SOIL GEOCHEMICAL AND DIAMOND DRILLING ASSESSMENT REPORT AKIE CLAIMS

NTS 94F/7W

Omineca Mining Division

Latitude 57° 22' N
Longitude 124° 51' W

Owners: Ecstall Mining Corporation, Inmet Mining Corporation
Operator: Inmet Mining Corporation

AKIE 96C Group	AKIE 96D Group
Akie 1	Akie 8
Akie 2	Akie 9
Akie 3	Akie 10
Akie 4	Akie 13
Akie 5	Akie 14
Akie 6	Akie 15
Akie 7	Akie 16
Akie 12	Akie 17
Akie 21	

Paul Baxter
Inmet Mining Corporation

May, 1996
Vancouver, B.C.

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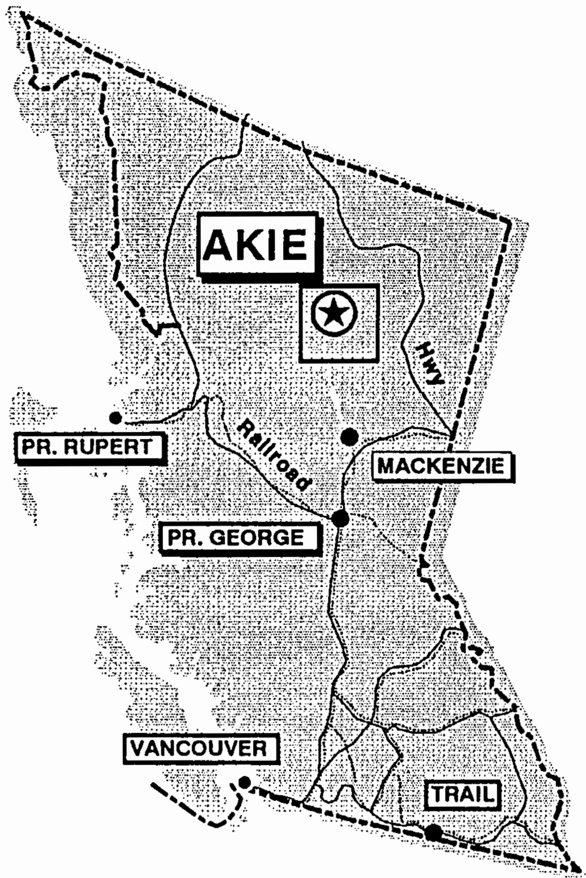
GATAGA PROJECT, AKIE CLAIMS
SOIL GEOCHEMICAL AND DIAMOND DRILLING
ASSESSMENT REPORT

1. INTRODUCTION

In June of 1992, Inmet Mining Corporation (formerly Metall Mining Corporation) optioned the AKIE claims in the southern Gataga district from Ecstall Mining Corporation to assess their potential for hosting a SEDEX-style Ba-Zn-Pb-Ag massive sulphide deposit. A three year program of compilation, soil geochemistry and prospecting resulted in the 1994 discovery of narrow, high grade massive sulfide mineralization in outcrop which was then drill tested to depths of 300m. In 1995, line cutting, soil, geological and geophysical surveys were conducted to further evaluate the property. As well, deep drilling of the defined mineralization continued to intersect the mineralized zone to depths of 700 - 800m below surface. This report describes the results of a 1485 sample, soil geochemical survey and a seven hole, 4949.7m NQ, BQ diamond drilling program carried out on the Akie claims during the period of June 12, 1995 to November 12, 1995.

1.1. Location, Access and Physiography

The AKIE claims are located in the western ranges of the Rocky Mountains, 250 km northwest of MacKenzie, B.C. and 25 km southeast of the Cirque Deposit. (Figure 1) The claims are accessed via helicopter from the Finbow logging camp 35 km to the southwest on the Finlay River. Road access is gradually improving in the area as logging roads are being constructed in the Del Creek water shed. As of 1995, the Del Creek road is within 18 km (direct flight) of the property and acts as a staging area for the mobilization of drilling equipment. Topographic relief on the AKIE claims is moderate to steep with elevations ranging from 850m in the Akie River valley to 1980m on mountain tops. Tree line occurs at approximately 1700 m ASL. The alpine is a mix of talus and grassy slopes. Creek valleys and treed slopes are covered by a dense forest of pine, balsam and spruce.



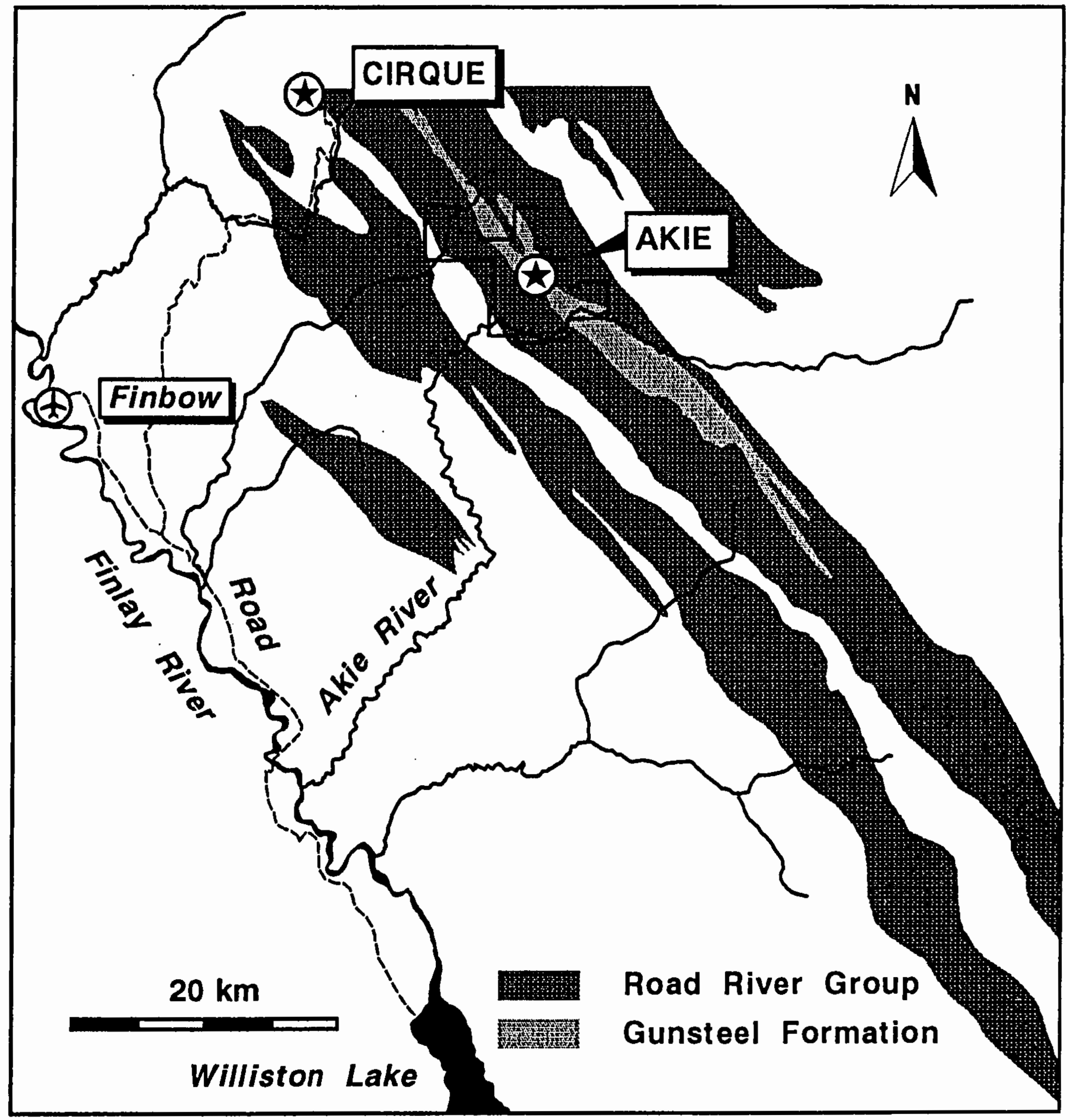


FIGURE 1

AKIE PROJECT LOCATION MAP

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1.2. Mineral Rights

For the described assessment, the AKIE claims have been divided into two groups - AKIE 96C GROUP and AKIE 96D GROUP (Figure 2). The status of these claims is as follows:

AKIE 96C GROUP

Claim	Record No.	Units	Month of Record
AKIE 1	240791	3	June
AKIE 2	240792	6	June
AKIE 3	240793	3	June
AKIE 4	324822	4	April
AKIE 5	324823	16	April
AKIE 6	324824	6	April
AKIE 7	324825	20	April
AKIE 12	329535	20	August
AKIE 21	333352	18	January

AKIE 96D GROUP

Claim	Record No.	Units	Month of Record
AKIE 8	327931	6	July
AKIE 9	327932	12	July
AKIE 10	327933	4	July
AKIE 13	329536	20	July
AKIE 14	329537	15	August
AKIE 15	329538	6	August
AKIE 16	329539	8	August
AKIE 17	330626	16	August

1.3. Previous Work

The AKIE claims were originally staked in 1978 by Rio Canex as part of the Dog claim group to cover an area of anomalous lead in stream sediment silt samples. During the period of 1979 to 1981 geological, soil geochemical and VLF surveys were

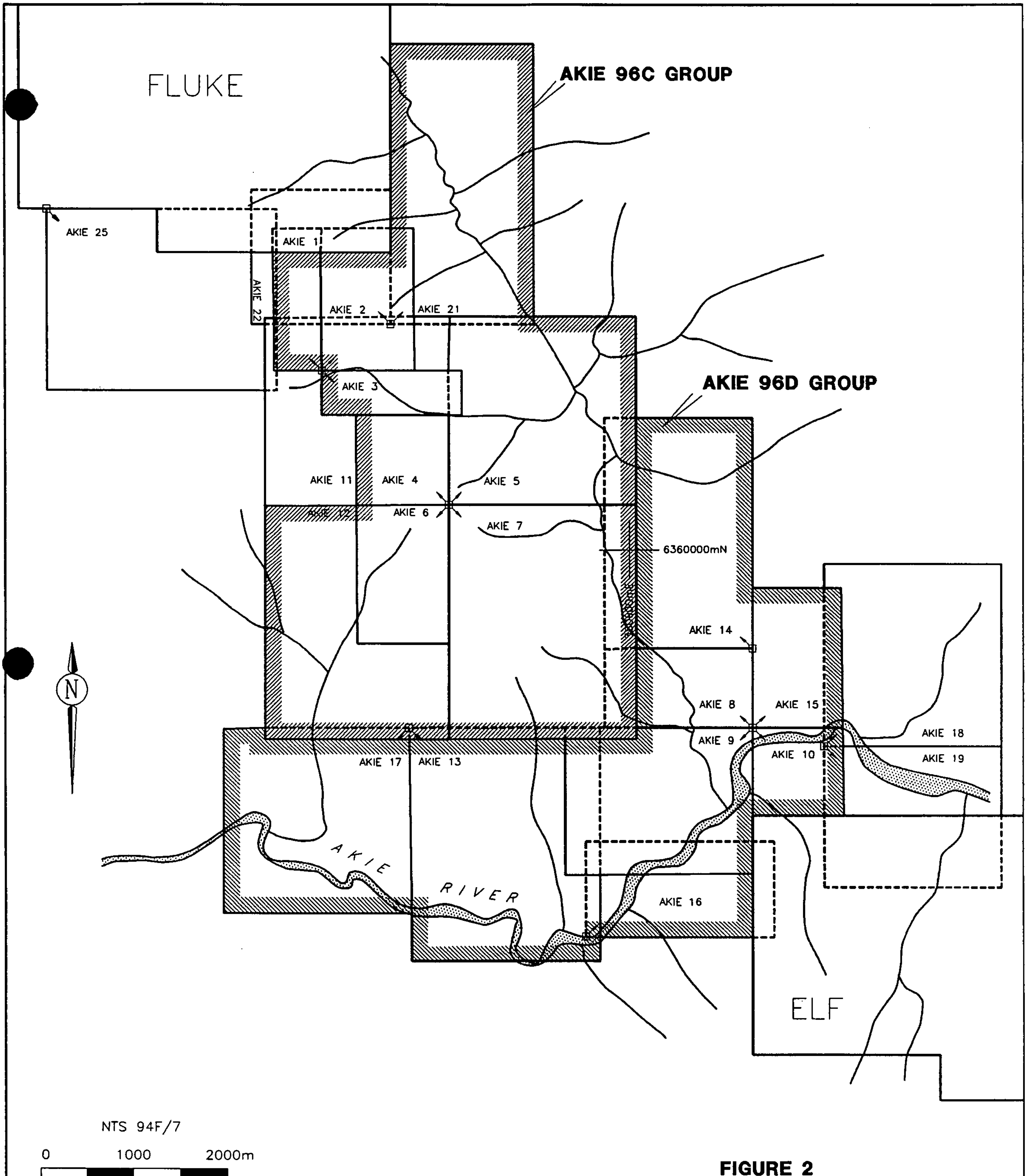

FIGURE 2

GATAGA PROJECT
AKIE CLAIMS

CLAIM CONFIGURATION

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completed. Several zones of anomalous Pb, Zn, Ag and Ba in soils were outlined in areas underlain by Gunsteel Shales, however, no follow-up evaluation of the soil anomalies was done. Mapping and prospecting did discover two zones of nodular barite on the ridge adjacent to the Fluke claims but no base metal mineralization was discovered. In 1985, the Dog claims were allowed to lapse.

During this earlier period of exploration the south Gataga district was also mapped by MacIntyres (1981).

In 1989 Ecstall Mining Corporation staked the Akie 1, 2 and 3 claims adjacent to the southern edge of the Fluke claims and in 1992 optioned the claims to Inmet Mining Corporation. From 1992 to 1994 Inmet Mining Corporation staked additional ground and conducted further soil surveys to define areas of anomalous metal enrichment within the Gunsteel formation. In 1994, prospecting along the trend of the soil anomalies lead to the discovery of narrow high grade massive sulfides in Cardiac Creek (16.0% Zn, 2.8% Pb / 40cm). The new massive sulfide discovery was then drill tested by 12 diamond drill holes defining an 1400m long mineralized sheet tested to depths of 300m below surface. As well, additional ground was staked, the soil grid was extended and the property was covered by a VLF-Resistivity survey.

2. GEOLOGY

2.1. Regional Geology

The AKIE claims occur on the northeastern margin of the Kechika Trough which is the southern extension of the Selwyn Basin - a 1200 km belt of sediments which were deposited off the western edge of ancestral North America. The Kechika Trough is a 180 km long, northwesterly trending belt of Early Cambrian to Triassic sediments which occur in a number of southwest dipping thrust fault slices. A detailed review of the stratigraphy and descriptions of the various formations of the South Gataga area is given by MacIntyre (1992).

Exploration activity in the area has concentrated on stratiform barite-sulphide showings which are hosted in Middle to Upper Devonian shales of the Gunsteel Formation. Notable occurrences in the belt include Driftpile Creek, Mt. Alcock, Elf, Cirque and Akie. The most developed prospect is the Cirque deposit which contains an estimated 38 m Tonnes @ 8.0% Zn and 2.2% Pb.

2.2. Local

The Akie River area has been mapped at 1:50,000 scale by MacIntyre (1981) and a generalized geology map and stratigraphic section are shown in Figures 3 and 4.

The Akie claims are underlain by a northwest trending package of Devonian age shales, siltstones and localized limestones and conglomerate which overlie Silurian age calcareous siltstones of the Road River Group. This package of rocks is folded into a series of both northwest and southeast plunging synforms and antiforms and is in thrust contact to the southwest with Ordovician siltstones, shales, limestones, and minor pyroclastic volcanics of the Road River Group.

Exploration activity on the property is focused within a 400-600 m wide band of black, recessive weathering shale of the Middle-Upper Devonian Gunsteel Formation which has been covered by the main grid. These rocks occur as a narrow northwest trending southwest dipping package which overlies Silurian age Road River calcareous siltstones to the northeast and is in thrust contact to the southwest by Ordovician siltstones, shales and limestones also of the Road River Group.

In 1994, massive sulphide mineralization was discovered on surface at the base of the Gunsteel Formation. Mineralization occurs within several, centimeter scale beds of finely laminated, fine grained massive pyrite-sphalerite-galena interbedded with barren black shales of the Gunsteel Formation. The mineralization is exposed over a width of 6.2m and a continuous chip sample across the widest bed returned 16.0% Zn and 2.8% Pb over 40 cm. The discovery has been called the Cardiac Creek zone which to date has been defined by drilling over a strike length of 1500m and tested to depths of 700-800m below surface.

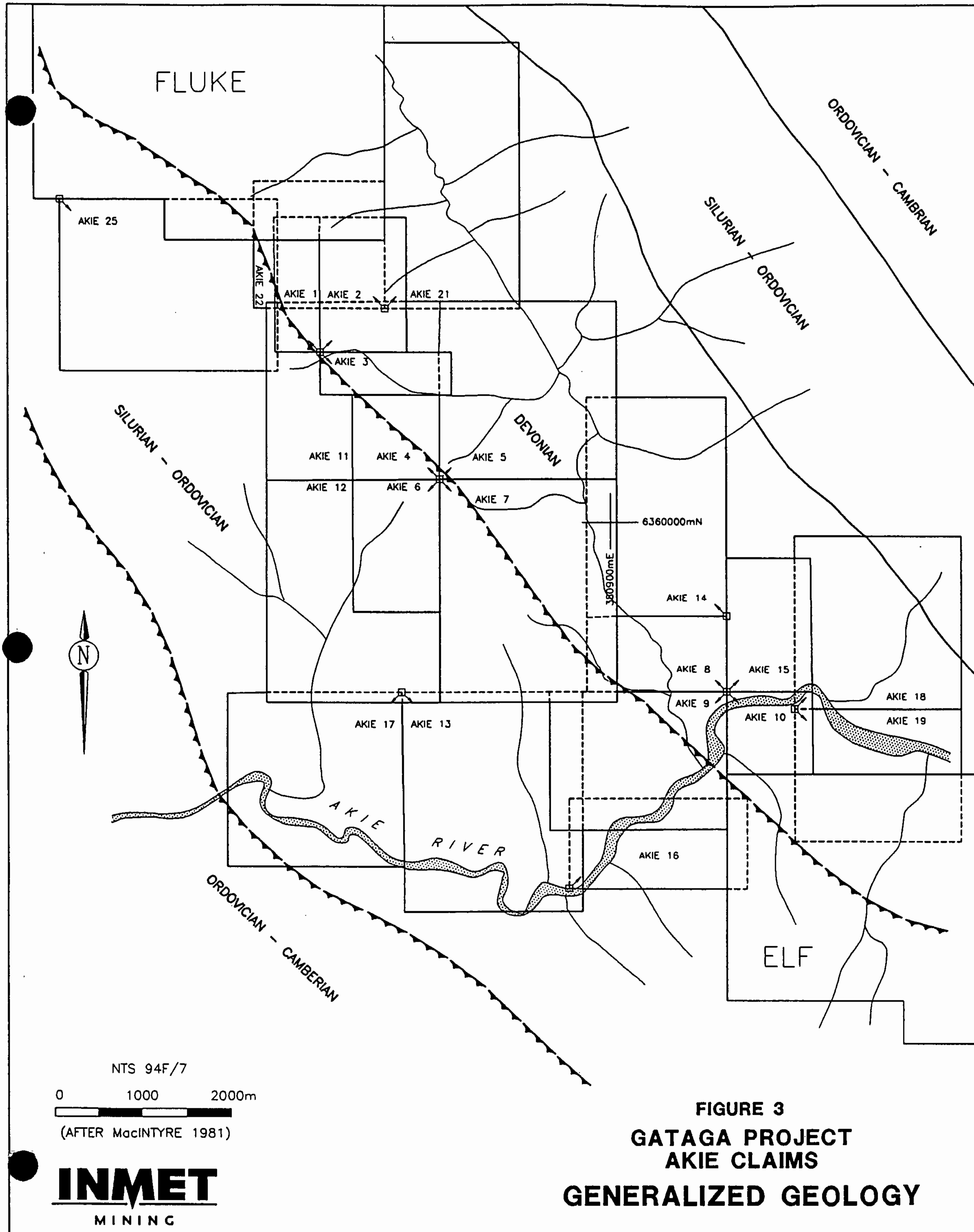
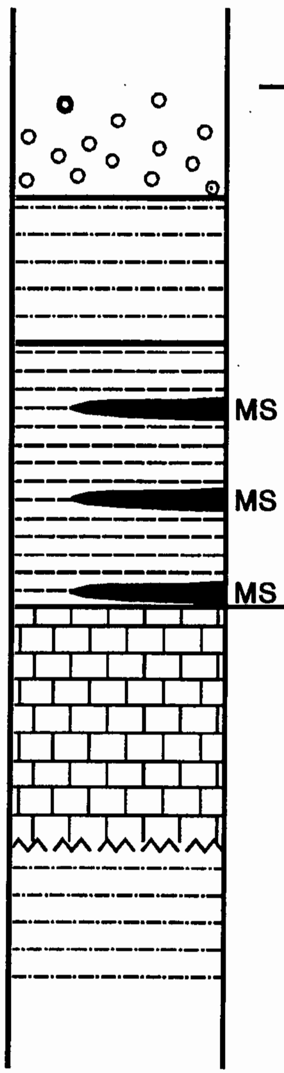


FIGURE 3

GATAGA PROJECT
AKIE CLAIMS

GENERALIZED GEOLOGY

FIGURE 4
GENERALIZED STRATIGRAPHY - SOUTH GATAGA AREA
(after MacIntyre 1992)



FORMATION	AGE	ROCK TYPE	
WARNEFORD	MISSISSIPPIAN UPPER DEVONIAN	CHERT PEBBLE CONGLOMERATE	EARN GROUP
AKIE		SILTSTONE	
GUNSTEEL	MIDDLE - UPPER DEVONIAN	SHALE, BEDDED NODULAR BARITE MASSIVE SULPHIDES	
KWADACHA	LOWER - MIDDLE DEVONIAN	FOSSILIFEROUS LIMESTONE	ROAD RIVER GROUP
	SILURIAN ORDOVICIAN	SHALES, SILTSTONES, CHERTS	

3. SOIL GEOCHEMISTRY

In 1995, 53.15 km of line cutting and the collection of 1664 soil geochemical samples was carried out on the Akie claims in the following areas to :

i) re-establish the grid and re-define the soil anomalies on the north end of the main grid (L600S to L200N), where earlier, less permanent grids (1992 and 1993) had defined an 800m long Pb-Ag anomaly.

ii) continue the main grid and soil coverage to the southeast up to the Elf property along the trend of the previously defined soil anomalies associated with the Cardiac Creek horizon.

iii) evaluate perspective Gunsteel stratigraphy to the east of previous work with widely spaced recconasance soil lines which were extended from the main grid.

Grid lines were established using chain and compass, slope corrected and cleared of brush for ease of access. As the line cutting and soil sampling for lines 600S to 200N has already been claimed in previous assessment reports, the costs of re-establishing the grid and re-soil sampling has not been claimed for again in this report.

3.1. Sampling Procedure

Samples of the B soil horizon were collected at 25 metre intervals along 200 meter spaced cut, flagged and picketed grid lines on the main grid. Reconnaissance grid lines were line extensions of the main soil grid approximately every 600m. Along these reconnaissance lines the B soil horizon was collected also at 25m intervals. The B soil horizon is poorly developed, rocky, grey to brownish grey in colour and occurs at depths ranging between 5 cm and 25 cm below surface. Soil samples of 300 to 500 grams were placed in Kraft paper bags, labeled by grid location, dried in the field and then sent to IPL Labs in Vancouver for analysis. Each sample was analyzed for Pb, Zn, Ag, Ba, Cd, Mn, As and Fe using an ICP technique. Laboratory procedures for sample preparation and analysis are included in Appendix I.

3.2. *Results*

Analytical certificates are included in Appendix II and the 1994 and 1995 soil geochemical data is plotted at 1:10,000 scale on Figures 5a to 5d. Statistical data for all Akie soil sampling is presented in Table 1. Frequency histograms were generated for each element to determine the type of population distribution (normal or log normal). Anomalous values are those greater than mean plus two standard deviations for normal populations or geometric mean plus two standard deviations for log normal populations.

As — In the main grid area line 000N to 400S, two 200m anomalies within Gunsteel shales associated with the Fluke Ridge Pb anomaly. Line 2400S to 2800S a linear anomaly within the Gunsteel formation close to the Cardiac Creek horizon and several other single station anomalies. On the reconnaissance grid, 400S to 800S, 400m anomaly in the Pinstripe shales and rare single station anomalies. The anomaly on line 3150S could be significant as it lies at a shale / Limestone contact.

Ag — From line 200N to 2600S several long linear anomalies which occur east of the property's eastern boundary within Gunsteel equivalent rocks. Rare single station anomalies within the Gunsteel formation on the main grid.

Ba — On the main grid there are several 400 - 800m linear anomalies within the Gunsteel formation and several 800 - 1400m linear anomalies along the Gunsteel - Road River contact from lines 1400S to 4600S. South of the Akie River, from line 7200S to 7400S there is a 200m anomaly which can be extrapolated north of the river up to line 4600S. There are also numerous single station anomalies overlying Gunsteel formation in the main grid area, and one anomalous sample from the South Zinc anomaly area. There are no barium anomalies on any of the reconnaissance lines.

Cd — Large anomalous area east of the base line on lines 4200S to 4600S within the Gunsteel Formation. Line 5400 - 5600S, 200m anomaly at the base of the Gunsteel formation. Several single station anomalies on both the main grid and reconnaissance grid. 1000m linear anomaly within the South Zinc anomaly area.

Mn — Spotty single station anomalies within Gunsteel formation covered by the main grid. South of the Akie River, greater concentration of Mn anomalies mainly within the Road River calcareous siltstones. Several one and two line anomalies within the South Zinc anomaly area.

Fe Line 800S to 1600S narrow linear anomaly along the hangingwall thrust fault. Several one and two station anomalies along this same thrust. Line 4400S to 4600S, 200 m anomaly along the base of the Gunsteel Formation. Several spotty single station anomalies within the Gunsteel Formation.

Pb North end of the main grid on Fluke Ridge, large lead anomaly 1000m x 200m with many soil values over 150 ppm. 1400S to 2800S, three subparallel linear lead anomalies, two within the Gunsteel formation, the most westerly being shorter and weaker and the third anomaly lying proximal to the Gunsteel - Road River contact. Line 4800S to 5800S, linear anomaly within the Gunsteel at or proximal to the Road River contact. Line 6200S to 7000S extrapolation of lead anomaly across the Akie River within the Gunsteel formation with soil value of 697 ppm lead on line 7000S. Line 7200S to 7400S, 200m anomaly within Gunsteel shales. Three single station anomalies within the South Zinc anomaly. No significant anomalies on the reconnaissance grid.

Zn The largest zinc anomaly on the property which also contains some of the highest zinc values (up to 1.12% Zn) lies east of Silver Creek from lines 5200S to 6600S and is referred to as the South Zinc anomaly. This 1500m x 500m anomaly overlies Gunsteel shales at the Gunsteel - Limestone - Road River contact which is the folded equivalent of the Cardiac Creek time horizon. On the main grid, there are several spotty single station anomalies except from line 4200S to 6000S where there is an irregular 400m x 300m anomaly from line 4200S to 4600S, a linear anomaly from 5000S to 5600S along the Gunsteel Road River contact and several single and one line multistation anomalies. On the reconnaissance grid there are very few single station anomalies but the anomalies on lines 800N, 000N and 1400S may be significant as they lie on projected contacts.

Table 1: Akie Soil Geochemical Statistical Data

Element	Units	Min.	Max.	N	Distribution	Mean/Geometric Mean	Standard Deviation	Anomalous Values
As	ppm	2.50	313	2736	Log Normal	1.314	0.408	135
Ag	ppm	0.05	23	2753	Log Normal	-0.381	0.545	5.1
Ba	ppm	122	18,601	2753	Log Normal	3.309	0.260	6745
Cd	ppm	0.05	222.3	2753	Log Normal	-0.542	0.794	11.1
Cu	ppm	3	175	970	Log Normal	1.293	0.259	65
Fe	%	0.33	20.17	2753	Log Normal	0.280	0.223	5.3
Mn	ppm	6	12,186	2753	Log Normal	2.063	0.487	1089
Pb	ppm	1.0	3186	2753	Log Normal	1.540	0.223	97
Zn	ppm	14.0	17,917	2753	Log Normal	2.262	0.372	1014

3.3. Summary of Soil Geochemistry

A summary map of the soil geochemical data is compiled in Figure 6 to identify areas with significant multi-element soil anomalies of a scale indicative of a world class SEDEX Ba - Zn - Pb deposit, or, in the case of the reconnaissance grid, identify those areas which will require further work to define drill targets.

South Zinc Anomaly (A):

The south zinc anomaly is a 1500m x 500m area of highly elevated zinc (up to 1.12% Zn) hosted by the Gunsteel shales proximal to the Gunsteel shale, Limestone, Road River contact which is the folded equivalent of the Cardiac Creek time horizon. This anomaly remains open to the southeast. Within this large zinc anomaly two multi-element linear trends have been defined by spotty Ba, Pb, Cd, Fe, Mn and As anomalies; A1) an 900m Cd, Fe, Mn, As and Pb anomaly and A2) an 1100m Ba, Pb, Cd, Fe and Mn anomaly. This is an excellent drill target which requires further mapping and prospecting to define rock orientations prior to drilling.

Akie Reconnaissance Grid:

Five anomalous areas (H through L) have been identified on the reconnaissance grid which will require additional mapping, prospecting, line cutting and soil sampling to assess their significance and define suitable drill targets.

Anom. H: An 400m Pb, Zn, As, Fe and Cd anomaly on lines 400S to 800S below the 1995 core shack. Exposure in this area is fairly good and additional mapping and prospecting may explain this anomaly.

Anom. I: Zn, Ba and Cd anomaly on line 800N

Anom. J: Zn, Fe, Mn and Cd anomaly on line 1400S along a projected shale - limestone contact. This could be significant as this is probably Cardiac Creek time equivalent.

Anom. K: Ag, Mn and Cd anomaly within Gunsteel shales on line 800S.

Anom. L: An 600m Ag, As, Mn anomaly in Gunsteel shales on line 2600S.

Akie Main Grid (Anomalies B Through G):

Relative to the rest of the property, the western panel of Gunsteel formation that is covered by the Main grid is a highly anomalous shale package and is the prime exploration target on the property. The main grid covers the Cardiac Creek Horizon which occurs at the base of the Gunsteel formation and any soil anomaly associated with this contact should be given a high priority. Several significant soil anomalies have also been defined in the Cardiac Creek hanging wall and are associated with known nodular barite occurrences. Following is a brief description of the major multi-element soil anomalies from the main grid:

Anom. B: The Fluke Ridge Pb anomaly is an 1000m x 200m lead anomaly which overlies Gunsteel shales with local internal barium, arsenic and iron anomalies. This anomaly is partially associated with a narrow nodular barite horizon located on the top of Fluke Ridge as well as potential Pb enrichment in the Cardiac Creek hangingwall which, due to folding, the horizon is not exposed in this area.

Anom. C: A 1800m primarily Pb and Ba anomaly with spotty As, Ag, Cd, Zn and Fe associated with the north end of the Cardiac Creek mineralization and approximately 1km of strike extension grid north along the Gunsteel - Road River contact.

Anom. D: A 1400m discontinuous anomaly made up of smaller Ba and Pb anomalies and spotty Fe and Zn anomalies associated with baritic and pyritic Gunsteel shales. This anomaly may the continuation of anomaly B.

Anom. E: A 1600m to 2200m mainly Pb - Zn anomaly with smaller Ba, Cd, Fe, As, and Ag anomalies representing the southerly strike extension of the Cardiac Creek zone and metal enrichment within the immediate hanging wall.

Anom. F: Primarily a Ba - Pb anomaly with spotty Zn, As, Mn and Fe. The main portion of the anomaly is F1 from line 7200S to 7600S. F1 may be extrapolated across the Akie River to F2, a Ba, Pb, Zn, As, Mn and Fe anomaly on lines 6000S and 6200S which is associated with a nodular barite occurrences. F2 also has a weak continuation north to line 5200S.

Anom. G: Mainly a Mn anomaly from line 7000S to 7600S with spotty Zn. This anomaly occurs along the Gunsteel - Road River contact with spotty enrichment within the Road River.

These six multi-element soil anomalies are at the drill ready stage and require drill testing to assess their significance.

4. DIAMOND DRILLING

In 1995, deep drilling of the Cardiac Creek zone continued to test the mineralization at depth. Seven drill holes totalling 4949.7m were attempted during the 1995 field season with only four holes completed successfully into the zone. As hole A-95-17 has previously been submitted for assessment, its costs will not be included in this report. Table 2 summarizes the 1995 Akie diamond drilling program. Diamond drill logs are included in Appendix III and drill hole locations, horizontal projections and core storage locations are shown in figure 7.

4.1. Results

The 1994 and 1995 diamond drilling programs have defined a relatively simple stratigraphic section which is illustrated in figure 8. Interbedded shale and laminar bedded py-sp-Ba-gn mineralization occurs at the base of the Gunsteel Formation and is underlain by thin, discontinuous units of bedded barite, limestone and limestone-shale-siltstone breccia. The zinc-lead mineralization is overlain by a thick sequence of variably silicified, graphitic black Gunsteel shales which are overthrusted by siltstones and silty shales and limestones of the Road River Group. The Gunsteel Formation is underlain by a very diagnostic, thick, calcareous siltstone interpreted to be of the Road River Group.

Table 2 : AKIE Diamond Drilling Summary

Hole No.	Location	Collar Az.	Collar Dip	Final Depth	Results	
A-95-13	3083S; 190W	050^0	-82^0	818.4m	663.8-673.1:	45% laminar massive sulfides
					663.8-671.5:	2.86% Zn, 0.50% Pb, 6.49 g/t Ag / 7.70m
					701.4-735.8:	Cardiac Creek laminar massive sulfides and shale
					701.4-734.1:	5.52% Zn, 1.08% Pb, 10.45 g/t Ag / 32.7m
A-95-14	3390S; 285W	055^0	-79^0	124.1m		Hole abandoned due to excessive deviation
A-95-15	3390S; 285W	055^0	-84^0	578.2m		Hole abandoned in fault zone.
A-95-16	3820S; 135W	050^0	-83^0	741.3m	601.5-663.0:	Cardiac Creek laminar massive sulfides and shale
					625.3-659.9:	2.47% Zn, 0.49% Pb, 6.20 g/t Ag / 34.60m
A-95-17	2400S; 350W	055^0	-87^0	829.1m	658.0-683.4:	Cardiac Creek shale and laminar massive sulfides
					658.0-662.1:	1.28% Zn, 0.19% Pb, 5.66 g/t Ag / 4.10m
					681.2-683.4:	1.86% Zn, 0.30% Pb, 6.70 g/t Ag / 2.20m
					716.6-813.3:	Shale siltstone limestone breccia.
A-95-18	3385S; 407W	055^0	-87^0	1030.5m	926.2-939.9:	Hanging wall laminar massive sulfides and shale
						2.50% Zn, 0.40% Pb, 5.86 g/t Ag / 13.70m
					978.5-1012.1	Cardiac Creek laminar massive sulfides and shale
					978.5-997.9	5.14% Zn, 0.88% Pb, 9.78 g/t Ag / 19.4m
A-95-19	2830S; 570W	035^0	-88^0	828.1		Hole stopped due to winter conditions, to be completed in 1996.

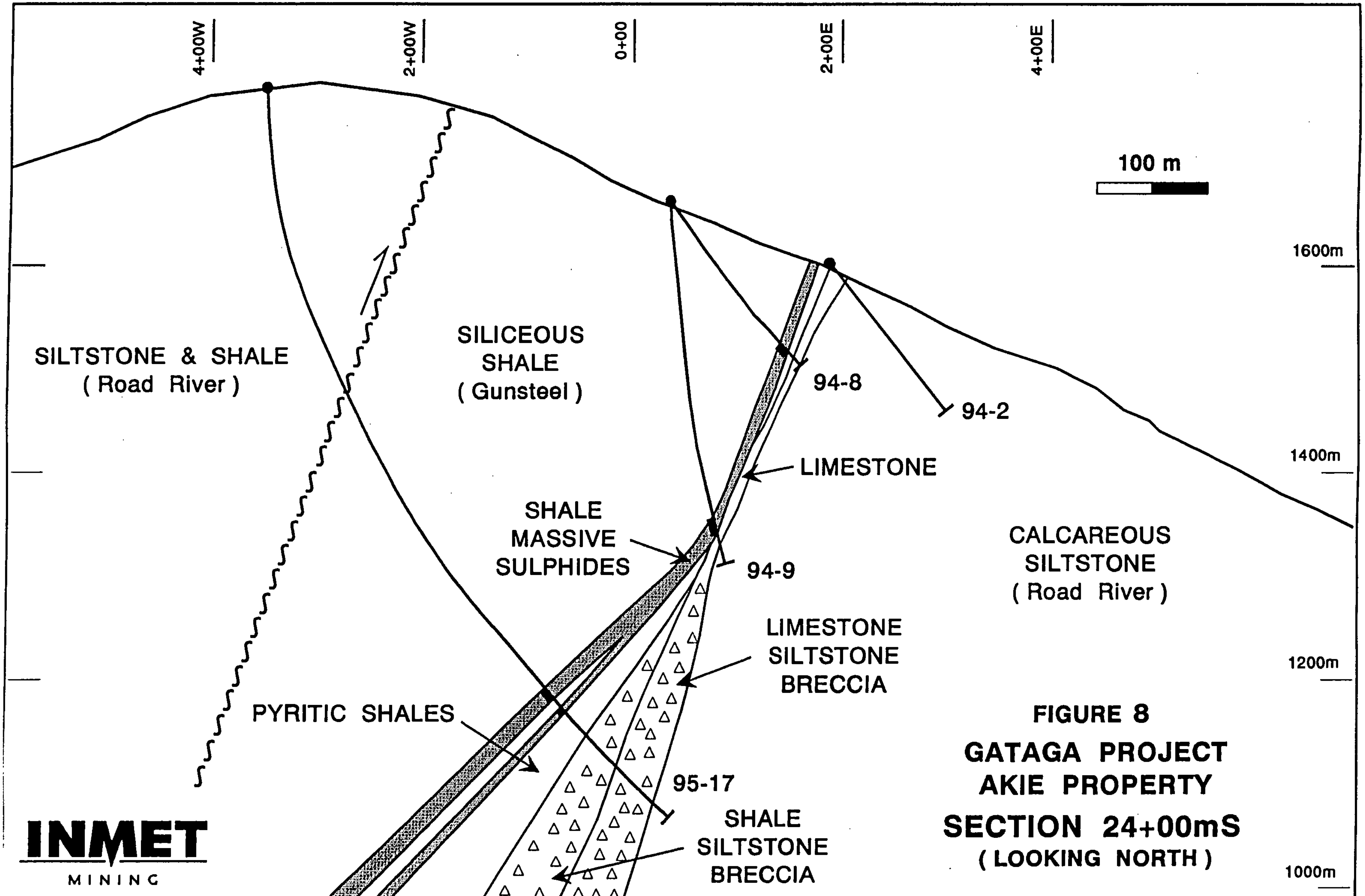


FIGURE 8

GATAGA PROJECT
AKIE PROPERTY
SECTION 24+00mS
(LOOKING NORTH)

Interbedded shale and laminar bedded py-sp-Ba-gn mineralization of the Cardiac Creek Horizon occurs at the base of the Gunsteel Formation. The diamond drilling to date has defined a steeply southwest dipping (70-75^0) zone of interbedded barren siliceous shales and finely laminated baritic massive sulfides comprised of pyrite-sphalerite-galena. The mineralized zone varies from 5 - 30m wide, has been defined over a strike length of 1500m and tested to depths of 600 - 700m below surface. The Cardiac Creek mineralized horizon shows increasing grade and overall sulfide content downdip, however, the overall zinc and lead grades are low. Internal higher grade intervals are returning potentially economic grades and widths as seen in holes 11, 12, 13, and 18. These higher grade intervals are averaging 8.0 - 9.2% zinc and 1.3 - 1.6% lead over widths of approximately 7 meters.

In 1995, deep drilling of the Cardiac Creek zone identified a 3 to 6m wide hanging wall zone of laminar bedded massive sulfide mineralization in holes A-95-13, and 18 approximately 20-30m in the hanging wall of the main zone of mineralization. Zinc grades intersected to date are in the 2.5 to 2.9% range which are very similar to grades intersected in holes A-94-3 and 4. Assuming this new zone will also increase in grade and thickness down dip there is excellent potential to develop two economic zones at depth.

In the footwall of the mineralization, the Gunsteel Formation shows its greatest variability. The 1994 shallow drilling indicated the mineralization was either directly underlain by the Road River calcareous siltstone or underlain by thin discontinuous units of barite, heterolithic breccia or limestone which overly the calcareous siltstone. In 1995, the deeper drilling of the zone identified an increasing sediment influx in the form of an increasing thickness of footwall shale and breccia lithologies under the mineralization and above the Road River calcareous siltstones. This is best shown in figure 8, of section 2400S. Hole A-95-17 intersected the Cardiac Creek zone 220m downdip of hole A-94-9 and intersected a similar stratigraphic succession as defined by previous drilling with several significant footwall variations. 1.) The appearance of a

32.5m zone of interbedded shale and laminar bedded nodular barite and laminar pyrite within the footwall of the zone which was not seen in the updip drilling, and 2.) The rapid appearance of an extremely thick footwall shale-siltstone-limestone and limestone-siltstone breccia which formed as debris was shed from a paleo-escarpment which would be controlled by syndepositional faulting. It is along such a structure that venting of hydrothermal fluids will be focused.

The Gunsteel shales, massive sulfide mineralization and footwall shales and breccias are underlain by a thick homogenous sequence of competent, barren, massive to weakly layered calcareous siltstone of the Middle to Late Silurian Road River Group.

5. CONCLUSIONS AND RECOMMENDATIONS

1994 and 1995 drilling of the Cardiac Creek massive sulfide zone has defined an extensive sheet of mineralization however, overall zinc grades to date are generally low. Increases in metal grades and sulfide content, metal ratios and paleo structure indicators indicate the core of the mineralization and potentially economic grades should lie further downdip. This deep target will be tested in 1996 by the completion of hole A-95-19 and further drilling downdip of holes 13 and 18.

1994 and 1995 soil geochemical surveys have outlined significant multi-element anomalies overlying perspective Gunsteel shales which will require diamond drilling to assess their significance. The majority of these anomalies are within the most westerly band of Gunsteel shales which to date has also seen the most exploration activity. The Cardiac Creek time horizon on strike to the south of the known mineralization represents one of the best drill targets. A coincidental 1800m multi-element soil anomaly associated with this horizon will be drill tested by several holes in 1996. Any weaker anomalies associated with this time horizon should be considered as significant and will require eventual drill testing.

The south zinc soil anomaly represents the largest anomalous area and highest zinc values on the property and its occurrence at the folded repetition of the Cardiac

Creek time horizon represents another high priority drill target. Additional mapping to confirm structural dips will be required prior to drill testing in 1996.

In the hangingwall of the Cardiac Creek time horizon, lead barium soil anomalies associated with known nodular barite occurrences will require drill testing to assess their significance.

Single station multi-element soil anomalies defined on the reconnaissance grid will require tighter line cutting soil sampling mapping and prospecting to assess their significance.

6. COST STATEMENT

1. GEOCHEMISTRY

i.	<u>Helicopter Support</u>: *Northern Mountain Helicopters*		
			$21,098
ii.	<u>Accommodations</u>: *Finbow Logging Camp*		
	117 man days @ $85/man day		$9,945
iii.	<u>Contractor Costs</u>: *Hendex Exploration Services*		
	linecutting and soil sampling		$31,642.90
iv.	<u>Analyses</u>: *IPL Labs*		
	1485 samples @ $8.25/sample		$12,251.25
v.	<u>Air Charters</u>: *NT Air*		
	crew mob/demob, ship samples, freight		$4,538.28
v.	<u>Sample Shipment</u>: *Loomis*		
			$265.75
vi.	<u>Salaries</u>:		
	Paul Baxter	4 days @ $250/day	$1000
	Devin Denboer	1 day @ $200/day	$200
	John Kapusta	5 days @ $250/day	$1250
	Logan Kelly	22 days @ $150/day	$3300
	Jerii Cassidy	4 days @ $150/day	$600
TOTAL			$86,091.18

<u>COST ALLOCATION</u>

AKIE 96C Group: 50%	**$43,045.59**
AKIE 96D Group: 50%	**$43,045.59**

2. DRILLING

i.	<u>Helicopter Support</u>: *Northern Mountain Helicopters*	
	Bell 205 - Drill moves, mob/demob	$90,940
	Hughes 500D - Drill support, shift changes	$341,095.75
ii.	<u>Accommodations</u>: *Finbow Logging Camp*	
	225 man days @ $85/man day	$19,125
iii.	<u>Contractor Costs</u>: *J.T. Thomas Diamond Drilling Ltd.*	
	Falcon Drilling Ltd.	
	A-95-13 to A-95-16, A-95-18 and A-95-19	$548,585
iv.	<u>Analyses</u>: *Min-En Labs*	
	203 Assay samples @ $31.35/sample	$6,364.05
v.	<u>Sample Shipments</u>: *Loomis*	$368.50
vi.	<u>Air Charters</u>: *NT Air*	
	Sample shipment and freight charges	$8,098.87
vii.	<u>Radio Rental</u>: *Falcon Research Ltd.*	
	Hand held FM radio rental	$1,800
viii.	<u>Satellite Telephone</u>: *Infosat Telecommunications.*	
	Satellite Telephone rental	$9,350
vi.	<u>Salaries</u>:	
	Paul Baxter — 89 days @ $250/day	$22,250
	John Kapusta — 38 days @ $250/day	$9,500
	Devin Denboer — 25 days @ $200/day	$5,000
	Logan Kelly — 8 days @ $150/day	$1,200
	Jerii Cassidy — 56 days @ $150/day	$8,400
TOTAL		$1,072,077.17

3. REPORT PREPARATION

Paul Baxter	10 days @ $250/day	$2,500
Sel Gokool (drafting)	4 days @ $200/day	$800
Map photocopying		$62.50
TOTAL		$3,512.50

<u>COST ALLOCATION</u>

AKIE 96C Group 50%	**$1756.25**
AKIE 96D Group 50%	**$1756.25**

7. REFERENCES

Baxter, P., 1994. Soil Geochemical, Geophysical and Diamond Drilling Assessment Report, Akie Claims, NTS 94F/7W

MacIntyre, D.G., 1981. Geology of the Akie River Ba-Pb-Zn mineral district. B.C.M.E.M.P.R., Preliminary Map 44.

MacIntyre, D.G., 1992. Geological Setting and Genesis of Sedimentary Exhalative Barite and Barite-Sulphide Deposits, Gataga District, Northeastern British Columbia. Exploration and Mining Geology, Vol. 1, No. 1, pp 1-20.

Wells, G.S., 1992. Geochemical Assessment Report, AKIE claims, NTS 94F/7.

Wells, G.S., 1993. 1993 Summary Report, Gataga Project, YN, PIE and Akie Claims, Inmet Mining Corporation, company report.

8. STATEMENT OF QUALIFICATIONS

I, Paul Baxter certify that:

1. I hold a bachelor of Science degree, Honours Geology (1985) from the University of Alberta, Edmonton, Alberta.

2. I am a registered Professional Geologist with the Association of Professional Engineers, Geologists and Geophysicists of Alberta.

3. I have practiced my profession in exploration since 1986.

4. I have been a contract employee with Inmet Mining Corporation (Minnova Inc. And Metall Mining Corporation) since 1988 and a full-time employee since 1994.

5. I personally carried out or supervised the work described in this report.

Paul Baxter

Paul Baxter
Vancouver, B.C.

Date: May 27/96

I, John D. Kapusta, certify that:

1. I am a resident of British Columbia, residing at 7260 Gilhurst Crescent, Richmond, V7A 1N9.

2. I am a graduate of the University of Manitoba, 1981 with a B.Sc. degree in Geology.

3. I have practiced my profession on a full time basis since 1981.

4. I am a fully qualified geologist, registered as a Professional Geoscientist with the Association of Professional Engineers and Geoscientists of the Province of British Columbia.

5. I have been employed by Inmet Mining Corporation as a full time employee since 1988.

I, Devin Denboer certify that:

1. I hold a bachelor of Science degree, Specialization Geology (1995) from the University of British Columbia, Vancouver, B.C..

2. I have been involved in mineral exploration for four summers.

3. I have been a seasonal contract employee with Inmet Mining Corporation (Metall Mining Corporation) from 1993 to 1995.

APPENDIX I

IPL LABORATORY PROCEDURES

iPL
INTERNATIONAL PLASMA LABORATORY LTD.

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Method of sample preparation for Soil or Silt

(a) Water content in sample is removed by convection in a low temperature dryer (T < 60 Degrees C.).

(b) Dried samples are passed through an 80 mesh sieve. The minus 80 mesh fraction is transferred to a new bag for subsequent analyses. The plus 80 mesh fraction is discarded unless otherwise instructed.

(c) If an insufficient amount of sample is less than 80 Mesh, the entire sample is passed through a 35 Mesh screen. The -35 Fraction is then pulverized and used as the portion for analyses.

QUALITY CONTROL

Cross contamination is minimized by constant cleaning of preparation equipment with high velocity compressed air. Ring pulverizers are cleaned with a quartz sand charge.

iPL
International Plasma Laboratory Ltd.

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Fax (604) 879-7898

Method of ICP Multi-element Analyses

(a) 0.50 grams of sample is digested with diluted aqua regia solution by heating in a hot water bath for 90 minutes, then cooled, bulked up to a fixed volume with demineralized water, and thoroughly mixed.

(b) The specific elements are determined using an Inductively Coupled Argon Plasma spectrophotometer. All elements are corrected for inter-element interference. All data are subsequently stored onto computer diskette.

- Aqua regia leaching is partial for Al, Ba, Ca, Cr, K, La, Mg, Na, Sc, Sn, Sr, Th, Ti, W and Zr.

QUALITY CONTROL

The machine is first calibrated using six known standards and a blank. The test samples are then run in batches.

A sample batch consists of 38 or less samples. Two tubes are placed before a set. These are an Inhouse standard and an acid blank, which are both digested with the samples. A known standard with characteristics best matching the samples is chosen and placed after every fifteenth sample. After every 38th sample (not including standards), two samples, chosen at random, are reweighed and analysed. At the end of a batch, the standard and blank used at the beginning is rerun. The readings for these knowns are compared with the pre-rack knowns to detect any calibration drift.

APPENDIX II

IPL 1995 SOIL GEOCHEMICAL

ANALYTICAL CERTIFICATES

iPL
INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 95F2801

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client: Inmet Mining Corporation   iPL: 95F2801   Out: Jul 05, 1995   Section 1 of 1
Project: 677   434 Soil   In: Jun 28, 1995   [040114:32:33:59070595]   Certified BC Assayer: David Chiu

Sample Name		Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L 06+00S 04+00E	S	0.3	71	98	20	<	4622	34	1.63
L 06+00S 04+25E	S	0.4	40	77	9	<	3553	35	1.29
L 06+00S 04+50E	S	0.4	33	74	10	<	3364	44	1.12
L 06+00S 04+75E	S	0.5	24	73	14	<	2068	37	1.21
L 06+00S 00+25W	S	0.7	64	183	22	0.2	5199	263	1.81
L 06+00S 00+50W	S	1.5	111	118	24	<	7413	54	1.38
L 06+00S 00+75W	S	1.9	84	61	24	<	4914	47	1.61
L 06+00S 01+00W	S	0.9	88	99	22	<	3854	53	2.88
L 06+00S 01+25W	S	0.6	77	321	26	<	4082	736	3.39
L 06+00S 01+50W	S	0.2	31	199	24	<	6632	91	3.11
L 06+00S 01+75W	S	0.2	29	331	14	1.3	4051	465	2.81
L 06+00S 02+00W	S	0.5	31	186	14	0.1	3938	208	2.45
L 06+00S 02+25W	S	0.3	29	216	13	0.6	1892	298	2.76
L 06+00S 02+50W	S	0.3	39	134	13	<	2934	254	2.20
L 06+00S 02+75W	S	0.4	36	230	9	1.1	2424	574	2.77
L 06+00S 03+00W	S	0.4	31	172	11	0.4	1989	318	2.04
L 06+00S 03+25W	S	0.3	26	134	14	0.2	2451	344	2.58
L 06+00S 03+50W	S	0.6	31	174	15	0.5	2440	371	2.54
L 06+00S 03+75W	S	0.3	26	133	10	<	1261	469	2.91
L 06+00S 04+00W	S	0.4	33	158	16	0.3	1583	747	2.90
L 06+00S 04+25W	S	0.2	22	102	14	0.8	844	410	2.44
L 06+00S 04+50W	S	1.3	38	321	20	2.6	2113	467	3.81
L 06+00S 05+00W	S	0.2	41	78	26	<	1965	70	1.49
L 60+00S 04+25E	S	0.8	25	143	11	0.1	1527	320	2.41
L 60+00S 04+50E	S	0.2	23	125	13	<	1748	88	1.60
L 60+00S 04+75E	S	<	25	102	14	<	1692	85	1.52
L 60+00S 05+00E	S	<	32	357	20	<	1889	125	1.99
L 60+00S 05+25E	S	<	20	116	8	<	1049	106	1.78
L 60+00S 05+75E	S	0.5	18	278	<	2.3	1526	201	1.62
L 60+00S 06+00E	S	0.5	16	299	5	3.6	1225	219	1.48
L 60+00S 06+25E	S	0.4	12	341	6	8.2	1120	443	1.28
L 60+00S 06+50E	S	0.7	31	316	7	1.5	2099	352	2.37
L 60+00S 06+75E	S	1.0	25	580	8	3.5	1542	399	2.11
L 60+00S 07+00E	S	0.1	25	287	9	0.2	1593	250	2.53
L 60+00S 07+25E	S	0.2	27	234	11	<	1652	238	2.57
L 60+00S 07+50E	S	<	22	275	<	<	855	146	1.73
L 60+00S 07+75E	S	0.3	23	306	13	0.4	1237	178	2.30
L 60+00S 08+00E	S	0.4	17	188	7	1.0	1139	262	1.73
L 60+00S 08+25E	S	0.1	23	214	8	<	1284	113	1.91
Min Limit		0.1	2	1	5	0.1	2	1	0.01
Max Reported*		100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method		ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

MISSING

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 95F2801

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client: Inmet Mining Corporation   iPL: 95F2801   Out: Jul 05, 1995   Section 1 of 1
Project: 677   434 Soil   In: Jun 28, 1995   [040114:32:39:59070595]   Certified BC Assayer: David Chiu

Sample Name		Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L 60+00S 08+50E	S	0.1	29	872	5	1.2	1208	144	1.86
L 60+00S 08+75E	S	0.2	34	427	8	2.1	1460	459	2.30
L 60+00S 09+00E	S	0.2	27	1098	7	1.0	1183	329	1.98
L 60+00S 09+25E	S	0.2	33	835	6	5.1	1244	411	1.84
L 60+00S 09+50E	S	0.2	25	404	13	3.6	1204	217	2.68
L 60+00S 10+00E	S	0.3	33	2593	18	14.5	1367	395	2.61
L 60+00S 10+25E	S	0.3	33	5441	14	28.9	1547	875	2.51
L 60+00S 10+50E	S	3.0	35	467	12	2.6	2521	279	2.94
L 60+00S 11+00E	S	1.4	31	3508	12	32.4	2045	501	2.58
L 60+00S 11+25E	S	0.5	35	854	24	3.6	1321	355	4.79
L 60+00S 12+00E	S	1.0	34	4483	20	32.9	1809	419	4.22
L 60+00S 12+25E	S	0.3	30	1280	13	9.3	1760	232	2.36
L 60+00S 12+50E	S	0.4	29	2870	31	16.1	1341	705	4.12
L 60+00S 12+75E	S	0.5	30	3585	36	11.8	2087	362	8.4%
L 60+00S 13+00E	S	0.1	4	373	<	8.3	77	9	0.10
L 60+00S 13+25E	S	<	17	3969	5	92.7	480	148	0.51
L 60+00S 13+50E	S	0.1	49	1499	17	13.6	6565	261	2.12
L 60+00S 13+75E	S	0.2	23	1529	<	49.9	336	75	0.32
L 60+00S 14+00E	S	0.1	46	1196	15	10.5	4547	225	1.97
L 60+00S 14+50E	S	0.2	37	405	17	2.8	2544	178	2.11
L 60+00S 14+75E	S	0.4	43	1604	20	19.6	2822	1383	2.65
L 60+00S 15+00E	S	0.8	29	2550	6	8.0	1813	408	2.30
L 62+00S 04+25E	S	6.5	95	621	21	1.6	1701	110	2.65
L 62+00S 04+50E	S	0.4	91	798	24	1.8	1508	181	2.98
L 62+00S 04+75E	S	0.4	25	517	12	0.8	1593	255	1.64
L 62+00S 05+00E	S	0.3	28	390	14	0.2	1717	157	1.95
L 62+00S 05+25E	S	1.9	30	326	19	0.5	2688	397	2.53
L 62+00S 05+50E	S	0.3	24	276	16	0.1	1784	196	1.86
L 62+00S 05+75E	S	0.1	23	290	7	<	1506	162	1.68
L 62+00S 06+00E	S	<	26	191	6	0.4	1108	523	2.74
L 62+00S 06+25E	S	0.3	28	174	11	<	952	754	2.34
L 62+00S 06+50E	S	0.1	23	148	10	<	1004	408	1.88
L 62+00S 06+75E	S	0.8	24	132	<	0.4	1064	617	2.03
L 62+00S 07+00E	S	0.6	21	102	9	<	1018	239	1.50
L 62+00S 07+25E	S	0.4	26	144	10	0.2	1970	486	2.15
L 62+00S 07+50E	S	0.2	23	143	<	<	939	475	2.16
L 62+00S 07+75E	S	0.1	24	282	6	<	773	424	2.03
L 62+00S 08+00E	S	<	23	132	<	<	941	300	2.03
L 62+00S 08+25E	S	<	19	114	6	<	821	117	2.13
Min Limit		0.1	2	1	5	0.1	2	1	0.01
Max Reported*		100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method		ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

INTERNATIONAL PLASMA LABORATORY LTD

CERTIFICAT[illegible]F ANALYSIS
iPL[illegible]5F2801

2036 Columbi[illegible]treet
Vancouver, [illegible]
Canada V5Y [illegible]
Phone (604) 879-7878
Fax (604) 879-7898

Client: Inmet Mining Corporation iPL: 95F2801 Out: Jul 05, 1995 Section 1 of 1
Project: 677 434 Soil In: Jun 28, 1995 [040114:32:45:59070595] Certified BC Assayer: David Chiu

Sample Name		Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L 62+00S 08+50E	S	0.1	29	160	15	<	1199	136	2.49
L 62+00S 08+75E	S	<	24	135	13	<	1585	60	1.37
L 62+00S 09+00E	S	<	26	206	9	0.1	1422	225	2.23
L 62+00S 09+25E	S	0.2	22	853	7	2.5	1361	169	2.17
L 62+00S 09+50E	S	0.6	198	355	11	2.9	1888	372	2.40
L 62+00S 09+75E	S	0.3	28	384	15	2.7	1793	402	2.85
L 62+00S 10+00E	S	0.7	29	257	14	1.3	2603	314	2.25
L 62+00S 10+25E	S	1.1	37	802	<	4.0	1959	627	3.36
L 62+00S 10+50E	S	2.9	37	291	15	2.5	2689	719	3.17
L 62+00S 10+75E	S	1.0	35	652	10	14.7	1919	210	1.81
L 62+00S 11+00E	S	0.3	36	911	15	8.1	1966	247	2.87
L 62+00S 11+25E	S	0.5	30	1539	9	18.4	1868	282	2.60
L 62+00S 11+50E	S	0.5	29	781	10	16.6	1681	405	2.48
L 62+00S 11+75E	S	1.9	32	973	15	5.8	1986	353	2.83
L 62+00S 12+00E	S	1.1	32	1437	35	4.4	2224	1606	3.21
L 62+00S 12+25E	S	0.3	35	552	20	5.3	2248	246	3.11
L 62+00S 12+50E	S	0.8	33	3417	19	31.1	2273	427	2.66
L 62+00S 13+25E	S	0.4	34	3311	30	30.7	1866	374	6.6%
L 62+00S 13+75E	S	1.0	33	3535	48	19.9	1380	481	4.56
L 62+00S 14+00E	S	1.1	37	2170	55	9.3	1730	4100	6.6%
L 62+00S 14+25E	S	0.5	32	956	37	6.9	3000	180	3.62
L 62+00S 14+50E	S	1.0	40	5231	28	34.4	3029	476	2.38
L 62+00S 14+75E	S	0.3	45	2964	13	44.5	1750	667	1.85
L 64+00S 01+50E	S	1.1	31	551	17	3.6	3003	205	2.11
L 64+00S 01+75E	S	1.3	30	313	16	2.1	2679	422	2.46
L 64+00S 02+00E	S	0.5	27	151	<	0.4	1524	433	3.06
L 64+00S 02+25E	S	0.3	26	107	8	0.5	1162	425	2.44
L 64+00S 02+50E	S	0.4	31	142	11	<	1201	545	3.55
L 64+00S 02+75E	S	0.5	25	166	9	0.7	1116	436	2.60
L 64+00S 03+00E	S	0.3	25	270	16	1.6	2057	355	2.41
L 64+00S 03+25E	S	1.3	41	436	29	14.9	2359	330	2.60
L 64+00S 03+50E	S	0.8	31	487	13	5.8	1966	400	1.85
L 64+00S 04+00E	S	0.8	41	3751	13	21.2	2214	419	2.39
L 64+00S 04+25E	S	1.2	71	1404	41	15.4	2813	705	2.75
L 64+00S 04+50E	S	0.6	206	1715	46	40.9	2902	729	3.08
L 64+00S 04+75E	S	0.2	23	290	11	<	1313	344	1.45
L 64+00S 05+00E	S	0.7	25	136	10	0.8	1424	398	1.92
L 64+00S 05+25E	S	0.3	30	249	14	2.7	1305	625	1.97
L 64+00S 05+50E	S	0.6	22	197	9	0.8	1356	310	2.49
Min Limit		0.1	2	1	5	0.1	2	1	0.01
Max Reported*		100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method		ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

---=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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CERTIFICATE OF ANALYSIS
iPL 95F2801

Client: Inmet Mining Corporation   iPL: 95F2801   Out: Jul 05, 1995   Section 1 of 1
Project: 677   434 Soil   In: Jun 28, 1995   [040114:32:52:59070595]   Certified BC Assayer: David Chiu

Sample Name		Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L 64+00S 05+75E	S	0.3	26	201	9	1.2	1332	413	2.55
L 64+00S 06+00E	S	0.7	27	152	9	0.6	1962	270	1.58
L 64+00S 06+25E	S	0.8	33	206	<	<	1508	443	3.04
L 64+00S 06+50E	S	0.3	30	123	9	<	1155	387	2.88
L 64+00S 06+75E	S	<	36	84	<	<	1154	317	2.66
L 64+00S 07+00E	S	<	31	80	7	<	956	744	2.16
L 64+00S 07+25E	S	<	27	127	13	<	2010	103	1.87
L 64+00S 07+50E	S	<	23	251	10	0.2	1416	226	1.82
L 64+00S 07+75E	S	<	33	188	14	<	987	210	2.86
L 64+00S 08+00E	S	<	26	197	11	<	918	162	2.35
L 64+00S 08+25E	S	<	30	163	5	<	876	164	1.92
L 64+00S 08+50E	S	<	24	328	13	<	750	204	1.99
L 64+00S 08+75E	S	0.1	24	106	<	<	911	80	1.52
L 64+00S 09+00E	S	<	25	109	10	<	891	115	1.72
L 64+00S 09+25E	S	<	27	213	9	<	1062	190	1.95
L 64+00S 09+50E	S	0.1	25	236	12	<	1125	163	2.18
L 64+00S 09+75E	S	<	19	124	10	<	910	72	1.02
L 64+00S 10+00E	S	<	25	115	7	<	984	117	1.65
L 64+00S 10+25E	S	0.2	28	213	<	0.1	1465	236	2.25
L 64+00S 10+50E	S	0.1	30	196	15	<	1471	260	2.64
L 64+00S 10+75E	S	0.4	27	228	23	1.1	1378	195	2.64
L 64+00S 11+00E	S	0.2	28	204	12	<	1265	300	2.80
L 64+00S 11+25E	S	0.1	23	227	16	<	1335	180	2.08
L 64+00S 11+50E	S	<	26	224	14	<	1676	115	2.44
L 64+00S 11+75E	S	0.1	24	249	10	<	1491	102	2.22
L 64+00S 12+00E	S	<	20	81	11	<	823	45	0.89
L 64+00S 12+25E	S	0.2	37	216	19	0.4	1572	335	3.46
L 64+00S 12+50E	S	0.6	32	321	16	1.3	1609	362	3.36
L 64+00S 12+75E	S	0.5	33	291	14	3.3	1967	528	2.61
L 64+00S 13+75E	S	0.5	29	3332	19	31.0	1799	398	2.59
L 64+00S 14+00E	S	0.8	36	2368	15	9.3	1313	880	3.00
L 64+00S 14+75E	S	0.8	40	1754	15	11.6	2171	531	3.68
L 64+00S 15+00E	S	1.3	37	1075	16	5.0	2023	311	2.47
L 64+00S 01+00W	S	0.3	38	462	21	4.0	2181	474	2.83
L 64+00S 01+25W	S	1.5	29	420	15	3.3	2676	316	2.13
L 64+00S 01+50W	S	0.7	35	636	19	5.0	3113	242	2.30
L 64+00S 01+75W	S	1.5	34	666	22	3.3	3202	272	2.47
L 64+00S 02+00W	S	0.4	34	399	15	2.3	2288	213	2.32
L 64+00S 02+25W	S	0.5	32	421	17	3.4	2532	410	2.37
Min Limit		0.1	2	1	5	0.1	2	1	0.01
Max Reported*		100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method		ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

International Plasma Lab Ltd. 2036 Columbia St. Vancouver BC V5Y 3E1 Ph:604/879-7878 Fax:604/879-7898

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICAT OF ANALYSIS
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Fax (604) 879-7898

Client: Inmet Mining Corporation iPL: 95F2801 Out: Jul 05, 1995 Section 1 of 1
Project: 677 434 Soil In: Jun 28, 1995 [040114:32:58:59070595] Certified BC Assayer: David Chiu

Sample Name		Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L 64+00S 02+50W	S	<	39	390	20	1.7	2026	257	2.35
L 66+00S 07+50E	S	0.3	21	103	10	0.1	788	375	1.89
L 66+00S 07+75E	S	0.1	32	77	8	<	957	137	1.46
L 66+00S 08+00E	S	<	28	268	9	1.0	1162	581	2.07
L 66+00S 08+25E	S	<	20	190	8	<	758	235	1.20
L 66+00S 08+50E	S	<	27	203	11	0.6	844	1154	1.69
L 66+00S 08+75E	S	<	27	315	5	<	979	996	1.52
L 66+00S 09+00E	S	<	26	232	12	<	1041	729	1.59
L 66+00S 09+25E	S	0.1	16	78	7	<	887	108	1.20
L 66+00S 09+50E	S	<	24	209	8	<	1212	505	2.04
L 66+00S 09+75E	S	<	28	204	14	<	1181	290	2.45
L 66+00S 10+00E	S	<	24	249	11	<	905	223	1.57
L 70+00S 01+00E	S	0.3	34	569	12	2.4	5540	251	1.99
L 70+00S 01+25E	S	0.2	25	295	10	0.7	1609	360	1.86
L 70+00S 01+50E	S	0.1	15	72	5	0.4	608	338	1.49
L 70+00S 01+75E	S	0.1	16	86	8	0.3	713	245	1.60
L 70+00S 02+25E	S	0.3	23	399	10	2.1	1285	599	1.69
L 70+00S 02+50E	S	1.1	71	666	30	2.7	3909	221	2.61
L 70+00S 03+00E	S	0.1	47	529	20	2.3	1096	457	2.99
L 70+00S 03+25E	S	0.8	71	1228	25	10.9	2800	646	2.17
L 70+00S 03+50E	S	0.3	27	225	15	1.9	840	588	1.70
L 70+00S 03+75E	S	0.3	28	234	9	0.6	1021	728	2.04
L 70+00S 04+00E	S	0.2	20	304	9	0.3	797	314	1.47
L 70+00S 04+25E	S	<	25	208	17	0.3	818	816	2.25
L 70+00S 04+50E	S	0.2	23	252	13	<	944	579	2.15
L 70+00S 04+75E	S	0.1	22	303	10	<	474	403	1.34
L 70+00S 05+00E	S	0.2	16	139	6	0.4	744	443	1.34
L 70+00S 05+25E	S	1.3	697	924	8	3.8	3286	655	2.00
L 70+00S 05+75E	S	0.2	12	223	5	2.0	1214	516	0.35
L 70+00S 06+25E	S	0.1	24	1560	12	1.5	1398	492	2.24
L 70+00S 06+50E	S	0.1	19	492	13	1.4	1404	423	1.51
L 70+00S 06+75E	S	0.1	51	335	5	1.0	1144	467	1.41
L 70+00S 07+00E	S	0.2	20	335	5	1.6	1050	499	1.44
L 70+00S 07+25E	S	0.1	31	92	10	0.7	762	1857	2.17
L 70+00S 07+50E	S	0.1	23	106	9	<	783	547	1.81
L 70+00S 07+75E	S	<	14	106	5	0.7	539	113	1.05
L 70+00S 08+00E	S	<	31	84	9	<	657	316	3.41
L 70+00S 08+25E	S	<	25	170	9	0.5	711	883	1.45
L 70+00S 08+50E	S	<	13	63	8	<	788	341	1.18
Min Limit		0.1	2	1	5	0.1	2	1	0.01
Max Reported*		100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method		ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

—=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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CERTIFICATE OF ANALYSIS
iPL 95F2801

Client: Inmet Mining Corporation   iPL: 95F2801   Out: Jul 05, 1995   Section 1 of 1
Project: 677   434 Soil   In: Jun 28, 1995   [040114:33:04:59070595]   Certified BC Assayer: David Chiu

Sample Name		Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L 70+00S 08+75E	S	<	15	91	9	<	1045	123	1.19
L 70+00S 09+00E	S	<	21	120	11	<	979	174	2.32
BL 72+00S 00+00	S	<	39	235	15	1.8	2535	303	2.98
L 72+00S 00+25E	S	<	31	220	15	0.5	3154	259	2.13
L 72+00S 00+50E	S	<	25	261	15	0.3	2540	72	0.88
L 72+00S 00+75E	S	1.4	205	1043	68	6.2	7330	229	3.38
L 72+00S 01+00E	S	0.1	19	257	5	6.3	1165	494	1.32
L 72+00S 01+25E	S	0.2	16	135	10	0.6	1533	369	1.07
L 72+00S 01+50E	S	0.5	94	434	29	0.9	7838	168	2.00
L 72+00S 01+75E	S	0.6	36	144	16	0.9	1696	276	1.61
L 72+00S 02+00E	S	0.3	21	144	8	1.6	1539	336	1.29
L 72+00S 02+25E	S	0.4	46	580	27	1.6	3080	221	2.30
L 72+00S 02+50E	S	0.3	40	196	26	0.2	1707	78	1.54
L 72+00S 02+75E	S	0.1	26	107	14	<	1101	328	1.76
L 72+00S 03+00E	S	<	11	74	<	0.2	748	339	1.20
L 72+00S 03+25E	S	0.1	28	131	13	<	1043	787	2.31
L 72+00S 03+50E	S	0.1	28	115	11	<	1042	598	2.25
L 72+00S 03+75E	S	0.2	16	68	7	<	764	428	1.30
L 72+00S 04+00E	S	<	21	154	10	<	981	382	1.76
L 72+00S 04+25E	S	0.1	26	178	18	<	1291	271	2.72
L 72+00S 04+50E	S	0.7	26	114	25	0.9	1269	266	2.45
L 72+00S 04+75E	S	0.3	23	159	13	<	991	195	2.07
L 72+00S 05+00E	S	0.1	30	144	18	<	1385	307	2.89
L 72+00S 00+25W	S	0.3	46	336	17	0.7	3941	473	3.02
L 72+00S 00+50W	S	0.3	30	225	11	1.6	3355	359	2.13
L 72+00S 00+75W	S	0.5	41	314	16	1.6	3589	481	2.73
L 72+00S 01+00W	S	0.5	33	262	12	1.1	3879	402	1.66
L 72+00S 01+25W	S	0.4	29	1076	10	9.5	5002	258	1.37
L 72+00S 01+50W	S	0.3	98	336	22	0.4	1.1%	92	1.67
L 76+00S 00+25E	S	0.1	50	265	5	2.0	2646	329	2.35
L 76+00S 00+50E	S	0.3	31	270	11	1.3	2918	517	1.97
L 76+00S 00+75E	S	0.4	32	311	12	0.5	2526	420	2.50
L 76+00S 01+00E	S	0.5	30	173	19	1.4	2520	1696	2.36
L 76+00S 01+25E	S	0.1	32	198	9	0.3	2651	269	2.05
L 76+00S 01+50E	S	0.3	35	361	12	1.8	4150	356	1.84
L 76+00S 01+75E	S	0.3	31	379	9	1.5	6429	208	1.87
L 76+00S 02+00E	S	0.3	38	288	13	1.2	5666	232	1.93
L 76+00S 02+25E	S	0.3	23	159	7	1.4	3093	309	1.46
L 76+00S 02+50E	S	0.5	26	127	9	1.6	2391	194	1.54
Min Limit		0.1	2	1	5	0.1	2	1	0.01
Max Reported*		100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method		ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 95F2801

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Fax (604) 879-7898

Client: Inmet Mining Corporation iPL: 95F2801 Out: Jul 05, 1995 Section 1 of 1
Project: 677 434 Soil In: Jun 28, 1995 [040114:33:10:59070595] Certified BC Assayer: David Chiu

Sample Name		Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L 76+00S 02+75E	S	0.2	57	738	22	1.9	4296	242	2.67
L 76+00S 03+00E	S	0.3	46	787	30	0.8	3328	108	2.60
L 76+00S 03+25E	S	0.4	74	1561	25	1.4	5216	99	2.41
L 76+00S 03+50E	S	0.4	35	4964	10	10.9	6034	599	2.73
L 76+00S 03+75E	S	0.3	23	791	13	<	1849	234	1.76
L 76+00S 04+00E	S	0.2	25	332	10	0.4	1899	233	2.17
L 76+00S 04+25E	S	0.1	20	278	<	0.1	1848	162	2.00
L 76+00S 04+50E	S	0.1	28	145	5	<	1232	254	2.69
L 76+00S 04+75E	S	0.1	14	252	6	0.3	1934	228	1.28
L 76+00S 05+00E	S	0.2	22	151	6	0.4	2900	412	1.54
L 76+00S 05+25E	S	<	22	266	12	<	1391	358	2.07
L 76+00S 05+50E	S	<	23	272	8	<	1837	261	2.47
L 76+00S 05+75E	S	0.3	12	107	9	<	1716	414	1.22
L 76+00S 06+00E	S	0.2	10	102	9	1.2	1128	388	1.25
L 76+00S 06+25E	S	1.0	17	119	9	0.9	1242	573	1.44
L 76+00S 06+50E	S	0.7	26	135	12	0.8	1627	843	1.58
L 76+00S 06+75E	S	0.5	48	655	10	1.9	6316	303	1.43
L 76+00S 07+00E	S	0.6	46	392	19	1.2	2951	149	1.86
L 76+00S 07+25E	S	0.4	45	315	16	1.0	2792	205	1.71
L 76+00S 07+50E	S	0.3	54	387	15	0.9	2615	365	2.10
L 76+00S 07+75E	S	0.8	37	344	24	1.7	2443	220	1.79
L 76+00S 08+00E	S	0.5	25	129	12	<	2245	68	1.21
L 76+00S 08+25E	S	0.5	34	350	20	0.6	2893	164	1.74
L 76+00S 08+50E	S	0.4	35	281	13	1.2	2708	305	1.63
L 76+00S 08+75E	S	0.1	60	181	21	<	2819	52	1.44
L 76+00S 09+00E	S	<	27	208	12	<	1216	404	1.85
L 76+00S 09+25E	S	0.7	28	2093	11	5.1	1375	1591	1.87
L 76+00S 09+50E	S	0.5	19	1490	6	2.9	1316	694	1.58
L 76+00S 09+75E	S	0.1	15	143	6	<	866	109	1.05
L 76+00S 10+00E	S	<	22	261	15	1.8	1011	456	2.29
L 76+00S 10+25E	S	0.1	23	216	13	<	929	231	2.37
L 76+00S 10+50E	S	0.4	25	132	12	<	1045	874	1.99
L 76+00S 10+75E	S	0.2	13	66	7	0.7	799	412	1.26
L 76+00S 11+00E	S	0.4	18	116	10	0.3	953	1169	1.85
L 76+00S 11+25E	S	0.1	24	203	7	0.7	982	781	1.71
L 76+00S 11+50E	S	0.2	53	1168	17	3.5	1798	899	1.81
L 76+00S 11+75E	S	0.2	25	641	9	2.6	937	777	1.86
L 76+00S 00+00W	S	0.1	25	199	12	<	2689	217	2.31
L 76+00S 00+25W	S	0.2	35	317	9	<	2567	142	3.05
Min Limit		0.1	2	1	5	0.1	2	1	0.01
Max Reported*		100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method		ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

—=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 95F2801

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Client: Inmet Mining Corporation   iPL: 95F2801   Out: Jul 05, 1995   Section 1 of 1
Project: 677   434 Soil   In: Jun 28, 1995   [040114:33:16:59070595]   Certified BC Assayer: David Chiu

Sample Name		Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L 76+00S 00+50W	S	0.2	26	183	14	<	1850	191	2.68
L 76+00S 00+75W	S	0.1	15	96	<	<	2397	61	0.64
L 76+00S 01+00W	S	1.4	25	356	10	2.5	2481	595	1.98
L 76+00S 01+25W	S	0.4	31	220	14	<	3123	170	2.25
L 76+00S 01+50W	S	0.2	23	220	13	0.8	1422	180	1.49
Min Limit		0.1	2	1	5	0.1	2	1	0.01
Max Reported*		100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method		ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE F ANALYSIS
iPL 95F2905

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Inmet Mining Corporation

Out: Jul 09, 1995 Project: 677
In : Jun 29, 1995 Shipper: Paul Baxter
PO#: Shipment: ID=C034200
Msg: ICP(MuAc)08
Msg:

60 Samples 0= Rock 60= Soil 0= Core 0=RC Ct 0= Pulp 0=Other [040616:55:24:59070995]

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0	0	0	1	0

Ph:604/681-3771
Fx:604/681-3360

Analytical Summary

##	Code	Method	Title	Limit Low	Limit High	Units	Description	Element	##
01	771P	ICPM	Ag	0.1	100	ppm	Ag ICP(Multi-Acid)	Silver	01
02	764P	ICPM	Pb	2	20000	ppm	Pb ICP(Multi-Acid) Depres	Lead	02
03	780P	ICPM	Zn	1	20000	ppm	Zn ICP(Multi-Acid)	Zinc	03
04	753P	ICPM	As	5	10000	ppm	As ICP(Multi-Acid) Depres	Arsenic	04
05	757P	ICPM	Cd	0.1	10000	ppm	Cd ICP(Multi-Acid)	Cadmium	05
06	754P	ICPM	Ba	2	10000	ppm	Ba ICP(Multi-Acid)	Barium	06
07	766P	ICPM	Mn	1	10000	ppm	Mn ICP(Multi-Acid)	Manganese	07
08	762P	ICPM	Fe	0.01	5.00	%	Fe ICP(Multi-Acid)	Iron	08

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iPL 95F2905

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Fax (604) 879-7898

Client: Inmet Mining Corporation   iPL: 95F2905   Out: Jul 09, 1995   Section 1 of 1
Project: 677   60 Soil   In: Jun 29, 1995   [040616:55:28:59070995]   Certified BC Assayer: David Chiu

Sample Name		Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L 62+00S 15+25E	S	0.2	46	2180	17	17.2	1772	550	2.18
L 62+00S 15+50E	S	0.1	38	669	7	39.8	1824	463	1.38
L 62+00S 15+75E	S	0.2	44	1089	6	21.9	1848	962	1.82
L 62+00S 16+00E	S	0.1	36	420	10	17.7	1551	278	1.50
L 62+00S 16+25E	S	0.4	38	1030	14	10.7	1736	165	2.24
L 62+00S 16+50E	S	0.3	41	3056	13	142.9	1203	1424	1.82
L 62+00S 16+75E	S	0.3	21	9461	19	206.3	699	6217	10%
L 62+00S 17+00E	S	0.5	39	206	13	7.8	1876	82	1.38
L 62+00S 17+25E	S	0.2	29	174	8	6.3	2090	236	1.19
L 62+00S 17+50E	S	0.5	31	237	8	4.1	2019	251	1.28
L 62+00S 17+75E	S	0.7	37	191	18	0.8	2237	54	1.61
L 62+00S 18+00E	S	0.7	26	151	11	0.8	1965	123	0.99
L 62+00S 18+25E	S	0.3	33	142	14	2.5	1974	71	1.20
L 62+00S 18+50E	S	0.6	40	242	12	3.6	1986	135	1.95
L 62+00S 18+75E	S	0.4	37	382	15	9.1	2056	233	1.63
L 62+00S 19+00E	S	0.3	35	221	10	13.4	1605	57	1.23
L 62+00S 19+25E	S	0.5	47	246	10	8.5	1773	303	1.58
L 62+00S 19+50E	S	0.8	29	2095	9	89.6	1157	140	0.99
L 62+00S 19+75E	S	0.7	34	226	10	10.7	2591	42	1.35
L 62+00S 20+00E	S	0.2	32	192	14	1.9	2513	34	1.37
L 62+00S 20+25E	S	0.4	31	234	9	3.6	2707	133	1.38
L 62+00S 20+50E	S	0.8	38	305	20	1.5	2592	47	2.26
L 62+00S 20+75E	S	0.6	25	101	9	1.2	2103	26	0.94
L 62+00S 21+00E	S	0.4	38	820	15	11.4	2180	335	2.46
L 62+00S 21+25E	S	2.8	24	79	6	1.0	1411	27	0.68
L 62+00S 21+50E	S	1.8	26	86	16	1.9	1380	18	0.86
L 62+00S 21+75E	S	3.1	34	84	22	<	1471	24	1.79
L 62+00S 22+00E	S	0.9	34	69	12	0.3	1257	31	0.71
L 62+00S 22+25E	S	0.7	30	134	16	1.0	1383	40	1.05
L 62+00S 22+50E	S	0.5	32	242	16	0.5	1011	42	1.60
L 62+00S 22+75E	S	0.5	21	46	8	<	742	20	0.42
L 62+00S 23+00E	S	0.5	25	46	8	<	981	22	0.60
L 62+00S 23+25E	S	0.7	50	266	23	<	1940	40	2.53
L 62+00S 23+50E	S	0.3	26	63	10	<	1081	28	0.66
L 62+00S 23+75E	S	5.0	28	50	12	0.3	2295	28	0.88
L 62+00S 24+00E	S	0.3	24	43	11	<	1140	21	0.53
L 62+00S 24+25E	S	1.2	30	87	8	<	1339	29	0.94
L 62+00S 24+50E	S	0.6	29	72	8	<	1310	22	0.68
L 62+00S 24+75E	S	0.2	30	37	5	<	1562	36	0.64
Min Limit		0.1	2	1	5	0.1	2	1	0.01
Max Reported*		100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method		ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

—=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 95F2905

2036 Columbia Street
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Phone (604) 879-7878
Fax (604) 879-7898

Client: Inmet Mining Corporation iPL: 95F2905 Out: Jul 09, 1995
Project: 677 60 Soil In: Jun 29, 1995

[040616:55:34:59070995] Certified BC Assayer: David Chiu

Sample Name		Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L 62+00S 25+00E	S	0.1	31	54	9	<	1301	34	0.70
L 62+00S 25+25E	S	<	32	173	17	<	1112	70	1.61
L 62+00S 25+50E	S	0.4	28	114	11	0.5	1688	85	1.04
L 62+00S 25+75E	S	0.7	50	313	21	2.2	1756	239	2.29
L 62+00S 26+00E	S	0.9	34	151	12	2.5	1447	322	1.56
L 62+00S 26+25E	S	0.2	28	70	11	<	1679	25	0.91
L 62+00S 26+50E	S	1.1	48	293	14	1.3	1540	208	2.09
L 62+00S 26+75E	S	0.6	26	143	12	1.3	1253	268	1.29
L 62+00S 27+00E	S	0.6	44	186	16	0.9	1409	263	1.87
L 62+00S 27+25E	S	0.6	38	218	14	2.4	1132	371	1.73
L 62+00S 27+50E	S	0.9	44	249	19	2.0	1263	274	2.52
L 62+00S 27+75E	S	0.2	32	149	15	<	1108	48	1.53
L 62+00S 28+00E	S	0.2	22	78	11	<	689	35	1.10
L 62+00S 28+25E	S	0.2	19	50	6	<	815	31	0.69
L 62+00S 28+50E	S	0.5	39	75	11	<	1383	16	1.46
L 62+00S 28+75E	S	0.6	37	80	29	<	994	59	2.59
L 62+00S 29+00E	S	0.7	26	66	12	<	954	38	1.10
L 62+00S 29+25E	S	0.7	36	155	21	<	1263	52	1.91
L 62+00S 29+50E	S	0.5	33	112	22	<	1209	144	2.24
L 62+00S 29+75E	S	0.1	29	39	11	<	820	33	0.66
L 62+00S 30+00E	S	0.7	24	77	11	<	875	33	0.90

	Ag	Pb	Zn	As	Cd	Ba	Mn	Fe
Min Limit	0.1	2	1	5	0.1	2	1	0.01
Max Reported*	100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

---=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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CERTIFICATE OF ANALYSIS
iPL 95G0509

RECEIVED JUL 12 1995

Inmet Mining Corporation
Out: Jul 10, 1995 Project: 677
In : Jul 05, 1995 Shipper: Paul Baxter
PO#: Shipment: ID=C034200
Msg: ICP(MuAc)08
Msg:

88 Samples 0= Rock 88= Soil 0= Core 0=RC Ct 0= Pulp 0=Other [043016:31:01:59071095]

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Pulp Storage:	--	12Mon/Dis	--	--	--	--	Rtn=Return Arc=Archive

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	DL	3D	5D	BT	BL
	0	0	0	1	0

ATT: Paul Baxter Ph:604/681-3771
Fx:604/681-3360

Analytical Summary

##	Code	Method	Title	Limit Low	Limit High	Units	Description	Element	##
01	771P	ICPM	Ag	0.1	100	ppm	Ag ICP(Multi-Acid)	Silver	01
02	764P	ICPM	Pb	2	20000	ppm	Pb ICP(Multi-Acid) Depres	Lead	02
03	780P	ICPM	Zn	1	20000	ppm	Zn ICP(Multi-Acid)	Zinc	03
04	753P	ICPM	As	5	10000	ppm	As ICP(Multi-Acid) Depres	Arsenic	04
05	757P	ICPM	Cd	0.1	10000	ppm	Cd ICP(Multi-Acid)	Cadmium	05
06	754P	ICPM	Ba	2	10000	ppm	Ba ICP(Multi-Acid)	Barium	06
07	766P	ICPM	Mn	1	10000	ppm	Mn ICP(Multi-Acid)	Manganese	07
08	762P	ICPM	Fe	0.01	5.00	%	Fe ICP(Multi-Acid)	Iron	08

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Client: Inmet Mining Corporation   iPL: 95G0509   Out: Jul 10, 1995   Page 1 of 3   Section 1 of 1
Project: 677   88 Soil   In: Jul 05, 1995   [043016:35:27:59071095]   Certified BC Assayer: David Chiu

Sample Name		Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L 50+00S 3+25E	S	0.6	32	605	14	3.1	1948	245	1.97
L 50+00S 3+50E	S	0.8	35	308	12	1.9	1871	337	2.22
L 50+00S 4+00E	S	0.9	29	264	14	2.2	1633	294	2.16
L 50+00S 4+25E	S	0.7	33	267	14	2.0	1748	417	2.60
L 50+00S 4+50E	S	0.6	38	290	9	0.8	1680	432	2.43
L 50+00S 4+75E	S	0.4	30	223	18	0.9	1568	490	2.61
L 50+00S 5+00E	S	0.4	45	237	19	1.6	1497	389	2.41
L 50+00S 5+25E	S	0.1	30	147	13	<	1391	83	2.18
L 50+00S 5+50E	S	0.3	39	143	13	<	2308	73	1.82
L 50+00S 5+75E	S	0.2	28	129	7	0.7	1233	410	1.38
L 50+00S 6+00E	S	0.5	42	200	24	<	3372	167	2.47
L 50+00S 6+25E	S	0.1	33	176	19	<	1546	50	1.91
L 50+00S 6+50E	S	0.2	36	243	9	0.2	1288	105	1.89
L 50+00S 6+75E	S	<	35	184	14	<	1273	60	1.73
L 50+00S 7+00E	S	<	30	159	15	<	1271	93	1.46
L 50+00S 7+25E	S	0.3	39	204	13	0.1	2641	177	2.26
L 50+00S 7+50E	S	0.2	32	187	12	<	1155	105	1.56
L 50+00S 7+75E	S	0.1	36	189	14	<	1301	129	2.29
L 50+00S 8+00E	S	0.6	37	670	8	4.4	1845	277	2.35
L 50+00S 8+25E	S	0.3	36	567	9	4.5	1280	212	2.18
L 50+00S 8+50E	S	0.3	34	606	11	2.9	1307	195	2.09
L 50+00S 8+75E	S	<	31	252	7	1.2	1033	100	1.73
L 50+00S 9+00E	S	0.1	34	407	9	1.8	1249	232	2.02
L 50+00S 9+25E	S	<	28	130	8	0.1	1288	52	1.26
L 50+00S 9+50E	S	0.1	29	114	9	<	1170	237	1.25
L 50+00S 9+75E	S	0.3	37	192	14	1.6	2149	547	1.97
L 50+00S 10+00E	S	0.1	37	498	13	1.7	1556	140	2.31
L 50+00S 10+25E	S	0.1	29	274	5	2.2	1220	139	1.37
L 50+00S 10+50E	S	0.2	32	194	12	3.8	1494	59	1.37
L 50+00S 10+75E	S	0.3	36	301	13	1.4	1791	81	1.73
L 50+00S 11+00E	S	0.1	48	170	15	0.3	1495	42	1.50
L 50+00S 11+25E	S	0.6	48	155	8	1.0	2663	38	1.54
L 50+00S 11+50E	S	0.3	49	157	14	0.8	2021	56	1.69
L 50+00S 11+75E	S	0.1	38	245	11	0.5	2037	39	1.41
L 50+00S 12+00E	S	<	32	156	10	<	1465	51	1.14
L 50+00S 12+25E	S	<	50	359	<	2.3	1172	61	1.31
L 50+00S 12+50E	S	<	44	252	7	0.1	1357	65	1.24
L 50+00S 12+75E	S	<	57	251	8	<	1765	65	1.43
L 50+00S 13+00E	S	0.2	55	221	7	<	1859	39	1.39
Min Limit		0.1	2	1	5	0.1	2	1	0.01
Max Reported*		100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method		ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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CERTIFICATE OF ANALYSIS
iPL 95G0509

Client: Inmet Mining Corporation   iPL: 95G0509   Out: Jul 10, 1995   Section 1 of 1
Project: 677   88 Soil   In: Jul 05, 1995   [043016:35:34:59071095]   Certified BC Assayer: David Chiu

Sample Name		Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L 50+00S 13+25E	S	0.3	37	62	10	<	5824	31	0.84
L 50+00S 13+50E	S	0.5	49	88	8	<	4126	41	1.25
L 50+00S 13+75E	S	0.7	32	316	6	11.2	3090	136	1.19
L 50+00S 14+00E	S	0.2	57	203	16	<	2304	53	1.73
L 50+00S 14+25E	S	<	28	96	9	0.2	1787	47	0.99
L 50+00S 14+50E	S	<	32	95	8	<	1301	67	0.99
L 50+00S 14+75E	S	1.8	98	144	8	<	2562	87	1.10
L 50+00S 15+00E	S	1.5	82	188	33	<	3182	69	1.90
L 56+00S 20+00E	S	0.4	35	88	9	<	1428	59	1.36
L 56+00S 20+25E	S	0.2	22	62	11	<	1572	26	0.92
L 56+00S 20+50E	S	0.3	28	67	6	<	1426	31	0.96
L 56+00S 20+75E	S	0.7	28	43	7	<	1418	31	0.79
L 56+00S 21+00E	S	0.4	25	37	8	<	1582	27	0.75
L 56+00S 21+25E	S	0.8	26	41	10	<	1755	38	0.75
L 56+00S 21+50E	S	0.3	26	75	15	<	1712	37	0.94
L 56+00S 21+75E	S	<	27	47	6	<	2088	27	0.84
L 56+00S 22+00E	S	0.2	33	220	16	<	2792	25	1.72
L 56+00S 22+25E	S	0.3	30	74	7	<	1899	20	0.90
L 56+00S 22+50E	S	0.1	23	130	11	<	2325	25	1.22
L 56+00S 22+75E	S	0.3	28	61	10	<	1637	31	0.82
L 56+00S 23+00E	S	0.5	46	166	24	<	3157	37	1.78
L 56+00S 23+25E	S	0.3	45	146	15	<	2665	38	1.58
L 56+00S 23+50E	S	0.9	45	124	16	0.1	2705	36	1.86
L 56+00S 23+75E	S	0.6	36	85	15	<	2005	25	1.19
L 56+00S 24+00E	S	0.8	42	117	20	<	2705	32	1.77
L 56+00S 24+25E	S	4.3	40	88	16	<	2370	25	1.55
L 56+00S 24+50E	S	0.3	26	32	7	<	980	22	0.61
L 56+00S 24+75E	S	0.6	24	59	10	<	922	24	0.92
L 56+00S 25+00E	S	0.5	27	51	11	<	1585	25	1.08
L 56+00S 25+25E	S	1.4	41	124	18	<	2403	48	1.94
L 56+00S 25+50E	S	3.2	45	122	21	0.2	2860	77	2.43
L 56+00S 25+75E	S	1.6	29	67	7	<	1559	159	0.89
L 56+00S 26+00E	S	1.2	43	377	16	4.3	1855	272	2.48
L 56+00S 26+25E	S	0.6	39	483	11	2.4	1281	204	2.30
L 56+00S 26+50E	S	0.4	19	159	6	2.1	559	273	0.64
L 56+00S 26+75E	S	0.6	17	134	<	3.0	522	168	0.72
L 56+00S 27+00E	S	0.7	33	563	11	9.3	1071	1159	2.11
L 56+00S 27+25E	S	0.7	37	1791	14	13.1	1294	650	2.95
L 56+00S 27+50E	S	0.4	41	388	9	0.1	1047	138	1.44
Min Limit		0.1	2	1	5	0.1	2	1	0.01
Max Reported*		100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method		ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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CERTIFICATE OF ANALYSIS
iPL 95G0509

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Fax (604) 879-7898

Client: Inmet Mining Corporation   iPL: 95G0509   Out: Jul 10, 1995   Page 3 of 3   Section 1 of 1
Project: 677   88 Soil   In: Jul 05, 1995   [043016:35:40:59071095]   Certified BC Assayer: David Chiu

Sample Name		Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L 56+00S 27+75E	S	0.9	35	260	11	2.4	1416	226	1.54
L 56+00S 28+00E	S	0.2	27	192	10	<	1113	131	1.59
L 56+00S 28+25E	S	0.9	33	244	8	3.5	1437	139	1.84
L 56+00S 28+50E	S	0.6	19	1203	11	16.2	895	228	1.33
L 56+00S 28+75E	S	0.5	31	1439	16	10.0	1203	633	2.12
L 56+00S 29+00E	S	0.4	31	766	9	8.2	1162	138	2.11
L 56+00S 29+25E	S	0.2	30	430	10	3.8	1053	172	1.62
L 56+00S 29+50E	S	0.6	36	546	13	3.3	1116	282	2.08
L 56+00S 29+75E	S	0.3	37	373	<	0.9	1286	105	1.45
L 56+00S 30+00E	S	0.3	38	428	13	2.6	1380	135	2.00

	Ag	Pb	Zn	As	Cd	Ba	Mn	Fe
Min Limit	0.1	2	1	5	0.1	2	1	0.01
Max Reported*	100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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CERTIFICATE OF ANALYSIS
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RECEIVED JUL 12 1995

Inmet Mining Corporation
Out: Jul 11, 1995 Project: 677
In : Jul 04, 1995 Shipper: Paul Baxter
PO#: Shipment: ID=C034200
Msg: ICP(MuAc)08
Msg:

157 Samples 0= Rock 157= Soil 0= Core 0=RC Ct 0= Pulp 0=Other [042115:19:03:59071195]

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ATT: Paul Baxter Ph:604/681-3771
Fx:604/681-3360

Analytical Summary

##	Code	Method	Title	Limit Low	Limit High	Units	Description	Element	##
01	771P	ICPM	Ag	0.1	100	ppm	Ag ICP(Multi-Acid)	Silver	01
02	764P	ICPM	Pb	2	20000	ppm	Pb ICP(Multi-Acid) Depres	Lead	02
03	780P	ICPM	Zn	1	20000	ppm	Zn ICP(Multi-Acid)	Zinc	03
04	753P	ICPM	As	5	10000	ppm	As ICP(Multi-Acid) Depres	Arsenic	04
05	757P	ICPM	Cd	0.1	10000	ppm	Cd ICP(Multi-Acid)	Cadmium	05
06	754P	ICPM	Ba	2	10000	ppm	Ba ICP(Multi-Acid)	Barium	06
07	766P	ICPM	Mn	1	10000	ppm	Mn ICP(Multi-Acid)	Manganese	07
08	762P	ICPM	Fe	0.01	5.00	%	Fe ICP(Multi-Acid)	Iron	08

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iPL 95G0409

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Client: Inmet Mining Corporation iPL: 95G0409 Out: Jul 11, 1995 Section 1 of 1
Project: 677 157 Soil In: Jul 04, 1995 [042115:19:07:59071195] Certified BC Assayer: David Chiu

Sample Name		Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L 56+00S 4+50E	S	1.0	35	303	14	1.7	1909	347	2.33
L 56+00S 4+75E	S	0.6	28	189	10	0.9	1496	324	1.93
L 56+00S 5+00E	S	0.6	25	225	8	1.5	1369	274	1.77
L 56+00S 5+25E	S	0.7	28	158	8	1.2	1329	321	1.73
L 56+00S 5+50E	S	1.0	34	197	16	1.6	1588	337	2.22
L 56+00S 5+75E	S	0.8	23	188	9	2.9	1248	283	1.62
L 56+00S 6+00E	S	1.4	29	187	11	2.6	1428	555	2.58
L 56+00S 6+25E	S	1.6	31	247	10	2.7	1610	714	2.72
L 56+00S 6+50E	S	0.6	37	360	24	0.9	1485	714	4.86
L 56+00S 6+75E	S	0.3	39	513	16	2.9	1514	749	3.51
L 56+00S 7+00E	S	0.1	40	276	11	0.1	1575	332	2.57
L 56+00S 7+25E	S	0.1	37	218	12	0.7	1429	283	1.55
L 56+00S 7+50E	S	0.4	33	168	11	1.6	2717	240	1.14
L 56+00S 7+75E	S	0.4	43	218	15	<	1759	79	1.59
L 56+00S 8+00E	S	0.3	30	190	8	0.4	1269	85	1.27
L 56+00S 8+25E	S	<	35	275	13	0.6	1191	189	2.13
L 56+00S 8+50E	S	0.2	30	171	5	0.8	930	522	1.33
L 56+00S 8+75E	S	0.2	30	180	12	<	1061	318	1.91
L 56+00S 9+00E	S	<	33	120	10	<	1259	193	2.13
L 56+00S 9+25E	S	<	27	103	11	<	844	69	1.19
L 56+00S 9+50E	S	0.1	25	58	10	<	923	82	1.10
L 56+00S 9+75E	S	<	36	200	15	0.4	972	82	1.69
L 56+00S 10+00E	S	0.1	34	284	6	0.8	1166	408	1.35
L 56+00S 10+25E	S	0.1	32	192	18	1.2	1456	72	1.04
L 56+00S 10+50E	S	0.5	40	1592	17	9.0	1895	429	2.37
L 56+00S 10+75E	S	0.3	42	1071	14	19.0	1801	373	2.03
L 56+00S 11+00E	S	0.8	42	8622	11	59.5	1139	1431	3.20
L 56+00S 11+25E	S	0.6	40	5599	30	21.8	1488	306	3.67
L 56+00S 11+50E	S	0.2	54	2915	17	29.9	2232	110	1.41
L 56+00S 11+75E	S	0.4	43	5959	12	39.6	1384	517	2.09
L 56+00S 12+00E	S	3.7	58	5263	<	82.5	639	223	0.37
L 56+00S 12+25E	S	0.6	295	6589	13	88.3	1953	628	2.31
L 56+00S 12+50E	S	1.8	35	3491	9	92.8	893	256	0.81
L 56+00S 12+75E	S	0.5	57	5554	16	66.5	1718	1039	2.58
L 56+00S 13+00E	S	0.1	63	1175	26	10.5	1948	191	2.51
L 56+00S 13+25E	S	0.2	47	1400	14	51.9	1255	382	1.35
L 56+00S 13+50E	S	0.6	95	1320	27	7.1	1844	193	2.36
L 56+00S 13+75E	S	0.1	37	370	14	10.8	1121	69	1.22
L 56+00S 14+00E	S	2.1	72	3106	27	42.4	2023	817	2.98
Min Limit		0.1	2	1	5	0.1	2	1	0.01
Max Reported*		100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method		ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 95G0409

2036 Columbia Street
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Phone (604) 879-7878
Fax (604) 879-7898

Client: Inmet Mining Corporation   iPL: 95G0409   Out: Jul 11, 1995   Section 1 of 1
Project: 677   157 Soil   In: Jul 04, 1995   [042115:19:13:59071195]   Certified BC Assayer: David Chiu

Sample Name		Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L 56+00S 14+25E	S	1.7	38	983	13	34.8	1059	1591	2.21
L 56+00S 14+50E	S	0.3	46	404	12	22.7	1380	576	1.52
L 56+00S 14+75E	S	0.5	49	1280	11	146.0	1732	3008	1.29
L 56+00S 15+00E	S	0.2	42	772	17	24.2	1334	1155	1.55
L 56+00S 15+25E	S	0.2	73	801	16	9.9	1467	1380	2.19
L 56+00S 15+50E	S	0.4	44	411	13	9.6	1687	1039	1.44
L 56+00S 15+75E	S	<	90	1017	20	3.4	892	456	1.96
L 56+00S 16+50E	S	0.2	60	220	13	2.5	1211	378	1.54
L 56+00S 16+75E	S	0.9	68	411	32	3.4	1675	299	2.40
L 56+00S 17+00E	S	1.1	85	545	27	7.2	1681	550	2.46
L 56+00S 17+25E	S	0.2	45	113	16	<	1248	86	1.19
L 56+00S 17+50E	S	0.7	39	106	11	1.1	1170	107	1.04
L 56+00S 17+75E	S	0.3	62	84	23	<	954	92	1.30
L 56+00S 18+00E	S	0.2	38	93	22	<	865	59	1.14
L 56+00S 18+25E	S	0.6	41	374	29	1.5	1735	156	2.39
L 56+00S 18+50E	S	0.5	35	147	13	0.2	2452	60	1.52
L 56+00S 18+75E	S	1.2	39	251	28	0.4	2124	69	2.88
L 56+00S 19+00E	S	0.3	28	144	14	<	2876	83	1.69
L 56+00S 19+25E	S	0.7	33	292	25	1.2	2810	116	2.87
L 56+00S 19+50E	S	0.5	36	341	29	0.4	3369	61	2.96
L 56+00S 19+75E	S	1.1	28	95	11	1.4	1798	48	1.11
L 66+00S 10+25E	S	0.2	30	153	14	<	944	355	2.18
L 66+00S 10+50E	S	<	31	84	10	<	903	161	1.98
L 66+00S 10+75E	S	<	29	190	15	<	919	62	1.65
L 66+00S 11+00E	S	<	26	109	10	<	1115	59	1.20
L 66+00S 11+25E	S	<	37	190	16	<	1267	207	2.16
L 66+00S 11+50E	S	<	43	214	15	<	1279	361	2.81
L 66+00S 11+75E	S	1.3	31	923	12	5.3	1205	203	2.91
L 66+00S 12+00E	S	0.4	31	1300	8	1.0	1130	232	4.22
L 66+00S 12+25E	S	0.4	28	637	14	1.3	1174	211	3.61
L 66+00S 12+50E	S	0.1	27	250	20	0.3	1342	166	3.37
L 66+00S 12+75E	S	1.8	48	347	50	0.6	1361	130	6.5%
L 66+00S 13+00E	S	0.2	12	77	6	0.3	675	425	1.18
L 66+00S 13+25E	S	<	33	256	9	0.6	909	436	2.40
L 66+00S 13+50E	S	0.2	27	188	9	0.8	1132	553	2.15
L 66+00S 13+75E	S	0.1	17	85	6	<	621	431	1.34
L 66+00S 14+00E	S	<	30	186	14	<	1378	241	2.17
L 66+00S 14+25E	S	0.1	38	172	19	<	1626	341	2.87
L 66+00S 14+50E	S	0.4	27	187	10	1.0	1381	300	1.76
Min Limit		0.1	2	1	5	0.1	2	1	0.01
Max Reported*		100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method		ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

iPL
INTERNATIONAL PLASMA LABORATORY LTD

CERTIFICATE OF ANALYSIS
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Fax (604) 879-7898

Client: Inmet Mining Corporation iPL: 95G0409 Out: Jul 11, 1995 Section 1 of 1
Project: 677 157 Soil In: Jul 04, 1995 [042115:19:19:59071195] Certified BC Assayer: David Chiu

Sample Name		Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L 66+00S 14+75E	S	0.2	28	440	12	0.8	1714	337	2.25
L 66+00S 15+00E	S	1.0	27	320	16	2.4	5992	266	1.78
L 72+00S 5+25E	S	0.2	31	234	9	0.8	1060	341	2.28
L 72+00S 5+75E	S	<	27	169	9	<	1004	246	2.08
L 72+00S 6+00E	S	<	26	179	13	<	995	395	2.44
L 72+00S 6+25E	S	<	31	141	10	0.2	1058	462	2.05
L 72+00S 6+50E	S	<	32	100	12	0.7	862	1169	2.10
L 72+00S 6+75E	S	<	30	76	11	<	827	375	2.02
L 72+00S 7+00E	S	<	36	72	14	<	852	160	2.24
L 72+00S 7+25E	S	<	36	81	16	0.6	761	468	2.08
L 72+00S 7+50E	S	0.1	28	84	12	<	713	489	2.14
L 72+00S 7+75E	S	<	29	114	16	<	788	579	2.28
L 72+00S 8+00E	S	<	27	94	12	<	752	711	2.08
L 72+00S 8+25E	S	<	32	97	12	0.3	902	1342	2.57
L 72+00S 8+50E	S	<	29	100	11	0.1	690	1547	2.38
L 72+00S 8+75E	S	0.1	29	113	10	<	779	752	1.83
L 72+00S 9+00E	S	<	22	86	<	0.4	782	438	1.41
L 72+00S 9+25E	S	<	32	81	12	<	707	1562	2.14
L 72+00S 9+50E	S	<	24	94	13	0.2	890	679	1.60
L 72+00S 9+75E	S	0.1	30	104	8	<	670	887	1.88
L 72+00S 10+25E	S	0.2	33	378	10	1.6	1087	1350	2.04
L 72+00S 10+50E	S	<	36	268	15	0.5	1554	304	2.24
L 72+00S 11+00E	S	0.2	71	396	17	1.4	3465	370	2.00
L 72+00S 11+25E	S	<	21	158	<	1.0	1162	329	1.45
L 72+00S 11+50E	S	0.1	24	189	6	0.3	1327	344	1.47
L 72+00S 11+75E	S	<	20	79	5	<	881	344	1.52
L 72+00S 12+00E	S	<	23	79	<	<	652	360	1.57
L 72+00S 12+25E	S	<	23	79	5	<	831	358	1.61
L 74+00S 0+00E	S	<	25	88	10	4.3	2925	63	1.38
L 74+00S 0+25E	S	0.1	39	269	15	3.3	2769	220	1.61
L 74+00S 0+50E	S	0.8	46	346	14	2.3	3284	769	2.36
L 74+00S 0+75E	S	0.1	16	75	8	0.2	1196	436	1.17
L 74+00S 1+00E	S	<	11	72	9	0.2	852	362	1.15
L 74+00S 1+25E	S	0.3	37	122	12	1.1	1589	778	1.47
L 74+00S 1+50E	S	1.2	96	693	34	2.6	3906	94	2.90
L 74+00S 1+75E	S	0.7	115	553	39	2.0	5720	103	2.28
L 74+00S 2+00E	S	0.2	56	577	28	1.2	6913	65	2.27
L 74+00S 2+25E	S	0.5	74	566	28	5.5	6848	274	2.18
L 74+00S 2+50E	S	<	28	238	19	0.2	2920	53	1.44
Min Limit		0.1	2	1	5	0.1	2	1	0.01
Max Reported*		100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method		ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

---=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 95G0409

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Fax (604) 879-7898

Client: Inmet Mining Corporation   iPL: 95G0409   Out: Jul 11, 1995   Section 1 of 1
Project: 677   157 Soil   In: Jul 04, 1995   [042115:19:25:59071195]   Certified BC Assayer: David Chiu

Sample Name		Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L 74+00S 2+75E	S	<	38	435	20	2.9	2670	210	2.05
L 74+00S 3+00E	S	0.1	36	429	14	0.2	2520	140	1.75
L 74+00S 3+25E	S	0.1	33	276	14	0.9	1841	316	2.46
L 74+00S 3+50E	S	<	31	260	10	0.2	2107	156	1.67
L 74+00S 3+75E	S	<	29	329	13	0.7	1976	261	1.86
L 74+00S 4+00E	S	0.1	25	154	13	1.2	1326	89	1.17
L 74+00S 4+25E	S	0.3	34	298	11	1.2	1703	421	2.29
L 74+00S 4+75E	S	0.1	33	213	9	<	1453	256	2.18
L 74+00S 5+00E	S	0.3	30	193	8	<	1168	326	2.61
L 74+00S 5+25E	S	0.1	32	207	13	<	1208	243	2.24
L 74+00S 5+50E	S	<	24	243	7	<	980	183	1.97
L 74+00S 5+75E	S	0.8	27	128	15	0.3	1317	380	2.18
L 74+00S 6+00E	S	<	30	131	8	<	950	403	1.99
L 74+00S 6+25E	S	0.3	37	166	10	0.3	1093	510	2.98
L 74+00S 6+50E	S	<	34	130	16	<	859	187	2.10
L 74+00S 6+75E	S	<	43	113	14	<	954	436	2.81
L 74+00S 7+00E	S	<	28	134	10	<	663	183	1.41
L 74+00S 7+25E	S	<	33	146	13	<	797	412	1.77
L 74+00S 7+50E	S	<	33	191	17	<	716	248	1.98
L 74+00S 7+75E	S	<	31	151	12	<	895	208	2.08
L 74+00S 8+00E	S	<	28	120	12	<	949	613	1.89
L 74+00S 8+25E	S	0.2	26	102	8	0.3	935	510	1.53
L 74+00S 8+50E	S	<	58	628	22	3.8	2678	408	1.76
L 74+00S 8+75E	S	<	36	229	19	<	1614	80	1.33
L 74+00S 9+00E	S	<	44	451	17	0.3	1837	254	2.06
L 74+00S 9+25E	S	<	52	331	18	1.0	1976	142	2.38
L 74+00S 9+50E	S	<	64	365	24	0.7	1813	131	2.53
L 74+00S 9+75E	S	<	38	266	14	0.1	1546	163	1.31
L 74+00S 10+00E	S	<	61	341	21	1.0	1840	378	2.23
L 74+00S 10+25E	S	<	48	368	17	0.2	1946	411	1.73
L 74+00S 10+50E	S	0.2	37	219	12	0.2	1918	427	1.57
L 74+00S 10+75E	S	0.1	27	127	11	0.8	1078	422	1.37
L 74+00S 11+00E	S	0.3	22	284	11	2.6	1145	1045	1.45
L 74+00S 11+25E	S	<	29	209	9	0.3	965	275	1.95
L 74+00S 0+25W	S	0.3	37	335	7	1.5	3273	260	1.73
L 74+00S 0+50W	S	<	49	473	19	1.5	3072	285	2.89
L 74+00S 0+75W	S	<	21	97	15	0.3	1552	73	1.19
L 74+00S 1+00W	S	<	35	223	17	<	1943	118	1.92
L 74+00S 1+25W	S	<	38	128	19	<	1696	73	2.03
Min Limit		0.1	2	1	5	0.1	2	1	0.01
Max Reported*		100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method		ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

CERTIFICATE OF ANALYSIS
iPL 95G0409

INTERNATIONAL PLASMA LABORATORY LTD

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Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
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Client: Inmet Mining Corporation
Project: 677 157 Soil

iPL: 95G0409

Out: Jul 11, 1995
In: Jul 04, 1995

[042115:19:31:59071195]

Section 1 of 1
Certified BC Assayer: David Chiu

Sample Name		Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L 74+00S 1+50W	S	<	24	167	11	0.6	1781	119	1.26
Min Limit		0.1	2	1	5	0.1	2	1	0.01
Max Reported*		100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method		ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 95G1301

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

RECEIVED JUL 25 1995

Inmet Mining Corporation
Out: Jul 19, 1995 Project: 677
In : Jul 13, 1995 Shipper: Paul Baxter
PO#: 677-703 Shipment: ID=C034200
Msg: ICP(MuAc)08
Msg:

117 Samples 0= Rock 117= Soil 0= Core 0=RC Ct 0= Pulp 0=Other [046322:20:44:59071995]

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ATT: Paul Baxter Ph:604/681-3771 Fx:604/681-3360

Analytical Summary

##	Code	Method	Title	Limit Low	Limit High	Units	Description	Element	##
01	771P	ICPM	Ag	0.1	100	ppm	Ag ICP(Multi-Acid)	Silver	01
02	764P	ICPM	Pb	2	20000	ppm	Pb ICP(Multi-Acid) Depres	Lead	02
03	780P	ICPM	Zn	1	20000	ppm	Zn ICP(Multi-Acid)	Zinc	03
04	753P	ICPM	As	5	10000	ppm	As ICP(Multi-Acid) Depres	Arsenic	04
05	757P	ICPM	Cd	0.1	10000	ppm	Cd ICP(Multi-Acid)	Cadmium	05
06	754P	ICPM	Ba	2	10000	ppm	Ba ICP(Multi-Acid)	Barium	06
07	766P	ICPM	Mn	1	10000	ppm	Mn ICP(Multi-Acid)	Manganese	07
08	762P	ICPM	Fe	0.01	5.00	%	Fe ICP(Multi-Acid)	Iron	08

Plotted

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CERTIFICATE OF ANALYSIS
iPL 95G1301

Client: Inmet Mining Corporation   iPL: 95G1301   Out: Jul 19, 1995   Page 1 of 3   Section 1 of 1
Project: 677   117 Soil   In: Jul 13, 1995   [046322:20:48:59071995]   Certified BC Assayer: David Chiu

Sample Name		Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L 44+00S 7+00E	S	<	24	111	8	<	948	74	1.65
L 44+00S 7+25E	S	<	24	167	<	<	1075	136	1.92
L 44+00S 7+50E	S	<	29	122	8	<	1063	242	2.12
L 44+00S 7+75E	S	<	24	133	9	<	1299	79	1.73
L 44+00S 8+00E	S	0.1	21	116	10	<	1069	136	1.21
L 44+00S 8+25E	S	0.2	27	153	11	0.4	1136	59	2.01
L 44+00S 8+50E	S	0.1	29	246	10	0.2	1245	112	1.90
L 44+00S 8+75E	S	<	33	166	13	<	1250	74	1.89
L 44+00S 9+00E	S	0.1	27	101	11	<	1048	52	1.42
L 44+00S 9+25E	S	0.6	51	283	16	2.3	3097	261	1.79
L 44+00S 9+50E	S	0.1	33	227	13	<	1265	75	1.60
L 44+00S 9+75E	S	<	25	134	9	0.2	1157	53	1.14
L 44+00S 10+00E	S	0.1	35	175	<	<	1517	89	1.80
L 44+00S 10+25E	S	0.2	24	122	7	0.3	1477	47	1.03
L 44+00S 10+50E	S	0.2	30	158	12	1.2	1819	54	1.26
L 44+00S 10+75E	S	0.9	34	174	8	3.2	2259	329	1.34
L 44+00S 11+00E	S	0.5	25	187	6	5.2	2155	185	1.28
L 44+00S 11+25E	S	0.3	46	295	12	0.8	1740	202	1.86
L 44+00S 11+50E	S	0.1	26	86	5	3.6	1196	29	0.68
L 44+00S 11+75E	S	0.2	36	164	7	<	1777	79	1.39
L 44+00S 12+00E	S	0.1	35	150	14	2.3	1844	51	1.16
L 44+00S 12+25E	S	0.2	30	167	15	0.4	1968	51	1.42
L 44+00S 12+50E	S	0.1	21	130	6	0.3	1798	46	0.95
L 44+00S 12+75E	S	0.1	32	103	13	1.0	1171	54	1.15
L 44+00S 13+75E	S	0.2	34	145	12	<	1893	261	1.31
L 44+00S 14+00E	S	<	25	96	13	<	907	65	1.11
L 44+00S 14+25E	S	<	21	53	7	<	1298	29	0.93
L 44+00S 14+50E	S	<	20	44	6	<	1107	42	0.87
L 44+00S 14+75E	S	<	23	54	9	<	1421	39	0.98
L 44+00S 15+00E	S	0.1	25	109	10	<	1262	33	1.07
L 44+00S 15+25E	S	0.5	56	174	15	<	2689	37	1.93
L 44+00S 15+50E	S	0.1	62	131	12	<	2001	56	1.68
L 44+00S 15+75E	S	0.2	32	86	12	<	1450	33	1.09
L 44+00S 16+00E	S	0.3	17	39	16	<	1487	23	0.67
L 44+00S 16+25E	S	0.1	26	114	17	<	1791	35	1.33
L 44+00S 16+50E	S	0.1	24	112	13	<	1598	54	1.35
L 44+00S 16+75E	S	3.6	37	143	28	<	2074	21	2.49
L 44+00S 17+00E	S	1.4	26	96	20	<	1241	20	1.52
L 44+00S 17+25E	S	1.0	25	146	23	<	1465	26	2.52
Min Limit		0.1	2	1	5	0.1	2	1	0.01
Max Reported*		100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method		ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

Plotted

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

INTERNATIONAL PLASMA LABORATORY LTD

2036 Columbia Street
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Phone (604) 879-7878
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CERTIFICATE OF ANALYSIS
iPL 95G1301

Client: Inmet Mining Corporation iPL: 95G1301 Out: Jul 19, 1995   Section 1 of 1
Project: 677 117 Soil In: Jul 13, 1995 [046322:20:54:59071995] Certified BC Assayer: David Chiu

Sample Name		Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L 44+00S 17+50E	S	0.3	23	116	13	<	1102	36	1.28
L 44+00S 17+75E	S	0.5	31	190	22	<	1538	26	2.14
L 44+00S 18+00E	S	0.6	16	119	10	<	1064	30	1.14
L 44+00S 18+25E	S	0.9	38	122	20	<	1367	29	1.59
L 44+00S 18+50E	S	0.1	20	87	16	<	1124	27	1.02
L 44+00S 18+75E	S	0.1	26	218	11	<	1389	26	1.08
L 44+00S 19+00E	S	0.7	31	211	20	1.0	2112	57	2.25
L 44+00S 19+25E	S	0.7	31	244	11	1.2	1769	134	2.00
L 44+00S 19+50E	S	0.9	33	269	10	2.2	1866	373	1.99
L 44+00S 19+75E	S	0.7	28	303	9	1.5	1744	111	1.95
L 44+00S 20+00E	S	0.6	27	176	9	1.8	1617	233	1.59
L 44+00S 20+25E	S	1.3	30	239	9	15.9	1776	564	1.87
L 44+00S 20+50E	S	0.5	40	302	13	2.1	1757	330	2.25
L 44+00S 20+75E	S	0.4	31	269	14	1.1	1883	136	2.20
L 44+00S 21+00E	S	1.0	36	222	14	0.7	1621	55	1.72
L 44+00S 21+25E	S	2.4	35	360	19	3.4	2020	383	2.58
L 44+00S 21+50E	S	0.6	25	84	11	<	1018	26	0.93
L 44+00S 21+75E	S	0.6	29	111	17	<	1319	33	1.48
L 44+00S 22+00E	S	1.1	33	123	12	0.3	1467	65	1.21
L 44+00S 22+25E	S	0.8	25	53	8	<	1244	43	0.65
L 44+00S 22+50E	S	4.3	40	119	11	2.1	2177	54	1.37
L 44+00S 22+75E	S	1.6	33	131	14	<	1470	41	1.91
L 44+00S 23+00E	S	0.9	27	64	12	<	1846	24	0.80
L 44+00S 23+25E	S	1.9	31	111	15	<	1731	34	1.56
L 44+00S 23+50E	S	4.1	35	161	15	<	2274	35	1.93
L 44+00S 23+75E	S	1.6	25	77	14	<	2597	28	1.03
L 44+00S 24+00E	S	2.5	29	59	14	<	3158	34	0.90
L 44+00S 24+25E	S	1.2	25	32	5	<	3235	21	0.52
L 44+00S 24+50E	S	0.8	28	36	5	<	3214	36	0.59
L 44+00S 24+75E	S	0.4	24	55	<	<	2364	63	0.73
L 44+00S 25+00E	S	0.7	24	48	8	<	1977	21	0.59
L 44+00S 25+25E	S	0.5	22	78	10	<	1330	21	0.68
L 44+00S 25+50E	S	0.4	24	96	9	<	1371	40	0.91
L 44+00S 25+75E	S	0.4	19	66	7	<	1955	28	0.95
L 44+00S 26+00E	S	0.4	24	69	8	<	1414	61	1.09
L 44+00S 26+25E	S	2.3	28	338	9	3.6	2359	208	2.00
L 44+00S 26+50E	S	0.8	29	170	9	<	2270	37	1.67
L 44+00S 26+75E	S	0.1	25	36	7	<	1666	28	0.58
L 44+00S 27+00E	S	0.8	33	181	16	<	1942	42	1.80
Min Limit		0.1	2	1	5	0.1	2	1	0.01
Max Reported*		100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method		ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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CERTIFICATE OF ANALYSIS
iPL 95G1301

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Fax (604) 879-7898

Client: Inmet Mining Corporation   iPL: 95G1301   Out: Jul 19, 1995   Page 3 of 3   Section 1 of 1
Project: 677   117 Soil   In: Jul 13, 1995   [046322:21:00:59071995]   Certified BC Assayer: David Chiu

Sample Name		Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L 44+00S 27+25E	S	2.0	35	342	13	1.9	2077	228	2.25
L 44+00S 27+50E	S	0.7	28	118	12	<	1380	29	1.09
L 44+00S 27+75E	S	0.3	28	80	13	<	1585	26	0.95
L 44+00S 28+00E	S	0.5	21	31	7	<	915	23	0.42
L 44+00S 28+25E	S	0.4	20	22	7	<	896	26	0.39
L 44+00S 28+50E	S	0.3	20	38	8	<	671	26	0.69
L 44+00S 28+75E	S	1.6	20	120	13	<	620	46	1.61
L 44+00S 29+00E	S	1.9	30	114	16	<	825	32	1.37
L 44+00S 29+25E	S	0.4	25	76	11	<	769	36	1.06
L 44+00S 29+50E	S	0.2	21	58	7	<	699	24	0.67
L 44+00S 29+75E	S	0.2	23	78	8	<	681	31	1.00
L 44+00S 30+00E	S	1.5	25	293	10	<	872	33	2.74
L 50+00S 23+50E	S	0.6	32	251	12	0.8	1419	114	2.24
L 50+00S 23+75E	S	2.3	30	338	9	2.1	1742	209	2.40
L 50+00S 24+00E	S	4.0	33	270	20	1.2	2051	60	2.46
L 50+00S 24+25E	S	2.5	37	298	31	1.6	1710	37	2.55
L 50+00S 24+50E	S	2.4	30	142	9	0.7	2617	74	2.04
L 50+00S 24+75E	S	0.8	30	126	10	0.1	1927	46	1.60
L 50+00S 25+00E	S	0.7	34	256	20	0.4	1936	135	2.70
L 50+00S 25+25E	S	0.3	25	97	9	<	1430	43	1.09
L 50+00S 25+50E	S	0.9	40	283	18	4.3	1732	335	3.05
L 50+00S 25+75E	S	0.5	35	229	12	0.2	1488	124	2.17
L 50+00S 26+00E	S	0.8	28	201	10	0.6	1952	147	2.78
L 50+00S 26+25E	S	0.4	26	106	10	<	1204	39	0.70
L 50+00S 26+50E	S	1.5	21	76	5	<	1532	92	0.77
L 50+00S 26+75E	S	0.8	33	320	9	0.8	1404	166	2.24
L 50+00S 27+00E	S	0.7	35	389	12	1.3	1768	179	2.65
L 50+00S 27+25E	S	0.4	32	407	9	<	1271	116	1.46
L 50+00S 27+50E	S	0.6	35	455	10	1.1	1341	90	2.07
L 50+00S 27+75E	S	2.6	44	686	7	4.6	1533	386	2.16
L 50+00S 28+00E	S	0.6	33	296	12	0.7	1504	106	2.05
L 50+00S 28+25E	S	0.5	30	277	9	0.3	1323	165	2.02
L 50+00S 28+50E	S	1.9	32	408	5	1.9	1681	321	2.36
L 50+00S 28+75E	S	0.7	28	299	10	0.1	1414	145	1.61
L 50+00S 29+00E	S	2.0	33	419	12	3.3	1652	329	2.51
L 50+00S 29+25E	S	1.2	10	285	7	11.0	1068	219	1.00
L 50+00S 29+50E	S	2.5	30	380	17	1.2	1807	185	2.60
L 50+00S 29+75E	S	2.1	28	391	9	3.1	1603	271	2.24
L 50+00S 30+00E	S	1.6	32	423	14	2.0	1721	179	2.45
Min Limit		0.1	2	1	5	0.1	2	1	0.01
Max Reported*		100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method		ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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CERTIFICAT[illegible] [illegible]F ANALYSIS
iPL [illegible]5G2101

RECEIVED JUL 3 0 1995

Inmet Mining Corporation
Out: Jul 26, 1995 Project: 677
In : Jul 21, 1995 Shipper: Paul Baxter
PO#: 677-703 Shipment: ID=C034200
Msg: ICP(MuA)08
Msg:

120 Samples 0= Rock 120= Soil 0= Core 0=RC Ct 0= Pulp 0=Other [048613:33:24:59072695]

	Rock	Soil	Core	RC Ct	Pulp	Other	
Raw Storage:	--	00Mon/Dis	--	--	--	--	Mon=Month Dis=Discard
Pulp Storage:	--	12Mon/Dis	--	--	--	--	Rtn=Return Arc=Archive

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ATT: Paul Baxter Ph:604/681-3771
Fx:604/681-3360

Analytical Summary

##	Code	Method	Title	Limit Low	Limit High	Units	Description	Element	##
01	771P	ICPM	Ag	0.1	100	ppm	Ag ICP(Multi-Acid)	Silver	01
02	764P	ICPM	Pb	2	20000	ppm	Pb ICP(Multi-Acid) Depres	Lead	02
03	780P	ICPM	Zn	1	20000	ppm	Zn ICP(Multi-Acid)	Zinc	03
04	753P	ICPM	As	5	10000	ppm	As ICP(Multi-Acid) Depres	Arsenic	04
05	757P	ICPM	Cd	0.1	10000	ppm	Cd ICP(Multi-Acid)	Cadmium	05
06	754P	ICPM	Ba	2	10000	ppm	Ba ICP(Multi-Acid)	Barium	06
07	766P	ICPM	Mn	1	10000	ppm	Mn ICP(Multi-Acid)	Manganese	07
08	762P	ICPM	Fe	0.01	5.00	%	Fe ICP(Multi-Acid)	Iron	08

As Pb Zn As Cd Ba Mn Fe

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Fax (604) 879-7898

CERTIFICAT[illegible] OF ANALYSIS
iPL [illegible]5G2101

Client: Inmet Mining Corporation
Project: 677 120 Soil

iPL: 95G2101

Out: Jul 25, 1995
In: Jul 21, 1995

[048612:22:56:59072695]
Certified BC Assayer: David Chiu

Sample Name		Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L 38+00S 7+75E	S	0.7	30	508	9	3.0	1904	262	2.19
L 38+00S 8+00E	S	0.4	24	266	<	1.2	1449	248	1.83
L 38+00S 8+25E	S	0.9	36	471	12	3.9	2326	404	2.16
L 38+00S 8+50E	S	0.5	25	263	<	1.4	1314	237	1.86
L 38+00S 8+75E	S	0.4	29	380	9	2.4	1716	293	2.28
L 38+00S 9+00E	S	0.4	29	322	11	2.8	1875	434	2.16
L 38+00S 9+25E	S	1.0	29	331	9	2.7	1617	380	2.09
L 38+00S 9+50E	S	0.1	19	192	15	<	1611	36	1.44
L 38+00S 9+75E	S	0.3	28	211	13	0.4	2441	96	1.79
L 38+00S 10+00E	S	0.5	19	190	16	4.5	2145	72	1.43
L 38+00S 10+25E	S	0.1	24	180	14	1.0	2247	49	1.55
L 38+00S 10+50E	S	0.1	25	199	8	0.4	1028	254	1.43
L 38+00S 10+75E	S	0.1	27	276	14	<	1126	96	1.73
L 38+00S 11+00E	S	<	70	437	17	1.0	985	178	1.63
L 38+00S 11+25E	S	<	31	1839	9	13.6	1512	432	2.50
L 38+00S 11+50E	S	<	45	1456	20	2.7	2428	71	2.73
L 38+00S 11+75E	S	1.1	22	128	33	<	2317	60	2.21
L 38+00S 12+00E	S	0.5	44	734	43	3.0	3136	94	2.81
L 38+00S 12+25E	S	0.1	18	101	14	0.9	2114	55	0.96
L 38+00S 12+50E	S	1.1	39	113	20	1.6	2748	73	1.44
L 38+00S 12+75E	S	0.4	31	321	33	5.2	1949	80	2.32
L 38+00S 13+00E	S	<	14	48	<	<	1079	59	0.48
L 38+00S 13+25E	S	0.2	15	33	<	<	1693	41	0.64
L 38+00S 13+50E	S	0.3	24	65	9	<	1911	30	0.94
L 38+00S 13+75E	S	1.2	29	162	13	<	2057	88	1.86
L 38+00S 14+00E	S	1.1	16	946	13	17.0	3772	245	1.29
L 38+00S 14+25E	S	0.4	23	213	12	<	3012	52	1.44
L 38+00S 14+50E	S	0.2	21	163	12	<	2741	42	1.30
L 38+00S 14+75E	S	0.9	23	785	16	8.4	4193	278	2.11
L 38+00S 15+00E	S	0.9	34	461	8	3.7	3870	54	1.51
L 38+00S 15+25E	S	0.3	35	384	19	0.5	3220	197	2.09
L 38+00S 15+50E	S	0.6	32	345	15	0.1	3329	62	2.25
L 38+00S 15+75E	S	0.3	25	216	14	<	3444	31	1.42
L 38+00S 16+00E	S	1.1	28	218	16	<	3017	33	1.65
L 38+00S 16+25E	S	0.6	17	172	11	<	3179	21	1.25
L 38+00S 16+50E	S	0.4	15	81	8	<	1968	42	0.93
L 38+00S 16+75E	S	0.1	16	157	9	<	2034	40	1.29
L 38+00S 17+00E	S	0.7	28	236	21	0.5	2997	64	2.33
L 38+00S 17+25E	S	1.1	31	352	51	1.6	2488	194	4.35
Min Limit		0.1	2	1	5	0.1	2	1	0.01
Max Reported*		100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method		ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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CERTIFICATE OF ANALYSIS
iPL 95G2101

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Client: Inmet Mining Corporation   iPL: 95G2101   Out: Jul 25, 1995   Section 1 of 1
Project: 677   120 Soil   In: Jul 21, 1995   [048612:23:02:59072695]   Certified BC Assayer: David Chiu

Sample Name		Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L 38+00S 17+50E	S	0.6	22	320	5	2.0	1874	141	1.83
L 38+00S 17+75E	S	0.3	26	248	8	<	1676	54	1.51
L 38+00S 18+00E	S	0.9	24	328	10	3.8	2065	526	2.05
L 38+00S 18+25E	S	0.5	26	172	9	<	1911	45	1.73
L 38+00S 18+50E	S	0.4	13	93	11	<	1070	27	1.11
L 38+00S 18+75E	S	0.3	16	45	7	<	920	18	0.60
L 38+00S 19+00E	S	0.4	10	88	8	<	1426	23	0.85
L 38+00S 19+25E	S	0.2	23	126	17	<	1535	64	1.60
L 38+00S 19+50E	S	0.4	17	104	14	<	1570	27	1.28
L 38+00S 19+75E	S	0.4	10	52	7	<	1018	26	0.69
L 38+00S 20+00E	S	0.2	22	90	12	<	1327	28	1.24
L 38+00S 20+25E	S	4.5	23	501	12	9.9	1515	283	1.45
L 38+00S 20+50E	S	2.0	24	423	13	2.2	1970	101	2.06
L 38+00S 20+75E	S	0.6	25	160	11	1.7	1358	26	1.46
L 38+00S 21+00E	S	2.5	20	575	11	8.3	2101	1031	1.81
L 38+00S 21+25E	S	1.9	22	170	16	1.8	1886	144	2.26
L 38+00S 21+50E	S	1.1	23	156	11	3.8	1738	115	2.08
L 38+00S 21+75E	S	1.2	23	175	13	0.1	1941	94	2.18
L 38+00S 22+00E	S	3.1	21	166	8	4.3	1926	42	1.51
L 38+00S 22+25E	S	2.8	20	195	15	2.0	1926	93	1.93
L 38+00S 22+75E	S	0.2	17	86	17	2.2	1476	42	1.13
L 38+00S 23+00E	S	1.3	25	271	16	3.1	1763	97	2.01
L 38+00S 23+25E	S	1.1	23	171	13	0.9	1404	48	1.88
L 38+00S 23+50E	S	1.8	24	173	14	2.1	1705	124	2.11
L 38+00S 23+75E	S	1.8	21	402	12	6.6	1811	196	1.74
L 38+00S 24+00E	S	1.3	25	131	8	0.6	1631	52	1.78
L 38+00S 24+25E	S	0.5	17	94	14	<	1368	21	1.28
L 38+00S 24+50E	S	0.6	21	133	25	<	1468	30	2.27
L 38+00S 24+75E	S	0.6	16	91	13	<	1344	33	1.16
L 38+00S 25+00E	S	1.8	24	138	26	0.2	1517	85	2.35
L 38+00S 25+25E	S	1.6	24	180	11	1.9	1795	142	2.00
L 38+00S 25+50E	S	1.8	28	197	11	0.7	1504	133	1.95
L 38+00S 25+75E	S	1.6	27	148	9	0.5	1121	92	1.58
L 38+00S 26+00E	S	1.5	28	150	12	0.3	1495	81	2.09
L 38+00S 26+25E	S	1.8	24	135	11	<	1504	124	1.88
L 38+00S 26+50E	S	2.3	20	128	5	1.3	1297	133	1.62
L 38+00S 26+75E	S	1.8	24	156	8	0.6	1230	169	1.77
L 38+00S 27+00E	S	1.9	24	160	13	0.5	1461	142	2.09
L 38+00S 27+25E	S	0.3	18	46	5	<	1395	36	0.63
Min Limit		0.1	2	1	5	0.1	2	1	0.01
Max Reported*		100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method		ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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Fax (604) 879-7898

Client: Inmet Mining Corporation iPL: 95G2101 Out: Jul 25, 1995 Section 1 of 1
Project: 677 120 Soil In: Jul 21, 1995 [048612:23:08:59072695] Certified BC Assayer: David Chiu

Sample Name		Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L 38+00S 27+50E	S	1.1	20	58	10	<	1204	27	0.67
L 38+00S 27+75E	S	1.3	15	69	8	<	973	26	0.59
L 38+00S 28+00E	S	0.4	14	49	6	<	1365	25	0.51
L 38+00S 28+25E	S	0.3	23	36	9	<	1593	18	0.73
L 38+00S 28+50E	S	0.2	20	70	13	<	1165	32	1.90
L 38+00S 28+75E	S	0.1	13	38	8	<	1240	19	0.74
L 38+00S 29+00E	S	<	15	36	7	<	1209	22	0.63
L 38+00S 29+25E	S	0.5	18	66	6	<	1040	27	1.23
L 38+00S 29+50E	S	0.3	22	67	8	<	1427	25	0.96
L 38+00S 29+75E	S	0.6	25	31	18	<	1086	22	1.12
L 38+00S 30+00E	S	0.4	24	64	12	<	1118	38	1.17
L 50+00S 15+25E	S	0.5	23	100	8	<	730	47	1.11
L 50+00S 15+50E	S	<	19	54	5	<	1407	36	0.78
L 50+00S 15+75E	S	0.2	26	54	<	<	1651	25	0.79
L 50+00S 16+00E	S	0.2	25	34	6	<	1544	30	0.70
L 50+00S 16+25E	S	0.1	26	48	5	<	1745	32	0.92
L 50+00S 16+50E	S	0.1	21	38	7	<	2039	25	0.78
L 50+00S 16+75E	S	<	13	48	<	<	1335	24	0.50
L 50+00S 17+00E	S	0.3	46	215	16	<	2194	47	1.41
L 50+00S 17+25E	S	0.6	16	201	8	<	1235	57	1.03
L 50+00S 17+50E	S	0.4	31	110	13	0.4	1068	46	1.13
L 50+00S 17+75E	S	0.1	17	56	7	<	1221	37	0.97
L 50+00S 18+00E	S	0.2	28	94	10	<	1301	45	1.09
L 50+00S 18+25E	S	0.8	38	353	20	0.6	3378	53	2.39
L 50+00S 18+50E	S	0.3	34	214	19	<	3575	39	1.83
L 50+00S 18+75E	S	4.5	13	46	6	0.1	1897	44	0.58
L 50+00S 19+00E	S	0.8	33	103	9	<	2780	29	1.35
L 50+00S 19+25E	S	0.6	23	93	9	<	3444	25	1.10
L 50+00S 19+50E	S	1.5	18	85	6	0.4	3322	30	1.17
L 50+00S 19+75E	S	0.6	16	58	9	<	1204	27	0.67
L 50+00S 20+00E	S	0.5	26	193	9	3.8	4571	31	1.52
L 50+00S 20+25E	S	0.8	14	49	7	<	1355	25	0.51
L 50+00S 20+50E	S	0.5	48	220	15	<	2222	47	1.43
L 50+00S 20+75E	S	0.7	26	199	19	<	3099	45	1.95
L 50+00S 21+00E	S	1.0	28	178	12	0.3	3164	32	1.44
L 50+00S 21+25E	S	1.1	15	37	9	<	1206	22	0.64
L 50+00S 21+50E	S	1.0	18	109	10	1.0	2538	19	1.13
L 50+00S 21+75E	S	2.4	20	212	5	5.4	2808	38	1.44
L 50+00S 22+00E	S	0.9	13	38	6	<	1564	28	0.62
Min Limit		0.1	2	1	5	0.1	2	1	0.01
Max Reported*		100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method		ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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CERTIFICATE OF ANALYSIS
iPL 95G2101

Client: Inmet Mining Corporation   iPL: 95G2101   Out: Jul 25, 1995   Section 1 of 1
Project: 677   120 Soil   In: Jul 21, 1995   [048612:23:14:59072695]   Certified BC Assayer: David Chiu

Sample Name		Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L 50+00S 22+25E	S	0.6	19	95	12	<	1866	37	1.05
L 50+00S 22+50E	S	1.1	24	188	9	0.6	2238	102	1.95
L 50+00S 22+75E	S	1.2	23	478	13	7.9	2842	307	1.82

	Ag	Pb	Zn	As	Cd	Ba	Mn	Fe
Min Limit	0.1	2	1	5	0.1	2	1	0.01
Max Reported*	100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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iPL 95H0303

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Inmet Mining Corporation
Out: Aug 08, 1995 Project: 677
In : Aug 03, 1995 Shipper: Paul Baxter
PO#: 677-703 Shipment: ID=C034200
Msg: ICP(MuAc)08
Msg:

159 Samples 0= Rock 159= Soil 0= Core 0=RC Ct 0= Pulp 0=Other [055317:31:11:59080895]

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Analytical Summary

##	Code	Method	Title	Limit Low	Limit High	Units	Description	Element	##
01	771P	ICPM	Ag	0.1	100	ppm	Ag ICP(Multi-Acid)	Silver	01
02	764P	ICPM	Pb	2	20000	ppm	Pb ICP(Multi-Acid) Depres	Lead	02
03	780P	ICPM	Zn	1	20000	ppm	Zn ICP(Multi-Acid)	Zinc	03
04	753P	ICPM	As	5	10000	ppm	As ICP(Multi-Acid) Depres	Arsenic	04
05	757P	ICPM	Cd	0.1	10000	ppm	Cd ICP(Multi-Acid)	Cadmium	05
06	754P	ICPM	Ba	2	10000	ppm	Ba ICP(Multi-Acid)	Barium	06
07	766P	ICPM	Mn	1	10000	ppm	Mn ICP(Multi-Acid)	Manganese	07
08	762P	ICPM	Fe	0.01	5.00	%	Fe ICP(Multi-Acid)	Iron	08

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Client: Inmet Mining Corporation iPL: 95H0303 Out: Aug 08, 1995   Section 1 of 1
Project: 677 159 Soil In: Aug 03, 1995 [055317:17:26:59080895] Certified BC Assayer: David Chiu

Sample Name			Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L26+00S	5+25E	S	<	27	42	43	<	1036	28	0.48
L26+00S	5+75E	S	<	26	118	50	<	920	40	1.09
L26+00S	6+25E	S	<	170	47	49	<	570	37	0.40
L26+00S	6+75E	S	<	33	67	65	<	1304	67	0.94
L26+00S	7+25E	S	0.2	31	101	52	<	1198	57	1.02
L26+00S	7+75E	S	0.1	27	40	49	<	859	42	0.65
L26+00S	8+25E	S	<	29	59	52	<	1062	28	0.66
L26+00S	8+75E	S	<	34	138	59	<	1258	67	1.44
L26+00S	9+25E	S	<	36	242	59	0.4	1371	111	1.87
L26+00S	9+75E	S	<	27	154	50	0.3	1086	198	1.50
L26+00S	10+25E	S	<	19	78	48	<	910	105	1.04
L26+00S	10+75E	S	<	40	181	65	0.1	1227	241	2.59
L26+00S	11+25E	S	<	38	203	61	1.3	1930	328	2.47
L26+00S	11+75E	S	<	40	188	57	0.5	1641	144	2.32
L26+00S	12+00E	S	0.3	43	252	47	2.4	1541	334	2.09
L26+00S	12+25E	S	<	54	587	62	6.1	3597	263	2.37
L26+00S	12+50E	S	0.1	30	1585	35	11.9	1932	279	1.21
L26+00S	12+75E	S	0.1	33	304	52	1.5	1821	253	1.75
L26+00S	13+00E	S	0.6	42	467	55	4.3	2947	304	2.49
L26+00S	13+25E	S	0.2	43	747	60	4.0	3333	338	2.25
L26+00S	13+50E	S	0.2	47	346	60	2.5	2537	293	2.15
L26+00S	14+00E	S	0.1	32	353	53	1.5	2167	247	1.97
L26+00S	14+25E	S	<	35	344	50	1.8	2402	265	1.79
L26+00S	14+50E	S	0.1	47	533	60	3.1	3737	365	2.55
L26+00S	14+75E	S	<	50	566	71	3.1	3354	381	2.54
L26+00S	15+00E	S	0.1	42	456	69	1.9	2886	352	2.59
L26+00S	16+00E	S	<	39	229	64	1.0	2360	67	2.30
L26+00S	16+25E	S	<	43	238	75	0.8	2517	67	2.31
L26+00S	16+50E	S	0.1	49	253	79	1.1	1855	113	3.28
L26+00S	16+75E	S	1.2	138	86	42	1.5	929	40	1.42
L26+00S	17+00E	S	0.5	37	139	57	0.6	1559	52	1.65
L26+00S	17+25E	S	0.3	64	96	58	<	1437	53	1.24
L26+00S	17+50E	S	0.2	36	125	66	0.9	1668	53	2.13
L26+00S	17+75E	S	0.2	42	255	72	1.0	1893	89	2.54
L26+00S	18+00E	S	2.2	45	185	77	0.3	2282	58	2.49
L26+00S	18+25E	S	0.2	24	116	56	0.4	1900	40	1.19
L26+00S	18+50E	S	0.9	29	117	51	0.2	2121	86	0.95
L26+00S	18+75E	S	0.3	31	141	64	<	2239	55	1.67
L26+00S	19+00E	S	0.2	25	76	61	<	1378	48	1.30
Min Limit			0.1	2	1	5	0.1	2	1	0.01
Max Reported*			100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method			ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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Client: Inmet Mining Corporation   iPL: 95H0303   Out: Aug 08, 1995   Page 2 of 5   Section 1 of 1
Project: 677   159 Soil   In: Aug 03, 1995   [055317:17:32:59080895]   Certified BC Assayer: David Chiu

Sample Name		Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L26+00S 19+25E	S	0.2	20	82	43	<	1579	32	1.62
L26+00S 19+50E	S	1.9	21	51	44	0.2	1196	48	0.53
L26+00S 19+75E	S	1.5	34	52	28	1.4	1028	33	0.72
L26+00S 20+00E	S	2.4	55	72	52	0.5	1147	27	1.12
L26+00S 20+25E	S	4.8	35	416	75	6.1	1173	145	2.09
L26+00S 20+50E	S	3.8	37	105	68	0.7	927	30	1.37
L26+00S 20+75E	S	5.6	31	159	56	3.9	1540	46	1.33
L26+00S 21+00E	S	4.3	42	95	68	<	1547	50	1.57
L26+00S 21+25E	S	4.2	32	263	63	3.5	835	38	1.62
L26+00S 21+50E	S	7.7	31	113	70	1.5	1160	37	1.76
L26+00S 21+75E	S	4.6	28	119	59	7.2	1252	43	1.59
L26+00S 22+00E	S	4.4	35	179	82	3.2	2145	493	2.09
L26+00S 22+25E	S	6.3	28	594	75	8.0	2510	153	2.52
L26+00S 22+50E	S	3.8	33	2139	74	59.8	1884	1483	2.89
L26+00S 22+75E	S	8.4	19	539	43	12.9	1664	59	1.56
L26+00S 23+00E	S	3.8	33	600	67	3.7	2241	378	3.53
L26+00S 23+25E	S	2.7	34	148	70	0.8	2924	57	1.75
L26+00S 23+50E	S	2.3	39	250	79	0.8	2916	69	2.98
L26+00S 23+75E	S	1.0	23	101	65	2.3	3028	41	1.09
L26+00S 24+00E	S	2.2	38	299	69	3.8	3089	89	2.61
L26+00S 24+25E	S	2.6	37	397	76	3.7	2858	196	2.97
L26+00S 24+50E	S	1.6	38	429	71	2.7	2414	152	2.81
L26+00S 24+75E	S	5.7	42	179	78	0.8	5518	56	3.08
L26+00S 25+00E	S	2.3	35	158	71	1.8	2379	170	2.42
L26+00S 25+25E	S	4.0	37	256	73	1.8	2187	70	2.83
L26+00S 25+50E	S	4.3	36	54	56	<	1808	24	0.90
L26+00S 25+75E	S	2.5	40	130	70	0.6	2232	33	1.68
L26+00S 26+00E	S	1.1	32	225	71	0.5	1733	35	1.68
L26+00S 26+25E	S	9.8	37	206	86	1.5	2935	66	3.99
L26+00S 26+50E	S	2.3	38	81	66	<	4207	18	1.09
L26+00S 26+75E	S	1.4	29	86	47	0.1	2479	22	1.02
L26+00S 27+00E	S	3.8	44	158	67	<	1005	21	1.71
L26+00S 27+25E	S	0.2	32	103	74	<	1041	26	1.23
L26+00S 27+50E	S	0.8	22	56	48	<	987	35	0.92
L26+00S 27+75E	S	0.6	30	128	52	<	1383	65	1.60
L26+00S 28+00E	S	0.8	26	173	51	1.5	1228	196	1.74
L26+00S 28+25E	S	0.9	36	789	72	5.2	1978	565	3.63
L31+50S 16+25E	S	0.3	21	269	42	6.4	1130	390	1.52
L31+50S 16+50E	S	0.8	32	379	55	4.6	2127	260	2.31
Min Limit		0.1	2	1	5	0.1	2	1	0.01
Max Reported*		100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method		ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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Client: Inmet Mining Corporation   iPL: 95H0303   Out: Aug 08, 1995   Section 1 of 1
Project: 677   159 Soil   In: Aug 03, 1995   [055317:17:39:59080895]   Certified BC Assayer: David Chiu

Sample Name		Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L31+50S 16+75E	S	0.9	35	312	61	1.2	2202	80	2.37
L31+50S 17+00E	S	1.5	31	124	51	1.4	2022	59	1.33
L31+50S 17+25E	S	0.4	24	121	56	0.3	2259	37	1.28
L31+50S 17+50E	S	2.7	34	129	71	<	2767	35	1.84
L31+50S 17+75E	S	1.3	37	199	65	2.2	2782	48	1.95
L31+50S 18+00E	S	0.6	26	920	69	13.2	1631	62	2.37
L31+50S 18+25E	S	0.6	27	423	145	2.3	2088	46	1.74
L31+50S 18+50E	S	0.9	31	65	55	<	3459	17	0.91
L31+50S 18+75E	S	1.2	39	59	63	<	3212	19	1.29
L31+50S 19+00E	S	0.6	34	40	59	<	3239	14	0.86
L31+50S 19+25E	S	0.2	21	49	36	<	1148	16	0.50
L31+50S 19+50E	S	1.7	41	78	61	<	1938	15	1.48
L31+50S 19+75E	S	6.3	38	126	68	2.7	2326	31	1.63
L31+50S 20+00E	S	3.6	39	103	67	<	2054	23	1.51
L31+50S 20+25E	S	1.5	29	89	53	0.2	1183	22	0.98
L31+50S 20+50E	S	2.9	35	120	61	0.3	1384	32	1.22
L31+50S 20+75E	S	0.5	22	81	38	1.2	956	26	0.74
L31+50S 21+00E	S	3.5	33	81	66	0.7	1547	26	1.26
L31+50S 21+25E	S	2.8	30	54	57	0.8	3558	27	0.85
L31+50S 21+50E	S	0.9	26	47	53	0.3	1187	50	0.44
L31+50S 21+75E	S	1.0	36	94	66	1.1	1376	35	1.62
L31+50S 22+00E	S	0.3	29	81	54	<	1392	50	1.12
L31+50S 22+25E	S	1.0	36	131	82	0.3	1328	75	2.56
L31+50S 22+50E	S	0.2	21	91	48	<	875	34	0.87
L31+50S 22+75E	S	0.8	42	146	69	<	1075	57	1.87
L31+50S 23+00E	S	2.0	27	101	54	0.2	577	28	1.11
L31+50S 23+25E	S	0.6	23	76	44	<	524	56	1.05
L31+50S 23+50E	S	0.5	23	80	53	<	556	41	0.90
L31+50S 23+75E	S	2.4	23	30	39	<	565	23	1.04
L31+50S 24+00E	S	0.8	28	123	70	0.4	1477	30	3.37
L31+50S 24+25E	S	0.5	19	41	36	<	531	22	0.51
L31+50S 24+50E	S	0.8	27	208	74	<	1328	18	1.36
L31+50S 24+75E	S	0.2	22	103	59	<	1147	28	1.05
L31+50S 25+00E	S	1.6	26	274	71	0.1	1174	31	2.64
L31+50S 25+25E	S	10.3	63	197	86	0.7	5486	40	2.84
L31+50S 25+50E	S	1.3	32	204	73	<	1718	21	1.88
L31+50S 25+75E	S	7.2	25	215	100	<	4234	86	4.86
L31+50S 26+00E	S	4.3	36	305	85	0.7	3743	26	3.71
L31+50S 26+25E	S	5.6	41	190	106	<	3811	29	3.79
Min Limit		0.1	2	1	5	0.1	2	1	0.01
Max Reported*		100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method		ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

---=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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Client: Inmet Mining Corporation   iPL: 95H0303   Out: Aug 08, 1995   Section 1 of 1
Project: 677   159 Soil   In: Aug 03, 1995   [055317:17:45:59080895]   Certified BC Assayer: David Chiu

Sample Name		Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L31+50S 26+50E	S	3.8	32	187	91	0.9	2671	60	2.84
L31+50S 26+75E	S	5.8	29	297	70	4.8	4339	112	2.31
L31+50S 27+00E	S	3.3	29	250	69	2.0	3916	138	2.60
L31+50S 27+25E	S	2.0	35	184	65	0.9	2421	66	2.72
L31+50S 27+50E	S	6.4	39	322	76	2.2	2215	167	3.19
L31+50S 27+75E	S	1.3	39	206	60	0.7	1386	45	2.23
L31+50S 28+00E	S	2.7	47	152	65	0.4	1888	61	2.07
L31+50S 28+25E	S	0.4	29	99	59	<	942	25	1.48
L31+50S 28+50E	S	0.1	24	59	51	<	647	28	1.04
L31+50S 28+75E	S	0.1	15	42	31	<	531	19	0.58
L31+50S 29+00E	S	0.5	53	209	82	<	1916	23	2.27
L31+50S 29+25E	S	1.0	31	273	80	<	1080	52	2.26
L31+50S 29+50E	S	0.5	33	191	66	<	1388	47	1.94
L31+50S 29+75E	S	2.8	34	418	79	2.5	1453	562	5.6%
L31+50S 30+00E	S	0.7	26	163	55	<	882	47	1.71
L31+50S 30+25E	S	4.1	34	163	74	0.3	5817	89	2.32
L31+50S 30+50E	S	2.3	38	221	74	2.1	1857	53	2.43
L31+50S 30+75E	S	2.0	31	155	57	0.8	1003	251	2.55
L31+50S 31+00E	S	2.4	37	172	63	1.5	1006	243	2.74
L32+00S 6+00E	S	1.6	33	498	56	2.1	969	208	3.00
L32+00S 6+50E	S	0.2	29	121	55	0.1	976	238	1.78
L32+00S 7+00E	S	<	29	107	48	0.4	988	144	2.39
L32+00S 7+50E	S	<	20	78	49	<	878	46	0.98
L32+00S 8+00E	S	0.1	26	184	56	0.5	973	124	2.06
L32+00S 8+50E	S	<	24	80	55	<	779	76	1.43
L32+00S 9+00E	S	<	32	114	52	0.3	875	163	2.74
L32+00S 9+50E	S	0.4	27	181	50	0.9	1579	222	1.88
L32+00S 10+00E	S	<	27	112	48	<	981	54	1.24
L32+00S 10+50E	S	0.3	28	184	44	1.2	2144	187	1.65
L32+00S 11+00E	S	0.3	26	181	36	1.3	1899	157	1.53
L32+00S 11+25E	S	0.6	25	198	43	1.1	1759	278	1.73
L32+00S 12+00E	S	0.2	29	135	56	<	1452	57	1.78
L32+00S 12+50E	S	0.2	31	281	53	3.7	1794	252	2.05
L32+00S 12+75E	S	0.8	31	379	50	4.0	2020	391	2.14
L32+00S 13+00E	S	0.6	29	265	59	1.2	2143	237	1.99
L32+00S 13+25E	S	0.9	27	244	48	1.8	2359	83	1.70
L32+00S 13+50E	S	0.2	31	147	48	2.5	1892	118	1.51
L32+00S 13+75E	S	0.3	30	320	63	1.8	2402	274	2.20
L32+00S 14+00E	S	0.6	24	290	54	2.3	1964	348	2.03
Min Limit		0.1	2	1	5	0.1	2	1	0.01
Max Reported*		100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method		ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

---=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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CERTIFICATE OF ANALYSIS
iPL 95H0303

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Fax (604) 879-7898

Client: Inmet Mining Corporation — iPL: 95H0303 — Out: Aug 08, 1995 — — Section 1 of 1
Project: 677 159 Soil — In: Aug 03, 1995 — [055317:17:51:59080895] — Certified BC Assayer: David Chiu

Sample Name		Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L32+00S 14+25E	S	0.6	27	301	54	2.5	1775	334	2.04
L32+00S 5+50S	S	<	28	211	55	0.1	1065	118	1.90
L 2+00N 0+75W AKIE	S	0.2	43	286	76	<	3849	243	2.86
Min Limit		0.1	2	1	5	0.1	2	1	0.01
Max Reported*		100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method		ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 95H1008

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Inmet Mining Corporation

Out: Aug 16, 1995 Project: 677
In : Aug 10, 1995 Shipper: Paul Baxter
PO#: Shipment: ID=C034200
Msg: ICP(MuAc)08
Msg:

201 Samples 0= Rock 201= Soil 0= Core 0=RC Ct 0= Pulp 0=Other [059116:48:07:59081695]

	Rock	Soil	Core	RC Ct	Pulp	Other	
Raw Storage:	--	00Mon/Dis	--	--	--	--	Mon=Month Dis=Discard
Pulp Storage:	--	12Mon/Dis	--	--	--	--	Rtn=Return Arc=Archive

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ATT: Paul Baxter
Ph:604/681-3771
Fx:604/681-3360

Analytical Summary

##	Code	Method	Title	Limit Low	Limit High	Units	Description	Element	##
01	771P	ICPM	Ag	0.1	100	ppm Ag	ICP(Multi-Acid)	Silver	01
02	764P	ICPM	Pb	2	20000	ppm Pb	ICP(Multi-Acid) Depres	Lead	02
03	780P	ICPM	Zn	1	20000	ppm Zn	ICP(Multi-Acid)	Zinc	03
04	753P	ICPM	As	5	10000	ppm As	ICP(Multi-Acid) Depres	Arsenic	04
05	757P	ICPM	Cd	0.1	10000	ppm Cd	ICP(Multi-Acid)	Cadmium	05
06	754P	ICPM	Ba	2	10000	ppm Ba	ICP(Multi-Acid)	Barium	06
07	766P	ICPM	Mn	1	10000	ppm Mn	ICP(Multi-Acid)	Manganese	07
08	762P	ICPM	Fe	0.01	5.00	% Fe	ICP(Multi-Acid)	Iron	08

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CERTIFICATE OF ANALYSIS
iPL 95H1008

Client: Inmet Mining Corporation
Project: 677 201 Soil

iPL: 95H1008

Out: Aug 16, 1995
In: Aug 10, 1995

 [059116:48:11:59081695]

Section 1 of 1

Certified BC Assayer: David Chiu

Sample Name	Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L 8+00S 18+50ES	1.0	49	165	58	0.2	4809	50	2.65
L 8+00S 18+75ES	1.7	46	164	70	<	3088	76	3.67
L 8+00S 19+00ES	1.5	39	111	63	<	2265	42	2.87
L 8+00S 19+25ES	0.7	38	113	42	<	1998	37	1.63
L 8+00S 19+50ES	1.0	36	102	45	<	2064	78	2.13
L 8+00S 19+75ES	0.7	35	104	35	0.6	2069	26	1.47
L 8+00S 20+00ES	0.9	34	102	38	<	2294	23	1.49
L 8+00S 20+25ES	2.7	27	120	32	<	1980	24	1.28
L 8+00S 20+50ES	1.2	37	102	38	<	2233	32	1.78
L 8+00S 20+75ES	0.9	32	102	38	<	1991	23	1.60
L 8+00S 21+00ES	2.0	33	139	42	<	1761	36	1.81
L 8+00S 21+25ES	0.9	28	116	42	<	1214	49	1.57
L 8+00S 21+50ES	0.9	17	74	24	<	884	27	0.82
L 8+00S 21+75ES	0.6	19	101	32	<	1039	29	1.12
L 8+00S 22+00ES	0.7	19	52	28	<	835	17	0.59
L 8+00S 22+25ES	0.8	23	98	34	<	774	61	1.37
L 8+00S 22+50ES	3.9	15	78	28	<	789	18	0.70
L 8+00S 22+75ES	0.9	18	123	33	<	1018	36	1.31
L 8+00S 23+00ES	0.3	24	101	44	<	1168	23	1.42
L 8+00S 23+25ES	0.7	27	87	37	<	1489	26	1.20
L 8+00S 23+50ES	3.6	32	184	40	<	1338	37	2.52
L 8+00S 23+75ES	3.7	18	57	36	<	1368	14	0.81
L 8+00S 24+00ES	0.7	21	47	37	<	1265	17	0.81
L 8+00S 24+25ES	1.5	35	168	57	<	1706	33	2.84
L 8+00S 24+50ES	23.0	48	235	40	4.0	4560	1286	3.01
L 8+00S 24+75ES	2.5	22	2290	51	25.7	3184	2460	6.8%
L 8+00S 25+00ES	7.9	27	445	55	0.2	3075	468	4.30
L 8+00S 25+25ES	7.2	36	117	53	<	3972	21	2.19
L 8+00S 25+50ES	1.3	29	135	44	<	2378	38	2.92
L 8+00S 25+75ES	0.8	20	138	40	<	2714	25	3.06
L 8+00S 26+00ES	0.9	22	64	33	<	2102	19	1.04
L 8+00S 26+25ES	1.4	23	54	37	<	1858	13	0.81
L 8+00S 26+50ES	0.5	26	62	31	<	1764	13	0.84
L 8+00S 26+75ES	1.1	25	52	39	<	1775	11	0.87
L 8+00S 27+00ES	1.5	30	54	43	<	1863	41	1.32
L 8+00S 27+25ES	1.1	23	29	37	<	2113	26	0.81
L 8+00S 27+50ES	2.1	35	37	47	<	2374	19	1.43
L 8+00S 27+75ES	3.7	34	102	68	<	3084	53	2.67
L 8+00S 28+00ES	3.1	29	73	44	<	2279	24	2.17
Min Limit	0.1	2	1	5	0.1	2	1	0.01
Max Reported*	100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 95H1008

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Client: Inmet Mining Corporation　　iPL: 95H1008　　Out: Aug 16, 1995　　　　Section 1 of 1
Project: 677　　201 Soil　　In: Aug 10, 1995　　[059116:48:17:59081695]　　Certified BC Assayer: David Chiu

Sample Name	Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L 8+00S 28+25ES	2.1	24	107	48	<	2191	34	2.32
L 8+00S 28+50ES	1.9	25	81	51	<	2309	29	2.11
L 8+00S 28+75ES	1.4	25	123	31	<	1960	67	2.35
L 8+00S 29+00ES	1.9	30	88	39	<	2546	43	1.80
L 8+00S 29+25ES	1.6	20	26	42	<	2696	14	0.56
L 8+00S 29+50ES	2.8	27	93	50	<	2117	30	2.53
L 8+00S 29+75ES	3.3	28	90	51	<	3148	22	2.68
L 8+00S 30+00ES	3.3	38	14	48	<	4722	6	1.45
L 8+00S 30+25ES	1.7	28	115	48	<	3021	22	1.62
L 8+00S 30+50ES	0.3	23	35	33	<	3478	18	0.62
L 8+00S 30+75ES	2.4	35	102	42	<	2344	22	1.47
L 8+00S 31+00ES	0.5	17	82	31	<	888	30	0.81
L 8+00S 31+25ES	0.3	16	71	26	<	823	34	0.78
L 8+00S 31+50ES	0.4	18	86	34	<	1154	34	1.02
L 8+00S 31+75ES	0.5	17	38	28	<	1502	25	0.59
L 8+00S 32+00ES	1.4	21	33	20	<	1974	21	0.55
L 8+00S 32+25ES	1.5	23	56	23	<	2294	29	0.87
L 8+00S 32+50ES	1.4	23	37	27	<	1385	32	0.69
L 8+00S 32+75ES	7.1	22	62	32	<	5449	22	1.05
L 8+00S 33+00ES	1.7	20	24	28	<	2182	19	0.59
L 8+00S 33+25ES	2.2	24	51	37	<	4131	35	1.20
L 8+00S 33+50ES	0.9	29	67	36	<	2921	31	1.16
L 8+00S 33+75ES	0.8	30	69	30	<	2906	23	0.97
L 8+00S 34+00ES	1.4	22	37	28	<	4062	19	0.65
L 8+00S 34+25ES	1.0	39	121	35	<	2493	29	1.60
L 8+00S 34+50ES	2.3	33	106	40	<	3155	29	1.31
L 8+00S 34+75ES	1.4	33	766	33	5.1	1532	341	2.56
L 8+00S 35+00ES	0.7	25	73	29	<	3504	42	1.04
L 8+00S 35+25ES	<	28	115	33	<	1225	150	1.87
L 8+00S 35+50ES	<	41	312	47	0.8	735	323	2.33
L 8+00S 35+75ES	0.5	28	190	43	<	1035	290	1.93
~~L 8+00S 36+00ES~~	~~0.1~~	~~17~~	~~92~~	~~14~~	~~0.3~~	~~507~~	~~706~~	~~0.88~~
L14+00S 17+50ES	1.7	26	14542	83	154.6	1939	8533	12%
L14+00S 17+75ES	1.5	26	17917	90	222.3	1003	1.2%	15%
L14+00S 18+00ES	1.5	35	1113	67	7.7	4596	544	4.18
L14+00S 18+25ES	3.3	29	971	70	2.9	4209	753	6.4%
L14+00S 18+50ES	1.2	35	281	53	3.7	2736	68	2.58
L14+00S 18+75ES	3.1	28	138	42	0.2	1667	45	1.52
L14+00S 19+00ES	2.3	30	107	55	<	1875	35	1.79
Min Limit	0.1	2	1	5	0.1	2	1	0.01
Max Reported*	100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

---=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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CERTIFICATE OF ANALYSIS
iPL 95H1008

Client: Inmet Mining Corporation
Project: 677 201 Soil

iPL: 95H1008

Out: Aug 16, 1995
In: Aug 10, 1995

 Section 1 of 1

[059116:48:23:59081695]

Certified BC Assayer: David Chiu

Sample Name	Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L14+00S 19+25E S	2.1	24	114	37	0.5	1789	23	1.30
L14+00S 19+50E S	1.8	20	71	29	0.2	1850	24	1.17
L14+00S 19+75E S	0.9	23	80	24	<	1371	24	1.04
L14+00S 20+00E S	1.4	15	56	18	<	1002	15	0.64
L14+00S 20+25E S	2.4	22	50	35	0.5	1916	15	0.95
L14+00S 20+50E S	1.2	25	97	40	0.1	1765	21	2.10
L14+00S 20+75E S	0.7	22	58	36	<	1873	20	1.04
L14+00S 21+00E S	1.6	25	71	54	<	1659	23	1.72
L14+00S 21+25E S	0.3	19	34	28	<	1113	20	0.65
L14+00S 21+50E S	0.1	16	40	24	<	991	16	0.54
L14+00S 21+75E S	0.9	27	50	34	<	1482	18	1.10
L14+00S 22+00E S	1.3	25	64	44	<	1344	26	1.95
L14+00S 22+25E S	0.6	16	22	31	<	1135	13	0.56
L14+00S 22+50E S	0.3	32	28	38	<	1202	23	1.30
L14+00S 22+75E S	0.6	20	20	34	<	957	16	0.66
L14+00S 23+00E S	0.2	21	18	30	<	942	19	0.54
L14+00S 23+25E S	1.0	23	27	28	<	1105	24	0.73
L14+00S 23+50E S	0.3	21	35	31	<	1114	29	0.96
L14+00S 23+75E S	0.5	24	38	31	<	1953	21	0.80
L14+00S 24+00E S	0.9	21	21	30	<	1560	13	0.47
L14+00S 24+25E S	0.5	21	43	36	<	2099	21	0.75
L14+00S 24+50E S	1.1	20	50	44	<	2374	15	0.94
L14+00S 24+75E S	0.8	20	22	31	<	1636	24	0.62
L14+00S 25+00E S	1.0	16	30	28	<	1610	22	0.77
L14+00S 25+25E S	1.1	25	47	62	<	1850	35	1.05
L14+00S 25+50E S	1.2	36	51	60	<	2144	41	1.03
L14+00S 25+75E S	0.3	22	37	63	<	2172	26	0.74
L14+00S 26+00E S	0.8	35	96	81	<	2675	17	1.97
L14+00S 26+25E S	1.9	26	60	71	<	2256	19	1.18
L14+00S 26+50E S	1.1	26	84	62	<	1969	13	0.68
L14+00S 26+75E S	1.5	32	53	83	<	2117	16	1.11
L14+00S 27+00E S	2.5	32	68	86	<	1861	38	2.47
L14+00S 27+25E S	2.2	33	79	93	<	2117	16	2.53
L14+00S 27+50E S	0.6	21	50	62	<	1891	23	0.67
L14+00S 27+75E S	1.6	26	49	80	<	2895	14	1.44
L14+00S 28+00E S	1.9	25	57	72	<	2430	17	1.08
L14+00S 28+25E S	1.9	24	367	73	1.9	1809	88	3.25
L14+00S 28+50E S	2.0	27	169	81	2.0	2200	33	2.17
L14+00S 28+75E S	1.0	31	258	79	10.7	2189	777	1.43
Min Limit	0.1	2	1	5	0.1	2	1	0.01
Max Reported*	100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

---=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 95H1008

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Client: Inmet Mining Corporation | iPL: 95H1008 | Out: Aug 16, 1995 | | Section 1 of 1

Project: 677 201 Soil | In: Aug 10, 1995 | [059116:48:29:59081695] | Certified BC Assayer: David Chiu

Sample Name	Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L14+00S 29+00ES	2.3	36	83	97	<	5963	16	1.85
L14+00S 29+25ES	2.3	28	54	76	<	4206	23	1.56
L14+00S 29+50ES	5.2	32	75	75	<	4480	17	1.16
L14+00S 29+75ES	1.6	23	96	58	<	2640	22	1.22
L14+00S 30+00ES	2.4	30	114	70	<	2429	33	1.82
L14+00S 30+25ES	3.2	29	330	81	1.0	2608	576	4.08
L14+00S 30+50ES	3.9	25	72	58	<	2441	22	1.19
L14+00S 30+75ES	7.7	28	90	75	<	1911	35	2.05
L14+00S 31+00ES	0.4	35	103	66	<	750	35	1.24
L14+00S 31+25ES	1.2	19	95	46	<	945	55	0.80
L14+00S 31+50ES	1.4	31	101	65	<	1587	27	1.60
L14+00S 31+75ES	1.3	41	169	66	<	1139	23	1.79
L14+00S 32+00ES	0.5	23	58	58	<	1530	25	0.91
L14+00S 32+25ES	1.0	28	46	59	<	1168	28	1.15
L14+00S 32+50ES	1.1	20	39	42	<	757	23	0.74
L14+00S 32+75ES	2.4	31	90	70	<	2591	50	1.73
L14+00S 33+00ES	0.9	24	69	56	<	2652	34	1.02
L14+00S 33+25ES	2.3	27	65	72	<	3606	33	1.16
L14+00S 33+50ES	1.0	24	33	59	<	3067	25	0.64
L14+00S 33+75ES	1.6	12	854	65	<	5268	37	11%
L14+00S 34+00ES	1.6	28	61	68	<	3610	19	1.09
L20+00S 17+50ES	1.5	13	468	35	5.1	2153	261	1.28
L20+00S 17+75ES	0.9	25	177	52	1.6	2067	117	1.55
L20+00S 18+00ES	1.0	28	276	73	1.2	2587	62	2.08
L20+00S 18+25ES	1.0	32	173	64	0.4	2751	55	2.06
L20+00S 18+50ES	0.8	27	113	54	<	2054	34	1.22
L20+00S 18+75ES	1.2	25	102	51	<	2346	32	1.37
L20+00S 19+00ES	0.8	25	118	63	<	2461	37	1.43
L20+00S 19+25ES	0.9	26	144	60	<	2495	22	1.58
L20+00S 19+50ES	0.7	27	56	42	<	2361	24	0.97
L20+00S 19+75ES	1.0	27	74	59	<	2035	37	1.27
L20+00S 20+00ES	0.5	21	45	53	<	1481	20	0.69
L20+00S 20+25ES	1.2	31	65	58	<	1794	53	1.17
L20+00S 20+50ES	1.3	16	24	49	<	1471	16	0.42
L20+00S 20+75ES	2.0	28	82	65	<	1740	51	1.51
L20+00S 21+00ES	1.5	26	69	53	<	1498	24	0.97
L20+00S 21+25ES	1.0	23	86	64	<	1959	29	1.25
L20+00S 21+50ES	2.3	29	101	68	<	2933	21	1.76
L20+00S 21+75ES	3.2	30	101	74	0.5	2741	31	2.31
Min Limit	0.1	2	1	5	0.1	2	1	0.01
Max Reported*	100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

iPL
INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 95H1008

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Client: Inmet Mining Corporation iPL: 95H1008 Out: Aug 16, 1995   Section 1 of 1
Project: 677 201 Soil In: Aug 10, 1995 [059116:48:35:59081695] Certified BC Assayer: David Chiu

Sample Name	Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L20+00S 22+00ES	11.2	41	218	83	1.4	3742	32	3.09
L20+00S 22+25ES	9.0	43	258	144	0.9	2542	48	5.6%
L20+00S 22+50ES	4.4	37	145	75	0.8	3504	55	2.29
L20+00S 22+75ES	1.9	31	165	84	0.3	2544	40	2.11
L20+00S 23+00ES	1.8	32	133	83	<	2468	22	2.96
L20+00S 23+25ES	0.8	31	99	61	<	2152	17	1.31
L20+00S 23+50ES	1.8	32	152	66	0.4	2433	43	2.17
L20+00S 23+75ES	2.8	40	199	80	2.4	2164	44	2.42
L20+00S 24+00ES	1.6	34	237	87	1.8	2257	174	2.88
L20+00S 24+25ES	0.8	33	128	88	1.0	2803	25	2.08
L20+00S 24+50ES	1.8	35	154	88	0.3	2339	33	2.56
L20+00S 24+75ES	2.0	30	238	85	0.9	2650	50	2.79
L20+00S 25+00ES	1.9	26	139	69	<	2553	38	2.15
L20+00S 25+25ES	1.2	27	108	63	<	1715	47	1.61
L20+00S 25+50ES	1.2	26	109	67	<	2103	35	1.55
L20+00S 25+75ES	3.2	18	70	56	<	2781	19	0.94
L20+00S 26+00ES	0.2	20	78	51	<	1058	24	0.94
L20+00S 26+25ES	2.4	30	96	59	<	1594	28	1.38
L20+00S 26+50ES	0.5	27	91	58	0.7	1510	43	1.31
L20+00S 26+75ES	0.5	26	125	57	3.8	1167	123	1.13
L20+00S 27+00ES	0.2	21	80	50	<	1166	41	1.13
L20+00S 27+25ES	3.0	33	85	78	<	3450	31	1.94
L20+00S 27+50ES	2.0	23	72	76	<	3508	27	1.26
L20+00S 27+75ES	4.7	38	53	83	<	4300	15	1.76
L20+00S 28+00ES	2.1	28	95	62	<	2108	30	1.45
L20+00S 28+25ES	1.4	35	120	71	<	2423	28	1.61
L20+00S 28+50ES	2.5	<	208	<	<	136	9	20%
L20+00S 28+75ES	2.8	27	67	84	<	2498	18	2.52
L20+00S 29+00ES	2.9	32	100	70	<	2326	34	2.14
L20+00S 29+25ES	1.5	26	136	60	0.6	1976	68	2.35
L20+00S 29+50ES	4.8	31	54	57	<	2797	30	1.08
L20+00S 29+75ES	2.1	24	65	50	<	1291	19	0.99
L20+00S 30+00ES	2.0	24	46	47	<	906	16	0.56
L20+00S 30+25ES	0.1	13	50	44	<	2153	19	0.71
L20+00S 30+50ES	1.9	28	149	58	<	1971	44	2.12
L20+00S 30+75ES	1.2	51	145	74	0.2	2002	35	2.16
L20+00S 31+00ES	1.2	42	197	71	0.5	1640	55	1.84
L20+00S 31+25ES	1.5	30	165	52	0.5	1340	26	1.13
L20+00S 31+50ES	1.7	29	265	57	1.8	1167	95	2.09
Min Limit	0.1	2	1	5	0.1	2	1	0.01
Max Reported*	100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
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Fax (604) 879-7898

Client: Inmet Mining Corporation　　iPL: 95H1008　　Out: Aug 16, 1995　　　　Section 1 of 1
Project: 677　　201 Soil　　In: Aug 10, 1995　　[059116:48:41:59081695]　　Certified BC Assayer: David Chiu

Sample Name	Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L20+00S 31+75ES	1.1	39	225	60	1.2	1163	132	2.03
L20+00S 32+00ES	1.3	34	230	61	1.2	1196	167	2.05
L20+00S 32+25ES	0.9	32	175	63	1.5	1150	109	2.10
L20+00S 32+50ES	1.4	37	207	68	0.8	1202	147	2.13
L20+00S 32+75ES	1.0	32	183	57	1.2	1111	200	1.89
L20+00S 33+00ES	1.2	30	183	53	<	1163	127	1.99
Min Limit	0.1	2	1	5	0.1	2	1	0.01
Max Reported*	100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 95H1606

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Inmet Mining Corporation
Out: Aug 23, 1995 Project: 677
In : Aug 16, 1995 Shipper: Paul Baxter
PO#: 677-703 Shipment: ID=C034200
Msg: ICP(MuAc)08
Msg:

145 Samples 0= Rock 145= Soil 0= Core 0=RC Ct 0= Pulp 0=Other [061011:37:21:59082395]

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0	0	0	1	0

ATT: Paul Baxter Ph:604/681-3771
Fx:604/681-3360

Analytical Summary

##	Code	Method	Title	Limit Low	Limit High	Units	Description	Element	##
01	771P	ICPM	Ag	0.1	100	ppm	Ag ICP(Multi-Acid)	Silver	01
02	764P	ICPM	Pb	2	20000	ppm	Pb ICP(Multi-Acid) Depres	Lead	02
03	780P	ICPM	Zn	1	20000	ppm	Zn ICP(Multi-Acid)	Zinc	03
04	753P	ICPM	As	5	10000	ppm	As ICP(Multi-Acid) Depres	Arsenic	04
05	757P	ICPM	Cd	0.1	10000	ppm	Cd ICP(Multi-Acid)	Cadmium	05
06	754P	ICPM	Ba	2	10000	ppm	Ba ICP(Multi-Acid)	Barium	06
07	766P	ICPM	Mn	1	10000	ppm	Mn ICP(Multi-Acid)	Manganese	07
08	762P	ICPM	Fe	0.01	5.00	%	Fe ICP(Multi-Acid)	Iron	08

Done

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DL=DownLoad 3D=3-1/2 Disk 5D=5-1/4 Disk BT=BBS Type BL=BBS(1=Yes 0=No) Totals: 2=Copy 2=Invoice 0=3-1/2 Disk 0=5-1/4 Disk

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Client: Inmet Mining Corporation iPL: 95H1606 M Out: Aug 23, 1995 Section 1 of 1
Project: 677 145 Soil In: Aug 16, 1995 [061011:40:1] 95] Certified BC Assayer: David Chiu

Sample Name	Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L 2+00N 21+25ES	4.0	43	467	127	1.1	1695	138	5.4%
L 2+00N 21+50ES	2.1	28	210	75	1.7	1779	49	2.34
L 2+00N 21+75ES	1.9	31	205	86	0.9	1613	35	2.51
L 2+00N 22+00ES	0.9	31	100	59	<0.1	1168	19	0.97
L 2+00N 22+25ES	1.4	24	108	61	<0.1	1148	20	1.22
L 2+00N 22+50ES	1.5	23	72	54	<0.1	1270	13	0.87
L 2+00N 22+75ES	1.1	31	142	81	0.1	1565	21	2.64
L 2+00N 23+00ES	0.6	28	219	65	<0.1	1192	32	1.82
L 2+00N 23+25ES	0.7	33	193	86	<0.1	1475	28	2.25
L 2+00N 23+50ES	0.3	25	97	76	<0.1	1292	27	1.36
L 2+00N 23+75ES	0.8	35	186	79	<0.1	1407	25	1.73
L 2+00N 24+00ES	0.6	27	127	65	<0.1	1039	21	1.16
L 2+00N 24+25ES	0.4	39	238	79	<0.1	960	20	1.79
L 2+00N 24+50ES	2.2	21	64	70	<0.1	3656	10	0.55
L 2+00N 24+75ES	6.2	34	158	84	<0.1	4390	14	1.16
L 2+00N 25+00ES	1.2	21	48	58	<0.1	2964	16	0.65
L 2+00N 25+25ES	0.7	23	237	51	<0.1	2875	23	0.79
L 2+00N 25+50ES	3.2	30	92	68	<0.1	3410	43	1.33
L 2+00N 25+75ES	1.9	19	87	58	<0.1	2790	30	0.79
L 2+00N 26+00ES	0.9	28	96	71	<0.1	2565	43	1.19
L 2+00N 26+25ES	0.6	31	106	85	0.3	2653	22	0.98
L 2+00N 26+50ES	1.1	17	40	66	<0.1	2062	16	0.51
L 2+00N 26+75ES	1.3	27	100	74	<0.1	3278	52	1.30
L 2+00N 27+00ES	2.0	30	79	73	<0.1	3879	30	1.23
L 2+00N 27+25ES	1.0	15	47	61	<0.1	3020	32	0.78
L 2+00N 27+50ES	1.3	19	84	73	<0.1	2559	18	0.87
L 2+00N 27+75ES	0.6	26	60	54	<0.1	1930	25	0.33
L 2+00N 28+00ES	0.7	24	41	66	<0.1	2791	14	0.42
L 2+00N 28+25ES	1.3	32	168	77	<0.1	2826	25	1.38
L 2+00N 28+50ES	1.2	29	91	84	<0.1	2572	23	0.93
L 2+00N 28+75ES	1.2	16	51	56	<0.1	2233	16	0.52
L 2+00N 29+00ES	2.0	25	118	86	<0.1	2334	28	1.41
L 2+00N 29+25ES	3.0	34	108	82	<0.1	2453	21	1.42
L 2+00N 29+50ES	0.7	20	42	67	<0.1	1756	27	0.58
L 2+00N 29+75ES	1.3	22	59	65	<0.1	1891	24	0.72
L 2+00N 30+00ES	0.5	21	55	68	<0.1	2128	14	0.69
L 2+00N 30+25ES	0.4	23	107	61	<0.1	2398	21	0.93
L 2+00N 30+50ES	1.6	22	82	61	<0.1	2999	20	0.60
L 2+00N 30+75ES	2.2	17	149	54	<0.1	1710	20	0.66
Min Limit	0.1	2	1	5	0.1	2	1	0.01
Max Reported*	100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

Sample Name	Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L 2+00N 31+00ES	1.5	29	76	56	<0.1	1179	34	1.04
L 2+00N 31+25ES	1.4	28	72	55	<0.1	1361	14	0.91
L 2+00N 31+50ES	1.8	18	93	51	<0.1	751	22	0.73
L 2+00N 31+75ES	6.0	17	41	45	<0.1	705	21	0.52
L 2+00N 32+00ES	6.9	22	90	62	<0.1	658	15	1.25
L 2+00N 32+25ES	2.0	38	111	61	<0.1	816	20	1.31
L 2+00N 32+50ES	0.5	32	110	84	<0.1	713	53	1.73
L 2+00N 32+75ES	0.3	15	42	48	<0.1	944	25	0.73
L 2+00N 33+00ES	1.4	17	115	56	<0.1	777	42	1.14
L 2+00N 33+25ES	1.0	16	43	47	<0.1	822	31	0.80
L 2+00N 33+50ES	0.3	27	88	62	<0.1	1035	41	1.39
L 2+00N 33+75ES	0.6	27	125	78	<0.1	1048	34	1.94
L 2+00N 34+00ES	2.3	20	43	47	<0.1	1010	27	0.98
L 2+00N 34+25ES	1.3	32	111	67	<0.1	1289	89	2.16
L 2+00N 34+50ES	4.4	30	112	75	<0.1	1515	35	2.22
L 2+00N 34+75ES	8.3	33	44	70	<0.1	3545	21	1.55
L 2+00N 35+00ES	2.7	36	69	73	<0.1	3641	29	1.99
L 2+00N 35+25ES	9.9	37	58	90	<0.1	7235	26	3.41
L 2+00N 35+50ES	3.7	53	72	79	<0.1	4952	24	1.81
L 2+00N 35+75ES	1.4	30	88	68	<0.1	1463	93	1.72
L 2+00N 36+00ES	0.2	35	126	77	0.7	1176	63	1.75
L 2+00N 36+25ES	0.8	21	853	44	13.7	1890	483	1.94
L 2+00N 36+50ES	0.2	60	698	61	6.3	1229	364	2.84
L 2+00N 36+75ES	0.2	43	1031	61	3.4	1311	243	2.90
L 2+00N 37+00ES	0.1	23	132	44	<0.1	700	123	1.17
L 2+00N 37+25ES	0.1	28	203	52	0.1	902	272	1.58
L 2+00N 37+50ES	0.4	33	206	59	0.5	951	411	2.10
L 2+00N 37+75ES	0.2	31	174	52	0.3	889	306	1.71
L 2+00N 38+00ES	0.3	27	142	56	<0.1	899	277	1.47
L 4+00S 18+50ES	1.9	33	137	77	1.3	1618	30	2.18
L 4+00S 18+75ES	1.4	30	164	77	0.2	1691	32	2.27
L 4+00S 19+00ES	2.7	36	146	77	0.3	1682	30	2.32
L 4+00S 19+25ES	1.7	30	140	74	<0.1	1604	25	1.61
L 4+00S 19+50ES	2.2	29	162	93	<0.1	1719	35	2.63
L 4+00S 19+75ES	1.6	29	160	83	0.2	1540	37	2.48
L 4+00S 20+00ES	0.7	32	126	74	<0.1	1265	30	1.49
L 4+00S 20+25ES	0.2	23	92	63	<0.1	1049	40	1.00
L 4+00S 20+50ES	0.4	25	102	63	<0.1	1185	35	1.20
L 4+00S 20+75ES	6.7	34	137	66	<0.1	1336	52	1.99
Min Limit	0.1	2	1	5	0.1	2	1	0.01
Max Reported*	100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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CERTIFICATE OF ANALYSIS
iPL 95H1606

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Client: Inmet Mining Corporation iPL: 95H1606 M Out: Aug 23, 1995 Section 1 of 1
Project: 677 145 Soil In: Aug 16, 1995 [061011:40:2] 95] Certified BC Assayer: David Chiu

Sample Name	Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L 4+00S 21+00ES	0.5	23	134	60	<0.1	1058	21	1.06
L 4+00S 21+25ES	0.3	19	91	56	<0.1	1219	22	0.76
L 4+00S 21+50ES	0.3	24	66	66	<0.1	1307	41	1.19
L 4+00S 21+75ES	0.3	23	75	67	<0.1	1390	21	1.16
L 4+00S 22+00ES	0.8	21	54	65	<0.1	1225	30	1.15
L 4+00S 22+25ES	0.5	25	31	66	<0.1	1189	25	0.87
L 4+00S 22+50ES	0.5	29	36	62	<0.1	1319	20	0.95
L 4+00S 22+75ES	0.6	24	39	67	<0.1	1126	20	0.99
L 4+00S 23+00ES	0.5	20	38	58	<0.1	1026	34	1.11
L 4+00S 23+25ES	3.7	41	48	87	<0.1	1373	29	1.77
L 4+00S 23+50ES	0.7	28	39	69	<0.1	1228	19	0.81
L 4+00S 23+75ES	1.0	31	50	65	<0.1	1455	33	0.89
L 4+00S 24+00ES	0.6	23	62	65	<0.1	1967	12	0.70
L 4+00S 24+25ES	2.3	33	136	82	<0.1	2258	38	1.99
L 4+00S 24+50ES	2.2	33	95	79	<0.1	2195	26	1.38
L 4+00S 24+75ES	3.4	17	95	75	<0.1	2131	37	1.13
L 4+00S 25+00ES	0.8	20	34	57	<0.1	1754	17	0.40
L 4+00S 25+25ES	2.4	18	29	61	<0.1	1680	22	0.46
L 4+00S 25+50ES	3.6	15	33	58	<0.1	1707	24	0.48
L 4+00S 25+75ES	1.3	19	80	61	<0.1	1832	28	0.99
L 4+00S 26+00ES	3.4	29	148	81	0.8	2073	44	4.06
L 4+00S 26+25ES	2.6	32	135	80	<0.1	2205	34	3.01
L 4+00S 27+00ES	3.0	28	104	79	<0.1	2008	29	1.63
L 4+00S 27+25ES	2.6	28	111	87	<0.1	2242	28	2.35
L 4+00S 27+50ES	3.2	30	145	84	<0.1	2379	30	3.19
L 4+00S 27+75ES	4.2	19	98	62	0.8	1808	24	0.87
L 4+00S 28+00ES	0.6	24	76	64	<0.1	1520	28	1.17
L 4+00S 28+25ES	1.4	22	75	68	<0.1	1939	23	1.11
L 4+00S 28+50ES	2.7	27	68	82	<0.1	1968	18	2.49
L 4+00S 28+75ES	1.8	26	70	65	<0.1	1997	12	0.82
L 4+00S 29+00ES	2.2	18	130	71	<0.1	2017	11	0.99
L 4+00S 29+25ES	2.9	45	159	89	<0.1	3143	10	1.84
L 4+00S 29+50ES	5.3	30	191	79	1.1	5479	35	2.46
L 4+00S 29+75ES	4.8	34	84	70	<0.1	2902	23	1.49
L 4+00S 30+00ES	4.9	26	99	65	1.5	3662	21	0.81
L 4+00S 30+25ES	2.0	21	75	49	<0.1	1747	22	0.86
L 4+00S 30+50ES	1.1	12	84	51	<0.1	1386	19	0.77
L 4+00S 30+75ES	3.3	18	96	52	0.9	1323	30	0.99
L 4+00S 31+00ES	1.8	21	57	49	0.5	1376	21	0.55
L 4+00S 31+25ES	8.5	26	179	59	1.8	1158	22	1.41
L 4+00S 31+50ES	4.6	29	283	62	2.3	1568	225	1.80
L 4+00S 31+75ES	2.6	27	361	74	4.9	2205	485	2.79
L 4+00S 32+00ES	2.2	27	884	85	5.4	1944	143	8.1%
L 4+00S 32+25ES	2.6	36	160	76	0.7	2009	189	2.32
L 4+00S 32+50ES	1.8	27	162	72	0.7	1706	252	1.95
L 4+00S 32+75ES	2.5	28	145	67	0.4	1890	106	2.06
L 4+00S 33+00ES	9.0	30	143	76	0.2	1666	92	2.17
L 4+00S 33+25ES	0.8	30	160	59	0.3	1179	93	1.83
L 4+00S 33+50ES	4.4	34	103	77	<0.1	3246	35	1.64
L 4+00S 33+75ES	0.9	25	91	62	<0.1	1263	60	1.51
L 4+00S 34+00ES	1.3	31	128	68	<0.1	1189	50	1.47
L 4+00S 34+25ES	1.3	28	102	63	<0.1	2248	36	1.27
L 4+00S 34+50ES	<0.1	29	339	51	<0.1	881	82	1.55
L 4+00S 34+75ES	0.2	34	553	56	1.9	1279	528	2.34
L 4+00S 35+00ES	<0.1	18	98	62	<0.1	860	51	1.18
L 4+00S 35+25ES	<0.1	22	61	62	<0.1	878	40	1.01
L 4+00S 35+50ES	0.1	24	126	52	<0.1	946	58	1.12
L 4+00S 35+75ES	0.3	32	125	59	<0.1	1247	48	1.52
L 4+00S 36+00ES	0.1	28	92	61	<0.1	806	83	0.96
L 4+00S 36+25ES	0.1	33	117	65	<0.1	805	145	1.33
L 4+00S 36+50ES	0.2	28	156	62	<0.1	1193	98	2.09
L 4+00S 36+75ES	0.3	33	184	50	<0.1	1128	132	1.86
L 4+00S 37+00ES	0.7	33	242	73	2.2	1121	309	2.12
L 4+00S 37+25ES	0.8	36	102	79	0.5	771	198	2.16
L 4+00S 37+50ES	<0.1	35	304	61	0.9	847	196	2.37
L 4+00S 37+75ES	<0.1	19	122	58	<0.1	894	47	1.14
L 4+00S 38+00ES	0.1	27	130	66	<0.1	967	54	1.25
Min Limit	0.1	2	1	5	0.1	2	1	0.01
Max Reported*	100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

INTERNATIONAL PLASMA LABORATORY LTD

CERTIFICATE OF ANALYSIS
iPL 95H2305

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2036 Columbia Street
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Inmet Mining Corporation
Out: Aug 29, 1995 Project: 677
In : Aug 23, 1995 Shipper: Paul Baxter
PO#: Shipment: ID=C034200
Msg: ICP(MuAc)08
Msg:

169 Samples 0= Rock 169= Soil 0= Core 0=RC Ct 0= Pulp 0=Other [064617:40:44:59082995]

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ATT: Paul Baxter Ph:604/681-3771
Fx:604/681-3360

Analytical Summary

##	Code	Method	Title	Limit Low	Limit High	Units	Description	Element	##
01	771P	ICPM	Ag	0.1	100	ppm	Ag ICP(Multi-Acid)	Silver	01
02	764P	ICPM	Pb	2	20000	ppm	Pb ICP(Multi-Acid) Depres	Lead	02
03	780P	ICPM	Zn	1	20000	ppm	Zn ICP(Multi-Acid)	Zinc	03
04	753P	ICPM	As	5	10000	ppm	As ICP(Multi-Acid) Depres	Arsenic	04
05	757P	ICPM	Cd	0.1	10000	ppm	Cd ICP(Multi-Acid)	Cadmium	05
06	754P	ICPM	Ba	2	10000	ppm	Ba ICP(Multi-Acid)	Barium	06
07	766P	ICPM	Mn	1	10000	ppm	Mn ICP(Multi-Acid)	Manganese	07
08	762P	ICPM	Fe	0.01	5.00	%	Fe ICP(Multi-Acid)	Iron	08

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CERTIFICATE OF ANALYSIS
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Client: Inmet Mining Corporation iPL: 95H2305 M Out: Aug 29, 1995 In: Aug 23, 1995 [064617:40:4] 95]
Project: 677 169 Soil

Certified BC Assayer: David Chiu

Sample Name	Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L 4+00S 5+25ES	0.3	50	68	59	<0.1	1994	56	1.16
L 4+00S 5+50ES	<0.1	55	76	87	<0.1	5027	59	0.92
L 4+00S 5+75ES	2.3	46	73	79	<0.1	1.7%	47	1.17
L 4+00S 6+75ES	<0.1	83	185	97	0.3	2418	1541	2.20
L 4+00S 7+25ES	3.0	72	123	66	<0.1	2201	77	1.44
L 4+00S 7+50ES	2.2	56	120	62	<0.1	2836	48	1.17
L 4+00S 7+75ES	1.9	104	1473	223	10.2	2627	1199	8.2%
L 4+00S 8+00ES	1.1	82	405	130	1.7	1370	455	3.75
L 4+00S 8+50ES	0.4	94	305	174	0.3	1161	193	3.78
L 4+00S 9+00ES	<0.1	53	107	72	<0.1	1124	72	1.37
L 4+00S 9+50ES	1.0	34	86	58	<0.1	949	64	0.99
L 4+00S 9+75ES	1.4	83	191	91	0.6	1318	172	2.17
L 4+00S 10+00ES	0.2	40	115	66	<0.1	823	56	1.11
L 4+00S 10+25ES	0.2	78	124	87	<0.1	1648	62	1.45
L 4+00S 10+75ES	0.5	38	106	54	<0.1	2592	32	0.84
L 4+00S 11+00ES	0.8	41	97	50	<0.1	1497	28	1.13
L 4+00S 11+25ES	4.1	32	76	52	<0.1	1203	23	0.72
L 4+00S 11+50ES	3.8	32	157	49	<0.1	1977	20	1.15
L 4+00S 11+75ES	3.7	33	192	48	<0.1	1921	20	1.13
L 4+00S 12+00ES	4.0	28	122	55	<0.1	1894	26	0.85
L 4+00S 12+25ES	3.7	36	116	47	<0.1	2022	28	0.90
L 4+00S 12+50ES	4.2	44	209	70	<0.1	3504	39	1.66
L 4+00S 12+75ES	1.6	36	195	55	<0.1	2291	26	1.23
L 4+00S 13+00ES	6.3	47	196	68	<0.1	3335	41	1.46
L 4+00S 13+25ES	2.0	50	125	57	<0.1	2364	20	1.50
L 4+00S 13+50ES	2.7	45	96	44	<0.1	2196	22	0.80
L 4+00S 13+75ES	1.5	37	122	51	<0.1	3048	21	1.01
L 4+00S 14+00ES	1.9	41	113	47	<0.1	3163	19	0.86
L 4+00S 14+25ES	2.9	49	62	51	<0.1	4592	12	0.38
L 4+00S 14+50ES	4.9	45	62	46	<0.1	3354	14	0.46
L 4+00S 14+75ES	4.5	41	73	49	<0.1	3733	19	0.51
L 4+00S 15+00ES	1.6	39	49	45	<0.1	3743	17	0.41
L 4+00S 15+25ES	2.0	44	78	51	<0.1	3300	19	0.60
L 4+00S 15+50ES	4.7	36	91	49	<0.1	4196	20	1.73
L 4+00S 15+75ES	1.9	51	86	56	<0.1	5279	22	1.04
L 4+00S 16+00ES	2.8	77	156	82	<0.1	4826	28	2.01
L 4+00S 16+25ES	2.4	79	177	89	<0.1	4263	47	3.08
L 4+00S 16+50ES	3.4	87	276	107	<0.1	5248	355	4.19
L 4+00S 16+75ES	1.6	70	347	64	10.0	3159	574	2.12
Min Limit	0.1	2	1	5	0.1	2	1	0.01
Max Reported*	100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

Sample Name	Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L 8+00S 5+25ES	<0.1	42	91	63	<0.1	2058	55	1.07
L 8+00S 5+50ES	<0.1	39	70	63	<0.1	1397	53	0.84
L 8+00S 6+25ES	0.6	71	85	80	<0.1	1929	89	2.19
L 8+00S 6+75ES	<0.1	57	70	66	<0.1	1972	66	0.95
L 8+00S 7+00ES	<0.1	78	160	101	<0.1	2344	240	2.11
L 8+00S 7+25ES	0.4	61	135	66	<0.1	1592	76	1.59
L 8+00S 8+25ES	1.6	96	1310	266	12.8	1370	1497	5.2%
L 8+00S 9+25ES	<0.1	44	87	57	<0.1	760	47	0.80
L 8+00S 9+50ES	1.1	65	163	75	0.7	1337	77	1.47
L 8+00S 9+75ES	0.7	71	120	57	<0.1	1269	206	1.30
L 8+00S 10+00ES	1.1	66	115	58	<0.1	1155	53	1.32
L 8+00S 10+50ES	1.4	67	108	51	<0.1	1236	42	1.19
L 8+00S 10+75ES	1.5	46	71	42	<0.1	645	37	0.78
L 8+00S 11+00ES	5.6	55	100	46	<0.1	809	37	0.85
L 8+00S 11+25ES	0.3	63	100	55	<0.1	821	38	0.83
L 8+00S 11+50ES	0.5	79	175	65	<0.1	1638	42	1.35
L 8+00S 11+75ES	<0.1	50	104	50	<0.1	680	49	1.06
L 8+00S 12+00ES	<0.1	41	89	46	<0.1	772	35	0.71
L 8+00S 12+50ES	<0.1	44	79	44	<0.1	1025	44	0.68
L 8+00S 12+75ES	1.5	43	104	48	<0.1	1602	38	0.84
L 8+00S 13+00ES	0.1	60	170	57	<0.1	1773	38	1.23
L 8+00S 13+25ES	2.9	50	145	56	<0.1	1010	33	0.99
L 8+00S 13+50ES	0.7	60	160	54	<0.1	1033	34	1.06
L 8+00S 13+75ES	<0.1	70	129	59	<0.1	1118	36	1.16
L 8+00S 14+00ES	0.6	59	104	51	<0.1	738	40	0.93
L 8+00S 14+25ES	<0.1	64	107	54	<0.1	1334	31	0.95
L 8+00S 14+50ES	<0.1	69	111	60	<0.1	1031	37	0.94
L 8+00S 14+75ES	<0.1	55	101	55	<0.1	1018	28	0.76
L 8+00S 15+00ES	<0.1	51	99	49	<0.1	1067	24	0.77
L 8+00S 15+25ES	0.1	36	63	55	<0.1	1163	22	0.57
L 8+00S 15+50ES	<0.1	41	92	54	<0.1	1205	39	0.83
L 8+00S 15+75ES	0.9	40	94	51	<0.1	1034	48	0.94
L 8+00S 16+00ES	0.2	43	62	49	<0.1	1156	30	0.64
L 8+00S 16+25ES	0.8	76	184	76	<0.1	1962	39	1.66
L 8+00S 16+50ES	<0.1	68	202	76	<0.1	2255	42	1.57
L 8+00S 17+00ES	<0.1	74	165	67	<0.1	2413	35	1.38
L14+00S 5+25ES	<0.1	56	108	55	<0.1	2725	86	1.09
L14+00S 5+50ES	<0.1	52	65	53	<0.1	696	38	0.53
L14+00S 5+75ES	<0.1	49	64	53	<0.1	802	35	0.55
Min Limit	0.1	2	1	5	0.1	2	1	0.01
Max Reported*	100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

iPL
INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
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Client: Inmet Mining Corporation   iPL: 95H2305 M   Out: Aug 29, 1995   Section 1 of 1
Project: 677   169 Soil   In: Aug 23, 1995   [064617:40:5] 95]   Certified BC Assayer: David Chiu

Sample Name		Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L14+00S	6+00ES	<0.1	24	56	50	<0.1	583	18	0.39
L14+00S	6+25ES	<0.1	25	56	64	<0.1	752	41	0.84
L14+00S	6+50ES	0.1	26	80	55	<0.1	891	49	1.02
L14+00S	6+75ES	<0.1	25	89	56	<0.1	1264	216	1.17
L14+00S	7+00ES	<0.1	29	514	50	<0.1	730	43	0.92
L14+00S	7+25ES	<0.1	31	153	54	<0.1	861	67	1.29
L14+00S	7+50ES	0.1	47	263	61	0.1	1576	158	1.95
L14+00S	7+75ES	<0.1	49	295	68	0.1	1772	124	1.98
L14+00S	8+00ES	<0.1	47	278	59	0.4	1631	109	1.59
L14+00S	8+25ES	<0.1	69	425	70	0.6	1879	213	2.16
L14+00S	8+50ES	<0.1	50	208	65	0.3	1550	254	1.58
L14+00S	8+75ES	<0.1	43	187	58	1.8	1225	252	1.51
L14+00S	9+00ES	0.3	47	410	65	2.4	1527	149	1.92
L14+00S	9+25ES	<0.1	47	168	65	0.1	1279	206	1.52
L14+00S	9+50ES	<0.1	43	167	65	0.1	1347	164	1.59
L14+00S	9+75ES	0.3	40	122	63	0.2	904	200	1.55
L14+00S	10+00ES	<0.1	56	177	79	<0.1	1473	88	1.42
L14+00S	10+25ES	<0.1	54	169	68	<0.1	1299	207	1.55
L14+00S	10+50ES	0.7	55	308	72	1.9	1721	289	2.32
L14+00S	10+75ES	0.1	62	250	68	0.8	1481	243	1.69
L14+00S	11+00ES	0.3	56	184	72	0.3	1267	214	1.66
L14+00S	11+25ES	0.8	44	165	59	0.3	1096	467	1.57
L14+00S	11+50ES	1.2	46	120	57	0.3	1262	164	0.95
L14+00S	11+75ES	0.4	47	91	52	<0.1	901	71	1.08
L14+00S	12+00ES	0.1	43	93	51	<0.1	902	39	0.87
L14+00S	12+25ES	<0.1	64	134	63	<0.1	1310	53	1.36
L14+00S	12+50ES	<0.1	35	70	56	0.1	841	38	0.76
L14+00S	12+75ES	<0.1	46	104	63	<0.1	1035	40	1.02
L14+00S	13+00ES	0.3	57	98	65	<0.1	1033	53	1.05
L14+00S	13+25ES	0.1	37	82	54	<0.1	751	45	0.70
L14+00S	13+50ES	<0.1	50	98	56	<0.1	1674	29	0.92
L14+00S	13+75ES	<0.1	50	81	58	<0.1	1148	38	0.81
L14+00S	14+00ES	<0.1	55	118	60	<0.1	1910	27	1.15
L14+00S	14+25ES	<0.1	36	62	48	<0.1	805	35	0.61
L14+00S	14+50ES	<0.1	37	81	52	<0.1	1017	45	0.76
L14+00S	14+75ES	0.3	46	109	62	<0.1	1603	57	1.04
L14+00S	15+00ES	0.2	35	70	48	<0.1	1190	37	0.63
L14+00S	15+25ES	1.7	48	87	68	<0.1	1041	75	1.08
L14+00S	15+50ES	0.6	49	160	75	<0.1	1729	47	1.52
Min Limit		0.1	2	1	5	0.1	2	1	0.01
Max Reported*		100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method		ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

Sample Name		Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L14+00S	15+75ES	1.4	46	339	69	1.2	2564	134	2.28
L14+00S	16+00ES	1.7	45	737	63	7.8	2175	290	2.52
L14+00S	16+25ES	1.7	46	795	73	7.2	2898	528	2.60
L14+00S	16+50ES	0.2	45	402	60	2.3	1585	236	1.47
L20+00S	5+25ES	0.1	35	238	53	0.4	1123	229	1.66
L20+00S	5+50ES	0.1	34	254	51	0.8	1134	228	1.57
L20+00S	5+75ES	0.3	35	293	55	0.8	1144	202	1.62
L20+00S	6+00ES	0.1	41	208	51	0.4	1221	252	1.41
L20+00S	6+25ES	<0.1	33	167	40	0.6	980	236	1.15
L20+00S	6+50ES	<0.1	32	206	47	0.9	928	207	1.37
L20+00S	6+75ES	<0.1	51	214	49	0.6	1114	193	1.41
L20+00S	7+00ES	0.8	51	341	61	1.4	2101	180	2.06
L20+00S	7+25ES	0.3	48	384	62	2.4	1983	237	1.89
L20+00S	7+50ES	<0.1	44	315	57	1.3	1567	233	1.78
L20+00S	7+75ES	0.2	49	306	59	1.7	2111	222	2.01
L20+00S	8+00ES	0.9	54	335	60	1.8	3741	209	2.21
L20+00S	8+25ES	<0.1	57	251	57	1.3	1626	215	2.02
L20+00S	8+50ES	<0.1	54	326	66	0.6	1964	193	2.53
L20+00S	8+75ES	<0.1	54	186	59	0.1	975	160	1.46
L20+00S	9+00ES	<0.1	52	203	74	<0.1	1192	133	1.76
L20+00S	9+25ES	<0.1	41	197	57	0.9	1322	73	1.30
L20+00S	9+50ES	0.1	51	258	70	0.3	1496	154	2.87
L20+00S	9+75ES	<0.1	40	133	49	<0.1	1023	39	0.98
L20+00S	10+00ES	<0.1	36	139	53	<0.1	1053	33	0.92
L20+00S	10+25ES	<0.1	42	122	55	<0.1	1725	40	0.77
L20+00S	10+50ES	<0.1	44	202	63	<0.1	1335	49	1.32
L20+00S	10+75ES	<0.1	59	358	71	0.2	1631	127	2.38
L20+00S	11+00ES	<0.1	57	346	64	0.4	1602	107	2.22
L20+00S	11+25ES	<0.1	53	307	67	<0.1	1365	49	1.67
L20+00S	11+50ES	0.3	35	178	47	<0.1	952	775	1.18
L20+00S	11+75ES	<0.1	39	197	54	<0.1	1164	66	1.27
L20+00S	12+00ES	0.2	42	198	56	<0.1	1156	68	1.34
L20+00S	12+25ES	<0.1	31	146	48	<0.1	1137	42	0.75
L20+00S	12+50ES	<0.1	33	96	44	<0.1	907	21	0.41
L20+00S	12+75ES	<0.1	40	227	61	<0.1	995	80	1.62
L20+00S	13+00ES	0.1	48	233	63	<0.1	1106	98	1.87
L20+00S	13+25ES	0.1	43	370	60	5.0	1536	415	1.89
L20+00S	13+50ES	<0.1	45	296	61	3.0	1212	274	1.84
L20+00S	13+75ES	<0.1	46	300	71	<0.1	1185	116	1.76
Min Limit		0.1	2	1	5	0.1	2	1	0.01
Max Reported*		100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method		ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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CERTIFICATE OF ANALYSIS
iPL 95H2305

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Client: Inmet Mining Corporation   iPL: 95H2305 M   Out: Aug 29, 1995   Section 1 of 1
Project: 677   169 Soil   In: Aug 23, 1995   [064617:41:0] 95]   Certified BC Assayer: David Chiu

Sample Name	Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L20+00S 14+00ES	<0.1	33	113	50	<0.1	743	30	0.56
L20+00S 14+25ES	<0.1	36	206	57	<0.1	872	56	1.16
L20+00S 14+50ES	<0.1	34	199	61	<0.1	909	76	1.16
L20+00S 14+75ES	<0.1	52	588	58	2.9	1538	372	1.75
L20+00S 15+00ES	<0.1	46	280	58	0.6	1124	226	1.41
L20+00S 15+25ES	<0.1	42	303	56	2.2	1051	193	1.52
L20+00S 15+50ES	<0.1	30	298	46	6.1	884	197	1.29
L20+00S 15+75ES	1.4	50	379	65	2.6	2408	239	2.20
L20+00S 16+00ES	<0.1	31	311	46	2.4	1227	331	1.22
L20+00S 16+25ES	1.2	35	354	50	2.3	1831	177	1.56
L20+00S 16+50ES	0.7	50	380	50	5.4	1557	1319	1.45
L20+00S 16+75ES	0.9	45	311	53	2.2	2365	200	1.52
L20+00S 17+00ES	1.2	42	328	60	1.7	1963	241	1.81

Sample Name	Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %

	Ag	Pb	Zn	As	Cd	Ba	Mn	Fe
Min Limit	0.1	2	1	5	0.1	2	1	0.01
Max Reported*	100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

0.1 2 1 5 0.1 2 1 0.01
100.0 20000 20000 10000 10000.0 10000 10000 5.00
ICPM ICPM ICPM ICPM ICPM ICPM ICPM ICPM

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

INTERNATIONAL PLASMA LABORATORY LTD

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Inmet Mining Corporation
Out: Sep 05, 1995 Project: 677
In : Aug 29, 1995 Shipper: Paul Baxter
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Msg:

78 Samples 0= Rock 78= Soil 0= Core 0=RC Ct 0= Pulp 0=Other [066316:10:49:59090595]

	Rock	Soil	Core	RC Ct	Pulp	Other
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ATT: Paul Baxter
Ph:604/681-3771
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Analytical Summary

##	Code	Method	Title	Limit Low	Limit High	Units	Description		Element	##
01	771P	ICPM	Ag	0.1	100	ppm	Ag ICP(Multi-Acid)		Silver	01
02	764P	ICPM	Pb	2	20000	ppm	Pb ICP(Multi-Acid)	Depres	Lead	02
03	780P	ICPM	Zn	1	20000	ppm	Zn ICP(Multi-Acid)		Zinc	03
04	753P	ICPM	As	5	10000	ppm	As ICP(Multi-Acid)	Depres	Arsenic	04
05	757P	ICPM	Cd	0.1	10000	ppm	Cd ICP(Multi-Acid)		Cadmium	05
06	754P	ICPM	Ba	2	10000	ppm	Ba ICP(Multi-Acid)		Barium	06
07	766P	ICPM	Mn	1	10000	ppm	Mn ICP(Multi-Acid)		Manganese	07
08	762P	ICPM	Fe	0.01	5.00	%	Fe ICP(Multi-Acid)		Iron	08

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CERTIFICAT F ANALYSIS
iPL 95H2905

Client: Inmet Mining Corporation | iPL: 95H2905 M | Out: Sep 05, 1995 | Page 1 of 2 | Section 1 of 1
Project: 677 78 Soil | In: Aug 29, 1995 | [066316:00:0] 95] | Certified BC Assayer: David Chiu

Sample Name	Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L0+00N 5+50E S	1.1	44	430	80	0.3	1180	61	2.53
L0+00N 6+00E S	0.2	24	184	49	<0.1	1050	50	1.03
L0+00N 6+25E S	1.2	22	124	48	<0.1	1049	53	0.98
L0+00N 6+50E S	0.5	68	289	111	<0.1	1110	78	3.23
L0+00N 6+75E S	0.5	67	389	121	<0.1	1080	91	4.53
L0+00N 7+00E S	1.2	17	100	56	<0.1	715	49	1.08
L0+00N 7+25E S	1.6	95	179	102	0.1	889	67	3.18
L0+00N 7+50E S	1.0	42	108	61	<0.1	822	134	1.45
L0+00N 7+75E S	0.2	47	194	68	<0.1	969	63	1.59
L0+00N 8+00E S	0.1	48	106	58	<0.1	991	74	1.35
L0+00N 8+25E S	0.2	50	83	66	<0.1	1010	70	1.25
L0+00N 8+50E S	0.1	29	100	64	<0.1	1978	51	1.22
L0+00N 8+75E S	0.1	37	139	64	<0.1	1914	56	1.39
L0+00N 9+00E S	<0.1	33	115	61	<0.1	1632	47	1.08
L0+00N 9+25E S	0.2	36	128	61	<0.1	1554	54	1.24
L0+00N 9+50E S	1.3	73	360	105	0.7	1776	118	3.03
L0+00N 9+75E S	2.7	18	58	35	<0.1	596	47	0.63
L0+00N 10+00E S	0.6	18	80	48	<0.1	1061	40	0.80
L0+00N 10+25E S	0.6	19	78	50	<0.1	862	43	0.96
L0+00N 10+50E S	0.4	17	55	54	<0.1	754	45	0.90
L0+00N 10+75E S	0.5	21	124	55	<0.1	992	40	1.24
L0+00N 11+00E S	0.6	41	229	71	<0.1	1685	39	1.71
L0+00N 11+25E S	2.3	15	64	47	<0.1	875	41	0.79
L0+00N 11+50E S	1.0	15	188	51	<0.1	2596	33	1.40
L0+00N 11+75E S	1.0	20	75	57	<0.1	5401	12	0.89
L0+00N 12+00E S	1.2	32	91	65	<0.1	5707	14	1.24
L0+00N 12+25E S	1.3	12	116	55	<0.1	3307	28	0.87
L0+00N 12+50E S	0.5	13	171	57	<0.1	3913	33	1.27
L0+00N 12+75E S	2.6	34	303	69	<0.1	5226	47	2.30
L0+00N 13+00E S	0.7	27	427	73	1.8	6040	60	2.18
L0+00N 13+25E S	1.9	16	181	55	<0.1	3521	51	1.29
L0+00N 13+50E S	0.5	14	96	46	<0.1	3226	26	0.80
L0+00N 13+75E S	1.3	27	258	64	<0.1	3810	46	1.66
L0+00N 14+00E S	0.8	66	203	94	1.2	2022	161	2.60
L0+00N 14+25E S	1.3	53	185	83	0.4	2329	92	2.01
L0+00N 14+50E S	2.1	39	168	71	<0.1	2565	71	1.57
L0+00N 14+75E S	4.6	39	195	64	<0.1	3098	52	1.65
L0+00N 15+00E S	0.6	30	140	78	<0.1	3134	183	1.49
L0+00N 15+25E S	1.7	27	150	53	0.2	2615	62	1.22
Min Limit	0.1	2	1	5	0.1	2	1	0.01
Max Reported*	100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

Sample Name	Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L0+00N 15+50E S	1.5	40	316	91	1.0	5156	100	2.65
L0+00N 15+75E S	1.2	41	513	86	4.0	8357	230	2.77
L0+00N 16+00E S	2.4	35	271	93	1.2	4744	109	3.18
L0+00N 16+25E S	1.4	28	177	70	0.9	5180	52	2.34
L0+00N 16+50E S	1.8	34	304	85	0.9	5565	78	3.05
L0+00N 16+75E S	0.7	23	106	44	<0.1	3019	37	1.41
L0+00N 17+00E S	0.4	19	120	45	0.8	3335	30	1.15
L0+00N 17+25E S	0.3	15	108	37	3.6	3236	27	0.66
L0+00N 17+50E S	0.2	19	387	50	1.5	3724	34	0.83
L0+00N 17+75E S	0.2	20	115	54	<0.1	2603	55	1.28
L0+00N 18+00E S	0.9	27	120	62	<0.1	3921	42	1.48
L0+00N 18+25E S	1.4	32	443	74	2.1	8001	55	2.82
L0+00N 18+50E S	2.0	30	411	130	2.1	3274	178	2.35
L0+00N 18+75E S	1.9	36	800	80	3.7	2670	249	4.56
L0+00N 19+00E S	1.3	36	1250	92	9.1	6415	703	5.4%
L8+00N 15+00E S	3.2	29	185	63	0.8	5961	45	1.74
L8+00N 15+25E S	1.0	20	121	57	2.7	4730	51	1.10
L8+00N 15+50E S	2.3	28	293	68	1.6	6011	34	2.01
L8+00N 15+75E S	1.5	27	357	84	3.0	5815	104	3.15
L8+00N 16+00E S	2.3	38	395	102	2.0	5591	72	3.73
L8+00N 16+25E S	1.9	34	152	72	0.4	4336	40	2.85
L8+00N 16+50E S	0.2	12	67	52	0.9	4226	28	0.48
L8+00N 16+75E S	0.3	27	259	60	0.1	2886	45	1.95
L8+00N 17+00E S	1.4	33	2192	87	10.2	5958	132	2.17
L8+00N 17+25E S	1.5	61	4442	78	41.1	6704	97	2.66
L8+00N 17+50E S	0.3	8	5515	23	87.7	6047	133	0.74
L8+00N 17+75E S	0.4	39	294	72	1.5	4492	32	1.43
L8+00N 18+00E S	1.7	44	1833	80	22.0	4293	142	2.42
L8+00N 18+25E S	0.7	18	5124	45	69.0	5549	495	1.58
L8+00N 18+50E S	0.6	27	3975	53	74.9	6988	236	2.12
L8+00N 18+75E S	0.9	50	301	77	2.5	2990	59	2.92
L8+00N 19+00E S	1.1	48	423	87	5.7	3157	76	2.83
L8+00N 19+25E S	1.8	46	365	83	3.9	3506	73	2.74
L8+00N 19+50E S	1.4	59	158	96	0.9	2500	36	3.40
L8+00N 19+75E S	1.3	24	151	54	0.2	4594	29	1.36
L8+00N 20+00E S	0.4	16	94	51	<0.1	1795	46	0.93
L8+00N 20+25E S	1.6	38	276	87	1.0	5171	37	2.66
L8+00N 20+50E S	1.2	29	746	96	1.5	6184	61	3.02
L8+00N 20+75E S	2.0	32	739	96	3.8	6417	110	3.24
Min Limit	0.1	2	1	5	0.1	2	1	0.01
Max Reported*	100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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CERTIFICAT[illegible] F ANALYSIS
iPL 95I0801

Client: Inmet Mining Corporation
Project: 677 112 Soil

iPL: 95I0801 M

Out: Sep 15, 1995
In: Sep 08, 1995 [070617:19:2] 95]

 Section 1 of 1
Certified BC Assayer: David Chiu

Sample Name	Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L54+00S 4+50E S	1.0	33	407	56	2.0	2244	259	2.02
L54+00S 4+75E S	1.3	30	497	66	2.4	2390	346	2.18
L54+00S 5+00E S	1.0	26	308	57	2.4	1665	281	2.21
L54+00S 5+25E S	0.8	19	184	48	1.2	1485	356	1.68
L54+00S 5+50E S	0.6	21	193	49	1.6	1653	288	1.48
L54+00S 5+75E S	0.7	23	209	41	2.1	1427	186	1.47
L54+00S 6+00E S	0.6	35	1555	62	20.0	1409	1507	2.45
L54+00S 6+25E S	1.1	31	247	60	1.8	1523	211	2.21
L54+00S 6+50E S	0.6	24	214	55	1.1	1216	155	2.34
L54+00S 6+75E S	1.2	25	306	56	2.7	1856	214	2.00
L54+00S 7+00E S	1.4	30	237	61	2.5	1853	153	1.86
L54+00S 7+25E S	1.0	35	291	69	2.7	2084	180	2.46
L54+00S 7+50E S	0.7	37	255	65	1.6	2182	200	2.26
L54+00S 7+75E S	1.3	29	218	57	1.1	1992	182	1.91
L54+00S 8+00E S	0.3	29	370	77	0.5	1369	166	2.73
L54+00S 8+25E S	0.1	30	544	63	<0.1	1456	106	1.97
L54+00S 8+50E S	0.1	30	378	67	0.3	1140	112	1.99
L54+00S 8+75E S	<0.1	28	261	57	0.3	1212	97	2.00
L54+00S 9+00E S	<0.1	30	1247	60	1.5	1314	185	2.03
L54+00S 9+25E S	0.1	27	208	57	0.4	1291	64	1.38
L54+00S 9+50E S	0.1	36	254	60	1.2	1636	97	1.97
L54+00S 9+75E S	<0.1	34	179	60	0.4	1712	58	1.79
L54+00S 10+00E S	<0.1	34	154	62	<0.1	1644	62	1.74
L54+00S 10+25E S	0.7	51	3650	70	13.1	2073	621	2.61
L54+00S 10+50E S	0.3	37	1021	55	3.9	1979	200	2.07
L54+00S 10+75E S	3.7	51	5436	73	64.1	2159	3473	5.1%
L54+00S 11+00E S	1.5	41	3603	66	30.9	1719	1314	2.98
L54+00S 11+25E S	2.6	62	912	70	7.7	2264	279	2.63
L54+00S 11+50E S	0.6	73	1345	57	13.7	1622	585	2.22
L54+00S 11+75E S	0.7	44	1928	57	15.8	1688	526	2.04
L54+00S 12+00E S	0.7	38	1691	78	11.2	1725	449	2.81
L54+00S 12+25E S	0.9	31	377	63	6.0	1511	491	2.28
L54+00S 12+50E S	0.8	33	586	69	9.2	1535	415	2.44
L54+00S 12+75E S	0.5	52	1297	78	6.3	2205	201	2.99
L54+00S 13+00E S	0.8	44	423	68	1.8	1940	130	2.75
L54+00S 13+50E S	0.5	44	572	65	12.6	1562	513	1.83
L54+00S 13+75E S	0.4	51	267	69	1.8	1489	84	1.79
L54+00S 14+00E S	0.3	71	848	89	8.2	2020	436	2.26
L54+00S 14+25E S	0.5	60	1221	80	12.0	1625	1123	3.02
L54+00S 14+50E S	0.6	69	812	74	6.1	1374	199	2.78
L54+00S 14+75E S	0.4	52	566	69	1.3	1725	144	2.19
L54+00S 15+00E S	0.7	53	487	71	1.9	1596	145	2.35
L54+00S 15+25E S	0.7	53	523	69	6.7	2008	264	2.29
L54+00S 15+50E S	0.9	68	292	76	8.7	1814	635	2.10
L58+00S 3+50E S	1.2	28	327	51	3.2	2651	267	1.78
L58+00S 3+75E S	1.3	26	246	53	1.6	2783	201	1.76
L58+00S 4+00E S	1.2	23	254	58	0.8	3445	125	1.72
L58+00S 4+25E S	0.9	20	189	50	0.7	2841	157	1.35
L58+00S 4+50E S	0.9	24	231	53	0.9	2551	210	1.73
L58+00S 4+75E S	1.3	26	289	58	2.3	3727	116	1.75
L58+00S 5+00E S	1.0	35	453	59	3.5	4086	237	2.55
L58+00S 5+25E S	1.4	30	326	62	1.1	1746	250	2.28
L58+00S 5+50E S	1.0	25	337	66	3.6	1812	532	2.99
L58+00S 5+75E S	1.0	34	296	75	1.2	1848	288	2.89
L58+00S 6+00E S	1.2	34	291	81	0.7	1993	347	2.86
L58+00S 6+25E S	2.8	33	359	80	1.5	1832	589	4.32
L58+00S 6+50E S	0.7	31	636	79	0.2	1706	527	4.91
L58+00S 6+75E S	1.1	33	306	75	0.4	1486	519	4.09
L58+00S 7+00E S	2.0	33	282	60	1.9	1230	634	3.54
L58+00S 7+25E S	0.6	30	309	69	0.6	1566	402	3.10
L58+00S 7+50E S	0.6	27	357	78	0.6	1787	634	3.78
L58+00S 7+75E S	0.1	30	383	62	0.5	1065	208	2.91
L58+00S 8+00E S	0.2	25	299	63	0.3	1197	95	2.02
L58+00S 8+25E S	<0.1	38	504	69	0.4	881	135	2.75
L58+00S 8+50E S	<0.1	37	461	64	1.2	1654	191	2.70
L58+00S 8+75E S	<0.1	28	489	57	1.1	1664	184	2.42
L58+00S 9+00E S	<0.1	25	312	58	0.4	1028	126	2.07
L58+00S 9+25E S	0.1	31	468	77	2.4	977	206	3.68
L58+00S 9+50E S	<0.1	34	805	62	2.4	1792	319	2.50
L58+00S 9+75E S	<0.1	28	1576	62	4.0	1600	279	2.52
L58+00S 10+00E S	0.6	32	1398	60	9.7	2155	326	2.67
L58+00S 10+25E S	0.2	36	1798	57	7.9	1989	268	2.32
L58+00S 10+50E S	1.7	38	4211	74	38.2	1791	893	3.01
L58+00S 10+75E S	0.7	11	5375	36	55.5	1315	393	1.64
L58+00S 11+00E S	0.9	32	4967	65	23.2	1765	503	3.19
L58+00S 11+25E S	0.4	34	6669	70	11.1	1908	564	4.01
L58+00S 11+50E S	0.5	32	11218	75	51.6	1885	926	3.81
L58+00S 11+75E S	1.0	26	6319	79	30.9	2003	330	3.97
Min Limit	0.1	2	1	5	0.1	2	1	0.01
Max Reported*	100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

INTERNATIONAL PLASMA LABORATORY LTD.

2036 Columbia Street
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CERTIFICATE OF ANALYSIS
iPL 95I0801

Client: Inmet Mining Corporation   iPL: 95I0801 M   Out: Sep 15, 1995   Page 3 of 3   Section 1 of 1
Project: 677   112 Soil   In: Sep 08, 1995   [070617:19:3] 95]   Certified BC Assayer: David Chiu

Sample Name		Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L58+00S 12+00E	S	0.5	29	4023	53	19.6	2027	393	2.10
L58+00S 12+25E	S	1.6	28	4622	47	79.0	1608	523	2.00
L58+00S 12+50E	S	1.0	35	4047	65	27.6	1652	406	4.88
L58+00S 12+75E	S	0.5	47	1708	74	8.8	2948	227	3.44
L58+00S 13+00E	S	1.7	50	8048	69	71.0	3699	939	2.63
L58+00S 13+25E	S	1.2	54	464	67	6.2	2795	109	2.17
L58+00S 13+50E	S	0.3	74	2401	65	14.9	1712	407	2.41
L58+00S 13+75E	S	0.4	41	2657	82	5.7	1412	263	2.50
L58+00S 14+00E	S	0.3	44	2470	66	33.7	1474	392	2.12
L58+00S 14+25E	S	0.3	41	842	54	8.9	1882	563	1.60
L58+00S 14+50E	S	0.3	77	953	63	2.2	2235	142	2.12
L58+00S 14+75E	S	0.4	37	146	50	1.6	2397	75	0.92
L58+00S 15+00E	S	1.0	70	147	63	2.2	4440	107	1.24
L64+00S 15+25E	S	1.3	37	1204	67	9.8	2280	470	3.20
L64+00S 15+50E	S	0.6	32	2932	69	13.4	1443	657	2.87
L64+00S 15+75E	S	0.5	25	1439	57	11.2	1328	123	2.07
L64+00S 16+00E	S	1.6	34	5477	70	54.9	1856	306	2.87
L64+00S 16+25E	S	0.3	34	417	73	1.1	2595	83	2.40
L64+00S 16+50E	S	1.1	37	584	68	7.9	2903	244	2.10
L64+00S 16+75E	S	0.7	37	543	70	6.5	2745	206	2.34
L64+00S 17+00E	S	0.5	33	386	60	2.6	2308	185	1.93
L64+00S 17+25E	S	0.4	29	959	78	3.5	1915	141	3.18
L64+00S 17+50E	S	0.4	31	380	63	8.1	1939	81	2.22
L64+00S 17+75E	S	1.6	33	1648	78	8.5	2118	194	2.15
L64+00S 18+00E	S	0.6	34	1940	81	5.4	1790	256	3.24
L66+00S 15+25E	S	0.7	15	313	43	1.9	1142	333	1.87
L66+00S 15+50E	S	1.5	37	587	82	3.8	2999	284	2.77
L66+00S 15+75E	S	2.0	32	469	78	3.2	4147	356	3.08
L66+00S 16+00E	S	1.0	18	219	47	2.6	1249	304	2.06
L66+00S 16+25E	S	1.8	34	2214	74	16.7	1839	500	3.03
L66+00S 16+50E	S	1.5	46	1394	85	15.8	2874	793	3.28
L66+00S 16+75E	S	1.7	39	1915	78	26.1	2264	1002	2.75
L66+00S 17+00E	S	1.9	33	2354	72	69.3	2181	1044	2.34
L66+00S 17+25E	S	1.0	28	2366	52	48.4	1920	575	1.69
Min Limit		0.1	2	1	5	0.1	2	1	0.01
Max Reported*		100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method		ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

Sample Name	Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
Min Limit	0.1	2	1	5	0.1	2	1	0.01
Max Reported*	100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICAT F ANALYSIS
iPL 95I2101

RECEIVED OCT 1

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Inmet Mining Corporation
Out: Sep 27, 1995 Project: 677
In : Sep 21, 1995 Shipper: Paul Baxter
PO#: Shipment: ID=C034200
Msg: ICP(MuAc)08
Msg:

64 Samples 0= Rock 64= Soil 0= Core 0=RC Ct 0= Pulp 0=Other [077518:23:00:59092795]

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Pulp Storage:	--	12Mon/Dis	--	--	--	--

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Vancouver					
BC V6B 1B8	0	0	0	1	0

ATT: Paul Baxter
Ph:604/681-3771
Fx:604/681-3360

Analytical Summary

##	Code	Method	Title	Limit Low	Limit High	Units	Description	Element	##
01	771P	ICPM	Ag	0.1	100	ppm	Ag ICP(Multi-Acid)	Silver	01
02	764P	ICPM	Pb	2	20000	ppm	Pb ICP(Multi-Acid) Depres	Lead	02
03	780P	ICPM	Zn	1	20000	ppm	Zn ICP(Multi-Acid)	Zinc	03
04	753P	ICPM	As	5	10000	ppm	As ICP(Multi-Acid) Depres	Arsenic	04
05	757P	ICPM	Cd	0.1	10000	ppm	Cd ICP(Multi-Acid)	Cadmium	05
06	754P	ICPM	Ba	2	10000	ppm	Ba ICP(Multi-Acid)	Barium	06
07	766P	ICPM	Mn	1	10000	ppm	Mn ICP(Multi-Acid)	Manganese	07
08	762P	ICPM	Fe	0.01	5.00	%	Fe ICP(Multi-Acid)	Iron	08

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DL=DownLoad 3D=3-1/2 Disk 5D=5-1/4 Disk BT=BBS Type BL=BBS(1=Yes 0=No) Totals: 2=Copy 2=Invoice 0=3-1/2 Disk 0=5-1/4 Disk

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 95I2101

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Fax (604) 879-7898

Client: Inmet Mining Corporation   iPL: 95I2101 M   Out: Sep 27, 1995   Page 1 of 2   Section 1 of 1
Project: 677   64 Soil   In: Sep 21, 1995   [077518:23:0] 95]   Certified BC Assayer: David Chiu

Sample Name	Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L52+00S 4+25E S	0.6	35	341	51	3.8	1975	393	1.72
L52+00S 4+50E S	1.3	37	446	63	4.7	2432	326	2.35
L52+00S 4+75E S	0.7	43	365	63	4.1	2414	569	2.28
L52+00S 5+00E S	1.2	37	284	69	2.1	2269	405	2.35
L52+00S 5+25E S	1.2	39	328	69	4.7	2672	402	2.23
L52+00S 5+50E S	0.7	43	294	79	1.1	2724	261	2.34
L52+00S 5+75E S	<0.1	16	86	33	<0.1	747	357	1.10
L52+00S 6+00E S	0.4	41	336	74	2.7	2811	284	2.29
L52+00S 6+25E S	0.8	40	262	73	1.8	2196	318	2.58
L52+00S 6+50E S	0.4	39	266	65	1.4	1272	431	2.66
L52+00S 6+75E S	<0.1	35	303	68	0.3	1257	190	2.97
L52+00S 7+00E S	0.1	33	297	71	0.4	1427	145	2.50
L52+00S 7+25E S	<0.1	32	193	68	0.1	1450	108	2.06
L52+00S 7+50E S	<0.1	35	234	66	0.4	1541	135	2.27
L52+00S 7+75E S	<0.1	34	206	67	<0.1	1391	121	2.34
L52+00S 8+00E S	<0.1	38	181	<5	1.0	984	99	1.89
L52+00S 8+25E S	0.2	43	174	118	<0.1	1412	96	2.22
L52+00S 8+50E S	0.2	40	214	73	<0.1	1424	127	2.80
L52+00S 8+75E S	<0.1	47	277	73	<0.1	1335	103	2.27
L52+00S 9+00E S	<0.1	39	205	75	0.2	1164	122	2.08
L52+00S 9+25E S	<0.1	39	148	64	0.4	1146	71	1.63
L52+00S 9+50E S	<0.1	40	289	76	<0.1	1279	100	1.95
L52+00S 9+75E S	<0.1	38	274	71	0.3	1186	201	2.23
L52+00S 10+00E S	<0.1	40	586	60	0.8	1614	279	1.91
L52+00S 10+25E S	<0.1	34	1591	60	4.8	1469	293	1.72
L52+00S 10+50E S	0.3	41	485	98	3.9	3016	416	4.69
L52+00S 10+75E S	0.3	46	696	118	4.8	4421	104	6.3%
L52+00S 11+00E S	1.1	368	2465	102	6.5	3132	197	3.06
L52+00S 11+25E S	0.1	82	251	78	1.7	1733	179	2.47
L52+00S 11+50E S	0.5	68	1151	96	4.9	3021	175	3.11
L52+00S 11+75E S	0.8	99	769	95	5.0	4242	111	3.21
L52+00S 12+00E S	0.9	83	1227	103	5.2	3614	205	3.58
L52+00S 12+25E S	1.0	54	1005	102	9.4	3725	253	3.25
L52+00S 12+50E S	1.6	39	729	72	6.4	1630	205	2.28
L52+00S 12+75E S	0.9	35	1233	65	8.2	1719	244	1.99
L52+00S 13+00E S	1.4	39	331	68	6.2	1743	225	2.12
L52+00S 13+25E S	1.0	42	322	74	1.3	1464	84	2.13
L52+00S 13+50E S	1.5	39	356	76	1.5	1271	85	2.14
L52+00S 13+75E S	0.4	50	343	76	0.8	2134	87	1.95
Min Limit	0.1	2	1	5	0.1	2	1	0.01
Max Reported*	100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

Sample Name	Ag ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Ba ppm	Mn ppm	Fe %
L52+00S 14+25E S	0.1	64	255	83	0.8	1878	86	1.48
L58+00S 15+25E S	2.9	117	376	102	3.6	2311	77	3.13
L58+00S 15+50E S	0.7	44	174	70	1.0	3031	108	2.02
L58+00S 15+75E S	3.4	52	72	78	<0.1	6549	35	1.19
L58+00S 16+00E S	1.8	47	160	110	<0.1	4210	78	2.12
L58+00S 16+25E S	1.0	43	219	74	0.9	2368	123	2.44
L58+00S 16+50E S	0.8	39	131	75	0.1	3838	58	1.53
L58+00S 16+75E S	0.8	43	211	92	0.2	3552	48	2.22
L58+00S 17+00E S	1.2	42	196	67	1.0	2003	103	1.41
L58+00S 17+25E S	1.1	34	102	56	<0.1	2985	67	1.08
L58+00S 17+50E S	1.4	45	352	72	3.3	1433	172	1.50
L58+00S 17+75E S	0.3	48	605	79	2.0	1647	139	2.23
L58+00S 18+00E S	0.5	46	433	72	1.4	2215	132	1.61
L60+00S 15+25E S	0.6	17	1597	1071	89.8	1506	1.1%	13%
L60+00S 15+50E S	3.5	42	1806	70	24.9	1902	646	3.03
L60+00S 15+75E S	0.9	49	380	81	2.7	2867	119	3.06
L60+00S 16+00E S	0.6	55	1989	245	20.2	2060	1936	7.5%
L60+00S 16+25E S	1.0	42	1048	95	2.0	2758	60	5.1%
L60+00S 16+50E S	4.4	40	340	76	2.4	3512	44	2.27
L60+00S 16+75E S	0.9	43	191	68	<0.1	2945	51	1.61
L60+00S 17+00E S	1.1	41	256	86	0.7	2322	32	2.00
L60+00S 17+25E S	0.8	40	265	60	5.4	2758	93	1.45
L60+00S 17+50E S	0.7	38	631	73	9.7	2693	131	2.29
L60+00S 17+75E S	1.2	39	205	83	1.6	3088	56	2.07
L60+00S 18+00E S	1.1	53	242	72	0.8	3237	60	1.86
Min Limit	0.1	2	1	5	0.1	2	1	0.01
Max Reported*	100.0	20000	20000	10000	10000.0	10000	10000	5.00
Method	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM	ICPM

---=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

APPENDIX III

1995 AKIE DIAMOND DRILL LOGS

A-95-13
A-95-14
A-95-15
A-95-16
A-95-18
A-95-19

HOLE NUMBER: A-95-13

MINNOVA INC.
DRILL HOLE RECORD

DATE: 19-February-1996
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: GATAGA
PROJECT NUMBER: 677
CLAIM NUMBER: AKIE 7
LOCATION: NTS 94 F/7

PLOTTING COORDS GRID: AKIE
NORTH: 3083.00S
EAST: 190.00W
ELEV: 1543.00

ALTERNATE COORDS GRID:
NORTH: 0+ 0
EAST: 0+ 0
ELEV: 0.00

COLLAR DIP: -82° 0' 0"
LENGTH OF THE HOLE: 818.40m
START DEPTH: 0.00m
FINAL DEPTH: 818.40m

COLLAR GRID AZIMUTH : 90° 0' 0"
COLLAR ASTRO. AZIMUTH : 50° 0' 0"

DATE STARTED: June 20, 1995
DATE COMPLETED: July 10, 1995
DATE LOGGED: July 11, 1995

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

PULSE EM SURVEY: NO
CAPPED: YES
HOLE SIZE: NQ

CONTRACTOR: J.T. THOMAS DRILLING
CASING: 6.3
CORE STORAGE: ON SITE

PURPOSE: Deep test of Cardiac Creek horizon between holes A-11 and A-12.

COMMENTS :

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
45.70	-	-82° 0'	ACID	OK		-	-	-	-	-	
137.20	-	-81° 0'	ACID	OK		-	-	-	-	-	
228.60	-	-82° 0'	ACID	OK		-	-	-	-	-	
320.00	-	-80° 0'	ACID	OK		-	-	-	-	-	
411.50	-	-75° 0'	ACID	OK		-	-	-	-	-	
502.90	-	-72° 0'	ACID	OK		-	-	-	-	-	
594.40	-	-62° 0'	ACID	OK		-	-	-	-	-	
731.50	-	-56°30'	ACID	OK		-	-	-	-	-	
21.40	41° 0'	-81° 0'	SING.SHOT	OK		-	-	-	-	-	
91.40	33° 0'	-82° 0'	SING.SHOT	OK		-	-	-	-	-	
182.90	11° 0'	-82° 0'	SING.SHOT	OK		-	-	-	-	-	
274.30	10° 0'	-79° 0'	SING.SHOT	OK		-	-	-	-	-	
367.90	9° 0'	-76°50'	SING.SHOT	OK		-	-	-	-	-	
457.20	8° 0'	-73° 0'	SING.SHOT	OK		-	-	-	-	-	
548.70	4° 0'	-67° 0'	SING.SHOT	OK		-	-	-	-	-	
640.10	8° 0'	-59°50'	SING.SHOT	OK		-	-	-	-	-	
731.50	63° 0'	-56°50'	SING.SHOT		Dip ok do not use azimuth.	-	-	-	-	-	
816.90	8° 0'	-55° 0'	SING.SHOT	OK		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 3.70	CASING					
3.70 TO 49.40	ROAD RIVER SHALES «R.R. SH»	Very dark grey, fine grained,moderately foliated, thinly bedded to laminated, bedding defined by lighter grey beds and rare pyritic laminations. Noncalcareous, soft.				
		5.0m Bedding @ ---------------------------------	35			
		18.9m Bedding @ --------------------------------	35			
					26.8 - 48.8 2 - 3% pyrite as irregular shaped brassy aggregates 2mm- 4cm associated with quartz and calcite.	
		39.4 Coloration change, mainly lighter grey shale beds with dark grey to black weakly graphitic laminations thinly bedded but bedding very distorted.				
		43.7 Foliation @ ------------------------------- 47.2 Foliation @ -------------------------------	40 40	42.7-48.8 Moderate quartz - calcite veining as 2-4 cm wide veins parallel to foliation		
		47.4 Foliations becoming very shallow to core axis 5-10 degrees.		Increasing quartz carbonate veining.		
		┤ 48.8-49.4 ├«TH FLT CONTACT» Thrust fault contact between hanging wall Road River shales and Footwall Gunsteel Formation. Strongly milled texture, lithified and rebrecciated, healed by quartz and calcite.		Intense quartz-calcite veining.	Trace sphalerite within quartz veins.	
		Faulting possibly ------------------------------	25			
49.40 TO 505.70	GUNSTEEL FORMATION GRAPHITIC SHALE	Black, fine grained, moderately foliated, graphitic foliation planes, soft. Fragmentally textured with < 1% definite fragments of limestone up to 2cm at top of unit. Most fragmented texture due to boudining of beds.			┤3-5% Diss. Py├ 3-5% very fine grained disseminated pyrite. Locally irregular clots of brassy fine pyrite. Not sure if these are pyritic beds pulled apart along	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
	«GF GSH»	Top of unit down, foliation parallel to core axis.			foliation or pulled apart pyrite concretions. 67.2 10 cm of very fine pyrite laminations distorted by foliation.	
		79.8-90.8 10-15% 1-2mm round and occasionally lath shaped calcareous nodules. Could these also be baritic?				
		90.8-96.2 Patchy 4-5% calcareous, baritic? nodules.				
		97.5-136.2 Very broken and rubbly core recovery. 105.8 «FAULT» 30cm of soft gougy graphitic shale				
		112.9-123.7 Patchy 20-30cm zones of limestone beds or limey debris mixed with shale.				
		140.2 4-5cm wide zone with up to 5mm limey fragments. Bedding possibly @ ------------------------------	15			
		142.3 Foliation @ ------------------------------	10			
		140.2-154.8 Patchy light grey boudined/broken cm scale beds of weakly calcareous silt.				
		159.5 Foliation @ ------------------------------	08			
					159.5-190.6 1-3% disseminated pyrite associated with calcareous silty blebs that are distorted and flattened parallel to foliation. Some concentrated blobs of disseminated py. (up to 3-4cm), minor amounts of calcite veining with rare well formed sphalerite x-tals (up to 1mm) that are honey to brownish in colour, and tend to be triangular.	
		166.8 Foliation @ ------------------------------	10			

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
				171.3-172.8 Abundant qtz.-calcite veining	171.3-172.6 Minor amounts of sphalerite x-tals within qtz./calcite veins(up to 1mm) honey colour to reddish brown, vitreous lustre, may indicate remobilization of sphalerite. Disseminated py. with some concentrations as 3-4cm. blobs in a non calcareous matrix.	
		172.6-178.2 Very soft, broken up, highly graphitic, soft black shale, mostly rubble. 178.2-179 «FLT» Brecciated quartz-calcite veining with fragments of shale. Shales brecciated and healed by veining.			172.6-178.2 1-3% Disseminated pyrite with some concentrations or blobs.	
		179.1-190.6 Graphite still abundant but decreasing, mostly noticeable on foliation planes, finer grained, more consolidated.				
		188.1 Foliation @ ------------------------------	20			
		190.6-195.7 Black, graphitic shale with more silty beds of variable calcareous content.			190.6-195.7 Disseminated pyrite, being more concentrated in silty beds.	
		194.8 Bedding @ --------------------------------	25			
		195.5 Foliation @ ------------------------------	20			
		195.7-243.5 Black graphitic shale, with occassional <1-1cm calcareous silt beds and <1-10cm beds with up to 5% <1mm pyritic barite nodules.			195.7-243.5 Fine blebby barite beds with associated pyrite(approximately 1%)	
		205.8 Foliation\bedding @ ---------------------- 223.5-244 «FAULT ZONE»	30		Approximately 1% disseminated pyrite throughout.	
		223.5 Substantial increase in graphite content and calcite veining, very rubbly unconsolidated black graphitic sand at 228-228.2			Pyritic concentrations associated with calcareous siltstone.	
		228.2-228.4				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		FAULT ZONE. Brecciated shale healed by quartz-calcite veining. FAULT @ ------------------------	40			
		Foliation very shallow to core axis.				
		243.6-244.1 Gougy very graphitic lower fault contact.				
		244.5 Foliation @ -----------------------------	25			
		{244.1-253.7} «LST BX» <10% 2-4cm subangular light grey limestone fragment hosted by soft graphitic shale with patchy nodular barite over 10cm widths. Base of interval limestone beds or fragments with abundant 3-4mm round dark grey limey nodules.			Pyrite predominantly occurs with calcareous siltstone in blebs and blobs. (3-10mm)	
		247.4 Foliation @ ------------------------------	15			
		250.3 Foliation/Bedding @ ----------------------	25		Blebby barite/pyrite along bedding planes, some finely laminated pyrite overall 1-2% pyrite.	
		253.4-272.4 Fine grain, black, foliated shale, non-calcareous. Observable bedding of silty and silt/pyritic layers.			Rare very fine laminations of pyrite and blebby barite.	
		261.3 Foliation=Bedding @ ----------------------	30			
		266.7 Foliation=Bedding @ ----------------------	20			
		272.4-273.6 Limestone - very dark grey, med.grained, massive. Could this be a large concretion?, change in foliation, maybe beddding?			272.4-277.9 0.5-1% disseminated pyrite.	
		272.6 Foliation @ ------------------------------	65			
		{273.6-277.3} «CHT» Very abrupt change to graphitic chert, massive weakly brecciated with calcite veining. Foliations appear highly variable.				
		277.3 Black, graphitic, barren shale with minor calcite			Some bedded, ultra fine pyrite	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		veining. Variable amounts of graphite			laminations 0.5-1% (overall)	
		279.5 Bedding @ --------------------------------	30			
		282.5 Bedding defined by faint ultrafine pyrite laminations.		282.5-324 Weakly silicified.	{282.5-324.0} «10% PY LAM» 10% pyrite, very ultra fine grained occurring as very faint laminations defining bedding.	
		282.8 Bedding @ --------------------------------	35			
		285.8 Bedding @ --------------------------------	35			
		292.2 Bedding @ --------------------------------	20			
		303.1 Bedding @ --------------------------------	20			
		308.7 - 332.8 Rubbly, poor core recovery.				
		320.5 Bedding @ --------------------------------	20			
		{328.3-334.9} «FLT» Fault zone. Very poor core recovery, patchy fault gouge. Locus of faulting possibly at 331.3 - strongly milled and gougy. Fault possibly @ ------	15			
		331.6-334.9 Good core recovery, foliations contorted and fragmented. Below 334.9 Very graphitic along foliation planes.		334.9-342 Patchy weak-moderate silification mainly associated with areas of disseminated pyrite.	334.9-343.0 Patchy 2-3% disseminated pyrite and mm scale pyrite laminations.	
		337.0 Foliation @ ------------------------------	20	Below 342 Weak to moderate silification becoming more pervasive.		
		343.5 Foliation @ ------------------------------	35			
		343.5-350.1 Patchy 4-5cm zones of 2-3% nodular barite.				
		352.4-352.7 Soft very graphitic, disturbed foliations.		352.7-367.9 Moderately silicified. Could also be cherty.		
		357.8 Bedding @ --------------------------------	40		{357.7-376.4}«LAM PY» Patchy, ultra finegrained very narrow pyrite laminations.	
		360.6 Bedding @ --------------------------------	40			

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
					Py laminations decreasing below 364m	
				Below 367.9 Weak to moderate silicification.		
		371.0 Foliation @ -------------------------------	20			
		373.0 Bedding @ ---------------------------------	40			
		376.4 Bedding @ ---------------------------------	20			
		384.2-470.9 Patchy, rubbly core recovery with foliations very shallow to core axis and distorted. Strongly graphitic, patchy, brecciated and milled appearance. Rock is either silicified shales or massive chert and cherty shales.		384.2-470.9 Patchy strong silicification some of which may be chert.		
					{416.7-419.1} «5% PY» 3-5% pyrite as cores to 1mm barite nodules.	
		438.0 Possible bedding @ ------------------------	45			
				441.3-447.1 Abundant irregular wormy quartz veining and more massive quartz with minor calcite.		
		455.3 Foliation @ -------------------------------	25			
		457.1-459.4 Possible fault zone, poor core recovery, very rubbly, strongly graphitic, minor quartz veining.				
		460.1-464.2 2-3% 1-4mm med. grey irregular siliceous nodules (baritic?) with pyrite rims and cores.				
		463.4-463.9 Possible fault zone. Broken distorted foliations and quartz veining.				
		470.9-474.0 Silty silicified shales, speckled appearance with fine white granules. Thinly bedded and laminated, Bedding @ ---------------------------------------	15		{470.0-474.0} «4% PY» 3-4% finely disseninated pyrite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		{474.0-504.2} «CHT» Silicified or cherty graphitic shales.		474.0-504.2 Moderate-strongly silicified or cherty. Patchy <1-3cm quartz veining.	474.0-504.2 <1-3% very finely disseminated pyrite. Traces of red and honey spalerite within quartz veinlets. Sphalerite ending at 489.3.	
		{504.2-506.3}«FAULT» Possible fault zone. Moderately abundant wormy quartz veining, brecciated, locus of shearing possibly at 505.5m. 505.6-10cm clay fault gouge.				
505.70 TO 701.40	GUNSTEEL FORMATION SILICIFIED, PYRITIC SHALES. «SIL PY SH»	Black,fine grained, more massive but still weakly foliated. Very minor graphite along foliation planes.		Moderate to strongly silicified, patchy weaker silicification. Stronger silicification associated with areas of laminar and disseminated pyrite.		Much better RQD, more competent rock. Sharp decrease in graphite content.
		505.7-506.3 Quartz veining and brecciation associated with faulted upper contact.			{505.7-525.6}<15% LAM PY> 15% very fine grained laminar bedded pyrite. 2-3% finely disseminated pyrite. 525.6-544.4 <1-2% finely disseminated pyrite.	
		505.7-525.6 Bedding @ ----------------------------	10 15			
		526.4-527.2 2-3% Nodular Barite				
		534.0 Foliation @ --------------------------------	15			
		540.5 Foliation @ --------------------------------	20			
		544.4-551.3 Silty shale, fine white speckled appearance, noncalcareous. Bedding at ------------------------			{544.4-551.3}«5-7% DISS PY» 5-7% Disseminated pyrite.	
		559.4 Foliation @ --------------------------------	25		{551.3-608.8}<3-4% DISS PY> 3-4% and locally, 5-7% finely disseminated pyrite.	
		568.6 Foliation @ --------------------------------	25			
		581.7 Patchy white speckled calcareous silty - pyritic layering, defining bedding.				
		583.6 Begin to see 1-4mm calcareous pyritic-baritic				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		nodules. Disseminated throughout to locally concen trated into thin beds. Barite content variable from 1-2% to locally 10%				
		584.6 Bedding @---------------------------------	35			
		585.2 Foliation @ ------------------------------	28		591.2 Begin to see rare pyrite laminations.	
		595.4 Bedding @ --------------------------------	35		599.6-600.8 15-20% laminar bedded pyrite, 7-10% nodular calcareous pyrite-barite.	
		600.0 Bedding @ --------------------------------	40			
		603.6 Bedding @ --------------------------------	32			
		608.8-626.1 Calcareous nodular pyritic barite layers interbedded with pyrite.			┤608.8-626.1├<10-15% LAM PY> 10-15% finely laminar pyrite concentrated within 20-30cm zones. Pyrite content within the 20-30cm zones runs 30-40%. 3-5% finely disseminated pyrite within shales.	
		612.0 Bedding @ --------------------------------	40			
		626.1-642.8 Patchy nodular pyritic barite associated with pyritic laminations.			626.1-642.8 2-3% finely disseminated pyrite, rare pyrite laminations.	
				632.9-641.1 Weak wormy quartz-calcite veining.		
		┤641.1-648.9├«FLT» Abundant wormy quartz-calcite veining with strong brecciated appearance in areas of veining. 642.7 10cm of soft clay gouge. 648.8-648.9 possible locus of faulting. Strong sheared and milled appearance healed by quartz. Faulting possibly @ ----------------------------	60		642.7-648.9 1-2% sphalerite as mm scale red clots within quartz-calcite veins. 646.7 - 40cm finely laminated massive pyrite partially distorted by faulting.	
		648.9-651.0 Bedding @ --------------------------	80 90		648.9-651.0 40-50% finely laminated pyrite in 10-20 cm zones of massive pyrite.	
		651.0-663.8 Black massive barren silicified shale.				
		663.8-673.1 Bedding fairly consistant between 65 and 75 degrees.			┤663.8-673.1├«45% LAM PY» 45% finely laminar pyrite concentrated within 10-20cm and up to 60cm zones of massive pyrite. 2-3% very fine	666.1 Nautiloid fossil recovered from within sulfide laminations. No specific age significance.

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		673.1-701.4 Black fairly massive variably silicified shale. Patchy laminar bedded pyrite, often associated with nodular barite and occassional black septarian nodules. Locally light grey silty calcareous beds, 2-3cm + up to 10cm thick. 679.8 Bedding @ -------------------------------- Foliation @ ------------------------------ 684.0 Bedding @ -------------------------------- 688.2 Bedding @ -------------------------------- 691.9 Bedding @ --------------------------------	 80 40 65 30 30	Below 673.1 silicification decreasing.	disseminated pyrite within shales. {673.1-701.4}«PATCHY LAM PY» Patchy 5-10cm zones of laminar pyrite. 2-3% very fine disseminated pyrite throughout. Overall pyrite content approximately 5-7%	
701.40 TO 735.80	CARDIAC CREEK ZONE INTERBEDDED LAMINAR MASSIVE SULPHIDES AND SHALE. «MS SH»	Black, light brown, light grey, fine grained. Interbedded zones of black massive shale and massive sulphides composed of fine laminar beds of pyrite and sphalerite. Laminar massive sulphide beds vary from 10cm-1-2m thick. Massive sulphide zones contain 3-5% <1-1mm calcareous-barite nodules containing brassy pyrite, common round dark calcareous nodules. 701.4-724.0 Bedding fairly consistent between 12 and 15 degrees. 723.0 Sulphide laminations becoming very shallow to core axis and becoming distorted and folded from 724.6-725.3. 725.3-725.5 Laminations much steeper to core axis. 725.5-725.65 Possible fault zone.		Weakly calcareous within sulphide zones. Black shales moderately silicified.	Fine laminar beds of fine brown pyrite and light grey sphalerite. Galena occurs as course grained mm scale calcareous clots within sulphide laminations. 2-3% very finely disseminated pyrite within shale beds. Sulphide contents as follows: 701.4-702.8 - 70% sulphides 702.8-704.2 - 75% sulphides 704.2-705.6 - 55-60% sulphides 705.6-707.7 - 85% sulphides 707.0-708.4 - 95% sulphides 708.4-709.6 - 10-12% sulphides 709.6-711.6 - 85% sulphides 711.6-713.6 - 2-3% disseminated py. 713.6-715.1 - 80% sulphides 715.1-716.5 - 55% sulphides 716.5-718.1 - 90% sulphides 718.1-720.1 - 2-3% disseminated py. 720.1-721.7 - 90% sulphides 721.7-723.3 - 90% sulphides 723.3-724.9 - 100% sulphides 724.9-726.7 - 85% sulphides 726.7-727.8 - 2-3% disseminated py. 727.8-729.9 - 75% sulphides	 5-6% Zn 5% Zn 2% Zn 2-3% Zn 4% Zn 1% Zn 8% Zn 12-13% Zn 4-5% Zn 5% Zn 10-12% Zn 7% Zn 10-12% Zn 9-10% Zn 7% Zn

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		725.65-726.7 Folded distorted laminations but still steep to the core axis. 726.7-735.8 Laminations fairly consistent @ ----------------	55		729.9-730.9 - 3-4% disseminated py. 730.9-732.5 - 70% sulphides 732.5-734.1 - 75% sulphides 734.1-735.8 - 30% sulphides	 6% Zn 7-8% Zn 1% Zn
735.80 TO 745.80	GUNSTEEL FORMATION. PYRITIC SHALES. «PY SH»	Black, fine grained, weakly foliated shale with common laminar pyrite zones 3-10cm thick. Pyrite laminations contain abundant <1cm calcareous nodules. Occasional calcareous siltstone laminations. Bedding consistant @ ----------------------------	50	Moderately silicified.	10-12% Laminar bedded pyrite occurring within 3-10cm zones of laminated shale and pyrite. 1-3% very finely disseminated pyrite.	
745.80 TO 748.60	LAMINAR PYRITE «LAM PY»	Medium brown, black striped, fine grained. Laminar bedded pyrite with common irregular rounded <1cm dark grey calcareous nodules. Laminar pyrite interlaminated with black shale laminations and minor barite.			745.8-748.6 «80% PY», 747.2-747.6 100% pyrite, massive, bedding very indistinct, weak fragmental texture.	
748.60 TO 754.40	BEDDED NODULAR BARITE «BDD-NOD BA »	Light grey, fine-medium grained. Thinly bedded and laminated mix of barite with lesser pyrite, shale and calcareous siltstone laminations. Barite mainly nodular in form, coalescing into thin laminations. 7-10% rounded dark grey calcareous nodules. Bedding @ --------------------------------------	55 60	Weak to moderately calcareous even within barite beds.	15-20% pyrite as thin laminations interlaminated with barite.	
754.40 TO 761.40	GUNSTEEL FORMATION BARITIC SHALE. «BA SH-LMS BX»	Black, finely grained, weakly foliated shale with thin interbeds of light grey calcareous siltstone and 10% medium to dark grey limestone or limestone fragments. 20% nodular barite, disseminated and concentrated into thin beds. Bedding @ --------------------------------------	50 55	Strongly silicified.	2-3% fine laminar pyrite mainly at the base of the unit.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
761.40 TO 783.00	GUNSTEEL FORMATION SILICIFIED SHALE «SIL SH»	Black, fine grained, weakly foliated, occasional light grey calcareous silty laminations. Silt and pyrite defining bedding @ --------------	55	Moderate to strongly silicified.	7-10% pyrite as common singular pyritic laminations. 2-3% fine disseminated pyrite. {761.4-783.00} «SIL SH»	
783.00 TO 801.30	SHALE LIMESTONE SILTSTONE BRECCIA «SH LST - SLT BX»	Dark grey to black. 25-35% subrounded 2cm - 60cm (Ave. 10cm) fragments of course fossiliferous crinoidal sand limestone, calcareous siltstone, pyritic siltstone and shale in a black shale matrix. Limestone fragments most common from 783.0-789.9. Mainly calcareous siltstone fragments below 789.9. Massive to weakly foliated , graphitic along foliation planes. Foliation averages around ----------------------	45	Moderately silicified becoming weaker downhole.	1-2% pyrite. Disseminated throughout and within occassional pyritic calcareous siltstone fragments.	
801.30 TO 818.40	ROAD RIVER FORMATION CALCAREOUS SILTSTONE «R.R. CALC SLTST»	Dark grey, fine grained, massive, patchy weak layered appearance from light grey strongly calcareous mm scale layers. Layers @ -------------------------------------- END OF HOLE.	70 75	Weakly calcareous, light grey layers strongly calcareous.	Trace of pyrite.	

Sample	From (m)	To (m)	Length (m)	ASSAYS Zn %	Pb %	Ag g/t	Ba %	Cd %	S %	GEOCHEMICAL Zn ppm	Pb ppm	Ag ppm	Ba ppm	Cd ppm	Cu ppm	Se ppm	Hg ppb	S.G.	COMMENTS
40401	648.90	651.00	2.10	2.30	.30	6.9	.66							>100.0	48				
40564	662.80	663.80	1.00	.31	.03	1.4	.73							.1	31				
40402	663.80	665.20	1.40	2.04	.37	7.0	2.85							99.6	53				
40403	665.20	666.60	1.40	4.01	.61	8.2	4.09							>100.0	57				
40404	666.60	668.20	1.60	2.50	.45	5.6	4.28							>100.0	52				
40405	668.20	669.80	1.60	2.19	.39	4.9	4.48							>100.0	48				
40406	669.80	671.50	1.70	3.56	.66	7.0	3.82							>100.0	50				
40407	671.50	673.10	1.60	.85	.12	3.4	1.14							47.3	61				
40565	673.10	674.10	1.00	.30	.03	1.8	.84							.1	29				
40444	698.60	699.50	0.90	1.91	.39	7.3	1.19							>100.0	116				
40445	699.50	701.40	1.90	.67	.11	2.5	1.52							39.1	39				
40408	701.40	702.80	1.40	4.76	.90	9.3	3.83							>100.0	56				
40409	702.80	704.20	1.40	5.52	.97	10.5	5.06							>100.0	53				
40410	704.20	705.60	1.40	3.39	.64	8.4	5.34							>100.0	40				
40411	705.60	707.00	1.40	4.82	.95	11.8	5.44							>100.0	49				
40412	707.00	708.40	1.40	5.61	1.02	14.5	3.74							>100.0	56				
40413	708.40	709.60	1.20	1.52	.29	3.9	5.84							72.8	45				
40414	709.80	711.60	1.80	7.81	1.51	15.0	2.75							>100.0	77				
40415	711.60	713.60	2.00	.42	.19	1.9	2.14							19.4	28				
40416	713.60	715.10	1.50	10.30	1.76	13.4	6.26							>100.0	92				
40417	715.10	716.50	1.40	4.39	1.27	10.0	4.77							>100.0	61				
40418	716.50	718.10	1.60	6.45	1.37	12.8	4.32							>100.0	78				
40419	718.10	720.10	2.00	.31	.16	1.6	3.04							10.1	26				
40420	720.10	721.70	1.60	9.14	1.35	14.5	5.09							>100.0	69				
40421	721.70	723.30	1.60	5.75	1.49	12.6	5.70							>100.0	51				
40422	723.30	724.90	1.60	10.90	1.74	17.2	3.92							>100.0	55				
40423	724.90	726.70	1.80	8.80	1.41	14.0	6.23							>100.0	55				
40424	726.70	727.80	1.10	.28	.17	1.5	2.67							8.7	30				
40425	727.80	729.90	2.10	10.10	2.25	16.3	5.72							>100.0	62			3.14	
40426	729.90	730.90	1.00	.57	.17	1.9	2.09							29.1	27			3.22	
40427	730.90	732.50	1.60	6.25	1.29	13.5	4.43							>100.0	57			3.18	
40428	732.50	734.10	1.60	5.13	1.06	10.4	5.52							>100.0	52			3.01	
40429	734.10	735.80	1.70	1.50	.33	5.0	1.97							83.1	62			2.71	
40430	735.80	737.30	1.50	.39	.03	1.6	1.66							13.8	24			2.59	
40566	737.30	738.50	1.20	.52	.04	2.0	1.74							.1	30				
40567	738.50	739.70	1.20	.41	.04	2.3	1.12							.1	47				
40568	739.70	741.30	1.60	.35	.03	1.8	1.43							.1	34				

Sample	From (m)	To (m)	Length (m)	ASSAYS Zn %	Pb %	Ag g/t	Ba %	Cd %	S %	GEOCHEMICAL Zn ppm	Pb ppm	Ag ppm	Ba ppm	Cd ppm	Cu ppm	Se ppm	Hg ppb	S.G.	COMMENTS
40569	741.30	742.80	1.50	.32	.02	2.3	1.33							.1	41				
40431	742.80	744.30	1.50	.39	.03	2.6	1.64							2.4	48				
40432	744.30	745.80	1.50	.47	.03	2.4	3.33							2.4	34				
40433	745.80	747.20	1.40	1.32	.07	5.8	5.19							.1	40				
40434	747.20	748.60	1.40	.13	.13	9.9	6.47							.1	33				
40435	748.60	750.10	1.50	.02	.04	3.1	25.90							.1	22				
40436	750.10	751.60	1.50	.02	.04	2.7	24.70							.1	24				
40437	751.60	753.10	1.50	.01	.03	2.4	30.20							.1	22				
40438	753.10	754.40	1.30	.07	.01	1.2	27.80							.1	30				
40439	754.40	755.70	1.30	.11	.02	1.3	8.50							.1	38				
40440	755.70	757.20	1.50	.01	.01	1.1	24.10							.1	25				
40441	757.20	758.80	1.60	.01	.01	1.4	18.50							.1	28				
40442	758.80	760.10	1.30	.24	.01	1.3	8.53							13.9	37				
40443	760.10	761.40	1.30	.16	.01	1.2	12.00							7.4	37				
40570	761.40	762.40	1.00	.43	.02	2.2	2.42							.2	48				
40571	762.40	763.40	1.00	.36	.01	1.6	1.76							.2	45				
AVE.	663.80	671.50	7.70	2.86	0.50	6.49	3.93							18.11	51.82				
AVE.	701.40	734.10	32.70	5.52	1.08	10.45	4.46							5.66	53.46				
ALT.AVG.	720.10	729.90	9.80	8.02	1.51	13.47	5.07							0.98	55.33				

Total amount of samples= 53
Total length sampled = 78.0M

HOLE NUMBER: A-95-14

MINNOVA INC.
DRILL HOLE RECORD

DATE: 19-February-1996
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: GATAGA
PROJECT NUMBER: 677
CLAIM NUMBER:
LOCATION: NTS 94F/7

PLOTTING COORDS GRID: AKIE
NORTH: 3390.00S
EAST: 285.00W
ELEV: 1528.00

ALTERNATE COORDS GRID:
NORTH: 0+ 0
EAST: 0+ 0
ELEV: 0.00

COLLAR DIP: -79° 0' 0"
LENGTH OF THE HOLE: 124.10m
START DEPTH: 0.00m
FINAL DEPTH: 124.10m

COLLAR GRID AZIMUTH : 95° 0' 0"
COLLAR ASTRO. AZIMUTH : 55° 0' 0"

DATE STARTED: July 13, 1995
DATE COMPLETED: July 14, 1995
DATE LOGGED: 0, 0

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

PULSE EM SURVEY: NO
CAPPED: NO
HOLE SIZE: NQ

CONTRACTOR: J.T.THOMAS DIAMOND DRILL.
CASING: 6.7m Pulled
CORE STORAGE: On site

PURPOSE: Test Cardiac Creek Zone downdip of A-94-12

COMMENTS :

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
-	-	-	-	-		-	-	-	-	-	
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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 6.70	CASING					
6.70 TO 124.10	ROAD RIVER FORMATION SANDY SILTSTONE «R.R. SS SL T»	Gray/black siltstone interbedded with light grey, variably calcareous beds. Moderately foliated, thinly bedded. Bedding defined by lighter grey beds, and is frequently distorted. Soft, non-calcareous. Rare limestone mud beds 20-40 cm thick				
		14.9m Bedding/foliation @ ------------------------	28	Minor quartz/calcite veining.	1-2cm beds of disseminated pyrite, small clots of sphalerite (.5-1cm) hosted in quartz/calcite veinlets-trace amount. Slightly more abundant pyrite clots in quartz-calcite.	
		25.35-25.70 Limestone - weakly foliated, bioclastic, soft, light grey.				
		32.1m Bedding/foliation @ ------------------------	30			
		47.0m Bedding/foliation @ ------------------------	30			
		53.6m Bedding/foliation @ ------------------------	32			
		78.2m Foliation @ --------------------------------	30			
		90.1m Bedding/foliation @ ------------------------	25			
		99.4m Foliation @ - - - - - - - - - - - - - - - -	25			
		114.1m Bedding @ - - - - - - - - - - - - - - - - -	25		124.1 Hole stopped due to excessive deviation.	

Sample	From (m)	To (m)	Length (m)	ASSAYS Zn %	Pb %	Ag g/t	Ba %	Cd %	S %	GEOCHEMICAL Zn ppm	Pb ppm	Ag ppm	Ba ppm	Cd ppm	Cu ppm	Se ppm	Hg ppb	S.G.	COMMENTS
	0.00	0.00	0.00																

Total amount of samples= 1
Total length sampled = 0.0M

HOLE NUMBER: A-95-15

MINNOVA INC.
DRILL HOLE RECORD

DATE: 19-February-1996
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: GATAGA
PROJECT NUMBER: 677
CLAIM NUMBER: AKIE 7
LOCATION: NTS 94F/7

PLOTTING COORDS GRID: AKIE
NORTH: 3390.00S
EAST: 285.00W
ELEV: 1528.00

ALTERNATE COORDS GRID:
NORTH: 0+ 0
EAST: 0+ 0
ELEV: 0.00

COLLAR DIP: -84° 0' 0"
LENGTH OF THE HOLE: 578.20m
START DEPTH: 0.00m
FINAL DEPTH: 578.20m

COLLAR GRID AZIMUTH : 95° 0' 0"
COLLAR ASTRO. AZIMUTH : 55° 0' 0"

DATE STARTED: July 14, 1995
DATE COMPLETED: August 2, 1995
DATE LOGGED: 0, 0

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

PULSE EM SURVEY: NO
CAPPED: NO
HOLE SIZE: NQ

CONTRACTOR: J.T.THOMAS
CASING: 6.1m
CORE STORAGE: on site

PURPOSE: Test Cardiac Creek Horizon downdip of massive sulfides in hole A-95-12

COMMENTS :

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
152.40	-	-75° 0'	ACID	OK		-	-	-	-	-	
12.20	46° 0'	-83° 0'	SING.SHOT	ok		-	-	-	-	-	
61.00	36° 0'	-77° 0'	SING.SHOT	OK		-	-	-	-	-	
121.90	32° 0'	-76° 0'	SING.SHOT	OK		-	-	-	-	-	
182.90	29° 0'	-75° 0'	SING.SHOT	OK		-	-	-	-	-	
243.80	28° 0'	-74° 0'	SING.SHOT	OK		-	-	-	-	-	
304.80	24° 0'	-73° 0'	SING.SHOT	OK		-	-	-	-	-	
365.80	24° 0'	-73° 0'	SING.SHOT	OK		-	-	-	-	-	
426.70	29° 0'	-71°30'	SING.SHOT	OK		-	-	-	-	-	
487.70	27° 0'	-69°30'	SING.SHOT	OK		-	-	-	-	-	
548.60	26° 0'	-68° 0'	SING.SHOT	OK		-	-	-	-	-	
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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 6.70	CASING					
6.70 TO 223.80	ROAD RIVER FORMATION SILTSTONE «R.R. SLTST »	Interbedded light grey siltstone with darker grey/black silty shale. Light grey beds are soft and strongly calcareous to non-calcareous with no visible difference to indicate the change in CaCO3 content. Darker beds are silty shale to shale, noncalcareous, soft, occasionally graphitic thinly bedded, and are occasionally concentrated in up to 1m. beds. The entire unit is well bedded and foliated with the strongest foliation parallel to bedding. Beds are thinly bedded with regular zones of very distorted bedding (anastimosing beds). Where beds are distorted the majority of of rock is the lighter grey siltstone with very thin layers of darker s.s. throughout rare limestone mud beds.(20-40cm.)				
		8.0 Bedding @ ----------------------------------	24			
		20.0 Bedding/Foliation @ -----------------------	24			
		31.6 Foliation @ -------------------------------	24			
		35.6 Foliation @ -------------------------------	30			
		44.2 Foliation @ -------------------------------	30			
		50.4-51.0 Limestone mud beds.				
		56.8 Bedding @ ---------------------------------	30			
		68.4 Foliation @ -------------------------------	30			
		84.2 Bedding/Foliation @ -----------------------	25			
		94.8 Foliation @ -------------------------------	20			
		103.6 Bedding/Foliation @ ----------------------	25			
		119.8-125.2 Intense veining and brecciation, graphite associated with calcite/quartz veins/veinlets.		119.8-125.2 Intense calcite veining up to 30cm thick. Minor quartz with the calcite.		

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		127.0 Foliation @ ------------------------------	20			
		143.2 Bedding/Foliation @ ----------------------	20			
		153.6 Foliation @ - - - - - - - - - - - - - - -	25			
		170.5 Bedding / foliation @ - - - - - - - - - - - - 185.0 Foliation @ - - - - - - - - - - - - - - - - - 187.6 Foliation @ - - - - - - - - - - - - - - - - - 192.8 Foliation @ - - - - - - - - - - - - - - - - - 207.0 Bedding / foliation @ - - - - - - - - - - - - 221.0 Bedding / foliation @ - - - - - - - - - - - -	20 15 20 30 25 20			
		∤223.0-223.8∤«TH FLT CONTACT» Thrust fault contact between hanging wall Road River siltstones and footwall Gunsteel Formation. Rubbly and broken with soft graphitic black gouge.				
223.80 TO 290.10	GUNSTEEL FORMATION «SH»	Black, very fine grained, soft shales. Well foliated with more then one strong foliation (parallel and oblique to bedding). Bedding recognized by disseminated pyrite beds and some light grey silty beds that are either calcareous siltstones or a silty lime mud. The calcareous beds are not uniformly bedded and represent a disturbance in the sedimentation, they also contain abundant calcite veining that remains isolated within the beds.		Minor calcite / quartz veining that frequently contains pyrite and occasionally graphite.	1-2% disseminated pyrite. Very thin beds of concentrated disseminated py Small clots of irregularly shaped and randomly located pyrite frequently occurring with quartz/calcite and possibly barite. 3-5% disseminated pyrite within the light grey lime mud beds.	
		224.0 Bedding / foliation @ - - - - - - - - - - - -	20			
		226.0 Bedding @ - - - - - - - - - - - - - - - - - -	30			
		231.2 Bedding @ - - - - - - - - - - - - - - - - - -	35			
		235.4 Bedding @ - - - - - - - - - - - - - - - - - - Foliation @ - - - - - - - - - - - - - - - - -	35 25			
		252.0 Bedding / Foliation @ --------------------	35			
		∤261.8-290.1∤ «FLT» Graphite content increases, intense qtz/calcite		Majority of veining is quartz but calcite is present. Strong brecciation	Sphalerite occurring as honey coloured subhedral to anhedral clots in	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		veining and brecciation. Very few silty beds. Well foliated and bedding appears distorted by foliation. Graphite occurs as massive chunks hosted in quartz/cc veins, as euhedral crystals in small veinlets, and disseminated in the black shale. 270.8-273.4 FLT 270.8 Fault is at approximately ----------------- 270.8-271.4 Black graphitic mud.(fault gouge) 271.4-272.0 Massive quartz with graphitic stringers noticeable slickenside perpendicular to dip direction of fault. Pale blue/green mineral present in quartz occurring in fractures, very soft and powdery. 272.0-273.4 Graphitic shale. Very soft and rubbly to gougy.	 20	and subsequent rehealing.	occasional concentrations in qtz/cc veins. Pyrite occuring as follows: -thin flat wisps parallel to foliation -disseminated -thin beds of concentrated disseminated py. -irregular clots usually associated with calcite.	
290.10 TO 309.60	GUNSTEEL FORMATION GRAPHITIC SHALE «GF SH»	Black, graphitic shale, well foliated, soft, (because of graphite content). Core splits easily on foliation planes. 303.9 Foliation @ ------------------------------ 320.0 Foliation @ ------------------------------	 35 40	Minor quartz/cc veinlets, frequently with subhedral graphite crystals within.	<1% Pyrite disseminated within silty beds and as brassy siliceous veins. 290.1-294.3 2-3% wispy disseminated pyrite drawn into the foliation.	
309.60 TO 449.40	GUNSTEEL FORMATION CHERT, SILICIFIED SHALE «CHT SIL SH »	Black, very fine grained, foliated with strongly graphitic foliation/bedding planes. Bedding poorly developed, locally well developed graphitic ribbon banded chert. 330.8-334.1 Silicified or cherty shales with 3-5% <1-1mm white calcareous barite nodules with pyrite cores. Bedding @ ------------------------------------ 340.3 Bedding @ --------------------------------	 45 50	309.6-360.3 Pervasive silicification or cherty graphitic shales.	309.6-330.8 1-2% disseminated pyrite. 330.8-334.1 1-2% disseminated pyrite. Also very faint pyritic laminations, total sulfide content very difficult to estimate. 334.1-342.9	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		342.9-343.5 «BA SH» Baritic cherty or silicified shale. 60-70% 1-2mm calcareous barite nodules concentrated into thin beds interbedded with graphitic silicified shales or chert.			Rare, very faint pyrite laminations. 342.9-343.5 Local dark brown coloration suggesting ultrafine pyrite laminations. Traces of honey-red grains, possibly sphalerite.	
		Bedding @ --	40			
		343.5-360.3 Patchy fine <1mm calcareous baritic nodules.			343.5-360.3 2-3% disseminated pyrite.	
		360.3-362.7 «FLT» Fault zone. Highly graphitic, common clay gouge, brecciated and quartz veined.				
		Faulting possibly @ -----------------------------	45 50	Moderately abundant quartz veining some of which are brecciated.		
		362.7-407 Black silicified or cherty shales, more massive than above fault but still well foliated. Graphitic foliation planes but not as graphitic as above fault.		362.7-407 Pervasive silicification or chert.	Minor pyrite laminations.	
		365.0 Foliation @ -------------------------------	20			
		376.0 Foliation @ -------------------------------	15			
					380.1-381.7 <1-1% 1-2mm round pyrite nodules.	
					386.5 Pyritic laminations becoming common, overall pyrite content <5%.	
		390.0 Bedding @ --------------------------------	35			
		Foliation @ -------------------------------	25			
		Bedding becoming transposed.				
		400.3-407.0 Bedding as defined by py laminations fairly consistent @ ----------------------------------	30		400.3-407.0 «7% LAM PY» 7% very fine faint pyrite laminations.	
		407.0-422.7 Massive, poorly foliated, very siliceous, some sections very cherty looking.				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		Foliation @ ------------------------------------	25			
		421.7 30cm with 70% up to 5mm dark grey round calcareous nodules.			┤422.0-438.9├«10% LAM PY» 10% pyrite as ultra fine grained pyrite laminations.	
		423.6 Pyrite Bedding @ --------------------------	50			
		430.7 Pyrite Bedding @ --------------------------	60			
		431.4 Foliation @ ------------------------------	35			
		┤438.9-450.6├ «CHT» Massive chert becoming graphitic and locally ribbon banded below 444.5.				
		450.6 More foliated, stronger shale appearance, still cherty or silicified.			450.6 Common extremely fine and faint pyrite laminations. Overall sulphide content <3%.	
		453.2 Foliation @ ------------------------------	35			
		┤463.1-463.5├«FLT» Fault zone. 40cm of black graphitic clay fault gouge. Fault possibly @ ------------------------	20			
		┤466.1-468.8├«FLT» Fault zone, 90% black clay graphitic fault gouge.				
449.40 TO 543.80	GUNSTEEL FORMATION SILICIFIED SHALE «SIL SH»	Black, fine grained, weakly foliated silicified shales. Minor graphite along foliation planes. Faintly bedded defined by very faint pyritic laminations and minor calcareous, lighter grey laminations. Very patchy <1m zones of 1%<1-1mm barite nodules.		Pervasive moderate to strong silicification.	Common extremely fine and faint pyrite laminations. Overall sulphide content <3% pyrite.	
		453.2 Foliation @ ------------------------------	35			
		┤463.1-463.5├«FLT» Fault zone. 40cm of black graphitic clay fault gouge. Fault possibly @ -------------------------------	20			
		┤466.1-468.8├«FLT» Fault zone. 90% black clay graphitic fault gouge.				
		474.4 Bedding @ --------------------------------	20			

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		483.5 Bedding @ -------------------------------- 497.5 Bedding @ -------------------------------- 504.3 Bedding @ --------------------------------	30 35 35			
		∤505.1-514.2∤«FLT» Fault zone. Very poor core recovery of broken silicified shale and black graphitic fault gouge.				
		514.2- to end of unit stronger foliation, rubbly core recovery, graphite content along foliation planes gradually increasing.				
		519.5 Bedding @ -------------------------------- 522.5 Bedding @ --------------------------------	50 40			
		536.8 Bedding @ --------------------------------	45		536.7-538.8 10% very fine grained pyrite within abundant fine laminations.	
		540.8-541.1 Thrust fault. Brecciated and quartz healed, 2cm zone of milling and quartz healing.				
543.80 TO 578.20	GUNSTEEL FORMATION GRAPHITIC CHERT AND SILICIFIED SHALE. «GF CHT, SI L SH»	Black, very fine grained, well foliated, strongly graphitic along foliation planes.		Common very fine discontinuous quartz-calcite tension gashes, veinlets.		
		543.8-554.4 Mainly black graphitic silicified shales, patchy fine laminar bedded pyrite. 554.0 Bedding @ --------------------------------	 45		543.8-554.4 Patchy, fine faint laminar pyrite, patchy 3-4% disseminated pyrite.	543.8-554.4 Outside of increased graphitic content this interval could be grouped with previous unit.
		∤554.4-555.0∤«TH FLT @ 65 deg» Thrust Fault. Strongly brecciated and quartz healed. Top of fault locus of faulting - stringly milled and quartz healed. Faulting @ ------------------------------------	 65			
		555.0 - 578.2 Mix of black poorly bedded graphitic chert and graphitic silicified shale, chert is the more common lithology.			555.0 - Rare patchy very fine pyrite laminations.	
		559.6 Foliation @ ------------------------------ 564.1 Bedding @ -------------------------------- 571.5 Bedding @ --------------------------------	20 55 25			578.2 m rods stuck in hole. Break rods at 378 m. Set wedge at

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
						268.2 m. Drill past wedge and intersect well developed fault gouge. Abandon hole at 275.5 m.

Sample	From (m)	To (m)	Length (m)	ASSAYS Zn %	Pb %	Ag g/t	Ba %	Cd %	S %	GEOCHEMICAL Zn ppm	Pb ppm	Ag ppm	Ba ppm	Cd ppm	Cu ppm	Se ppm	Hg ppb	S.G.	COMMENTS
	0.00	0.00	0.00																

Total amount of samples= 1
Total length sampled = 0.0M

HOLE NUMBER: A-95-16

MINNOVA INC.
DRILL HOLE RECORD

DATE: 19-February-1996
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: GATAGA
PROJECT NUMBER: 677
CLAIM NUMBER: AKIE 7
LOCATION:

PLOTTING COORDS GRID: AKIE
NORTH: 3820.00S
EAST: 135.00W
ELEV: 1350.00

ALTERNATE COORDS GRID:
NORTH: 0+ 0
EAST: 0+ 0
ELEV: 0.00

COLLAR DIP: -83° 0' 0"
LENGTH OF THE HOLE: 741.30m
START DEPTH: 0.00m
FINAL DEPTH: 741.30m

COLLAR GRID AZIMUTH : 90° 0' 0"
COLLAR ASTRO. AZIMUTH : 50° 0' 0"

DATE STARTED: August 3, 1995
DATE COMPLETED: August 17, 1995
DATE LOGGED: 0, 0

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

PULSE EM SURVEY: NO
CAPPED: NO
HOLE SIZE: NQ

CONTRACTOR: J.T.THOMAS
CASING: 8.2m
CORE STORAGE: ON SITE

PURPOSE: Test Cardiac Creek Horizon 300m downdip of holes A3 & 4.

COMMENTS :

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
61.00	39° 0'	-87°30'	SING.SHOT		
122.00	31° 0'	-79°30'	SING.SHOT	OK	
183.00	47° 0'	-77° 0'	SING.SHOT		
244.00	22° 0'	-67°30'	SING.SHOT	OK	
305.00	20° 0'	-64° 0'	SING.SHOT	OK	
366.00	20° 0'	-63° 0'	SING.SHOT	OK	
427.00	20° 0'	-61° 0'	SING.SHOT	OK	
488.00	22° 0'	-59° 0'	SING.SHOT	OK	
549.00	22° 0'	-55°30'	SING.SHOT	OK	
610.00	28° 0'	-52°30'	SING.SHOT	OK	
671.00	25° 0'	-50°30'	SING.SHOT	OK	
732.00	29° 0'	-48° 0'	SING.SHOT	OK	
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Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 8.20	CASING					
8.20 TO 59.00	GUNSTEEL FORMATION «SH»	Black, very fine to fine grained, strongly foliated shales. Soft; foliation is sub p'll to core axis resulting in broken and very blocky core. 8.2-12.40 Med. to strongly oxidized on fracture surfaces.		8.2-59.00 Foliation surfaces are moderate to strongly graphitic.	Trace disseminated pyrite.	
		CAB Foliation @ 11.80m @ ------------------------	10			
					Minor blebby barite with pyrite cores, 3-5%	
		12.40-12.80 Fault, 95% very vuggy; no gouge				
		CA Foliation @ 14.50m @-------------------------	20			
		CA Foliation @ 18.10m @ ------------------------	18			
					18.10m - 1cm pyrite rich bed, 50% p'll to foliation.	
		18.20-18.30 50% Quartz vein.				
		┤19.50-22.00├«FLT» 30% quartz veins, very strongly sheared shales with minor graphitic gouge.				
		22.00-23.60 Interval weakly sheared.			5% Disseminated pyrite.	
		┤23.60-25.00├«FLT» 90% graphitic gouge; less than 50% recovery.				
		26.50-27.40 FAULT 50% recovery; very strongly sheared shales; local gouge; gouge sections must have been washed out.				
						27.70-30.70 Litho sample BCD 33746
		CA Foliation @ 30.60m @ ------------------------	19			
		┤32.70-35.10├ «FLT» Very strongly sheared; common graphitic gouge; minor quartz veins. Recovery is approximately 80%.				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		38.40-38.70 FAULT 30% Quartz veins; very rubbly, strongly sheared shales; very gougy. CA Foliation @ 38.9m @ ------------------------- 40.90-41.20 FAULT 10% Quartz veins. Very rubbly; strongly sheared shales, 50% gouge. |42.00-59.00|«FLT» Very strongly sheared, common gouge sections to 40cm. 15% quartz veins; locally milled in gouge sections. 55.00-59.00 FAULT Moderately sheared, minor gouge seams. Very local quartz veins.	16	Graphite content appears to increase down hole; this may be a function of the fault and shearing though.		
59.00 TO 601.50	GUNSTEEL FORMATION SILICIFIED SHALE AND CHERT «SIL SH»	Black fine grained, silicified shale, massive to weakly foliated. Local zones of interbedded chert and lighter grey silt. |59.00-67.50|«CHT, SH» Dark grey to black. Interbedded sequence of very fine grained black shales and dark grey laminated to bedded cherts; chert makes up 50% of the sequence. Interval between 64.90 to 67.50 very similar to that in hole A-94-15 between 447.40-449.40. 50.90-60.40 Minor quartz veining. CA Bedding @ 61.50 @ --------------------------- 61.50-61.80 Interval is moderately calcareous.	48	Shales are moderate to strongly silicified; minor graphite.	5% Pyrite. Very fine grained; very finely laminated; minor disseminated. 59.60-59.70 Disseminated to weakly blebby Barite Horizon.	Pronounced banded texture.

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		63.00-63.10 30% Quartz veining. Fault?				63.10-66.10 Lithogeochem sample. BCD #33747
		CA Bedding @ ------------------------------------	36			
		63.60-63.70 60% Ovoid to jellybean like chert fragments to 7mm.				
		63.70-67.50 Fault Strongly sheared, broken, rubbly.		Well developed graphite on foliation surfaces.		
		{67.50-81.80|«SH, CHT» Interbedded sequence of very fine to fine grained black shale, light to medium grey silt beds and minor dark grey to black chert; 20% of interval.		Moderate to strongly siliceous.	2-3% very fine grained disseminated and laminated pyrite.	Pronounced banded texture.
				69.00-69.20 Pyrite laminations are very calcareous.	15% pyrite laminations.	
		CAB Bedding @ 71.40 @ ---------------------------	39			
		76.60-76.70 Carbonate rich circular degassing? Features to 5mm.			These features contain abundant pyrite.	
		77.60 78.50 Interval contains minor circular degassing features which are carbonate rich.		Pyritic sections are locally weakly calcareous.	5-10% disseminated to laminated vfgr pyrite; abundant pyrite in degassing features.	
		78.90-79.10 Faulted in, or a fragment of calcareous siltstone, if a fragment then bedding in this interval has been transposed.				
		{81.80-85.10|«SH, CHT, BA» Silicious black fine to very fine grained shale with minor chert.		Moderate to strongly siliceous.	5% disseminated, laminated, very fine grained pyrite.	
				81.80-85.10 Pyritic sections can be weak to moderately calcareous.	3% small <2mm blebs of Ba? Generally with pyrite cores.	Litho sample BCD #33748
		CA Bedding @ 83.50 @ ----------------------------	44			
		84.40-84.60 Sandy gouge section?				
		{85.10-137.00|«SH, CHT» Siliceous, black fine to very fine grained shale, minor interbedded chert.		Moderately siliceous; minor graphite on foliation planes.	3% disseminated, laminated, very fine grained pyrite.	
		86.50-86.90				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		Interval contains calcareous pyritic interbeds to 4cm thick. These look like blebby or wormy barite; Interval also contains pyritized shale fragments to 5mm.				
		92.10-92.30 Thrust Fault @ ----------------------	60			
		Up hole side up, 40% quartz veining, minor carbonate.				
		92.30-93.10 5-10% quartz and quartz carbonate veins.				
		CA Foliaton @ 93.40 @ --------------------------	28			
		CA Bedding @ 93.90 @ --------------------------	41			
		95.50-100.60 3% (minor) Quartz and quartz carbonate veins.			Commonly contain pyrite.	
		100.60-103.40 Three faults, quartz carbonate with milled shale fragments at:			Veins contain minor pyrite and possible traces of sphalerite.	
		100.60 ---	40			
		102.40 ---	35			
		103.40 ---	26			
		Each structure is 2-5cm wide.				
		104.20-104.80 Medium to dark grey concretion.			104.20-104.80 2-3% Disseminated pyrite.	
		105.80-105.90 FAULT Heavily quartz veined, 40%; with abundant milled shale fragments.				
		FAULT @ --------------------------------------	30			
					┤107.30-137.00├ «10% LAM PY» 5-10% Disseminated, laminated pyrite.	
		108.10-108.20 FAULT Very rubbly with quartz veins.				
		┤109.90-112.00├ «SLT BX» Interval contains 10% calcareous siltstone fragments from 4mm to 4cm; smaller fragments may be carb filled degassing features.			Some fragments contain significant pyrite.	
						Litho @ 110.00
		113.10-113.20				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		10% Calcareous spots.				
						112.50-115.00 Litho sample BCD #33749
		CA Bedding @ 113.50 @ --------------------------	47			Pyrite bed.
		117.70-118.00 FAULT Very strongly sheared, minor gouge.				
		CA Bedding @ 119.90 @ --------------------------	42			Pyrite bed.
		120.40-120.60 Calcareous siltstone.			10-15% Disseminated and laminated pyrite.	
		120.90-120.95 Quartz carbonate veining parallel to bedding.				
		124.50-124.60 FAULT Very strongly sheared.				
		124.60-124.90 FAULT Several sections strongly sheared and brecciated material; minor gouge; minor quartz veined intervals to 10cm.		Sheared rock is moderately to strongly graphitic.		
		128.20-128.40 Strongly sheared, 15% quartz veins.				
		CA Foliation @ 130.70 @ ------------------------	29			
		132.70-133.00 Calcareous Siltstone.				
		CA Bedding @ 132.70 @ ---------------------------	57			
		137.00-160.80 Black fine grained, finely bedded <1mm-3mm black shale interbedded with dark grey siltstone giving the section a pinstripped look. Rare thicker calcareous siltstone beds to 2cm. Core breaks easily along foliation\bedding planes into "poker chips"\minor chert.		Weak to moderately siliceous locally, weakly graphitic.	2% Disseminated and laminated pyrite.	
		CA Bedding @ 138.10 @ -------------------------- Siltstone interbed.	37			

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		139.80-141.00 FAULT Very strongly sheared, common gouge, minor quartz veining.				
						142.00-145.00 Litho sample. BCD #33750
		146.10-146.30 FAULT Strongly sheared with common gouge.				
		┤150.60-153.30├«FLT» Locally very strongly sheared over intervals up to 20cm. Common gouge, local quartz carbonate veining				
		155.80-155.90 Moderately sheared; 40% quartz carbonate veins, minor gouge.				
		156.50-156.70 FAULT Very strongly sheared minor gouge, 20% quartz veins.		Strongly graphitic.		
		157.40-157.80 30% Quartz carbonate veining.				
		159.00-159.50 Weakly sheared, well developed graphite.				
		159.10-159.70 Dark grey chert very similar to that found between 64.90-67.50, ONLY this has abundant graphite on foliation surface/silicified shale?				
		160.20-160.80 Calcareous siltstone.			5% Disseminated Pyrite. ┤160.8-189.00├ «10% LAM PY»	
		160.80-189.00 Black fine grained black shale; minor interbeds of dark grey siltstone, <1mm to 3mm. Common chert interbeds and calcareous interbeds.		Moderate to strongly siliceous.	5-10% Disseminated to laminated pyrite.	
		CA Bedding @ 162.80 @ ---------------------------	40			
		┤166.20-169.40├«TH FLT» Drill core is not Broken or Rubbly. 166.20-166.75 Well developed thrust with CS fabric			Traces of brown sphalerite in quartz	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		up hole side has moved up on a 41 degree plane; 50% quartz carbonate veins.			carbonate veins.	
		166.75-167.70 Minor amount of veining with evident thrusting.				
		167.70-167.90 25% Quartz carbonate veins 167.90-169.20 Minor quartz veining. 169.20-169.40 20% Quartz carbonate veins.				
		{169.40-171.70} «SLT BX» This interval contains 10% calcareous silty fragments from 3mm to 5cm. Some appear to be well developed layering while host bedding wraps around, others appear to be open space fillings; these are commonly pyritic.				
		171.70-171.75 FAULT @ --------------------------- Gougy.	32			
		172.40 Six cm septarian nodule.				172.80-175.80 Litho Sample BCD #33751
		176.80-177.10 Moderately sheared.				
		177.50-189.00 Interval has a weak pinstripped look due to sulphide beds to 1mm and dark grey interbeds of silt, <1mm-2mm.				
		CA Bedding @ 177.90 @ --------------------------- -From a pyrite interbed.	44			
		179.20-179.50 Moderately sheared, 10% quartz veining.				
		180.10-180.30 Minor quartz veining and a shear with gouge.				
		188.00-188.40 «FLT» Very gougy, <20% recovery.				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		188.90-189.00 FAULT Thrust, tight; 40% quartz carbonate veins.				
		189.00-200.80 Black, very fine grained shale. Very thinly bedded, minor dark grey silt interbeds. Local calcareous silt interbeds to 3cm, very weak blebby barite.		Moderately siliceous.	{189.00-200.80} «10% LAM PY» 5-10% Disseminated and well laminated pyrite, 1% blebby barite?	
		CA Bedding @ 190.50 @ --------------------------	45			
		191.50-191.90 10% Quartz carbonate veining.			Trace sphalerite.	
		192.20-192.60 Chert, black; contains numerous hairline faults, most with movement up hole up. Internal bedding is 80-90 degrees.				
		192.70-193.60 5% quartz carbonate veins.			Veins contain minor sphalerite.	
		194.20-194.30 FAULT Moderate to strongly sheared.	48			
		200.80-252.70 Black, very fine grained, well bedded shales. Minor dark grey siltstone, minor calcareous siltstone to 4cm thick.		Moderate to strongly siliceous.	{200.80-252.70} «10% LAM PY» 5-10% Disseminated, laminated pyrite.	
		202.00-202.20 Blebby Barite - 15%				
		CA Bedding @ 202.30 @ --------------------------	63			
		{202.40-202.50} «CHT» Dark grey to black chert, antiform structure present in the cherts.			15% Disseminated pyrite.	
		Bedding @ --------------------------------------	70			
		CA Foliation @ 202.70 @ ------------------------	39			
						203.70-206.70 Litho Sample BCD #33752
		CA Bedding @ 206.30 @ --------------------------	28			

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		207.00-207.10 Blebby barite - 15%, indentical to 202.00-202.20.				
		CA Bedding @ 209.30 @ ----------------------------	20			
		210.10 - Possible hinge zone.				
		CA Bedding @ 210.40 @ ----------------------------	50			
		{213.30-213.70} «CHT» Chert Bedding @ ----------------------------------	62			
		215.80 10cm THRUST FAULT. Brecciated, very finely quartz veined, minor gouge. Sharp lower fault @ -----------------------------	32			
		218.60 10cm of 30% 1-2mm dark grey nodular barite.				
		223.6 3cm sheared, quartz healed thrust fault @ --------	65			
		224.60 Foliation or Bedding? @ -------------------------	50			
		227.90-228.20 5-20% 1-2mm dark grey barite nodules.			228.10-229.50 Patchy brick red sphalerite (<1%) within quartz veinlets.	
		232.50 Foliation @ ------------------------------	27			
		238.5 Thrust Fault. Brecciated, quartz veined, cuts off bedding within shales. Fault @ ---	90			
		241.20 Bedding within calcareous silts @ ---------	45			
		245.90-246.10 Thrust Fault. Gougy, brecciated, minor quartz vein ing, sharp lower fault contact @ -----------------	78			
		248.20 Layering as seen on dry core surface (bedding?) @ -----------------------------------	35			

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		252.30-252.70 Possible thrust fault, 25% quartz veining, no significant gouge or milling.				
					252.70-254.40 «10% DISS PY» 7-10% Disseminated <1-2mm brassy pyrite within siliceous nodules.	
		252.70-295.80 Massive to weakly foliated shale lacking or rare silty light grey laminations as seen above fault.		252.70-286.60 Strong pervasive silicification.	254.40-273.70 3-5% very fine grained disseminated pyrite.	
		256.20 Foliation @ ------------------------------	35			
					273.70-282.00 <1% disseminated pyrite, rare pyrite laminations.	
		280.40 Bedding @ ------------------------------	35			
					282.00-286.60 3-5% very finely disseminated pyrite.	
		283.50-284.90 Chert. Massive, medium to dark grey; common wormy quartz veining.			Trace chalcopyrite within quartz veins in chert.	
					Below 286.60 Minor disseminated pyrite and pyritic laminations.	
		291.10 Bedding equals foliations @ --------------	30			
		295.80-310.6 Bedding as defined by weakly pyritic laminations @	35		295.80-310.60 2-3% finely disseminated pyrite throughout patchy faint pyrite laminations.	
		302.4 Bedding defined by laminar pyrite @ -------------	65			
		310.60-319.20 Very faintly bedded. Bedding defined by faint pyrite laminations and laminations containing <1mm very fine white specks (barite?). Bedding very irregular from 35-45 degrees.			310.60-319.20 «8% DISS PY» 7-8% pyrite as ultra fine dissemin-ations and common faint laminations.	
		319.20-329.90 Massive to weakly foliated silicified shale.			319.20-329.90 «5% DISS PY» 4-5% very finely disseminated pyrite.	
		329.90 Thrust Fault. 10cm strongly sheared and milled healed by quartz. Faulting @ -------------------------------------	65			

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		┤330.00-336.40├ «CHT» Chert. Dark grey, massive, no bedding, minor fine quartz veinlets.			333.40-336.40 2-3% Brick red sphalerite within quartz veinlets.	
		336.40-374.30 Massive to weakly foliated silicified shale. Rare bedding defined by pyrite laminations.			┤336.40-356.00├ «5% DISS PY» 4-5% very finely disseminated pyrite. Rare pyrite laminations.	
		┤346.20-347.10├ «CHT» Graphitic chert.				
		352.60 Bedding defined by pyrite laminations @ ----------	50			
		355.3 Bedding @ --------------------------------	45			
					356.00-374.30 1-2% Disseminated pyrite.	
		┤374.30-376.90├«TH FLT» Thrust Fault. Zone of several 15-30cm wide intervals of milling and shearing healed by quartz, minor fault gouge. Strongest shearing and milling from 374.7-375.00. Faulting @ --------------------------------------	50 60			
		376.90-410.80 Moderately silicified shale with common fine pyrite laminations. Laminations near upper contact with fault transposed and distorted.		Minor quartz-calcite veinlets. Moderately silicified, silicification stronger within zones of laminar pyrite.	┤376.90-401.1├ «7% LAM PY» 5-7% Pyrite as patchy fine laminations and weakly disseminated. Traces of sphalerite within quartz-calcite veinlets.	
		388.30 Bedding or Foliation ? -------------------	45			
		391.50 Bedding @ -------------------------------	47			
		393.40-393.70 Thrust Fault. Brecciated, sheared and milled, healed by silica. Faulting @ -------------------------------------	45			
		397.00 Bedding @--------------------------------	43			
					401.10-410.80 Rare Pyrite laminations.	
		410.80-422.10 Silicified foliated shale with 7-10% 1-3mm round to irregular oval nodules. Nodules siliceous, some calcareous, baritic?, with brassy pyrite			410.80-422.10 4-5% Pyrite, brassy grains within nodules.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		grains within.				
		Foliation @	40 50			
		420.70 6cm Thrust fault. Brecciated, milled, quartz healed. Faulting @	45			
		421.30-421.70 Thrust Fault @	45			
		422.10-433.30 Massive silicified shale.				
		423.10 Foliation @	43		427.30-433.30 2-4% Finely disseminated pyrite.	
		433.30-472.40 Strongly silicified shale with common 10-70cm wide zones of finely laminar pyrite.			433.30-451.80 «10-15% LAM PY» 10-15% finely laminar pyrite. 2-3% disseminated pyrite within shales. 433.30-439.20 <1% red sphalerite within quartz-calcite veinlets.	
		434.00 Bedding @	50			
		439.50 Bedding @	47			
		442.00 Bedding @	40			
		444.90-448.10 Folding of pyrite laminations.				
		455.00 Bedding @	42		451.80-472.40 «15-20% LAM PY» 15-20% Laminar bedded pyrite.	
		466.80 Bedding @	45			
		472.40-539.80 Silicified Foliated shale, locally thinly bedded which is better seen on dry core. Patchy 2-4% siliceous calcareous baritic nodules with pyritic core.		Patchy quartz veinlets, strongly silicified.	472.40-539.80 Patchy 2-4% pyrite as nodule cores, finely disseminated within shales and as round calcareous pyrite concretions.	
		475.00 8cm Quartz healed fault @	60			
		497.40 Bedding @	45			
		497.90 5cm Quartz healed fault @	60			
		498.50 Bedding @	45			
		Foliation @	35			
		502.40 Bedding @	55			
		505.60 Foliation @	35			
		508.60 15cm Of 70% 1-2mm dark grey calcareous baritic? nodules with pyrite cores and rims.				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		530.80 Bedding @ --------------------------------	40			
		539.80-557.80 Black strongly silicified shale with common 10-20cm wide zones of finely laminar pyrite. Intergrown with pyrite laminations are common <1-1mm calcareous pyritic, baritic? nodules as separate laminations.			539.80-557.80 «10-12% LAM PY» 10-12% laminar bedded very fine pyrite. 2-3% brassy 1mm pyrite intergrown within baritic nodules within pyritic laminations. 2-4% finely disseminated pyrite within shales.	
		540.10-541.0 Bedding from 55 - 70 degrees.				
		552.00 Bedding @ --------------------------------	55			
		557.00 Bedding @ --------------------------------	65			
		557.80-597.20 Massive, weakly foliated, strongly silicified black shale.			557.80-575.60 3-5% finely disseminated pyrite.	
		579.50 Bedding @ --------------------------------	58		575.60-579.70 20% Finely laminar fine grained pyrite.	
					579.70-597.20 «7% DISS PY» 5-7% very finely disseminated pyrite.	
		586.40 25cm Thrust fault. Brecciated and silica healed. Faulting @ --------------------------------------	65			
		597.20-601.50 «TH FLT» Thrust fault. Brecciated and healed by abundant quartz veining. Locally strongly milled and silica healed.				
		599.50 30cm Strongly sheared and milled @ --------------	30			
601.50 TO 663.00	CARDIAC CREEK ZONE. INTERBEDDED SHALE AND LAMINAR MASSIVE SULPHIDES. «SH LAM MS»	Black, massive, moderate to strongly silicified shale interbedded with 10-20cm zones of thin laminar bedded very fine grained massive sulphides <1% dark grey round calcareous septarian nodules. Mainly within massive sulphide beds.		Moderate to strongly silicified. Sulphide zones; stronger silicification	Sulphide beds are finely laminar with minor shale laminations.Interbedded shale zones 2-3% finely disseminated pyrite, 2-3% coarser brassy dissem-inated pyrite with massive sulphide beds. 601.50-602.80 - 15% Pyrite.	
		603.30 Bedding @ --------------------------------	55		602.80-604.10 - 23% Pyrite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
					604.10-605.40 - 38% Pyrite.	
				606.60-607.10 Strong 3-5mm wide quartz veining, possible chert interval.	605.40-607.20 3% Laminar pyrite. 2-3% disseminated pyrite.	
					607.20-609.00 - 2-3% disseminated pyrite.	
		609.20 - 15cm silicified sheared thrust zone @ ---	45		609.00-610.20 - 22% Pyrite.	
					610.20-613.00 1-3% Disseminated pyrite.	
		613.40 Bedding @ ----------------------------------	60		613.00-614.60 - 66% Pyrite.	613.5 Goniatite (ammonoid) Alpinites
					614.60-615.90 - 11% Pyrite.	cf. kayseri, lower-mid Famennian age.
					615.90-617.10 - 61% Sulphides.	<1% Zinc.
		617.90 Bedding @ ----------------------------------	70		617.10-618.60 - 32% Sulphides.	<1% Zn.
					618.60-621.20 - 2-3% Diss. Pyrite.	
		621.40 Bedding @ ----------------------------------	67		621.20-623.00 - 44% Sulphides.	1-2% Zn.
		621.7 - 10cm possible siliceous fault zone.				
		622.00 Bedding @ ----------------------------------	58			
					623.00-623.80 - 2-3% Diss. Pyrite.	
		623.90 Bedding @ ----------------------------------	70		623.80-624.40 - 50% Sulphides.	2-3% Zn.
		624.20 1cm shear @ --------------------------------	75			
					624.40-625.30 - 16% Sulphides.	1-2% Zn.
					625.30-625.50 - 85% Sulphides.	8% Zn.
		625.80 Bedding @ ----------------------------------	72		625.50-626.70 - 40% Sulphides.	4% Zn.
		627.40 Bedding @ ----------------------------------	67		626.70-627.80 - 76% Sulphides.	8% Zn.
					627.80-628.70 - 12% Sulphides.	3% Zn.
		628.80 Bedding @ ----------------------------------	68		628.70-629.70 - 55% Sulphides.	7-8% Zn.
				629.70-630.10 Strongly quartz veined, possible chert zone: not a fault.	629.70-630.70 - 2-3% Diss. Pyrite.	
		630.90 Bedding @ ----------------------------------	72		630.70-631.30 - 82% Sulphides.	3% Zn.
					631.30-632.40 - 38% Sulphides.	2-3% Zn.
					632.40-633.10 - 74% Sulphides.	10-11% Zn.
		633.30 Bedding @ ----------------------------------	61		633.10-634.20 - 51% Sulphides.	5-6% Zn.
		634.40 Bedding @ ----------------------------------	68		634.20-635.50 - 61% Sulphides.	8-9% Zn.
		635.00 - 2cm siliceous fault @ ------------------	66			
		633.60 Bedding @ ----------------------------------	70		635.50-636.70 - 24% Sulphides.	2% Zn.
		636.70-637.00 Thrust Fault. Strongly milled, silica healed. Faulting @ --	50		636.70-638.60 - 31% Sulphides.	4% Zn.

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		638.60-648.40 «SIL SH» Black massive, silicified shale. 648.70 Bedding @ ---- 651.00 Bedding @ ---- 653.30 Bedding @ ---- 655.20 Bedding @ ---- 657.90 Bedding @ ---- 659.90 - First occurrence of barite beds. 660.70-662.20 Massive to thinly bedded calcareous barite with minor interbeds of shale and laminar pyrite. Bedding @ ---- 662.20-663.00 Thinly bedded, black, strongly silicified shale. Bedding defined by abundant <1-1mm pyrite laminations. Bedding @ ----	 72 66 67 70 64 57 60 70	Strongly silicified.	638.60-648.40 - 1-2% Diss. Pyrite. 648.40-649.90 - 57% Sulphides. 649.90-651.40 - 45% Sulphides. 651.40-652.70 - 23% Pyrite. 652.70-654.00 - 88% Sulphides. 654.00-655.10 - 40% Sulphides. 655.10-656.20 - 45% Sulphides. 656.20-657.50 - 67% Sulphides. 657.50-658.60 - 73% Sulphides. 658.60-659.90 - 80% Sulphides. 659.90-660.70 - 30% Sulphides, 10% Barite. 660.70-662.20 - 8% Pyrite, 75% Barite. 662.20-663.00 25-30% Finely laminar pyrite as individual <1mm laminations interbedded with shale.	 <1% Zn. <1-1% Zn. 2-3% Zn. 1% Zn. 2% Zn. 2-3% Zn. 2-3% Zn. 6-7% Zn. - <1% Galena. <1% Zn.
663.00 TO 673.60	SILTSTONE SHALE LIMESTONE BRECCIA «SLT SH LTS BX»	Fragment supported breccia, 70-80% fragments of 40-50% speckled noncalcareous siltstone, 20-30% shale and <5% limestone fragments in a black shale matrix. Common calcite needle aggregates forming large patches within matrix. Occasional pyritic shale fragments. Average fragment size 1-2cm wide flattened by 4-5cm long. Fragment size becoming slightly larger towards base of unit. Knife sharp lower contact @ ----	72	Strongly silicified.	663.0-663.50 15-20% Interfragmental pyrite. 663.50-673.60 5-8% Interfragmental pyrite.	
673.60 TO 741.30	ROAD RIVER GROUP CALCAREOUS SILTSTONE «R.R. CALC SLTST»	Dark grey, fine grained, finely layered/foliated to massive. Weak to moderately calcareous layering defined by thin lighter grey strongly calcareous layers. Patchy irregular light grey strongly calcareous areas. 683.00 Layering/bdg @ ----	48			

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		-688.30-691.20-«THRUST FAULT» Thrust fault. Strongly brecciated and healed by quartz veining. Sharp upper fault contact with a 1cm zone of milling healed by quartz. Upper fault contact @ ---------------------------	45		689.70 - Trace red sphalerite within quartz veins.	
		<1cm Black fault gouge at lower fault contact @ --	38			
		Below thrust fault much more massive, very fine black anastomosing network, patchy layering defined by light grey calcareous layering, patchy 4-5cm zones of 1-2mm rounded to elongate oval silt? nodules within a darker grey matrix. Common irregular <1cm calcareous patches (distorted layering?)				
		717.50 - Layering/bedding @ ---------------------	63			
		741.30 END OF HOLE.				

Sample	From (m)	To (m)	Length (m)	ASSAYS Zn %	Pb %	Ag g/t	Ba %	Cd %	S %	GEOCHEMICAL Zn ppm	Pb ppm	Ag ppm	Ba ppm	Cd ppm	Cu ppm	Se ppm	Hg ppb	S.G.	COMMENTS
40496	451.90	453.10	1.20	.09	.01	1.6	2.45							.1	44				
40497	453.10	454.30	1.20	.12	.01	1.9	1.43							.1	33				
40498	454.30	455.50	1.20	.08	.01	1.7	1.69							.1	36				
40499	455.50	457.40	1.90	.11	.01	1.1	1.55							.1	38				
40500	457.40	458.80	1.40	.01	.01	1.3	1.32							.1	39				
40551	458.80	460.40	1.60	.01	.01	1.1	1.71							.1	31				
40552	460.40	461.50	1.10	.03	.01	1.1	1.19							.1	39				
40553	539.80	540.80	1.00	.09	.01	1.8	2.28							.1	65				
40554	540.80	542.30	1.50	.36	.01	1.6	2.50							.1	35				
40555	542.30	543.80	1.50	.17	.01	1.7	2.83							.1	34				
40556	543.80	544.90	1.10	.15	.01	1.4	2.53							.1	42				
40557	544.90	546.50	1.60	.29	.01	1.8	2.07							.1	48				
40558	546.50	547.70	1.20	.07	.01	1.4	2.55							.1	24				
40559	547.70	548.90	1.20	.02	.01	.9	1.18							.1	30				
40560	548.90	550.20	1.30	.01	.01	1.4	1.41							.1	36				
40561	550.20	551.80	1.60	.10	.01	1.6	2.53							.1	37				
40562	551.80	552.60	0.80	.02	.01	1.5	2.85							.1	49				
40563	578.20	579.70	1.50	.01	.01	3.1	1.73							.1	95				
40446	600.00	601.50	1.50	.09	.01	2.1	1.52							1.0	31				
40447	601.50	602.80	1.30	.08	.01	3.8	1.04							.1	52				
40448	602.80	604.10	1.30	.09	.01	4.3	1.06							.1	41				
40449	604.10	605.40	1.30	.02	.02	5.9	1.77							.1	58				
40450	605.40	607.20	1.80	.06	.01	2.2	.82							.1	26				
40451	607.20	609.00	1.80	.52	.01	3.9	.96							35.5	52				
40452	609.00	610.20	1.20	.05	.02	6.0	1.22							.1	61				
40453	610.20	611.60	1.40	.16	.01	1.3	1.02							4.9	31				
40454	611.60	613.00	1.40	.27	.01	1.7	1.34							10.9	32				
40455	613.00	614.60	1.60	.53	.07	6.9	2.82							.1	48				
40456	614.60	615.90	1.30	.38	.03	2.5	2.01							10.4	22				
40457	615.90	617.10	1.20	.85	.15	5.8	2.50							9.8	46				
40458	617.10	618.60	1.50	.98	.11	5.3	2.31							40.0	67				
40459	618.60	619.90	1.30	.19	.01	1.2	1.19							5.5	27				
40460	619.90	621.20	1.30	.21	.01	1.0	1.30							8.3	25				
40461	621.20	623.00	1.80	1.38	.17	5.0	3.64											2.86	
40462	623.00	623.80	0.80	.30	.04	1.4	3.96											2.62	
40463	623.80	624.40	0.60	2.10	.20	6.9	2.30											2.95	
40464	624.40	625.30	0.90	.67	.16	3.3	3.81											2.74	

Sample	From (m)	To (m)	Length (m)	ASSAYS Zn %	Pb %	Ag g/t	Ba %	Cd %	S %	GEOCHEMICAL Zn ppm	Pb ppm	Ag ppm	Ba ppm	Cd ppm	Cu ppm	Se ppm	Hg ppb	S.G.	COMMENTS
40465	625.30	625.50	0.20	9.28	.89	9.8	5.75											3.29	
40466	625.50	626.70	1.20	1.50	.35	4.7	6.56											2.95	
40467	626.70	627.80	1.10	3.46	.43	7.8	5.71											3.17	
40468	627.80	628.70	0.90	3.05	.55	3.9	5.40											2.77	
40469	628.70	629.70	1.00	5.74	.77	10.1	5.13											3.13	
40470	629.70	630.70	1.00	.73	.24	2.5	3.21											2.61	
40471	630.70	631.30	0.60	2.89	.56	10.8	2.65											3.11	
40472	631.30	632.40	1.10	2.60	.60	7.6	4.23											3.02	
40473	632.40	633.10	0.70	7.64	1.25	14.3	3.37											3.32	
40474	633.10	634.20	1.10	3.35	.72	9.0	4.02											3.00	
40475	634.20	635.50	1.30	6.31	1.12	13.0	3.84											3.21	
40476	635.50	636.70	1.20	2.08	.49	6.3	1.23											2.94	
40477	636.70	638.60	1.90	.89	.21	6.4	1.19											2.83	
40478	638.60	640.10	1.50	.57	.07	1.4	.65											2.58	
40479	640.10	642.30	2.20	.32	.03	1.3	.69											2.61	
40480	642.30	644.60	2.30	.36	.03	1.4	.72											2.57	
40481	644.60	646.80	2.20	.40	.03	1.0	.68											2.55	
40482	646.80	648.40	1.60	.39	.03	1.0	.88											2.63	
40483	648.40	649.90	1.50	1.63	.19	4.3	1.71											2.87	
40484	649.90	651.40	1.50	1.46	.25	3.5	1.47											2.82	
40485	651.40	652.70	1.30	.94	.25	2.1	2.05											2.69	
40486	652.70	654.00	1.30	5.94	1.44	7.0	2.16											3.15	
40487	654.00	655.10	1.10	1.82	.51	3.6	3.56											2.82	
40488	655.10	656.20	1.10	5.06	.81	6.1	4.12											2.97	
40489	656.20	657.50	1.30	3.58	.59	13.0	3.92											3.18	
40490	657.50	658.60	1.10	3.42	2.08	16.7	8.07							100.0	47				
40491	658.60	659.90	1.30	7.18	1.23	22.6	9.24							100.0	61				
40492	659.90	660.70	0.80	.29	.11	9.4	18.50							22.4	82				
40493	660.70	662.20	1.50	.02	.03	3.4	45.60							.1	38				
40494	662.20	663.50	1.30	.01	.03	6.7	10.40							.1	86				
40495	663.50	665.00	1.50	.01	.01	2.0	5.97							.1	39				
AVE.	625.30	659.90	34.60	2.47	0.49	6.20	2.95							6.94	3.79				
ALT.AVG.	625.30	635.50	10.20	3.78	0.66	8.23	4.56												
ALT.AVG.	652.00	659.90	7.90	4.27	1.03	10.87	4.90							30.38	16.58				

Total amount of samples= 68
Total length sampled = 88.9M

HOLE NUMBER: A-95-18

MINNOVA INC.
DRILL HOLE RECORD

DATE: 19-February-1996
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: GATAGA
PROJECT NUMBER: 677
CLAIM NUMBER: AKIE 7
LOCATION: NTS 94F/7

PLOTTING COORDS GRID: AKIE
NORTH: 3385.00S
EAST: 407.00W
ELEV: 1585.00

ALTERNATE COORDS GRID:
NORTH: 0+ 0
EAST: 0+ 0
ELEV: 0.00

COLLAR DIP: -87° 0' 0"
LENGTH OF THE HOLE: 1030.50m
START DEPTH: 0.00m
FINAL DEPTH: 1030.50m

COLLAR GRID AZIMUTH : 95° 0' 0"
COLLAR ASTRO. AZIMUTH : 55° 0' 0"

DATE STARTED: August 22, 1995
DATE COMPLETED: September 24, 1995
DATE LOGGED: 0, 0

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: YES

PULSE EM SURVEY: NO
CAPPED: NO
HOLE SIZE: NQ,BQ

CONTRACTOR: J.T.THOMAS
CASING: 12.8 m
CORE STORAGE: ON SITE

PURPOSE: Test Cardiac Creek Zone downdip of A-94-12.

COMMENTS :

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
548.60	-	-55° 0'	ACID	OK		-	-	-	-	-	
609.60	-	-49° 0'	ACID	OK		-	-	-	-	-	
61.00	47° 0'	-83°30'	SING.SHOT	OK		-	-	-	-	-	
122.00	33° 0'	-82°30'	SING.SHOT	OK		-	-	-	-	-	
182.90	31° 0'	-81°30'	SING.SHOT	OK		-	-	-	-	-	
243.80	26° 0'	-80°30'	SING.SHOT	OK		-	-	-	-	-	
304.80	20° 0'	-75°30'	SING.SHOT	OK		-	-	-	-	-	
426.70	15° 0'	-61° 0'	SING.SHOT	OK		-	-	-	-	-	
487.70	17° 0'	-53°30'	SING.SHOT	OK		-	-	-	-	-	
670.60	23° 0'	-46°30'	SING.SHOT	OK		-	-	-	-	-	
731.50	25° 0'	-44° 0'	SING.SHOT	OK		-	-	-	-	-	
792.50	27° 0'	-40° 0'	SING.SHOT	OK		-	-	-	-	-	
847.30	322° 0'	-53° 0'	SING.SHOT			-	-	-	-	-	
908.30	55° 0'	-51° 0'	SING.SHOT			-	-	-	-	-	
969.30	89° 0'	-43° 0'	SING.SHOT			-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 4.00	CASING					
4.00 TO 44.90	ROAD RIVER GROUP INTERBEDDED LIMESTONE AND SHALE «R.R. LST SH»	Striped light to dark grey, thinly bedded, light grey mud to fine sand limestone and darker grey calcareous shales. Well layered/foliated, bedding probably transposed. 12.80 Bedding/foliation @ ----------------------- 14.80 - Graded bedding indicating tops downhole. 26.00 Bedding/foliation @ ----------------------- 38.30 Bedding @ ---------------------------------	10 35 20			29.00-34.00 - Rubbly core recovery, numerous clay and sand filled areas.
44.90 TO 96.50	ROAD RIVER GROUP CALCAREOUS SILTSTONE «R.R. CALC SLTST»	Dark grey, fine silt, well layered/foliated, weakly calcareous. Occasional <1cm light grey lime mud and siltstone beds at top of unit. Some thin beds pulled apart. 48.40 Layering/foliation @ -------------------- 72.50 Layering/foliation @ -------------------- 78.60-89.30 Fault zone. Extremely rubbly core. 80.30; 30cm of brecciation and fault gouge. Fault gouge @ ---- Gradational lower contact over 1-2 meters.	20 21 25		Trace of pyrite.	A much different unit than the calcareous siltstone shut down rock.
96.50 TO 208.30	ROAD RIVER GROUP SILTSTONE «R.R. SLTST»	Light grey, patchy dark grey, silt to locally fine sand. Strong streaky - foliated appearance due to wispy to anastomosing dark grey mm partings and laminations. Locally weakly calcareous. 100.50 Bedding/foliation ? @ -------------------- 126.00 Foliation @ ----------------------------- 156.40-158.80 Broken rubbly core recovery, minor fault gouge. 168.10-170.00	22 20		Trace brassy pyrite concretions.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		Fault zone or severely ground up core. Recovery mainly sand shale-siltstone chips. 182.00 Foliation @ ------------------------------ 198.00 Foliation @ ------------------------------	 20 20			
208.30 TO 235.40	ROAD RIVER GROUP SILTSTONE «R.R. SLTST »	Dark grey, finer grained than previous siltstone, common 0.5cm wide light grey calcareous silt interbeds pulled apart parallel to foliation. Weakly graphitic along foliation planes. 232.50-235.40 Lower contact very rubbly, gougy in last 10cm.			Trace of pyrite.	
235.40 TO 246.00	ROAD RIVER GROUP LIMESTONE «R.R. LST»	Light grey, fine grained, thinly bedded and laminated to locally massive. Thin shale laminations at top grading into previous unit. 238.20 Layering @ ------------------------------	22	Common calcite veining.		
246.00 TO 521.10	ROAD RIVER GROUP SILTSTONE «R.R. SLTST »	Light grey, coarse silt, strong layer/foliated appearance due to very thin micaceous partings. Layering/foliation very shallow to core axis. Occasional calcareous layers and darker grey shaley beds. 252.40 Foliation @ ------------------------------ 269.50-295.70 Interbedded siltstone and dark grey to black shale. Interbeds of shale 1-3m thick with common <1cm stretched out and broken light grey silt beds. Approximately 70% shale, 30% siltstone. 279.10 Foliation @ ------------------------------ 295.70-318.30 Interbedded siltstone and shale, 70% siltstone, 30% shale. 318.30-326.10 80% Black shale, 20% light grey siltstone. Common light grey <1-1cm silty and locally calcareous beds within shales.	13 17			

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		334.70 Foliation @ ------------------------------	20			
		343.80 10cm of moderately brecciated and gougy siltstone.				
		365.20 Foliation @ ------------------------------	20			
		384.20 FAULT 10cm Soft, gougy, flakey core, sharp lower contact @ --	32			
		421.50 Foliation @ ------------------------------	35			
		422.00-422.30 FAULT Dark grey, milled, gougy, graphitic, sheared fault zone. Sharp lower fault @ ------------------	60			
		422.30-423.10 Foliations distorted adjacent to fault.				
		425.60 Foliation @ ------------------------------	31			
		426.10-429.90 Rubbly, broken core recovery, weak gouge development. 429.90 : 1-2cm gougy shear @ ---------------	70			
		435.30 Foliation @ ------------------------------	35			
		461.40-465.40 Patchy, rubbly core recovery, common <10 degree cross cutting fractures.				
		467.50-468.90 Rubbly core recovery, patchy, weak gouge development.				
		477.90 Foliation @ ------------------------------	32			
		490.90-495.30 «FLT» Dark grey rubbly shale, strongly brecciated and graphitic from 490.90-493.90, weak to moderate calcite/quartz veining.			Rare traces of sphalerite, pyrite, chalcopyrite within calcite/quartz veins.	
		495.30-512.40 Foliated siltstone, brecciated and rotated -		495.30-512.40 Abundant quartz calcite veining.		

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		healed by abundant calcite/quartz veins. 512.40-518.30 Thin beds of calcareous siltstone interbedded with darker shale beds. Beds have common anastimosing texture to more massive highly calcareous siltstone beds(up to 30cm.) 515.00 Foliation/Bedding @ ---------------------- {518.30-520.60}«FAULT» Heavily sheared, brecciated and milled. Calcareous siltstone with local gougy graphitic zones. Brecciation has been healed by quartz/calcite, and shearing is graphitic @ --------------------- 520.60-521.10 Bedded calcareous siltstone with interbedded graphitic shale. Broken and rubbly core with moderate quartz/cc. Veining and shear planes due to proximity to fault structure.	45 45	518.30-520.60 Abundant quartz/calcite veining has rehealed brecciation and milling in fault zone.		
521.10 TO 556.40	GUNSTEEL FORMATION «GS SLT SH»	{556.4} «TH FLT CONTACT» Black silty shale with minor pyrite beds and silty beds drawn into fault structure. Multiple foliations (from 15 degrees to 70 degrees). Graphitic gougy zone (524.20-524.50) @ -------------------- Calcareous concretions at 525.30-525.60 and 526.00-526.30. Core is broken to rubbly due to multiple foliations. 526.70 - Bedding/Foliation @ -------------------- 526.80 - Bedding/Foliation @ -------------------- 531.60 Foliation @ ---------------------------- 531.60 Bedding @ ------------------------------ 533.40 Bedding @ ------------------------------ Foliation @ ---------------------------- Foliation @ ---------------------------- 543.00 Bedding @ ------------------------------ Foliation @ ---------------------------- {554.50-556.40}«FLT @ 50 deg» @ ----------------- Sheared and quartz/cc. veined, graphitic and broken to rubbly, poor recovery.	45 30 60 60 30 18 16 45 50 70 50			

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
556.40 TO 578.40	GUNSTEEL FORMATION «GS SH»	Sheared and quartz/calcite veined, graphitic and broken to rubbly, poor recovery. Heavily sheared, black to grey/black, silty, graphitic shale with abundant calcareous silty fragments. All bedding has been drawn into foliation due to fault structure. Occasional calcite veins that contain recrystalized graphite within them. Local graphitic gougy zones. Foliation/shearing is at approximately 80 degrees through unit. Core is very soft and commonly broken to rubbly. {578.00-578.40}«FLT @ 55 deg» @ ------------------ Shearing and brecciation of moderately silicified shale, very minor graphite in fault. 100% recovery due to rehealing by quartz(minor calcite).	 55			
578.40 TO 926.20	GUNSTEEL FORMATION SILICIFIED SHALE «SIL SH»	Black shale is moderately silicified and contains zones of disseminated pyrite, both within black shale and silty beds. Contains zones of laminar bedded pyrite. Common calcareous concretions (up to 30cm wide). 595.00 Bedding @ -------------------------------- 595.40-596.40 Moderately to strongly silicified shale is brittley fractured with about 5cm of movement measured off of a displaced quartz vein (596.60). 596.90 Bedding/Foliation @ ---------------------- 611.70 Bedding/Foliation @ ---------------------- 623.70 Bedding/Foliation @ ---------------------- 645.50 Bedding/Foliation @ ---------------------- 652.70 Bedding/Foliation @ ---------------------- {665.40-667.20} «CHT» Chert: Blue-grey, massive, broken and rubbly, intense quartz veining due to brittle nature of chert. 690.40-728.30	 65 45 60 65 70 65		578.40-606.00 - <1% Diss. pyrite. 606.00-611.00 - 3-5% disseminated pyrite with local zones conc. dissem. pyrite, possibly representing bedding. {611.00-623.20}«5-7% LAM PY» {623.20-642.00}«8-10% LAM PY» {642.00-658.20}«10-15% LAM PY 652.80-665.40 - 3-5% Disseminated pyrite. {667.20-681.10}«5-7% LAM PY» 5-7% laminar pyrite {684.80-690.40}«7-8% LAM PY» 7-8% pyrite as fine laminations throughout 590.40-728.30	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		Black, massive silicified shale with patchy fine bedding defined by faint pyritic laminations.			5% Pyrite as patchy fine laminar pyrite and ultrafine disseminated pyrite.	
		699.70 - Pyrite lamination much shallower to core axis and often distorted.				
		701.80 Bedding @ --------------------------------	25			
		716.80 Bedding @ --------------------------------	12			
		727.70 Fault Zone. Strongly brecciated, minor quartz/calcite veining, strong shearing at base.		728.30-738.70 Moderately silicified.	{728.30-738.70}«10% LAM PY» 10% Fine grained laminar bedded pyrite throughout.	
		728.70 Bedding @ --------------------------------	60			
		{729.80-730.50} «CHT» Massive to poorly bedded graphitic chert. Possible faulted upper contact.				
		732.30 Bedding @ --------------------------------	82			
		736.10-736.40 5% Dark grey, 2-3mm calcareous baritic nodules.			738.70-755.60 1-2% Disseminated pyrite, rare laminar pyrite.	
		742.90-743.50 Fault zone. 10cm of milling healed by silica and calcite at top and base. Sharp lower contact @ --------------------------	70			
		744.10-744.90 Rubbly, poor core recovery of soft graphitic locally gougy core.				
		747.90-749.10 Fault Zone. Weakly sheared, silicified shale and common 6-10cm zones of silica-calcite healed, milled areas. Faulting possibly @ ---------------	55			
		{752.80-755.60} «LST BX» Occasional 2-6cm limestone beds, often brecciated or contorted. Lst non fossiliferous, possibly a mud. Last 20cm Lst occurs as layers of 4-5mm rounded fragments.				
		755.60 40cm Strong shearing with very fine calcareous			755.60-769.90 1-2% Diss. pyrite, patchy 5-7% pyrite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		veinlets. 765.00 Foliation @ ------------------------------	65			
		┤769.90-771.00├ «CHT» Graphitic chert. 771.00-774.30 Silicified shale, Fault. Strongly sheared appearance with discontinuous calcite veinlets throughout. Strongest shearing and veining from 772.80-773.20.			774.3-779.1 -5% pyrite, ultra fine disseminations and patchy laminations	769.90-771.00 -different chert than the dark grey massive cherts
		┤779.10-779.70├ «CHT» Dark massive grey chert. 781.70-782.40 Mix of dark grey massive and graphitic chert.			782.40-790.70 3-4% Pyrite as patchy fine laminations. Trace red sphalerite as clots within quartz calcite veins.	
		┤790.10-823.00├«FAULT ZONE» Fault Zone. Mix of silicified and cherty shales with soft graphitic shales. Abundant 10-50cm zones of soft graphitic gouge. 811.40-812.20: Milling healed by silica. 820.10-823.00: Black graphitic fault gouge. ┤823.00-836.40├«TRICONED»			1-2% Disseminated pyrite, rare pyrite laminations.	836.40 Reduced to BQ>
		836.40-840.00 Extremely poor, rubbly core recovery.				
		844.10-844.40 Possible fault zone, 85% quartz/calcite veining, sheared appearance at top.				
		844.40-864.30 Variably silicified shale.		844.40-860.70 Weakly silicified, silicification greater in areas of laminar pyrite.	844.40-860.70 3% Laminar pyrite. Patchy ultrafine grained laminar pyrite.	
		848.90 - 10cm Fault gouge @ ----------------------	40			
		851.70 Foliation @ ------------------------------	50			
		855.70 - Begin to see <1cm dark grey round calcareous balls.				
		862.80 Bedding @ --------------------------------	40	860.70-864.30	┤860.70-864.30├«15-17% LAM PY»	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
				Strongly silicified.	15-17% Fine grained laminar pyrite throughout.	
				864.30 Patchy, weak silicification.	864.30-872.80 Occaisional 5-7cm wide zones of fine laminar pyrite. 1-2% Disseminated pyrite within shales.	
		880.90-889.10 3-5% 1-5mm Irregular shaped light grey hard calcareous, baritic? pyritic nodules.			880.90-889.10 2-3% Pyrite disseminated throughout and within calcareous clots.	
		{885.70-887.70} «CHT» Graphitic chert. Dark grey to black chert with abundant very thin graphite partings.				
		889.10-926.2 Silicified shale, weak to moderately foliated, variably silicified shale.		Moderately silicified, patchy weaker and stronger silicification.	889.10-926.20 2-3% Finely disseminated pyrite.	
		894.80 Foliation @ ------------------------------	60	Silicification decreases below 905.7.		
		911.10 Fault. 10cm Milled and quartz healed. Faulting at approximately -------------------------------	80			
		911.6 Foliation @-------------------------------	63			
		20cm of light grey calcareous silty laminations at lower contact.				
926.20 TO 939.90	LAMINATED MASSIVE SULPHIDES AND SHALE «LAM MS, SH »	Thinly laminated massive sulphides with thin shale laminations interbedded with thicker beds of massive barren shale. Rare calcareous septarian nodules. Sulphide beds generally contain 5-7% <1mm calcareous, siliceous nodules with brassy pyrite or honey sphalerite cores. Locally siliceous, calcareous nodules coalesce into fine layers. Possible grading indicates tops downhole.		Laminar bedded sulphides strongly silicified, barren shale weakly silicified.	926.20-927.30 - 69% Sulphides.	<1% Zinc.
		926.80 Bedding @ --------------------------------	77			
					927.30-928.40 - 65% Sulphides.	<1% Zinc.
					928.40-929.20 - 82% Sulphides.	4% Zinc.
					929.20-930.00 - 84% Sulphides. Honey sphalerite within quartz carbonate flecks and narrow gashes.	7% Zinc.

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
					930.00-931.10 - 3-4% Diss. pyrite Contains one 1cm band of solid sphalerite.	<1% Zinc.
					931.10-932.20 - 73% Sulphides. Quartz/cc. flecks and layers filled mainly by honey sphalerite.	10% Zinc.
		932.40 Bedding @ --------------------------------	78		932.20-932.90 - 56% Sulphides. Sulphide beds present are very sphalerite rich.	7% Zn
		932.90-933.80 Massive barren shale, weak foliation @ -----------	60	Below 932.90 barren shales becoming moderate to strongly silicified.	932.90-933.80 - 3-5% Diss. pyrite.	<1% Zinc.
					933.80-934.40 - 82% Sulphides. Rare honey sphalerite within quartz-carbonate flecks.	2% Zinc.
					934.40-934.90 - 10% Laminar sulphides. 3-5% Diss. pyrite.	<1% Zinc.
					934.90-936.10 - 92% Sulphides, Mostly pyrite.	1% Zinc.
		937.05 937.20 Fault Zone. Mostly brecciated shale and quartz veins, minor fault gouge.			936.10-937.90 - 38% Sulphides.	<1% Zinc.
		937.90-938.20 Fault Zone. Brecciated, graphitic minor quartz veining.			937.90-939.00 - 2-3% Diss. pyrite.	
					939.00-939.90 - 60% Laminar pyrite.	<1% Zinc.
939.90 TO 978.50	GUNSTEEL FORMATION BARITIC PYRITIC SHALES «BA PY SH»	Black, fine grained, soft, massive to weakly foliated shales hosting common 2-3cm zones of fine laminar pyrite. Laminar pyrite zones often contain nodular pyritic barite and <1cm calcareous septarian nodules.		Silicification gradually increasing downhole.	Overall sulphide content 5-8% pyrite as 2-3cm and locally 5-7cm of fine laminar beds. 1-2% disseminated pyrite within shales.	
		939.90-940.70 «CHT» Dark grey massive chert. Minor quartz-calcite veining.			940.50 Trace red sphalerite within quartz-calcite veins.	
		945.20 Bedding @ --------------------------------	78			
		953.00 Grading within a pyrite bed indicates tops uphole.				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		957.30-957.90 50-60% Laminar bedded sulphides thinly laminated with silicified shales. Bedding often distorted due to 10-15% dark grey calcareous nodules.		Below 957.90 shales weak to moderately silicified, stronger silicification i areas with increased laminar pyrite.	957.30-957.90 - 50-60% Laminar bedded pyrite.	
		960.10-962.70 Thinly laminated shale, laminar pyrite and nodular to bedded light grey strongly calcareous baritic? beds. 10-15% dark grey calcareous septarian nodules.			960.10-961.30 - 25% Fine laminar pyrite 961.30-962.70 - 15-20% Fine laminar pyrite.	
		965.6 - 968.5 Interlaminated pyrite, shale, 5% calcareous nodular barite, 7-8% light grey, strongly calcareous beds (limestone?) and 5-10% dark grey calcareous nodules.		962.70-965.60 Strongly silicified.		
		966.5 10 cm milled and quartz vein healed fault zone. Faulting at - - - - - - - - - - - - - - - - - -	72		965.6-966.6 10-15% finely laminar pyrite.	
		966.6 - 967.4 strong cherty appearance.			966.6-967.4 1-2% disseminated pyrite 967.4-968.2 50% fine laminar pyrite 968.2-968.5 60% laminar massive pyrite	
		968.5-978.5 Massive silicified shale hosting <20 cm wide zones of laminar pyrite and shale with common septarian nodules. 971.2 Bedding at - - - - - - - - - - - - - - - -	64	968.5-978.5 moderate to strongly silicified.	968.5-978.5 3-4% finely disseminated pyrite, 7-10% fine laminar pyrite within <20 cm zones.	
978.50 TO 1012.10	CARDIAC CREEK ZONE. LAMINAR MASSIVE SULFIDES & SHALE «MS-SH»	Thinly laminated massive pyrite-sphalerite interbedded with black silicified massive shale. Laminar massive sulfide zones contains 7-8% <1mm calcareous flecks which contain coarser brassy pyrite grains. Massive sulfides also contain occasional round calcareous nodules which are more abundant within higher grade sections.		moderate to strongly silicified shale, strongly silicified massive sulfides.	Sulfides thin laminar bedded mix of pyrite and sphalerite. Minor galena generally associated with mm calcareous flecks and gashes.	Zinc Estimates
		978.5-979.0 Bedding at - - - - - - - - - - - - -	55		978.5-979.0 85% laminar sulfides <1-1% galena	6% Zn
					979.0-979.9 66% sulfides, mainly pyrite	1% Zn

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
					34% shale.	
		979.9-980.9 Bedding at - - - - - - - - - - - - -	50		979.9-980.9 60% sulfides, trace galena	1% Zn
					980.9-981.5 1-2% disseminated pyrite	0
					981.5-982.7 68% sulfides, <1% galena	7% Zn
		982.7-983.3 Bedding at - - - - - - - - - - - - -	50		982.7-983.3 3-4% fine disseminated pyrite.	0
		983.3-984.1 Bedding at - - - - - - - - - - - - -	45		983.3-984.1 83% sulfides	4% Zn
					984.1-984.9 70% sulfides	6% Zn
		984.9-985.6 Bedding at - - - - - - - - - - - - -	42		984.9-985.6 69% sulfides	7% Zn
					985.6-986.2 71% sulfides	2% Zn
		986.2-987.4 Massive to weakly bedded, bedding very distorted. Abundant layered calcareous nodules.			986.2-987.4 93% massive sulfides. sulfide embayments into calcareous nodules. 2-3% galena	17% Zn
		987.4-988.4 Bedding still distorted becoming planar in last 30 cm.			987.4-988.4 93% massive sulfides. 2-3% galena	13% Zn
		988.4-989.4 Bedding at - - - - - - - - - - - - -	30		988.4-989.4 70% laminar sulfides, trace galena	1% Zn
					989.4-990.2 78% sulfides	5% Zn
		990.2-991.1 Bedding at 48-55 degrees			990.2-991.1 67% sulfides	3% Zn
					991.1-991.5 95% laminar sulfides, trace galena.	7% Zn
		991.5-992.2 Bedding at - - - - - - - - - - - - -	65		991.5-992.2 81% laminar sulfides, <1% galena	4% Zn
					992.2-992.8 88% sulfides, 2-3% galena	15% Zn
		992.8-993.6 strongly silicified shale			992.8-993.6 2-3% finely disseminated pyrite	0
		993.6-994.3 Bedding at - - - - - - - - - - - - -	70		993.6-994.3 57% laminar sulfides.	5% Zn
					994.3-995.0 73% laminar sulfides.	8% Zn
		995.0-996.1 88% massive silicified shale.			995.0-996.1 11% laminar sulfides, 2-3% disseminated pyrite. 1% sphalerite disseminated within quartz-calcite veins and as cores to calcareous flecks within sulfide laminations.	0.5% Zn
		996.1-996.9 Bedding at - - - - - - - - - - - - -	75		996.1-996.9 64% laminar sulfides	2% Zn
		996.9-997.9 Bedding at - - - - - - - - - - - - -	80		996.9-997.9 79% laminar sulfides	4% Zn
					997.9-998.7 2% disseminated pyrite, <1% laminar sulfides.	<0.5% Zn
					998.7-999.2 82% laminar sulfides	5% Zn
		{999.2-1012.1}«SH-LAM PY» Below 999.2 overall sulfide and sphalerite content sharply decrease. Zone is an interbedded mix of moderate to strongly silicified massive shale and finely laminated sulfides, mainly pyrite. <0.5 cm calcareous nodules within sulfides are more common than uphole.			999.2-1000.3 5% laminar sulfides 1-2% disseminated pyrite	<0.5% Zn

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		1000.3-1001.3 Massive strongly silicified shale. 1001.3-1001.8 Bedding at - - - - - - - - - - - - - 1003.8 Bedding at - - - - - - - - - - - - - - - - - 1008.3-1009.6 Rare calcareous nodules, mainly in first 10 cm of interval. 1010.0 Bedding at - - - - - - - - - - - - - - - - - 1010.7-1011.2 return of calcareous nodules, 5-7% nodules.	82 82 83		1000.3-1001.3 <1% disseminated pyrite 1001.3-1001.8 30% laminar sulfides 1001.8-1003.6 7-10% laminar pyrite 1003.6-1004.4 35% laminar pyrite 1004.4-1005.1 15% laminar pyrite, 3-4% disseminated pyrite 1005.1-1006.3 15% laminar pyrite, 3-4% disseminated pyrite. 1006.3-1007.5 37% laminar pyrite 1007.5-1008.3 30% laminar pyrite, 4-5% disseminated pyrite. 1008.3-1009.6 80% laminar pyrite. Several 1-2 cm bands of massive pyrite with possible sphalerite. 1009.6-1011.2 70% laminar pyrite. 1011.2-1012.1 15% laminar pyrite.	0 <1% Zn 0 1-2% Zn <1% Zn
1012.10 TO 1016.30	GUNSTEEL FORMATION LIMESTONE BRECCIA «LST BX, LAM PY»	Dark grey, fine to coarse grained, massive but thinly bedded. 40-50% dark grey rounded to irregular shaped limestone fragments? to thin layers which are a mix of crystalline limestone which looks like septarian nodules and fragments of a coarse limestone sand which may contain small crinoid oscicles. Limestone fragments hosted in a matrix of shale and pyrite laminations 1015.2-1016.0 Silicified shale, minor nodular pyritic barite. Bedding at - - - - - - - - - - -	80	Strongly silicified	1012.1-1012.6 7% laminar pyrite 1012.6-1013.5 25% laminar pyrite 1013.5-1015.2 35% laminar pyrite 1015.2-1016.3 5% laminar pyrite	Not the typical fossiliferous limestone which overlies the Road River.
1016.30 TO 1019.10	NODULAR AND BEDDED BARITE «NOD BDD BA »	First 45 cm very thinly laminated strongly calcareous barite and fine nodular barite coalescing into thin beds. Remainder of unit silicified shale hosting 25% nodular barite disseminated to concentrated in thin beds and 5% solid barite beds. Barite beds often distorted.		Strongly silicified shales. Strongly calcareous barite nodules and beds.	4-5% pyrite disseminated within shales and barite nodules.	
1019.10 TO 1024.90	GUNSTEEL FORMATION THINLY BEDDED SHALE	Dark grey to black, fine grained, thinly bedded shales. Bedding defined by common <1-2mm lighter grey silty laminations. Bedding at - - - - - - -	80	Nonsilicified	5-7% pyrite, disseminated and within silty laminations. {1019.10-1024.9} «5-7% LAM PY»	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
	«SH»					
1024.90 TO 1030.50	GUNSTEEL FORMATION SHALE SILTSTONE BRECCIA «SH SLT BX»	1-3cm rounded and stretched fragments of black shale and medium grey, white speckled siltstone fragments in a dark grey to black shaley matrix. Rare fragments of Road River calcareous siltstone. Local thin bedding of shales similar to previous unit. 1029.0 Bedding at - - - - - - - - - - - - - - - - - 1030.5 E.O.H.	75		2-3% disseminated pyrite.	1030.5 Reached the limit of the drill. Unable to proceed, Hole too flat. Hole stoppped.

Sample	From (m)	To (m)	Length (m)	ASSAYS Zn %	Pb %	Ag g/t	Ba %	Cd %	S %	GEOCHEMICAL Zn ppm	Pb ppm	Ag ppm	Ba ppm	Cd ppm	Cu ppm	Se ppm	Hg ppb	S.G.	COMMENTS
34061	860.70	861.90	1.20	.11	.01	2.4	1.01												
34062	861.90	863.10	1.20	.15	.03	2.5	1.26												
34063	863.10	864.30	1.20	.22	.03	2.2	1.93												
34064	925.20	926.20	1.00	.37	.03	1.4	.67												
34065	926.20	927.30	1.10	1.16	.28	6.7	2.87							35.0	56			3.00	
34066	927.30	928.40	1.10	1.74	.25	5.4	5.17							83.7	46			2.98	
34067	928.40	929.20	0.80	4.62	.67	8.9	5.06							100.0	52			3.17	
34068	929.20	930.00	0.80	6.03	.85	10.7	4.37							100.0	73			3.10	
34069	930.00	931.10	1.10	.59	.13	1.3	6.51							22.0	16			2.71	
34070	931.10	932.20	1.10	6.51	1.08	11.8	4.65							100.0	67			3.08	
34071	932.20	932.90	0.70	5.48	.80	9.2	5.03							100.0	68			3.04	
34072	933.30	933.80	0.50	.45	.10	1.4	4.87							18.7	19			2.72	
34073	933.80	934.40	0.60	4.49	.78	9.5	3.05							100.0	82			3.09	
34074	934.40	934.90	0.50	.65	.11	2.4	6.34							23.6	23			2.79	
34075	934.90	936.10	1.20	2.83	.50	6.8	4.64							100.0	54			3.17	
37751	936.10	937.90	1.80	1.52	.23	3.6	3.88							79.0	43			2.79	
37752	937.90	939.00	1.10	.72	.07	3.0	5.09							41.7	46			2.68	
37753	939.00	939.90	0.90	.83	.14	5.4	4.72							43.0	79			2.83	
37754	939.90	941.10	1.20	.14	.02	1.9	.85												
37755	941.10	942.30	1.20	.32	.02	1.3	1.18												
37756	942.30	943.50	1.20	.34	.01	1.1	1.17												
37757	943.50	944.40	0.90	.35	.04	2.8	.92												
37758	954.90	956.10	1.20	.16	.01	2.7	1.47							5.8	36				
37759	956.10	957.30	1.20	.10	.01	3.2	1.71							.1	35				
37760	957.30	957.90	0.60	.01	.03	7.6	2.01							.1	65				
37761	957.90	960.10	2.20	.24	.02	1.4	2.41							11.5	22				
37762	960.10	961.40	1.30	.01	.02	5.4	10.50							.1	48				
37763	961.40	962.70	1.30	.01	.03	3.9	13.70							.1	40				
37817	962.70	965.60	2.90	.05	.02	2.3	4.49							.1	39				
37764	965.60	966.60	1.00	.02	.02	3.2	14.40							.1	35				
37765	966.60	967.40	0.80	.24	.01	.9	2.63							6.8	18				
37766	967.40	968.50	1.10	.41	.04	5.9	3.59							.1	47				
37767	974.00	975.20	1.20	.53	.06	1.2	1.15											2.67	
37768	975.20	977.40	2.20	.35	.04	1.6	1.68											2.64	
37769	977.40	977.80	0.40	1.60	.25	4.1	2.99											2.90	
37770	977.80	978.50	0.70	.75	.11	1.7	1.72											2.60	
37771	978.50	979.00	0.50	4.24	.68	7.5	4.13							100.0	53			2.95	

Sample	From (m)	To (m)	Length (m)	ASSAYS Zn %	Pb %	Ag g/t	Ba %	Cd %	S %	GEOCHEMICAL Zn ppm	Pb ppm	Ag ppm	Ba ppm	Cd ppm	Cu ppm	Se ppm	Hg ppb	S.G.	COMMENTS
37772	979.00	979.90	0.90	2.09	.46	6.0	4.68							100.0	46			2.97	
37773	979.90	980.90	1.00	2.08	.39	6.5	4.72							93.5	55			3.05	
37774	980.90	981.50	0.60	.66	.12	1.7	3.46							28.2	27			2.69	
37775	981.50	982.70	1.20	4.75	.89	10.4	3.79							100.0	67			2.90	
37776	982.70	983.30	0.60	.34	.10	1.3	3.64							10.6	21			2.71	
37777	983.30	984.10	0.80	4.19	.91	11.0	3.43							100.0	66			3.07	
37778	984.10	984.90	0.80	5.81	.93	11.4	3.50							100.0	52			3.14	
37779	984.90	985.60	0.70	4.01	.78	9.3	5.11							100.0	46			3.03	
37780	985.60	986.20	0.60	2.76	1.12	10.1	3.48							100.0	49			3.10	
37781	986.20	987.40	1.20	16.20	1.80	16.4	1.76							100.0	46			3.48	
37782	987.40	988.40	1.00	12.90	1.70	16.5	1.88							100.0	52			3.33	
37783	988.40	989.40	1.00	3.02	1.01	12.4	2.65							100.0	48			3.03	
37784	989.40	990.20	0.80	5.20	.86	11.7	3.79							100.0	46			3.13	
37785	990.20	991.10	0.90	3.84	.79	9.9	3.79							100.0	49			3.01	
37786	991.10	991.50	0.40	10.40	1.78	20.9	3.09							100.0	57			3.42	
37787	991.50	992.20	0.70	4.32	1.45	13.2	4.21							100.0	58			3.02	
37788	992.20	992.80	0.60	17.80	2.44	22.2	2.31							100.0	67			3.39	
37789	992.80	993.60	0.80	.38	.13	1.5	3.11							14.4	23			2.71	
37790	993.60	994.30	0.70	3.53	.80	9.4	4.17							100.0	59			2.97	
37791	994.30	995.00	0.70	6.70	1.16	12.2	3.10							100.0	70			3.09	
37792	995.00	996.10	1.10	.97	.18	2.1	2.68							43.2	26			2.70	
37793	996.10	996.90	0.80	2.64	.51	7.9	3.73							100.0	51			3.00	
37794	996.90	997.90	1.00	3.30	.56	6.5	4.72							100.0	55			3.00	
37795	997.90	998.70	0.80	.74	.12	2.3	2.21											2.68	
37796	998.70	999.20	0.50	3.36	.52	6.1	1.64											2.92	
37797	999.20	1000.30	1.10	.52	.10	1.6	1.21							23.3	27				
37798	1000.30	1001.30	1.00	.39	.04	1.2	1.48							16.4	19				
37799	1001.30	1001.80	0.50	2.03	.39	3.5	1.91							100.0	65				
37800	1001.80	1003.60	1.80	.74	.05	2.0	1.08							30.0	44				
37801	1003.60	1004.40	0.80	.45	.06	3.7	1.10							2.6	73				
37802	1004.40	1005.10	0.70	.53	.03	2.1	1.28							11.7	37				
37803	1005.10	1006.30	1.20	.38	.03	2.3	1.86							3.4	30				
37804	1006.30	1007.50	1.20	.84	.09	4.6	1.73							7.0	55				
37805	1007.50	1008.30	0.80	.48	.04	3.3	2.57							1.9	21				
37806	1008.30	1009.60	1.30	1.84	.23	7.8	2.43							18.7	28				
37807	1009.60	1011.20	1.60	.32	.09	6.5	1.24							.1	32				
37808	1011.20	1012.10	0.90	.19	.05	3.6	1.16							.1	26				

Sample	From (m)	To (m)	Length (m)	ASSAYS Zn %	Pb %	Ag g/t	Ba %	Cd %	S %	GEOCHEMICAL Zn ppm	Pb ppm	Ag ppm	Ba ppm	Cd ppm	Cu ppm	Se ppm	Hg ppb	S.G.	COMMENTS
37809	1012.10	1012.60	0.50	.04	.06	4.9	1.21							.1	31				
37810	1012.60	1013.50	0.90	.01	.05	5.3	.95							.1	29				
37811	1013.50	1014.40	0.90	.01	.05	4.5	.92							.1	32				
37812	1014.40	1015.20	0.80	.10	.03	3.1	1.37							1.4	26				
37813	1015.20	1016.30	1.10	.19	.03	1.6	6.88							9.6	31				
37814	1016.30	1017.70	1.40	.01	.01	1.7	26.30							.1	22				
37815	1017.70	1019.10	1.40	.01	.01	1.9	19.60							.1	34				
37816	1019.10	1020.20	1.10	.01	.01	2.1	4.00							.1	36				
AVE.	926.20	939.90	13.70	2.50	0.40	5.86	4.53							67.35	50.01				
AVE.	978.50	997.90	19.40	5.14	0.88	9.78	3.50							87.93	49.53				
ALT.AVG.	986.20	992.80	6.60	9.22	1.43	14.81	2.83							100.00	51.47				

Total amount of samples= 82
Total length sampled = 82.2M

MINNOVA INC.
DRILL HOLE RECORD

DATE: 19-February-1996
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: GATAGA
PROJECT NUMBER: 677
CLAIM NUMBER: AKIE 7
LOCATION: NTS 94F/7

PLOTTING COORDS GRID: AKIE
NORTH: 2830.00S
EAST: 570.00W
ELEV: 1693.00

ALTERNATE COORDS GRID:
NORTH: 0+ 0
EAST: 0+ 0
ELEV: 0.00

COLLAR DIP: -88° 0' 0"
LENGTH OF THE HOLE: 828.10m
START DEPTH: 0.00m
FINAL DEPTH: 828.10m

COLLAR GRID AZIMUTH : 75° 0' 0"
COLLAR ASTRO. AZIMUTH : 35° 0' 0"

DATE STARTED: September 16, 1995
DATE COMPLETED: 0, 0
DATE LOGGED: 0, 0

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: YES

PULSE EM SURVEY: NO
CAPPED: NO
HOLE SIZE: HQ/NQ

CONTRACTOR: FALCON DRILLING LTD.
CASING: 14.00M
CORE STORAGE: ON SITE

PURPOSE: Deep test of the Cardiac Creek zone, downdip of hole A-11.

COMMENTS :

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
23.80	-	-88° 0'	ACID	OK		-	-	-	-	-	
61.00	25° 0'	-84° 0'	SING.SHOT	OK		-	-	-	-	-	
121.90	22° 0'	-83°30'	SING.SHOT	OK		-	-	-	-	-	
182.90	24° 0'	-83° 0'	SING.SHOT	OK		-	-	-	-	-	
243.80	21° 0'	-83° 0'	SING.SHOT	OK		-	-	-	-	-	
304.80	21° 0'	-83° 0'	SING.SHOT	OK		-	-	-	-	-	
365.80	16° 0'	-81° 0'	SING.SHOT	OK		-	-	-	-	-	
426.70	14° 0'	-80° 0'	SING.SHOT	OK		-	-	-	-	-	
487.70	14° 0'	-79° 0'	SING.SHOT	OK		-	-	-	-	-	
548.60	18° 0'	-74° 0'	SING.SHOT	OK		-	-	-	-	-	
609.60	25° 0'	-67° 0'	SING.SHOT	OK		-	-	-	-	-	
670.60	27° 0'	-65° 0'	SING.SHOT	OK		-	-	-	-	-	
710.50	26° 0'	-64° 0'	SING.SHOT	OK		-	-	-	-	-	
773.30	29° 0'	-59° 0'	SING.SHOT	OK		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 14.00	CASING					
14.00 TO 52.10	ROAD RIVER GROUP ORDOVICIAN GRAPTOLITIC SHALES. «R.R. GRAPT SH»	Black, fine grained, well foliated, moderately hard. Common straight graptolites (digraptus?) along foliation planes. 21.00 Foliation @ ------------------------------ 33.60 Foliation @ ------------------------------ 51.70-52.10 Fault Zone. Sheared, graphitic healed by calcite quartz veining.	 15 17		3-5% Finely dissseminated pyrite.	Broken, rubbly core recovery.
52.10 TO 59.10	ROAD RIVER GROUP «R.R. SH»	Black, finegrained, well foliated. Common <1cm calcareous pyritic lenses/beds transposed and pulled apart by foliation. 55.0-56.20 Massive, light grey limestone. 58.60 Foliation @ ------------------------------	 24		2-3% Fine pyrite disseminated within calcareous lenses.	
59.10 TO 213.10	ROAD RIVER GROUP SHALEY LIMESTONE. «R.R. SHY L ST»	Dark grey, fine grained, foliated limestone mud, shaley limestone. Occaissional 2-3m wide beds of massive light grey, cleaner limestone. 64.80 Foliation @ ------------------------------ 71.30-73.60 Dark grey to black, muddy limestone with abundant <1cm light grey, transported lenses. 71.80 Foliation @ ------------------------------ ¦73.60-77.80¦«FAULT» Fault Zone. 73.60-75.30 <10% recovery of graphitic shale and gouge. 75.30-76.80 Strongly graphitic sheared shale. 76.80-77.80 Milled fault breccia. Faulting @ ------------------------------------ Below 77.80 Well bedded light and dark grey, fine grained	 20 23 36		71.30-73.60 5% Pyrite, disseminated and fine laminations.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		limestone mud. Bedding thickens generally <10cm, darker grey beds usually thicker, up to 20cm.				
		78.30 Bedding @ --------------------------------	33			
		88.00 Bedding @ --------------------------------	35			
		Foliation @ ------------------------------	44			
		90.90-91.30 Fault Zone. Brecciated limestone with 5cm sheared and calcite veined healed lower fault contact @--	42			
		95.40 Bedding @ --------------------------------	20			
		106.30 Bedding @ -------------------------------	22			
		102.50-123.90 Limestone.				
		125.00 Bedding @ -------------------------------	10			
		133.00 Bedding @ -------------------------------	15			
		140.1-142.0 very broken and rubbly, fault?				
		142.2 Bedding @ - - - - - - - - - - - - - - - - -	10			
		147.0 Bedding @ - - - - - - - - - - - - - - - - -	25			
		152.0 Bedding @ - - - - - - - - - - - - - - - - -	10			
				158.8-160.2 30% quartz - carbonate veins.		
		160.2-161.0 Fault, abundant gouge at - - - - - -	20			
		163.4-163.6 Fault, abundant gouge at - - - - - -	55			
		163.7-197.5 Core is very broken and rubbly, rare to see a piece of core over 5 cm in length.				
		167.0-169.2 Fault, local gouge sections to 30 cm. Core broken to <1cm fragments.				
		175.5-177.7 milled and healed quartz-carbonate and limestone.				
		177.7-179.8 «FAULT» Common gouge seams and quartz-carbonate veins to 10cm.				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		194.9 Bedding @ - - - - - - - - - - - - - - - -	25			
		197.5-206.5 Thin well bedded limestone with very minor, <5%, interbeds of siltstone and shale. Local cross-cutting quartz-carbonate veins to 5cm. 205.2 Bedding @ - - - - - - - - - - - - - - - -	18			
		206.5-213.1 Predominantly thin to medium bedded limestone, minor calcareous siltstone and 10% interbedded strongly graphitic black shale. 211.2 Bedding @ - - - - - - - - - - - - - - - -	30			
213.10 TO 246.90	ROAD RIVER GROUP SHALE «R.R. SH»	Black, fine grained, thinly bedded graphitic shale interbedded with 5-20% limestone and calcareous siltstone. 213.1-227.6 Thin black graphitic shale with 15-20% interbedded limestone and calcareous siltstone. Entire unit is strongly sheared. {213.1-218.5}«FAULT» Very broken and rubbly, rubbly sections in excess of 1m. Common gouge seams, local healed breccia sections, common quartz-carbonate veins which are also brecciated. 227.6-246.9 95% thinly bedded black graphitic shales, minor limestone to limy siltstone interbeds. Bedding contorted throughout interval. 227.6-231.0 Strongly sheared and contorted. 233.5-234.4 Strongly sheared and contorted. 242.3-246.9 Very broken and rubbly, local gouge sections. No solid core pieces over 5cm.		226.6-227.6 90% quartz-carbonate veins		
246.90 TO 636.00	ROAD RIVER GROUP. INTERBEDDED SILTSTONE AND SHALE. «R.R. SLT-SH»	Light grey thinly bedded siltstone interbedded with black shale. Sequence of alternating siltstone rich and shale rich intervals. 246.9-315.5 70% light grey siltstone interbedded with black shale. Beds are <1cm alternating silt and shale. Siltstone is locally calcareous with minor			Local patchy disseminated pyrite, pyrite can also occur as cores to carbonate blebs.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		limestone.				
		248.7 Bedding at - - - - - - - - - - - - - - - -	25			
		|249.3-259.4|«FAULT, SH» Predominantly black weakly graphitic shale, strongly brecciated and very rubbly. 80% brecciated quartz veins.				
		264.5 Bedding at - - - - - - - - - - - - - - - -	12			
				276.2-278.5 40% quartz veining, locally sheared.		
		278.5-282.9 moderate to strongly sheared, local gouge seams to 5cm.				
				282.9-283.2 90% quartz veining.		
		288.5 Bedding at - - - - - - - - - - - - - - - -	8			
		298.4 Bedding at - - - - - - - - - - - - - - - -	8			
				299.4-306.2 60% quartz veining. 310.0-313.0 15% quartz veining. 313.0-315.5 80% quartz veining.		
		315.5-323.8 Black shale to siltstone with a minor amount of interbedded light to medium grey siltstone. Moderately graphitic.				
		318.5 Bedding at - - - - - - - - - - - - - - - -	32			
		323.8-332.3 60% light to medium grey siltstone with 40% interbedded black shale to siltstone. Weakly graphitic. Interbeds are generally <1cm.				
		327.0 Bedding at - - - - - - - - - - - - - - - -	15			
		332.3-345.3 Mainly black moderately graphitic shale to siltstone, with less than 10% interbedded light to medium grey siltstone.			Minor laminated pyrite.	
		338.6-339.2 very strongly sheared, minor gouge.				
		340.0 Bedding at - - - - - - - - - - - - - - - -	22			
		|342.5-345.3|«FAULT» Very strongly sheared, broken and rubbly with common gouge sections.				
		345.3-381.5 Light to medium grey, finely bedded siltstone with minor black shale interbeds. Siltstone is locally				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		calcareous, local limestone interbeds.				
		352.0 bedding at - - - - - - - - - - - - - - - -	18			
		356.2-360.5 50% interbedded black graphitic shale. Very broken and rubbly, local quartz veining. Minor strongly sheared sections with gouge.				359.4 Reduce from HQ to NTW
		366.7 Bedding at - - - - - - - - - - - - - - - -	18			
				368.7-369.5 70% quartz veins, locally brecciated and healed.		
				374.5-377.7 80% quartz veins, locally brecciated and healed. Host rock is locally very strongly sheared.		
				377.7-381.5 10-15% quartz veining, host rock locally sheared.		
		381.5-392.8 50% black graphitic shales interbedded with siltstone.		383.2-384.6 15% quartz veining.		
		{384.6-385.9}«FAULT» 30% quartz veining, very strongly sheared shales and common gouge.				
		389.6-390.3 strongly sheared, minor gouge.		389.6-390.3 5-10% quartz veining,		
		392.8-397.2 Mainly black, weak to moderately graphitic shale to siltstone. Very minor interbedded grey siltstone. {392.8-395.3}«FAULT» 30% quartz veining. Host rock strongly sheared, abundant gouge between 394.1-395.3				
		397.2-401.4 90% light to medium grey siltstone, 10% black shale interbeds.				
		399.6 Bedding at - - - - - - - - - - - - - - - -	15			
		401.4-411.5 90% black, weakly graphitic shale and 10% light to medium grey siltstone.				
		404.3 Bedding at - - - - - - - - - - - - - - - -	17			
		411.5-436.2				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		Mainly fine bedded (<1cm) siltstone with 10-15% black shales, locally weakly graphitic. Rare argillite interbeds to 20cm.				415.7 Reduce from NTW to NQ
		420.0 Bedding at - - - - - - - - - - - - - - - -	18			
		433.0 Bedding at - - - - - - - - - - - - - - - -	20			
		436.2-439.2 60% shale with 40% finely interbedded siltstone.				
		439.2-443.2 60% siltstone, 40% shale.				
		443.2-447.8 Black moderately graphitic shale with 30% interbedded siltstone. Very rubbly from 446.8-447.8				
		447.8-468.3 Finely bedded siltstone with 10-15% interbedded shale. 452.2-453.2 80% shale.				
		448.0 Bedding at - - - - - - - - - - - - - - - -	22			
		454.0 Bedding at - - - - - - - - - - - - - - - -	23			463.0-463.9 no core recovered.
		468.3-502.0 60% siltstone with 40% interbedded black weakly graphitic shale. Bedding generally <1cm, locally to 20cm of finely bedded shale. Thicker shale interbeds moderately graphitic.				
		481.3 Bedding at - - - - - - - - - - - - - - - -	20			
		496.5 Bedding at - - - - - - - - - - - - - - - -	22			
		502.0-517.7 Black, weakly graphitic, finely bedded shale, 10-15% medium to dark grey interbedded siltstone.			505.3 1cm band of bedded pyrite. 516.5 5cm band of 30% blebs of pyrite in a weak quartz gangue.	
		508.5 Bedding at - - - - - - - - - - - - - - - -	21			
		517.7-535.6 Siltstone with 40% interbedded black shale. Bedding generally <1cm.			local patchy pyrite	
		535.1 Bedding at - - - - - - - - - - - - - - - -	34			
		535.6-551.4 Siltstone with 15-20% interbedded black shale. Bedding <1-20cm scale.			local patchy pyrite	
		546.0 Bedding at - - - - - - - - - - - - - - - -	33			
		551.4-604.7				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		Siltstone with 20-25% interbedded black shale. Bedding at <1cm - 1.5m 561.1 Bedding at - - - - - - - - - - - - - - - - 577.9 Bedding at - - - - - - - - - - - - - - - - 587.7 Bedding at - - - - - - - - - - - - - - - - ┨593.1-595.0┠«FAULT» Badly broken, local gouge and quartz veins. 604.7-611.5 Mainly black shale with 10% <1-8cm siltstone interbeds. 605.0 Bedding at - - - - - - - - - - - - - - - - 611.5-636.0 Mainly medium grey laminated to thinly bedded siltstone. 623.3 bedding at - - - - - - - - - - - - - - - - 629.9-636.0 Becoming weakly brecciated, bedding folded and distorted, minor quartz-calcite veining. Sharp faulted lower contact at - - - - - No fault gouge development.	 33 37 36 40 36 40		local patchy pyrite	
636.00 TO 828.10	GUNSTEEL FORMATION. GRAPHITIC SILICIFIED SHALE. «GRAPH SIL SH»	Black, very fine grained, weakly foliated with strongly graphitic foliation planes. Locally more strongly foliated or locally massive. 636.0-641.6 Quartz-calcite veining adjacent to fault contact. 646.5 Foliation - - - - - - - - - - - - - - - - 652.3 45cm of dark grey massive chert. 653.0 Foliation at - - - - - - - - - - - - - - - 654.1 1cm wide siliceous shear at - - - - - - - ┨657.1-659.5┠«FAULT» Fault zone. Strongly graphitic shale, graphitic fault gouge, poor recovery. 662.2 Foliation at - - - - - - - - - - - - - - -	 40 65 75 40	Moderately silicified throughout. 636.0-641.6 10% quartz-calcite veins. 10cm strong veining at contact.	Rare pyrite laminations possibly secondary and parallel to foliation. 636.0-641.6 common brassy pyrite and traces of sphalerite within quartz-calcite veins. 644.7-649.1 5% pyrite as common <<1mm discontinuous singular laminations and wisps parallel to foliation.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		663.8 5cm of a calcareous, coarse, light grey chert grain sand. 663.8-666.3 Weak fragmental texture, indistinct shale fragment patchy 2-3% light grey chert sand grains.				
		664.5-664.9 Patchy chert fragments to 1cm. Disturbed beds of coarse chert grain sands mixed with shale.				
		666.3-667.8 «FAULT» Fault Zone. Soft, strongly graphitic gougy shale sharp lower contact at - - - - - - - - - - - - -	17			
		667.8-682.6 Silicified Shale			667.8-682.6 2-3% finely disseminated pyrite.	
		671.0 20cm zone with 5% light grey limestone and chert fragments up to 5mm.				
		673.0-673.4 Limestone. Dark grey nodular limestone mixed with shale becoming more massive in last 20cm.				
		672.8 6cm with distorted beds containing coarse sand to small pebble (up to 6mm) of light grey chert.				
		673.1 Foliation at - - - - - - - - - - - - - - -	50			
		682.6-688.3 Baritic shales. 2-3% mm scale dark grey nodular and wormy barite. 2-3% wispy and <<1mm white weakly calcareous, weakly pyritic baritic? grains. 686.3 Foliation at - - - - - - - - - - - - - - -	50		682.6-688.3 Patchy singular massive brassy pyrite laminations parallel to foliation. Secondary in nature.	
		688.3-699.8 Strongly silicified shales, cherty shales, indistinct bedding becoming stronger below 694m. Bedding below 694m defined by occassional faint fine pyrite laminations and dark-medium grey weakly pyritic silty shales. 694.7 Bedding at - - - - - - - - - - - - - - - -	60	below 688.3 Strongly Silicified.	Rare patchy nodular pyrite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		695.5 Bedding at - - - - - - - - - - - - - - - -	67			
		699.8-703.5 Silicified Shale with patchy up to 30cm zones of laminated and thinly bedded shale and pyritic shale and <<1mm nodular pyritic barite forming laminations. Bedding at - - - - - - - - - - - -	52	699.8-717.2 Strongly silicified	699.8-717.2 3-5% very fine disseminated pyrite.	
		703.5-717.2 Silicified shale, weakly pyritic, weak silty appearance.				
		706.7-706.8, 708.5-709.7 and 710.4-710.6 Coarse clastic intervals. Coarse 1-2mm sand grains and small fragments up to 5mm. Rock fragments of flattened shale and dark grey pyritic silts and shales. Possible 1-2% white feldspar? grains.			2-3% granular brassy pyrite within clastic sections.	
		713.5-717.2 Patchy 5% <<1mm barite nodules.				
		717.2 70cm of dark grey massive chert. Minor inter-bedding with shales at - - - - - - - - - - - - -	65			
		717.9-722.0 Silicified shale, patchy <<1mm nodular barite.				
		722.0-724.8 Black graphitic chert.				
		┤724.8-736.4├«Ba Shale» Baritic Shale. Black, silicified, weakly graphitic shale hosting common generally <20cm zones of up to 15% disseminated <<1mm barite flecks.		Strongly silicified	2-5% ultra fine grained disseminated pyrite.	
		725.9 Bedding at - - - - - - - - - - - - - - - -	62			
		728.2 20cm dark grey massive chert.				
		734.3 Bedding at - - - - - - - - - - - - - - - -	45			
		┤736.4-754.4├«no core» drilled with strata-pack bit, no core recovered.				
		754.4 Begin coring again into black strongly silicified shale with distorted silty laminations.				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		754.7 8cm of quartz veining, possible fault?		754.6-755.4 10-15% quartz veining.		
		754.8-755.25 abundant distorted lighter grey silty calcareous laminations.				
		755.25-756.5 Baritic pyritic shales, 10-15% <1-1mm nodular barite forming distinct cm wide beds interbedded with pyritic shales.		strongly silicified	7-10% ultra fine disseminated pyrite	
		755.4 2cm wide boundined dark grey limestone band within baritic and pyritic shales.				
		755.5 Bedding at - - - - - - - - - - - - - - - -	47			
		756.4 Bedding at - - - - - - - - - - - - - - - -	36			
		756.5-796.2 Silicified shale. Black, weakly foliated, weakly graphitic along foliation planes. Local cherty appearance.		756.5-796.2 Stong pervasive silicification	3-4% finely disseminated pyrite.	
		760.6 Foliation at - - - - - - - - - - - - - - -	40			
		763.7-769.6 Patchy nodular barite over <10cm widths of 5% barite.				
		764.9 Bedding defined by nodular barite at - - -	65			
		769.2 4cm quartz healed fault at - - - - - - - -	43			
		769.6-781.4 Silicified Shale with 15% ultra fine grained laminar bedded pyrite		strongly silicified	|769.6-781.4|«15% Lam PY» 15% finely laminar pyrite	
		770.6 Bedding at - - - - - - - - - - - - - - - -	55			
		771.5-774.5 broken, rubbly, poor recovery, minor quartz veining.				
		774.5-774.9 Strong fine brecciation into 1-2cm pieces recemented by a dark grey very fine siliceous network and 7-8% white weakly calcareous soft mineral.				
		776.0 Bedding at - - - - - - - - - - - - - - - -	62			
		778.0 Bedding at - - - - - - - - - - - - - - - -	60			
		779.1 Bedding at - - - - - - - - - - - - - - - -	55			
		781.2 Bedding at - - - - - - - - - - - - - - - -	42			

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		782.3 2cm siliceous shear at - - - - - - - - - - -	65			
		784.2-787.4 «Nod Ba» 2-3% siliceous pyritic nodular to wormy barite		784.2-801.7 2-3% quartz +/- calcite veinlets, small gashes and brecciation fillings.	traces of red sphalerite within quartz calcite veinlets and gashes.	
		787.4-787.8 «Nod-Bdd Ba» 30-40% wormy to continuous wavy barite layers 2-3mm thick. Rare coarse dark grey calcite nodules. Bedding at - - - - - - - - - - - - - -	58		784.2-787.8 2-3% faint laminar bedded pyrite, 2-3% disseminated pyrite	787.4-787.8 all core taken for ICP lith sample no. 33844
					787.8-797.3 patchy laminar pyrite often distorted and probably transposed.	
		791.9-797.3 2-3cm wide siliceous shears as follows: 791.9, 793.5, 794.3				
		793.1 30cm dark grey-black massive chert				
		796.6-797.8 shales taking on a strong sheared to milled texture.				
		797.3-797.4 «FAULT» Brecciated, milled quartz-calcite healed fault @	45			
		797.4-803.1 Silicified shale, black, weak to moderately foliated, local weak sheared texture. 798.7 Foliation at - - - - - - - - - - - - - - - - 802.8 Foliation at - - - - - - - - - - - - - - - -	 42 30	797.4-803.1 Strongly silicified	797.4-803.1 Patchy transposed laminar pyrite. 1-2% disseminated pyrite. Best laminar pyrite from 802.3-803.1	
		803.1-806.4 «CHERT» Chert. Dark grey to black, graphitic partings, massive, weakly brecciated with fine quartz veinlets. Possible bedding but bedding distorted or brecciated.				
		806.4-.............. Silicified Shale. Black, massive to weakly foliated, nongraphitic. 808.4 Foliation at - - - - - - - - - - - - - - - -	 42	806.4-......... Strongly silicified	806.4-809.4 2-3% and locally 5-7% disseminated pyrite.	
					809.4-822.9 «5% LAM PY» 5-7% faint pyrite laminations throughout.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		810.8 Fault Zone. 20cm strongly graphitic gougy shales. Faulting possibly at - - - - - - - - - -	55			
		813.4 Bedding at - - - - - - - - - - - - - - - - -	60			
		814.1 Foliation at - - - - - - - - - - - - - - - -	50			
		814.5 Bedding at - - - - - - - - - - - - - - - - -	65			
		818.7-818.8 Fault. 10cm of layered milled, sheared and silica healed fault. Layering curved, faulting possibly	37			
		818.9 Bedding at - - - - - - - - - - - - - - - - -	65			
		Below 822.9 Strongly silicified shales, weakly graphitic along foliation planes.			822.9- 5-7% ultra fine disseminated pyrite.	
		824.0 Foliation at - - - - - - - - - - - - - - - -	40			
						828.1 Rods broke 260 feet off bottom run down hole with tap. Break off tap in fault zone at 657 m. Drilling out tap but freeze 5500 feet of water line. Hole stopped for the winter, to be continued in 1996.

Sample	From (m)	To (m)	Length (m)	ASSAYS Zn %	Pb %	Ag g/t	Ba %	Cd %	S %	GEOCHEMICAL Zn ppm	Pb ppm	Ag ppm	Ba ppm	Cd ppm	Cu ppm	Se ppm	Hg ppb	S.G.	COMMENTS
	0.00	0.00	0.00																

Total amount of samples= 1
Total length sampled = 0.0M

LEGEND

DG	Gunsteel Formation
DK	Kwadacha Limestones
Sss	Road River, Ordovician to Silurian Siltstones, Shales & Limestones

GEOLOGICAL BRANCH ASSESSMENT REPORT

24,439

NOTE: SOIL GEOCHEMISTRY PLOTTED TO IDEALIZED GRID

Pb ppm / Zn ppm

> 97 ppm Pb

> 1014 ppm Zn

N.T.S. 94F
CONTOUR INTERVAL 20 m
SCALE 1:10,000

0 200 400 600 800 1000m

INMET MINING

GATAGA PROJECT – AKIE CLAIMS

SOIL GEOCHEMISTRY
Pb ppm Zn ppm

DATE:	DRAWN BY:	FIG. NO.
MAY 1996	PTB/DJD	5a

LEGEND

DG	Gunsteel Formation
DK	Kwadacha Limestones
Sss	Road River, Ordovician to Silurian Siltstones, Shales & Limestones

GEOLOGICAL BRANCH
ASSESSMENT REPORT

24,439

NOTE: SOIL GEOCHEMISTRY PLOTTED TO IDEALIZED GRID

Ag ppm / Ba ppm

> 5.1 ppm Ag

> 6745 ppm Ba

N.T.S. 94F
CONTOUR INTERVAL 20 m
SCALE 1:10,000

0 200 400 600 800 1000m

INMET MINING

GATAGA PROJECT – AKIE CLAIMS

SOIL GEOCHEMISTRY
Ag ppm Ba ppm

DATE:	DRAWN BY:	FIG. NO.
MAY 1996	PTB/DJD	5b

LEGEND

DG	Gunsteel Formation
DK	Kwadacha Limestones
Sss	Road River, Ordovician to Silurian Siltstones, Shales & Limestones

NOTE: SOIL GEOCHEMISTRY PLOTTED TO IDEALIZED GRID

Fe % / Mn ppm

> 5.3 % Fe

> 1089 ppm Mn

N.T.S. 94F
CONTOUR INTERVAL 20 m
SCALE 1:10,000

0 200 400 600 800 1000m

INMET MINING

GATAGA PROJECT – AKIE CLAIMS

SOIL GEOCHEMISTRY
Fe % Mn ppm

DATE:	DRAWN BY:	FIG. NO.
MAY 1996	PTB/DJD	5d

LEGEND

DG	Gunsteel Formation
DK	Kwadacha Limestones
Sss	Road River, Ordovician to Silurian Siltstones, Shales & Limestones

NOTE: SOIL GEOCHEMISTRY PLOTTED TO IDEALIZED GRID

Cd ppm / As ppm

> 11.1 ppm Cd

> 135 ppm As

N.T.S. 94F
CONTOUR INTERVAL 20 m
SCALE 1:10,000

0 200 400 600 800 1000m

INMET MINING

GATAGA PROJECT – AKIE CLAIMS

SOIL GEOCHEMISTRY
Cd ppm As ppm

DATE:	DRAWN BY:	FIG. NO.
MAY 1996	PTB/DJD	5c

LEGEND

DG	Gunsteel Formation
DK	Kwadacha Limestones
Sss	Road River, Ordovician to Silurian Siltstones, Shales & Limestones

NOTE: SOIL GEOCHEMISTRY PLOTTED TO IDEALIZED GRID

Soil Sample

MULTI-ELEMENT SOIL ANOMALY

N.T.S. 94F
CONTOUR INTERVAL 20 m
SCALE 1:10,000

0 200 400 600 800 1000m

INMET MINING

GATAGA PROJECT – AKIE CLAIMS

SOIL GEOCHEMISTRY COMPILATION

DATE:	DRAWN BY:	FIG. NO.
MAY 1996	PTB/DJD	6

NOTE: SOIL GEOCHEMISTRY PLOTTED TO IDEALIZED GRID

Soil Sample — DIAMOND DRILL HOLE

N.T.S. 94F
CONTOUR INTERVAL 20 m
SCALE 1:10,000

0 200 400 600 800 1000m

INMET MINING

GATAGA PROJECT – AKIE CLAIMS

DIAMOND DRILLING LOCATION MAP

DATE:	DRAWN BY:	FIG. NO.
MAY 1996	PTB/DJD	7