E	9	33	65	88	.3	10	9	454	5.14	70	5	ND	1	172	1	3	4	72	.05	.286	52	30	.89	304	.03	3	1.33	.02	.19	1	12
AU 2+50S 0+75E	11	38	90	95	.3	15	14	1145	5.16	74	5	ND	1	198	1	2	2	58	.09	.273	55	26	.67	314	.04	2	1.35	.03	.22	1	20
AU 2+50S 1+00E	19	33	157	60	.3	9	8	191	4.88	60	5	ND	1	238	1	2	2	29	.03	.242	64	11	.13	304	.01	2	.64	.04	.23	1	12
AU 2+50S 1+25E	7	69	70	99	.2	17	18	1085	5.30	51	5	ND	1	104	1	6	4	27	.19	.266	63	14	.24	196	.01	5	.84	.02	.12	1	19
AU 2+50S 1+50E	11	67	168	135	.4	20	21	2412	5.21	75	5	ND	3	102	1	40	2	31	.20	.293	71	17	.21	183	.02	2	1.19	.02	.09	1	110
AU 2+50S 1+75E	15	46	91	87	.2	12	10	1545	3.71	49	5	ND	1	96	1	17	2	34	.05	.158	59	12	.08	310	.01	2	.58	.02	.10	1	30
STD C/AU 0.5	21	59	37	141	6.7	72	31	1227	3.95	42	17	8	32	49	21	16	20	68	.48	.114	37	66	.89	182	.09	36	1.73	.06	.13	14	495

IMPERIAL METALS PROJECT - 4120 FILE # 86-3127

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPB	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 2+50S 2+00E	6	22	47	70	.3	11	6	451	2.70	36	5	ND	1	71	1	10	2	38	.05	.137	54	12	.17	211	.01	2	.89	.01	.12	1	26
AU 2+50S 2+25E	5	33	43	66	.4	7	8	852	2.66	17	5	ND	1	54	1	2	2	29	.02	.124	50	9	.16	378	.01	4	1.20	.01	.14	1	5
AU 2+50S 2+50E	3	60	68	115	.1	21	17	1799	4.67	32	5	ND	1	62	1	5	2	45	.14	.280	50	22	.36	250	.03	2	1.94	.01	.23	1	9
AU 2+50S 2+75E	6	61	77	116	.2	13	15	1510	4.06	32	5	ND	1	72	1	6	2	47	.05	.119	54	13	.26	283	.04	2	1.08	.01	.22	1	14
AU 2+50S 3+00E	2	46	46	113	.1	17	14	951	4.68	26	5	ND	1	49	1	4	2	55	.09	.156	43	27	.40	229	.02	2	1.64	.01	.29	1	6
AU 2+50S 3+25E	2	97	90	122	.2	23	20	2624	5.26	26	5	ND	3	97	1	4	2	62	.30	.212	57	22	1.07	372	.12	2	2.09	.01	.46	1	8
AU 2+50S 3+75E	4	74	77	134	.2	361	34	1593	6.67	203	5	ND	3	203	1	22	2	108	.07	.133	28	261	1.88	376	.06	2	2.04	.03	.27	1	39
AU 3+00S 3+50W	3	40	29	271	.7	356	29	2111	3.29	277	21	ND	1	552	1	3	2	42	1.58	.198	18	219	1.27	226	.02	8	1.51	.01	.07	2	19
AU 3+00S 3+25W	5	35	29	66	.9	55	10	800	3.42	96	5	ND	1	39	1	6	2	43	.03	.104	48	93	.54	96	.03	4	1.20	.01	.05	1	22
AU 3+00S 3+00W	24	23	118	39	.8	21	6	771	3.36	169	8	ND	1	209	1	15	6	37	.03	.124	75	34	.12	297	.03	2	.77	.02	.15	1	6
AU 3+00S 2+75W	13	56	82	64	.6	88	15	1022	5.54	221	5	ND	3	156	1	12	2	51	.04	.204	47	115	.86	254	.04	3	1.43	.03	.16	1	55
AU 3+00S 2+50W	43	43	145	32	.5	20	8	159	9.84	516	5	ND	6	677	1	53	3	17	.03	.295	51	18	.13	54	.01	2	.60	.18	.73	1	75
AU 3+00S 2+25W	130	39	208	27	1.7	13	8	112	12.08	467	5	ND	16	827	1	43	11	17	.02	.387	56	12	.19	54	.01	2	.36	.22	1.13	1	235
AU 3+00S 2+00W	109	30	181	31	2.3	43	6	69	7.60	274	5	ND	1	551	1	24	5	11	.02	.367	49	12	.05	58	.01	2	.37	.14	.66	1	120
AU 3+00S 1+75W	180	125	288	179	2.0	21	24	1804	10.68	375	7	ND	22	603	1	21	6	19	.08	.463	105	5	.06	75	.01	2	.74	.11	.57	1	60
AU 3+00S 1+50W	132	179	536	226	3.4	27	47	5689	12.55	296	20	ND	4	366	1	18	17	26	.11	.427	128	10	.16	253	.01	2	1.01	.05	.29	1	150
AU 3+00S 1+25W	93	168	496	205	2.7	16	30	3760	10.18	307	24	ND	37	432	1	40	12	25	.05	.291	179	7	.10	100	.01	2	.85	.08	.36	2	95
AU 3+00S 1+00W	101	180	453	167	5.5	11	20	1739	12.27	584	12	ND	72	713	1	97	6	26	.04	.276	218	5	.07	65	.01	2	.63	.17	.75	1	215
AU 3+00S 0+00W	21	17	158	38	.6	3	3	272	1.57	98	5	ND	1	162	1	26	5	13	.06	.109	78	5	.08	220	.01	2	.36	.02	.13	14	250
AU 3+00S 0+25E	11	59	72	96	.3	19	13	687	5.33	85	6	ND	2	251	1	8	2	57	.12	.252	58	33	1.02	382	.04	2	1.68	.03	.32	2	31
AU 3+00S 0+50E	15	39	136	107	.7	15	14	4123	4.50	97	5	ND	1	168	1	12	2	54	.05	.203	61	24	.34	450	.02	2	.92	.03	.21	1	31
AU 3+00S 0+75E	13	28	105	59	1.2	7	7	352	3.80	66	5	ND	1	216	1	5	2	44	.03	.174	70	15	.34	378	.02	4	.76	.03	.21	1	29
AU 3+00S 1+00E	15	33	131	56	.4	8	8	293	5.69	67	5	ND	1	213	1	5	3	34	.03	.325	62	13	.19	424	.01	3	1.01	.03	.19	1	9
AU 3+00S 1+25E	10	64	91	101	.4	20	19	2418	5.05	96	5	ND	2	120	1	10	2	30	.13	.259	69	16	.27	251	.02	3	1.18	.02	.16	1	150
AU 3+00S 1+50E	10	71	115	125	.6	21	18	2161	4.99	78	5	ND	3	105	1	23	2	28	.16	.264	71	17	.24	182	.02	3	1.17	.02	.19	1	72
AU 3+00S 1+75E	8	29	64	66	.3	10	6	585	2.57	31	5	ND	1	84	1	7	4	30	.03	.143	58	10	.08	218	.01	2	.89	.01	.12	1	12
AU 3+00S 2+00E	6	25	46	68	.3	7	10	3632	2.65	20	5	ND	1	53	1	4	2	33	.04	.146	41	14	.19	319	.01	3	1.07	.01	.15	1	6
AU 3+00S 2+25E	5	41	34	82	.1	13	9	354	3.36	28	5	ND	1	50	1	4	2	34	.04	.134	54	10	.11	150	.01	2	1.19	.01	.09	1	11
AU 3+00S 2+50E	12	47	60	85	.3	19	10	278	4.50	31	5	ND	1	89	1	3	2	40	.28	.337	42	21	.31	172	.02	2	1.41	.01	.12	1	13
AU 3+00S 2+75E	4	41	45	102	.1	12	12	1282	4.22	26	5	ND	1	69	1	2	2	50	.14	.222	48	25	.54	274	.03	2	1.88	.01	.27	1	9
AU 3+00S 3+00E	5	57	34	153	.1	14	10	157	3.26	12	5	ND	1	45	1	2	2	22	.05	.070	24	5	.03	91	.01	4	.62	.01	.08	1	6
AU 3+00S 3+25E	6	49	49	103	.2	19	14	724	5.27	31	5	ND	2	61	1	7	3	46	.06	.161	48	20	.38	194	.03	4	1.53	.01	.18	1	25
AU 3+00S 3+50E	3	54	42	107	.1	12	17	1541	4.80	17	5	ND	1	49	1	4	2	61	.13	.182	46	18	.66	261	.07	3	1.50	.01	.25	1	4
AU 3+00S 3+75E	3	78	57	116	.3	18	24	2230	5.91	41	5	ND	1	108	1	12	2	58	.24	.228	49	23	.42	344	.03	4	1.82	.01	.19	1	8
AU 3+00S 4+00E	5	46	58	93	.2	13	14	517	4.68	74	5	ND	1	56	1	29	2	33	.04	.162	27	8	.10	182	.01	2	.90	.01	.12	1	6
AU 3+00S 4+25E	8	62	64	143	.5	17	17	1632	6.63	200	5	ND	1	114	1	36	5	44	.04	.213	52	14	.09	260	.01	4	.97	.01	.10	1	28
STD C/AU-0.5	20	58	39	139	7.2	73	30	1136	3.92	42	20	8	32	48	18	17	21	63	.48	.109	38	62	.89	191	.08	34	1.73	.07	.13	14	490

IMPERIAL METALS PROJECT - 4120 FILE # 86-2127

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 3+50S 3+75W	1	48	19	81	.7	394	22	424	4.42	314	5	ND	1	18	1	6	2	101	.02	.050	8	700	2.50	45	.12	2	2.04	.01	.05	1	22
AU 3+50S 3+50W	1	27	15	58	.6	74	8	90	2.53	57	5	ND	1	16	1	2	2	86	.02	.041	11	198	.92	43	.04	2	1.28	.01	.02	1	12
AU 3+50S 3+25W	1	28	17	74	.2	127	12	543	3.91	52	5	ND	1	29	1	2	2	89	.03	.070	12	353	1.37	93	.07	2	1.74	.01	.05	1	12
AU 3+50S 3+00W	57	143	126	242	.5	55	39	2890	13.82	630	12	ND	11	137	1	13	2	40	.40	.306	107	28	.16	85	.01	2	.72	.01	.04	1	260
AU 3+50S 2+75W	11	105	134	86	10.7	65	11	308	3.73	91	14	ND	1	43	1	7	2	39	.08	.155	48	120	.73	52	.02	2	2.49	.01	.05	1	39
AU 3+50S 2+50W	5	25	45	57	.7	37	8	607	3.83	99	5	ND	1	43	1	5	2	48	.03	.125	31	89	.46	111	.03	2	1.28	.01	.06	1	22
AU 3+50S 2+25W	8	41	61	70	1.1	69	13	1155	4.64	105	5	ND	1	51	1	5	2	58	.03	.135	28	200	.80	89	.06	2	1.77	.01	.06	2	29
AU 3+50S 1+75W	170	127	265	151	2.1	23	23	1676	9.42	332	17	ND	19	496	1	17	2	18	.05	.402	96	11	.09	56	.01	2	.76	.10	.50	1	120
AU 3+50S 1+50W	188	146	265	160	1.9	26	27	1915	9.80	339	17	ND	19	491	1	17	2	21	.09	.436	103	13	.14	66	.01	2	.83	.09	.48	1	110
AU 3+50S 1+25W	83	160	361	181	2.6	15	26	2173	9.18	277	26	ND	48	376	1	37	2	23	.04	.276	153	5	.07	91	.01	2	.66	.08	.35	1	120
AU 3+50S 1+00W	110	153	454	149	3.5	16	26	2776	10.98	331	20	ND	27	460	1	35	7	26	.06	.369	137	9	.13	64	.01	2	.83	.10	.53	1	160
AU 3+50S 0+75W	106	160	394	139	5.5	7	20	1302	12.46	389	19	ND	65	670	1	97	5	25	.04	.298	193	2	.06	53	.01	2	.53	.17	.79	1	140
AU 3+50S 0+50W	85	215	705	226	3.5	17	35	3916	9.92	840	31	ND	55	248	1	236	4	28	.04	.220	101	9	.13	215	.01	2	.87	.05	.20	6	450
AU 3+50S 0+25W	65	162	461	200	1.6	15	30	2677	7.56	1198	23	ND	47	240	1	332	2	26	.07	.213	123	7	.15	187	.01	2	.80	.04	.22	27	710
AU 3+50S 0+00W	41	168	292	342	1.8	36	45	4191	7.56	740	26	ND	16	222	1	92	2	52	.32	.265	204	25	.58	423	.05	2	1.38	.02	.29	7	460
AU 3+50S 0+25E	29	59	174	106	.6	13	14	1583	5.04	240	7	ND	1	229	1	44	2	47	.11	.248	66	24	.45	404	.01	2	.83	.03	.22	1	270
AU 3+50S 0+50E	13	49	104	104	.4	13	11	587	4.73	105	9	ND	1	162	1	11	2	60	.09	.223	62	25	.61	327	.04	2	.89	.02	.19	1	55
AU 3+50S 0+75E	14	32	129	61	.5	9	9	643	4.97	84	9	ND	1	148	1	12	4	48	.03	.256	66	24	.30	343	.01	3	.90	.02	.14	1	36
AU 3+50S 1+00E	24	36	172	60	1.2	19	10	498	6.32	104	7	ND	1	200	1	25	9	30	.03	.337	50	15	.17	523	.01	2	.45	.02	.22	1	47
AU 3+50S 1+25E	9	68	125	107	.7	16	17	1022	5.40	86	10	ND	3	120	1	38	2	23	.15	.309	68	11	.18	226	.01	3	.99	.02	.12	1	70
AU 3+50S 1+50E	8	46	103	96	.6	11	11	328	6.35	100	8	ND	3	172	1	19	2	61	.10	.328	53	28	.73	290	.05	2	1.85	.02	.19	1	37
AU 3+50S 1+75E	5	8	53	21	.4	6	2	98	.97	13	5	ND	1	58	1	3	4	20	.02	.089	73	17	.06	129	.01	2	.57	.01	.04	1	27
AU 3+50S 2+00E	5	30	55	52	.4	8	6	180	3.13	29	5	ND	1	43	1	5	2	30	.02	.147	49	11	.10	120	.01	2	.93	.01	.07	1	23
AU 3+50S 2+25E	11	34	46	56	.3	7	9	611	3.76	27	6	ND	1	41	1	5	2	27	.02	.194	53	13	.13	109	.01	2	1.29	.01	.07	1	8
AU 3+50S 2+50E	20	52	75	128	.1	14	21	3012	5.78	40	5	ND	1	58	1	4	2	38	.07	.226	50	10	.07	253	.01	2	.65	.01	.08	1	5
AU 3+50S 2+75E	4	42	43	78	.1	10	12	1291	3.23	22	5	ND	1	43	1	3	2	26	.03	.126	46	10	.08	226	.01	2	.87	.01	.10	1	8
AU 3+50S 3+00E	4	36	48	87	.1	14	13	1530	3.78	28	5	ND	1	48	1	3	2	39	.03	.151	45	17	.20	187	.01	2	1.33	.01	.13	1	8
AU 3+50S 3+25E	6	40	62	98	.1	14	17	2604	3.72	29	7	ND	1	58	1	4	2	32	.06	.167	52	15	.24	217	.02	2	1.25	.01	.17	1	6
AU 3+50S 3+50E	6	59	45	114	.1	13	15	1168	4.70	44	5	ND	1	51	1	6	2	54	.07	.145	52	14	.13	260	.01	2	1.06	.01	.12	1	3
AU 3+50S 3+75E	2	49	33	102	.1	13	13	468	4.85	35	5	ND	1	37	1	8	2	52	.03	.158	42	18	.37	194	.02	2	1.54	.01	.15	1	6
AU 3+50S 4+00E	1	48	72	157	.3	20	19	734	6.27	38	17	ND	18	156	1	10	2	86	.34	.196	59	42	.40	801	.05	4	1.58	.01	.25	1	10
AU 3+50S 4+25E	1	45	41	113	.1	15	16	1358	4.33	41	5	ND	1	55	1	15	2	48	.04	.143	46	24	.28	146	.01	2	1.59	.01	.18	1	15
AU 3+50S 4+50E	2	47	82	137	.2	16	31	4659	4.59	77	5	ND	1	65	1	15	2	33	.15	.198	51	16	.19	472	.01	4	.71	.01	.17	1	130
AU 3+50S 4+75E	12	47	45	106	.9	15	14	648	5.13	287	7	ND	1	67	1	26	2	45	.03	.182	46	14	.20	116	.01	6	.82	.01	.12	1	245
AU 3+50S 5+00E	10	54	38	103	.8	14	14	309	4.91	305	8	ND	1	65	1	26	2	53	.04	.148	46	14	.11	118	.01	5	.68	.01	.07	1	135
AU 3+50S 5+25E	3	50	30	70	.4	9	12	352	4.23	104	7	ND	2	46	1	11	2	85	.07	.122	29	21	.21	71	.08	3	.64	.01	.08	1	60
STD C/AU 0.5	21	60	39	142	7.3	76	32	1158	3.94	44	21	8	31	47	18	15	17	65	.48	.118	33	62	.88	176	.08	36	1.73	.06	.13	12	510

IMPERIAL METALS PROJECT - 4129 FILE # 86-2129 PAGE

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 3+50S 5+50E	14	48	38	125	.8	20	12	413	4.74	275	5	ND	1	53	1	51	2	43	.01	.109	49	9	.07	91	.01	2	.69	.01	.06	1	225
AU 3+50S 5+75E	6	25	45	57	.5	12	6	172	2.19	59	5	ND	1	107	1	16	2	21	.01	.106	51	5	.04	113	.01	3	.53	.01	.05	1	25
AU 3+50S 6+00E	5	24	43	61	.4	40	6	97	3.20	211	5	ND	1	53	1	74	2	24	.01	.092	27	10	.04	82	.01	2	.74	.01	.05	1	25
AU 4+00S 0+00E	71	133	388	237	1.5	19	27	2911	8.36	812	31	ND	36	243	1	170	5	31	.05	.240	125	11	.20	243	.02	2	1.08	.05	.22	21	405
AU 4+00S 0+25E	10	69	73	118	.5	18	20	1110	6.22	92	7	ND	5	284	1	5	2	57	.13	.320	51	34	1.13	301	.06	2	1.72	.04	.44	1	23
AU 4+00S 0+50E	20	44	254	116	.9	11	10	1397	5.77	260	7	ND	1	160	1	55	7	57	.06	.239	65	26	.32	346	.02	2	.83	.02	.18	6	810
AU 4+00S 0+75E	25	62	449	161	1.9	21	26	9378	5.92	231	14	ND	2	118	1	85	5	41	.06	.239	71	20	.19	445	.02	2	.84	.02	.17	4	400
AU 4+00S 1+00E	34	144	802	390	2.0	39	43	5394	7.06	241	22	ND	13	197	1	298	11	53	.11	.320	143	30	.65	420	.04	2	2.08	.02	.21	1	670
AU 4+00S 1+25E	42	407	5961	1646	12.3	64	55	9887	8.91	245	53	ND	21	144	6	671	23	74	.34	.296	310	58	.78	860	.05	4	1.83	.01	.25	1	1150
AU 4+00S 1+50E	19	69	146	77	1.8	13	10	328	8.26	152	13	ND	3	196	1	31	10	40	.06	.507	52	28	.61	70	.02	2	.97	.06	.59	1	75
AU 4+00S 1+75E	9	24	109	53	.4	4	6	131	3.39	64	5	ND	2	79	1	6	4	52	.02	.178	72	10	.11	224	.01	2	.88	.01	.09	1	34
AU 4+00S 2+00E	5	43	61	89	.2	13	16	931	4.00	46	6	ND	2	53	1	7	2	60	.06	.116	43	21	.23	206	.05	2	.75	.01	.12	1	7
AU 4+00S 2+25E	7	28	82	61	.5	8	7	212	3.51	45	5	ND	3	90	1	10	3	50	.02	.152	70	15	.19	238	.03	2	1.05	.01	.11	1	25
AU 4+00S 2+50E	8	62	80	117	.1	14	16	1660	5.61	50	6	ND	1	85	1	15	2	45	.03	.178	67	14	.12	296	.01	2	1.00	.01	.12	1	11
AU 4+00S 2+75E	8	59	61	127	.1	14	24	3895	6.36	57	5	ND	1	58	1	11	2	33	.10	.206	54	10	.10	310	.01	2	.76	.01	.11	1	1
AU 4+00S 3+00E	3	49	30	101	.2	11	14	546	4.27	20	6	ND	1	60	1	3	2	50	.09	.154	48	20	.44	180	.02	3	1.26	.01	.29	1	3
AU 4+00S 3+25E	1	30	19	117	.1	10	14	497	3.87	5	5	ND	7	61	1	2	2	100	.39	.198	40	34	1.60	213	.22	3	1.56	.02	.27	1	2
AU 4+00S 3+50E	3	42	44	85	.2	10	11	569	3.46	32	5	ND	1	43	1	9	2	54	.03	.102	52	12	.19	187	.02	5	1.25	.01	.15	1	5
AU 4+00S 3+75E	1	59	39	114	.3	17	21	2240	5.28	73	5	ND	1	59	1	10	2	80	.10	.145	42	33	.68	266	.03	3	1.31	.01	.19	1	32
AU 4+00S 4+00E	1	38	39	118	.2	11	14	1087	3.89	165	7	ND	2	55	1	11	2	52	.10	.134	55	21	.29	234	.04	2	.90	.01	.19	1	209
AU 4+00S 4+25E	1	30	41	132	.2	14	15	1020	4.95	276	10	ND	1	47	1	8	2	70	.06	.142	77	36	.79	380	.05	3	1.85	.01	.27	1	70
AU 4+00S 4+50E	1	43	35	117	.1	13	12	437	3.97	476	6	ND	1	65	1	17	2	41	.08	.121	60	14	.15	266	.01	2	.81	.01	.14	1	160
AU 4+00S 4+75E	1	32	33	87	.2	9	10	1049	3.21	150	7	ND	1	48	1	14	2	41	.04	.107	52	14	.11	197	.01	2	.81	.01	.13	1	100
AU 4+00S 5+00E	9	45	42	97	.2	10	12	431	4.05	210	5	ND	1	52	1	22	2	43	.04	.116	47	10	.09	105	.01	3	.63	.01	.10	1	90
AU 4+00S 5+25E	16	72	54	148	.8	15	17	580	6.43	323	5	ND	1	65	1	69	3	65	.05	.254	53	13	.08	75	.01	2	.58	.01	.05	1	100
AU 4+00S 5+50E	17	61	48	125	1.2	18	18	500	6.13	1736	5	ND	1	82	1	63	2	48	.05	.157	52	12	.07	96	.01	3	.65	.01	.08	1	90
AU 4+00S 5+75E	10	22	27	68	.4	22	7	200	2.70	318	5	ND	1	66	1	30	2	35	.02	.066	51	11	.07	76	.01	2	.63	.01	.05	1	36
AU 4+00S 6+00E	5	12	21	40	.1	23	3	66	1.39	92	5	ND	1	44	1	12	2	22	.02	.071	45	8	.05	94	.01	4	.59	.01	.05	1	18
AU 4+50S 0+00E	16	81	115	132	.6	20	22	1279	6.92	193	5	ND	9	285	1	27	4	59	.18	.346	58	36	1.12	295	.07	2	1.62	.04	.46	1	60
AU 4+50S 0+25E	12	74	68	126	.4	21	19	1097	6.84	96	7	ND	5	277	1	6	5	64	.15	.350	66	37	1.24	325	.07	2	1.83	.04	.48	1	22
AU 4+50S 0+50E	15	73	83	136	.5	20	20	1312	6.85	102	9	ND	2	300	1	12	9	59	.14	.319	63	38	1.15	392	.04	6	1.75	.04	.40	1	45
AU 4+50S 0+75E	33	144	528	180	1.9	28	24	3159	6.53	172	22	ND	1	131	1	198	8	36	.11	.521	161	35	.41	219	.01	5	1.25	.02	.15	1	470
AU 4+50S 1+00E	15	32	201	93	1.6	10	7	214	5.89	89	5	ND	1	130	1	27	8	32	.07	.434	49	17	.30	429	.01	2	.56	.02	.26	2	36
AU 4+50S 1+25E	36	53	184	117	.9	21	20	1928	6.18	114	11	ND	2	121	1	23	10	35	.06	.339	82	22	.61	540	.02	2	1.15	.03	.28	1	65
AU 4+50S 1+50E	27	101	122	160	1.2	24	35	3508	8.54	122	7	ND	4	161	1	20	7	33	.30	.393	81	11	.25	529	.01	2	.91	.03	.17	1	90
AU 4+50S 1+75E	21	152	86	176	.4	29	46	4805	11.51	111	13	ND	10	189	1	17	5	35	.41	.339	91	8	.13	593	.01	3	.74	.02	.12	1	65
STD C/AU 0.5	21	57	42	144	7.3	71	30	1192	3.97	40	21	7	31	48	20	16	20	66	.48	.118	37	64	.89	177	.09	36	1.73	.06	.13	13	510

IMPERIAL METALS PROJECT - 4120 FILE # 86-2127

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 4+50S 2+00E	30	137	66	164	.3	33	38	3297	11.36	129	9	ND	5	298	1	17	4	28	.60	.292	62	8	.16	95	.01	3	.52	.02	.15	1	60
AU 4+50S 2+25E	20	183	69	207	.4	34	48	4558	10.97	77	8	ND	7	186	1	24	5	59	.36	.283	76	11	.18	393	.01	3	1.19	.01	.11	1	56
AU 4+50S 2+50E	8	58	62	86	.1	11	13	309	5.17	41	5	ND	3	90	1	7	3	45	.02	.133	62	11	.11	236	.01	2	.90	.01	.10	1	35
AU 4+50S 2+75E	1	47	15	103	.3	12	16	774	4.02	10	8	ND	11	53	1	2	2	66	.44	.231	61	35	1.40	126	.15	3	1.53	.02	.42	1	6
AU 4+50S 3+00E	5	22	38	63	.2	7	8	1976	2.96	21	5	ND	1	44	1	3	2	43	.08	.099	37	13	.12	208	.01	2	.68	.01	.10	1	17
AU 4+50S 3+25E	5	32	28	73	.4	9	10	799	3.15	19	5	ND	1	43	1	2	3	46	.07	.104	51	13	.33	171	.02	2	1.01	.01	.13	1	32
AU 4+50S 3+50E	4	37	33	84	.4	12	12	459	3.74	38	5	ND	1	37	1	6	2	67	.03	.084	62	23	.30	203	.02	3	1.16	.01	.12	1	53
AU 4+50S 3+75E	5	34	37	90	.1	12	13	450	3.98	50	5	ND	1	38	1	7	2	42	.07	.106	57	14	.16	132	.02	2	.76	.01	.13	1	19
AU 4+50S 4+00E	7	38	49	107	.3	13	12	455	4.41	95	5	ND	1	59	1	12	2	45	.02	.109	52	13	.13	161	.01	2	.89	.01	.09	1	80
AU 4+50S 4+25E	1	43	29	111	.2	15	17	635	4.46	82	5	ND	3	75	1	9	2	81	.28	.153	43	29	.85	185	.09	3	1.35	.01	.16	1	255
AU 4+50S 4+50E	2	28	28	73	.2	10	9	131	2.79	80	5	ND	1	33	1	9	2	43	.05	.067	58	9	.09	106	.02	2	.73	.01	.08	1	65
AU 4+50S 4+75E	4	25	28	78	.2	11	8	241	3.28	327	5	ND	1	47	1	23	2	39	.05	.080	59	10	.09	126	.01	2	.78	.01	.08	1	135
AU 4+50S 5+00E	4	23	26	48	.4	6	7	144	2.45	114	5	ND	1	36	1	11	2	37	.02	.086	56	8	.09	88	.01	3	.69	.01	.09	1	90
AU 4+50S 5+25E	26	62	40	108	.2	21	17	374	5.06	435	5	ND	1	50	1	68	2	44	.05	.105	45	8	.07	88	.01	2	.52	.01	.05	1	270
AU 4+50S 5+50E	1	21	27	71	.4	16	7	94	2.46	184	5	ND	2	28	1	22	2	21	.01	.046	55	7	.02	30	.01	2	.27	.01	.03	1	320
AU 4+50S 5+75E	12	26	44	66	.9	24	7	138	2.87	243	5	ND	1	59	1	25	2	26	.02	.064	42	9	.08	80	.01	2	.64	.01	.05	1	50
AU 4+50S 6+00E	8	31	37	89	.3	77	8	96	3.88	146	5	ND	1	71	1	26	2	25	.01	.072	28	10	.05	84	.01	2	.69	.02	.05	1	21
AU 5+00S 4+50W	2	69	7	95	.3	567	37	702	4.24	103	5	ND	1	336	1	3	2	111	1.75	.037	3	630	5.43	89	.10	2	2.52	.01	.41	1	8
AU 5+00S 4+25W	4	98	18	126	.5	461	42	939	5.87	78	5	ND	2	45	1	3	7	154	.29	.059	7	566	4.31	71	.10	2	2.74	.01	.26	1	45
AU 5+00S 4+00W	4	91	39	126	.7	424	38	974	5.77	139	5	ND	3	78	1	3	2	115	.39	.087	19	465	4.08	97	.10	2	2.48	.01	.24	1	37
AU 5+00S 3+75W	5	81	32	119	.5	462	41	1219	5.49	140	5	ND	2	71	1	3	5	106	.39	.081	15	502	4.14	80	.10	2	2.37	.01	.19	1	36
AU 5+00S 3+50W	3	69	40	106	.4	555	35	661	5.17	113	5	ND	1	68	1	3	4	128	.49	.063	10	615	5.43	77	.13	2	2.87	.01	.34	1	16
AU 5+00S 3+25W	4	60	25	103	.3	570	44	1088	4.99	140	5	ND	1	87	1	4	2	122	.57	.058	8	595	5.24	87	.12	3	2.74	.01	.32	1	11
AU 5+00S 3+00W	3	69	19	93	.4	576	41	887	5.03	131	5	ND	1	158	1	3	2	124	.87	.055	6	608	5.76	83	.14	4	2.87	.01	.36	1	12
AU 5+00S 2+75W	3	62	27	94	.2	593	44	1146	4.94	108	5	ND	1	68	1	4	5	124	.51	.062	9	619	5.50	82	.13	3	2.85	.01	.29	1	10
AU 5+00S 2+50W	3	48	23	98	.3	442	41	1015	4.82	118	6	ND	1	107	1	2	2	118	.66	.054	9	602	5.20	83	.11	2	2.74	.01	.29	1	13
AU 5+00S 2+25W	3	50	29	109	1.1	369	37	1011	5.05	110	6	ND	1	35	1	2	2	124	.25	.038	13	628	5.09	71	.11	2	2.89	.01	.11	1	12
AU 5+00S 2+00W	2	24	26	85	.7	189	14	199	3.72	78	5	ND	1	11	1	2	2	95	.05	.044	9	462	3.19	42	.07	2	2.17	.01	.04	1	16
AU 5+00S 1+75W	2	43	23	91	.7	200	17	465	4.03	131	5	ND	1	22	1	2	2	99	.04	.061	12	369	2.51	63	.04	4	2.00	.01	.05	1	60
AU 5+00S 1+50W	4	71	11	89	.2	658	44	1028	4.86	67	5	ND	1	38	1	3	2	105	.31	.055	11	615	6.00	62	.08	7	2.45	.01	.17	1	22
AU 5+00S 1+25W	4	63	6	97	.2	599	45	1069	5.07	70	5	ND	1	28	1	3	3	114	.21	.060	11	693	5.35	69	.06	7	2.66	.01	.08	1	14
AU 5+00S 0+75W	6	52	23	102	.3	426	34	800	4.89	86	5	ND	2	57	1	3	2	99	.42	.067	17	517	3.97	83	.07	4	2.22	.01	.04	1	21
AU 5+00S 0+25E	57	157	127	400	.6	51	21	5550	8.70	165	21	ND	1	255	1	94	6	38	.40	.364	113	56	.48	156	.01	3	1.74	.01	.13	1	130
AU 5+00S 0+50E	41	69	207	201	2.4	106	19	765	4.60	84	33	ND	1	62	1	21	3	55	.07	.094	40	192	1.39	110	.05	5	2.25	.01	.08	1	125
AU 5+00S 0+75E	7	29	64	167	.5	17	5	1175	4.21	40	8	ND	6	75	1	4	2	119	.28	.144	27	55	2.34	271	.25	2	2.11	.01	.61	1	22
AU 5+00S 1+00E	3	53	24	89	.4	343	26	824	3.75	67	7	ND	1	42	1	2	2	80	.56	.085	11	389	3.32	56	.05	5	1.85	.01	.07	1	2*
STD C/AU-0.5	21	57	38	134	7.2	67	30	1091	3.93	41	19	8	30	45	17	17	19	61	.48	.101	34	58	.88	169	.08	36	1.73	.06	.13	12	505

IMPERIAL METALS PROJECT - 4120 FILE # 86-2127

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 5+50S 0+25W	29	23	51	31	1.9	7	2	35	1.06	34	5	ND	1	40	1	11	6	24	.02	.049	32	16	.08	102	.01	2	.76	.01	.03	1	170
AU 5+50S 0+00W	49	119	116	81	4.2	28	9	156	3.59	77	6	ND	2	33	1	54	7	38	.05	.063	26	62	.33	229	.03	2	2.21	.01	.05	1	115
AU 5+50S 0+25E	78	78	114	104	1.4	13	7	101	2.42	60	6	ND	2	46	1	52	6	76	.11	.053	83	18	.14	226	.02	2	.68	.01	.05	1	50
AU 5+50S 0+50E	43	36	211	74	3.0	11	5	204	4.72	47	10	ND	2	65	1	29	6	54	.02	.179	73	35	.41	464	.02	2	1.16	.01	.13	1	24
AU 5+50S 0+75E	21	60	109	142	1.1	19	9	450	5.02	34	7	ND	4	76	1	13	2	99	.20	.199	30	44	1.69	297	.17	2	2.09	.01	.48	1	23
AU 5+50S 1+00E	21	24	148	66	.4	17	5	396	3.33	47	6	ND	1	82	1	55	5	59	.04	.073	55	52	.54	216	.04	2	1.25	.01	.10	1	99
AU 5+50S 1+25E	90	50	53	752	1.0	42	74	14885	23.90	120	56	ND	3	17	1	183	27	30	.03	.175	31	20	.14	240	.02	2	1.44	.01	.04	1	60
AU 5+50S 1+50E	36	72	95	262	.8	139	38	4008	5.55	68	23	ND	3	116	1	30	5	65	.46	.079	35	182	1.67	192	.11	2	1.53	.01	.09	1	90
AU 5+50S 2+00E	7	23	120	89	.2	66	13	442	4.26	65	5	ND	1	78	1	4	4	64	.31	.116	40	144	1.28	97	.06	2	1.27	.01	.09	1	18
AU 5+50S 2+25E	8	22	124	92	.3	57	12	407	4.27	72	6	ND	1	83	1	6	5	65	.31	.122	42	131	1.17	104	.05	2	1.23	.01	.11	1	28
AU 5+50S 2+50E	11	110	89	166	.3	33	56	7089	8.62	56	9	ND	3	116	1	13	7	53	.20	.328	88	15	.21	761	.01	2	1.15	.01	.11	1	14
AU 5+50S 2+75E	11	110	92	181	.4	36	72	9636	9.13	49	13	ND	3	105	1	12	7	57	.19	.338	105	17	.21	869	.01	2	1.09	.01	.11	1	15
AU 5+50S 3+00E	5	23	47	83	.5	12	8	398	2.86	31	6	ND	1	70	1	4	4	26	.02	.083	66	8	.09	247	.01	2	.80	.01	.08	1	10
AU 5+50S 3+25E	7	26	58	88	.5	12	9	1527	2.75	30	7	ND	1	79	1	5	2	33	.19	.104	60	9	.13	383	.01	2	.73	.01	.12	1	19
AU 5+50S 3+50E	6	14	52	69	.4	14	7	140	2.38	29	8	ND	1	50	1	3	3	25	.02	.075	76	9	.15	180	.01	2	.84	.01	.13	1	105
AU 5+50S 3+75E	13	29	103	101	.6	12	8	246	4.40	86	9	ND	3	112	1	8	3	30	.05	.150	57	14	.25	239	.02	2	1.24	.02	.16	1	125
AU 5+50S 4+00E	11	30	66	76	1.6	10	8	259	3.12	51	6	ND	1	73	1	5	4	41	.13	.102	72	11	.16	149	.01	2	.84	.01	.13	1	14
AU 5+50S 4+25E	41	42	204	86	1.3	11	10	226	6.08	156	11	ND	7	213	1	25	7	37	.05	.219	63	13	.21	298	.02	2	.72	.03	.20	2	24
AU 5+50S 4+50E	11	59	70	98	.6	15	16	407	5.33	68	7	ND	9	51	1	9	2	106	.08	.145	52	29	.68	169	.11	2	1.31	.01	.18	1	26
AU 5+50S 4+75E	15	17	65	33	.4	6	4	55	1.81	29	5	ND	1	74	1	4	6	31	.03	.064	66	7	.08	125	.01	2	.69	.01	.08	1	15
AU 5+50S 5+00E	14	43	62	86	.9	15	12	388	4.53	72	6	ND	1	77	1	8	5	42	.05	.145	51	16	.30	166	.02	2	.81	.01	.13	1	19
AU 5+50S 5+25E	18	32	81	72	.8	12	10	214	3.67	103	5	ND	1	105	1	13	2	43	.05	.125	50	20	.28	160	.01	2	.67	.02	.13	1	100
AU 5+50S 5+50E	28	35	71	76	1.1	10	10	189	3.81	149	7	ND	1	84	1	21	3	41	.04	.116	63	11	.09	135	.01	2	.63	.01	.10	1	95
AU 5+50S 5+75E	9	31	26	66	.2	17	11	234	3.24	154	7	ND	1	37	1	17	2	40	.02	.065	52	11	.09	78	.02	2	.50	.01	.08	1	75
AU 5+50S 6+00E	7	23	30	54	1.0	11	8	172	3.13	167	6	ND	5	36	1	14	4	47	.04	.096	52	13	.18	77	.03	2	.78	.01	.07	1	65
AU 10+00S 0+00E	15	61	29	89	.5	134	19	835	8.55	153	5	ND	1	9	1	22	4	101	.04	.112	10	241	1.50	84	.08	2	1.96	.01	.06	1	6
AU 10+00S 0+25E	14	35	24	72	.2	158	24	2322	5.03	277	5	ND	1	10	1	33	4	99	.03	.115	16	160	.84	123	.03	2	1.12	.01	.08	1	5
AU 10+00S 0+50E	9	27	25	56	.5	54	11	312	5.77	95	5	ND	1	18	1	10	4	146	.03	.050	16	136	.82	92	.12	2	1.77	.01	.04	1	8
AU 10+00S 0+75E	53	762	42	58	.7	25	10	1224	4.92	288	15	ND	1	37	1	122	2	75	.02	.107	69	33	.11	67	.01	2	.65	.01	.03	1	125
AU 10+00S 1+00E	10	31	22	51	.9	72	9	337	2.75	91	5	ND	1	13	1	13	2	72	.02	.061	21	139	.66	81	.03	2	1.21	.01	.05	1	40
AU 10+00S 1+25E	11	74	50	75	2.5	133	16	401	5.11	79	5	ND	1	17	1	31	6	66	.03	.076	25	227	1.36	99	.02	2	1.82	.01	.06	1	31
AU 10+00S 1+50E	8	26	38	49	1.4	45	7	159	3.68	58	5	ND	1	19	1	14	3	100	.02	.055	29	111	.49	85	.06	2	1.58	.01	.05	2	18
AU 10+00S 1+75E	11	97	45	87	.3	125	17	398	5.48	95	5	ND	1	20	1	33	2	58	.03	.092	24	182	1.18	88	.02	2	1.59	.01	.07	1	50
AU 10+00S 2+00E	5	64	23	30	1.1	17	5	120	1.54	59	5	ND	1	53	1	10	5	49	.02	.060	40	39	.16	306	.02	2	.89	.01	.04	2	42
AU 10+00S 2+25E	9	42	37	70	.5	66	11	323	4.18	71	5	ND	1	41	1	18	3	60	.04	.118	28	148	.92	108	.03	2	1.39	.01	.08	1	17
AU 10+00S 2+50E	10	67	34	80	.5	106	15	818	5.80	112	5	ND	1	20	1	28	2	86	.02	.133	25	179	1.11	109	.03	2	1.72	.01	.07	1	40
STD C/AU 0.5	21	57	40	135	7.1	70	30	1100	3.94	42	21	7	31	46	16	16	19	62	.48	.104	35	58	.88	174	.08	26	1.73	.06	.13	12	495

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 10+00S 2+75E	6	41	28	47	.7	76	9	355	3.25	57	5	ND	1	18	1	21	2	47	.03	.074	26	136	.90	78	.02	2	1.46	.01	.05	1	41
AU 10+00S 3+00E	8	71	40	66	1.2	113	12	330	4.65	70	5	ND	1	23	1	29	8	52	.08	.076	22	202	1.32	78	.03	2	1.71	.01	.07	1	60
AU 10+00S 3+25E	8	34	27	38	.7	55	7	167	2.98	64	5	ND	1	16	1	19	3	53	.02	.061	24	93	.58	86	.02	2	1.09	.01	.05	1	38
AU 10+00S 3+50E	10	69	42	54	.6	94	10	207	3.98	95	5	ND	1	19	1	54	5	57	.04	.115	24	143	.92	80	.02	3	1.42	.01	.06	1	105
AU 10+00S 3+75E	13	53	45	61	.8	75	12	913	4.42	123	7	ND	1	26	1	44	6	56	.05	.140	30	119	.85	100	.02	2	1.17	.01	.09	1	110
AU 10+00S 4+00E	7	101	75	78	1.8	118	17	536	5.16	108	6	ND	1	25	1	51	3	52	.08	.089	26	140	1.17	95	.02	3	1.58	.01	.09	1	95
AU 10+00S 4+25E	8	45	37	43	1.4	41	7	215	2.87	75	5	ND	1	23	1	52	2	50	.04	.055	32	65	.37	91	.03	2	.91	.01	.04	3	90
AU 10+00S 4+50E	13	51	48	54	.8	61	9	235	3.64	130	5	ND	1	29	1	42	3	55	.04	.120	27	91	.54	81	.02	2	.99	.01	.06	1	75
AU 10+00S 4+75E	19	62	54	64	1.8	56	11	316	5.69	414	5	ND	1	31	1	106	4	71	.06	.127	37	84	.62	94	.04	2	1.11	.01	.08	1	270
AU 10+00S 5+00E	20	109	31	124	1.1	103	18	2548	3.90	91	29	ND	1	266	1	25	2	53	.97	.124	23	108	1.07	376	.02	3	1.48	.01	.07	1	60
AU 10+00S 5+25E	9	103	31	146	1.1	113	14	611	3.93	140	11	ND	1	36	1	30	2	51	.06	.071	33	126	.81	275	.02	2	1.66	.01	.06	1	50
AU 10+00S 5+50E	13	68	39	103	.5	68	14	457	4.22	88	5	ND	1	60	1	22	2	49	.11	.099	21	59	.55	269	.01	2	1.23	.01	.04	1	30
AU 10+00S 5+75E	16	116	50	77	.4	88	14	342	5.03	119	5	ND	2	27	1	89	8	75	.06	.043	35	110	.82	106	.04	2	1.37	.01	.08	1	100
AU 10+00S 6+00E	49	208	97	198	1.1	243	34	16331	5.33	252	30	ND	1	418	2	73	5	40	.85	.105	41	77	.74	848	.02	2	1.04	.01	.10	6	90
AU 10+50S 0+00E	20	275	658	144	2.6	176	29	1325	7.18	125	10	ND	5	76	1	131	6	94	.40	.200	40	278	2.42	76	.09	5	2.02	.01	.07	1	185
AU 10+50S 0+25E	6	12	14	28	.5	28	4	91	1.28	31	5	ND	1	15	1	9	6	68	.04	.024	23	82	.36	70	.06	2	1.20	.01	.04	2	26
AU 10+50S 0+50E	13	223	57	108	.7	120	21	397	6.31	191	5	ND	1	62	1	37	3	101	.09	.066	27	198	1.59	100	.08	2	1.91	.01	.07	1	65
AU 10+50S 0+75E	36	42	62	55	1.4	59	10	231	5.21	72	5	ND	1	19	1	21	9	92	.04	.077	31	94	.54	91	.07	2	1.08	.01	.06	1	22
AU 10+50S 1+00E	10	51	36	65	1.2	127	12	226	4.69	81	5	ND	1	21	1	34	6	71	.04	.067	34	210	1.28	73	.03	4	1.41	.01	.09	1	42
AU 10+50S 1+25E	19	133	56	60	1.0	59	11	392	3.50	80	5	ND	1	95	1	73	6	51	.06	.054	47	110	.74	143	.02	2	1.08	.01	.11	1	189
AU 10+50S 1+50E	10	67	48	80	.9	106	11	210	5.07	66	5	ND	1	49	1	38	2	61	.08	.076	24	174	1.28	110	.02	2	1.76	.01	.09	1	80
AU 10+50S 1+75E	9	42	41	53	.6	64	7	159	3.21	57	5	ND	1	19	1	28	4	50	.03	.077	31	105	.70	98	.01	4	1.21	.01	.08	1	41
AU 10+50S 2+00E	8	55	41	60	4.4	83	11	253	5.46	73	5	ND	1	18	1	26	3	72	.03	.093	23	140	1.04	89	.02	4	1.84	.01	.08	1	95
AU 10+50S 2+25E	10	61	41	69	1.5	97	12	341	5.05	71	5	ND	1	19	1	31	2	66	.04	.092	26	135	1.07	96	.02	3	1.56	.01	.09	1	130
AU 10+50S 2+50E	13	150	56	99	2.2	88	18	598	4.75	95	5	ND	1	43	1	72	3	62	.05	.074	36	128	1.04	130	.04	4	2.00	.01	.13	1	80
AU 10+50S 2+75E	16	108	71	95	1.7	99	16	461	5.09	87	5	ND	1	37	1	53	8	58	.12	.082	35	129	1.21	103	.03	3	2.02	.01	.11	19	140
AU 10+50S 3+00E	12	58	40	77	.5	76	12	342	4.99	127	5	ND	1	27	1	40	3	69	.04	.098	31	108	.93	104	.03	3	1.43	.01	.10	1	65
AU 10+50S 3+25E	16	54	66	75	1.5	59	10	220	4.27	111	5	ND	1	37	1	42	3	55	.04	.084	29	81	.63	109	.02	2	1.39	.01	.07	1	150
AU 10+50S 3+50E	12	75	42	71	.7	75	12	319	4.88	98	5	ND	1	24	1	44	5	60	.04	.085	30	98	.87	81	.02	2	1.37	.01	.08	1	110
AU 10+50S 3+75E	13	67	38	60	.5	59	10	316	3.95	83	5	ND	1	23	1	37	3	55	.04	.067	29	93	.77	87	.01	2	1.47	.01	.08	1	90
AU 10+50S 4+00E	10	50	54	70	.8	58	11	818	4.55	92	5	ND	1	30	1	39	6	56	.10	.139	40	82	.90	101	.03	3	1.28	.01	.12	1	145
AU 10+50S 4+25E	15	104	48	68	.9	71	13	584	4.33	92	5	ND	1	23	1	50	4	58	.03	.087	32	89	.71	111	.01	3	1.42	.01	.09	1	80
AU 10+50S 4+50E	38	83	72	69	1.2	50	12	409	5.10	143	5	ND	1	33	1	90	5	62	.07	.131	39	65	.54	81	.02	3	1.34	.01	.08	1	130
AU 10+50S 4+75E	26	38	52	33	1.0	17	5	276	2.11	96	5	ND	1	28	1	73	3	37	.04	.084	51	29	.24	61	.01	2	.59	.01	.05	1	105
AU 10+50S 5+00E	7	55	40	50	1.7	18	6	158	2.80	66	5	ND	1	26	1	14	2	64	.03	.053	40	37	.24	80	.03	2	1.05	.01	.06	1	75
AU 10+50S 5+25E	6	51	261	70	.8	132	20	1252	4.28	102	5	ND	1	50	1	23	3	60	.06	.125	46	86	.32	224	.03	2	.80	.01	.08	2	40
STD C/AU 0.5	20	58	39	125	6.8	69	27	1019	4.02	38	21	7	30	45	16	17	17	58	.50	.099	37	54	.89	171	.08	38	1.73	.06	.13	15	495

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 10+50S 5+50E	5	12	33	38	.5	17	4	102	1.72	71	5	ND	1	35	1	11	3	71	.05	.044	43	45	.30	134	.05	2	.92	.01	.07	1	27
AU 10+50S 5+75E	6	189	41	298	.7	226	33	755	5.23	313	9	ND	2	131	1	21	5	89	.60	.125	29	258	2.41	116	.07	2	1.80	.01	.13	1	105
AU 10+50S 5+75E SILT	6	135	23	197	.7	351	36	1097	4.59	214	5	ND	3	76	1	18	3	70	.40	.085	21	345	3.15	171	.05	7	1.50	.01	.12	1	31
AU 10+50S 6+00E	8	74	43	204	.3	227	31	943	5.62	325	7	ND	2	40	1	25	2	97	.14	.082	16	351	2.38	108	.06	2	1.96	.01	.09	1	43
AU 10+50S 6+00E SILT	6	126	26	173	.7	534	47	1005	4.69	200	8	ND	2	96	1	14	5	72	.57	.085	14	555	4.53	111	.07	6	1.72	.01	.10	1	33
AU 11+00S 0+00E	28	178	126	105	2.3	120	20	385	5.98	112	7	ND	2	40	1	155	7	78	.07	.096	37	163	1.33	105	.04	2	2.00	.01	.10	1	230
AU 11+00S 0+25E	47	132	110	99	1.6	103	19	460	6.40	134	7	ND	2	33	1	98	7	90	.05	.120	39	161	1.13	127	.04	2	2.02	.01	.11	1	100
AU 11+00S 0+50E	11	19	36	28	1.2	13	3	85	1.32	27	5	ND	1	27	1	13	5	57	.03	.047	46	61	.28	105	.05	2	1.23	.01	.05	1	12
AU 11+00S 0+75E	14	49	49	80	.6	51	11	464	3.61	65	6	ND	1	32	1	29	4	63	.05	.073	39	53	.30	139	.03	2	1.08	.01	.07	1	31
AU 11+00S 1+00E	36	58	73	101	1.8	38	14	391	6.84	103	5	ND	2	61	1	42	3	111	.08	.132	25	83	.70	187	.10	2	1.69	.01	.11	1	27
AU 11+00S 1+25E	66	212	152	133	1.0	55	22	924	7.18	195	10	ND	3	63	1	205	8	77	.10	.197	43	91	.82	131	.04	2	1.40	.01	.13	1	170
AU 11+00S 1+50E	38	193	110	112	1.4	95	20	643	6.30	152	9	ND	3	36	1	86	2	68	.09	.119	21	134	1.17	104	.02	3	1.93	.01	.11	2	90
AU 11+00S 1+75E	42	39	116	96	1.1	43	9	538	4.95	164	7	ND	1	39	1	178	6	75	.04	.142	23	87	.55	108	.03	3	1.07	.01	.09	1	110
AU 11+00S 2+00E	23	44	43	58	1.6	40	7	142	3.33	108	6	ND	1	30	1	44	3	57	.04	.108	23	79	.55	101	.02	2	1.04	.01	.09	5	285
AU 11+00S 2+00E A	8	85	126	93	.9	56	12	541	5.10	109	5	ND	1	34	1	40	5	72	.03	.102	27	91	.54	84	.01	2	1.46	.01	.09	2	35
AU 11+00S 2+25E	17	55	82	53	2.7	27	6	163	2.93	106	5	ND	1	34	1	103	5	56	.04	.087	30	65	.38	99	.01	2	1.02	.01	.08	2	120
AU 11+00S 2+50E	8	23	39	78	.7	38	8	271	3.24	71	6	ND	1	88	1	13	2	87	.19	.080	21	94	.95	121	.10	2	1.43	.01	.08	1	25
AU 11+00S 2+75E	15	84	167	119	2.0	38	15	731	7.86	123	10	ND	5	75	1	200	9	79	.10	.235	19	68	.58	109	.05	4	1.15	.01	.09	1	36
AU 11+00S 3+00E	14	72	130	137	3.6	56	14	335	4.77	82	7	ND	4	70	1	28	2	56	.15	.122	30	104	.94	121	.05	3	2.17	.01	.11	1	100
AU 11+00S 3+25E	5	18	40	47	1.1	18	4	103	2.17	52	5	ND	1	39	1	10	4	64	.03	.067	36	58	.28	100	.03	2	1.28	.01	.06	2	23
AU 11+00S 3+50E	5	47	51	69	2.0	42	11	227	5.35	80	5	ND	1	52	1	16	3	106	.12	.178	20	85	.79	88	.10	2	1.36	.01	.10	1	70
AU 11+00S 3+75E	5	19	41	52	.3	32	7	326	3.06	82	5	ND	1	49	1	17	3	81	.06	.101	36	66	.59	83	.06	2	1.08	.01	.11	1	36
AU 11+00S 4+00E	5	19	24	51	.3	31	6	134	2.70	51	5	ND	1	64	1	9	2	68	.08	.096	35	57	.51	63	.06	2	.96	.01	.10	1	42
AU 11+00S 4+25E	5	51	55	87	1.7	72	15	474	4.96	91	5	ND	1	72	1	18	2	80	.18	.186	34	108	.86	85	.06	4	1.57	.01	.13	1	70
AU 11+00S 4+50E	13	43	106	97	.8	49	13	342	7.39	202	6	ND	3	47	1	41	12	102	.05	.138	50	73	.44	115	.09	2	1.46	.01	.07	1	36
AU 11+00S 4+75E	4	47	41	79	1.0	58	13	503	4.21	102	5	ND	1	64	1	19	3	74	.18	.130	30	86	.71	78	.07	2	1.35	.01	.10	1	45
AU 11+00S 5+00E	5	152	34	216	.6	208	30	1105	4.60	253	6	ND	1	181	1	28	2	77	.95	.109	21	218	2.09	115	.05	5	1.46	.01	.11	1	80
AU 11+00S 5+25E	5	46	26	118	.6	202	28	805	5.08	85	10	ND	1	422	1	10	2	116	.85	.129	10	650	4.61	346	.14	2	2.53	.01	.47	1	29
AU 11+00S 5+50E	6	36	43	82	1.4	76	11	606	4.71	158	5	ND	1	47	1	123	2	75	.06	.114	24	159	.65	104	.05	3	1.06	.01	.08	1	52
AU 11+00S 5+75E	8	51	38	105	.5	62	11	375	5.34	127	5	ND	1	23	1	30	2	61	.04	.080	19	75	.38	57	.02	3	1.26	.01	.06	1	12
AU 11+00S 6+00E	9	37	19	87	.3	84	12	211	3.98	111	5	ND	3	22	1	25	2	128	.03	.050	23	109	.33	66	.02	2	1.90	.01	.04	1	10
AU 11+50S 4+50W	3	55	12	117	.2	152	25	1417	5.48	48	5	ND	1	11	1	7	2	88	.08	.084	2	261	2.15	61	.12	2	2.13	.01	.07	1	3
AU 11+50S 4+25W	7	55	22	210	.2	266	34	3540	5.11	86	6	ND	1	68	1	7	2	80	.50	.209	4	366	2.22	152	.05	2	2.41	.01	.08	1	5
AU 11+50S 4+00W	4	32	15	88	.5	83	13	533	3.74	48	5	ND	1	11	1	5	2	111	.07	.069	2	244	1.49	69	.23	2	1.95	.01	.06	1	3
AU 11+50S 3+75W	5	39	12	146	.7	288	31	1157	5.28	67	5	ND	1	35	1	5	2	118	.17	.057	2	609	3.43	61	.16	2	2.60	.01	.05	1	8
AU 11+50S 3+50W	2	33	7	71	.9	178	18	615	4.59	124	5	ND	1	14	1	8	2	103	.05	.073	4	439	1.83	79	.11	4	1.87	.01	.04	1	7
STD C/AU-0.5	21	60	41	137	7.2	69	31	1119	3.93	40	21	8	31	47	18	16	21	63	.48	.107	33	60	.88	177	.08	35	1.73	.07	.14	12	495

IMPERIAL METALS PROJECT - 4120 FILE # 86-2127

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 11+50S 3+25W	1	18	18	69	.4	77	12	536	3.29	41	5	ND	1	15	1	4	2	90	.06	.059	10	245	1.21	73	.12	5	1.40	.01	.07	1	8
AU 11+50S 3+00W	1	55	6	87	.7	107	16	393	4.47	25	5	ND	1	8	1	5	2	103	.14	.047	8	276	2.20	50	.17	2	2.11	.01	.05	1	12
AU 11+50S 2+75W	2	34	20	91	.1	56	13	510	4.78	51	5	ND	1	41	1	4	2	88	.16	.058	11	159	.71	123	.20	2	1.57	.01	.06	1	2
AU 11+50S 2+50W	3	79	13	171	.4	249	27	1475	4.75	101	5	ND	1	160	1	9	2	53	.75	.155	17	214	1.40	132	.05	5	2.10	.01	.07	2	4
AU 11+50S 2+25W	10	83	16	114	1.8	245	41	6267	3.89	138	9	ND	1	422	1	10	3	48	1.97	.385	15	178	.84	329	.03	10	1.90	.01	.11	1	10
AU 11+50S 2+00W	3	69	17	135	.2	322	37	1428	5.88	208	5	ND	1	84	1	14	2	66	.36	.110	24	278	2.32	135	.04	2	2.08	.01	.14	1	21
AU 11+50S 1+75W	1	13	22	51	.1	52	12	359	2.11	39	5	ND	1	26	1	3	3	51	.10	.045	18	105	.59	169	.03	4	1.25	.01	.08	8	10
AU 11+50S 1+50W	1	36	14	109	.7	200	16	379	3.67	29	5	ND	1	15	1	6	4	71	.04	.069	18	297	2.22	133	.02	6	2.42	.01	.12	1	11
AU 11+50S 1+25W	2	60	6	107	.2	212	20	314	5.13	51	5	ND	1	16	1	4	2	71	.05	.074	20	277	2.10	118	.02	2	2.84	.01	.09	1	5
AU 11+50S 1+00W	18	1337	22	59	6.3	43	1	463	.83	4	68	ND	1	779	1	3	10	7	.66	.194	2677	30	.16	150	.01	2	2.67	.01	.03	1	8
AU 11+50S 0+75W	14	31	22	84	.3	160	15	264	5.73	46	5	ND	1	8	1	4	2	79	.02	.061	8	248	1.80	107	.03	2	2.25	.01	.10	1	8
AU 11+50S 0+50W	681	144	172	133	1.2	77	21	1151	6.91	116	5	ND	1	42	1	111	6	73	.03	.113	78	86	.48	113	.01	2	1.09	.01	.06	1	55
AU 11+50S 0+25W	59	39	68	72	.9	56	10	357	3.82	56	5	ND	1	16	1	14	2	95	.05	.064	39	94	.81	82	.13	2	1.30	.01	.08	1	17
AU 11+50S 0+00W	140	164	861	59	2.1	18	14	474	9.00	1146	5	2	1	89	1	1771	17	64	.05	.294	77	44	.33	255	.01	2	1.01	.01	.13	1	1450
AU 11+50S 0+25E	181	100	103	89	.8	40	14	590	5.55	104	5	ND	2	35	1	83	2	76	.05	.092	42	66	.51	114	.06	2	1.66	.01	.07	1	65
AU 11+50S 0+50E	74	238	68	93	.6	80	21	643	5.24	116	5	ND	1	45	1	94	5	64	.07	.073	38	118	1.03	109	.03	2	1.54	.01	.10	1	75
AU 11+50S 0+75E	101	380	71	273	8.3	86	28	810	6.38	246	5	ND	1	84	1	252	3	68	.09	.101	38	113	1.02	139	.05	3	1.99	.01	.10	1	215
AU 11+50S 1+00E	34	77	67	55	1.8	43	10	374	3.90	144	5	ND	1	31	1	76	8	71	.02	.114	51	73	.48	108	.02	2	.97	.01	.09	2	150
AU 11+50S 1+25E	40	155	117	110	1.8	63	18	916	6.34	189	5	2	2	42	1	330	10	73	.06	.141	49	101	.78	91	.04	2	1.52	.01	.12	1	245
AU 11+50S 1+50E	32	54	96	120	1.0	35	10	697	5.73	215	5	ND	1	47	1	170	29	92	.02	.144	38	48	.29	74	.02	2	.67	.01	.07	2	70
AU 11+50S 1+75E	15	207	140	139	1.6	93	22	918	6.85	177	5	ND	1	37	1	112	4	81	.04	.109	46	127	.95	103	.01	2	1.94	.01	.10	1	130
AU 11+50S 2+25E	37	61	112	68	3.6	35	10	542	4.05	135	5	ND	1	46	1	78	4	56	.03	.099	78	43	.30	140	.02	2	1.06	.01	.09	2	250
AU 11+50S 2+50E	4	108	30	172	.8	186	20	488	5.95	251	5	ND	2	27	1	16	2	115	.08	.080	18	355	2.82	73	.06	2	2.37	.01	.08	1	70
AU 11+50S 2+75E	4	77	25	145	1.0	220	28	1179	4.88	214	5	ND	1	35	1	17	2	83	.12	.075	20	268	2.23	97	.04	2	1.73	.01	.10	1	28
AU 11+50S 3+00E	1	17	35	81	.4	44	11	221	3.15	32	5	ND	3	30	1	5	2	59	.11	.094	43	209	1.35	133	.12	7	1.76	.01	.31	1	6
AU 11+50S 3+25E	2	10	19	36	.4	27	3	83	1.54	30	5	ND	1	43	1	6	2	54	.05	.048	29	79	.49	87	.06	5	1.08	.01	.07	1	32
AU 11+50S 3+50E	7	27	29	100	.3	60	10	266	3.44	135	5	ND	1	69	1	16	6	64	.11	.071	29	91	.67	114	.06	2	1.37	.01	.08	1	28
AU 11+50S 3+75E	4	21	21	85	.1	40	9	256	3.61	116	5	ND	1	70	1	10	5	73	.13	.083	30	62	.57	112	.07	2	1.02	.01	.09	1	32
AU 11+50S 4+00E	2	35	33	120	.2	53	18	550	4.18	131	5	ND	4	82	1	13	3	82	.25	.114	41	81	1.00	150	.10	6	1.43	.01	.12	1	60
AU 11+50S 4+25E	9	53	34	142	1.0	65	11	1634	2.72	165	35	ND	1	251	1	22	4	24	.60	.126	79	34	.35	164	.01	2	1.07	.01	.08	1	60
AU 11+50S 4+50E	5	55	45	95	.5	45	23	1356	4.87	312	5	ND	2	72	1	33	2	48	.15	.148	46	36	.45	107	.03	4	.87	.01	.15	1	110
AU 11+50S 5+00E	4	93	94	135	1.0	163	36	1649	7.18	693	5	ND	8	385	1	75	2	97	.58	.140	44	317	2.58	471	.12	2	1.90	.01	.39	1	180
AU 11+50S 5+25E	2	30	14	69	.4	352	24	589	4.11	43	5	ND	1	151	1	5	3	108	.31	.070	13	864	4.01	120	.11	2	2.23	.01	.11	1	5
AU 11+50S 5+50E	2	33	5	73	.4	419	29	463	3.96	32	5	ND	1	25	1	4	2	99	.25	.040	12	888	4.51	106	.15	2	2.42	.01	.21	2	4
AU 12+00S 4+50W	2	27	2	64	.6	127	12	277	2.74	51	5	ND	1	11	1	2	7	73	.11	.055	8	279	1.38	87	.11	2	1.68	.01	.05	1	3
AU 12+00S 4+25W	2	42	8	103	.2	118	13	703	4.71	47	5	ND	1	40	1	5	2	70	.36	.062	9	228	1.29	126	.14	2	1.90	.01	.08	1	5
STD C/AU 0.5	20	59	42	133	6.8	70	31	1086	3.92	39	16	7	32	47	17	17	18	61	.48	.102	38	59	.88	176	.08	33	1.72	.06	.14	12	495

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 12+00S 4+00W	2	37	11	113	.4	181	19	872	4.86	51	8	ND	1	19	1	2	2	80	.16	.069	7	422	1.99	95	.13	2	2.14	.01	.04	1	2
AU 12+00S 3+75W	5	38	9	99	.4	381	38	1467	4.40	77	8	ND	1	79	1	3	2	73	.39	.077	7	724	3.83	76	.06	4	2.18	.01	.04	1	3
AU 12+00S 3+50W	2	29	18	89	.4	221	31	1401	4.97	76	7	ND	1	7	1	2	2	86	.06	.069	4	746	3.20	40	.12	4	2.01	.01	.04	1	1
AU 12+00S 3+25W	1	40	10	73	.8	108	12	503	4.08	79	5	ND	1	11	1	5	5	75	.02	.089	13	195	.98	101	.04	2	1.45	.01	.06	1	1
AU 12+00S 3+00W	1	34	15	81	.5	126	16	707	3.99	68	6	ND	1	10	1	4	2	67	.03	.086	13	262	1.51	81	.04	2	1.87	.01	.06	1	1
AU 12+00S 2+75W	4	36	3	77	.4	61	11	673	3.65	46	5	ND	1	10	1	3	3	68	.04	.088	10	133	.84	79	.10	4	1.65	.01	.06	1	2
AU 12+00S 2+50W	7	54	13	136	1.3	172	20	5574	4.58	125	5	ND	1	161	1	2	2	49	.65	.396	14	226	1.04	184	.02	2	2.17	.01	.07	1	2
AU 12+00S 2+25W	2	29	12	79	.3	41	8	332	2.56	25	6	ND	1	29	1	2	2	66	.13	.065	12	91	.62	246	.06	3	1.41	.01	.06	1	2
AU 12+00S 2+00W	3	44	7	112	.6	61	12	1248	3.97	44	5	ND	1	26	1	2	2	54	.10	.090	10	71	.76	144	.11	2	1.53	.01	.07	1	2
AU 12+00S 1+75W	1	11	11	47	.4	24	2	79	1.20	17	5	ND	1	18	1	2	3	44	.09	.033	8	64	.73	218	.03	2	1.32	.01	.07	1	5
AU 12+00S 1+50W	3	52	18	129	.9	180	20	657	4.74	65	5	ND	1	32	1	2	2	73	.18	.113	18	228	2.04	115	.04	3	2.29	.01	.08	1	4
AU 12+00S 1+25W	2	43	12	105	.3	77	18	1109	4.52	44	5	ND	1	29	1	2	2	89	.25	.075	10	103	1.79	90	.10	3	2.15	.01	.06	1	3
AU 12+00S 1+00W	2	43	16	84	.6	88	14	547	5.27	73	5	ND	1	9	1	2	2	101	.04	.067	17	161	1.32	99	.10	5	2.03	.01	.05	1	3
AU 12+00S 0+75W	23	94	115	990	1.2	221	17	978	3.88	46	7	ND	1	129	1	2	5	95	.29	.086	135	247	2.66	154	.09	4	2.55	.01	.20	1	8
AU 12+00S 0+50W	41	73	150	935	1.6	200	19	1406	5.47	76	5	ND	1	28	1	10	3	104	.05	.090	44	238	1.83	98	.06	2	2.24	.01	.09	1	6
AU 12+00S 0+25W	15	44	73	73	1.7	53	10	241	4.70	65	5	ND	2	14	1	35	2	89	.03	.070	22	87	.65	94	.09	4	1.40	.01	.05	3	5
AU 12+00S 0+00W	71	26	32	35	3.4	17	3	84	2.58	53	5	ND	1	15	1	27	10	35	.03	.058	26	50	.35	73	.01	2	.95	.01	.04	2	100
AU 12+00S 0+25E	53	75	135	150	.8	58	15	1206	6.87	220	5	ND	5	25	1	116	7	109	.03	.087	40	83	.34	86	.09	4	1.15	.01	.05	2	150
AU 12+00S 0+50E	32	92	178	103	1.7	67	14	465	5.70	123	5	ND	2	30	2	92	18	76	.05	.094	27	99	.77	94	.03	2	1.48	.01	.08	3	160
AU 12+00S 0+75E	28	32	78	125	2.1	28	12	1065	4.48	80	5	ND	1	61	1	17	2	52	.05	.056	21	35	.21	136	.02	3	.78	.01	.05	1	3
AU 12+00S 1+00E	23	101	151	135	1.1	55	16	416	5.97	103	5	ND	2	59	1	64	7	67	.06	.083	34	78	.53	180	.03	2	1.29	.01	.06	1	70
AU 12+00S 1+25E	5	14	64	39	1.2	18	2	62	1.24	28	5	ND	1	34	1	20	4	42	.02	.044	38	60	.33	94	.03	3	1.07	.01	.06	10	30
AU 12+00S 1+50E	12	59	77	56	1.6	45	10	138	3.05	72	5	ND	1	35	1	57	2	57	.03	.079	42	56	.30	72	.03	4	.73	.01	.06	3	60
AU 12+00S 1+75E	10	65	94	62	1.0	43	9	377	2.91	65	5	ND	1	43	1	61	5	55	.02	.060	47	68	.43	92	.03	2	1.23	.01	.07	1	60
AU 12+00S 2+00E	5	27	45	79	.7	63	10	447	4.55	102	5	ND	1	46	1	8	2	80	.04	.161	33	119	.71	105	.04	6	1.20	.01	.09	1	3
AU 12+00S 2+25E	6	40	35	85	.9	67	10	359	4.59	82	5	ND	1	34	1	14	2	70	.04	.134	28	124	.78	87	.03	4	1.40	.01	.09	1	10
AU 12+00S 2+50E	5	130	21	152	.6	337	33	1200	4.68	217	5	ND	2	65	1	16	2	65	.35	.086	20	312	2.87	98	.05	5	1.43	.01	.10	1	75
AU 12+00S 2+75E	7	74	2	117	.6	255	26	1116	4.72	272	5	ND	1	127	1	17	8	65	.35	.089	14	266	2.09	111	.02	2	1.33	.01	.06	1	60
AU 12+00S 3+00E	2	24	17	69	1.0	17	6	124	2.80	84	5	ND	1	43	1	10	2	75	.10	.093	30	48	.76	70	.04	4	1.34	.01	.07	1	9
AU 12+00S 3+25E	11	13	24	82	.1	26	7	246	2.57	62	5	ND	1	118	1	12	2	72	.14	.071	26	47	.73	118	.09	3	1.06	.01	.07	1	5
AU 12+00S 3+50E	19	38	35	136	.8	30	9	404	2.93	83	23	ND	1	527	1	24	2	50	.58	.081	26	60	.64	168	.03	2	1.26	.01	.07	1	12
AU 12+00S 3+75E	9	16	40	56	1.4	22	8	237	1.68	52	5	ND	1	122	1	7	2	39	.24	.129	33	41	.33	400	.01	2	.94	.01	.09	1	75
AU 12+00S 4+00E	13	168	148	250	2.3	74	41	3580	11.73	1229	5	ND	12	653	1	145	9	129	.51	.154	84	55	.59	667	.03	2	1.09	.01	.13	1	470
AU 12+00S 4+50E	6	116	281	175	2.3	176	41	2073	8.80	1861	6	ND	11	540	1	160	2	84	.80	.118	37	240	1.93	517	.08	5	1.45	.01	.35	1	300
AU 12+00S 4+75E	4	73	42	103	.4	247	38	882	6.03	148	5	ND	4	415	1	15	2	119	.84	.135	20	726	5.29	425	.19	2	2.73	.01	.96	14	2
AU 12+00S 5+00E	4	74	19	69	.3	805	53	1233	4.80	71	5	ND	2	95	1	2	6	115	.62	.079	15	915	5.28	239	.17	2	2.72	.01	.63	1	2
STD C/AU 0.5	21	59	43	134	7.0	66	30	1094	3.94	44	16	7	32	48	16	16	22	62	.48	.108	38	58	.88	178	.08	39	1.72	.07	.13	12	505

IMPERIAL METALS PROJECT - 4120 FILE # 86-2127

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 12+00S 15+25E	11	86	34	124	1.2	331	42	1407	4.75	94	12	ND	5	370	1	38	2	105	3.10	.126	11	487	6.19	173	.10	2	2.96	.01	.58	1	210
AU 12+00S 15+50E	7	147	30	147	.7	979	71	1883	6.39	191	6	ND	2	131	1	12	5	94	.71	.099	5	336	4.51	256	.10	2	2.34	.01	.44	1	11
AU 12+50S 4+50W	3	15	27	51	.4	26	4	394	1.39	20	5	ND	1	18	1	4	3	51	.09	.073	7	64	.47	76	.16	2	1.11	.01	.08	1	9
AU 12+50S 4+25W	4	75	26	99	.4	145	25	1737	5.24	71	6	ND	1	15	1	8	2	91	.07	.119	4	188	2.08	56	.08	2	2.42	.01	.08	1	8
AU 12+50S 4+00W	4	51	24	88	1.2	80	13	936	4.53	68	6	ND	1	17	1	8	6	78	.08	.106	7	121	1.04	80	.09	4	2.17	.01	.09	2	6
AU 12+50S 3+75W	5	65	26	101	.7	134	26	2284	6.67	134	5	ND	1	14	1	10	2	71	.04	.164	5	134	.72	106	.05	2	1.65	.01	.09	4	8
AU 12+50S 3+50W	2	7	20	33	.4	19	3	117	.82	17	5	ND	1	14	1	4	2	40	.04	.044	13	64	.30	93	.07	5	.84	.01	.07	2	12
AU 12+50S 3+25W	3	38	15	77	.5	78	13	672	4.44	68	5	ND	1	14	1	8	4	90	.06	.091	7	119	.92	91	.08	7	1.37	.01	.07	1	10
AU 12+50S 3+00W	3	45	18	77	.3	95	14	507	4.27	79	5	ND	1	12	1	6	2	66	.04	.111	7	127	.92	83	.04	3	1.48	.01	.05	1	35
AU 12+50S 2+75W	3	30	6	73	.7	74	8	228	2.37	63	5	ND	1	13	1	6	2	51	.03	.086	10	111	.75	80	.03	3	1.43	.01	.07	1	14
AU 12+50S 2+50W	4	163	31	154	1.4	474	48	3434	8.50	1131	7	ND	1	78	1	58	4	82	.31	.091	3	180	2.20	163	.01	2	1.71	.01	.08	1	32
AU 12+50S 2+25W	4	24	19	54	.6	47	8	220	2.72	90	6	ND	1	16	1	7	2	64	.04	.056	9	78	.36	88	.04	2	.97	.01	.07	2	17
AU 12+50S 2+00W	7	49	11	150	.5	69	20	2041	5.22	69	5	ND	1	46	1	7	3	62	.13	.126	4	81	.88	168	.08	2	1.64	.01	.09	2	3
AU 12+50S 1+75W	3	35	22	82	.6	87	12	451	3.95	71	6	ND	1	27	1	5	2	87	.04	.066	12	119	.95	171	.04	2	1.45	.01	.10	1	11
AU 12+50S 1+50W	2	45	28	98	.5	48	17	909	7.22	61	8	ND	1	14	1	2	2	144	.09	.141	2	80	1.05	139	.21	2	1.86	.01	.05	1	5
AU 12+50S 1+25W	6	30	166	53	.7	28	7	386	2.86	47	5	ND	1	17	1	10	3	56	.04	.073	29	66	.40	63	.03	2	1.23	.01	.05	1	20
AU 12+50S 1+00W	22	71	65	99	.6	84	19	1015	6.28	106	5	ND	1	25	1	10	2	77	.09	.188	31	97	.88	102	.04	3	1.53	.01	.09	2	24
AU 12+50S 0+75W	9	5	33	26	.4	18	1	117	.64	16	5	ND	1	16	1	2	3	51	.03	.033	58	76	.21	67	.08	2	.61	.01	.06	1	7
AU 12+50S 0+50W	137	81	665	91	2.4	13	15	2652	7.92	159	5	ND	3	44	1	587	28	58	.09	.188	29	26	.04	62	.01	6	.41	.01	.03	1	195
AU 12+50S 0+25W	43	54	173	157	1.4	23	10	716	7.07	1562	5	ND	3	92	1	170	8	94	.11	.358	64	21	.15	168	.01	2	.30	.01	.10	8	575
AU 12+50S 0+00W	46	90	414	430	1.8	114	16	1384	5.52	200	7	ND	4	38	1	102	17	89	.07	.094	52	151	1.19	88	.05	2	1.73	.01	.09	1	110
AU 12+50S 0+25E	15	104	179	100	1.7	71	14	490	6.26	114	5	ND	3	24	1	99	7	82	.03	.083	29	92	.47	96	.04	2	1.34	.01	.06	12	95
AU 12+50S 0+50E	10	32	84	51	.9	26	6	135	2.57	57	5	ND	2	31	1	57	6	63	.03	.044	38	55	.29	67	.07	4	1.05	.01	.04	2	80
AU 12+50S 0+75E	50	375	323	751	1.9	169	30	1882	6.09	259	12	ND	6	135	1	189	16	87	.25	.166	227	149	1.46	136	.04	4	1.79	.01	.12	3	420
AU 12+50S 1+00E	10	30	57	58	1.2	22	8	280	3.09	72	5	ND	1	29	1	20	2	50	.03	.096	38	51	.20	77	.01	2	1.08	.01	.05	1	90
AU 12+50S 1+25E	16	202	39	77	1.0	50	13	141	2.46	36	5	ND	1	29	1	10	4	60	.05	.060	27	117	.67	73	.05	2	1.68	.01	.07	1	20
AU 12+50S 1+50E	15	21	42	50	.1	23	4	86	1.70	68	5	ND	1	69	1	10	4	75	.06	.047	38	42	.22	127	.04	2	1.03	.01	.07	1	32
AU 12+50S 1+75E	10	59	30	153	.5	117	20	924	5.78	331	7	ND	1	53	1	29	2	91	.08	.149	15	178	.82	140	.01	2	1.52	.01	.09	1	565
AU 12+50S 2+00E	4	83	96	104	3.2	44	23	1613	9.02	638	5	ND	1	82	1	114	5	87	.18	.361	23	56	.20	80	.01	3	1.10	.01	.05	1	655
AU 12+50S 2+25E	6	44	47	80	1.1	33	11	873	4.46	318	5	ND	1	50	1	22	2	70	.05	.179	35	54	.36	138	.01	4	1.23	.01	.07	1	240
AU 12+50S 2+50E	10	39	26	133	.4	50	13	2479	3.62	1027	37	ND	1	313	1	72	2	53	.79	.177	22	59	.55	265	.02	7	1.14	.01	.07	2	70
AU 12+50S 2+75E	3	21	33	93	1.5	25	9	387	3.15	155	5	ND	1	67	1	14	2	83	.14	.095	24	45	.74	129	.08	6	1.27	.01	.08	1	55
AU 12+50S 3+00E	12	71	78	146	.8	513	37	1386	7.11	424	5	ND	6	260	1	128	5	95	.23	.107	37	371	2.70	435	.04	5	1.86	.01	.12	1	175
AU 12+50S 3+25E	7	45	44	117	.5	184	25	877	5.57	266	5	ND	7	209	1	35	7	82	.28	.103	33	220	1.79	452	.04	2	1.36	.01	.11	1	70
AU 12+50S 3+50E	9	60	82	144	.8	144	30	2072	6.49	219	5	ND	4	539	1	56	2	86	.46	.171	45	130	.93	324	.02	7	.97	.04	.08	1	160
AU 12+50S 3+75E	14	181	136	262	2.9	232	51	3457	11.70	1190	14	ND	7	695	1	248	8	142	.66	.180	69	111	.59	444	.01	3	.87	.01	.15	1	445
STD C/AU 0.5	21	62	38	136	7.0	73	29	1124	3.92	40	18	8	32	47	17	16	18	63	.48	.106	37	58	.88	177	.09	34	1.72	.07	.14	13	510

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 12+50S 4+00E	9	129	118	214	1.4	71	34	3246	8.53	792	15	ND	5	1277	1	106	2	100	.80	.204	75	48	.46	499	.02	8	.82	.01	.14	1	225
AU 12+50S 4+25E	11	97	70	200	1.3	117	35	2340	7.53	309	13	ND	5	1968	1	312	2	109	1.96	.254	55	97	1.15	390	.06	2	1.12	.13	.12	1	165
AU 12+50S 4+50E	14	69	60	167	1.0	197	37	1760	6.55	286	7	ND	1	651	1	93	2	92	.97	.151	25	285	1.71	292	.06	4	1.30	.01	.18	3	90
AU 12+50S 4+75E	54	93	158	253	1.5	192	48	2403	9.41	713	11	ND	3	711	1	772	2	120	.54	.120	38	279	1.09	500	.04	4	1.32	.01	.12	10	150
AU 12+50S 5+00E	4	68	19	75	.4	644	51	1131	4.64	38	5	ND	2	123	1	2	2	115	.92	.078	12	901	5.57	256	.20	2	2.91	.01	.82	1	7
AU 13+00S 4+50W	3	45	16	84	.3	124	12	280	4.06	42	5	ND	1	28	1	2	2	84	.21	.194	10	221	1.51	132	.02	2	2.20	.01	.11	2	10
AU 13+00S 4+25W	4	40	26	62	.7	21	10	260	5.39	85	6	ND	1	12	1	3	2	50	.03	.086	28	49	.28	107	.04	3	1.37	.01	.08	1	10
AU 13+00S 4+00W	4	44	16	92	.6	117	14	531	3.96	83	5	ND	1	24	1	2	2	68	.12	.168	12	201	1.11	138	.02	2	1.49	.01	.10	1	22
AU 13+00S 3+75W	2	41	18	66	.1	24	8	335	4.06	48	5	ND	1	19	1	2	2	115	.12	.068	6	46	.56	117	.27	3	1.75	.01	.06	1	8
AU 13+00S 3+50W	4	47	10	106	1.1	274	20	423	4.37	142	5	ND	1	28	1	4	2	71	.14	.072	10	536	2.99	77	.05	7	2.05	.01	.06	1	24
AU 13+00S 3+25W	1	139	42	191	.8	45	38	2544	9.07	1457	7	ND	4	188	1	6	2	54	.59	.403	82	65	.44	92	.02	2	1.25	.01	.05	1	1970
AU 13+00S 3+00W	4	38	14	92	.4	219	22	837	4.04	142	5	ND	1	17	1	5	4	68	.06	.104	7	439	1.81	75	.04	2	1.39	.01	.08	1	19
AU 13+00S 2+75W	2	101	40	126	1.0	100	24	924	7.41	137	6	ND	1	62	1	20	3	75	.22	.255	54	209	.68	73	.02	2	1.08	.01	.05	1	60
AU 13+00S 2+50W	4	45	28	108	.4	136	20	1096	5.03	101	5	ND	1	19	1	3	2	77	.05	.089	10	285	1.67	106	.12	2	2.01	.01	.10	1	6
AU 13+00S 2+25W	3	34	19	64	.8	37	8	250	2.94	46	5	ND	1	28	1	3	2	65	.06	.080	10	57	.49	90	.09	6	1.49	.01	.08	1	8
AU 13+00S 2+00W	4	28	27	56	.9	31	9	439	3.59	90	5	ND	1	17	1	2	2	59	.06	.084	7	102	.49	84	.18	5	2.02	.01	.07	1	7
AU 13+00S 1+75W	5	96	22	110	.4	129	30	1386	5.00	135	5	ND	1	72	1	9	2	81	.21	.182	27	165	1.50	92	.05	2	2.02	.01	.20	1	35
AU 13+00S 1+50W	9	129	50	133	.7	167	24	848	7.67	510	5	ND	1	16	1	18	2	29	.01	.108	15	54	.16	91	.01	2	.69	.01	.07	1	125
AU 13+00S 1+25W	3	39	38	80	.4	34	9	270	4.46	78	5	ND	1	17	1	3	2	104	.04	.044	12	73	.50	154	.17	5	2.23	.01	.07	1	6
AU 13+00S 1+00W	4	51	37	107	.5	208	20	533	5.53	296	5	ND	1	12	1	7	3	99	.06	.051	13	413	2.14	102	.06	4	2.56	.01	.04	2	15
AU 13+00S 0+75W	20	76	192	273	1.2	134	16	487	5.11	76	5	ND	1	132	1	7	3	70	.41	.089	47	110	.83	277	.03	2	1.72	.01	.08	1	11
AU 13+00S 0+50W	9	46	72	92	1.2	128	14	557	3.62	47	5	ND	1	27	1	3	6	80	.06	.074	22	155	1.54	147	.09	2	1.62	.01	.14	1	11
AU 13+00S 0+25W	203	293	1392	217	3.7	115	31	1447	7.49	132	19	ND	25	75	1	1015	11	77	.15	.170	101	126	.94	101	.06	2	1.35	.01	.11	53	210
AU 13+00S 0+00W	57	62	691	185	1.2	127	21	2311	6.26	70	8	ND	2	84	1	425	7	96	.15	.236	97	182	1.30	144	.04	2	1.36	.01	.16	1	175
AU 13+00S 0+25E	19	82	128	103	2.9	74	15	869	3.06	51	5	ND	1	46	1	53	5	73	.08	.090	36	152	1.05	110	.09	7	1.77	.01	.10	2	50
AU 13+00S 0+50E	33	946	375	306	1.1	108	10	1123	5.16	125	13	ND	3	74	1	129	4	94	.13	.136	89	172	1.44	135	.05	4	2.04	.01	.12	7	145
AU 13+00S 1+00E	3	115	32	130	.8	281	32	537	4.70	113	5	ND	2	66	1	8	4	95	.33	.095	18	357	2.86	122	.08	3	1.96	.01	.10	1	65
AU 13+00S 1+25E	3	102	55	129	4.8	20	26	1140	7.10	1285	6	2	1	165	1	51	4	106	.46	.387	84	42	.27	108	.01	7	1.52	.01	.07	1	1420
AU 13+00S 1+50E	2	37	13	78	.3	59	11	201	3.75	162	5	ND	1	38	1	6	2	83	.15	.115	29	71	.52	71	.04	2	1.98	.02	.02	1	24
AU 13+00S 1+75E	2	34	31	73	.6	59	11	248	3.55	325	5	ND	1	64	1	34	3	79	.18	.185	40	66	.52	77	.03	2	1.98	.02	.04	1	250
AU 13+00S 2+00E	12	55	31	189	.2	51	13	2041	4.03	1066	23	ND	1	111	1	54	3	73	.23	.217	42	78	.72	216	.03	3	1.76	.01	.10	1	42
AU 13+00S 2+25E	2	63	37	156	.3	24	19	1039	5.08	592	10	ND	2	334	1	11	5	116	1.01	.174	46	50	1.57	286	.13	2	1.72	.02	.32	1	14
AU 13+00S 2+50E	2	75	53	137	.3	43	26	1649	6.67	55	11	ND	10	84	2	3	2	116	.51	.280	54	47	1.60	192	.19	2	1.84	.02	.50	1	33
AU 13+00S 2+75E	8	72	88	161	.8	602	51	2144	7.62	475	8	ND	7	451	1	255	2	81	.28	.134	43	311	2.23	528	.03	6	1.73	.01	.14	2	169
AU 13+00S 3+00E	11	80	104	189	1.0	485	40	1950	7.27	463	10	ND	7	418	1	257	2	88	.58	.145	45	245	1.91	349	.02	2	1.49	.01	.11	1	160
AU 13+00S 3+25E	9	34	68	174	.2	180	28	2109	5.87	194	7	ND	2	333	1	39	2	73	.29	.145	37	174	1.41	281	.04	5	1.83	.01	.29	1	27
STD C/AU 0.5	19	58	43	135	7.2	69	30	1105	3.93	40	17	8	32	47	17	17	22	63	.48	.108	36	58	.88	177	.08	38	1.72	.06	.13	13	500

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 13+50S 4+50W	5	149	22	141	.1	297	36	1451	6.55	92	5	ND	1	22	1	9	2	78	.09	.094	12	250	2.33	99	.03	2	2.16	.01	.07	1	16
AU 13+50S 4+25W	4	123	12	133	.1	240	37	1590	5.79	84	5	ND	2	15	1	8	2	81	.11	.083	9	210	2.39	67	.07	2	2.13	.01	.13	1	14
AU 13+50S 4+00W	4	83	9	125	.2	181	27	1410	4.98	79	5	ND	1	17	1	6	2	80	.08	.089	8	224	1.87	101	.04	6	1.97	.01	.10	1	25
AU 13+50S 3+75W	6	78	13	130	.7	372	34	1103	5.48	190	6	ND	1	28	1	10	2	81	.18	.075	7	645	3.56	80	.06	2	2.13	.01	.07	1	37
AU 13+50S 3+50W	6	85	2	128	.5	357	36	1476	5.50	219	6	ND	1	22	1	13	2	79	.10	.089	12	573	3.14	74	.06	10	2.13	.01	.07	1	60
AU 13+50S 3+25W	4	49	4	83	.7	125	14	619	4.50	167	11	ND	1	22	1	9	2	72	.03	.118	7	260	1.02	127	.02	2	1.50	.01	.08	1	20
AU 13+50S 3+00W	11	236	42	153	.6	495	83	5197	8.98	806	5	ND	1	13	1	35	2	52	.05	.156	6	270	1.10	122	.02	2	1.83	.01	.07	1	18
AU 13+50S 2+75W	8	74	14	131	.3	83	14	661	5.97	408	5	ND	1	40	1	8	2	64	.12	.150	8	86	.51	146	.01	2	1.47	.01	.09	1	265
AU 13+50S 2+50W	3	30	10	74	1.0	62	7	154	2.54	95	5	ND	1	30	1	3	2	67	.06	.106	14	195	1.20	144	.01	2	1.75	.01	.09	1	140
AU 13+50S 2+25W	4	26	4	64	.6	41	8	581	2.67	87	5	ND	1	26	1	4	4	57	.04	.108	21	90	.70	120	.02	5	1.42	.01	.13	1	65
AU 13+50S 2+00W	4	24	8	59	.2	45	6	387	2.19	86	5	ND	1	22	1	4	5	67	.05	.070	14	93	.44	91	.07	2	1.04	.01	.08	14	59
AU 13+50S 1+75W	5	35	12	72	.3	32	11	452	3.27	95	6	ND	1	16	1	7	2	45	.04	.110	13	74	.33	72	.01	6	1.02	.01	.10	1	360
AU 13+50S 1+50W	6	62	7	106	.3	83	16	691	6.58	137	5	ND	1	12	1	11	4	61	.04	.117	6	143	.57	113	.01	3	1.25	.01	.09	1	9
AU 13+50S 1+25W	6	58	19	129	.3	103	30	1393	5.30	189	5	ND	1	46	1	9	2	88	.16	.127	10	174	1.42	104	.03	8	1.93	.01	.09	1	55
AU 13+50S 1+00W	5	137	27	150	.9	261	32	917	6.49	270	8	ND	2	98	1	14	2	103	.44	.129	17	247	2.38	104	.06	3	1.96	.01	.17	1	170
AU 13+50S 0+75W	4	111	8	126	.6	296	34	1450	5.79	237	5	ND	2	79	1	10	2	95	.41	.092	12	233	2.44	107	.05	6	1.80	.01	.16	1	55
AU 13+50S 0+50W	4	113	13	131	.4	303	35	1428	6.04	196	5	ND	1	98	1	11	2	131	.49	.093	17	265	3.26	118	.08	7	2.17	.01	.19	1	60
AU 13+50S 1+00E	4	64	93	202	.8	130	29	1619	6.30	1178	6	ND	1	163	1	362	2	84	.38	.184	31	144	1.36	195	.01	6	1.39	.01	.06	1	265
AU 13+50S 1+25E	5	105	86	189	.8	268	34	1427	7.11	1824	5	ND	3	167	1	416	2	114	.38	.089	22	283	3.05	245	.10	8	2.04	.01	.10	2	260
AU 13+50S 1+50E	15	71	60	134	.5	164	30	1545	6.43	1224	8	ND	1	130	1	68	3	78	.27	.160	46	118	1.20	156	.03	3	1.14	.01	.09	1	290
AU 13+50S 1+75E	2	54	67	98	1.3	22	18	1281	7.08	3766	10	ND	1	97	1	474	3	75	.16	.359	49	39	.28	88	.01	4	.94	.01	.07	1	425
AU 13+50S 2+00E	3	60	52	122	.6	28	24	2087	8.00	4140	10	ND	1	104	1	278	2	76	.21	.303	42	38	.46	119	.02	15	1.12	.01	.09	1	440
AU 13+50S 2+25E	2	76	62	131	.4	44	20	1098	5.46	182	6	ND	2	127	1	16	3	112	.65	.212	51	58	1.54	389	.10	20	1.68	.02	.17	1	80
AU 13+50S 2+50E	4	88	62	168	.4	71	24	1567	5.83	122	13	ND	4	166	1	18	2	74	.55	.191	58	37	.96	345	.07	6	1.66	.01	.17	1	44
AU 13+50S 2+75E	3	119	69	179	1.1	31	33	3034	6.33	93	14	ND	5	268	1	10	2	114	1.41	.284	61	41	1.58	791	.10	11	1.55	.02	.53	1	125
AU 14+00S 4+50W	5	165	14	137	.4	294	50	1927	7.68	124	5	ND	1	18	1	12	2	79	.07	.112	5	208	2.21	111	.02	8	2.21	.01	.07	1	23
AU 14+00S 4+25W	14	211	24	131	.4	558	72	6100	11.87	59	5	ND	1	27	3	16	4	88	.19	.095	9	643	2.13	198	.02	2	2.36	.01	.04	1	26
AU 14+00S 4+00W	8	88	9	124	2.1	357	36	1312	6.04	332	5	ND	1	24	1	19	2	60	.08	.079	5	517	2.17	84	.04	10	1.67	.01	.07	1	43
AU 14+00S 3+75W	5	88	29	149	.3	176	36	1998	6.88	200	5	ND	1	31	1	9	2	58	.09	.140	15	183	1.03	121	.02	3	1.48	.01	.08	1	50
AU 14+00S 3+50W	10	186	27	162	1.3	460	85	5221	10.56	597	5	ND	1	20	1	17	2	53	.03	.161	16	133	.43	182	.02	2	1.05	.01	.08	1	95
AU 14+00S 3+25W	11	229	53	237	1.1	205	55	2233	9.04	1978	5	ND	2	58	1	15	3	67	.19	.205	26	141	1.10	119	.05	2	1.82	.02	.06	1	2970
AU 14+00S 3+00W	5	67	24	131	.4	113	24	1452	5.26	513	5	ND	1	48	1	9	4	79	.17	.168	22	173	1.22	113	.01	11	1.52	.01	.07	1	505
AU 14+00S 2+75W	7	141	29	161	.7	175	43	3050	7.45	461	5	ND	1	43	1	11	2	68	.15	.219	18	146	.91	143	.02	2	1.84	.01	.06	1	210
AU 14+00S 2+50W	4	48	21	98	.2	59	16	1326	4.76	396	5	ND	1	41	1	4	3	61	.09	.243	27	124	.71	81	.01	4	1.28	.01	.08	1	1170
AU 14+00S 2+25W	5	68	13	118	.7	104	20	1432	5.03	334	5	ND	1	39	1	4	7	75	.12	.163	15	132	.59	111	.01	12	1.10	.01	.08	1	635
AU 14+00S 2+00W	4	40	10	101	.4	89	12	576	3.42	136	5	ND	1	28	1	2	3	65	.09	.128	10	185	1.29	118	.01	5	1.58	.01	.09	1	60
STD C/AU-0.5	20	58	37	135	7.0	65	29	1102	3.93	35	21	7	32	48	18	17	19	62	.48	.107	35	58	.88	177	.08	35	1.73	.07	.13	14	490

IMPERIAL METALS PROJECT - 4120 FILE # 86-2127

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 14+00S 1+75W	6	173	13	180	.7	261	46	2080	7.31	348	5	ND	1	47	1	14	2	101	.17	.123	23	242	2.09	96	.03	7	2.07	.01	.13	1	85
AU 14+00S 1+50W	7	145	34	160	1.6	363	48	1619	6.94	457	5	ND	3	114	1	30	2	71	.32	.100	25	193	1.36	146	.02	2	1.23	.01	.10	1	220
AU 14+00S 1+25W	5	133	20	150	.9	269	41	1427	6.69	286	5	ND	4	161	1	18	3	112	.67	.178	34	187	2.27	153	.12	2	1.85	.01	.35	1	150
AU 14+00S 1+00W	2	108	2	146	.3	337	32	801	6.29	122	7	ND	1	77	1	2	2	146	.47	.085	18	354	3.98	103	.11	3	2.73	.01	.25	1	18
AU 14+00S 0+50W	4	108	30	127	.5	331	36	1291	6.20	128	5	ND	2	49	1	10	2	121	.25	.085	15	345	2.95	124	.06	2	2.18	.01	.15	1	24
AU 14+00S 0+25W	6	118	111	215	1.1	243	31	858	7.07	95	7	ND	2	86	1	16	6	137	.54	.104	26	289	2.97	321	.10	3	1.87	.01	.23	1	70
AU 14+00S 0+00W	5	188	77	139	1.5	318	50	1624	6.60	109	5	ND	2	155	1	20	5	122	1.01	.086	21	304	3.14	208	.11	6	1.75	.01	.47	1	75
AU 14+00S 0+25E	4	106	64	171	.7	233	35	1983	7.15	155	5	ND	3	160	1	24	2	139	.68	.120	28	249	2.91	141	.09	4	1.89	.01	.13	1	125
AU 14+00S 0+50E	3	107	50	213	2.0	45	33	3176	7.91	302	5	ND	3	219	1	43	2	81	.66	.270	68	35	.28	111	.01	6	.50	.01	.06	1	255
AU 14+00S 0+75E	5	118	97	287	1.8	85	35	2841	9.05	409	8	ND	1	201	1	48	2	119	.68	.277	73	82	.66	510	.02	2	1.14	.01	.09	1	285
AU 14+00S 1+00E	3	70	98	238	1.0	95	27	1519	6.66	1363	10	ND	2	242	1	438	2	74	.41	.173	55	74	.69	230	.01	5	.94	.01	.06	1	265
AU 14+00S 1+25E	11	92	98	209	1.1	193	40	1791	8.16	2489	6	ND	2	167	1	506	2	96	.36	.163	43	157	1.58	154	.04	2	1.35	.01	.06	1	370
AU 14+00S 1+50E	10	57	52	147	.5	164	27	1339	6.31	1276	5	ND	1	140	1	54	2	98	.37	.151	31	213	1.89	164	.03	4	1.46	.01	.07	1	620
AU 14+00S 1+75E	2	44	38	121	.3	38	18	1474	5.17	287	5	ND	1	104	1	53	3	89	.11	.173	34	43	.58	101	.05	3	1.37	.01	.09	1	53
AU 14+00S 2+00E	1	59	32	175	.5	30	25	2985	5.83	151	7	ND	2	165	1	8	2	118	.73	.249	48	51	1.40	507	.09	3	1.53	.02	.30	1	47
AU 14+00S 2+25E	1	68	48	165	.6	35	25	1548	5.59	136	10	ND	3	110	1	7	2	116	.70	.175	49	48	1.54	413	.11	2	1.70	.02	.30	1	105
AU 14+00S 2+50E	1	99	74	144	.4	23	29	2057	5.77	215	6	ND	5	126	1	9	2	128	.63	.169	59	45	1.86	497	.14	4	1.81	.01	.41	1	110
AU 14+00S 2+75E	2	134	66	171	.6	35	35	2646	6.21	251	7	ND	4	224	1	13	2	116	.98	.175	55	40	1.59	985	.10	8	1.64	.01	.37	1	180
AU 14+50S 4+50W	4	132	31	140	1.1	74	36	1223	7.13	98	12	ND	9	277	1	3	2	152	1.17	.463	66	96	2.61	604	.25	2	2.44	.01	.97	1	60
AU 14+50S 4+25W	8	240	31	161	1.6	599	76	4648	10.21	240	5	ND	2	55	1	14	3	79	.10	.108	11	442	2.01	189	.01	2	1.88	.01	.08	1	50
AU 14+50S 4+00W	6	192	20	185	1.1	331	52	1747	7.91	439	5	ND	2	63	1	17	4	65	.13	.069	5	194	1.41	122	.01	3	1.36	.01	.11	1	70
AU 14+50S 3+75W	6	182	34	201	.7	294	58	2151	7.84	453	5	ND	1	64	1	23	2	69	.18	.079	9	196	1.32	161	.01	6	1.43	.01	.12	1	42
AU 14+50S 3+50W	3	152	48	121	2.0	66	51	2380	19.26	13873	16	5	8	292	1	33	2	63	.83	.493	75	65	.28	174	.02	6	1.28	.01	.06	1	4850
AU 14+50S 3+25W	7	161	29	141	.9	181	47	1905	7.32	341	7	ND	2	35	1	10	2	64	.12	.109	15	127	1.16	119	.01	2	1.42	.01	.07	1	520
AU 14+50S 3+00W	4	138	13	142	.6	265	35	1524	6.13	278	5	ND	2	37	1	11	5	77	.11	.061	11	205	1.87	78	.01	2	1.58	.01	.08	1	65
AU 14+50S 2+75W	6	155	27	181	.8	470	71	4593	7.45	479	5	ND	1	65	1	24	4	85	.35	.141	10	423	1.65	141	.01	4	1.59	.01	.07	1	65
AU 14+50S 2+50W	9	154	32	161	2.2	414	54	1833	7.09	578	5	ND	3	171	1	36	2	64	.67	.096	18	176	1.42	132	.01	5	1.03	.01	.12	1	280
AU 14+50S 2+25W	6	179	35	183	1.1	352	49	1623	7.15	312	6	ND	2	49	1	20	4	88	.13	.062	9	288	2.06	93	.01	2	1.73	.01	.08	1	55
AU 14+50S 2+00W	8	154	39	163	2.0	397	53	1825	7.22	551	5	ND	3	131	1	35	2	75	.39	.120	27	184	1.43	146	.04	11	1.22	.01	.14	1	265
AU 14+50S 1+75W	6	140	29	136	.9	422	49	2021	7.22	226	5	ND	3	80	1	13	2	132	.31	.079	17	345	3.42	147	.07	2	2.38	.01	.19	1	150
AU 14+50S 1+50W	2	90	15	126	.5	385	40	1598	5.86	75	5	ND	1	37	1	6	2	172	.32	.074	12	409	5.15	80	.12	2	3.15	.01	.36	2	10
AU 14+50S 1+25W	3	106	26	139	.5	280	43	1782	6.28	155	6	ND	1	138	1	7	2	108	.75	.158	23	252	2.42	130	.08	2	1.86	.01	.23	1	25
AU 14+50S 1+00W	4	83	33	129	1.7	186	33	1635	8.79	425	5	ND	1	11	1	7	2	131	.04	.137	10	315	1.67	109	.01	10	1.93	.01	.09	1	32
AU 14+50S 0+75W	9	274	55	148	1.2	543	99	2793	14.64	969	8	ND	2	8	1	13	11	161	.05	.079	20	248	3.18	51	.02	7	2.88	.01	.05	1	100
AU 14+50S 0+50W	4	59	26	107	.4	175	27	785	6.08	163	10	ND	1	30	1	7	2	146	.18	.064	7	254	2.57	168	.07	2	1.91	.01	.09	1	24
AU 14+50S 0+25W	5	111	63	128	.7	314	36	1473	7.06	179	5	ND	1	92	1	10	3	115	.48	.087	11	214	1.78	336	.06	6	1.52	.01	.11	1	30
STD C/AU 0.5	19	58	42	138	7.0	70	31	1124	3.93	43	21	8	33	48	19	16	18	63	.48	.103	36	61	.88	178	.08	38	1.72	.07	.14	14	500

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 14+50S 0+00E	4	206	132	239	1.5	69	44	2493	9.82	295	10	ND	5	634	1	83	5	112	.72	.259	71	65	.52	1147	.01	2	1.05	.01	.13	1	460
AU 14+50S 0+50E	5	109	78	206	3.4	23	35	2546	9.62	406	8	ND	2	299	1	57	7	76	.93	.316	65	27	.21	66	.01	2	.45	.01	.07	2	315
AU 14+50S 0+75E	3	77	71	235	1.6	28	31	2801	8.13	907	8	ND	1	393	1	54	2	98	1.00	.354	68	31	.26	125	.01	4	.69	.01	.10	1	230
AU 14+50S 1+00E	5	111	99	200	2.8	32	35	2481	10.58	450	10	ND	1	427	1	80	7	140	.44	.277	77	39	.19	197	.01	4	.87	.01	.06	1	390
AU 14+50S 1+25E	11	49	568	727	2.5	44	26	2889	7.16	5255	30	ND	3	1040	1	2959	2	45	1.65	.216	62	37	.44	215	.01	4	1.05	.01	.06	1	180
AU 14+50S 1+50E	8	64	54	155	.5	188	34	2561	6.05	1184	5	ND	1	222	1	119	2	78	.56	.136	37	140	1.47	252	.03	2	1.21	.01	.08	1	150
AU 14+50S 1+75E	17	90	79	155	1.0	256	38	1843	7.66	1597	5	ND	8	177	1	92	5	86	.25	.160	48	149	1.43	207	.03	8	1.30	.01	.07	2	415
AU 14+50S 2+00E	1	41	31	107	.3	32	16	955	5.42	379	9	ND	1	121	1	21	2	112	.36	.210	46	50	.77	297	.06	2	1.09	.01	.16	1	27
AU 14+50S 2+25E	1	42	76	97	.2	13	16	1403	4.38	157	6	ND	4	227	1	6	2	130	.58	.149	43	40	1.14	231	.21	6	1.35	.02	.15	1	13
AU 14+50S 2+50E	1	59	33	122	.4	23	20	1319	5.71	100	9	ND	6	72	1	7	2	140	.47	.197	55	47	1.41	313	.14	3	1.54	.02	.28	1	5
AU 14+50S 2+75E	4	32	34	91	.2	54	14	840	4.09	143	9	ND	3	95	1	18	2	71	.12	.101	32	50	.61	146	.06	2	1.32	.01	.13	2	11
AU 14+50S 3+00E	3	7	5	33	.2	17	2	69	.84	68	5	ND	1	60	1	11	2	28	.02	.034	33	28	.08	62	.01	4	.55	.01	.06	1	23
AU 14+50S 3+50E	4	12	22	37	.5	48	4	68	1.48	137	5	ND	2	43	1	21	4	32	.02	.028	28	28	.06	50	.02	2	.59	.01	.04	2	5
AU 14+50S 3+75E	2	6	22	33	.7	9	2	74	1.58	73	5	ND	1	34	1	10	2	23	.03	.052	27	22	.05	52	.02	2	.70	.01	.04	1	2
AU 14+50S 4+00E	3	6	14	20	.1	10	2	16	.63	33	5	ND	1	37	1	12	2	10	.01	.030	31	10	.03	35	.01	2	.27	.01	.04	1	4
AU 14+50S 4+25E	2	123	26	162	.9	1043	93	2286	10.62	1400	6	ND	5	171	1	125	12	26	.03	.045	24	106	.23	148	.01	3	.98	.01	.10	1	80
AU 14+50S 4+50E	8	93	9	148	.9	277	25	1167	7.94	124	5	ND	3	21	1	9	2	81	.03	.077	18	207	.63	156	.01	8	2.18	.01	.10	1	7
AU 14+50S 4+75E	11	65	5	129	.3	177	20	611	5.32	107	5	ND	3	22	1	8	2	66	.03	.053	15	126	.35	261	.01	2	1.64	.01	.12	2	6
AU 14+50S 5+00E	12	70	24	117	.3	276	28	1115	5.42	92	5	ND	1	35	1	9	2	121	.05	.091	16	347	1.42	301	.01	6	1.97	.01	.11	2	6
AU 14+50S 5+25E	25	150	23	206	.4	348	51	2327	7.06	142	5	ND	2	27	1	11	2	34	.05	.086	17	118	.82	263	.01	11	1.22	.01	.11	1	8
AU 14+50S 5+50E	21	141	30	212	.3	355	53	2512	6.62	146	5	ND	2	35	1	11	2	36	.13	.088	17	145	1.05	255	.01	11	1.26	.01	.10	1	7
AU 14+50S 5+75E	11	82	16	148	.3	340	38	1314	6.38	125	5	ND	2	31	1	10	2	89	.12	.071	13	366	2.31	258	.01	4	2.06	.01	.13	1	3
AU 14+50S 6+00E	5	73	7	143	.4	600	39	979	6.42	199	5	ND	1	111	1	32	2	57	1.04	.147	10	448	2.61	147	.01	6	1.28	.01	.13	1	6
STD C/AU-0.5	19	59	38	134	6.9	71	30	1104	3.94	41	20	8	32	48	17	17	18	62	.48	.109	35	58	.88	176	.08	40	1.72	.06	.14	12	480

30 ppm = 1 oz/t

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOIL -80 MESH AU8 ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: AUG 25 1986 DATE REPORT MAILED: Aug 29/86 ASSAYER. D. Toye ...DEAN TOYE. CERTIFIED B.C. ASSAYER.

IMPERIAL METALS PROJECT - 4120 FILE # 86-2251 PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 3+25N 0+00W	6	169	77	158	1.4	79	25	1335	7.82	361	7	ND	5	176	1	16	2	59	.10	.232	34	29	.61	243	.03	4	1.90	.06	.28	1	55
AU 3+00N 3+25W	3	262	17	147	.4	94	25	1273	4.22	21	5	ND	2	13	1	10	2	48	.20	.081	10	44	1.30	78	.18	5	1.56	.03	.06	1	12
AU 3+00N 3+00W	2	58	11	121	1.1	30	9	924	3.22	8	5	ND	1	14	1	4	2	59	.12	.063	6	47	1.03	193	.15	5	1.85	.03	.08	1	8
AU 3+00N 2+75W	2	34	13	74	1.0	23	4	206	3.70	6	5	ND	1	6	1	2	2	59	.03	.031	3	71	1.02	111	.13	4	2.21	.02	.05	1	3
AU 3+00N 2+50W	2	24	13	78	2.3	87	6	258	3.07	10	5	ND	1	12	1	4	2	86	.06	.033	3	272	1.65	91	.22	4	1.93	.03	.04	1	4
AU 3+00N 2+25W	2	67	70	132	.7	373	14	453	5.60	387	6	ND	14	194	1	12	2	180	.69	.211	60	196	2.21	150	.14	3	1.81	.06	.26	1	145
AU 3+00N 2+00W	5	36	33	124	.7	745	19	922	5.13	101	5	ND	3	82	1	14	2	112	.40	.063	16	718	1.72	89	.18	5	1.85	.04	.08	1	9
AU 3+00N 1+75W	11	82	19	184	.2	336	27	523	5.88	51	5	ND	4	17	1	6	2	176	.01	.041	8	525	5.38	115	.10	5	3.31	.04	.09	1	11
AU 3+00N 1+50W	2	119	13	135	.8	269	63	1033	8.56	67	5	ND	4	19	1	9	2	75	.04	.152	24	108	.58	219	.03	8	1.21	.03	.42	1	13
AU 3+00N 1+25W	2	50	22	139	.7	370	32	951	6.37	221	5	ND	3	34	1	5	2	129	.15	.045	7	506	3.34	128	.16	5	2.52	.04	.07	1	20
AU 3+00N 1+00W	6	121	377	430	2.5	446	42	2409	8.61	616	5	ND	3	67	1	45	2	48	.02	.102	13	89	.15	138	.01	3	.69	.03	.07	1	75
AU 3+00N 0+75W	3	220	238	603	2.9	643	68	2541	14.17	842	5	ND	3	108	2	23	2	92	.15	.083	6	236	.37	184	.01	2	.91	.04	.08	1	65
AU 3+00N 0+25W	4	222	70	280	1.3	284	55	2324	7.63	718	5	ND	6	91	1	21	2	52	.21	.118	25	40	.17	150	.01	4	2.26	.03	.06	1	55
AU 3+00N 0+00W	6	194	108	154	1.3	67	22	1078	7.41	657	12	ND	5	208	1	4	3	55	.11	.236	33	30	.62	251	.03	4	2.33	.07	.30	1	22
AU 2+75N 0+00W	8	124	71	140	.2	26	24	1481	8.46	141	8	ND	13	379	1	4	2	76	.29	.415	49	33	1.44	117	.06	2	1.79	.11	.78	1	9
AU 2+50N 3+75W	3	120	12	128	.8	68	15	1106	3.34	5	5	ND	2	13	1	2	2	56	.14	.096	8	57	1.49	113	.14	5	1.69	.03	.07	1	6
AU 2+50N 3+50W	10	74	12	137	.7	69	12	654	3.80	25	5	ND	2	13	1	2	2	60	.09	.108	10	103	1.43	111	.12	5	1.68	.03	.06	1	4
AU 2+50N 3+25W	3	126	14	150	.9	56	33	1395	6.07	13	5	ND	2	12	1	2	2	62	.12	.091	5	50	1.39	98	.25	4	2.05	.03	.04	1	3
AU 2+50N 3+00W	7	13	45	53	1.1	12	4	165	1.69	36	5	ND	3	55	1	5	2	83	.10	.078	14	50	.40	190	.32	3	.93	.03	.08	1	9
AU 2+50N 2+75W	25	112	107	222	.8	401	49	1822	9.15	464	5	ND	7	242	1	46	2	57	.03	.173	24	111	.55	307	.01	2	1.30	.06	.19	1	110
AU 2+50N 2+50W	8	157	80	307	1.0	669	62	1864	10.83	621	5	ND	5	83	1	43	2	64	.03	.114	13	127	.56	182	.01	2	1.00	.04	.10	1	75
AU 2+50N 2+25W	45	52	119	112	.5	74	9	294	7.32	234	10	ND	5	334	1	14	2	43	.08	.264	47	59	.40	123	.01	5	.98	.10	.52	1	10
AU 2+50N 2+00W	28	82	106	192	.5	156	27	1413	8.20	295	5	ND	4	322	1	23	2	38	.41	.300	35	54	.44	265	.01	5	.86	.09	.35	1	14
AU 2+50N 1+75W	7	112	118	265	1.4	499	45	1574	8.56	539	5	ND	3	153	1	43	2	56	.24	.090	11	201	.74	188	.01	2	.93	.04	.09	1	21
AU 2+50N 1+50W	8	83	184	273	.7	369	35	1258	7.46	477	5	ND	3	106	1	38	2	53	.08	.106	12	176	.50	165	.01	5	.92	.04	.09	1	31
AU 2+50N 1+25W	4	131	106	185	.8	588	56	1604	7.73	142	5	ND	2	121	1	11	2	121	.70	.086	10	457	2.97	99	.06	3	2.25	.06	.13	1	15
AU 2+50N 1+00W	44	90	355	124	.7	66	15	775	9.61	342	5	ND	21	541	1	143	3	36	.06	.334	57	28	.38	95	.03	10	.92	.15	.63	1	70
AU 2+50N 0+75W	10	157	86	243	1.2	254	40	1635	7.61	435	5	ND	6	153	1	22	2	43	.18	.163	26	37	.44	234	.03	5	.96	.05	.15	1	60
AU 2+50N 0+50W	6	120	43	149	.8	118	26	1155	7.16	263	5	ND	3	70	1	19	2	34	.08	.122	16	25	.18	141	.01	5	.89	.03	.07	1	75
AU 2+50N 0+25W	4	67	75	81	.1	10	10	605	9.37	263	9	ND	12	452	1	5	3	58	.12	.420	38	20	.85	77	.05	2	1.12	.19	1.03	1	12
AU 2+50N 0+00W	10	136	82	157	.2	25	26	1847	8.86	138	7	ND	13	367	1	3	5	69	.22	.431	53	28	1.34	121	.05	2	1.86	.12	.73	1	17
AU 2+50N 0+25E	62	92	98	119	.2	16	16	961	9.01	145	10	ND	15	412	1	10	8	44	.13	.491	60	16	.72	111	.04	4	1.23	.17	.68	1	5
AU 2+50N 0+50E	42	144	101	188	.2	27	31	2291	8.70	136	10	ND	8	276	1	9	4	48	.14	.308	90	17	.62	341	.02	3	1.88	.08	.33	1	4
AU 2+50N 0+75E	21	147	94	225	.6	35	34	2774	9.70	932	13	ND	12	376	1	22	3	53	.28	.347	78	19	.61	331	.03	2	1.86	.08	.35	1	495
AU 2+25N 0+00W	10	146	86	159	.3	28	29	1839	9.04	149	12	ND	14	380	1	7	7	74	.20	.440	34	34	1.49	123	.03	2	1.97	.12	.77	1	9
AU 2+00N 4+50W	3	120	13	183	1.5	102	16	802	3.72	9	5	ND	2	39	2	2	2	37	.52	.128	10	59	1.56	101	.09	8	1.34	.04	.06	1	4
STD C/AU 0.5	20	62	40	143	7.0	74	30	1156	3.97	38	18	8	37	51	19	17	18	72	.48	.107	38	62	.89	182	.09	39	1.72	.10	.15	13	510

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 2+00N 4+25W	3	285	12	209	1.5	105	18	677	4.08	25	5	ND	2	41	1	2	2	43	.58	.122	17	49	1.51	117	.08	7	1.33	.04	.07	1	9
AU 2+00N 4+00W	3	107	12	97	.8	27	15	2652	3.18	11	5	ND	1	16	1	4	3	44	.17	.109	4	34	.89	151	.09	4	1.99	.02	.06	1	15
AU 2+00N 3+75W	12	138	12	196	.7	109	16	619	4.59	10	5	ND	2	16	1	4	2	50	.34	.102	9	52	1.13	82	.12	7	1.41	.03	.05	1	5
AU 2+00N 3+50W	3	138	16	179	.6	88	35	1338	6.27	12	5	ND	2	22	1	2	2	91	.26	.148	2	71	1.98	92	.18	5	2.26	.04	.07	1	6
AU 2+00N 3+25W	9	91	72	166	.6	198	30	1156	6.31	169	5	ND	12	282	1	2	2	165	.86	.340	47	128	2.76	489	.22	7	2.21	.07	.82	1	50
AU 2+00N 3+00W	8	95	60	148	.3	212	28	1128	6.44	198	5	ND	12	207	1	2	2	168	.57	.264	45	171	3.01	392	.22	5	2.37	.06	.59	1	60
AU 2+00N 2+75W	66	90	179	190	.9	176	19	1012	10.22	442	5	ND	7	522	1	30	4	39	.08	.286	44	56	.27	96	.01	3	.92	.13	.46	1	75
AU 2+00N 2+50W	11	122	74	204	1.2	531	49	1691	9.40	544	5	ND	3	113	1	41	4	63	.07	.116	8	174	.69	177	.01	5	1.00	.04	.12	1	185
AU 2+00N 2+25W	38	123	105	251	.7	273	34	1518	9.87	489	7	ND	4	380	1	46	4	51	.11	.312	25	73	.55	224	.01	2	1.20	.10	.33	1	90
AU 2+00N 2+00W	33	117	109	219	.9	291	37	1470	9.50	415	5	ND	11	336	1	29	3	52	.24	.250	31	73	.66	119	.03	4	1.01	.10	.48	1	75
AU 2+00N 1+75W	14	139	103	268	1.4	420	51	1762	10.05	530	5	ND	5	202	1	32	2	54	.41	.136	18	85	.55	296	.01	2	1.05	.06	.18	1	55
AU 2+00N 1+50W	9	115	239	360	2.2	442	37	1502	9.83	586	5	ND	3	111	1	62	4	43	.12	.070	8	70	.11	180	.01	2	.61	.03	.06	1	125
AU 2+00N 1+25W	29	126	262	245	.9	205	33	1931	11.60	749	17	ND	38	317	1	81	6	63	.03	.246	46	56	.34	127	.02	2	1.38	.10	.43	1	215
AU 2+00N 1+00W	60	85	427	109	.8	46	10	436	11.62	445	5	ND	13	626	1	175	8	27	.06	.475	49	19	.22	59	.01	2	.75	.22	.78	1	60
AU 2+00N 0+75W	18	133	81	200	.4	38	35	2291	8.71	176	10	ND	13	293	1	3	7	63	.32	.392	59	31	1.09	311	.07	3	1.76	.08	.44	1	18
AU 2+00N 0+50W	23	106	95	136	.4	26	21	1249	10.69	249	5	ND	15	674	1	7	6	49	.19	.523	50	25	.72	80	.04	3	1.45	.20	.60	1	15
AU 2+00N 0+25W	7	161	83	126	.3	20	27	1921	12.04	343	7	ND	12	633	1	9	16	77	.20	.659	47	26	1.11	74	.05	2	2.29	.20	.92	1	21
AU 2+00N 0+00W	12	135	88	149	.3	24	24	1452	9.77	170	13	ND	12	438	1	2	8	79	.31	.493	49	34	1.48	80	.06	2	1.81	.13	.83	1	13
AU 1+75N 0+00W	6	146	78	161	.3	30	29	1881	8.81	140	8	ND	11	409	1	2	9	86	.38	.435	43	37	1.79	86	.08	2	1.94	.11	.85	1	13
AU 1+50N 4+50W	7	189	18	272	.7	104	51	1932	8.01	36	5	ND	2	26	1	4	3	51	.31	.143	6	42	1.45	93	.15	5	2.08	.04	.05	1	8
AU 1+50N 4+25W	5	189	13	288	2.7	129	17	334	5.87	30	5	ND	2	62	2	3	2	17	1.58	.091	6	36	.89	120	.04	6	.74	.05	.03	1	16
AU 1+50N 4+00W	3	96	10	111	.1	71	60	1774	9.30	65	5	ND	2	35	1	2	2	242	.37	.073	2	66	2.41	139	.37	2	3.42	.05	.04	1	2
AU 1+50N 3+75W	4	69	12	114	1.1	35	13	516	6.55	8	5	ND	3	24	1	2	2	116	.44	.072	6	54	1.29	133	.29	6	2.38	.06	.30	1	5
AU 1+50N 3+50W	5	41	23	95	.2	54	14	1029	5.46	117	5	ND	2	43	1	7	2	145	.24	.160	7	63	.71	118	.09	6	1.78	.04	.07	1	11
AU 1+50N 3+25W	3	62	22	95	.1	77	20	688	5.16	66	5	ND	2	53	1	2	3	158	.20	.099	9	89	1.57	92	.21	7	2.35	.04	.07	1	19
AU 1+50N 3+00W	8	117	19	172	.4	744	79	2076	6.07	41	5	ND	5	32	1	2	4	121	.23	.079	18	836	5.78	92	.16	10	3.37	.05	.05	1	19
AU 1+50N 2+75W	4	118	60	187	.6	70	26	1161	6.40	25	12	ND	18	450	1	3	2	197	1.46	.495	84	107	2.42	896	.18	7	2.06	.07	.85	1	165
AU 1+50N 2+50W	44	137	138	199	1.1	341	35	1431	9.49	412	10	ND	13	383	1	36	3	41	.04	.239	39	54	.33	128	.02	2	1.24	.11	.41	1	95
AU 1+50N 2+25W	40	150	114	197	1.0	417	57	1699	10.14	320	9	ND	12	373	1	27	2	63	.17	.231	38	97	1.02	126	.01	2	1.58	.12	.39	1	80
AU 1+50N 2+00W	54	99	164	239	1.8	257	29	1112	9.83	597	5	ND	16	534	1	36	4	44	.29	.168	26	48	.26	95	.01	2	.53	.12	.43	1	185
AU 1+50N 1+75W	147	106	271	83	.9	10	5	285	14.90	464	9	ND	22	1042	1	42	8	24	.04	.683	60	5	.07	70	.01	2	.57	.30	1.06	1	85
AU 1+50N 1+50W	139	98	215	85	.6	11	7	401	16.66	399	6	ND	19	1169	1	28	9	24	.04	.784	48	5	.08	74	.01	3	.61	.48	1.30	1	70
AU 1+50N 1+25W	81	87	155	112	.5	15	10	596	13.64	305	10	ND	20	661	1	18	8	19	.04	.569	53	5	.10	56	.01	2	.69	.27	1.07	1	65
AU 1+50N 1+00W	41	73	139	74	.3	10	7	332	16.58	343	8	ND	19	818	1	25	11	20	.04	.834	52	4	.10	56	.01	2	.43	.41	1.36	1	60
AU 1+50N 0+75W	38	113	120	142	.3	26	22	1371	10.61	221	15	ND	17	497	1	9	7	42	.13	.465	60	13	.54	85	.04	4	1.37	.15	.55	1	29
AU 1+50N 0+50W	23	121	83	148	.2	28	22	1240	9.76	168	7	ND	12	674	1	5	7	42	.24	.469	65	23	.65	114	.03	11	1.51	.14	.38	1	18
STD C/AU-0.5	20	61	38	140	7.3	73	30	1131	3.95	39	19	8	36	50	18	17	21	70	.48	.104	37	58	.88	188	.09	38	1.72	.10	.14	13	490

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	In PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 1+50N 0+25W	8	117	89	145	.4	30	28	1755	8.81	191	5	ND	12	412	1	2	4	62	.33	.417	60	32	1.16	107	.06	8	1.62	.11	.60	1	32
AU 1+50N 0+00W	6	99	80	117	.5	19	18	1118	9.43	180	5	ND	7	470	1	2	4	78	.26	.384	58	34	1.43	60	.06	10	1.64	.14	.96	1	15
AU 1+50N 0+25E	8	135	112	136	.4	22	23	1316	10.41	150	7	ND	14	493	1	2	4	77	.18	.533	66	35	1.53	83	.05	7	1.95	.16	.83	1	15
AU 1+50N 0+50E	13	105	78	162	.3	32	33	2371	6.71	77	5	ND	6	277	1	4	2	63	.26	.249	69	23	.81	514	.02	5	1.94	.06	.30	1	27
AU 1+25N 0+00W	3	137	73	155	.4	34	36	1866	8.32	124	5	ND	10	438	1	2	3	89	.55	.432	59	44	1.84	97	.09	8	1.98	.10	.84	1	18
AU 1+00N 4+50W	3	27	14	64	.3	21	4	268	2.60	10	5	ND	1	25	1	2	2	56	.28	.076	10	43	.69	106	.08	2	1.11	.02	.04	1	4
AU 1+00N 4+25W	2	65	18	119	.3	56	11	657	4.53	31	7	ND	2	65	1	2	2	72	.77	.104	15	64	.97	232	.10	5	2.01	.04	.05	1	5
AU 1+00N 4+00W	2	41	13	128	.5	73	13	531	4.09	16	5	ND	2	17	1	2	2	60	.11	.073	17	51	.95	84	.20	5	1.66	.03	.06	1	3
AU 1+00N 3+75W	1	82	11	110	.2	60	22	902	6.53	63	5	ND	1	16	1	2	2	224	.20	.077	19	73	2.58	69	.23	5	3.01	.04	.07	1	5
AU 1+00N 3+50W	3	148	27	107	.2	93	16	779	5.48	79	5	ND	1	51	1	2	2	166	.36	.162	22	100	1.31	129	.08	7	2.26	.04	.05	1	10
AU 1+00N 3+25W	22	121	87	170	.7	341	47	1662	8.38	246	8	ND	15	331	1	15	2	80	.08	.255	54	331	2.33	140	.12	9	2.43	.12	.34	1	130
AU 1+00N 3+00W	4	41	19	88	.2	475	32	595	5.92	85	5	ND	4	42	1	2	2	113	.07	.046	22	815	5.08	81	.22	5	2.84	.05	.06	1	22
AU 1+00N 2+75W	28	36	79	49	.4	8	4	101	4.10	128	5	ND	22	251	1	11	4	10	.03	.175	67	11	.04	177	.01	5	.35	.08	.31	2	19
AU 1+00N 2+50W	59	119	510	172	3.0	565	48	1272	10.89	953	5	ND	13	390	1	45	2	46	.12	.207	55	87	.22	91	.01	3	.62	.11	.37	1	145
AU 1+00N 2+25W	52	73	112	113	.5	14	11	802	5.78	125	7	ND	21	350	1	10	2	32	.13	.282	68	14	.43	164	.03	8	.79	.09	.49	1	21
AU 1+00N 2+00W	92	96	224	75	.8	15	5	201	13.15	412	5	ND	13	697	1	43	3	29	.03	.430	72	12	.18	69	.01	2	.75	.25	.90	1	130
AU 1+00N 1+75W	108	95	219	90	.8	10	5	264	14.77	354	5	ND	20	924	1	12	4	26	.03	.600	76	8	.11	69	.01	3	.69	.38	1.13	1	53
AU 1+00N 1+50W	141	109	245	89	.8	9	6	379	17.03	399	5	ND	20	1229	1	14	12	23	.04	.729	76	7	.08	75	.01	9	.78	.41	1.09	1	70
AU 1+00N 1+25W	117	102	256	104	.6	13	10	780	16.43	326	5	ND	20	643	1	2	8	19	.04	.579	68	4	.07	76	.01	8	.64	.27	1.57	1	95
AU 1+00N 1+00W	80	121	176	175	.6	21	17	1062	12.74	292	5	ND	23	629	1	6	3	20	.04	.538	90	5	.10	86	.01	4	.90	.21	.53	1	65
AU 1+00N 0+75W	55	90	111	118	.5	19	16	860	11.30	212	5	ND	13	591	1	2	6	20	.06	.486	69	9	.21	75	.01	2	.78	.20	.60	1	50
AU 1+00N 0+50W	10	190	67	205	.5	45	48	3515	11.00	220	5	ND	12	279	1	2	2	50	.66	.604	82	18	.53	277	.04	4	1.25	.07	.21	1	40
AU 1+00N 0+25W	5	132	96	159	.5	42	36	2267	7.75	129	5	ND	12	319	1	2	5	81	.55	.415	51	47	1.68	152	.10	10	1.87	.09	.70	1	16
AU 1+00N 0+00W	6	151	86	170	.4	40	38	2331	7.81	106	5	ND	11	299	1	2	4	89	.59	.409	63	37	1.86	199	.11	7	2.11	.08	.72	1	28
AU 1+00N 0+25E	5	113	88	146	.3	15	15	824	10.69	129	5	ND	12	588	1	2	2	107	.20	.532	63	38	2.31	70	.06	2	2.07	.14	1.07	1	18
AU 1+00N 0+50E	8	96	72	131	.2	25	22	1550	6.26	67	5	ND	5	274	1	2	2	57	.21	.262	66	19	.55	507	.02	5	1.83	.06	.34	1	25
AU 0+75N 0+00W	12	174	122	180	.4	33	35	1759	9.93	154	10	ND	16	360	1	2	60	78	.26	.504	62	28	1.59	131	.06	7	2.09	.09	.61	1	28
AU 0+50N 4+50W	4	131	16	152	.2	78	62	2232	8.93	26	5	ND	2	18	1	2	2	104	.14	.124	14	46	1.59	113	.21	2	2.75	.04	.06	1	5
AU 0+50N 4+25W	3	35	16	87	.8	46	8	346	4.22	19	5	ND	1	14	1	2	2	77	.05	.065	10	74	.96	106	.18	2	1.87	.02	.04	1	4
AU 0+50N 4+00W	2	45	9	109	.2	54	20	932	6.71	90	5	ND	2	18	1	2	2	223	.09	.058	11	87	2.16	93	.28	2	2.86	.04	.08	1	5
AU 0+50N 3+75W	6	140	44	122	.6	536	59	2823	6.92	224	5	ND	7	104	1	5	2	133	.14	.159	39	361	2.79	262	.12	4	3.58	.06	.18	1	135
AU 0+50N 3+50W	44	63	182	39	.8	10	3	146	13.26	650	5	ND	20	630	1	49	2	23	.03	.381	76	8	.07	70	.01	6	.72	.28	1.27	2	180
AU 0+50N 3+25W	6	20	998	9	.2	3	1	26	2.21	134	8	ND	18	213	1	112	3	6	.01	.093	44	10	.02	271	.01	2	.22	.06	.23	1	24
AU 0+50N 2+75W	17	40	87	34	.1	12	3	63	5.19	182	5	ND	23	293	1	15	2	11	.02	.164	52	18	.07	111	.01	4	.35	.10	.41	1	29
AU 0+50N 2+50W	56	76	158	76	1.5	10	5	205	11.52	377	5	ND	21	721	1	33	4	18	.03	.449	60	8	.07	67	.01	2	.62	.25	.86	1	155
AU 0+50N 2+25W	77	81	183	87	.9	10	6	274	13.18	333	5	ND	19	720	1	24	2	20	.03	.544	62	6	.07	71	.01	2	.64	.29	.94	1	105
STD C/AU-0.5	20	60	35	139	7.3	71	30	1134	3.96	42	18	7	36	50	18	16	22	70	.48	.107	41	58	.89	187	.09	34	1.72	.09	.14	12	500

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 0+50N 2+25W A	85	87	213	85	.9	13	6	319	12.67	316	10	ND	23	811	1	42	5	21	.04	.526	49	7	.10	48	.01	2	.94	.25	.87	1	150
AU 0+50N 2+00W	123	97	205	92	.5	13	7	335	13.90	361	9	ND	17	899	1	51	6	25	.04	.606	54	8	.08	64	.01	3	1.02	.28	.92	1	165
AU 0+50N 1+75W	128	119	169	140	.7	18	13	721	13.13	260	12	ND	11	724	1	21	4	32	.07	.648	65	12	.14	88	.02	2	1.33	.24	.60	1	25
AU 0+50N 1+50W	200	110	274	118	.9	13	6	368	14.82	351	8	ND	23	944	1	21	6	37	.07	.652	60	12	.27	54	.02	3	1.00	.31	1.07	1	55
AU 0+50N 1+25W	194	182	346	179	1.1	20	12	1006	13.80	461	16	ND	29	756	1	40	3	27	.05	.529	89	6	.10	60	.01	2	1.24	.22	.68	1	140
AU 0+50N 1+00W	153	205	373	244	.8	33	38	3148	14.84	334	12	ND	27	625	1	26	10	18	.07	.573	82	6	.06	87	.01	2	1.08	.12	.34	1	110
AU 0+50N 0+75W	93	149	262	180	.4	28	16	1472	9.80	342	13	ND	24	385	1	31	4	28	.07	.390	85	10	.21	136	.02	3	1.27	.10	.37	1	33
AU 0+50N 0+50W	25	103	143	126	.1	17	15	758	9.31	164	15	ND	20	418	1	13	8	28	.08	.416	55	9	.48	111	.02	2	.96	.14	.47	1	13
AU 0+50N 0+25W	14	134	132	143	.3	26	28	1594	10.36	158	13	ND	17	400	1	3	13	64	.18	.495	46	31	1.07	67	.04	2	1.60	.20	.79	1	25
AU 0+50N 0+00W	21	84	127	103	.2	10	9	478	10.82	165	7	ND	19	702	1	9	12	47	.09	.524	50	16	.91	54	.02	3	1.18	.20	.93	1	7
AU 0+50N 0+25E	24	166	87	243	.2	95	57	4613	11.08	244	14	ND	19	383	1	2	3	82	.39	.514	63	93	1.65	268	.04	2	1.86	.09	.64	1	49
AU 0+50N 0+50E	22	88	146	77	.3	15	14	889	7.62	130	5	ND	12	623	1	6	11	25	.06	.340	39	13	.33	84	.02	3	.88	.13	.51	1	30
AU 0+50N 0+75E	27	140	93	241	.1	64	66	6936	6.95	66	10	ND	8	315	1	6	3	49	.25	.327	69	16	.46	334	.03	9	1.91	.07	.37	1	14
AU 0+50N 1+00E	13	134	86	177	.2	31	42	4420	7.03	53	11	ND	14	220	1	2	2	57	.42	.311	82	17	.62	633	.05	6	1.60	.06	.36	1	25
AU 0+50N 1+25E	13	157	108	182	.1	24	40	4155	6.15	36	9	ND	26	147	1	5	2	93	.70	.306	96	24	1.20	577	.14	7	1.73	.06	.65	1	38
AU 0+50N 1+50E	9	199	129	221	.5	29	50	5006	6.32	28	8	ND	22	177	1	8	2	92	.56	.191	112	18	.94	1695	.09	12	1.86	.05	.48	1	35
AU 0+50N 1+75E	23	179	124	215	.2	30	58	4918	6.61	39	12	ND	26	125	1	2	2	114	.56	.228	89	26	1.63	921	.16	8	2.41	.06	.72	1	185
AU 0+50N 2+00E	18	178	124	246	.2	29	56	5045	8.01	35	9	ND	33	115	1	5	2	137	.47	.203	97	26	1.76	783	.18	6	2.62	.06	.77	1	800
AU 0+50N 2+25E	20	191	168	282	.5	37	94	9023	8.66	94	15	ND	38	181	1	25	2	97	.38	.266	121	17	.99	867	.09	2	2.07	.06	.40	1	160
AU 0+50N 2+50E	27	191	312	363	.9	44	89	8070	10.43	289	14	ND	38	155	1	87	2	81	.44	.293	140	13	.68	642	.07	2	1.68	.06	.28	1	660
AU 0+50N 2+75E	20	136	195	202	.4	22	33	3177	11.18	177	13	ND	23	426	1	31	4	44	.13	.390	64	8	.37	65	.03	2	1.23	.26	.56	1	330
AU 0+50N 3+00E	18	130	159	165	.4	20	31	2857	9.25	103	15	ND	21	393	1	17	4	44	.17	.359	72	12	.49	102	.04	2	1.25	.15	.58	1	130
AU 0+50N 3+25E	18	133	159	175	.3	22	33	3078	9.31	115	15	ND	22	370	1	29	2	46	.18	.361	74	11	.49	101	.04	2	1.27	.14	.54	1	200
AU 0+50N 3+50E	17	135	168	203	.3	22	37	3586	8.66	139	11	ND	22	307	1	29	2	54	.24	.333	81	15	.52	229	.04	2	1.36	.11	.44	1	205
AU 0+50N 3+75E	15	180	127	206	.2	25	39	3603	8.93	137	11	ND	16	236	1	25	2	59	.20	.359	96	15	.52	335	.04	3	1.48	.07	.31	1	125
AU 0+50N 4+00E	16	174	127	149	.3	43	100	6492	7.96	60	10	ND	8	365	1	2	2	48	.11	.297	66	23	.49	273	.01	3	2.23	.07	.41	1	23
AU 0+50N 4+25E	11	73	81	111	.1	13	12	646	6.08	56	7	ND	5	312	1	4	2	49	.06	.285	57	16	.25	320	.01	10	.95	.06	.34	1	5
AU 0+50N 4+50E	10	62	66	100	.1	14	9	594	6.50	50	9	ND	5	236	1	9	2	61	.03	.285	59	22	.37	305	.01	11	1.66	.05	.24	1	6
AU 0+50N 4+75E	6	27	56	49	.1	5	3	101	3.01	27	8	ND	6	178	1	5	3	61	.01	.119	68	20	.14	239	.01	5	1.35	.03	.17	1	4
AU 0+50N 5+00E	3	12	28	42	.1	4	2	52	1.04	11	5	ND	5	85	1	2	2	43	.03	.072	82	16	.13	118	.01	2	1.04	.02	.13	1	12
AU 0+50N 5+25E	49	152	69	199	1.9	44	32	3646	10.65	233	8	ND	7	133	1	9	2	66	.32	.442	68	31	.58	277	.02	2	.92	.05	.28	1	280
AU 0+50N 5+50E	1	27	15	104	.1	121	22	810	4.95	10	5	ND	5	38	1	2	2	148	.20	.075	19	259	3.78	122	.32	25	2.65	.05	.31	1	3
AU 0+50N 5+75E	4	32	30	100	.1	14	7	167	2.98	40	5	ND	4	52	1	14	2	60	.02	.086	61	18	.12	94	.01	5	1.05	.02	.11	1	22
AU 0+50N 6+00E	48	52	72	100	1.4	12	8	194	5.15	108	5	ND	5	233	1	18	2	64	.02	.142	74	10	.05	251	.01	17	.40	.04	.20	1	255
AU 0+25N 0+00W	19	131	110	138	.2	17	14	785	12.64	167	13	ND	22	614	1	6	6	60	.14	.630	79	22	1.02	62	.03	2	1.43	.19	.93	1	10
AU 0+50S 4+50W	3	56	12	105	.3	66	13	596	4.05	17	5	ND	2	24	1	2	2	97	.14	.091	8	81	1.16	89	.22	12	1.87	.03	.08	1	2
STD C/AU-0.5	20	62	40	143	7.1	73	30	1153	3.98	43	16	7	37	51	19	15	19	72	.48	.107	39	62	.88	181	.09	41	1.72	.10	.14	12	495

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 0+50S 4+25W	3	73	11	111	.1	67	25	1180	6.39	35	5	ND	2	19	1	2	2	216	.12	.099	2	87	2.20	80	.25	3	2.80	.04	.17	1	6
AU 0+50S 4+00W	3	103	18	104	.2	378	38	927	5.92	67	5	ND	4	70	1	3	2	134	.39	.069	7	180	2.70	199	.23	7	2.47	.06	.17	1	24
AU 0+50S 3+75W	38	97	183	88	.8	77	8	196	13.94	615	9	ND	23	611	1	42	2	28	.03	.351	48	28	.17	42	.01	5	.60	.21	1.34	1	430
AU 0+50S 3+50W	46	98	197	58	1.0	22	5	232	13.49	652	7	ND	15	566	1	48	2	26	.02	.251	46	10	.04	43	.01	4	.76	.17	1.50	1	220
AU 0+50S 3+25W	26	118	180	76	.5	11	6	371	19.19	749	6	ND	22	828	1	40	2	26	.04	.503	61	4	.05	54	.01	5	.56	.31	1.82	1	350
AU 0+50S 3+00W	31	117	133	84	.6	12	5	243	14.47	631	16	ND	30	1019	1	101	2	27	.03	.506	78	9	.07	49	.01	7	1.03	.33	1.12	1	400
AU 0+50S 2+75W	39	83	111	43	.3	8	3	74	12.76	521	10	ND	28	780	1	83	2	24	.03	.355	59	7	.10	47	.01	2	.66	.27	1.06	1	125
AU 0+50S 2+50W	51	79	96	41	.4	8	3	85	10.84	460	10	ND	35	1027	1	57	2	23	.04	.363	69	12	.12	54	.01	6	1.18	.25	.85	1	240
AU 0+50S 2+25W	82	91	163	91	.6	14	6	205	16.46	438	7	ND	20	1074	1	40	2	33	.05	.646	58	10	.13	60	.03	2	.79	.46	.91	1	60
AU 0+50S 2+00W	68	92	211	117	.5	9	6	184	19.19	511	9	ND	19	1148	1	18	2	22	.04	.858	50	4	.08	53	.01	6	.53	.54	1.23	1	65
AU 0+50S 1+75W	327	56	345	35	1.3	3	3	100	21.93	433	5	ND	15	999	1	26	7	20	.02	.919	34	1	.05	47	.01	7	.23	.62	2.13	1	80
AU 0+50S 1+50W	197	124	422	126	1.1	15	7	300	21.64	309	11	ND	24	1102	1	20	2	26	.05	.980	80	8	.09	59	.01	4	.64	.44	1.16	1	60
AU 0+50S 1+25W	296	139	236	232	1.2	31	15	750	13.32	322	14	ND	26	653	1	33	2	29	.04	.543	131	5	.10	73	.01	3	.93	.14	.59	1	90
AU 0+50S 1+00W	144	256	940	408	1.5	29	30	5111	12.58	221	25	ND	53	419	1	19	4	33	.04	.273	170	4	.13	212	.01	5	1.38	.09	.28	1	95
AU 0+50S 0+75W	132	331	426	322	1.5	37	34	6825	8.84	195	19	ND	36	143	1	69	2	31	.04	.227	152	12	.14	269	.02	2	1.44	.05	.12	1	105
AU 0+50S 0+50W	29	86	106	134	.3	13	7	406	9.06	169	11	ND	7	382	1	23	2	24	.01	.361	71	4	.11	159	.01	2	.73	.07	.29	1	10
AU 0+50S 0+25W	35	97	120	136	.2	20	12	1424	8.61	138	12	ND	7	423	1	11	2	40	.03	.399	81	15	.21	121	.01	2	1.21	.10	.39	1	6
AU 1+00S 4+50W	3	42	19	78	.1	40	11	686	5.41	26	5	ND	2	33	1	10	2	177	.08	.068	4	73	1.00	121	.24	9	1.99	.03	.06	1	4
AU 1+00S 4+25W	3	50	17	80	.1	53	14	829	6.42	28	5	ND	2	29	1	2	2	166	.18	.066	2	84	1.36	80	.33	5	2.23	.04	.06	1	2
AU 1+00S 4+00W	3	52	17	89	.1	273	25	983	6.21	40	5	ND	2	40	1	2	2	167	.19	.067	6	288	2.52	100	.30	8	2.71	.05	.06	1	7
AU 1+00S 3+75W	7	125	34	235	.2	360	32	1483	6.49	296	7	ND	14	245	1	18	2	40	.10	.140	51	102	.42	246	.01	10	.86	.07	.23	1	60
AU 1+00S 3+50W	7	136	53	254	.7	400	35	1456	7.77	407	10	ND	14	449	1	17	2	45	.60	.130	44	96	.85	180	.01	3	.87	.10	.28	1	100
AU 1+00S 3+25W	49	189	140	164	.4	53	15	994	15.44	553	7	ND	26	816	1	34	2	39	.04	.471	63	13	.09	45	.01	2	1.14	.25	1.00	1	190
AU 1+00S 3+00W	32	160	216	82	.7	22	6	546	11.36	669	13	ND	15	950	1	128	2	30	.04	.448	92	14	.12	65	.01	6	1.50	.19	.70	1	195
AU 1+00S 2+75W	37	76	186	33	.2	7	2	66	15.56	685	12	ND	36	1543	1	133	2	33	.06	.540	84	11	.10	61	.02	8	.74	.31	1.60	1	280
AU 1+00S 2+50W	34	77	113	57	.4	30	5	208	12.14	394	6	ND	12	616	1	51	2	45	.05	.409	61	33	.30	54	.03	9	1.10	.20	.95	1	110
AU 1+00S 2+25W	37	91	85	43	.3	19	4	144	11.14	480	9	ND	24	840	1	38	2	27	.04	.383	56	20	.17	54	.02	7	1.29	.24	.81	1	100
AU 1+00S 2+00W	89	81	157	45	.5	19	4	132	15.13	491	8	ND	22	813	1	71	2	33	.02	.321	49	22	.18	49	.04	4	.70	.30	1.09	1	80
AU 1+00S 1+75W	144	72	364	54	1.3	7	3	124	16.92	451	5	ND	15	1166	1	44	3	15	.02	.770	80	4	.06	51	.01	4	.32	.51	1.28	1	225
AU 1+00S 1+50W	189	207	280	210	1.1	36	15	1111	13.49	304	13	ND	30	927	1	24	2	41	.08	.658	140	12	.15	70	.02	6	1.50	.17	.61	1	110
AU 1+00S 1+25W	357	163	408	251	.8	32	20	2547	10.34	173	15	ND	24	423	1	16	2	38	.05	.322	178	15	.17	129	.02	7	1.48	.11	.31	1	40
AU 1+00S 0+75W	92	99	434	317	2.6	34	17	2788	6.71	148	16	ND	28	174	1	34	4	46	.25	.126	151	25	.34	663	.02	10	1.71	.05	.11	1	245
AU 1+00S 0+50W	139	166	256	204	1.2	28	27	2245	10.88	371	19	ND	32	352	1	56	2	34	.05	.415	105	10	.19	139	.01	2	1.51	.10	.30	2	160
AU 1+00S 0+25W	24	82	75	120	.4	24	9	586	8.91	141	7	ND	7	321	1	11	2	41	.04	.454	63	34	.54	182	.02	2	2.42	.08	.37	1	9
AU 8+50S 3+50W	12	177	93	223	.9	152	42	2803	7.57	162	6	ND	13	124	1	7	2	70	.46	.230	63	64	1.34	218	.04	8	1.57	.04	.28	1	140
AU 8+50S 3+25W	6	106	61	162	.5	135	27	1789	5.42	108	6	ND	14	121	1	8	2	53	.38	.153	46	63	1.45	199	.05	15	1.44	.04	.28	1	65
STD C/AU-0.5	21	61	38	141	7.3	73	30	1140	3.96	35	15	7	37	51	18	15	17	71	.48	.105	38	61	.88	189	.09	42	1.72	.10	.14	12	510

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 8+50S 3+00W	7	137	58	174	.6	365	44	1858	5.97	106	5	ND	9	60	1	2	2	73	.17	.099	23	303	3.00	217	.01	5	2.14	.05	.13	1	24
AU 8+50S 2+75W	13	165	62	170	.8	362	53	2313	7.31	124	5	ND	8	90	1	2	2	90	.25	.151	35	323	3.35	365	.02	3	2.46	.05	.12	1	34
AU 8+50S 2+50W	11	148	44	145	.5	231	44	2066	5.70	87	5	ND	2	124	1	2	2	87	.59	.209	20	246	2.51	284	.02	3	2.02	.05	.11	1	15
AU 8+50S 2+25W	39	130	88	112	1.8	226	37	1660	7.10	144	6	ND	14	83	1	25	6	49	.04	.174	33	190	2.01	335	.01	4	1.63	.05	.16	1	60
AU 8+50S 2+00W	41	119	112	115	1.9	219	36	1694	6.74	130	5	ND	14	85	1	16	5	48	.04	.167	36	181	1.97	382	.01	4	1.60	.05	.16	1	38
AU 8+50S 1+75W	75	96	266	91	2.1	152	27	1308	6.92	139	5	ND	18	136	1	20	8	41	.02	.214	48	133	1.43	227	.01	4	1.30	.06	.22	1	50
AU 8+50S 1+50W	146	93	351	62	4.5	25	7	467	7.97	146	9	ND	7	298	1	27	15	25	.03	.351	70	26	.23	220	.01	2	.73	.07	.21	1	34
AU 8+50S 1+25W	182	139	389	63	3.7	26	12	822	8.94	175	10	ND	35	334	1	32	17	21	.01	.310	67	17	.17	105	.01	2	.51	.08	.23	1	35
AU 8+50S 1+00W	123	102	293	58	3.6	31	8	435	7.13	130	6	ND	29	243	1	25	11	21	.06	.271	70	29	.27	194	.01	4	.49	.06	.19	1	24
AU 8+50S 0+75W	142	84	336	64	4.0	41	5	171	6.80	127	6	ND	9	222	1	23	15	29	.03	.249	77	51	.43	336	.01	6	.85	.06	.17	1	28
AU 8+50S 0+50W	59	47	82	92	.9	56	19	6173	4.51	69	5	ND	3	86	1	2	3	62	.09	.276	33	88	.57	582	.01	6	1.13	.04	.16	1	21
AU 8+50S 0+25W	17	31	20	58	.4	18	7	203	2.20	74	6	ND	4	42	1	5	3	75	.05	.095	51	37	.21	128	.02	2	.99	.02	.12	1	50
AU 8+50S 0+00W	3	17	25	58	.7	12	5	98	2.75	21	5	ND	3	33	1	3	2	109	.06	.062	25	43	.76	188	.13	2	1.82	.03	.14	1	17
AU 8+50S 0+25E	39	104	38	136	.2	23	20	1298	6.36	49	5	ND	8	118	1	5	2	96	.31	.200	61	46	.58	389	.07	10	1.71	.04	.36	1	31
AU 8+50S 0+50E	14	90	31	155	.2	29	12	521	4.99	63	24	ND	7	435	1	7	2	117	.80	.090	41	58	1.38	580	.17	6	1.90	.06	.22	1	26
AU 8+50S 0+75E	41	81	50	73	.5	27	10	186	5.18	104	5	ND	6	59	1	25	5	122	.04	.077	51	57	.54	268	.06	7	1.59	.03	.11	1	65
AU 8+50S 1+00E	18	58	37	109	.1	30	13	393	5.26	97	5	ND	6	69	1	9	2	133	.14	.091	44	68	1.23	246	.09	7	1.89	.04	.19	1	16
AU 8+50S 1+25E	30	153	50	141	.2	37	17	599	6.42	134	5	ND	13	108	1	49	2	111	.13	.110	65	64	1.17	261	.08	6	1.76	.04	.19	1	75
AU 8+50S 1+50E	67	154	54	91	.1	24	10	344	4.49	172	5	ND	7	110	1	43	4	98	.18	.063	91	32	.22	235	.05	6	.84	.02	.11	1	50
AU 8+50S 1+75E	77	299	120	158	1.6	48	21	2102	7.11	179	5	ND	7	94	1	79	7	68	.06	.140	48	75	.63	128	.02	7	1.59	.03	.10	1	165
AU 8+50S 2+00E	52	302	113	261	6.0	122	37	6461	4.89	130	5	ND	5	53	1	36	2	93	.08	.111	49	89	.89	171	.07	8	2.06	.03	.08	2	175
AU 8+50S 2+25E	43	154	60	115	.4	34	11	488	6.16	116	5	ND	7	53	1	31	2	106	.13	.143	45	70	1.07	136	.08	8	1.89	.04	.13	1	70
AU 8+50S 2+50E	84	533	76	103	.7	41	16	622	5.26	224	5	ND	16	159	1	72	5	52	.15	.124	72	44	.41	1320	.03	8	.77	.03	.12	1	185
AU 8+50S 2+75E	41	65	44	75	.2	30	8	375	4.50	148	5	ND	5	56	1	30	2	78	.03	.111	35	42	.25	156	.06	6	.75	.02	.11	1	55
AU 8+50S 3+00E	2	10	9	23	.1	5	2	31	.84	16	5	ND	4	24	1	3	3	49	.01	.034	50	19	.14	82	.05	2	.74	.01	.06	5	17
AU 8+50S 3+25E	52	264	61	140	.8	62	13	817	4.97	140	5	ND	7	75	1	43	3	58	.10	.113	55	57	.40	239	.03	7	1.16	.02	.13	1	110
AU 8+50S 3+50E	43	305	77	243	.8	206	40	3363	5.22	146	5	ND	6	68	1	24	2	97	.07	.093	49	265	1.59	368	.04	10	1.68	.03	.10	1	65
AU 8+50S 3+75E	69	227	93	61	1.6	18	5	181	4.84	239	7	ND	8	107	1	73	6	33	.03	.101	53	41	.18	404	.01	10	1.16	.02	.14	1	140
AU 8+50S 4+00E	57	278	132	105	.9	47	9	376	7.53	226	5	ND	7	79	1	41	4	42	.12	.134	45	79	.41	204	.01	5	1.68	.03	.08	1	165
AU 8+50S 4+25E	115	217	64	80	1.2	34	8	448	6.16	230	5	ND	4	61	1	49	4	57	.04	.149	38	60	.32	144	.01	7	1.02	.02	.09	1	75
AU 8+50S 4+50E	57	154	76	122	.2	57	11	946	5.14	144	6	ND	5	74	1	24	5	82	.06	.109	70	82	.46	167	.02	7	1.14	.02	.11	1	60
AU 8+50S 4+75E	46	167	62	106	.1	28	9	664	4.67	136	5	ND	6	130	1	28	5	62	.11	.095	65	44	.38	218	.01	8	1.11	.02	.14	1	55
AU 8+50S 5+00E	56	243	66	64	.8	25	6	232	4.12	155	7	ND	5	71	1	53	4	47	.02	.109	48	45	.26	202	.01	5	1.01	.02	.12	1	95
AU 8+50S 5+25E	34	151	51	88	.8	59	10	362	5.80	163	7	ND	5	65	1	26	4	80	.06	.104	49	98	.60	151	.03	9	1.65	.03	.10	1	85
AU 8+50S 5+50E	18	40	25	40	.5	22	4	102	1.78	61	6	ND	4	47	1	13	2	47	.03	.049	51	45	.28	113	.02	2	.84	.01	.07	1	65
AU 8+50S 5+75E	30	81	42	114	1.1	59	8	274	3.57	96	9	ND	6	65	1	24	2	78	.10	.064	59	104	.77	263	.04	5	1.43	.03	.09	1	55
STD C/AU-0.5	21	62	42	144	7.0	73	30	1162	3.96	40	17	7	37	52	19	16	21	72	.48	.106	39	62	.88	184	.09	37	1.72	.10	.14	13	485

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 8+50S 4+00E	16	93	86	661	.9	117	12	842	4.25	68	10	ND	5	108	1	15	5	69	.23	.124	79	190	1.34	244	.05	8	1.67	.03	.11	1	85
AU 9+00S 4+50W	3	46	25	123	.1	24	14	2654	3.78	43	5	ND	3	44	1	7	2	83	.13	.151	36	39	.43	279	.04	6	1.01	.03	.22	1	14
AU 9+00S 4+25W	5	93	43	175	.1	52	28	3633	6.80	143	5	ND	8	99	1	5	2	99	.29	.306	60	55	.79	252	.06	6	2.07	.04	.19	1	210
AU 9+00S 4+00W	6	41	32	88	.1	26	14	1776	3.82	50	5	ND	3	32	1	3	3	69	.07	.122	47	31	.23	188	.01	5	1.09	.02	.17	1	8
AU 9+00S 3+75W	7	69	44	123	.1	49	18	1212	5.81	92	5	ND	4	35	1	7	2	68	.05	.181	40	40	.32	157	.01	9	1.35	.02	.12	1	14
AU 9+00S 3+50W	6	74	18	121	.1	143	20	913	6.48	44	5	ND	2	25	1	2	2	118	.06	.092	13	216	1.79	127	.02	7	2.59	.03	.10	1	5
AU 9+00S 3+00W	221	45	210	53	3.3	39	12	713	11.28	286	9	ND	20	338	1	23	20	18	.05	.483	38	31	.28	58	.01	2	.42	.11	.48	1	55
AU 9+00S 2+75W	137	73	805	70	3.0	41	9	603	12.13	259	10	ND	25	417	1	26	17	23	.04	.519	46	36	.33	86	.01	2	.47	.08	.32	1	33
AU 9+00S 2+50W	181	447	377	79	6.0	31	45	3039	10.50	274	10	ND	69	301	1	174	23	22	.01	.215	39	4	.08	131	.01	2	.78	.06	.16	1	47
AU 9+00S 2+25W	363	605	170	60	2.4	31	11	436	13.86	206	25	ND	46	491	1	42	23	35	.04	.421	82	18	.29	181	.01	2	.47	.06	.27	1	37
AU 9+00S 2+00W	357	436	196	65	1.7	47	39	1959	11.84	137	17	ND	41	192	1	15	15	41	.12	.314	140	25	.34	407	.01	2	.96	.04	.18	1	215
AU 9+00S 1+75W	156	129	152	58	1.7	23	17	875	7.31	110	9	ND	44	154	1	20	18	18	.04	.215	57	8	.08	217	.01	7	.39	.04	.10	1	21
AU 9+00S 1+50W	179	130	179	60	2.2	27	17	946	8.50	136	9	ND	43	204	1	24	23	22	.02	.242	55	11	.11	179	.01	2	.48	.05	.12	1	17
AU 9+00S 1+25W	167	124	200	68	3.0	28	9	381	9.06	140	12	ND	28	200	1	19	20	25	.02	.271	56	17	.16	227	.01	2	.51	.05	.13	1	19
AU 9+00S 0+75W	104	56	77	74	2.3	13	3	105	4.43	55	7	ND	3	421	1	9	7	25	.08	.208	50	16	.14	123	.01	8	.44	.05	.23	1	10
AU 9+00S 0+50W	239	460	90	71	4.9	30	14	746	7.48	183	11	ND	11	144	1	30	7	62	.21	.262	78	45	.45	231	.02	5	1.42	.04	.17	1	175
AU 9+00S 0+25W	274	128	66	44	2.3	12	4	239	7.68	150	6	ND	8	57	1	106	5	50	.03	.425	133	17	.20	141	.01	7	.81	.03	.10	2	85
AU 9+00S 0+00W	47	34	61	55	1.7	19	5	366	3.42	42	5	ND	4	65	1	8	7	63	.05	.207	65	51	.50	192	.01	5	1.26	.02	.11	1	14
AU 9+00S 0+25E	42	89	45	73	.1	34	6	296	3.27	110	5	ND	3	130	1	16	3	64	.04	.096	56	40	.45	127	.02	5	.94	.02	.16	1	15
AU 9+00S 0+50E	84	116	74	100	.9	44	10	651	6.22	130	5	ND	5	65	1	31	6	74	.04	.197	58	56	.68	139	.02	9	1.39	.03	.13	1	65
AU 9+00S 0+75E	24	41	38	68	.1	17	7	484	3.69	64	5	ND	3	58	1	15	4	78	.09	.141	48	42	.45	128	.06	6	1.30	.02	.13	1	30
AU 9+00S 1+00E	68	104	49	98	1.6	21	10	293	5.22	49	5	ND	6	85	1	17	6	95	.19	.214	47	55	.99	160	.11	8	1.91	.04	.08	1	30
AU 9+00S 1+25E	39	2571	42	268	.4	59	20	951	6.21	32	29	ND	10	430	1	7	4	129	.52	.211	626	74	2.26	180	.27	7	2.84	.06	.69	1	39
AU 9+00S 1+50E	81	142	51	83	.1	29	8	264	5.04	144	5	ND	5	62	1	36	7	110	.03	.086	66	42	.25	144	.06	11	1.00	.02	.10	1	35
AU 9+00S 1+75E	110	1731	57	115	.4	58	12	990	5.28	75	32	ND	3	246	1	23	9	97	.11	.078	591	99	.72	196	.06	10	1.84	.03	.12	1	31
AU 9+00S 2+00E	52	208	149	85	1.4	48	10	419	5.80	104	6	ND	6	91	1	50	6	47	.08	.128	56	72	.53	593	.02	13	1.17	.03	.11	2	105
AU 9+00S 2+25E	101	646	194	132	1.7	107	28	1350	7.24	278	15	ND	32	308	1	80	8	44	.25	.141	107	57	.41	687	.02	9	1.17	.04	.12	1	210
AU 9+00S 2+50E	100	231	124	87	.5	38	14	870	5.70	111	5	ND	8	87	1	64	13	57	.05	.126	81	55	.44	131	.02	11	1.02	.02	.12	1	150
AU 9+00S 2+75E	52	306	66	171	.4	98	19	854	5.45	88	10	ND	14	401	1	39	5	97	.45	.148	79	89	1.24	502	.13	14	1.53	.05	.29	1	90
AU 9+00S 3+00E	38	282	70	259	.5	184	22	1018	5.38	70	13	ND	11	405	1	28	2	105	.62	.201	72	167	1.99	524	.12	10	1.82	.05	.29	1	65
AU 9+00S 3+25E	25	717	78	751	.6	216	21	984	5.29	75	11	ND	9	555	1	29	5	81	.74	.206	86	142	1.54	277	.07	11	1.86	.05	.15	1	70
AU 9+00S 3+50E	29	427	113	246	.8	288	32	1407	7.23	189	11	ND	11	217	1	55	5	77	.41	.110	52	208	1.75	678	.05	8	1.64	.04	.16	1	75
AU 9+00S 3+75E	16	281	67	236	.8	212	20	617	5.05	116	12	ND	6	400	1	35	4	71	.69	.115	42	194	1.66	461	.04	12	1.53	.05	.11	1	60
AU 9+00S 4+00E	13	200	71	184	.4	226	30	970	5.32	116	5	ND	6	114	1	36	2	69	.26	.099	34	208	1.61	256	.03	11	1.67	.04	.13	1	50
AU 9+00S 4+25E	13	49	31	60	.4	57	6	174	4.29	140	5	ND	2	24	1	23	4	101	.02	.055	27	112	.54	104	.03	9	1.37	.02	.06	1	28
AU 9+00S 4+50E	16	160	49	146	.7	182	19	893	5.64	96	5	ND	4	39	1	39	3	89	.06	.107	33	230	1.63	178	.03	14	1.94	.03	.14	1	37
STD C/AU-0.5	21	62	42	143	7.0	73	30	1157	3.96	36	17	8	37	52	19	16	21	72	.48	.107	39	62	.88	185	.09	40	1.72	.10	.15	12	500

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 9+00S 4+75E	14	149	61	77	1.2	99	11	306	4.45	87	5	ND	3	39	1	34	5	71	.04	.102	36	130	.85	103	.01	3	1.31	.02	.12	1	85
AU 9+00S 5+00E	10	67	30	53	1.0	67	8	229	3.68	170	5	ND	2	23	1	97	8	87	.06	.103	27	122	.70	108	.04	2	1.23	.07	.08	1	165
AU 9+00S 5+25E	12	133	30	138	1.5	489	80	2801	7.53	1222	5	ND	2	77	1	29	2	44	.22	.102	23	210	8.82	482	.01	3	.79	.05	.06	1	75
AU 9+00S 5+50E	20	217	57	127	1.6	139	19	704	5.18	112	5	ND	5	173	1	30	2	83	.53	.098	37	142	1.19	494	.06	5	1.93	.04	.10	1	90
AU 9+00S 5+75E	26	291	73	111	.8	184	18	241	5.15	105	5	ND	11	143	1	38	2	69	.40	.099	47	169	1.53	502	.05	3	1.51	.04	.13	1	175
AU 9+00S 6+00E	30	267	66	171	.9	231	32	3628	5.71	140	8	ND	7	177	1	31	2	71	.46	.130	51	151	1.38	642	.03	4	1.40	.04	.12	1	95
AU 9+50S 4+50W	1	97	43	211	.1	23	24	2568	6.72	15	5	ND	11	208	1	2	2	233	1.09	.356	83	55	3.11	672	.20	3	2.75	.07	.84	1	2
AU 9+50S 4+25W	1	88	33	126	.1	31	25	1877	5.64	31	5	ND	12	103	1	2	2	107	.48	.270	63	45	1.30	290	.16	3	1.98	.05	.49	1	16
AU 9+50S 4+00W	2	100	57	189	.1	34	34	5277	7.88	108	5	ND	7	72	1	14	2	81	.12	.322	64	28	.38	284	.02	2	1.60	.03	.16	1	215
AU 9+50S 3+75W	5	110	90	211	.1	32	41	7058	8.71	211	5	ND	8	50	1	20	2	120	.09	.313	62	34	.77	241	.03	2	2.24	.04	.23	1	85
AU 9+50S 3+50W	5	98	52	151	.1	89	35	3191	6.62	75	5	ND	6	47	1	8	2	76	.09	.232	46	79	.89	196	.03	3	1.97	.03	.20	1	65
AU 9+50S 3+25W	6	169	40	166	.3	218	53	3500	7.85	113	5	ND	4	34	1	12	2	87	.12	.232	27	159	2.30	106	.03	2	2.46	.04	.18	1	50
AU 9+50S 3+00W	3	68	20	122	.9	166	25	2378	5.90	79	5	ND	2	21	1	9	2	112	.03	.138	18	243	2.52	143	.03	5	2.65	.03	.14	1	8
AU 9+50S 2+75W	15	44	61	88	.6	42	10	1352	3.99	60	5	ND	2	57	1	8	3	58	.07	.206	36	61	.52	193	.01	4	1.05	.03	.13	1	22
AU 9+50S 2+50W	20	51	87	86	1.3	50	13	1327	5.55	78	5	ND	3	51	1	7	4	80	.06	.202	37	73	.68	185	.04	3	1.53	.03	.11	1	55
AU 9+50S 2+25W	172	101	143	52	2.8	22	6	257	7.00	102	5	ND	5	214	1	36	10	76	.04	.185	43	31	.16	385	.02	3	.85	.04	.16	1	10
AU 9+50S 2+00W	143	231	340	71	5.1	16	19	1719	13.80	132	11	ND	54	190	1	64	57	48	.06	.270	87	9	.10	442	.01	2	.71	.04	.08	1	60
AU 9+50S 1+75W	192	192	300	63	3.7	26	14	909	14.09	129	15	ND	46	318	1	44	38	50	.04	.289	85	19	.27	259	.01	2	.81	.06	.24	1	70
AU 9+50S 1+50W	168	174	271	65	3.1	21	11	661	12.76	126	17	ND	47	333	1	53	35	48	.03	.256	79	18	.24	263	.01	2	.64	.06	.24	1	60
AU 9+50S 1+25W	128	47	118	43	2.8	15	3	86	5.57	84	6	ND	6	248	1	17	25	40	.05	.228	90	27	.29	481	.01	5	.67	.03	.17	1	17
AU 9+50S 1+00W	127	101	155	67	3.2	22	8	322	7.20	77	6	ND	9	151	1	30	19	44	.11	.276	107	25	.42	420	.02	4	.81	.04	.19	1	75
AU 9+50S 0+75W	44	81	95	86	1.2	62	13	390	6.52	72	5	ND	7	81	1	13	8	77	.19	.210	58	90	.98	134	.04	4	2.09	.04	.13	1	28
AU 9+50S 0+50W	24	51	72	104	1.8	54	10	555	5.05	64	5	ND	4	57	1	14	6	83	.12	.180	44	107	.94	132	.04	5	1.86	.03	.13	1	20
AU 9+50S 0+25W	7	40	27	79	.6	20	9	1857	3.56	23	5	ND	4	38	1	5	2	92	.08	.161	49	54	.61	221	.04	4	1.46	.03	.29	1	11
AU 9+50S 0+00W	8	52	23	96	.4	45	12	516	4.61	57	5	ND	6	53	1	7	2	121	.15	.140	31	92	1.65	159	.20	4	1.94	.04	.34	1	55
AU 9+50S 0+25E	25	3181	54	304	.4	132	19	1594	6.16	63	20	ND	6	524	1	20	2	127	.52	.195	233	167	1.91	293	.13	5	2.42	.06	.30	1	13
AU 9+50S 0+50E	7	36	34	68	1.1	36	6	179	3.21	32	5	ND	3	39	1	3	2	103	.06	.077	33	79	.58	110	.11	4	1.29	.02	.11	1	5
AU 9+50S 0+75E	10	50	43	108	.1	48	13	486	6.86	61	5	ND	6	33	1	4	2	198	.03	.065	25	95	1.39	107	.28	3	2.06	.03	.11	1	3
AU 9+50S 1+00E	24	71	103	110	1.6	112	17	732	7.15	123	5	ND	4	40	1	11	2	111	.05	.087	28	172	1.04	155	.06	4	1.83	.03	.06	1	13
AU 9+50S 1+25E	18	66	103	125	.3	88	17	1160	9.56	144	5	ND	4	52	1	19	2	118	.05	.157	33	151	.97	187	.10	2	1.81	.04	.08	1	265
AU 9+50S 1+50E	174	137	638	158	2.1	97	21	1820	11.09	229	9	ND	12	648	1	104	523	89	.51	.206	110	44	.79	172	.01	2	.97	.05	.49	1	225
AU 9+50S 1+75E	31	8573	32	615	.7	340	18	2932	3.69	120	15	ND	2	1347	4	49	2	43	1.13	.220	126	121	.96	371	.02	5	2.23	.05	.10	1	75
AU 9+50S 2+00E	24	998	56	820	.3	295	19	737	5.00	98	10	ND	4	468	1	41	3	72	.48	.153	43	210	2.06	165	.04	5	1.94	.04	.12	1	55
AU 9+50S 2+25E	16	84	40	72	1.5	56	7	158	3.62	79	5	ND	2	46	1	19	5	71	.03	.097	38	113	.75	94	.02	3	1.46	.02	.08	1	125
AU 9+50S 2+50E	17	89	46	72	1.0	80	10	353	5.14	119	5	ND	3	39	1	34	5	64	.02	.118	30	121	.72	107	.02	5	1.39	.02	.09	1	65
AU 9+50S 2+75E	13	89	44	78	1.6	58	9	379	4.97	207	5	ND	3	33	1	26	3	99	.03	.127	33	91	.41	103	.04	6	1.27	.02	.08	1	75
STD C/AU 0.5	21	62	43	142	7.0	73	30	1149	3.97	41	17	8	36	51	19	15	20	71	.48	.106	39	63	.89	191	.09	37	1.72	.10	.15	12	495

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 9+50S 3+00E	13	104	50	83	1.5	83	10	249	4.56	97	8	ND	3	33	1	45	4	61	.04	.082	29	125	.79	141	.02	3	1.46	.03	.09	1	70
AU 9+50S 3+25E	24	269	60	199	2.0	179	25	4630	4.94	193	5	ND	3	574	1	59	3	68	1.52	.154	23	141	.80	791	.01	3	1.64	.06	.15	1	55
AU 9+50S 3+50E	17	134	57	171	1.6	124	18	861	5.15	172	11	ND	4	358	1	36	6	83	.96	.097	31	140	.93	528	.04	4	1.41	.05	.11	1	410
AU 9+50S 3+75E	15	291	53	209	2.1	275	24	1621	5.66	118	11	ND	4	227	1	49	3	80	.63	.154	40	257	1.84	404	.04	3	2.12	.05	.15	1	50
AU 9+50S 4+00E	14	123	48	132	.6	124	17	556	4.52	109	5	ND	4	182	1	34	3	75	.44	.089	32	159	1.05	490	.02	4	1.50	.04	.12	1	41
AU 9+50S 4+25E	11	103	47	80	.4	84	10	303	4.54	96	7	ND	4	36	1	36	5	86	.05	.063	27	134	.68	235	.02	4	1.50	.02	.08	1	25
AU 9+50S 4+50E	18	176	66	203	1.4	181	19	2626	5.19	131	6	ND	4	219	1	49	2	85	.52	.100	30	199	1.35	521	.03	3	1.73	.05	.16	1	36
AU 9+50S 4+75E	14	168	64	162	.1	169	22	1199	5.66	162	9	ND	4	44	1	53	3	95	.08	.104	37	210	1.34	294	.03	2	1.87	.03	.13	1	32
AU 9+50S 5+00E	9	170	45	150	.6	263	34	1265	5.39	89	6	ND	8	44	1	35	2	75	.14	.098	30	222	1.84	145	.04	5	2.07	.04	.16	1	65
AU 9+50S 5+25E	7	220	49	164	1.2	303	33	1294	5.59	113	5	ND	7	109	1	41	3	80	.36	.116	35	239	1.93	225	.05	2	1.95	.04	.17	1	85
AU 9+50S 5+50E	10	151	50	115	.4	169	15	221	4.65	104	5	ND	4	83	1	50	2	78	.22	.109	31	203	1.55	178	.04	6	1.63	.04	.12	1	65
AU 9+50S 5+75E	22	94	54	111	.2	125	11	402	5.55	214	5	ND	3	47	1	54	4	101	.10	.058	26	201	1.19	141	.03	3	1.68	.03	.09	2	80
AU 9+50S 6+00E	14	176	59	188	2.0	243	23	2674	5.37	300	5	ND	3	551	1	52	2	78	1.32	.102	30	206	1.63	456	.03	6	1.78	.06	.13	1	60
AU 10+00S 4+50W	1	34	19	99	.2	18	10	748	3.06	7	5	ND	3	59	1	3	2	83	.24	.187	32	46	.90	141	.08	5	1.38	.04	.26	1	3
AU 10+00S 4+25W	1	64	26	121	.3	23	20	1590	4.69	13	5	ND	6	87	1	4	2	116	.39	.223	45	46	1.57	187	.13	5	1.93	.05	.48	1	9
AU 10+00S 4+00W	2	73	28	122	.4	37	23	1769	5.04	22	8	ND	6	87	1	8	2	107	.39	.226	49	55	1.33	159	.12	7	1.73	.05	.39	2	4
AU 10+00S 3+75W	2	80	23	118	.7	83	22	1486	6.11	145	5	ND	5	59	1	7	2	111	.25	.189	36	87	1.29	188	.12	5	1.84	.04	.23	1	12
AU 10+00S 3+50W	3	40	19	97	.6	68	15	854	5.83	91	5	ND	2	19	1	4	2	127	.04	.093	17	142	1.19	126	.07	4	1.82	.03	.17	1	2
AU 10+00S 3+25W	1	26	23	67	.3	38	9	355	4.11	28	5	ND	3	22	1	3	2	108	.04	.078	29	88	.76	107	.07	6	1.58	.02	.13	1	8
AU 10+00S 3+00W	3	67	24	148	.3	103	16	374	6.86	53	5	ND	4	39	1	7	2	127	.13	.119	21	158	1.97	97	.11	2	2.93	.04	.14	1	12
AU 10+00S 2+75W	2	37	26	101	.5	61	13	1175	4.63	63	5	ND	3	19	1	4	2	116	.03	.096	27	101	.87	124	.06	6	1.76	.03	.14	1	3
AU 10+00S 2+50W	4	29	66	90	1.5	35	11	440	4.43	25	5	ND	4	36	1	5	3	123	.11	.124	30	79	1.06	105	.12	7	1.71	.03	.18	1	3
AU 10+00S 2+25W	3	13	53	53	.4	20	4	111	2.10	11	5	ND	3	40	1	3	2	94	.06	.055	28	61	.62	138	.13	5	1.42	.02	.11	1	3
AU 10+00S 2+00W	26	27	31	34	1.0	15	3	83	2.16	25	5	ND	5	34	1	14	4	76	.05	.046	51	42	.28	190	.06	5	1.12	.02	.06	2	23
AU 10+00S 1+75W	116	136	343	75	2.9	32	10	344	12.07	80	7	ND	16	363	1	38	32	72	.05	.178	56	42	.39	218	.04	2	1.51	.07	.20	1	290
AU 10+00S 1+50W	74	29	62	45	2.6	14	3	75	3.78	41	6	ND	6	70	1	15	11	59	.02	.186	90	32	.22	102	.01	6	.93	.02	.07	1	17
AU 10+00S 1+25W	101	158	56	63	2.1	19	9	291	5.01	178	7	ND	6	78	1	203	6	117	.04	.232	77	35	.22	67	.03	6	.69	.02	.10	1	265
AU 10+00S 1+00W	193	425	98	88	1.7	36	17	1019	9.60	338	12	ND	11	133	1	298	4	139	.11	.330	89	61	.35	92	.02	2	.80	.03	.10	3	525
AU 10+00S 0+75W	177	177	60	45	2.2	15	6	572	5.20	268	8	ND	6	81	1	282	5	93	.06	.332	62	35	.18	79	.01	10	.52	.02	.09	12	510
AU 10+00S 0+50W	200	136	69	73	2.0	87	14	1020	6.41	183	6	ND	5	38	1	176	2	130	.02	.220	67	160	.76	95	.01	3	1.23	.03	.10	1	175
AU 10+00S 0+25W	12	98	23	99	.8	215	16	660	5.38	116	5	ND	2	10	1	23	2	105	.02	.087	14	356	2.06	98	.03	6	2.32	.03	.12	1	24
AU 10+50S 4+50W	1	94	20	130	.1	68	21	1105	5.37	29	5	ND	12	124	1	2	2	126	.60	.320	74	94	1.79	190	.17	5	2.19	.06	.49	1	9
AU 10+50S 4+25W	1	53	14	128	.2	64	19	1307	4.79	31	5	ND	3	50	1	7	2	117	.23	.187	34	92	1.40	188	.10	8	1.70	.04	.38	1	13
AU 10+50S 4+00W	1	58	21	132	.1	23	17	1278	4.97	13	5	ND	6	102	1	7	2	136	.36	.150	48	49	1.59	163	.17	6	2.04	.05	.43	1	2
AU 10+50S 3+75W	1	148	43	170	.2	57	28	1868	8.96	71	5	ND	6	68	1	10	2	115	.30	.342	78	59	.58	95	.02	2	1.61	.04	.11	1	10
AU 10+50S 3+50W	1	37	15	85	.1	60	14	1927	3.17	29	5	ND	1	24	1	4	2	87	.07	.069	15	89	.50	166	.05	7	1.16	.02	.10	1	4
STD C/AU-0.5	21	62	42	144	7.2	73	30	1165	3.98	39	17	8	38	52	19	17	20	73	.48	.108	38	63	.89	185	.09	39	1.72	.10	.15	12	505

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 10+50S 3+25W	3	49	15	110	.1	130	17	831	5.31	62	5	ND	2	22	1	14	2	129	.04	.107	20	222	1.24	141	.04	7	1.81	.03	.07	1	1
AU 10+50S 3+00W	2	42	10	99	.1	156	22	1793	5.11	39	5	ND	2	17	1	9	2	116	.07	.094	9	236	1.99	86	.08	7	1.99	.03	.06	1	8
AU 10+50S 2+75W	8	84	61	203	.1	148	21	718	5.10	138	5	ND	2	14	1	14	2	77	.03	.105	12	115	.68	141	.01	7	1.11	.02	.09	1	7
AU 10+50S 2+50W	4	54	34	114	.5	121	19	911	6.99	85	5	ND	3	20	1	15	2	134	.03	.146	17	168	1.38	149	.06	4	1.82	.03	.07	1	3
AU 10+50S 2+25W	23	52	294	338	1.5	93	15	1243	7.34	118	5	ND	4	41	1	22	4	92	.09	.192	40	149	.85	123	.02	3	1.73	.03	.05	1	22
AU 10+50S 2+00W	25	59	139	149	1.6	96	17	691	7.27	101	5	ND	4	36	1	17	5	110	.09	.125	29	138	.84	128	.05	3	1.57	.03	.07	1	8
AU 10+50S 1+75W	66	64	293	141	.7	65	21	1788	8.24	179	5	ND	3	58	1	32	11	51	.18	.259	42	47	.21	159	.01	2	.63	.03	.06	1	24
AU 10+50S 1+50W	21	55	403	243	.5	43	24	5092	6.54	114	5	ND	3	126	1	13	8	33	.28	.402	44	28	.13	338	.01	7	.35	.03	.09	1	26
AU 10+50S 1+25W	21	43	37	83	.5	111	12	504	5.74	130	5	ND	2	25	1	21	2	104	.02	.109	18	187	.77	109	.03	6	1.57	.02	.07	1	15
AU 10+50S 1+00W	64	43	17	79	.6	141	12	420	5.77	96	5	ND	2	13	1	12	2	121	.02	.076	13	292	1.70	108	.05	5	2.10	.03	.07	1	4
AU 10+50S 0+75W	151	99	84	60	3.7	23	8	266	6.56	143	5	ND	2	29	1	184	6	76	.03	.193	24	43	.17	119	.01	5	.65	.02	.03	2	120
AU 10+50S 0+50W	57	192	51	42	3.7	13	4	179	4.67	453	5	ND	4	31	1	327	5	70	.03	.269	56	37	.13	45	.01	8	.53	.02	.03	1	470
AU 10+50S 0+25W	54	177	152	84	2.5	65	8	356	9.33	121	7	ND	4	165	1	196	9	69	.03	.250	43	136	.64	327	.01	2	1.19	.04	.12	1	44
AU 10+50S 0+00W	20	301	70	91	5.6	9	2	173	2.22	40	9	ND	3	90	1	69	6	20	.06	.189	34	16	.08	210	.01	6	.45	.02	.07	1	150
AU 11+00S 4+50W	2	38	9	101	.3	120	16	1025	3.76	47	5	ND	1	15	1	7	2	87	.10	.102	5	317	1.64	98	.09	8	1.96	.03	.07	1	3
AU 11+00S 4+25W	1	35	2	85	.1	438	27	602	3.96	49	5	ND	1	8	1	5	2	94	.15	.047	2	735	4.76	25	.08	8	2.35	.04	.04	1	7
AU 11+00S 4+00W	5	43	8	102	.2	116	12	348	4.90	49	5	ND	1	22	1	7	2	91	.09	.065	3	184	1.16	83	.16	6	1.93	.03	.06	1	4
AU 11+00S 3+75W	3	50	14	102	.3	42	15	880	4.06	24	5	ND	3	104	1	7	2	103	.42	.113	40	66	1.31	196	.14	9	1.79	.04	.21	1	3
AU 11+00S 3+50W	3	91	24	108	.8	52	20	1558	4.66	31	6	ND	5	155	1	2	2	105	.60	.134	65	76	1.63	187	.13	7	2.07	.05	.28	1	6
AU 11+00S 3+25W	3	55	10	126	.1	214	20	807	6.99	64	5	ND	2	19	1	11	2	149	.05	.072	16	382	2.03	106	.07	3	2.68	.03	.07	1	1
AU 11+00S 3+00W	3	40	10	95	.1	119	12	465	4.64	60	5	ND	1	17	1	11	2	110	.06	.050	10	233	1.42	128	.12	9	1.83	.03	.06	1	3
AU 11+00S 2+75W	2	41	9	89	.4	29	7	529	3.73	17	5	ND	1	19	1	6	2	85	.09	.042	4	53	.76	116	.23	7	1.63	.03	.07	1	2
AU 11+00S 2+50W	9	59	20	159	.4	78	26	9770	4.20	49	5	ND	1	81	1	6	2	70	.36	.140	11	80	.76	338	.06	8	1.81	.04	.07	1	1
AU 11+00S 2+25W	19	25	104	77	.9	31	6	374	3.56	49	5	ND	3	17	1	4	4	79	.06	.091	56	79	.53	122	.04	8	1.60	.02	.03	1	8
AU 11+00S 2+00W	21	40	42	164	.7	104	16	3722	4.83	70	5	ND	1	20	1	14	2	108	.02	.101	17	213	1.30	145	.04	8	1.69	.03	.07	1	2
AU 11+00S 1+75W	17	23	37	79	.2	71	10	787	3.99	70	5	ND	2	19	1	7	3	122	.03	.063	18	192	.83	135	.10	8	1.48	.02	.05	1	3
AU 11+00S 1+50W	26	44	72	109	.3	165	16	806	6.90	111	5	ND	3	17	1	13	6	107	.05	.134	35	346	1.58	164	.07	5	1.74	.03	.04	1	16
AU 11+00S 1+25W	58	74	34	108	1.0	157	14	461	6.26	112	5	ND	2	16	1	17	2	107	.03	.080	18	273	1.46	114	.05	6	1.98	.03	.06	1	10
AU 11+00S 1+00W	85	77	35	88	.4	103	11	417	6.26	83	5	ND	2	19	1	15	2	149	.03	.074	21	240	.93	192	.08	5	2.24	.03	.04	1	7
AU 11+00S 0+75W	376	155	40	52	.9	37	9	233	5.83	130	7	ND	6	47	1	111	5	69	.04	.143	80	68	.28	158	.03	6	.84	.02	.05	1	160
AU 11+00S 0+50W	166	214	37	91	5.7	119	14	479	5.95	115	5	ND	4	25	1	115	2	96	.06	.085	33	267	1.48	94	.06	6	1.86	.03	.06	1	39
AU 11+00S 0+25W	27	63	88	73	3.4	54	10	280	4.93	95	5	ND	6	28	1	81	2	143	.08	.066	30	141	1.14	89	.22	5	1.83	.03	.09	1	130
STD C/AU 0.5	22	61	37	141	7.3	72	30	1143	3.97	39	19	7	36	51	19	15	21	71	.48	.105	38	62	.89	190	.09	38	1.72	.10	.13	12	490

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
GAB 6+00N 8+25E	5	67	20	85	.2	862	42	1082	8.56	57	5	ND	1	7	1	2	2	110	.09	.093	6	331	1.72	109	.21	2	1.59	.04	.03	1	5
GAB 6+00N 8+50E	6	172	33	127	.7	355	42	1381	6.68	86	5	ND	2	16	1	2	2	93	.27	.081	14	234	2.24	150	.16	9	1.91	.05	.06	1	30
GAB 6+00N 8+75E	4	129	22	144	.8	357	31	1613	4.66	65	5	ND	2	58	1	2	2	72	.42	.066	13	241	1.75	214	.11	10	1.89	.04	.06	1	15
GAB 6+00N 9+00E	3	128	18	124	.6	560	51	1300	5.64	98	5	ND	3	47	1	2	2	100	.52	.077	12	300	3.35	112	.22	10	1.95	.05	.07	1	16
GAB 6+00N 9+25E	6	50	10	103	.2	190	22	866	6.12	47	5	ND	1	9	1	2	2	93	.14	.044	7	289	2.01	104	.21	9	1.79	.04	.03	1	4
GAB 6+00N 9+50E	5	28	32	180	.1	128	13	333	3.75	89	5	ND	2	32	1	2	2	79	.11	.030	18	196	1.14	98	.09	8	1.52	.03	.04	1	23
GAB 6+00N 9+75E	8	99	72	449	.6	208	33	1369	4.50	152	10	ND	3	178	1	6	2	65	.40	.098	37	161	1.37	210	.05	11	2.40	.04	.08	1	70
GAB 6+00N 10+00E	5	79	33	289	.9	324	33	1137	5.24	124	10	ND	4	67	1	2	2	79	.29	.066	23	274	2.12	132	.11	8	2.29	.04	.05	1	33
GAB 6+00N 10+25E	4	64	34	243	1.0	235	24	996	4.41	127	10	ND	2	233	1	3	2	69	.73	.094	22	236	1.63	232	.04	10	1.87	.05	.05	1	65
GAB 6+00N 10+50E	4	38	20	95	.3	142	14	369	5.92	47	5	ND	2	35	1	2	2	134	.12	.047	11	234	1.29	155	.26	8	1.91	.04	.04	1	9
GAB 6+00N 10+75E	5	52	31	184	.5	218	20	452	5.47	78	6	ND	1	131	1	2	2	102	.33	.093	21	258	1.89	172	.07	9	2.13	.04	.07	1	23
GAB 6+00N 11+00E	5	72	34	130	.1	38	13	268	4.94	707	5	ND	4	30	1	65	3	42	.05	.173	49	19	.09	148	.01	9	.86	.02	.03	1	14
GAB 6+00N 11+25E	4	32	18	68	.2	112	10	316	8.13	46	5	ND	1	9	1	2	2	240	.06	.040	9	240	.97	107	.47	2	1.76	.04	.01	1	23
GAB 6+00N 11+50E	4	60	26	105	.4	270	19	570	4.67	140	6	ND	2	66	1	13	2	70	.21	.050	15	205	1.42	281	.04	9	1.65	.03	.04	1	24
GAB 6+00N 11+75E	4	144	16	91	.3	582	34	1164	8.83	605	5	ND	1	9	1	29	2	80	.02	.101	7	450	3.32	58	.01	2	2.52	.04	.02	1	10
GAB 6+00N 12+00E	10	145	18	133	.5	507	42	1532	10.60	1187	5	ND	1	8	1	111	2	54	.01	.064	12	242	1.12	77	.01	2	1.22	.03	.02	1	37
GAB 5+00N 8+25E	2	29	36	102	.1	59	6	372	3.19	223	5	ND	1	25	1	20	3	83	.05	.054	14	82	.25	91	.02	7	1.33	.01	.02	1	75
GAB 5+00N 8+50E	3	88	331	153	2.7	61	32	2261	9.71	2062	5	3	2	16	1	127	3	18	.08	.154	10	19	.07	85	.01	2	.53	.03	.03	1	3850
GAB 5+00N 8+75E	2	34	29	80	.2	105	11	671	4.15	93	5	ND	1	12	1	6	2	88	.07	.092	9	182	1.09	86	.11	8	1.54	.02	.03	1	21
GAB 5+00N 9+00E	3	32	31	108	.4	113	11	557	3.45	91	5	ND	1	15	1	9	2	94	.08	.048	11	196	1.21	162	.14	7	1.77	.03	.04	1	27
GAB 5+00N 9+25E	3	40	27	108	.2	128	11	657	4.46	96	5	ND	1	17	1	2	2	112	.07	.048	7	217	1.27	103	.20	7	1.77	.03	.03	1	295
GAB 5+00N 9+50E	8	124	62	697	.6	292	46	2574	4.25	170	13	ND	4	309	2	8	2	53	.74	.106	49	166	1.49	190	.05	11	2.30	.05	.08	1	80
GAB 5+00N 9+75E	4	35	50	92	.5	80	8	331	4.33	147	5	ND	1	35	1	12	3	88	.03	.074	21	139	.64	111	.04	8	1.30	.02	.06	1	34
GAB 5+00N 10+00E	1	58	26	92	.1	34	13	541	4.34	148	5	ND	4	62	1	13	2	119	.14	.141	30	81	.64	143	.10	10	1.16	.03	.18	1	80
GAB 5+00N 10+25E	3	59	35	120	.2	170	36	876	5.55	146	5	ND	6	103	1	4	2	96	.44	.121	34	248	2.16	250	.13	8	1.98	.05	.14	1	42
GAB 5+00N 10+50E	3	39	9	66	.1	61	8	220	3.89	16	5	ND	2	13	1	4	2	100	.09	.043	12	103	.77	194	.15	7	1.37	.02	.05	1	20
GAB 5+00N 10+75E	1	69	17	115	.1	43	20	1162	4.66	2	7	ND	9	192	1	2	2	106	.97	.245	84	70	2.32	524	.22	8	2.37	.06	.54	1	9
GAB 5+00N 11+00E	3	48	21	74	.6	62	9	295	4.99	327	5	ND	2	15	1	10	2	114	.06	.066	15	113	.65	151	.12	7	1.48	.02	.04	1	34
GAB 5+00N 11+25E	2	28	37	81	.5	77	9	411	4.69	102	5	ND	7	17	1	17	2	63	.05	.081	35	98	.60	108	.07	8	1.05	.02	.03	1	11
GAB 5+00N 11+50E	2	100	12	96	.8	264	20	720	8.18	239	5	ND	3	7	1	16	2	80	.02	.073	9	181	1.42	68	.03	2	1.89	.03	.02	1	16
GAB 5+00N 11+75E	4	36	13	86	.3	80	10	340	5.13	95	5	ND	1	9	1	4	3	104	.06	.073	9	134	.98	113	.17	7	1.62	.03	.03	1	11
GAB 5+00N 12+00E	3	63	16	100	.1	172	18	1382	5.09	41	5	ND	1	7	1	3	2	96	.09	.065	7	196	1.14	158	.13	8	2.00	.03	.03	2	7
GAB 3+50N 8+25E	1	11	20	44	.3	50	4	234	1.76	40	5	ND	1	12	1	3	3	75	.04	.022	10	224	.96	66	.17	3	1.40	.02	.03	1	6
GAB 3+50N 8+50E	3	34	30	111	.4	135	11	575	4.42	101	5	ND	1	12	1	4	2	110	.03	.041	8	264	1.39	100	.10	6	1.82	.03	.05	1	7
GAB 3+50N 8+75E	6	173	85	285	3.6	935	35	4532	6.33	221	7	ND	3	193	1	12	2	85	.99	.211	27	629	3.01	446	.03	11	2.58	.06	.08	2	14
GAB 3+50N 9+00E	5	96	39	503	1.1	307	34	1222	6.11	227	5	ND	3	103	2	3	2	95	.50	.099	17	262	1.95	134	.04	6	1.67	.05	.08	1	90
STD C/AU-0.5	21	62	39	139	7.0	74	30	1165	3.97	37	19	8	37	52	19	15	20	72	.48	.108	40	64	.89	182	.09	41	1.72	.10	.14	13	510

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
GAB 3+50N 9+25E	2	32	37	78	1.0	37	5	172	7.72	284	5	ND	1	21	1	7	3	95	.07	.086	5	72	.16	60	.01	2	1.32	.03	.02	1	15
GAB 3+50N 9+50E	5	36	54	526	.9	215	19	564	5.21	173	5	ND	3	83	2	7	2	89	.31	.069	22	242	1.40	175	.10	7	1.91	.04	.09	1	95
GAB 3+50N 9+75E	20	164	152	333	.6	160	79	7246	5.80	246	19	ND	5	107	2	11	2	42	.21	.136	57	49	.49	269	.03	7	2.13	.04	.11	1	60
GAB 3+50N 10+00E	4	43	26	99	.1	57	12	441	4.13	178	5	ND	4	33	1	12	2	99	.05	.073	35	77	.35	128	.06	9	.88	.02	.07	1	25
GAB 3+50N 10+25E	10	76	40	110	.2	44	20	269	5.52	139	5	ND	3	88	1	35	3	81	.02	.098	19	36	.17	242	.01	10	1.35	.02	.10	1	28
GAB 3+50N 10+50E	1	26	33	48	.3	9	5	91	3.08	77	5	ND	4	45	1	8	2	84	.03	.150	43	33	.28	191	.01	6	1.21	.02	.16	2	7
GAB 3+50N 10+75E	14	113	44	148	2.0	45	19	408	7.94	2246	5	8	5	21	1	51	2	126	.04	.143	46	30	.12	102	.03	2	.79	.02	.06	1	9050
GAB 3+50N 11+00E	5	31	63	80	.2	21	8	90	4.30	154	5	ND	3	229	1	14	4	42	.01	.303	33	31	.13	282	.01	7	1.02	.07	.28	1	30
GAB 3+50N 11+25E	2	25	36	108	.5	106	14	1001	6.34	57	5	ND	6	19	1	10	2	135	.07	.106	30	169	1.03	131	.18	6	2.01	.03	.08	1	7
GAB 3+50N 11+50E	4	35	45	108	.9	107	13	1034	6.41	330	5	ND	4	28	1	15	2	103	.09	.127	36	146	1.01	97	.10	3	1.75	.03	.05	1	17
GAB 3+50N 11+75E	3	28	28	87	.3	96	13	884	6.85	239	5	ND	6	14	1	11	2	176	.08	.085	15	211	1.19	93	.39	3	1.87	.04	.05	1	5
GAB 3+50N 12+00E	2	22	12	67	.2	99	11	414	6.06	39	5	ND	2	9	1	2	2	165	.10	.086	5	215	1.12	78	.45	3	1.59	.04	.05	1	6
GAB 3+00N 8+25E	3	18	51	68	.1	80	8	590	3.96	130	5	ND	2	30	1	10	3	91	.04	.068	22	209	.80	105	.07	5	1.33	.03	.06	1	60
GAB 3+00N 8+50E	1	12	395	59	.9	64	6	540	2.56	285	5	ND	2	25	1	16	2	83	.02	.069	22	121	.48	65	.06	5	1.08	.02	.05	1	80
GAB 3+00N 8+75E	8	55	124	144	3.3	68	13	1479	7.36	185	5	ND	3	88	1	10	2	68	.03	.124	38	65	.38	193	.02	2	1.47	.04	.13	1	32
GAB 3+00N 9+00E	9	52	90	117	.3	52	8	419	6.31	150	5	ND	3	91	1	13	4	72	.01	.157	40	56	.39	189	.01	2	1.43	.03	.14	1	70
GAB 3+00N 9+25E	25	39	29	282	.1	39	49	3840	6.19	288	5	ND	3	62	1	4	2	59	.03	.101	46	45	.20	218	.01	13	1.05	.03	.10	1	60
GAB 3+00N 9+50E	6	67	139	199	1.0	93	24	989	6.19	181	5	ND	5	266	1	10	3	71	.43	.115	45	86	.83	380	.04	7	1.99	.05	.19	1	32
GAB 3+00N 9+75E	6	52	90	142	.2	71	9	240	7.04	195	5	ND	3	66	1	11	3	92	.04	.078	32	118	.49	213	.02	3	1.70	.03	.11	1	23
GAB 3+00N 10+00E	1	27	14	127	.1	63	25	620	5.21	5	5	ND	7	166	1	2	2	164	.62	.275	34	175	4.85	104	.25	4	3.15	.06	.53	1	1
GAB 3+00N 10+25E	1	27	12	99	.1	47	16	347	4.57	9	5	ND	7	167	1	4	3	170	.62	.210	37	167	2.62	62	.34	6	2.21	.06	.10	1	3
GAB 3+00N 10+50E	1	31	23	117	.3	20	16	477	5.32	37	5	ND	6	33	1	7	2	135	.04	.143	55	48	.34	135	.05	7	1.75	.02	.13	1	34
GAB 3+00N 10+75E	119	31	79	79	3.7	15	8	124	4.29	265	5	ND	5	207	1	18	2	68	.01	.113	56	23	.11	241	.01	5	.99	.03	.34	1	300
GAB 3+00N 11+00E	24	59	41	116	1.6	28	14	1050	6.45	621	5	ND	4	188	1	49	2	37	.06	.323	43	17	.06	266	.01	4	.40	.04	.21	1	295
GAB 3+00N 11+25E	34	84	49	138	2.4	49	17	733	8.16	764	5	ND	4	115	1	59	2	51	.03	.324	48	37	.17	152	.01	2	.77	.03	.13	1	365
GAB 3+00N 11+50E	29	77	43	122	.7	53	16	875	6.72	635	5	ND	4	82	1	49	2	64	.01	.220	50	26	.15	156	.01	3	.85	.02	.14	1	200
GAB 3+00N 11+75E	23	49	40	98	1.2	36	12	388	5.21	432	5	ND	6	69	1	37	2	74	.06	.172	48	36	.37	124	.03	6	1.12	.03	.16	1	225
GAB 3+00N 12+00E	12	33	53	96	.4	67	10	354	5.38	425	5	ND	4	55	1	26	3	55	.03	.249	41	48	.28	134	.02	5	1.00	.02	.16	1	110
GAB 2+50N 7+25E	3	19	33	56	.1	63	6	162	4.07	102	5	ND	3	34	1	5	2	165	.04	.050	20	175	.79	72	.19	4	1.64	.03	.06	1	7
GAB 2+50N 7+50E	3	28	34	68	.1	67	8	298	4.68	93	5	ND	6	46	1	4	2	155	.08	.093	20	149	.87	82	.19	5	1.51	.03	.06	1	5
GAB 2+50N 7+75E	2	32	32	78	.5	199	12	342	4.43	107	5	ND	3	29	1	8	2	91	.03	.050	20	358	1.64	74	.06	5	1.91	.03	.06	1	33
GAB 2+50N 8+00E	4	47	58	120	.8	216	16	600	6.01	247	5	ND	4	62	1	13	2	96	.16	.115	28	311	1.98	99	.09	5	1.95	.04	.06	1	50
GAB 2+50N 8+25E	4	26	33	71	.6	92	9	377	4.53	165	5	ND	2	34	1	11	2	124	.02	.066	21	207	.71	123	.09	5	1.51	.03	.05	1	18
GAB 2+50N 8+50E	4	33	30	112	.4	110	13	747	7.75	235	5	ND	2	30	1	8	2	83	.03	.199	14	108	.27	81	.01	2	.96	.03	.06	1	8
GAB 2+50N 8+75E	2	41	31	224	.9	72	16	671	4.28	86	6	ND	6	222	1	5	2	92	.60	.152	55	122	1.18	258	.10	7	1.70	.05	.21	1	3
GAB 2+50N 9+00E	3	44	29	124	.5	17	10	412	2.84	136	5	ND	11	191	1	6	2	39	.36	.087	78	22	.32	173	.01	6	1.63	.03	.11	1	75
STD C/AU-0.5	20	62	38	143	7.0	74	30	1158	3.96	38	17	8	37	52	19	17	19	72	.48	.105	39	62	.89	182	.09	37	1.72	.10	.15	12	480

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
GAB 2+50N 9+25E	2	28	20	49	.4	7	4	68	2.14	184	5	ND	7	51	1	26	4	33	.03	.131	45	10	.07	120	.01	2	1.07	.01	.04	1	115
GAB 2+50N 9+50E	2	41	23	88	.1	28	13	233	3.71	70	5	ND	7	123	1	6	2	67	.14	.134	56	52	1.12	266	.06	5	1.99	.03	.25	1	30
GAB 2+50N 9+75E	1	11	13	94	.1	38	16	521	3.62	2	5	ND	5	59	1	2	3	97	.34	.199	33	108	2.10	190	.19	7	1.76	.05	.52	1	1
GAB 2+50N 10+00E	1	31	12	112	.2	50	21	1352	4.34	2	5	ND	4	82	1	2	4	119	.53	.203	37	135	2.62	263	.13	8	2.28	.05	.22	1	1
GAB 2+50N 10+25E	1	59	17	127	.2	51	20	707	5.24	3	5	ND	8	82	1	2	3	139	.37	.260	57	138	2.00	181	.10	7	1.92	.05	.18	1	1
GAB 2+50N 10+50E	2	49	33	111	.2	23	18	998	5.49	82	5	ND	4	53	1	14	2	77	.13	.184	45	30	.39	148	.02	8	.88	.03	.20	1	90
GAB 2+50N 10+75E	3	65	21	102	.3	48	22	715	4.94	23	5	ND	10	96	1	6	3	112	.47	.227	57	114	2.31	274	.14	9	2.18	.05	.32	1	19
GAB 2+50N 11+00E	2	49	17	105	.2	41	19	821	4.85	21	5	ND	7	83	1	6	3	105	.25	.156	46	105	1.69	137	.10	12	1.92	.04	.22	1	18
GAB 2+50N 11+25E	2	40	15	127	.4	34	18	1658	4.16	11	5	ND	5	95	1	6	4	95	.45	.253	45	94	1.45	171	.09	9	1.50	.04	.23	1	10
GAB 2+50N 11+50E	1	32	19	103	.6	32	15	567	3.74	27	5	ND	7	93	1	2	3	96	.38	.235	45	86	1.50	145	.10	6	1.76	.04	.26	1	28
GAB 2+50N 11+75E	7	76	29	251	.6	93	20	3469	4.38	116	20	ND	4	400	1	3	3	69	1.04	.203	44	72	.89	410	.04	8	1.36	.05	.20	1	21
GAB 2+50N 12+00E	11	52	68	188	.8	62	23	1153	7.17	427	5	ND	5	98	1	25	3	81	.13	.154	49	66	.41	183	.02	6	1.10	.03	.12	1	195
GAB 1+50N 7+25E	3	22	28	80	1.1	118	11	472	3.87	113	5	ND	2	27	1	10	4	90	.04	.078	17	276	1.18	59	.05	7	1.36	.03	.06	1	5
GAB 1+50N 7+50E	5	31	50	89	.6	98	11	418	3.85	105	5	ND	2	49	1	8	5	76	.05	.101	24	229	1.02	99	.04	6	1.76	.03	.08	1	9
GAB 1+50N 7+75E	12	64	75	128	.7	71	12	583	5.14	139	5	ND	4	161	1	10	3	67	.13	.237	52	93	.71	201	.02	8	1.47	.05	.19	1	11
GAB 1+50N 8+75E	7	49	46	217	.5	26	43	4251	7.68	383	5	ND	4	230	1	6	5	78	.38	.142	47	29	.35	592	.02	3	1.54	.04	.09	1	70
GAB 1+50N 9+00E	2	63	42	97	.5	10	12	325	5.47	63	5	ND	12	33	1	6	3	31	.06	.228	55	6	.10	360	.01	9	1.13	.02	.05	1	2
GAB 1+50N 9+25E	3	45	41	101	.3	8	15	1341	4.74	37	5	ND	7	75	1	6	4	18	.15	.212	54	6	.08	323	.01	8	.64	.02	.06	1	2
GAB 1+50N 9+50E	2	89	63	125	.3	16	16	570	8.22	1115	5	ND	8	68	1	1043	3	34	.05	.406	36	13	.11	174	.01	2	1.39	.03	.05	1	390
GAB 1+50N 9+75E	1	25	21	69	.1	33	12	387	3.02	6	5	ND	9	32	1	5	2	101	.15	.121	56	87	.82	197	.15	5	2.01	.03	.34	1	2
GAB 1+50N 10+00E	1	28	13	105	.1	45	19	1052	4.20	2	5	ND	7	30	1	2	2	93	.13	.149	53	96	1.76	186	.15	8	2.10	.04	.41	1	1
GAB 1+50N 10+25E	2	32	34	106	.1	38	17	337	4.14	2	5	ND	12	47	1	4	2	96	.24	.223	55	72	1.88	205	.25	7	2.21	.04	.38	1	1
GAB 1+50N 10+50E	1	58	37	120	.3	22	24	1516	5.82	58	5	ND	5	137	1	23	2	76	.50	.229	44	35	.36	514	.02	9	.97	.04	.25	1	55
GAB 1+50N 10+75E	1	82	44	157	.6	27	27	2242	6.29	42	5	ND	3	199	1	34	2	71	.63	.244	34	39	.41	894	.01	7	.96	.04	.21	1	10
GAB 1+50N 11+00E	2	35	22	120	.3	42	22	1277	4.33	10	5	ND	5	68	1	3	2	91	.33	.192	46	87	2.11	279	.12	9	1.98	.04	.37	1	8
GAB 1+50N 11+25E	3	53	17	198	.5	44	17	1605	3.87	20	10	ND	5	420	1	2	2	85	1.41	.202	39	95	1.93	269	.08	8	1.84	.06	.21	1	35
GAB 1+50N 11+50E	1	27	20	107	.4	35	17	1005	4.28	15	5	ND	5	56	1	4	2	89	.19	.211	41	92	1.80	199	.10	8	1.80	.04	.28	1	39
GAB 1+50N 11+75E	1	11	19	40	.1	10	4	83	2.23	9	5	ND	4	53	1	2	2	75	.04	.037	46	47	.29	112	.04	3	1.07	.02	.10	1	18
GAB 1+50N 12+00E	6	34	28	179	.2	41	21	3470	4.71	71	5	ND	5	195	1	5	3	95	.47	.188	44	88	1.41	447	.07	7	1.83	.05	.19	2	29
GAB 2+50N 7+25E A	14	103	49	206	1.9	270	26	4927	6.51	323	5	ND	2	129	1	13	4	85	.08	.249	31	363	1.02	355	.01	7	2.73	.04	.13	1	20
GAB 2+50N 7+50E A	2	53	18	79	.4	107	8	348	4.08	112	5	ND	2	17	1	11	2	43	.02	.065	7	38	.10	40	.01	5	.63	.01	.03	1	8
GAB 2+50N 7+75E A	10	62	163	263	.6	52	6	418	3.45	416	5	ND	2	12	1	13	2	56	.01	.048	8	32	.10	74	.01	6	1.02	.01	.04	1	260
GAB 2+50N 8+00E A	4	43	45	134	.5	243	18	532	6.82	173	5	ND	3	31	1	11	2	88	.03	.059	19	420	1.71	89	.05	6	1.99	.03	.06	1	19
GAB 2+50N 8+25E A	2	20	24	91	.8	69	13	495	6.69	62	5	ND	3	11	1	4	3	200	.02	.050	9	219	1.80	54	.23	5	2.69	.04	.05	1	7
GAB 2+50N 8+50E A	4	32	37	76	.6	126	10	701	4.16	149	5	ND	2	28	1	10	3	86	.03	.085	21	206	.98	76	.05	6	1.36	.03	.05	1	17
GAB 2+50N 8+75E A	11	35	76	90	.2	70	10	527	5.94	142	5	ND	4	80	1	12	2	86	.02	.131	35	93	.43	162	.02	8	1.42	.03	.10	1	3
STD C/AU-0.5	22	63	42	142	7.0	76	31	1201	3.98	42	21	8	39	54	20	17	19	75	.48	.110	42	65	.89	179	.09	40	1.72	.10	.15	13	505

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
GAB 2+50N 9+00E A	4	131	22	341	.4	38	22	1049	3.82	80	6	ND	9	62	1	8	2	77	.19	.092	66	35	1.17	92	.11	4	2.54	.04	.13	1	29
GAB 2+50N 9+50E A	3	45	33	89	.5	20	12	872	4.93	300	5	ND	7	64	1	5	3	35	.03	.122	56	12	.13	195	.01	5	.97	.02	.09	1	22
GAB 2+50N 9+75E A	1	32	12	116	.2	41	22	1099	4.60	2	5	ND	11	131	1	2	2	88	.53	.234	60	72	1.29	694	.15	9	2.06	.05	.54	1	2
GAB 2+50N 10+00E A	1	27	14	89	.1	32	14	493	4.13	2	5	ND	6	80	1	3	2	106	.29	.178	51	101	1.42	269	.08	8	1.86	.04	.25	1	3
GAB 2+50N 10+25E A	1	49	25	137	.3	42	18	786	6.07	8	5	ND	6	141	1	4	2	148	.26	.265	53	118	1.05	281	.05	7	1.82	.04	.16	1	1
GAB 2+50N 10+50E A	24	64	47	88	1.1	26	14	259	5.44	187	5	ND	3	125	1	33	3	71	.01	.161	44	23	.11	132	.01	6	1.02	.02	.09	1	190
GAB 2+50N 10+75E A	37	49	52	105	3.6	21	11	327	5.91	364	5	ND	4	125	1	16	2	79	.16	.234	46	36	.32	241	.02	9	.88	.03	.20	1	360
GAB 2+50N 11+00E A	1	35	26	133	.5	26	17	1398	4.82	29	5	ND	9	43	1	2	2	109	.25	.166	53	67	1.45	441	.21	7	1.92	.04	.40	1	30
GAB 2+50N 11+25E A	3	29	30	95	.7	26	11	600	4.19	75	5	ND	7	64	1	4	3	81	.13	.163	46	64	.92	163	.09	6	1.52	.03	.20	1	85
GAB 2+50N 11+50E A	5	39	33	84	.9	40	10	270	4.15	108	5	ND	4	90	1	13	2	75	.17	.207	48	90	.77	143	.03	5	1.45	.03	.16	1	60
GAB 2+50N 11+75E A	5	58	47	117	1.4	43	13	542	5.00	125	5	ND	5	91	1	6	2	82	.06	.110	48	75	.72	278	.03	10	1.62	.03	.20	1	31
GAB 2+50N 12+00E A	11	69	53	246	.6	94	22	2900	5.51	154	5	ND	5	200	1	12	2	67	.34	.183	57	88	.89	376	.04	9	1.63	.04	.24	1	120
GAB 3+46N 8+80E Rock	1	217	4396	1913	27.6	9	5	427	1.86	106	5	5	10	381	5	2168	2	7	1.60	.073	22	5	.55	91	.01	3	.17	.08	.10	1	4820
STD C/AU-0.5	21	60	42	141	7.3	73	30	1133	3.96	40	18	8	36	50	19	15	19	70	.48	.104	41	62	.88	187	.09	38	1.73	.10	.13	12	510

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOILS AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: SEPT 4 1986 DATE REPORT MAILED: Sept 10/86 ASSAYER. D. Toye ..DEAN TOYE. CERTIFIED B.C. ASSAYER.

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SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 10+50S 3+25W	3	14	61	93	.5	106	10	558	2.01	109	6	ND	13	164	1	43	2	14	.05	.045	27	84	.43	88	.01	8	.53	.02	.07	1	49
AU 14+50S 6+25E	6	97	17	163	.5	778	51	1885	8.62	461	5	ND	4	71	1	60	2	65	.47	.081	15	374	3.61	189	.01	3	1.04	.05	.19	1	25
AU 14+50S 6+50E	3	19	36	93	.2	168	13	484	2.35	87	6	ND	2	103	1	16	2	41	.08	.117	23	240	1.11	101	.01	6	1.21	.02	.10	1	16
AU 14+50S 6+75E	4	30	27	129	.3	146	14	481	4.55	626	7	ND	3	145	1	11	2	92	.49	.129	25	221	1.25	185	.06	5	1.73	.04	.15	1	22
AU 14+50S 7+00E	3	27	25	85	.6	82	14	2284	3.26	180	5	ND	2	62	1	13	2	82	.05	.082	22	122	.59	138	.04	5	1.09	.02	.14	1	18
AU 14+50S 7+25E	3	49	10	92	1.1	207	16	380	4.48	405	5	ND	2	27	1	24	2	118	.04	.084	18	254	1.21	111	.05	5	1.58	.03	.17	1	20
AU 14+50S 7+50E	3	30	10	66	.3	112	9	273	2.61	230	5	ND	1	29	1	15	3	84	.05	.078	18	131	.34	91	.02	5	.91	.02	.14	1	10
AU 14+50S 7+75E	2	32	8	80	.8	133	10	147	3.35	302	5	ND	1	29	1	20	2	98	.04	.063	18	213	.73	130	.04	8	1.35	.02	.17	1	15
AU 14+50S 8+00E	3	37	14	78	.4	138	13	584	3.92	275	5	ND	2	41	1	19	2	110	.03	.084	22	174	.66	121	.04	5	1.05	.02	.15	1	16
AU 14+50S 8+25E	2	36	10	128	.4	199	18	493	4.94	187	5	ND	2	46	1	9	2	123	.03	.105	22	511	2.26	149	.04	6	2.47	.03	.19	1	12
AU 14+50S 8+50E	3	56	17	128	.3	185	36	2776	5.61	304	5	ND	2	30	1	13	2	105	.08	.173	19	217	1.58	130	.03	8	1.89	.03	.16	1	28
AU 14+50S 8+75E	1	57	4	74	.1	630	40	972	4.74	18	5	ND	1	12	1	2	4	139	.16	.032	6	1400	6.43	47	.11	2	3.40	.04	.11	1	21
AU 14+50S 9+00E	15	51	13	160	1.6	70	6	178	4.74	91	5	ND	2	15	1	14	2	53	.08	.183	16	123	.29	136	.01	3	1.17	.02	.11	1	7
AU 14+50S 9+25E	5	71	20	153	1.5	229	19	422	6.12	227	5	ND	2	32	1	11	2	105	.09	.104	19	354	2.09	100	.05	5	2.31	.04	.14	1	42
AU 14+50S 9+50E	30	98	15	440	2.2	351	11	448	3.98	74	5	ND	2	53	4	14	2	52	.42	.140	18	81	.36	242	.01	4	1.23	.03	.10	2	16
AU 14+50S 9+75E	8	88	16	291	2.0	1534	105	1528	7.27	597	5	ND	2	67	2	63	2	61	.29	.103	14	362	2.55	231	.01	5	1.43	.04	.09	1	59
AU 14+50S 10+00E	10	90	13	425	.6	1142	78	1056	5.73	481	5	ND	2	28	2	35	2	74	.15	.114	19	251	1.37	182	.03	7	1.69	.04	.14	1	36
AU 14+50S 10+25E	6	40	8	105	.8	51	6	79	2.87	52	5	ND	2	12	1	25	3	44	.01	.119	14	27	.11	85	.01	4	1.16	.02	.07	1	33
AU 14+50S 10+50E	3	96	14	196	.4	52	10	213	7.70	20	5	ND	2	12	1	2	2	77	.03	.096	10	46	.21	92	.01	2	1.59	.02	.08	1	4
AU 14+50S 10+75E	4	49	7	144	.7	49	9	185	3.78	49	5	ND	1	15	1	13	3	51	.04	.091	11	47	.27	84	.01	3	1.24	.02	.07	1	6
AU 14+50S 11+00E	10	52	15	147	.5	83	10	353	5.42	77	5	ND	2	16	1	11	2	91	.09	.066	14	106	.56	115	.03	4	1.64	.03	.07	1	22
AU 14+50S 11+25E	7	46	16	172	.7	57	14	863	6.58	68	5	ND	2	32	1	5	2	90	.21	.070	10	75	.81	90	.09	3	2.59	.04	.07	1	27
AU 14+50S 11+50E	11	46	17	259	.2	55	17	2366	4.75	48	5	ND	3	59	2	3	2	88	.57	.048	11	72	1.11	214	.18	6	2.75	.05	.10	2	9
AU 14+50S 11+75E	7	31	13	141	.1	31	12	1676	3.62	21	5	ND	2	65	1	2	2	97	.75	.052	10	53	.90	222	.17	5	2.41	.04	.13	1	2
AU 14+50S 12+00E	5	33	7	117	.2	18	13	1070	5.37	25	5	ND	1	108	1	2	2	107	.60	.080	5	31	.89	208	.23	5	2.68	.04	.14	1	25
AU 14+50S 12+25E	1	17	9	67	.1	10	4	308	2.21	4	5	ND	1	132	1	2	2	118	.69	.050	6	31	.53	74	.29	6	2.96	.04	.09	1	1
AU 14+50S 12+50E	6	17	7	79	.1	11	6	446	4.60	13	5	ND	2	139	1	2	2	130	.50	.083	6	27	.79	194	.30	4	2.72	.04	.16	1	1
AU 14+50S 12+75E	2	23	9	91	.1	12	8	339	2.42	7	5	ND	1	110	1	2	2	139	1.03	.043	6	42	.55	182	.28	5	2.63	.04	.10	1	1
AU 14+50S 13+00E	6	63	14	287	.1	22	44	1689	4.02	19	5	ND	1	76	1	2	2	121	.94	.094	7	47	.42	157	.20	5	2.76	.04	.07	2	1
AU 14+50S 13+25E	7	30	9	81	.1	14	6	338	2.34	8	5	ND	1	81	1	2	2	132	1.34	.043	4	39	.42	195	.20	4	2.65	.04	.14	1	2
AU 14+50S 13+50E	3	28	11	91	.1	24	8	299	4.31	15	5	ND	2	44	1	2	2	182	.26	.038	8	78	.87	93	.26	2	2.65	.03	.09	1	3
AU 14+50S 14+00E	3	69	13	77	1.0	149	20	787	3.19	24	5	ND	1	96	1	3	2	81	1.89	.076	10	167	1.34	118	.10	5	1.99	.07	.10	1	10
AU 14+50S 14+25E	4	113	18	175	.5	218	26	2143	4.54	38	5	ND	2	74	1	2	2	99	1.42	.093	14	233	1.90	133	.10	7	2.71	.08	.10	1	6
AU 14+50S 14+50E	5	36	18	72	.8	85	17	785	2.95	26	5	ND	2	84	1	5	2	90	1.67	.048	9	130	.83	113	.15	7	1.26	.06	.07	1	4
AU 14+50S 14+75E	7	140	19	103	2.3	278	22	2014	4.18	28	5	ND	2	92	1	2	2	94	1.52	.177	23	266	2.06	223	.06	4	2.98	.08	.09	1	5
AU 14+50S 15+00E	1	5	3	26	.1	5	1	149	.46	3	5	ND	1	35	1	2	2	41	.23	.015	10	21	.14	56	.06	3	.98	.02	.06	1	1
STD C/AU-0.5	21	60	39	138	7.2	71	29	1108	3.98	39	17	8	36	49	18	17	20	69	.48	.105	38	60	.88	184	.09	36	1.72	.09	.14	12	495

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 14+50S 15+25E	1	3	4	18	.1	2	1	120	.35	2	5	ND	1	17	1	2	2	28	.15	.014	9	14	.10	43	.04	2	.69	.01	.05	1	3
AU 14+50S 15+50E	3	27	13	142	.3	36	14	1743	5.12	106	5	ND	1	78	1	2	2	148	.74	.106	6	104	1.22	158	.15	4	2.29	.05	.14	1	7
AU 14+50S 15+75E	2	48	11	127	.2	36	15	1439	5.39	103	5	ND	2	15	1	9	2	54	.19	.108	8	47	.55	109	.01	4	1.59	.03	.09	1	2
AU 14+75S 0+75E	27	137	84	281	2.6	35	31	2942	9.35	543	11	ND	6	376	1	97	2	127	1.15	.201	54	33	.26	117	.01	3	.69	.05	.06	1	360
AU 14+75S 1+00E	5	78	88	228	1.5	34	26	2160	6.77	2706	16	ND	13	369	1	560	2	62	.42	.186	62	21	.14	355	.01	8	.64	.04	.07	1	500
AU 15+00S 1+50W	4	120	29	151	.8	261	37	1846	7.61	197	5	ND	3	93	1	5	2	96	.47	.185	27	223	1.59	113	.03	5	1.49	.04	.18	1	27
AU 15+00S 1+25W	3	94	16	135	.7	231	29	1328	5.77	151	5	ND	1	41	1	2	2	141	.30	.106	10	271	2.87	72	.03	6	2.34	.04	.10	1	23
AU 15+00S 1+00W	2	93	20	134	.5	285	30	1628	5.23	232	5	ND	3	94	1	18	2	106	.65	.095	15	227	2.55	129	.06	5	1.93	.05	.25	1	20
AU 15+00S 0+75W	3	108	20	105	.8	287	30	2404	8.55	482	5	ND	2	10	1	2	3	111	.04	.098	11	374	2.37	99	.01	4	2.19	.03	.12	1	9
AU 15+00S 0+50W	4	82	20	163	.6	392	44	1963	7.83	302	5	ND	2	8	1	2	2	214	.04	.043	9	495	5.79	48	.14	2	3.93	.04	.36	1	11
AU 15+00S 0+25W	9	74	63	160	.8	175	27	1617	7.00	56	5	ND	3	32	1	2	4	182	.36	.097	15	256	1.96	456	.08	5	1.46	.05	.16	1	22
AU 15+00S 0+00W	16	234	164	141	1.9	330	40	1872	7.81	112	5	ND	4	44	1	15	2	137	.42	.055	17	239	2.46	119	.12	5	1.58	.05	.66	1	69
AU 15+00S 1+00E	3	43	215	272	1.9	27	23	2091	8.71	8731	16	ND	22	244	1	162	3	51	.20	.147	83	27	.08	188	.01	4	1.09	.03	.06	1	720
AU 15+00S 1+25E	7	88	32	160	.5	348	35	1545	7.14	922	5	ND	6	247	1	28	2	133	.63	.071	19	328	3.60	283	.11	5	2.25	.05	.13	1	205
AU 15+00S 1+50E	16	66	48	136	.7	255	27	1450	5.75	803	11	ND	10	180	1	53	2	76	.30	.114	34	154	1.50	153	.03	8	1.15	.04	.10	1	230
AU 15+00S 1+75E	20	82	66	167	.9	321	35	1816	7.35	1172	9	ND	11	128	1	69	2	92	.26	.128	41	165	1.59	214	.04	6	1.30	.04	.08	1	320
AU 15+00S 2+00E	4	61	45	176	.3	53	24	2330	6.00	362	8	ND	7	130	1	12	2	122	.70	.238	45	61	1.19	333	.06	7	1.22	.06	.23	1	79
AU 15+00S 2+25E	4	54	39	147	.5	54	22	2502	5.05	214	11	ND	6	226	1	9	2	118	.84	.168	37	54	.97	442	.09	6	1.00	.05	.14	1	40
AU 15+00S 2+50E	2	49	31	113	.3	39	14	860	5.35	180	8	ND	9	81	1	12	2	135	.26	.128	42	50	.97	160	.13	6	1.18	.04	.10	1	24
AU 15+00S 2+75E	3	10	14	56	.1	40	3	95	1.39	142	5	ND	3	37	1	20	2	34	.03	.026	24	20	.07	42	.02	2	.38	.01	.05	1	7
AU 15+00S 3+00E	4	15	27	84	.3	37	4	140	3.26	221	6	ND	6	59	1	35	3	55	.03	.036	25	36	.16	45	.04	4	.65	.01	.06	1	19
AU 15+00S 3+25E	2	10	18	67	.8	22	2	107	1.00	48	7	ND	2	35	1	12	3	20	.03	.072	19	34	.16	58	.01	2	.47	.01	.07	1	25
AU 15+00S 3+50E	5	8	15	48	.4	14	2	33	.95	54	8	ND	2	38	1	27	4	23	.02	.030	23	11	.03	48	.01	2	.37	.01	.05	2	11
AU 15+00S 3+75E	3	10	27	74	.3	19	3	116	2.13	75	5	ND	2	32	1	35	4	29	.02	.043	11	25	.07	45	.01	4	1.14	.01	.05	1	16
AU 15+00S 4+00E	1	8	68	85	.6	18	5	624	1.77	105	13	ND	12	257	1	38	3	11	.05	.030	19	8	.05	102	.01	5	.40	.02	.07	1	210
AU 15+00S 4+25E	2	9	69	96	.4	24	6	579	2.00	102	10	ND	17	107	1	34	2	7	.06	.060	34	7	.04	46	.01	5	.36	.02	.07	1	240
AU 15+00S 4+50E	2	19	62	100	.7	395	22	715	3.01	133	13	ND	16	116	1	28	4	30	.15	.059	32	308	1.08	84	.02	7	.85	.03	.14	1	49
AU 15+00S 4+75E	1	12	41	60	.5	231	13	481	1.87	73	9	ND	13	73	1	16	2	20	.07	.040	26	227	.76	59	.01	4	.61	.03	.10	1	33
AU 15+00S 5+00E	6	43	41	106	.6	777	40	835	5.14	136	6	ND	4	141	1	8	3	93	.10	.040	17	687	2.94	103	.04	8	2.28	.04	.08	1	22
AU 15+00S 5+50E	3	28	60	107	.7	547	33	1146	3.91	342	9	ND	12	149	1	63	4	32	.18	.039	22	281	1.80	109	.01	6	.90	.03	.09	1	66
AU 15+00S 5+75E	3	24	26	73	.7	77	8	268	2.82	157	8	ND	4	48	1	13	2	99	.12	.107	41	92	.47	85	.04	3	.84	.02	.09	1	50
AU 15+00S 6+00E	6	84	21	156	.4	341	23	922	7.85	1438	5	ND	2	9	1	79	2	82	.02	.110	14	191	.18	88	.01	5	.86	.02	.13	1	17
AU 15+50S 0+75W	4	94	21	120	.2	286	34	1593	7.67	322	5	ND	1	18	1	2	2	191	.08	.111	11	330	1.55	126	.01	5	1.78	.03	.11	1	18
AU 15+50S 0+50W	5	243	31	147	1.1	326	52	2028	10.91	394	5	ND	4	20	1	2	2	200	.12	.139	21	291	3.39	106	.07	2	2.65	.05	.18	1	95
AU 15+50S 0+25W	6	70	45	145	.5	209	30	1690	6.81	86	6	ND	4	42	1	2	2	163	.24	.108	18	269	2.82	150	.10	3	2.41	.04	.19	1	20
AU 15+50S 0+00W	4	152	17	111	.8	330	27	648	7.27	80	5	ND	3	85	1	2	2	161	.45	.056	16	399	4.03	236	.09	6	2.68	.05	.22	1	49
STD C/AU-0.5	21	59	40	136	7.2	70	28	1093	3.97	36	16	8	36	48	17	15	22	68	.48	.103	36	59	.88	182	.08	34	1.72	.09	.15	12	490

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SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 15+50S 0+50E	4	29	20	61	.1	39	6	85	2.55	130	6	ND	2	64	1	17	2	90	.02	.060	25	57	.16	147	.02	4	1.26	.01	.04	1	25
AU 15+50S 0+75E	7	72	47	108	2.0	26	18	1180	9.21	255	5	ND	3	95	1	32	2	101	.08	.188	23	59	.15	112	.01	3	1.63	.03	.03	1	220
AU 15+50S 1+00E	6	111	53	171	2.2	76	35	3313	9.69	265	5	ND	5	281	1	46	2	142	.19	.289	46	61	.38	362	.01	3	1.26	.04	.05	1	340
AU 15+50S 1+25E	4	114	29	169	.5	321	38	1721	7.58	418	5	ND	5	141	1	30	2	102	.41	.090	18	202	2.18	321	.05	6	1.59	.04	.10	1	96
AU 15+50S 1+50E	6	123	65	193	.6	201	39	2677	9.56	1355	5	ND	6	276	1	71	2	130	.70	.166	39	175	1.74	342	.04	5	1.49	.05	.06	1	330
AU 15+50S 1+75E	9	106	42	157	.6	368	39	1891	8.16	1465	6	ND	6	367	1	63	2	108	.98	.088	20	220	2.58	403	.07	7	1.54	.06	.09	1	300
AU 15+50S 2+00E	28	89	72	172	.8	271	34	1847	8.21	1384	9	ND	14	336	1	89	2	85	.80	.176	47	125	1.49	216	.03	8	.98	.05	.06	1	240
AU 15+50S 2+25E	5	111	60	153	.5	87	27	2129	7.13	393	5	ND	10	201	1	15	2	151	.94	.219	60	82	2.02	563	.11	11	1.80	.06	.39	1	83
AU 15+50S 2+50E	11	192	76	252	.5	150	32	3636	11.78	351	11	ND	16	350	1	36	2	259	1.29	.315	72	66	1.28	833	.08	2	1.88	.07	.22	1	30
AU 15+50S 2+75E	3	29	22	88	.2	160	10	474	3.82	128	5	ND	4	56	1	9	2	105	.18	.078	24	80	1.11	76	.14	6	1.07	.04	.08	1	17
AU 15+50S 3+00E	6	21	17	61	.3	68	7	235	1.80	117	5	ND	1	43	1	18	2	37	.10	.117	15	53	.25	68	.01	5	.43	.02	.08	1	52
AU 15+50S 3+25E	3	9	11	48	.3	26	3	75	.89	54	5	ND	2	36	1	13	2	23	.02	.052	23	29	.09	55	.01	3	.45	.01	.06	2	41
AU 15+50S 3+50E	3	9	15	48	.1	22	2	49	.85	53	5	ND	1	43	1	14	2	19	.02	.058	23	23	.07	52	.01	3	.39	.01	.04	1	26
AU 15+50S 3+75E	3	8	20	37	.2	12	2	56	.88	42	5	ND	2	53	1	20	2	25	.03	.028	23	16	.08	38	.02	4	.39	.01	.06	2	15
AU 15+50S 4+27E	16	12	88	108	1.1	64	8	635	2.41	198	7	ND	16	114	1	87	2	8	.10	.050	30	10	.11	53	.01	7	.35	.03	.06	1	88
AU 15+50S 4+50E	10	23	148	145	1.4	142	16	1113	4.69	301	5	ND	5	129	1	113	3	18	.05	.092	33	51	.25	59	.01	8	1.03	.02	.05	1	99
AU 15+50S 4+75E	4	15	51	57	.4	96	9	420	2.48	138	5	ND	2	65	1	35	2	32	.01	.077	22	158	.64	46	.01	6	.71	.02	.05	1	30
AU 15+50S 5+00E	5	22	78	97	.3	142	24	1433	3.88	222	5	ND	2	78	1	47	2	40	.04	.106	20	171	.75	76	.01	10	.89	.02	.06	1	20
AU 15+50S 5+50E	2	25	53	101	.4	304	20	893	2.89	177	5	ND	8	96	1	52	2	23	.09	.042	22	194	.92	77	.01	8	.65	.03	.05	1	22
AU 15+50S 5+75E	2	23	55	92	.3	268	19	842	2.68	148	6	ND	9	76	1	45	2	23	.08	.040	20	190	.94	72	.01	7	.64	.03	.05	1	27
AU 15+50S 6+00E	5	101	25	150	.4	396	33	1296	4.83	128	5	ND	3	59	1	14	2	67	.10	.054	12	339	2.25	98	.02	9	1.77	.03	.09	1	15
AU 16+00S 1+50W	4	161	27	150	.9	418	43	1509	7.50	327	5	ND	5	87	1	13	2	84	.28	.102	18	266	1.94	145	.04	7	1.63	.04	.17	1	38
AU 16+00S 1+25W	2	116	13	119	.5	368	34	1407	6.58	96	5	ND	5	95	1	2	2	176	.54	.124	18	404	4.15	193	.15	7	2.82	.05	.38	1	19
AU 16+00S 1+00W	2	119	12	121	.5	481	41	1403	6.96	74	5	ND	4	68	1	2	2	180	.35	.077	16	511	4.27	99	.11	5	2.81	.05	.31	1	15
AU 16+00S 0+75W	3	102	24	144	.4	266	31	1275	7.05	78	5	ND	8	110	1	2	2	177	.74	.209	32	300	3.32	171	.19	7	2.51	.06	.49	1	13
AU 16+00S 0+50W	7	229	22	143	.5	1591	153	2571	11.11	151	5	ND	2	53	1	2	2	217	.39	.058	9	1363	5.99	219	.20	2	3.63	.06	.64	1	8
AU 16+00S 0+25W	2	114	18	130	.5	369	33	1156	6.66	73	5	ND	3	54	1	2	2	192	.51	.093	11	418	5.17	103	.18	6	3.14	.05	.39	1	15
AU 16+00S 0+00W	4	138	19	135	.5	489	44	1360	7.04	68	5	ND	2	29	1	2	3	209	.34	.057	11	520	5.76	76	.12	9	3.47	.05	.33	1	7
AU 16+00S 0+25E	5	118	19	121	.8	500	44	1235	6.41	271	5	ND	3	64	1	18	2	91	.23	.057	10	320	3.08	270	.05	6	2.00	.04	.09	1	74
AU 16+00S 0+50E	6	133	19	144	.7	501	46	2176	7.44	236	5	ND	4	141	1	32	2	62	.31	.075	15	230	1.91	207	.01	8	1.40	.04	.09	1	41
AU 16+00S 0+75E	8	72	24	107	.3	142	22	763	4.83	331	5	ND	2	77	1	50	2	103	.20	.087	22	75	.33	470	.03	6	.91	.02	.09	1	71
AU 16+00S 1+00E	5	122	177	315	1.8	142	35	2676	11.04	2074	5	ND	10	142	1	167	2	109	.14	.157	52	105	.69	250	.03	2	1.69	.04	.07	1	420
AU 16+00S 1+25E	3	112	25	156	.5	359	41	1502	6.83	295	5	ND	4	113	1	35	2	87	.20	.068	13	220	2.05	306	.03	8	1.56	.04	.06	1	52
AU 16+00S 1+50E	5	124	75	184	.9	200	40	2348	10.63	2763	7	ND	10	327	1	85	2	129	.52	.166	38	186	1.81	386	.04	2	1.50	.05	.07	1	490
AU 16+00S 1+75E	8	152	97	193	1.3	192	42	2394	12.55	4592	5	2	12	800	1	142	2	94	1.85	.190	34	99	1.50	186	.02	2	.73	.07	.07	1	1050
AU 16+00S 2+00E	21	194	135	227	1.4	189	45	3486	15.86	4782	13	2	15	412	1	112	2	127	.78	.286	64	61	.52	442	.02	2	.75	.06	.07	1	2300
STD C/AU-0.5	20	59	41	137	7.2	70	29	1102	3.96	38	19	8	35	49	18	17	19	69	.48	.104	34	60	.88	181	.08	36	1.73	.09	.14	12	485

IMPERIAL METALS PROJECT - 4120 FILE # 86-2454

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 16+00S 2+25E	26	64	340	208	4.6	144	24	1538	6.55	839	9	ND	11	541	2	109	3	84	.87	.148	32	143	1.54	199	.03	5	1.01	.05	.04	1	300
AU 16+00S 2+50E	10	112	68	160	1.1	521	47	2691	9.09	796	5	ND	10	125	1	83	3	88	.24	.124	38	151	1.09	223	.02	3	1.04	.04	.05	1	540
AU 16+00S 2+75E	6	38	28	90	.1	135	13	645	5.52	352	5	ND	2	30	1	18	4	106	.10	.066	9	161	1.00	113	.05	3	1.27	.03	.06	1	22
AU 16+00S 3+00E	6	45	31	100	.4	161	15	716	6.79	226	5	ND	2	22	1	18	3	129	.04	.085	9	269	1.72	96	.04	5	1.87	.03	.05	1	21
AU 16+00S 3+25E	6	25	19	57	.1	60	6	289	1.86	116	5	ND	2	33	1	11	4	62	.03	.059	16	84	.33	123	.02	2	.86	.01	.06	1	40
AU 16+00S 3+50E	5	47	55	145	.2	198	18	648	4.09	162	5	ND	5	79	1	60	2	53	.05	.046	16	177	1.17	161	.01	7	2.40	.02	.05	1	35
AU 16+50S 1+50W	2	104	17	123	.2	413	35	1393	6.13	175	5	ND	3	99	1	9	3	141	.67	.074	11	426	3.46	122	.07	5	2.33	.05	.23	1	20
AU 16+50S 1+25W	3	102	16	130	.2	439	37	1609	6.44	83	5	ND	4	68	1	2	3	171	.43	.097	13	447	4.28	111	.13	4	2.72	.05	.36	1	21
AU 16+50S 1+00W	4	121	24	153	.2	359	38	1589	7.21	72	5	ND	8	117	1	4	2	198	.82	.194	24	355	3.75	213	.19	3	2.51	.06	.49	1	9
AU 16+50S 0+75W	3	112	22	131	.1	412	40	1602	6.88	94	5	ND	3	70	1	7	3	121	.34	.082	13	332	2.47	103	.06	6	1.82	.05	.17	1	8
AU 16+50S 0+50W	2	98	22	122	.2	269	29	1214	6.58	74	5	ND	4	69	1	2	4	176	.54	.114	17	322	4.26	94	.17	4	2.69	.05	.28	1	8
AU 16+50S 0+25W	2	109	12	121	.1	382	33	1157	6.11	55	5	ND	3	47	1	4	3	194	.54	.070	8	440	5.17	92	.23	4	3.01	.05	.47	1	5
AU 16+50S 0+00W	4	106	15	119	.1	417	36	1236	6.37	54	5	ND	2	23	1	2	2	202	.32	.053	6	521	5.45	68	.11	4	3.22	.05	.32	1	10
AU 16+50S 0+25E	7	149	18	158	.7	464	43	1663	7.46	286	5	ND	4	103	1	25	2	72	.42	.084	10	280	2.18	277	.02	4	1.54	.04	.07	1	60
AU 16+50S 0+50E	6	128	15	133	.7	562	51	1452	6.85	320	5	ND	3	81	1	26	3	91	.29	.054	7	361	3.19	352	.04	3	2.02	.04	.10	1	80
AU 16+50S 0+75E	7	154	24	154	.6	546	52	1723	7.88	379	5	ND	4	187	1	47	2	64	.40	.076	11	274	1.98	247	.01	6	1.43	.04	.09	1	65
AU 16+50S 1+00E	5	130	20	141	.3	541	46	1501	7.15	274	5	ND	4	141	1	38	2	54	.20	.061	11	229	1.52	215	.01	10	1.21	.04	.09	1	45
AU 16+50S 1+25E	7	185	54	185	.8	256	53	2127	10.52	980	9	ND	7	498	1	90	2	91	.52	.201	34	144	1.08	552	.03	4	1.26	.05	.18	1	200
AU 16+50S 1+50E	9	134	102	272	1.0	217	54	4696	12.37	3091	5	ND	6	250	1	179	2	110	.59	.154	39	140	.96	578	.01	2	1.23	.05	.07	1	520
AU 16+50S 1+75E	4	83	29	133	.1	280	31	890	6.93	853	5	ND	3	65	1	40	2	120	.10	.055	16	308	2.45	219	.04	8	2.27	.04	.06	1	220
AU 16+50S 3+00E	6	73	19	119	.1	356	31	1148	5.53	220	5	ND	2	34	1	19	2	142	.16	.067	12	331	3.57	294	.08	5	2.59	.04	.09	1	19
AU 16+50S 3+25E	6	64	25	108	.1	188	18	511	6.11	268	5	ND	2	37	1	24	2	108	.06	.071	12	155	.77	149	.04	5	1.44	.03	.06	1	15
AU 16+50S 3+50E	5	57	31	103	.1	162	17	805	4.80	249	5	ND	2	32	1	15	2	90	.07	.073	13	149	1.31	109	.12	4	1.86	.03	.07	1	51
AU 17+00S 1+50W	3	128	21	135	.2	565	51	1727	7.37	96	5	ND	4	153	1	2	2	187	.84	.079	12	596	4.77	110	.11	6	2.91	.06	.38	1	12
AU 17+00S 1+25W	5	222	28	173	.4	519	65	1682	10.50	141	5	ND	7	298	1	2	2	149	1.09	.201	29	457	3.24	152	.07	2	2.07	.06	.26	1	12
AU 17+00S 1+00W	3	129	20	134	.3	477	46	1631	7.46	85	5	ND	5	99	1	4	2	160	.51	.124	19	449	3.32	159	.12	6	2.28	.05	.38	1	11
AU 17+00S 0+75W	3	124	22	128	.2	400	42	1358	7.07	113	5	ND	3	64	1	7	2	160	.44	.110	12	405	4.06	97	.12	2	2.51	.05	.24	1	25
AU 17+00S 0+50W	3	122	26	130	.3	391	40	1439	7.21	103	5	ND	4	55	1	2	3	203	.46	.117	14	456	5.26	118	.16	5	3.12	.05	.31	1	24
AU 17+00S 0+25W	3	120	14	116	.1	550	44	1387	6.47	60	5	ND	2	31	1	2	3	189	.39	.052	6	570	5.76	77	.13	3	3.27	.05	.36	1	9
AU 17+00S 0+00W	3	125	14	124	.1	469	41	1381	6.75	57	5	ND	3	25	1	2	4	205	.33	.052	6	531	5.54	73	.11	3	3.28	.05	.32	1	15
AU 17+00S 0+25E	11	160	24	171	1.1	269	32	1490	6.58	495	5	ND	5	79	1	44	3	38	.16	.094	19	93	.80	353	.01	8	.79	.03	.14	1	60
AU 17+00S 0+50E	8	162	18	159	.8	485	49	1455	7.71	341	5	ND	4	87	1	32	2	57	.21	.076	12	247	1.70	287	.01	5	1.32	.04	.07	1	62
AU 17+00S 0+75E	8	143	20	152	.9	499	48	1360	7.10	374	5	ND	3	82	1	38	3	57	.24	.071	10	241	1.84	241	.01	6	1.34	.04	.08	1	93
AU 17+00S 1+00E	8	156	24	152	.9	605	60	1687	8.08	440	5	ND	3	111	1	55	2	70	.21	.069	12	294	2.12	329	.02	9	1.58	.04	.12	2	99
AU 17+00S 1+25E	34	204	27	159	1.2	778	82	2922	9.08	500	5	ND	4	157	1	69	2	73	.16	.076	12	341	2.18	364	.01	4	1.67	.04	.08	1	110
AU 17+00S 1+50E	5	148	21	161	.3	469	63	1961	7.11	209	5	ND	3	97	1	31	2	67	.21	.071	11	198	1.45	369	.01	4	1.24	.03	.06	1	20
STD C/AU-0.5	22	60	42	140	7.2	73	29	1123	4.00	42	19	8	36	49	19	15	20	70	.48	.106	38	62	.88	185	.09	35	1.73	.10	.14	13	520

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AU 17+00S 1+75E	5	134	44	200	.4	316	45	3622	10.66	494	16	ND	5	789	1	54	2	253	.62	.113	29	246	2.29	645	.04	2	1.82	.06	.06	1	310
AU 17+00S 2+00E	2	90	18	136	.3	364	37	1843	6.44	138	5	ND	3	56	1	6	2	153	.22	.072	12	343	3.76	358	.12	4	2.67	.04	.12	1	36
AU 17+00S 2+25E	1	83	13	106	.2	366	33	1103	5.50	66	5	ND	2	40	1	2	3	151	.32	.043	6	385	4.58	346	.21	3	2.84	.05	.16	1	23
AU 17+00S 2+50E	1	84	9	106	.2	349	31	1069	5.32	40	5	ND	2	21	1	2	3	166	.27	.041	9	427	4.83	263	.21	4	3.04	.05	.24	1	4
AU 17+00S 2+75E	1	51	9	94	.1	264	23	713	4.63	36	5	ND	1	15	1	2	5	152	.14	.030	8	370	4.43	131	.18	3	2.85	.04	.08	1	2
AU 17+00S 3+00E	1	79	11	100	.1	288	26	971	4.76	48	5	ND	1	18	1	2	4	143	.21	.046	7	429	3.95	113	.09	3	2.81	.04	.04	1	4
AU 17+00S 3+25E	1	52	12	95	.1	234	19	708	4.45	31	5	ND	1	12	1	2	2	150	.09	.044	7	313	3.20	130	.07	4	2.49	.03	.05	1	10
AU 17+00S 3+50E	8	197	33	197	.1	488	60	3076	7.00	88	5	ND	3	16	1	2	2	153	.07	.099	13	374	2.97	123	.04	3	2.53	.04	.06	1	26
AU 17+00S 3+75E	30	99	25	171	.1	327	41	2892	6.73	81	5	ND	3	16	1	3	2	89	.06	.112	15	243	1.41	254	.02	2	2.18	.03	.09	1	10
NO NUMBER (A)	57	87	434	221	3.8	195	25	3495	5.14	533	5	ND	20	169	1	296	2	28	.02	.052	38	25	.16	104	.01	4	.86	.02	.05	13	610
NO NUMBER (B)	4	40	68	121	.6	656	42	1381	4.65	404	5	ND	10	145	1	56	2	42	.14	.047	21	364	2.07	128	.03	3	1.07	.04	.07	1	78
STD C/AU-0.5	22	61	43	142	7.0	72	30	1145	3.97	40	18	7	37	51	19	16	21	72	.48	.106	36	61	.88	180	.09	34	1.72	.10	.13	12	500

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AX 1600 0+00	3	121	22	143	1.2	289	33	1486	6.27	239	5	ND	4	49	1	24	2	101	.17	.081	15	229	2.01	113	.07	6	1.63	.04	.20	1	82
AX 1600 0+25	4	118	21	159	.5	254	42	2637	6.96	319	5	ND	3	32	1	22	2	85	.03	.137	12	224	1.09	168	.01	5	1.87	.03	.10	1	43
AX 1600 0+50	4	79	14	126	.3	124	14	1734	4.77	261	5	ND	1	25	1	22	4	92	.06	.123	13	71	.16	150	.01	5	.61	.02	.07	1	70
AX 1600 0+75	1	42	7	103	.4	211	12	625	4.39	79	5	ND	2	17	1	8	2	130	.01	.069	8	269	2.51	64	.02	4	2.43	.03	.05	1	10
AX 1600 1+00	5	103	19	149	.5	212	35	1563	8.07	196	5	ND	2	31	1	26	3	115	.03	.091	11	185	.79	116	.02	5	1.74	.03	.11	1	26
AX 1600 1+25	3	95	18	220	.5	249	39	1946	8.38	428	5	ND	3	26	1	45	2	106	.02	.058	12	215	1.67	119	.08	7	2.21	.04	.19	1	63
AX 1600 1+50	5	98	17	171	.4	217	35	2047	7.55	303	5	ND	2	39	1	25	2	80	.03	.135	17	196	.68	111	.02	5	2.04	.03	.09	1	17
AX 1600 1+75	4	106	32	130	.7	260	41	2823	7.72	368	5	ND	4	24	1	30	2	72	.03	.190	25	184	.82	99	.01	6	1.52	.03	.11	1	46
AX 1600 2+00	3	115	15	121	.9	522	60	3055	7.77	199	5	ND	3	26	1	35	2	150	.03	.110	12	478	3.42	121	.02	4	2.61	.04	.06	2	31
AX 1600 2+25	5	92	22	116	.6	273	28	1177	5.19	216	5	ND	3	45	1	22	3	71	.04	.058	12	185	1.50	95	.03	6	1.28	.03	.13	2	57
AX 1600 2+50	4	106	16	123	.7	320	33	1263	5.91	240	5	ND	3	37	1	27	2	88	.06	.067	12	249	2.09	109	.05	8	1.63	.03	.14	1	61
AX 1600 2+75	3	45	12	94	.9	213	17	726	4.54	106	5	ND	2	22	1	8	2	124	.02	.099	10	278	1.42	112	.02	3	1.43	.03	.06	1	23
AX 1600 3+00	2	113	60	175	.6	192	36	1926	8.67	185	5	ND	9	86	1	33	2	102	.25	.237	56	165	1.20	170	.02	6	1.63	.04	.07	1	38
AX 1600 3+25	3	50	15	128	.2	234	24	1002	5.36	68	5	ND	1	22	1	5	2	125	.04	.118	11	316	1.99	141	.01	8	2.09	.03	.09	2	8
AX 1600 3+50	5	127	19	163	.5	414	40	1666	6.49	92	6	ND	4	49	1	13	2	85	.15	.080	16	289	1.91	149	.03	6	1.64	.04	.13	1	21
AX 1600 3+75	3	89	12	122	.3	495	35	1203	5.41	91	5	ND	2	28	1	4	2	149	.26	.047	8	452	4.84	171	.08	6	2.89	.04	.13	1	6
AX 1600 4+00	5	69	13	114	.3	333	36	2342	5.46	142	5	ND	2	8	1	8	2	158	.08	.058	9	432	4.17	80	.06	7	2.66	.04	.05	1	7
AX 1600 4+25	5	133	16	164	.4	425	45	2093	6.01	178	5	ND	2	42	1	6	2	152	.34	.102	12	462	3.90	297	.06	4	2.83	.05	.06	1	20
AX 1600 4+50	4	121	20	146	.7	215	34	1687	4.99	97	5	ND	1	42	1	3	2	122	.35	.438	11	258	2.38	971	.03	6	1.99	.04	.17	1	11
AX 1600 4+75	3	39	9	95	.1	226	16	460	4.00	99	5	ND	2	7	1	3	2	163	.07	.034	8	283	3.52	83	.20	3	2.13	.04	.05	1	1
AX 1600 5+00	1	83	13	117	.3	484	37	1294	5.38	112	5	ND	2	11	1	2	3	155	.15	.050	10	592	5.44	170	.10	5	3.18	.04	.19	1	4
AX 1600 5+25	1	43	10	110	.2	327	24	631	4.49	38	5	ND	1	11	1	2	3	133	.16	.059	5	465	4.33	124	.08	5	2.62	.04	.06	1	11
AX 1600 5+50	1	66	11	95	.3	376	27	1046	4.54	35	5	ND	2	17	1	4	2	141	.25	.032	6	468	5.02	274	.15	3	2.91	.04	.26	1	4
AX 1600 5+75	5	130	13	159	.5	511	42	1001	6.40	87	5	ND	3	78	1	4	2	189	.91	.058	9	461	4.76	170	.13	5	2.69	.06	.47	1	11
AX 1600 6+00	4	192	17	168	1.3	698	68	1920	8.17	477	5	ND	3	117	1	24	2	97	1.28	.042	8	448	2.37	101	.03	5	1.45	.06	.20	1	74
AX 1600 6+25	5	164	18	166	1.9	686	62	1409	7.55	861	5	ND	4	97	1	34	2	78	.73	.047	9	337	1.70	86	.02	5	1.17	.05	.16	1	164
AX 1600 6+50	4	159	20	164	5.3	353	40	1206	7.66	1636	5	ND	3	15	1	49	2	32	.05	.045	6	34	.11	48	.01	5	.27	.03	.09	1	2250
AX 1600 6+75	5	214	23	192	3.4	691	95	2323	8.58	906	5	ND	3	118	1	46	2	57	.80	.050	8	183	1.08	99	.02	3	.70	.05	.14	2	540
AX 1600 7+00	4	105	16	140	1.0	459	40	1380	7.45	826	5	ND	4	38	1	31	2	118	.11	.073	14	321	1.32	147	.07	4	1.83	.03	.32	1	80
AX 1600 7+25	1	96	9	93	.4	527	37	1343	5.03	46	5	ND	2	18	1	42	2	167	.20	.038	6	477	6.57	131	.23	6	3.59	.05	1.07	1	25
AX 1600 7+50	3	179	20	124	.7	700	56	1653	6.59	154	5	ND	2	65	1	12	2	175	.41	.058	8	551	4.95	109	.15	5	3.13	.05	.48	1	45
AX 1600 7+75	1	91	13	107	.5	460	37	1301	5.98	144	5	ND	3	19	1	5	3	163	.10	.050	9	478	4.13	106	.14	5	3.04	.04	.26	1	61
AX 1600 8+00	1	103	12	146	.7	387	36	1388	7.93	401	5	ND	2	15	1	44	2	60	.02	.081	8	167	.61	80	.01	4	.90	.03	.12	1	20
AX 1600 8+25	2	96	17	119	.5	339	33	1462	6.38	184	5	ND	4	33	1	14	2	137	.20	.080	14	286	3.23	118	.16	3	2.68	.04	.50	1	24
AX 1600 8+50	1	78	23	117	.3	1011	53	1096	6.64	82	5	ND	15	75	1	2	5	110	.05	.037	50	822	5.46	68	.02	4	3.25	.04	.10	1	14
AX 1600 8+75	3	56	37	121	.3	259	24	1811	5.26	278	5	ND	4	54	1	18	4	109	.05	.083	22	235	.94	136	.03	3	1.43	.03	.10	1	26
STD C/AU-0.5	22	60	42	139	7.3	71	29	1117	3.97	39	15	8	36	49	18	15	20	69	.48	.104	39	61	.88	186	.09	34	1.72	.10	.14	12	495

IMPERIAL METALS PROJECT - 4120 FILE # 86-2454

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AX 1600 9+00	3	35	28	77	.1	144	14	1013	3.24	181	5	ND	1	55	1	18	4	91	.07	.058	19	141	.46	110	.02	4	1.01	.02	.09	1	89
AX 1600 9+25	3	30	38	91	.3	108	13	1024	3.11	163	5	ND	3	66	1	18	3	84	.05	.065	24	119	.36	124	.02	2	1.18	.02	.11	1	41
AX 1600 9+50	4	35	30	85	.1	146	12	642	4.32	198	5	ND	3	34	1	17	4	106	.06	.069	22	205	.86	80	.03	2	1.51	.02	.11	1	4
AX 1600 9+75	3	35	31	84	.2	147	13	890	3.48	184	5	ND	3	70	1	21	5	84	.04	.065	24	171	.62	106	.02	2	1.19	.02	.07	1	10
AX 1600 10+00	1	16	5	60	.8	78	5	187	1.98	52	5	ND	1	11	1	9	2	66	.02	.063	9	262	1.04	84	.02	3	1.28	.02	.09	1	6
AX 1600 10+25	2	56	18	113	.1	203	20	1005	5.53	153	5	ND	2	15	1	10	3	120	.09	.074	7	285	1.82	94	.04	3	2.30	.03	.16	1	7
AX 1600 10+50	1	34	14	104	.1	203	14	699	5.15	76	5	ND	2	6	1	5	3	157	.02	.039	6	340	2.83	45	.06	2	2.29	.03	.05	1	2
AX 1600 10+75	3	91	16	125	.4	296	33	1994	6.58	177	5	ND	2	28	1	6	3	122	.18	.094	10	299	2.06	73	.03	2	2.45	.04	.11	1	13
AX 1600 11+00	4	105	17	135	.5	509	42	1968	7.23	251	5	ND	3	35	1	18	2	115	.13	.083	12	378	2.18	84	.03	2	2.34	.04	.14	1	18
AX 1600 11+25	4	135	14	153	.8	537	50	2018	8.16	1555	5	ND	4	76	1	26	3	143	.24	.104	19	456	2.71	110	.07	4	2.34	.04	.26	1	510
AX 1600 11+50	1	70	10	107	.1	344	31	1045	5.17	471	5	ND	2	37	1	18	3	138	.29	.050	6	409	3.72	56	.13	2	2.53	.04	.41	1	111
AX 1600 11+75	4	145	19	143	.7	453	52	1437	6.70	764	5	ND	3	98	1	62	2	47	.85	.050	4	146	1.28	60	.01	2	.74	.04	.12	1	320
AX 1600 12+00	8	101	16	142	.2	299	44	1248	6.32	566	5	ND	2	29	1	57	2	39	.19	.049	3	70	.32	94	.01	2	.49	.03	.10	1	52
AX 1600 12+25	3	90	12	126	.2	437	29	739	5.29	102	5	ND	2	28	1	7	4	144	.41	.050	5	490	5.04	138	.13	2	2.85	.05	.32	1	18
AX 1600 12+50	5	126	21	156	.4	817	58	1896	5.18	60	5	ND	3	116	1	6	3	77	.58	.043	5	711	3.52	146	.02	2	2.11	.05	.10	1	10
AX 1600 12+75	2	25	49	96	.2	259	19	784	2.67	157	5	ND	9	111	1	40	2	23	.10	.044	21	196	.90	79	.01	5	.64	.03	.06	1	20
AX 1600 13+00	4	15	70	91	.6	118	11	693	2.22	122	6	ND	14	136	1	59	2	14	.05	.049	29	82	.39	116	.01	5	.51	.02	.05	1	78
AX 1600 13+25	2	18	52	72	.4	393	23	726	2.66	132	5	ND	12	105	1	24	2	31	.09	.050	24	335	1.36	89	.03	3	.95	.03	.14	1	93
AX 1600 13+50	8	109	26	160	.2	305	33	1621	5.21	60	5	ND	5	36	1	14	2	51	.12	.071	13	184	1.42	147	.01	3	1.45	.03	.11	1	17
STD C/AU-0.5	22	61	38	139	7.1	71	29	1129	3.97	38	16	7	37	50	18	15	22	70	.48	.106	37	61	.88	188	.09	33	1.73	.10	.15	14	515

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AG 1550N 1+25E	5	26	10	122	.1	725	118	1777	7.96	27	5	ND	1	4	1	6	2	65	.09	.113	2	899	11.27	100	.03	29	1.38	.01	.02	1	315
AG 1550N 2+50E	5	34	4	76	.1	667	112	2272	7.38	36	5	ND	1	6	1	3	2	61	.10	.065	2	719	9.59	83	.03	25	1.37	.01	.03	1	6
AG 1550N 2+75E	4	27	18	137	.1	455	83	2255	10.12	38	5	ND	1	6	1	3	2	120	.10	.092	2	879	5.82	98	.09	16	1.80	.01	.03	2	6
AG 1550N 3+25E	3	41	10	82	.1	386	61	1374	6.99	16	5	ND	1	5	1	2	2	103	.30	.039	2	580	5.93	48	.11	4	2.54	.06	.03	1	3
AG 1550N 3+50E	5	84	11	161	.2	871	96	2280	7.03	92	5	ND	1	41	1	2	3	100	.71	.114	6	583	4.33	84	.04	8	1.99	.01	.04	1	16
AG 1550N 4+00E	8	32	12	117	.4	225	27	348	9.60	35	5	ND	1	20	1	2	6	152	.30	.058	2	500	2.21	130	.12	6	1.82	.01	.04	1	10
AG 1550N 4+25E	4	32	20	106	.1	364	46	978	10.09	24	5	ND	1	6	1	2	3	150	.12	.038	2	696	4.71	107	.17	4	2.00	.01	.03	1	1
AG 1550N 4+50E	2	22	16	77	.2	229	33	1016	6.14	16	5	ND	1	8	1	2	2	122	.13	.040	4	455	3.19	129	.12	3	1.89	.01	.03	1	9
AG 1550N 4+75E	3	29	17	113	.1	329	51	1621	9.08	27	5	ND	1	7	1	2	2	136	.12	.066	4	731	3.88	200	.11	4	1.96	.01	.03	1	3
AG 1550N 5+00E	4	27	16	92	.2	362	33	643	6.59	27	5	ND	1	15	1	2	2	118	.26	.039	4	486	4.21	193	.10	10	1.77	.01	.03	1	3
AG 1550N 5+75E	5	31	6	138	.1	455	54	866	7.56	28	5	ND	1	17	1	2	2	102	.18	.066	5	649	3.67	143	.08	20	1.87	.01	.04	1	2
AG 1550N 6+25E	2	74	12	80	.3	766	59	1069	5.01	28	5	ND	1	13	1	2	2	74	.37	.049	3	577	6.15	58	.08	12	1.77	.03	.04	1	11
AG 1550N 6+50E	4	21	11	107	.1	327	30	796	5.63	186	5	ND	1	24	1	2	3	113	.21	.054	7	769	1.96	72	.05	4	1.85	.01	.04	1	3
AG 1550N 6+75E	6	72	4	131	.5	1062	61	1027	3.81	28	5	ND	1	32	1	5	2	54	.29	.097	12	1289	9.60	63	.04	33	1.64	.01	.04	1	4
AG 1550N 7+25E	3	22	16	95	.1	354	49	1515	8.78	30	5	ND	1	13	1	2	2	109	.13	.079	4	693	1.82	142	.06	3	1.28	.01	.06	1	10
AG 1550N 7+50E	5	36	12	115	.1	309	42	1203	6.68	43	5	ND	1	19	1	2	2	111	.29	.072	2	703	2.92	89	.10	9	1.76	.01	.05	1	2
AG 1550N 7+75E	3	90	13	120	.2	613	45	1112	4.64	62	6	ND	1	78	1	2	2	64	.89	.115	3	841	5.47	60	.03	18	1.60	.01	.04	1	5
AG 1550N 9+00E	2	34	3	118	.1	376	38	1202	6.81	43	5	ND	1	9	1	4	2	119	.05	.054	7	712	3.68	86	.07	8	2.23	.01	.05	1	8
AG 1550N 9+25E	4	38	13	106	.1	678	71	1263	6.35	35	5	ND	1	14	1	6	2	82	.12	.091	8	942	9.67	91	.04	28	1.71	.01	.05	1	3
AG 1550N 9+50E	2	47	5	98	.2	394	42	767	5.47	49	5	ND	1	16	1	2	2	96	.09	.033	6	591	4.97	71	.07	11	2.23	.01	.06	2	10
AG 1550N 9+75E	1	28	9	89	.2	215	21	540	5.60	46	5	ND	1	28	1	2	5	112	.14	.045	9	424	2.32	150	.06	3	2.07	.01	.05	1	4
AG 1550N 10+00E	1	37	11	87	.3	128	15	739	5.44	63	5	ND	1	9	1	5	2	112	.02	.061	7	259	1.20	88	.04	2	2.17	.01	.04	2	3
AG 1550N 10+50E	1	30	11	81	.2	107	11	562	3.76	48	5	ND	1	9	1	4	2	101	.02	.068	8	234	1.29	75	.03	3	2.22	.01	.05	1	4
AG 1550N 10+75E	3	63	17	145	.9	245	29	2368	6.08	147	5	ND	1	22	1	10	2	91	.04	.088	12	277	1.71	147	.03	6	2.49	.01	.08	1	22
AG 1550N 11+25E	7	113	21	228	.6	341	42	10976	6.29	272	5	ND	1	113	1	26	5	45	.34	.269	14	123	.60	268	.01	6	2.09	.01	.07	1	31
AG 1550N 11+50E	7	80	12	169	.6	247	29	7733	4.49	170	5	ND	1	184	1	13	2	30	.57	.142	7	59	.40	253	.01	6	1.19	.01	.10	1	9
AG 1550N 12+75E	1	38	15	67	.6	67	11	347	3.73	144	5	ND	1	31	1	12	3	96	.05	.093	20	95	.40	126	.02	2	1.38	.01	.10	1	7
AG 1550N 13+00E	1	41	6	89	.4	117	12	556	4.80	196	5	ND	1	22	1	21	2	122	.01	.058	11	169	.97	111	.05	3	1.85	.01	.11	1	2
AG 1550N 14+50E	1	58	10	105	.6	178	19	681	5.84	211	5	ND	1	29	1	21	2	110	.02	.068	11	176	.65	114	.02	2	1.44	.01	.06	1	29
AG 1550N 15+00E	1	44	3	90	.7	157	16	632	4.67	36	5	ND	1	10	1	4	2	134	.04	.042	6	190	2.11	148	.20	2	1.91	.01	.09	2	49
AG 1550N 15+25E	2	52	14	101	.1	226	22	1351	4.49	102	5	ND	1	64	1	26	2	112	.11	.066	11	140	.26	170	.02	3	.78	.01	.07	1	9
AG 1550N 15+75E	4	43	8	123	.3	249	23	792	5.10	250	5	ND	1	34	1	76	2	88	.12	.067	8	278	1.41	83	.04	2	1.56	.01	.07	1	15
AG 1550N 16+00E	9	64	17	330	.8	325	17	1264	4.61	85	5	ND	1	67	1	46	2	80	.47	.089	8	260	1.35	167	.04	4	1.71	.01	.08	1	9
AG 1550N 17+25E	7	45	6	117	.7	86	10	290	2.82	69	5	ND	1	10	1	37	2	59	.02	.099	10	83	.30	100	.01	3	1.10	.01	.04	1	4
AG 1550N 17+50E	8	80	12	174	1.4	72	13	403	4.12	41	5	ND	1	10	1	43	2	58	.02	.140	9	88	.46	94	.01	2	1.45	.01	.05	1	5
AG 1550N 18+00E	5	89	21	194	.7	130	20	452	5.26	81	5	ND	1	13	1	163	4	44	.05	.118	9	150	.87	89	.01	2	1.85	.01	.04	1	16
STD C/AU-0.5	21	60	43	141	7.0	71	31	1153	3.95	41	20	7	33	49	18	17	21	65	.48	.112	38	62	.88	183	.09	35	1.73	.07	.14	13	515

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AG 1550N 18+50E	5	71	23	169	1.3	109	15	297	5.53	91	5	ND	1	11	1	171	2	57	.02	.105	9	113	.64	74	.01	4	1.69	.01	.04	1	70
AG 1550N 18+75E	2	43	17	71	.7	18	7	270	2.46	17	5	ND	1	9	1	14	3	49	.02	.070	11	25	.19	81	.01	2	1.42	.01	.04	1	2
AG 1550N 19+00E	2	38	21	74	.9	17	6	125	3.19	9	5	ND	1	9	1	5	5	42	.02	.107	7	25	.30	52	.01	2	1.29	.01	.05	1	3
AG 1550N 19+25E	3	48	11	113	.6	65	11	316	4.11	21	5	ND	1	13	1	8	2	46	.07	.187	6	137	.96	64	.01	2	1.62	.01	.06	1	3
AG 1550N 19+50E	1	26	7	66	.7	13	5	149	1.85	8	5	ND	1	13	1	4	2	45	.07	.072	9	25	.28	75	.02	4	1.48	.01	.05	1	1
AG 1550N 19+75E	2	40	16	98	.8	30	9	239	4.81	20	5	ND	1	13	1	5	2	74	.12	.069	7	53	.57	77	.05	4	2.25	.01	.04	1	2
STD C/AU 0.5	21	61	43	140	7.0	72	31	1159	3.96	42	21	8	33	50	19	16	20	66	.48	.117	39	62	.88	186	.09	38	1.73	.07	.14	13	495

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AI 1550N 0+50E	1	89	5	62	.4	566	38	311	2.70	5	5	ND	1	18	1	4	3	25	.22	.116	6	484	3.95	107	.01	10	1.24	.03	.02	1	3
AI 1550N 1+00E	1	30	7	93	.1	542	86	1777	6.70	29	5	ND	1	4	1	6	5	70	.10	.088	9	638	8.39	77	.02	15	1.37	.04	.02	1	56
AI 1550N 1+75E	2	35	13	86	.1	397	69	1431	7.38	23	5	ND	1	4	1	2	5	95	.06	.074	13	613	4.72	127	.03	9	1.81	.04	.02	2	6
AI 1550N 2+00E	2	28	8	83	.2	604	72	1205	6.50	21	5	ND	1	4	1	2	4	73	.10	.069	10	629	9.88	85	.03	24	1.68	.05	.02	1	12
AI 1550N 2+25E	1	19	8	75	.2	453	77	1873	8.97	22	5	ND	1	3	1	2	4	115	.07	.059	7	712	6.31	58	.07	9	1.61	.04	.02	1	4
AI 1550N 3+75E	4	30	12	149	.2	388	50	665	6.98	15	5	ND	1	26	1	9	2	97	.40	.063	9	469	2.88	128	.03	8	2.20	.05	.04	2	5
AI 1550N 5+25E	1	37	13	88	.2	244	34	1059	10.15	23	5	ND	2	4	1	3	2	148	.04	.033	14	507	3.00	93	.10	2	1.63	.04	.02	1	2
AI 1550N 5+50E	1	30	6	93	.4	406	41	728	6.09	13	5	ND	1	7	1	5	2	100	.13	.037	10	564	4.04	75	.10	7	1.82	.05	.02	1	3
AI 1550N 6+00E	1	41	6	62	.1	569	52	978	5.21	28	5	ND	1	5	1	3	4	97	.17	.022	6	511	5.54	32	.10	10	2.07	.05	.02	1	2
AI 1550N 8+25E	1	47	8	105	.1	202	14	414	4.40	38	5	ND	2	42	1	3	3	138	.34	.027	11	236	2.51	47	.19	3	2.01	.05	.04	1	3
AI 1550N 8+50E	2	86	13	134	.7	368	29	1586	4.90	80	8	ND	1	124	1	12	4	89	.75	.116	19	452	2.76	106	.03	7	1.84	.05	.05	1	12
AI 1550N 8+75E	1	31	8	87	.1	217	19	498	4.69	181	5	ND	1	13	1	9	2	82	.05	.039	10	340	1.70	130	.02	5	1.12	.03	.04	1	41
AI 1550N 10+25E	1	27	12	83	.1	97	9	579	4.30	44	5	ND	1	8	1	12	2	116	.04	.055	11	194	1.05	87	.06	3	1.69	.02	.04	1	1
AI 1550N 12+00E	1	47	12	84	.1	96	11	546	5.24	125	5	ND	1	24	1	18	2	107	.05	.060	15	109	.45	115	.04	5	1.30	.02	.06	1	5
AI 1550N 12+25E	1	33	8	70	.5	65	8	454	3.01	111	5	ND	1	23	1	15	2	75	.02	.059	16	59	.17	145	.01	3	.83	.01	.06	1	6
AI 1550N 12+50E	1	149	17	153	3.7	278	39	2752	9.16	756	5	ND	2	22	1	46	2	126	.03	.090	22	98	.49	82	.02	2	1.23	.03	.10	1	650
AI 1550N 13+25E	1	41	6	107	.5	88	13	1056	5.18	76	5	ND	1	17	1	16	2	144	.03	.085	16	134	1.24	85	.05	4	1.77	.02	.08	1	55
AI 1550N 13+50E	1	86	17	115	.4	206	28	1155	8.32	140	5	ND	1	28	1	59	2	130	.03	.120	15	222	1.62	123	.02	4	1.94	.03	.07	1	14
AI 1550N 13+75E	2	79	11	113	.3	180	21	1115	5.98	267	5	ND	1	33	1	31	2	104	.02	.091	12	116	.32	135	.01	3	1.24	.02	.07	1	10
AI 1550N 14+75E	1	45	9	98	.3	185	18	629	5.42	54	5	ND	1	21	1	8	2	156	.18	.037	8	256	3.26	95	.23	3	2.45	.04	.23	1	11
AI 1550N 15+50E	1	58	11	109	.6	181	15	908	5.07	219	5	ND	1	36	1	47	3	103	.13	.076	11	183	.76	152	.02	3	1.04	.02	.06	1	15
AI 1550N 17+75E	5	68	9	172	2.2	83	9	456	4.63	38	5	ND	1	12	1	60	2	56	.02	.170	7	101	.68	99	.01	5	1.46	.02	.04	1	5
AI 1550S 0+00E	1	19	9	83	.1	248	21	592	3.25	44	5	ND	1	4	1	7	2	93	.05	.059	13	394	2.12	55	.03	4	1.50	.03	.02	1	35
AI 1550S 0+50E	26	127	38	265	.3	136	36	3173	6.56	92	5	ND	3	9	1	22	2	46	.05	.175	20	85	.53	121	.01	4	1.05	.02	.18	1	195
AI 1550S 0+75E	21	131	43	182	.4	131	29	2256	7.32	66	5	ND	3	10	1	2	2	52	.02	.168	15	110	.49	99	.01	5	1.13	.02	.13	1	8
AI 1550S 1+00E	6	88	17	131	.2	929	69	1437	5.61	120	5	ND	2	10	1	13	3	76	.12	.058	8	664	4.75	44	.01	5	1.95	.04	.01	1	19
AI 1550S 1+25E	2	110	16	155	.6	342	39	1290	9.04	392	5	ND	2	7	1	45	2	90	.08	.103	11	178	.83	284	.01	2	1.62	.03	.04	1	75
AI 1550S 1+50E	5	191	14	172	.3	329	60	2553	10.00	359	5	ND	2	9	1	37	2	106	.30	.159	9	276	1.77	171	.01	2	2.15	.04	.03	1	48
AI 1550S 1+75E	3	49	12	95	.1	356	34	1108	4.92	53	5	ND	1	5	1	9	2	98	.04	.084	9	543	2.72	77	.03	2	2.33	.03	.02	1	15
AI 1550S 2+00E	1	43	10	109	.1	171	19	1009	4.99	15	5	ND	1	2	1	8	3	149	.05	.043	7	310	3.00	42	.16	2	2.65	.03	.04	1	1
AI 1550S 2+25E	2	16	12	79	.1	72	6	332	2.65	11	5	ND	1	5	1	12	2	85	.03	.069	7	234	1.29	92	.06	2	2.12	.02	.04	1	1
AI 1550S 2+50E	2	13	9	77	.1	58	7	325	2.33	33	5	ND	1	51	1	5	2	52	.51	.066	5	125	.86	243	.01	2	1.43	.03	.05	1	6
AI 1550S 2+75E	2	28	19	92	.3	12	8	450	3.96	6	5	ND	9	78	1	4	4	137	.59	.129	44	36	1.64	192	.31	2	1.67	.05	.27	1	3
AI 1550S 3+00E	5	28	12	90	.1	45	12	863	3.53	31	5	ND	1	106	1	3	2	38	1.62	.184	9	41	.28	182	.01	3	.89	.04	.04	1	4
STD C/AU-0.5	21	61	42	141	7.3	71	29	1136	3.96	41	15	8	37	50	18	15	20	70	.48	.107	40	60	.88	189	.09	34	1.73	.10	.13	12	490

IMPERIAL METALS PROJECT - 4120 FILE # 86-2053

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
AI 1550S 3+25E	4	65	16	135	.2	84	15	812	3.94	37	5	ND	1	115	1	9	2	52	1.43	.143	13	71	.63	202	.01	4	1.37	.04	.09	1	10
AI 1550S 3+50E	14	67	13	208	.2	140	17	620	3.83	35	5	ND	2	270	1	2	2	23	5.14	.100	10	30	.68	98	.01	5	.63	.06	.10	1	2
AI 1550S 4+25E	5	21	12	106	.2	66	21	3353	2.87	13	5	ND	1	64	1	2	2	89	1.32	.184	6	133	.96	146	.01	4	1.41	.04	.07	1	4
AI 1550S 4+50E	13	54	16	90	.2	268	37	2266	5.38	23	5	ND	2	6	1	8	3	132	.04	.117	8	332	2.01	74	.01	4	2.76	.03	.05	1	7
AI 1550S 5+00E	5	136	28	154	.4	226	47	2649	5.28	31	5	ND	1	69	1	2	2	90	.82	.249	15	194	1.80	141	.01	6	2.28	.04	.07	1	8
AI 1550S 5+25E	10	105	17	166	.3	150	23	6184	4.64	25	5	ND	2	59	1	5	2	59	.93	.227	28	88	1.10	213	.01	4	2.19	.04	.09	1	5
AI 1550S 5+50E	7	89	21	154	.3	142	22	1324	5.94	20	5	ND	1	21	1	2	2	110	.42	.095	12	134	1.18	127	.06	5	2.49	.03	.07	1	6
AI 1550S 6+00E	14	97	17	251	.6	166	21	1007	4.81	31	5	ND	1	21	1	3	2	76	.34	.130	13	176	1.93	88	.06	5	2.04	.04	.10	1	9
AI 1550S 6+25E	23	124	15	404	.9	235	20	926	4.70	20	5	ND	2	26	3	5	2	81	.41	.121	11	240	2.31	88	.11	7	1.95	.04	.08	1	12
AI 1550S 6+50E	14	138	23	292	3.2	51	24	1616	5.06	19	5	ND	2	16	2	5	2	45	.09	.211	12	33	.69	139	.01	5	1.60	.02	.07	1	9
AI 1550S 6+75E	44	173	22	772	1.1	112	19	956	6.76	38	5	ND	1	14	2	5	2	107	.13	.210	11	43	.81	193	.03	9	1.97	.03	.08	1	4
AI 1550S 7+00E	73	267	27	1177	1.5	238	32	2012	7.28	46	5	ND	2	48	10	2	2	135	.39	.271	13	48	1.31	232	.05	7	2.37	.04	.12	1	5
AI 1550S 7+25E	56	276	20	744	2.3	142	34	1898	7.58	40	5	ND	1	39	8	3	2	90	.39	.218	17	48	.60	239	.07	9	1.73	.04	.12	1	6
AI 1550S 7+75E	4	116	16	223	3.4	39	17	709	6.15	14	5	ND	2	12	1	3	2	40	.10	.117	11	23	.85	108	.01	5	1.53	.03	.07	1	7
AI 1550S 8+00E	8	118	15	232	.6	40	12	285	5.36	21	5	ND	2	12	1	9	2	51	.01	.101	12	18	.32	186	.01	6	1.38	.02	.06	1	4
AI 1550S 8+25E	3	36	7	102	.7	12	5	191	2.91	10	5	ND	1	8	1	2	2	46	.02	.128	12	23	.19	66	.01	3	1.29	.01	.04	1	3
AI 1550S 8+50E	1	13	4	38	3.1	4	1	79	1.04	2	5	ND	1	9	1	2	2	37	.01	.058	12	18	.13	74	.01	2	1.36	.01	.04	1	4
AI 1550S 8+75E	4	89	15	149	.6	22	7	212	5.14	9	5	ND	2	10	1	5	2	80	.01	.080	10	32	.46	112	.01	6	2.39	.02	.05	1	8
AI 1550S 9+00E	2	135	17	183	.8	34	17	889	4.81	15	5	ND	2	13	1	11	2	32	.04	.116	14	19	.43	86	.01	3	1.50	.02	.06	1	15
AI 1550S 9+25E	4	80	15	171	.3	36	12	660	4.28	14	5	ND	1	17	1	4	2	38	.10	.136	12	38	.51	76	.01	4	1.81	.02	.05	1	13
AI 1550S 10+00E	2	58	20	154	.2	23	26	2309	4.13	36	5	ND	1	36	1	8	2	81	.70	.165	7	25	.78	156	.08	7	2.18	.04	.09	1	5

GEOLOGICAL BRANCH
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LEGEND

- Contact: Defined, Assumed
- Outcrop
- Fault
- Bedding
- Foliation
- Trend of Dike

GEOLOGY

INTRUSIVES - Mesozoic or Younger

- 4A Felsite dike variably carbonatized.
- 4B Megacrystic syenite porphyry dike with trachytic texture. Feldspar crystals up to 6 cm.
- 4C Diorite dike.
- 4D Syenite porphyry
- 4E Sheared and altered syenite.

INTRUSIVES - Permo-triassic ?

- 3A Talc-qtz-carbonate, orange weathering variably containing mariposite.
- 3B Harzburgite variably altered to serpentinite.
- 3C Serpentinite massive, dk black to light green.
- 3D Ribbon chert, variably folded & contorted.
- 3E Quartz eye rhyolite, white weathering.

TAKLA GROUP - Upper Triassic & Jurassic

- 2A Shales & siltstones with minor sulphide beds & minor dacitic tuff horizons.
- 2B Green fine grained dacite flows, tuffs & minor lapilli tuff.
- 2C Conglomerate containing sedimentary & volcanic fragments up to 10 cm. diameter. Variably carbonatized giving a brown weathering appearance. Minor wacke & siltstone with conglomeratic lenses.

CACHE CREEK GROUP - Upper Paleozoic

- 1A Highly foliated grey phyllites with minor argillite & black chert. Contains both cross-cutting & coplanar quartz veins.
- 1B Black argilloceous foliated shale.
- 1C Blue-grey limestone mostly laminated but massive in some areas.
- 1D Light green to dark green silicified volcanic tuffs with minor dacite flows - found mostly at northern end of Axelgold Range.
- 1E Sheared phyllite variably silicified & carbonated especially along foliation planes. Within major fault zones.

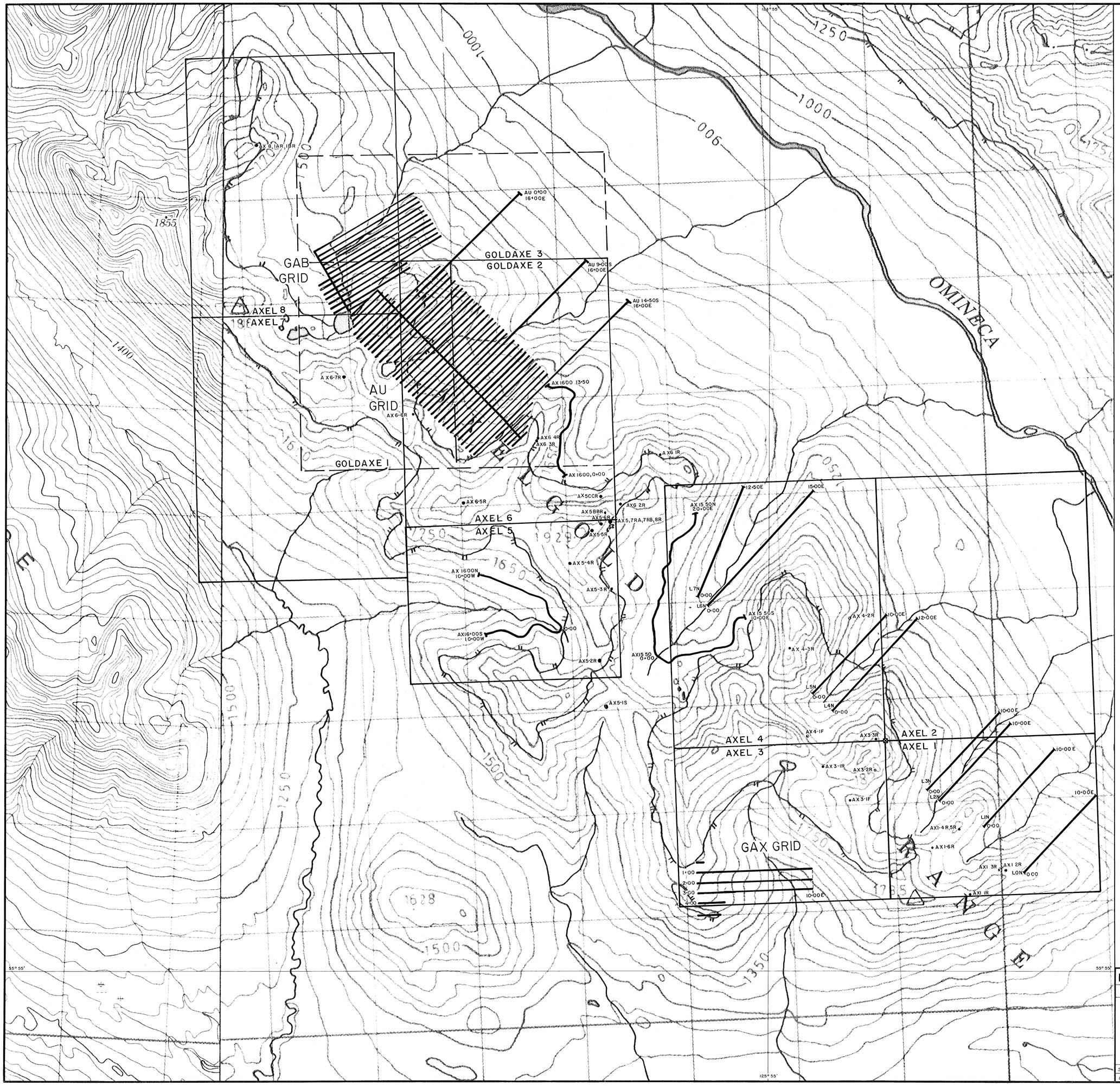
IMPERIAL METALS CORPORATION
AXELGOLD

FIGURE 6

GEOLOGY OF THE SOUTH-CENTRAL AXELGOLD RANGE

Metres 200 0 200 400 600 800 1000 Metres

SCALE: 1:2 500 | GEOLOGIST: A. B. TAYLOR
DATE: NOV. 1986 REVISED JUNE 1987 | DRAWN BY: S.E.H./A.B.T.



LEGEND

- Claim Boundary
- Rock Sample Location
- Soil Sample Line
  NB Samples were taken at 25m. intervals.

50m. contour interval.

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IMPERIAL METALS CORPORATION

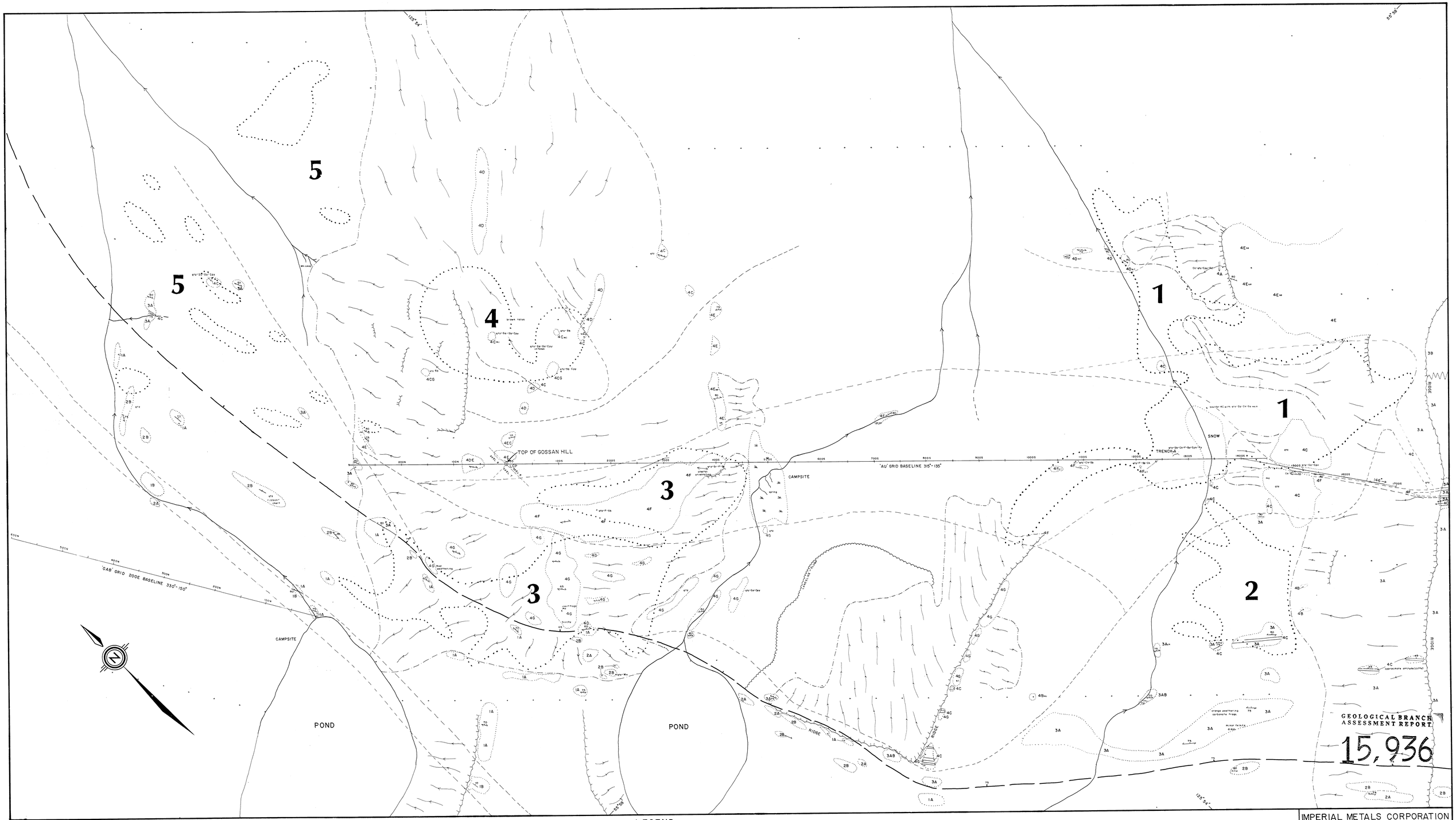
AXELGOLD

FIGURE 5 N.T.S. 93N/13

SAMPLE LOCATION MAP

Metres 200 0 200 400 600 800 1000 Metres

SCALE: 1:12 500	GEOLOGIST: A.B. TAYLOR
DATE: NOVEMBER 1986	DRAWN BY: A.B.T./S.E.H.



SOIL GEOCHEMICAL ANOMALIES I-5
Au>100 ppb

SYMBOLS

Ch	Chalcocite	ss	sericite
Cpy	Chalcopyrite	sil	silicified
F	Fluorite	ch	chlorite
Ga	Galena	mi	mica bearing
Mp	Mariposite	qtz	quartz vein
Py	Pyrite		
Sb	Stibnite		

bedding
foliation
fault
presumed geological contact
outcrop
active horse field
landslide

LEGEND

AXEL INTRUSIVE COMPLEX (Mesozoic or younger)

- 4A Basaltic dike
- 4B Augite syenite, andesite and basalt dikes.
- 4C Felsite, buff weathering, silica and iron carbonate rich, both massive and dike-like.
- 4D Lapilli tuff.
- 4E Sheared and sericitic syenite porphyry, yellow weathering.
- 4F Megacrystic syenite porphyry.
- 4G Dacite porphyry

INTRUSIVE (Late Paleozoic, Trembleur ultramafics)

- 2A Serpentinite
- 2B Quartz-talc-carbonate with mariposite.

TAKLA GROUP (Upper Triassic-Jurassic)

- 3A Conglomerate, variably carbonatized.
- 3B Siltstone and wacke.

CACHE CREEK GROUP (Late Paleozoic)

- 1A Phyllites and metavolcanics.
- 1B Limestone.

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IMPERIAL METALS CORPORATION
AXELGOLD

FIGURE 7 N.T.S. 93N/13

GEOLOGY

0 50 100 150 200 250
meters

SCALE: 1:2000 GEOLOGIST: A.B. TAYLOR
DATE: NOV. 1986 REVISED: JUNE 1987 DRAWN BY: A.B. TAYLOR

'AU' GRID BASELINE

0-00

GAB' GRID 200E BASELINE

000N

N

CONTOUR INTERVALS

1000 ppb

500 ppb

250 ppb

125 ppb

60 ppb

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AXELGOLD

FIGURE 8 N.T.S. 93N/13

Au SOIL GEOCHEMICAL CONTOURS

0 50 100 150 200 250

meters

SCALE 1:2000 GEOLOGIST A.B. TAYLOR

DATE NOV. 1986 DRAWN BY A.B. TAYLOR

3+00N

0+00

'AU' GRID BASELINE

17+00S

6+00N

'GAB' GRID 200E BASELINE

0+00N

CONTOUR INTERVALS

Arsenic	Antimony
1000ppm	500ppm
500ppm	250ppm
250ppm	

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AXELGOLD

FIGURE 9 N.T.S. 93N/13

As, Sb SOIL GEOCHEMICAL CONTOURS

0 50 100 150 200 250
meters

SCALE: 1:2000 GEOLOGIST: A.B. TAYLOR

DATE: DEC. 1986 DRAWN BY: A.B. TAYLOR

3+00N

0+00

'AU' GRID BASELINE

17+00S

6+00N

'GAB' GRID 200E BASELINE

0+00N

CONTOUR INTERVAL

Lead	Zinc
1000 p.p.m.	1000 p.p.m.
500 p.p.m.	500 p.p.m.
250 p.p.m.	250 p.p.m.

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FIGURE 10 N.T.S. 93N/13

Pb, Zn SOIL GEOCHEMICAL CONTOURS

0 50 100 150 200 250
meters

SCALE: 1:2000	GEOLOGIST: A.B. TAYLOR
DATE: DEC. 1986	DRAWN BY: A.B. TAYLOR

3+00N

0+00

'AU' GRID BASELINE

17+00S

6+00N

'GAB' GRID 200E BASELINE

0+00N

CONTOUR INTERVAL

Copper	Molybdenum
1000 ppm	100 ppm
500 ppm	
250 ppm	
125 ppm	

GEOLOGICAL BRANCH
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IMPERIAL METALS CORPORATION

AXELGOLD

FIGURE II N.T.S. 93N/13

Cu, Mo SOIL GEOCHEMICAL CONTOURS

0 50 100 150 200 250
meters

SCALE: 1:2000	GEOLOGIST: A.B. TAYLOR
DATE: DEC. 1986	DRAWN BY: A.B. TAYLOR