FOX GEOLOGICAL SERVICES INC

GEOLOGICAL AND SOIL GEOCHEMICAL REPORT

on the

TAM PROPERTY
TAM 1 TO 3 Mineral Claims
PROJECT NO. 252

OMINECA MINING DIVISION
BRITISH COLUMBIA

NTS 93F/2,3
53° 01' North Latitude
125° 00' 30" West Longitude

by

C. W. Payne M.Sc., P.Geo.

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Work Paid for by
PHELPS DODGE CORPORATION OF CANADA, LIMITED

December 20, 1995

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SUMMARY

A program of geological mapping, prospecting and soil sampling was conducted on the Tam Property in central B.C. between July 5 and 8, 1995. The property is located approximately 165 kilometres south of Vanderhoof on the Nechako Plateau. Access is south of Vanderhoof via the Kluskus Forest Service road and then east on the 8200 forest access road for five kilometres where a fire access trail leads to the northeast corner of the property.

The Tam Property is centrally located in the Interior Plateau of British Columbia, within the Intermontaine Belt, in the central portion of the Stikine Terrane. The claims are underlain by middle Jurassic Hazelton Group andesite/basalt and rhyolite with minor associated pyroclastic rocks. Intruding Hazelton Group rocks is felsite dykes possibly of Eocene age.

The 1995 exploration program was designed as a follow-up to Cogema's 1994 field season to further evaluate and confirm areas containing anomalous gold values in quartz veins located in the southwest part of the property. Soil sampling over the areas of interest outlined coincident north to northwest trending gold and silver soil anomalies further extending the area of known mineralization associated with the quartz veins. Mercury, arsenic and antimony values, however, are not anomalous in proximity to the vein structures. Rock sampling confirmed the presence of anomalous gold (up to 6,760ppb Au) and silver values (up to 95,969ppb Ag) associated with the quartz veins.

INTRODUCTION

This report details an exploration program conducted on the Tam Property between July 5 to 8, 1995. A total of 18 man days was spent collecting soil and rock samples, prospecting and geological mapping most of the property. The results of this work are reported herein.

LOCATION, ACCESS and PHYSIOGRAPHY

The Tam Property is located in central British Columbia, approximately 165 kilometres south of Vanderhoof. The claims lie between Tommy Lakes and Tsacha Lake about three kilometres north of the West Road (Blackwater)River on NTS map sheets 93 F\2,3 (see Figure 1).

Access from Vanderhoof is via the Kluskus-Ootsa Forest Service Road, south for 160 kilometres and then east on the 8200 road for five kilometres through part of the Naglico Hills. A fire access (all terrain vehicle) road heads east and then south to the northeast corner of the property.

The property is situated on the south and west facing slopes of the Naglico Hills, of the Nechako Plateau. Topography consists of gently rolling northwest oriented hills with elevations ranging from approximately 1,115 metres in the creek valley bisecting the claims to 1,250 metres on the ridge top in the north and eastern part of the property. Outcrop is sparse and limited to hill tops and steep slopes on the property.

Forest cover consists primarily of spruce and pine on the western third of the claims while the eastern part of the property is in a 14 year old burn.

CLAIM INFORMATION

The Tam Property consists of three reduced claims, now totaling 14 units, recorded in the Omineca Mining Division and shown on NTS map sheet 93F/3 (see Figure 2). Claim details are set out below. Expiry dates listed below assumes that current work is accepted for assessment purposes.

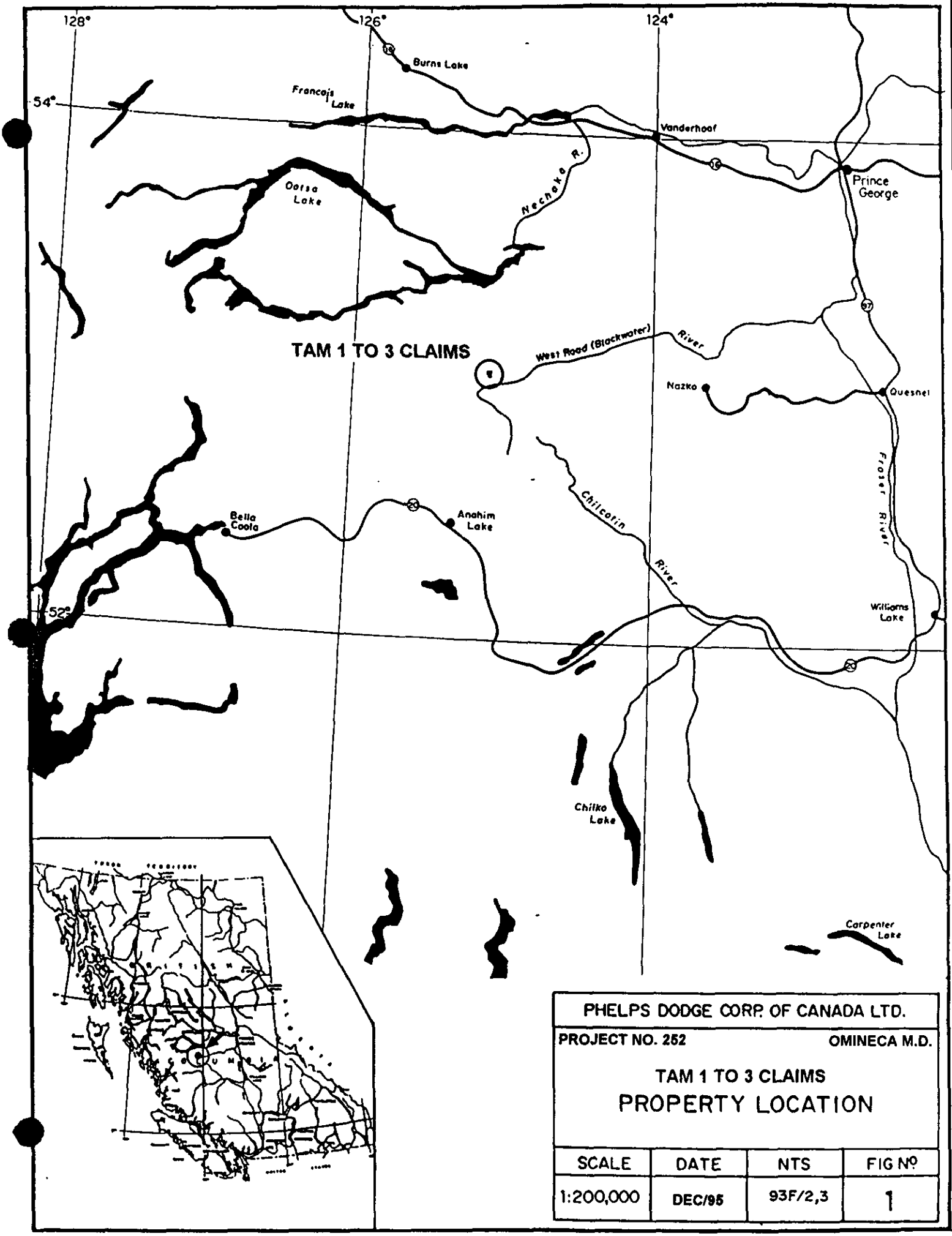
The claims listed below comprise the Tam 95-1 Group under a Notice to Group recorded September 7, 1995.

Table 1

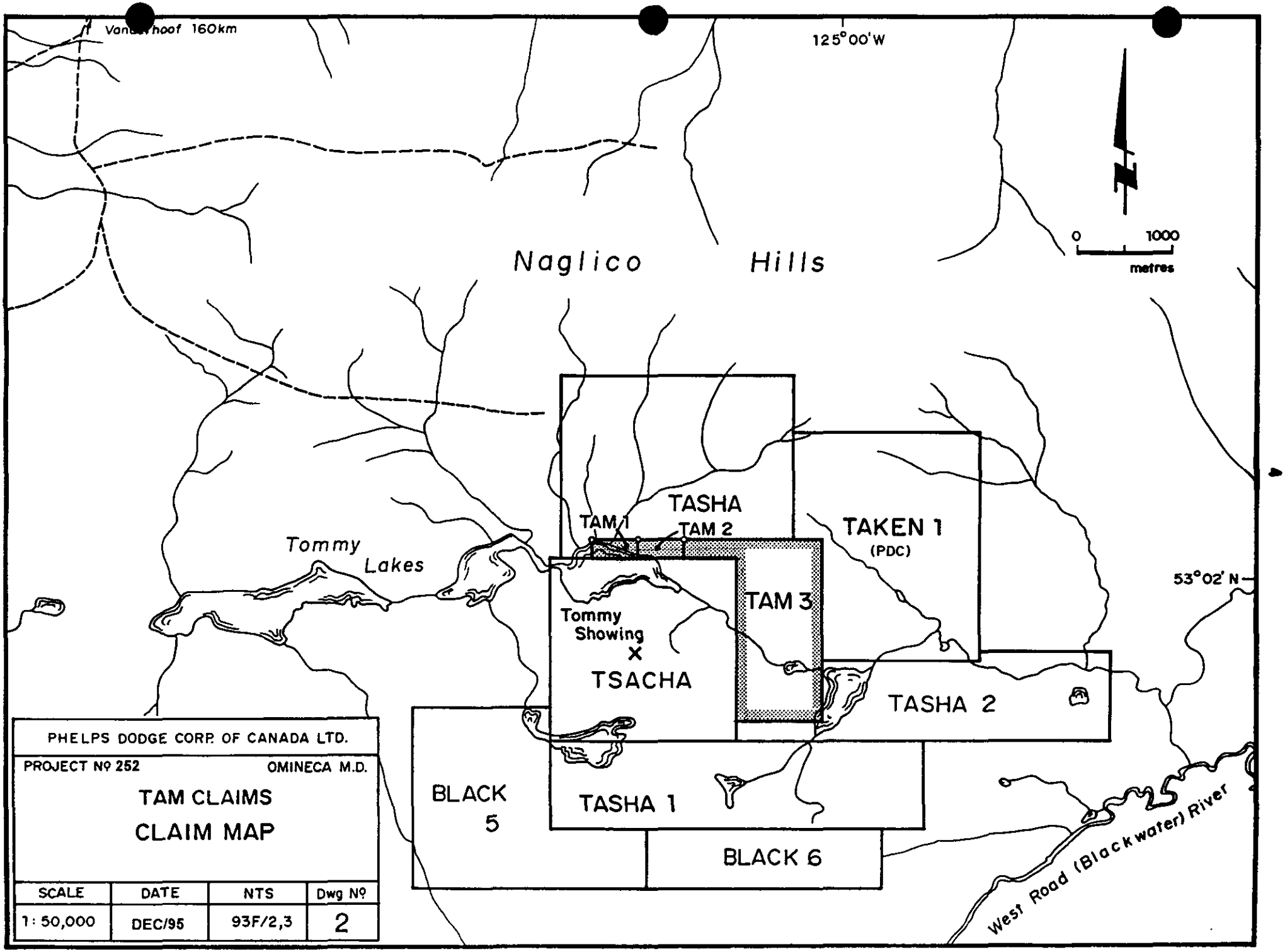
CLAIM NAME	TENURE NO.	EXPIRY DATE	UNITS
Tam-1	331404	Sept. 21, 2000	1
Tam-2	331405	Sept. 21, 2000	1
Tam-3	331406	Sept. 21, 2000	12

HISTORY

The Tam Property was staked by Cogema Resources Inc. in 1994, in response to a Regional Till Geochemical Survey and discovery of the Tommy showing by the B.C. Geological Survey Branch. Cogema conducted limited geological mapping, prospecting and rock sampling during that same year. There is no record of previous exploration work within the claim area.



PHELPS DODGE CORP. OF CANADA LTD.			
PROJECT NO. 252		OMINECA M.D.	
TAM 1 TO 3 CLAIMS PROPERTY LOCATION			
SCALE	DATE	NTS	FIG Nº
1:200,000	DEC/95	93F/2,3	1



PHELPS DODGE CORP. OF CANADA LTD.

PROJECT Nº 252 OMINECA M.D.

TAM CLAIMS
CLAIM MAP

SCALE	DATE	NTS	Dwg Nº
1:50,000	DEC/95	93F/2,3	2

REGIONAL GEOLOGY

The Tam Property is centrally located in the Interior Plateau of British Columbia within the Intermontaine Belt, which consists of late Palaeozoic to late Tertiary sedimentary and volcanic rocks belonging to the Stikinia, Cache Creek and Quesnellia Terranes. The Yalakom and Fraser Fault systems bound the plateau to the northeast and southwest. A third fault has been inferred from oil exploration data to bisect the plateau. The Anahim Volcanic Belt, which crosses the plateau in an east-west direction, is composed of a series of alkaline and peralkaline volcanic centres of Miocene to Quaternary age which become younger from west to east.

The Tam claims lie within the central portion of the Stikine Terrane, which locally consists of three volcanic-stratigraphic groups ranging in age from upper Cretaceous to Miocene. An Eocene extensional tectonic event, which resulted in basin and range type topography, is associated with epithermal, volcanic-hosted gold mineralization.

Mapping in the Fawnie Creek area by B.C. Geological Survey geologists Diakow and Webster in 1993 shows the immediate area of the property to be underlain by middle Jurassic Hazelton Group rhyolite, andesite and basalt flows and lapilli tuff. Hazelton Group rocks are intruded by Eocene? felsite dykes. Regional geology is presented in Figure 3.

PROPERTY GEOLOGY

The Tam Property is underlain by middle Jurassic Hazelton group rhyolite, associated minor pyroclastic rocks and andesite. Intruding these rocks is a felsite dyke see Figure 4.

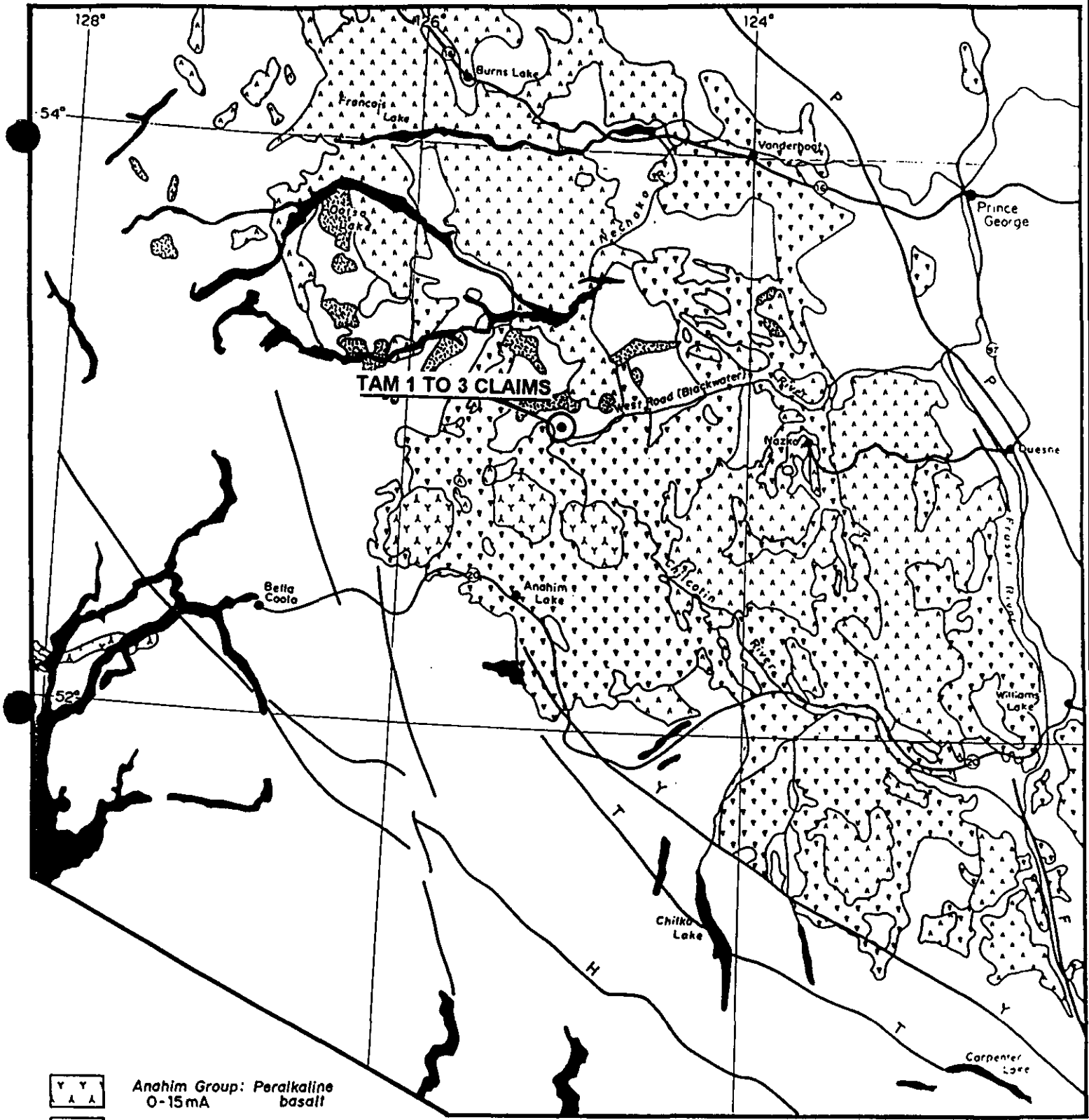
Most of the claim block is underlain by rhyolite which has a northwest-southeast strike and dips to the southwest. Andesite crops out just off the claims to the northeast.

The dominant lithologies underlying the northern, northeastern and eastern part of the claim block is an intercalated sequence of quartz +/- feldspar porphyritic rhyolite and flow banded rhyolite. Porphyritic rhyolite consists of 3 millimetre to 4 millimetre subround to round quartz phenocrysts and weak to moderately argillically altered feldspar phenocrysts set in a maroon, aphanitic matrix. Locally thin interbeds of lapilli tuff consist of subangular to subrounded flow banded rhyolite fragments with minor porphyritic andesite fragments set in a light maroon to cream fine grained matrix.

The southwestern part of the claims is underlain by a thick sequence of massive porphyritic rhyolite. the rock is maroon to tan with rounded quartz and unaltered plagioclase phenocrysts set in a vitreous to subvitreous matrix.

Andesite exposed along the northeastern boundary of the claim block consists of <1 millimetre to 2 millimetre plagioclase phenocrysts set in a greenish grey fine grained matrix. Both matrix and plagioclase phenocrysts exhibit weak to moderate chlorite +/- epidote alteration.

Intruding flow banded rhyolite is a felsite sill exposed in several small outcrops in the east-central part of the claims. The felsite is greenish grey, very fine grained massive rock with < 3% disseminated fine grained biotite phenocrysts throughout. The western boundary of the felsite is in fault contact with the rhyolite.



Anahim Group: Peralkaline basalt 0-15 mA

Chilcotin Group: Backarc alkaline/tholeiite basalt 2-10 mA

Nanika, Quanchus Intrusives: Quartz monzonite, granite 60 mA

Ootsa Group: Calc-alkaline felsic volcanics 35-70 mA

Pre-Tertiary rocks and Coast Intrusions

Fault

H - Harrison
T - Tchaikazan
Y - Yalakom
F - Fraser
P - Pinchi

PHELPS DODGE CORP. OF CANADA LTD.			
PROJECT NO. 252		OMINECA M.D.	
TAM 1 TO 3 CLAIMS			
REGIONAL GEOLOGY			
SCALE	DATE	NTS	FIG Nº
1:200,000	DEC/95	93F/2,3	3

MINERALIZATION

Gold, silver and trace base metal mineralization is hosted in quartz veins located in the southwestern part of the property. The CK showing consists of a series of subcrops and quartz rubble extending in a northwest-southeast direction over some 250 metres. Width of the zone is unknown, however the quartz boulders occupy an area up to 75 metres wide. Quartz vein material is white to light grey and is generally blocky. Locally the quartz material is massive with localized areas exhibiting banding where the central part has a coarse sugary texture which is flanked by massive quartz carbonate with wispy irregular patches of light to dark grey quartz. Locally the quartz is vuggy with well developed quartz crystals lining the cavities. some layering in the veins exhibit a pinkish colour possibly caused by an irregular distribution of hematite. These particular layers take on a chalcedony look to the silica. Angular rhyolite fragments up to 30 centimetres in size are irregularly distributed throughout the quartz veins.

Mineralization within the quartz veins consists of <1% disseminated medium grained pyrite and trace galena with lesser amounts of black wispy sphalerite. Irregular patches and or bands of dark grey silica contain very fine grained wispy concentrations of disseminated sulphides.

The HS showing is located some 400 metres southwest of the CK showing.

The HS showings are a series of well defined quartz veins and quartz stockworks in a weakly altered porphyritic rhyolite host. The largest vein varies from six to ten metres wide and is oriented 160°/vertical. Weak, localized quartz stockwork is developed within the rhyolite host. Quartz veining in the HS showing is massive and competent with only minor fracturing cross cutting the vein structures. Locally the veins have dark grey and locally irregular pinkish banding related to an increase in very fine grained sulphide content and the presence of hematite. Mineralization consists of less than 1% fine to medium grained galena and pyrite.

1995 WORK PROGRAM

The 1995 field program, was carried out during the period July 5 to 8, and focused on confirming the presence of anomalous gold and silver values in quartz veins discovered by Cogema Resources Inc. during 1994 and to further evaluate the vein systems using soil geochemistry along strike of the known occurrences.

A total of 7.85 kilometres of grid lines were established through the west-central part of the claim block with grid lines spaced 200 metres apart. A total of 136 soil samples were collected at 50 metre intervals along the grid lines. Samples were obtained from the "B" horizon, where possible, stored in Kraft paper sample bags, tagged with a unique number and submitted to Acme Analytical Laboratories Ltd. in Vancouver, B.C. for analyses. Each sample was screened and an 80 mesh fraction analyzed for 34 elements by ICP techniques and for gold by geochemical atomic absorption analysis. Field notes detail location, topography, type and colour of material were also collected. Analytical methodology is set out in Appendix 2.

Approximately 2.5 square kilometres was prospected and geologically mapped at a scale of 1:5,000. Property geology is shown in Figure 4. In addition, 22 rock samples were collected

and sent to Acme Analytical Laboratories Ltd. for multi-element analysis. Rock sample locations are shown in Figure 4.

RESULTS

Coincident gold and silver soil geochemical results have aided in defining both the CK and HS showings. Gold values in soils range from 1ppb to 179 ppb with a median value of 2ppb. The northwest-southeast trending gold soil anomalies centered over both the CK and HS showings suggests that the mineralized quartz vein systems remain open to the southeast and in the case of the HS showing to the northwest. Anomalous silver values in soils which range from 42.4ppb to 3802.0ppb are coincident with anomalous gold values. Locally throughout the grid area are one or two sample gold and silver soil anomalies.

Indicator elements such as arsenic, antimony and mercury are not concidered anomalous in association with the vein systems.

General statistical information for gold, silver, arsenic, antimony and mercury is presented in Table 2. Soil geochemical results for gold are presented on Figure 5 and for silver on Figure 6. Analytical results are provided in Appendix 3.

Table 2

ELEMENT	RANGE	ELEVATED	ANOMALOUS
Gold	<1 to 179 ppb	<9 ppb	>10 ppb
Silver	<30 to 3802 ppb	<499 ppb	>500 ppb
Arsenic	0.8 to 35.3 ppm	n/a	n/a
Antimony	0.2 to 2.9 ppm	n/a	n/a
Mercury	10 to 219 ppb	n/a	n/a

A total of 22 rock samples were collected throughout the property with most of the samples collected within the areas of the CK and HS showings. The highest gold value of 6,760 ppb (sample 45693) is from the CK showing and consists of a subcrop grab sample of white to light grey massive quartz with 1% disseminated galena and pyrite, a silver value of 79,345 ppb is reported from this rock. Eleven of the 22 rock samples containing gold and silver values greater than 135 ppb gold and 3,100 ppb silver are from quartz vein material from either the CK or HS showings.

CONCLUSIONS

Rock geochemical results have confirmed the presence of significant concentrations of gold and silver values in quartz vein material from the Tam Property. Soil sampling has proven to be a useful tool in defining vein structures through the use of gold and silver geochemical results.

DISBURSEMENTS

Expenditures on the Tam Property total $10,830 as tabulated below:

		$
Labour		
C. Payne, Geologist	4 days @ $295/day	1,180.00
T. Archibald, Prospector	4 days @ $225/day	900.00
R. Roe, Prospector	2 days @ $225/day	450.00
D. Gagnon, Sampler	2 days @ $225/day	450.00
J. Goodall, Sampler	3 days @ $225/day	675.00
P. Murphy, Cook	3 days @ $225/day	675.00
Accommodation & Board		1,187.00
Geochemical Analyses		
22 rock samples	$19.00/sample	418.00
135 soil samples	$15.50/sample	2,092.50
Truck Rental		375.00
Field Equipment/Consumables		862.00
Radio Rentals		250.00
4trax Rentals		250.00
Report Writing and Drafting		1,065.50
TOTAL		**$10,830.00**

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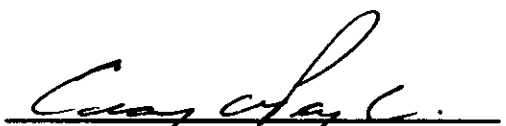

C. W. PAYNE M.Sc., P.Geo
December 20, 1995

REPORT DISTRIBUTION:

Phelps Dodge, Toronto Land File	1
Phelps Dodge, Vancouver	2
B.C. Mining Recorder	2

REFERENCES

Diakow, L.J. and Webster, I.C.L.1994
"Geology of the Fawnie Creek Map Area"; in Geological Fieldwork 1993, Paper 1994-1, British Columbia Geological Survey Branch, 1993.

Diakow, L.J., Webster, I., Levson, V., Giles, T. 1994
"Bedrock and Surficial Geology of the Fawnie Creek Map Area"; Geological Survey Branch Open File 1994-2.

Schimann, K. (1995)
"Geological and Geochemical Survey, Tam Property (Nechako Project), 1994"; Assessment Report for Cogema Resources Inc., January 1995.

CERTIFICATE

STATEMENT OF QUALIFICATIONS

I, Craig W. Payne of Coquitlam, British Columbia do hereby certify that:

1. I am a graduate of Brock University, St. Catharines, Ontario with a Master of Science degree in Geological Sciences, 1979.

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

3.I am a member of the Association of Professional Engineers and Geoscientists of British Columbia.

4.I have practised my profession since 1972.

5. I am a consulting geologist with Crest Geological Consultants Limited.

6. I am the author of the report entitled "Geological and Soil Geochemical Report on the Tam Property, Tam 1 to 3 Claims "; Omineca Mining Division, dated: December 20, 1995.

Dated at Vancouver, B.C. this 20th day of December, 1995.

Respectfully submitted,

Craig W. Payne M.Sc. P. Geo.
Vancouver, B.C.
December 20, 1995

APPENDIX I

ROCK and SOIL SAMPLE DESCRIPTIONS

SAMPLE	TYPE	DESCRIPTION	Au ppb	Ag ppb	Pb ppm	Zn ppm	As ppm	Sb ppm
45685	GRAB	Silica flooded rhyolite, quartz in fractures, trace diss pyrite, galena.	8	30	9.5	18	4.4	0.2
45686	GRAB	Angular, quartz and feld phyric flow banded rhyolite, local silica banding and flooding, trace diss pyrite	5	30	3.3	15.9	4.4	0.2
45687	GRAB	Quartz vein material, trace to 1/2% diss galena & pyrite.	225	3585	27.1	49.7	71.5	0.7
45688	GRAB	Subangular, silica flooded rhyolite, 1/2 -1% diss sulphides.	5	273	16.3	39.7	28.6	1.2
45689	GRAB	Large, angular, quartz-carbonate vein boulder, no visible sulphides. Sample taken 10m west of C/L.	43	684	3.3	3.4	2.4	1
45690	GRAB	Quartz vein, layered, rock has inclusions of host quartz and feld phyric rhyolite, trace diss galena and pyrite (1/2m wide).	379	4486	256.3	481.5	3.6	0.6
45691	GRAB	Feldspar/quartz phyric rhyolite, siliceous, trace diss fine grained pyrite.	11	604	33.6	19.5	30.8	3.2
45692	GRAB	Silica flooded rhyolite with minor chalcedonic veining, feld phyric, trace diss galena and pyrite, also some feldspars are weakly chlorite altered, greenish-yellow colour.	7	623	6.7	20.4	3.1	0.2
45693	GRAB	Subcrop White-grey bull quartz with <1% diss galena and pyrite.	6760	79345	527.7	929.1	6.7	2
45694	GRAB	Subangular silica flooded grey green fine grained volcanic, 1-2% diss fine grained pyrite.	34	404	12.5	84.7	4.1	0.2
45695	GRAB	Massive bull qtz vein, white to grey, local grey coloured sections contain fine sulphides. Quartz vein on NE side of O/C is 6-10m thick with local well developed qtz stockwork in host rhyolite, vein is 160/vertical, fracturing in qtz vein 030/80W	1016	46707	621.5	337.6	22.3	4.8
45696	GRAB	Subcrop, siliceous, tan rhyolite, quartz and feld phenocrysts, trace diss pyrite throughout, weak quartz stockworks, 15m SW of quartz vein	53	1320	32	46.4	26.3	1.9
45697	GRAB	Quartz vein, bull quartz, white to grey with trace diss galena and pyrite	281	36573	305	354.9	14.1	10.8
51578	GRAB	Angular quartz float, trace fine grained galena and pyrite	358	33881	5389	8134.6	34.1	2.8
51579	GRAB	Quartz float with minor galena & pyrite, greenish colour	78	7289	603.8	631.3	53.7	4.7
51580	GRAB	Angular bull quartz with angular 30cm clasts of rhyolite Part is a quartz breccia with brown carbonate infilling Trace galena and pyrite cubes	663	18023	169.9	555.8	17.3	5.9
51581	GRAB	Quartz vein, approx. 1m wide, exposed on surface, white unmineralized bull quartz	786	10810	96.1	281.4	2.4	1.2
51582	GRAB	Quartz vein, unmineralized, approx 1/2m wide, exposed, mixed in places with rhyolite fragments	342	7811	51.3	96.8	0.5	0.7
51583	GRAB	Quartz carbonate boulder, unmineralized.	26	1991	11.5	21.1	0.5	3.8
51584	GRAB	Rhyolite with trace disseminated pyrite.	35	647	13.8	39.3	5.8	0.9
51585	GRAB	Rhyolite with trace disseminated tarnished pyrite	147	3109	180.1	74.3	145.4	1.9
51586	GRAB	Quartz vein, 1m wide, not well exposed, 150/55 NE, mostly barren, trace diss pyrite & asp(?)	564	95969	455.5	1003.6	109.8	5.1

SAMPLE NO.	GRID NORTH	GRID EAST	TYPE	MATERIAL	HORIZON	REMARKS	Au ppb	Ag ppb	As ppm	Sb ppm	Hg ppb
52901	10200	9500	SOIL	TILL	B	OUTCROP.	7	433	35.3	2.9	121
52902	10200	9550	SOIL	TILL	B		3	127	1.5	0.2	54
52903	10200	9600	SOIL	TILL	B		1	148	4.6	0.3	78
52904	10200	9650	SOIL	TILL	B		1	215	6.2	0.2	83
52905	10200	9700	SOIL	TILL	B		1	32	4.7	0.2	74
52906	10200	9750	SOIL	TILL	B		1	127	1.9	0.2	73
52907	10200	9800	SOIL	TILL	B		3	341	4.8	0.2	70
52908	10200	9850	SOIL	TILL	B		3	649	19.8	0.5	58
52909	10200	9900	SOIL	TILL	B		83	425	6.1	0.2	67
52910	10200	9950	SOIL	TILL	B		1	234	6.1	0.2	51
52911	10200	10000	SOIL	TILL	B		3	143	5.9	0.2	53
52912	10200	10050	SOIL	TILL	B		5	210	3.1	0.2	80
52913	10200	10100	SOIL	TILL	B		2	142	2.7	0.2	100
52914	10200	10150	SOIL	TILL	B		1	231	3.3	0.2	94
52915	10200	10200	SOIL	TILL	B		2	103	1.8	0.2	45
52916	10200	10250	SOIL	TILL	B		4	42	2.9	0.2	31
52917	10200	10300	SOIL	TILL	B		1	37	4.5	0.2	13
52918	10200	10350	SOIL	TILL	B	LAKE 103+80E. SAMPLE 15M SW.	1	63	4.8	0.2	77
52761	10400	9600	SOIL	TILL	B		14	104	1.4	0.2	70
52762	10400	9650	SOIL	TILL	B		1	126	4.3	0.2	89
52763	10400	9700	SOIL	TILL	B		2	125	3.2	0.2	93
52764	10400	9750	SOIL	TILL	B		2	148	4.9	0.2	101
52765	10400	9800	SOIL	TILL	B		5	111	0.9	0.2	69
52766	10400	9850	SOIL	TILL	B	SAMPLE IS 15 M SOUTH OF LINE.	18	204	25.5	0.3	81
52767	10400	9900	SOIL	TILL	B	SAMPLE IS 15 M SOUTH OF LINE.	85	3802	30.1	1.2	219
52768	10400	9950	SOIL	TILL	B		1	104	5.2	0.2	84
52769	10400	10000	SOIL	TILL	B		7	351	5.5	0.2	116
52776	10400	10050	SOIL	TILL	B		1	30	2.4	0.2	56
52775	10400	10100	SOIL	TILL	B		2	41	4.3	0.2	66
52774	10400	10150	SOIL	TILL	B		1	30	4.4	0.2	87
52773	10400	10200	SOIL	TILL	B		2	157	6	0.2	122
52772	10400	10250	SOIL	TILL	B	SAMPLE TAKEN 20M EAST OF STN.	10	203	4.4	0.2	106
52771	10400	10300	SOIL	TILL	B	N/S AT 10350, 10400, 10450-SWAMP.	14	171	5.7	0.2	110
52770	10400	10500	SOIL	TILL	B	GRAVEL.	6	146	4.3	0.3	85
52743	10600	9600	SOIL	TILL	B		68	307	7.8	0.3	34

SAMPLE NO.	NORTH	EAST	TYPE	MATERIAL	HORIZON	REMARKS	Au ppb	Ag ppb	As ppm	Sb ppm	Hg ppb
52744	10600	9650	SOIL	TILL	B		9	221	4.2	0.3	59
52745	10600	9700	SOIL	TILL	B		1	51	2.7	0.2	57
52746	10600	9750	SOIL	TILL	B		4	98	4.6	0.2	61
52747	10600	9800	SOIL	TILL	B		8	70	1.9	0.2	34
52748	10600	9850	SOIL	TILL	B		59	78	1.7	0.2	42
52749	10600	9900	SOIL	TILL	B		1	48	2.6	0.2	27
52750	10600	9950	SOIL	TILL	B		3	58	3.7	0.2	40
52751	10600	10000	SOIL	TILL	B		1	76	5.2	0.2	37
52752	10600	10050	SOIL	TILL	B		1	176	7.5	0.2	45
52753	10600	10100	SOIL	TILL	B		1	121	9.4	0.2	46
52754	10600	10200	SOIL	TILL	B	N/S AT 10150-BOG.	1	154	3.2	0.2	70
52760	10600	10250	SOIL	TILL	B		179	2902	17.8	0.3	135
52759	10600	10300	SOIL	TILL	B		40	376	3.4	0.2	117
52758	10600	10350	SOIL	TILL	B		2	126	1.6	0.2	57
52757	10600	10400	SOIL	TILL	B		1	68	2	0.2	38
52756	10600	10450	SOIL	TILL	B		24	147	2.7	0.2	58
52755	10600	10500	SOIL	TILL	B		1	111	1.8	0.2	65
52701	10800	10000	SOIL	TILL	B		2	31	4.2	0.2	42
52702	10800	10050	SOIL	TILL	B		2	58	2.9	0.4	27
52703	10800	10100	SOIL	TILL	B		4	137	4	0.3	61
52704	10800	10150	SOIL	TILL	B		20	120	1.4	0.2	73
52705	10800	10200	SOIL	TILL	B	CREEK AT 101+83.	2	76	2	0.2	42
52721	10800	10250	SOIL	TILL	B		2	94	3.4	0.3	25
52720	10800	10300	SOIL	TILL	B		2	49	1.6	0.2	17
52719	10800	10350	SOIL	TILL	B		1	129	3.3	0.3	42
52718	10800	10400	SOIL	TILL	B		2	133	5.5	0.3	40
52717	10800	10450	SOIL	TILL	B		1	164	2	0.2	48
52716	10800	10500	SOIL	TILL	B		1	79	3.3	0.2	30
52715	10800	10550	SOIL	TILL	B		4	30	5	0.2	27
52714	10800	10600	SOIL	TILL	B		3	82	3.8	0.4	37
52713	10800	10650	SOIL	TILL	B		7	77	6	0.3	34
52712	10800	10700	SOIL	TILL	B		2	44	4.5	0.4	10
52711	10800	10750	SOIL	TILL	B		2	76	3.2	0.3	25
52710	10800	10800	SOIL	TILL	B		6	74	4.2	0.4	26
52709	10800	10850	SOIL	TILL	B		2	145	2.2	0.3	30
52708	10800	10900	SOIL	TILL	B		2	196	7.8	1.6	50

SAMPLE NO.	NORTH	EAST	TYPE	MATERIAL	HORIZON	REMARKS	Au ppb	Ag ppb	As ppm	Sb ppm	Hg ppb
52707	10800	10950	SOIL	TILL	B	OUTCROP.	2	306	2.8	1	55
52706	10800	11000	SOIL	TILL	B	OUTCROP.	4	419	5.2	0.6	72
52722	11000	10000	SOIL	TILL	B		1	30	5.6	0.2	30
52723	11000	10050	SOIL	TILL	B	CREEK.	1	66	2.3	0.2	48
52742	11000	10100	SOIL	TILL	B		1	54	2.1	0.2	33
52741	11000	10150	SOIL	TILL	B		2	66	3.2	0.2	35
52740	11000	10200	SOIL	TILL	B		1	66	1.5	0.2	35
52739	11000	10250	SOIL	TILL	B		1	71	2	0.2	41
52738	11000	10300	SOIL	TILL	B		1	30	2.3	0.2	23
52737	11000	10350	SOIL	TILL	B		1	43	2.1	0.2	41
52736	11000	10400	SOIL	TILL	B		1	60	2.1	0.2	42
52735	11000	10450	SOIL	TILL	B		1	70	1.7	0.2	32
52734	11000	10500	SOIL	TILL	B		16	58	1.5	0.2	28
52733	11000	10550	SOIL	TILL	B	SANDY.	1	41	2	0.2	26
52732	11000	10600	SOIL	TILL	B		1	69	3.4	0.2	40
52731	11000	10650	SOIL	TILL	B		1	58	1	0.2	36
52730	11000	10700	SOIL	TILL	B		1	55	3.2	0.2	29
52729	11000	10750	SOIL	TILL	B		1	67	1.6	0.2	64
52728	11000	10800	SOIL	TILL	B		1	121	0.8	0.2	41
52727	11000	10850	SOIL	TILL	B		2	165	1.9	0.2	45
52726	11000	10900	SOIL	TILL	B		2	71	2.7	0.2	69
52725	11000	10950	SOIL	TILL	B	ROCKY.	3	94	1.6	0.2	51
52724	11000	11000	SOIL	TILL	B		2	54	2.1	0.2	32
45664	11200	10000	SOIL	TILL	B	GOOD B HORIZON.	3	30	4.2	0.2	40
45665	11200	10050	SOIL	TILL	B	CREEK BED.	2	69	4.8	0.2	58
45684	11200	10100	SOIL	TILL	B	GOOD B HORIZON.	2	343	4.7	0.2	56
45683	11200	10150	SOIL	TILL	B	GOOD B HORIZON.	3	53	3.7	0.2	54
45682	11200	10200	SOIL	TILL	B	CLAY.	1	158	3.5	0.2	47
45681	11200	10250	SOIL	TILL	B	GOOD B HORIZON.	2	278	4.2	0.4	63
45680	11200	10300	SOIL	TILL	B	QUARTZ VEIN FLOAT.	1	186	3.1	0.2	39
45679	11200	10350	SOIL	TILL	B	ROCKY SOIL.	3	55	2	0.2	41
45678	11200	10400	SOIL	TILL	B	SILTY SOIL.	4	51	3.1	0.2	35
45677	11200	10450	SOIL	TILL	B		1	51	3.3	0.2	33
45676	11200	10500	SOIL	TILL	B	ROCKY SOIL.	2	92	3	0.3	55
45675	11200	10550	SOIL	TILL	B	POOR SOIL	2	30	1.8	0.2	34
45674	11200	10600	SOIL	TILL	B	POOR SOIL, ROCKY.	2	43	2.4	0.2	20

SAMPLE NO.	NORTH	EAST	TYPE	MATERIAL	HORIZON	REMARKS	Au ppb	Ag ppb	As ppm	Sb ppm	Hg ppb
45673	11200	10650	SOIL	TILL	B	POOR SOIL.	1	62	1.9	0.2	45
45672	11200	10700	SOIL	TILL	B	POOR SOIL, ROCKY.	15	259	3	0.2	73
45671	11200	10750	SOIL	TILL	B	POOR SOIL, ROCKY.	9	442	11.6	0.7	93
45670	11200	10800	SOIL	TILL	B	POOR SOIL, ROCKY.	1	30	2.2	0.2	48
45669	11200	10850	SOIL	TILL	B	POOR SOIL, S/C RHYOLITE.	1	30	2.5	0.2	77
45668	11200	10900	SOIL	TILL	B	ROCKY SOIL. UPROOTED TREE.	1	66	5.1	0.5	24
45667	11200	10950	SOIL	TILL	B	POOR SOIL,BURNED,O/C AS AT 109+75E.	7	155	4.8	0.3	94
45666	11200	11000	SOIL	TILL	B	ANG FLOAT RHY FLOW BX.	1	56	1.9	0.2	33
51557	11400	10000	SOIL	TILL	B	FROM HIGH GROUND IN SWAMP.	3	154	6.8	0.2	212
51558	11400	10050	SOIL	TILL	B		2	128	3	0.2	44
51559	11400	10100	SOIL	TILL	B		2	52	6	0.2	52
51560	11400	10150	SOIL	TILL	B		10	121	3	0.3	45
51561	11400	10200	SOIL	TILL	B		1	148	1.3	0.2	53
51562	11400	10250	SOIL	TILL	B		18	108	3.4	0.2	24
51563	11400	10300	SOIL	TILL	B		4	81	3.2	0.2	46
51564	11400	10350	SOIL	TILL	B		6	181	2.5	0.2	46
51565	11400	10400	SOIL	TILL	B		2	180	1.9	0.2	25
51566	11400	10450	SOIL	TILL	B		1	92	4.2	0.3	24
51567	11400	10500	SOIL	TILL	B		5	144	3.8	0.4	26
51568	11400	10550	SOIL	TILL	B		1	138	2.4	0.4	21
51569	11400	10600	SOIL	TILL	B		5	61	3.1	0.3	49
51570	11400	10650	SOIL	TILL	B	POSSIBLE O/C.	3	30	3.6	0.3	31
51571	11400	10700	SOIL	TILL	B		2	30	4.5	0.4	39
51572	11400	10750	SOIL	TILL	B		3	30	2.6	0.4	27
51573	11400	10800	SOIL	TILL	B		1	30	2.2	0.2	42
51574	11400	10850	SOIL	TILL	B		2	30	2.4	0.2	34
51575	11400	10900	SOIL	TILL	B		2	91	4	0.3	45
51576	11400	10950	SOIL	TILL	B		2	441	4.6	0.4	65
51577	11400	11000	SOIL	TILL	B		3	141	6.7	0.3	43

APPENDIX 2

Analytical Method

ICP: A 30 gram sample is digested with 180 millilitres 3-1-2 HCl-HNO_3-H_2O at 95° Centigrade for one hour and is diluted to 100 millilitres with water. This leach is partial for Mn, Fe, Sr, Ca, P, La, Cr, Mg, Ba, Ti, B, W and limited for Na, K, Ga and Al. Solution is analysed directly by ICP. Mo, Cu, Pb, Zn, Ag, As, Au, Cd, Sb, Bi, Tl, Hg, Se,Te and Ga are extracted with MIBK-aliquat 336 and analysed by ICP.

Au^+: Gold is extracted by aqua-regia/MIBK extract, GF/AA finished.

APPENDIX 3

GEOCHEMICAL ANALYSES

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

GEOCHEMICAL EXTRACTION-ANALYSIS CERTIFICATE

Phelps Dodge Corp. PROJECT 252 TAM File # 95-2287

1409 - 409 Granville St., Vancouver BC V6T 1T2 Submitted by: Geoff Goodall

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
45685	1.6	3.5	9.5	18.0	<30	4	2	432	.88	4.4	<5	4	6	.17	<.2	.1	8	.11	.022	11	9	.03	52	<.01	4	.32	.03	.18	2	<.1	5	1.2	<.1	<.5	8
45686	1.5	4.6	3.3	15.9	<30	3	2	392	1.20	4.4	<5	5	6	.12	.2	.1	14	.13	.023	18	4	.03	50	<.01	2	.30	.02	.20	<2	<.1	10	<.3	<.1	<.5	5
45687	3.1	8.6	27.1	49.7	3585	5	2	359	.87	71.5	5	3	5	.87	.7	<.1	2	.13	.017	11	9	.03	58	<.01	2	.19	.01	.16	<2	.1	11	<.3	<.1	<.5	225
45688	4.1	16.3	16.3	39.7	273	5	3	476	1.35	28.6	10	5	8	.16	1.2	<.1	5	.26	.022	14	15	.03	80	<.01	<2	.24	.03	.15	2	.2	7	.9	.2	1.2	5
45689	.9	3.1	3.3	3.4	684	4	1	1387	.21	2.4	<5	<1	59	.17	1.0	.1	<1	13.56	<.002	1	3	.03	3	<.01	2	.02	<.01	.01	<2	.1	<5	<.3	.3	<.5	43
45690	1.6	5.7	256.3	481.5	4486	5	1	1268	.31	3.6	5	<1	23	2.89	.6	.1	<1	4.45	.003	2	12	.02	8	<.01	4	.02	<.01	.01	<2	<.1	171	.7	<.1	<.5	379
RE 45690	1.4	5.6	245.1	468.5	4439	5	1	1253	.28	5.5	7	<1	22	2.79	1.1	.1	1	4.30	.003	2	8	.02	8	<.01	<2	.02	<.01	.01	<2	.3	187	.9	<.1	.6	406
RRE 45690	1.7	6.3	282.1	534.9	5066	5	1	1280	.33	4.1	<5	<1	23	3.31	1.0	.1	1	4.49	.003	3	14	.02	9	<.01	4	.02	<.01	.01	<2	<.1	214	1.3	.1	<.5	569
45691	2.3	31.1	33.6	19.5	604	4	1	158	.78	30.8	<5	3	6	.08	3.2	.2	1	.29	.018	12	8	.01	55	<.01	2	.29	.01	.22	<2	<.1	18	.3	.1	<.5	11
45692	1.8	2.9	6.7	20.4	623	4	1	874	.94	3.1	10	4	15	.13	<.2	<.1	10	1.59	.017	10	9	.06	110	<.01	2	.19	.01	.16	<2	<.1	10	<.3	<.1	<.5	7
45693	1.5	15.4	527.7	929.1	79345	5	1	3406	.32	6.7	<5	<1	20	4.98	2.0	<.1	2	5.00	.003	4	14	.02	48	<.01	4	.04	<.01	.03	2	.1	231	4.5	<.1	<.5	6760
45694	3.4	5.8	12.5	84.7	404	3	<1	620	1.77	4.1	<5	<1	23	.21	.2	.1	8	.35	.057	10	8	.42	64	.14	<2	.65	.06	.12	<2	<.1	25	.6	.4	4.2	34
45695	3.0	53.4	621.5	337.6	46707	6	1	1479	.68	22.3	<5	<1	13	2.58	4.8	.2	3	1.17	.003	4	7	.31	30	<.01	<2	.04	<.01	.02	2	.1	186	3.4	<.1	<.5	1016
45696	1.7	15.1	32.0	46.4	1320	5	3	289	1.14	26.3	6	3	11	.18	1.9	.1	3	.11	.019	12	10	.02	158	<.01	3	.23	.02	.15	<2	.1	35	<.3	.1	<.5	53
45697	3.6	45.3	305.0	354.9	36573	9	1	539	.61	14.1	12	1	4	2.97	10.8	<.1	4	.58	.003	1	15	.01	52	<.01	<2	.06	<.01	.02	3	.2	126	2.0	.2	<.5	281
51578	2.1	50.9	5389.0	8134.6	33881	5	2	1484	.58	34.1	<5	<1	24	33.70	2.8	.1	2	3.78	.010	4	8	.06	39	<.01	2	.07	<.01	.06	<2	1.6	1363	8.8	<.1	.5	358
51579	2.9	178.4	603.8	631.3	7289	8	3	986	1.07	53.7	6	2	4	4.54	4.7	.1	5	.38	.011	6	18	.01	46	<.01	3	.14	<.01	.13	3	.1	136	1.5	<.1	<.5	78
RE 51579	3.0	186.3	606.6	634.3	7844	8	3	1019	1.11	56.5	8	2	5	4.49	4.9	<.1	5	.38	.012	6	13	.01	48	<.01	3	.14	<.01	.13	3	.2	122	1.5	<.1	<.5	74
RRE 51579	2.2	176.6	578.4	589.0	6534	6	3	1026	1.02	56.7	<5	<1	4	3.66	4.6	.1	5	.34	.012	6	9	.01	45	<.01	<2	.12	<.01	.10	2	.1	119	1.3	<.1	<.5	70
51580	2.1	36.5	169.9	555.8	18023	7	7	6168	3.24	17.3	<5	<1	178	5.29	5.9	.1	11	11.47	.006	19	15	2.76	560	<.01	<2	.06	<.01	.05	<2	<.1	89	.8	<.1	<.5	663
51581	1.3	16.1	96.1	281.4	10810	5	1	2839	.38	2.4	<5	<1	57	1.90	1.2	.1	1	7.28	<.002	2	10	.04	25	<.01	<2	.01	<.01	.01	<2	<.1	112	2.4	<.1	<.5	786
51582	1.9	5.8	51.3	96.8	7811	6	<1	1947	.33	<.5	<5	<1	39	.75	.7	.1	1	7.66	.004	3	8	.03	25	<.01	<2	.02	<.01	.01	2	.1	24	.5	.3	.5	342
51583	1.7	4.2	11.5	21.1	1991	5	<1	1227	.24	<.5	<5	<1	101	.24	3.8	.1	<1	7.39	.002	<1	2	.03	26	<.01	<2	.01	<.01	<.01	<2	<.1	19	<.3	.1	.8	26
51584	1.7	9.6	13.8	39.3	647	5	3	767	1.32	5.8	5	5	19	.45	.9	.1	7	1.66	.020	11	12	.07	117	<.01	3	.24	.01	.21	<2	<.1	16	<.3	<.1	.9	35
51585	5.5	11.7	180.1	74.3	3109	3	3	286	1.57	145.4	13	6	7	.60	1.9	.1	2	.17	.020	11	6	.01	68	<.01	4	.22	<.01	.19	<2	.1	28	<.3	.3	.9	147
51586	2.5	291.7	455.5	1003.6	95969	6	1	1125	.65	109.8	<5	<1	12	4.84	5.1	<.1	2	3.01	.002	1	9	.02	7	<.01	7	.03	<.01	.02	<2	<.1	461	2.1	<.1	<.5	564
STANDARD D/AU-R	22.8	120.5	90.4	274.9	1857	26	16	975	4.23	81.2	15	19	60	2.24	10.0	21.1	71	.75	.088	19	57	1.22	231	.15	24	2.43	.08	.76	18	1.9	457	1.1	2.4	6.7	512

ICP - 30 GRAM SAMPLE IS DIGESTED WITH 180 ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 100 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K GA AND AL. SOLUTION ANALYSED DIRECTLY BY ICP. MO CU PB ZN AG AS AU CD SB BI TL HG SE TE AND GA ARE EXTRACTED WITH MIBK-ALIQUAT 336 AND ANALYSED BY ICP. ELEVATED DETECTION LIMITS FOR SAMPLES CONTAIN CU,PB,ZN,AS>1500 PPM,Fe>20%.
- SAMPLE TYPE: ROCK AU+ - AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 12 1995 **DATE REPORT MAILED:** July 21/95 **SIGNED BY**.....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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

GEOCHEMICAL EXTRACTION-ANALYSIS CERTIFICATE

Phelps Dodge Corp. PROJECT 252 File # 95-2289 Page 1

1409 - 409 Granville St., Vancouver BC V6T 1T2 Submitted by: Geoff Goodall

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
45664	.8	7.8	9.1	81.1	<30	11	6	534	3.14	4.2	<5	<1	22	.12	<.2	<.1	64	.26	.110	9	18	.23	136	.36	<2	1.78	.02	.06	2	<.1	40	<.3	<.1	5.8	3
45665	1.2	10.1	8.5	66.5	69	9	7	845	3.12	4.8	<5	1	60	.14	.2	.1	63	.98	.098	17	20	.34	133	.38	<2	1.36	.05	.06	<2	<.1	58	.4	<.1	4.9	2
45666	.9	6.3	7.3	95.6	56	7	6	882	2.58	1.9	<5	<1	24	.25	<.2	<.1	59	.37	.058	7	3	.19	174	.27	<2	1.08	.02	.09	<2	<.1	33	<.3	<.1	3.8	1
45667	1.7	40.6	14.0	365.6	155	12	21	1817	6.45	4.8	5	2	25	1.36	.3	.1	113	.65	.113	16	23	.39	988	.10	4	1.76	.02	.15	2	<.1	94	<.3	.1	5.0	7
45668	.8	18.2	8.3	87.0	66	9	8	402	3.85	5.1	<5	1	16	.20	.5	.1	86	.24	.034	12	17	.32	155	.35	<2	2.01	.02	.11	<2	.1	24	<.3	.2	5.6	1
45669	1.8	13.5	7.8	267.9	<30	9	16	2210	3.44	2.5	<5	1	33	.58	<.2	.1	68	.41	.095	14	19	.51	667	.22	4	1.85	.02	.11	<2	<.1	77	<.3	<.1	5.5	1
45670	.9	8.4	9.5	96.9	<30	8	5	419	3.01	2.2	<5	<1	24	.20	<.2	.1	68	.34	.070	9	11	.22	186	.34	<2	1.31	.03	.08	<2	<.1	48	<.3	<.1	4.1	1
45671	3.7	78.0	15.2	325.1	442	10	13	3232	5.98	11.6	<5	3	28	2.17	.7	.2	88	.48	.061	35	31	.24	1074	.08	<2	2.09	.01	.16	<2	.2	93	<.3	.1	6.4	9
45672	1.0	15.8	9.3	132.1	259	10	8	573	3.57	3.0	<5	2	47	.43	.2	<.1	68	.64	.052	19	23	.48	303	.36	10	2.08	.02	.15	<2	<.1	73	<.3	.1	5.8	15
RE 45672	.8	14.1	10.8	121.1	260	9	7	509	3.22	2.3	<5	1	44	.39	.2	.1	61	.59	.048	17	20	.43	282	.33	7	1.92	.02	.13	<2	<.1	66	<.3	<.1	5.5	3
45673	.9	8.9	13.1	99.8	62	7	5	678	2.40	1.9	<5	1	29	.17	.2	.1	51	.41	.034	17	13	.25	165	.27	3	1.32	.02	.08	<2	.1	45	<.3	<.1	3.6	1
45674	.6	8.7	9.1	56.1	43	7	3	245	2.55	2.4	<5	<1	25	.08	.2	.1	59	.35	.036	12	14	.25	110	.36	<2	1.07	.03	.06	<2	<.1	20	<.3	<.1	3.6	2
45675	1.0	6.2	7.5	135.1	<30	9	6	654	3.18	1.8	<5	1	16	.19	<.2	.1	73	.24	.123	7	20	.22	190	.33	21	1.37	.02	.07	<2	<.1	34	<.3	<.1	4.7	2
45676	.9	13.3	12.7	117.5	92	9	5	645	2.92	3.0	<5	1	32	.17	.3	.1	62	.44	.036	21	13	.29	224	.30	<2	1.52	.02	.09	<2	<.1	55	<.3	.1	4.2	2
45677	.9	9.3	7.7	126.9	51	11	7	556	3.79	3.3	<5	1	27	.16	.2	.1	86	.37	.067	12	20	.31	186	.38	3	1.52	.02	.10	<2	<.1	33	<.3	<.1	5.2	<1
45678	.8	9.4	8.1	90.6	51	9	6	421	3.30	3.1	<5	1	24	.13	<.2	.1	70	.32	.070	9	17	.28	200	.34	3	1.45	.02	.09	<2	<.1	35	<.3	.1	4.7	4
45679	1.2	9.4	11.3	165.2	55	10	7	1069	3.30	2.0	<5	1	25	.24	<.2	.1	63	.38	.096	12	20	.29	265	.28	5	1.80	.03	.15	<2	<.1	41	<.3	<.1	4.9	3
45680	.7	13.5	11.5	99.3	186	11	6	408	3.58	3.1	<5	<1	37	.14	<.2	.1	62	.54	.071	16	24	.34	200	.39	18	2.22	.04	.09	<2	.1	39	<.3	.1	6.4	1
45681	.8	16.4	14.3	80.8	278	11	5	702	3.39	4.2	<5	1	44	.16	.4	.1	62	.66	.037	19	21	.34	161	.38	<2	1.91	.04	.12	<2	.1	63	<.3	.2	5.3	2
45682	.7	14.3	14.2	73.4	158	9	6	657	3.38	3.5	<5	1	42	.15	.2	.1	59	.59	.032	16	22	.34	128	.38	<2	1.92	.05	.11	<2	.1	47	<.3	<.1	5.0	1
45683	1.0	8.9	11.7	91.5	53	14	7	359	3.53	3.7	<5	1	33	.13	<.2	.2	68	.42	.158	12	19	.27	118	.38	<2	2.51	.03	.08	<2	.1	54	<.3	.1	7.5	3
45684	1.8	9.4	20.8	88.4	343	13	8	437	3.99	4.7	<5	1	27	.18	.2	.2	82	.34	.088	9	21	.29	111	.38	<2	2.18	.02	.08	2	<.1	56	<.3	.1	7.2	2
51557	1.5	20.0	15.4	403.5	154	11	17	632	4.49	6.8	<5	1	110	.57	<.2	.2	61	1.52	1.299	11	36	.45	812	.13	14	2.95	.02	.11	<2	<.1	212	.3	.1	6.7	3
51558	.8	20.4	12.0	56.4	128	11	8	582	3.78	3.0	<5	1	48	.12	.2	.1	67	.71	.036	24	26	.42	163	.39	<2	1.70	.06	.10	<2	<.1	44	<.3	.1	5.0	2
51559	.9	11.5	9.3	62.9	52	11	8	376	3.78	6.0	<5	1	42	.09	.2	.2	73	.67	.108	16	15	.39	97	.38	<2	1.86	.05	.10	<2	<.1	52	<.3	<.1	5.8	2
51560	1.1	11.7	9.5	78.2	121	12	9	663	4.14	3.0	<5	2	35	.13	.3	.1	84	.51	.081	15	24	.38	185	.38	17	1.73	.04	.16	<2	.1	45	<.3	.2	5.4	10
51561	.9	12.0	11.1	74.9	148	9	7	754	3.47	1.3	<5	1	36	.15	.2	.2	61	.53	.050	14	23	.30	231	.37	9	1.92	.04	.13	<2	.1	53	<.3	.2	5.9	1
51562	.9	9.4	8.2	105.0	108	11	7	536	3.52	3.4	<5	<1	25	.16	<.2	.2	74	.35	.093	12	20	.30	176	.35	2	1.77	.03	.09	<2	<.1	24	<.3	.1	5.6	18
51563	1.1	8.8	10.1	121.3	81	11	8	804	3.76	3.2	<5	1	31	.17	.2	.1	77	.45	.156	11	32	.32	275	.28	3	1.64	.02	.10	<2	<.1	46	<.3	.1	4.6	4
51564	1.0	11.7	9.6	142.6	181	10	7	846	3.52	2.5	<5	<1	32	.28	.2	.1	71	.48	.082	13	20	.31	267	.31	<2	1.62	.03	.13	<2	.1	46	<.3	.1	4.6	6
51565	.9	8.0	9.3	138.3	180	10	6	410	3.24	1.9	<5	<1	27	.27	<.2	.1	72	.32	.057	8	15	.25	172	.35	<2	1.48	.03	.08	<2	<.1	25	<.3	.1	4.7	2
51566	.8	8.7	7.4	77.2	92	10	8	354	3.85	4.2	<5	1	31	.15	.3	.1	85	.34	.106	9	21	.31	187	.35	5	1.44	.03	.10	<2	<.1	24	<.3	.1	4.5	1
51567	.8	12.4	8.7	105.9	144	10	8	284	3.81	3.8	<5	2	34	.21	.4	.1	78	.45	.105	12	21	.31	199	.25	8	1.37	.03	.16	<2	.1	26	<.3	.1	3.7	5
51568	.6	9.5	9.8	69.4	138	6	3	333	2.77	2.4	<5	2	23	.10	.4	.2	65	.32	.028	14	19	.26	120	.33	4	1.01	.03	.09	<2	.1	21	<.3	.1	3.5	1
STANDARD	22.8	123.8	84.0	261.8	1826	28	16	1009	4.45	74.7	18	20	58	2.25	9.7	23.3	63	.71	.090	18	54	1.15	249	.14	29	2.32	.08	.75	20	2.3	451	1.1	2.1	6.2	54

Standard is STANDARD D/AU-R.

ICP - 15 GRAM SAMPLE IS DIGESTED WITH 90 ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 100 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K GA AND AL. SOLUTION ANALYSED DIRECTLY BY ICP. MO CU PB ZN AG AS AU CD SB BI TL HG SE TE AND GA ARE EXTRACTED WITH MIBK-ALIQUAT 336 AND ANALYSED BY ICP. ELEVATED DETECTION LIMITS FOR SAMPLES CONTAIN CU,PB,ZN,AS>1500 PPM,Fe>20%.

- SAMPLE TYPE: SOIL AU+ - AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 12 1995 **DATE REPORT MAILED:** July 25/95 **SIGNED BY** .....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
51569	.6	7.2	8.3	86.9	61	8	4	459	2.62	3.1	<5	<1	27	.11	.3	<.1	56	.32	.036	11	13	.26	132	.36	<2	1.32	.03	.07	<2	.1	49	<.3	<.1	5.1	5
51570	.7	8.5	10.8	53.0	<30	6	4	524	2.96	3.6	<5	1	25	.08	.3	.1	63	.26	.022	14	16	.25	128	.36	<2	1.30	.02	.08	<2	<.1	31	<.3	<.1	4.5	3
51571	.9	10.3	8.0	80.2	<30	11	7	300	3.94	4.5	<5	2	21	.09	.4	<.1	82	.25	.041	10	19	.32	128	.39	2	2.18	.02	.09	<2	.1	39	.3	<.1	7.4	2
51572	.8	9.1	9.3	78.6	<30	11	7	342	3.62	2.6	<5	<1	23	.10	.4	<.1	76	.29	.045	11	24	.30	140	.41	<2	2.00	.02	.09	<2	.1	27	<.3	.1	6.9	3
51573	1.0	7.2	10.0	102.8	<30	11	6	496	3.13	2.2	<5	1	20	.09	.2	<.1	61	.21	.072	9	19	.23	135	.35	<2	2.24	.02	.06	<2	.1	42	<.3	<.1	7.6	1
51574	.7	8.5	8.2	88.3	<30	12	5	296	3.25	2.4	<5	<1	28	.10	.2	<.1	67	.32	.066	10	21	.30	137	.40	22	1.85	.04	.06	<2	<.1	34	<.3	.1	6.3	2
51575	1.3	7.8	8.9	134.8	91	12	6	296	3.54	4.0	<5	<1	22	.16	.3	.1	69	.30	.060	8	21	.29	137	.36	47	2.65	.03	.08	<2	.1	45	.3	<.1	10.3	2
51576	1.1	9.2	7.4	117.9	441	14	8	830	3.88	4.6	<5	1	22	.25	.4	.1	78	.31	.179	9	18	.31	117	.38	<2	2.02	.03	.07	<2	<.1	65	<.3	<.1	8.2	2
51577	.9	7.5	6.6	81.0	141	11	6	249	3.73	6.7	<5	<1	24	.17	.3	<.1	81	.34	.131	8	21	.25	68	.36	<2	1.76	.02	.06	<2	.1	43	<.3	<.1	6.7	3
52701	1.0	8.4	9.5	119.7	31	14	6	444	3.41	4.2	<5	1	30	.16	<.2	.2	60	.34	.188	12	17	.26	95	.36	22	2.53	.04	.08	<2	<.1	42	<.3	<.1	8.3	2
52702	1.1	7.9	9.4	90.2	58	11	7	707	3.55	2.9	<5	2	29	.15	.4	.1	71	.33	.118	11	19	.25	104	.37	5	1.80	.03	.08	<2	.1	27	.3	.2	8.6	2
RE 52702	1.0	6.7	8.0	86.5	53	11	6	665	3.33	2.9	<5	1	27	.13	.3	.1	67	.31	.113	10	17	.24	100	.37	<2	1.71	.03	.07	<2	.1	28	<.3	.1	8.2	3
52703	1.1	7.2	15.1	185.0	137	10	8	1182	3.72	4.0	<5	<1	22	.31	.3	.1	69	.29	.187	8	14	.26	122	.29	<2	1.85	.02	.06	<2	<.1	61	<.3	.1	8.1	4
52704	.6	14.7	14.7	80.5	120	5	5	595	2.06	1.4	<5	1	45	.27	<.2	.1	33	.87	.079	10	14	.34	113	.19	<2	1.33	.02	.08	<2	<.1	73	<.3	<.1	5.4	20
52705	.8	9.9	8.6	88.8	76	9	7	437	3.65	2.0	<5	1	43	.27	<.2	.1	65	.47	.077	13	23	.30	96	.38	<2	1.74	.04	.11	<2	<.1	42	<.3	<.1	6.4	2
52706	1.5	6.6	19.2	396.9	419	6	6	2823	2.89	5.2	<5	1	13	.83	.6	.1	46	.17	.054	14	23	.20	645	.07	<2	2.18	.01	.11	<2	.1	72	<.3	<.1	6.1	4
52707	1.1	16.1	20.3	353.6	306	13	8	1067	3.38	2.8	<5	1	19	1.42	1.0	.1	67	.27	.066	9	34	.27	383	.21	2	1.95	.02	.13	<2	.1	55	<.3	<.1	6.3	2
52708	1.2	10.9	10.1	206.4	196	6	7	611	4.61	7.8	<5	3	18	.55	1.6	.3	72	.29	.059	9	24	.20	341	.07	6	1.31	.01	.20	<2	.1	50	.4	.4	5.2	2
52709	.8	8.3	8.3	117.4	145	11	5	554	3.00	2.2	<5	1	26	.26	.3	.1	59	.34	.072	9	20	.25	133	.36	12	1.81	.03	.08	<2	<.1	30	<.3	<.1	6.6	2
52710	.9	8.6	9.8	63.7	74	12	6	291	3.41	4.2	<5	2	29	.12	.4	.1	77	.35	.081	9	27	.24	72	.38	4	1.48	.03	.07	<2	<.1	26	<.3	.2	6.4	6
52711	.9	6.6	6.0	72.0	76	10	6	311	3.45	3.2	<5	<1	55	.13	.3	.1	75	.40	.088	9	26	.30	83	.34	<2	1.58	.02	.08	<2	<.1	25	<.3	.2	6.5	2
52712	.8	9.1	6.6	68.1	44	12	7	385	3.95	4.5	<5	2	30	.11	.4	.1	88	.35	.072	11	29	.35	77	.37	<2	1.51	.02	.08	<2	<.1	10	<.3	.3	6.6	2
52713	.8	10.0	5.9	70.6	77	13	7	349	3.93	6.0	<5	2	31	.11	.3	.2	92	.34	.068	9	31	.34	89	.38	14	1.71	.02	.07	<2	<.1	34	<.3	.1	6.9	7
52714	1.1	7.0	6.9	95.3	82	13	8	422	4.32	3.8	<5	1	30	.11	.4	.1	100	.34	.087	9	20	.33	106	.36	<2	1.77	.02	.08	<2	<.1	37	<.3	.2	6.9	3
52715	1.1	9.9	7.3	89.6	<30	14	8	413	4.56	5.0	<5	2	31	.12	.2	.2	107	.35	.108	10	30	.36	95	.38	2	1.70	.02	.07	<2	<.1	27	<.3	<.1	7.4	4
52716	1.1	8.0	8.9	125.0	79	11	6	492	3.47	3.3	<5	2	26	.19	<.2	.2	68	.30	.140	8	25	.26	109	.31	5	1.94	.02	.07	<2	<.1	30	<.3	<.1	7.8	1
52717	.8	8.1	6.9	76.7	164	9	6	1048	2.94	2.0	<5	1	43	.16	.2	.1	63	.45	.024	13	22	.29	125	.26	<2	1.57	.03	.08	<2	<.1	48	<.3	<.1	5.0	1
52718	1.0	11.6	7.6	127.0	133	13	8	668	4.26	5.5	<5	2	18	.22	.3	.2	96	.26	.106	10	26	.36	89	.35	<2	2.04	.02	.06	<2	<.1	40	<.3	<.1	8.4	2
52719	.8	12.3	10.7	97.0	129	12	6	472	2.87	3.3	<5	<1	38	.23	.3	.1	49	.62	.130	10	16	.36	99	.31	<2	2.02	.02	.12	<2	<.1	42	<.3	.3	7.2	<1
52720	.6	6.1	8.7	83.9	49	7	4	286	2.39	1.6	<5	2	28	.13	.2	<.1	49	.33	.028	10	20	.25	92	.36	3	1.33	.03	.06	<2	<.1	17	<.3	<.1	4.8	2
52721	1.4	8.3	7.9	112.8	94	12	6	503	3.40	3.4	<5	1	25	.19	.3	.1	70	.32	.100	9	22	.28	117	.35	<2	1.69	.02	.07	<2	<.1	25	<.3	.3	7.6	2
52722	.9	10.0	11.8	69.7	<30	13	7	318	3.87	5.6	<5	3	35	.13	.2	.1	75	.39	.148	10	30	.29	104	.40	4	2.14	.03	.07	<2	<.1	30	<.3	<.1	7.7	1
52723	.9	13.8	9.2	88.7	66	11	6	704	2.86	2.3	<5	<1	45	.26	<.2	<.1	48	.78	.131	9	17	.36	118	.25	<2	1.78	.02	.12	<2	<.1	48	<.3	<.1	5.6	<1
52724	.9	6.8	13.9	131.2	54	9	7	436	3.05	2.1	<5	2	49	.35	.2	.1	59	.52	.197	7	24	.24	187	.21	<2	1.40	.02	.10	<2	<.1	32	<.3	.1	5.5	2
STANDARD D/AU-S	24.6	123.1	85.0	269.5	1955	29	14	968	4.68	69.1	18	20	59	2.30	9.9	20.1	63	.66	.086	17	54	1.21	230	.15	26	2.39	.08	.78	19	2.3	472	.8	2.0	6.7	49

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
52725	.7	10.5	8.2	118.9	94	10	7	732	3.17	1.6	<5	2	26	.30	.2	.1	74	.41	.094	11	25	.32	281	.33	2	1.99	.02	.11	2	.1	51	<.3	.1	7.9	3
52726	1.5	17.1	5.9	81.5	71	7	9	511	3.10	2.7	<5	3	19	.09	<.2	<.1	68	.26	.034	9	18	.48	536	.09	6	2.07	.01	.06	<2	<.1	69	<.3	.1	7.6	2
52727	.8	11.4	5.8	61.8	165	7	5	370	2.92	1.9	<5	3	27	.11	.2	<.1	71	.33	.024	13	16	.25	184	.31	4	1.29	.02	.07	<2	<.1	45	<.3	.1	5.6	2
52728	.7	5.5	5.7	81.8	121	9	8	308	3.00	.8	<5	3	21	.12	<.2	<.1	65	.21	.067	8	22	.20	225	.20	6	1.54	.02	.07	<2	<.1	41	<.3	.1	5.2	<1
52729	1.0	11.2	8.6	90.3	67	10	8	1147	3.48	1.6	5	4	51	.23	.2	.1	75	.50	.027	25	32	.35	543	.20	9	1.76	.02	.09	<2	.1	64	<.3	.1	5.8	1
52730	.8	9.0	6.2	50.7	55	8	6	336	3.03	3.2	<5	2	26	.09	.2	<.1	76	.30	.022	11	16	.29	180	.33	3	1.14	.03	.06	<2	<.1	29	<.3	.2	4.4	<1
52731	.9	5.7	5.3	69.8	58	9	8	451	2.88	1.0	<5	3	35	.11	<.2	.1	66	.31	.085	7	30	.23	101	.19	7	1.38	.02	.09	<2	<.1	36	<.3	.1	5.4	1
52732	.8	8.7	7.1	70.7	69	10	9	314	3.34	3.4	<5	3	39	.08	.2	<.1	67	.39	.102	11	17	.31	191	.19	4	1.70	.02	.09	2	<.1	40	<.3	.1	5.5	<1
52733	.9	6.8	5.0	78.0	41	11	8	763	3.14	2.0	<5	3	24	.11	<.2	.1	79	.29	.086	10	24	.27	146	.25	4	1.43	.02	.07	<2	<.1	26	<.3	<.1	5.4	1
52734	.8	6.3	6.1	63.2	58	8	7	562	2.80	1.5	<5	1	24	.09	<.2	.1	63	.26	.105	8	24	.24	132	.20	3	1.40	.02	.07	<2	<.1	28	<.3	<.1	5.3	16
52735	1.3	8.1	7.2	52.7	70	8	5	547	2.74	1.7	<5	2	33	.11	<.2	.1	67	.30	.019	10	17	.25	130	.31	7	1.21	.02	.10	<2	<.1	32	<.3	<.1	5.3	<1
52736	1.1	6.8	6.5	52.6	60	8	7	317	2.93	2.1	<5	2	24	.07	<.2	<.1	58	.23	.148	9	13	.21	95	.19	2	1.71	.02	.06	<2	<.1	42	<.3	.1	5.5	<1
52737	.5	8.1	6.6	42.4	43	6	5	413	3.08	2.1	<5	3	59	.12	<.2	<.1	55	.60	.022	13	18	.39	119	.31	4	1.28	.03	.07	<2	<.1	41	<.3	.1	5.3	<1
52738	.8	7.1	8.6	47.2	<30	7	5	265	3.03	2.3	<5	2	39	.09	<.2	.1	66	.38	.027	10	19	.26	72	.32	2	1.54	.03	.05	<2	<.1	23	<.3	.1	6.8	1
52739	.5	9.0	6.4	48.8	71	6	6	499	2.92	2.0	<5	1	60	.12	<.2	<.1	55	.60	.024	12	17	.37	73	.31	3	1.34	.03	.07	<2	<.1	41	<.3	.1	5.6	<1
52740	.7	9.4	6.7	62.8	66	7	7	669	3.21	1.5	<5	2	49	.11	<.2	.1	61	.54	.041	12	21	.32	89	.32	2	1.52	.03	.09	<2	<.1	35	<.3	.2	5.6	<1
52741	1.0	9.5	6.7	67.0	66	11	7	537	3.30	3.2	<5	2	38	.10	<.2	.1	69	.44	.119	14	20	.27	133	.35	<2	1.64	.03	.10	<2	<.1	35	<.3	.1	6.1	2
52742	1.2	9.2	7.5	95.3	54	11	6	702	3.03	2.1	<5	1	30	.16	<.2	.1	58	.36	.205	10	22	.23	192	.31	<2	1.76	.02	.09	<2	<.1	33	<.3	<.1	6.9	1
52743	1.2	7.1	11.1	51.9	307	7	7	502	3.08	7.8	<5	1	15	.13	.3	<.1	70	.22	.023	7	14	.20	103	.23	2	1.14	.01	.06	<2	<.1	34	<.3	.1	4.7	68
52744	1.2	3.8	9.3	48.9	221	4	4	248	2.58	4.2	<5	1	10	.15	.3	.1	68	.15	.017	6	14	.08	53	.19	5	.71	.01	.05	<2	<.1	59	<.3	.1	4.1	9
52745	1.4	7.7	9.0	102.6	51	10	9	601	3.22	2.7	<5	1	22	.38	<.2	.1	73	.25	.052	7	26	.24	89	.34	<2	1.35	.01	.08	<2	<.1	57	<.3	.1	6.9	1
52746	1.1	8.1	8.2	157.1	98	12	9	1297	3.39	4.6	<5	<1	20	.35	<.2	.1	76	.27	.134	8	23	.25	126	.33	<2	1.52	.02	.06	<2	<.1	61	<.3	.1	6.3	4
52747	1.0	6.6	8.4	131.6	70	12	8	615	3.18	1.9	<5	<1	22	.33	<.2	.2	73	.26	.116	7	23	.24	147	.33	2	1.64	.02	.06	<2	<.1	34	<.3	.2	7.3	8
52748	.8	5.6	12.9	106.2	78	7	8	720	2.54	1.7	<5	1	32	.62	<.2	.1	56	.37	.122	6	20	.14	104	.19	3	.96	.01	.06	<2	<.1	42	<.3	.1	4.4	59
RE 52748	.9	5.7	12.6	114.5	48	8	8	786	2.73	1.8	<5	2	35	.68	<.2	.1	61	.40	.131	8	20	.15	112	.23	5	1.05	.02	.07	<2	<.1	48	<.3	<.1	4.7	5
52749	.9	5.4	7.9	66.5	48	8	6	342	2.79	2.6	<5	2	14	.22	<.2	.1	65	.19	.098	7	20	.18	64	.28	17	1.09	.02	.04	<2	<.1	27	<.3	<.1	5.6	1
52750	1.2	7.0	12.1	118.2	58	8	6	583	3.29	3.7	<5	1	22	.29	<.2	.1	71	.28	.082	7	27	.20	144	.31	<2	1.37	.02	.07	<2	<.1	40	<.3	<.1	7.5	3
52751	1.4	7.0	16.1	89.0	76	6	5	229	3.19	5.2	<5	<1	13	.37	<.2	.2	72	.17	.122	7	26	.16	63	.31	<2	1.12	.01	.05	<2	<.1	37	.3	.2	8.7	<1
52752	1.0	9.0	9.6	86.4	176	11	8	541	3.63	7.5	<5	1	17	.20	.2	.1	77	.24	.127	8	21	.26	72	.34	<2	1.82	.02	.06	<2	.1	45	<.3	.2	6.7	1
52753	1.2	10.6	9.1	63.6	121	14	9	267	3.59	9.4	<5	<1	20	.12	.2	.1	78	.25	.074	7	25	.27	90	.35	32	1.92	.03	.04	<2	<.1	46	<.3	.3	6.3	<1
52754	1.7	8.2	11.9	287.6	154	10	11	1464	4.36	3.2	<5	<1	21	.45	<.2	.2	78	.31	.193	8	18	.35	143	.28	<2	1.83	.02	.06	<2	<.1	70	<.3	.1	8.5	<1
52755	.9	8.5	6.4	126.8	111	9	7	920	2.70	1.8	<5	1	27	.19	<.2	.1	54	.35	.051	13	18	.24	107	.18	<2	1.59	.02	.07	<2	<.1	65	<.3	.2	4.1	1
52756	.9	7.0	10.5	171.4	147	7	6	837	2.75	2.7	<5	<1	23	.19	<.2	.1	54	.30	.067	12	16	.22	163	.18	<2	1.52	.01	.07	<2	<.1	58	<.3	.1	4.6	24
52757	.9	7.5	9.5	115.0	68	10	8	796	3.16	2.0	<5	<1	21	.16	<.2	.2	63	.26	.105	8	20	.25	208	.21	<2	1.57	.02	.08	<2	<.1	38	<.3	.1	5.2	1
STANDARD D/AU-S	22.5	118.7	88.5	252.3	1937	28	15	1008	4.37	70.9	17	20	62	2.31	9.1	20.7	67	.69	.091	19	60	1.13	241	.14	29	2.28	.07	.78	19	2.4	466	.9	2.5	6.9	52

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au* ppb
52758	1.6	6.3	4.5	50.3	126	2	3	255	1.99	1.6	<5	<1	27	.13	<.2	<.1	51	.27	.033	7	7	.07	173	.01	4	1.04	.01	.10	<2	<.1	57	<.3	.2	3.2	2
52759	1.5	15.4	84.3	559.8	376	5	8	2494	4.50	3.4	<5	1	190	2.64	.2	.1	62	1.29	.048	19	16	.42	589	.19	7	1.70	.03	.13	<2	.1	117	<.3	.2	5.5	40
52760	2.2	18.7	33.3	409.8	2902	10	10	1142	4.60	17.8	<5	1	37	.58	.3	.1	72	.35	.220	15	19	.31	224	.16	7	2.91	.01	.11	<2	.2	135	<.3	.1	10.6	179
52761	1.1	4.7	11.9	61.7	104	5	4	198	2.92	1.4	<5	1	26	.32	<.2	.1	75	.20	.022	7	25	.07	76	.27	5	.59	.01	.07	<2	.1	70	<.3	.2	4.9	14
52762	1.3	10.7	13.3	73.0	126	8	7	475	3.52	4.3	<5	1	146	.64	.2	.1	81	.90	.020	11	26	.22	244	.31	4	1.31	.02	.07	<2	.2	89	<.3	.3	5.7	1
52763	.9	13.5	10.7	87.3	125	8	8	721	3.32	3.2	<5	1	109	1.02	.2	.1	63	.78	.019	18	21	.29	196	.26	5	1.74	.04	.09	<2	.1	93	<.3	.2	5.2	2
52764	1.1	39.0	10.4	215.2	148	13	14	1277	4.24	4.9	5	1	127	3.19	.2	.1	63	.82	.030	23	23	.39	285	.22	6	2.06	.05	.06	<2	<.1	101	<.3	.1	5.0	2
52765	.9	4.6	11.7	75.0	111	5	4	211	2.91	.9	6	1	30	.17	<.2	.1	81	.24	.021	7	26	.11	48	.47	4	.66	.02	.05	<2	.1	69	<.3	.2	5.9	5
52766	1.4	9.7	17.8	203.9	204	7	7	560	4.64	25.5	<5	1	30	.92	.3	.1	87	.24	.047	12	24	.17	122	.27	5	1.15	.02	.05	<2	.1	81	<.3	.2	6.0	18
52767	1.5	48.8	114.6	410.3	3802	9	12	6656	5.86	30.1	8	3	44	2.98	1.2	<.1	74	.88	.051	36	19	.20	304	.12	7	1.76	.02	.09	<2	.1	219	.6	<.1	5.5	85
52768	1.1	9.4	9.4	83.0	104	10	9	408	3.70	5.2	<5	1	35	.22	<.2	.1	86	.32	.069	10	26	.23	99	.31	5	1.46	.02	.05	<2	.1	84	<.3	.1	6.3	1
RE 52768	1.2	9.4	9.5	82.9	104	11	10	378	3.73	6.2	<5	<1	36	.23	.2	.1	85	.34	.072	9	26	.24	102	.31	4	1.53	.02	.05	<2	<.1	79	<.3	.1	5.8	1
52769	.9	21.5	10.1	68.2	351	13	6	361	3.07	5.5	<5	1	118	.40	.2	.1	60	1.29	.071	15	23	.45	181	.25	5	1.30	.04	.07	<2	<.1	116	.4	<.1	3.4	7
52770	.8	17.0	8.1	69.0	146	11	7	355	3.45	4.3	10	1	71	.26	.3	<.1	69	1.08	.053	18	25	.42	142	.32	4	1.22	.05	.07	<2	<.1	85	<.3	.1	4.0	6
52771	1.4	11.6	17.0	218.7	171	12	13	886	4.51	5.7	<5	2	53	.31	<.2	.1	80	.63	.342	15	24	.45	205	.20	6	2.40	.02	.08	<2	.1	110	<.3	.1	7.6	14
52772	1.2	15.7	17.9	180.2	203	9	13	1639	4.04	4.4	<5	1	93	.41	<.2	.2	70	.89	.304	14	22	.39	404	.16	6	1.96	.02	.08	<2	.1	106	<.3	.1	6.0	10
52773	1.4	9.7	12.6	163.1	157	12	12	469	4.73	6.0	<5	2	27	.21	<.2	.2	92	.30	.243	12	28	.34	120	.24	5	2.04	.02	.06	<2	.1	122	<.3	.2	7.2	2
52774	1.2	8.3	13.2	73.1	<30	12	9	287	3.76	4.4	<5	1	36	.21	<.2	.1	79	.41	.076	9	27	.27	89	.31	5	1.64	.02	.06	<2	<.1	87	<.3	<.1	6.4	<1
52775	1.0	8.3	7.6	94.3	41	12	9	462	3.73	4.3	<5	1	26	.14	<.2	.2	82	.30	.095	10	27	.27	76	.31	5	1.52	.02	.05	<2	.1	66	<.3	.1	5.6	2
52776	.8	6.1	6.6	104.3	<30	11	8	480	3.57	2.4	<5	1	30	.19	<.2	<.1	80	.29	.080	8	26	.23	82	.31	4	1.49	.02	.05	<2	<.1	56	<.3	.1	5.2	<1
52901	3.6	26.6	39.2	208.7	433	6	17	3546	12.23	35.3	12	2	58	1.60	2.9	.2	46	.86	.114	40	6	.21	784	.01	8	2.01	.01	.22	<2	.2	121	<.3	.3	5.6	7
52902	1.3	16.1	12.7	139.5	127	3	5	1327	2.19	1.5	<5	1	38	1.66	<.2	.1	42	.38	.032	13	9	.11	670	.06	6	1.35	.01	.14	<2	<.1	54	<.3	<.1	4.4	3
52903	1.3	9.0	17.5	145.1	148	7	7	612	3.68	4.6	<5	1	26	.59	.3	.1	68	.25	.057	11	21	.19	176	.22	4	1.33	.02	.08	<2	<.1	78	<.3	<.1	5.8	<1
52904	1.0	9.4	10.3	96.7	215	10	9	294	3.79	6.2	<5	1	38	.16	.2	.1	68	.39	.170	11	23	.25	257	.23	4	1.78	.02	.08	<2	<.1	83	<.3	<.1	6.0	<1
52905	1.1	8.2	9.0	62.2	32	9	8	232	3.73	4.7	5	2	37	.09	<.2	.1	72	.33	.028	7	26	.25	105	.33	4	1.63	.03	.08	<2	.1	74	<.3	<.1	5.4	<1
52906	1.0	6.8	8.5	82.4	127	7	8	1081	3.37	1.9	<5	1	19	.52	<.2	.1	68	.22	.041	9	24	.18	180	.22	6	1.41	.02	.09	<2	.1	73	<.3	<.1	5.0	<1
52907	.9	8.1	12.1	169.8	341	11	9	364	3.83	4.8	<5	2	28	.41	<.2	.1	75	.31	.124	9	24	.25	176	.25	13	1.83	.02	.09	<2	<.1	70	<.3	.1	6.2	3
52908	1.8	8.5	65.4	515.7	649	7	5	441	3.46	19.8	<5	2	22	2.04	.5	.2	71	.26	.050	11	23	.17	95	.33	4	1.30	.01	.05	<2	.1	58	<.3	<.1	7.5	3
52909	.9	5.9	10.9	224.6	425	10	8	281	3.86	6.1	<5	1	28	.63	<.2	.1	82	.35	.057	7	27	.21	100	.30	4	1.60	.02	.08	<2	<.1	67	<.3	<.1	5.7	83
52910	1.0	7.4	14.7	129.3	234	11	8	845	3.65	6.1	<5	2	33	.31	.2	.1	79	.35	.048	9	25	.21	139	.34	3	1.49	.03	.05	<2	<.1	51	<.3	<.1	4.8	1
52911	.9	6.6	7.9	120.8	143	10	8	394	3.71	5.9	<5	1	21	.27	<.2	.1	75	.27	.135	9	25	.22	100	.29	3	1.56	.02	.06	<2	<.1	53	<.3	<.1	6.0	3
52912	1.1	6.4	7.4	130.9	210	9	8	905	3.54	3.1	<5	1	21	.43	.2	.1	79	.24	.030	7	23	.24	170	.26	4	1.52	.02	.07	<2	.1	80	<.3	<.1	5.9	5
52913	1.2	7.7	9.7	160.7	142	9	9	681	3.96	2.7	<5	1	37	.88	.2	.1	88	.58	.064	8	28	.24	144	.32	7	1.20	.02	.10	<2	.1	100	<.3	<.1	5.8	2
52914	1.1	7.9	10.0	94.6	231	11	10	803	3.96	3.3	<5	1	34	.34	.2	.1	80	.43	.056	8	24	.28	152	.30	4	1.74	.02	.07	<2	<.1	94	<.3	<.1	6.8	1
STANDARD	24.1	123.2	86.3	269.0	1951	26	14	927	4.49	78.9	20	20	58	2.34	9.2	20.9	61	.68	.087	18	53	1.14	239	.14	29	2.27	.05	.76	18	2.6	458	1.0	2.1	6.9	47

Standard is STANDARD D/AU-S. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
52915	1.0	4.3	14.8	137.9	103	6	8	894	4.97	1.8	<5	3	20	.54	.2	.1	79	.25	.103	9	23	.20	174	.25	<2	1.22	.01	.07	<2	.1	45	<.3	.1	4.4	2
52916	1.0	4.5	9.5	90.8	42	8	9	289	4.09	2.9	<5	2	25	.14	<.2	.1	88	.20	.092	7	25	.24	122	.26	<2	1.39	.01	.04	<2	.1	31	<.3	.1	4.8	4
52917	.7	6.3	9.3	49.5	37	8	8	391	3.16	4.5	<5	2	36	.06	<.2	.1	60	.40	.078	12	20	.29	148	.26	<2	1.28	.03	.06	<2	.1	13	<.3	.1	3.2	1
52918	1.1	7.7	9.6	100.6	63	13	14	1998	4.20	4.8	<5	2	41	.27	<.2	.1	79	.37	.111	12	21	.37	196	.22	<2	1.71	.02	.06	<2	.1	77	<.3	.1	3.9	1
RE 52918	1.2	8.1	10.4	101.7	66	15	12	2001	4.26	5.2	<5	2	41	.25	.2	.1	81	.38	.108	12	23	.37	186	.23	<2	1.76	.02	.06	<2	.1	69	<.3	.1	3.9	<1

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources
MINERAL RESOURCES DIVISION -- TITLES BRANCH

EVENT NUMBER 3075411
OFFICE USE ONLY

SUB-RECORDER
RECEIVED
SEP 7 1995
M.R. # 9 $ 430.
VANCOUVER, B.C.
RECORDING STAMP

Mineral Tenure Act
SECTION 28

NOTICE TO GROUP

INDICATE TYPE OF TITLE MINERAL
(Mineral or Placer)*

I, CRAIG W PAYNE
(Name)
1409 - 409 GRANVILLE ST
(Address)
VANCOUVER, B.C.
V6H 1T1 669-5736
(Postal Code) (Telephone)
Client Number 120907.

Agent for PHELPS DODGE CORPORATION OF CANADA LIMITED
(Name(s) of all recorded title holders)
SUITE 912 - 120 ADELAIDE ST. WEST
(Address)
TORONTO, ONTARIO
M5H 1T1 (416) 594-0351
(Postal Code) (Telephone)
Client Number 121307.

request that the following mineral titles on map number(s) 93F/3 in the OMINECA Mining Division(s) be grouped under the group name TAM 95-1.

A copy of the mineral/placer titles reference map ☑ or a legal survey approved by the Surveyor General ☐ is attached. (check appropriate box)

Name of Claim	Number of Units	Tenure Number
TAM-1	1	331404
TAM-2	1	331405.
TAM-3	12	331406

Name of Claim	Number of Units	Tenure Number

Notice to Group approved (Yes/No)

Total number of units 14

(Signature of Gold Commissioner)

(Signature of Applicant)

(Date)

*NOTE: Mineral claim(s) and lease(s) cannot be grouped with placer claim(s) and lease(s)

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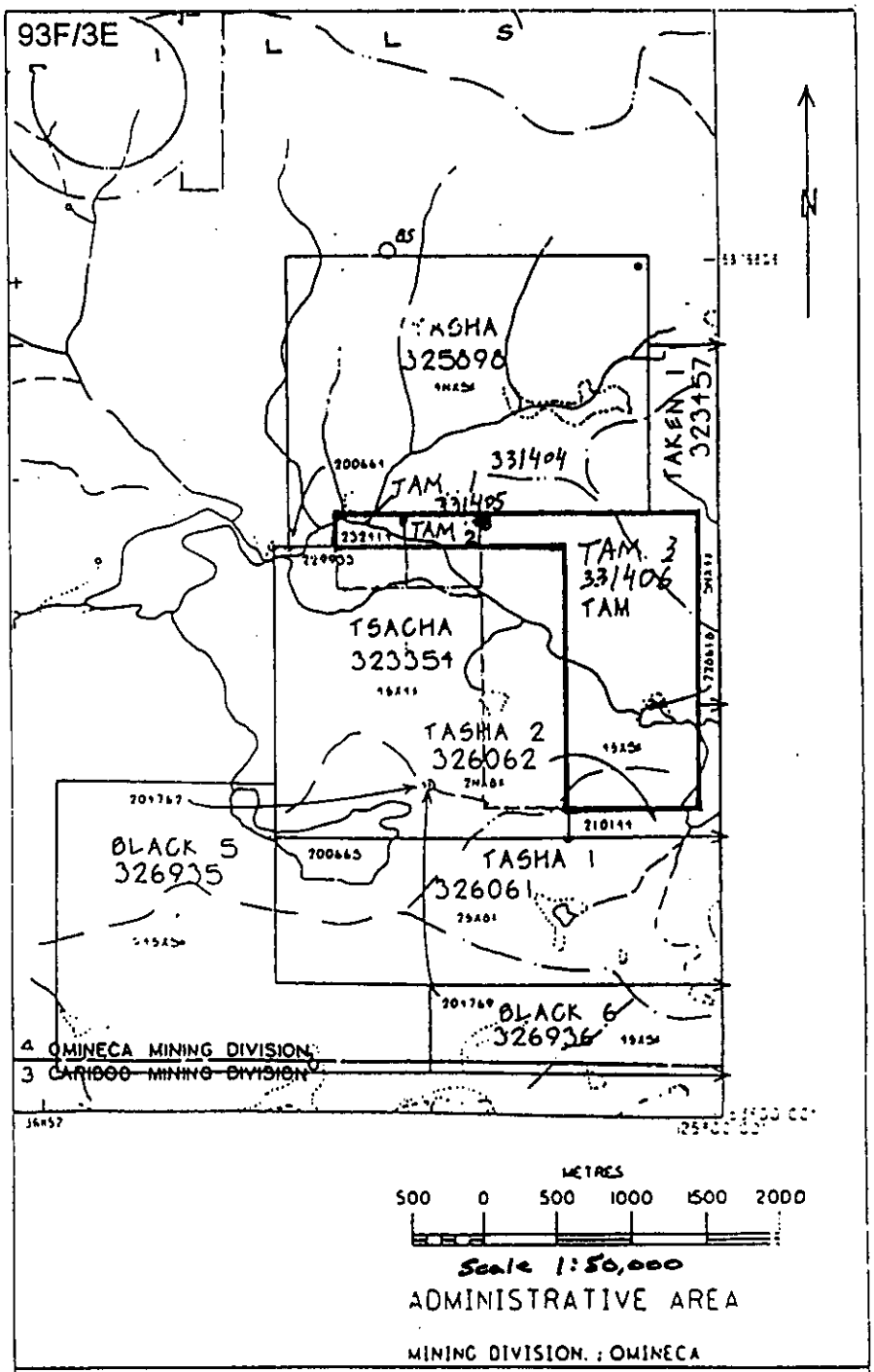

Figure Claim Map of the Tam Property

OUTLINE OF CLAIMS IN GROUP TAM 95-1

TAKEN PROPERTY CLAIM BOUNDARY

5879000 N
364000 E

4 TRAX TRAIL

TAM 1

TAM 2

TAM 3

TAM PROPERTY CLAIM BOUNDARY

Nb

Na

Nr

Fel

Maroon-green andesite/basalt with weak chlorite alteration

Quartz+feld phyric rhyolite

Quartz phyric rhyolite

Flow banded rhyolite

Qtz+feld phyric rhyolite

Aphanitic rhyolite

Qtz phyric rhyolite

Quartz phyric rhyolite float

Fine grained grey felsite

Fine grained grey felsite abundant biotite phenocrysts

Angular quartz vein float material

Fine grained grey felsite Fel weak chlorite alteration

Rhyolite breccia with angular purple-grey qtz phyric rhyolite clasts

CK SHOWING

Abundant qtz boulders

Quartz vein 1m wide

Quartz vein 0.5m wide

Quartz vein 1m wide

Silica flooded rhyolite, trace diss py

Qtz veins 6-10m wide, 160° /vert

Qtz+feld. phyric rhyolite with weak qtz stockworks

1m wide qtz vein

Tan, siliceous rhyolite, trace diss fine grained py

White to grey massive qtz vein 1m wide

HS SHOWING

Tan, weakly siliceous rhyolite

Grey, fine grained felsite with biotite phenocrysts

TOMMY SHOWING
TECK CORP.

1995 Grid

5876000 N
364000 E

4100
4000
3900
3800
3700
3600
3500

L 112N
L 110N
L 108N
L 106N
L 104N

LEGEND

EOCENE

FEL — Felsite, greenish grey, fine grained with abundant biotite phenocrysts

MIDDLE JURASSIC

HAZELTON GROUP

Nb — Basalt and minor andesite, locally abundant augite phenocrysts

Na — Andesitic flows and lapilli tuff, tuff and minor pyroclastic rocks

Nd — Dacite flows and tuff, locally quartz phyric light grey to white

Nq — Lapilli tuff, mottled maroon to green with quartz phenocrysts

Nr — Rhyolite, maroon to light green, flow banded locally quartz and/or feldspar phyric, minor lapilli tuff

SYMBOLS

Geological contact (approximate)

Fault (approximate)

Outcrop

Shear (inclined, vertical)

Float

Joint (vertical)

Layering (inclined)

Quartz vein

Zinc ppm
Lead ppm
Silver ppb
Gold ppb
Rock sample number
Outcrop
Float
Talus

Lake / pond

Creek

Contour; (contour interval 100ft)

UTM coordinate

Road

0 100 200 300 400
SCALE IN METRES

To Accompany 1995 Assessment Report Entitled Geological and Soil Geochemical Report on the Tam Property, By C. W. Payne M.Sc, P.Geo.

PHELPS DODGE CORP. OF CANADA LIMITED

PROJECT NO.: 252(TAM PROPERTY) OMINECA MINING DIVISION

PROPERTY GEOLOGY
AND
ROCK GEOCHEMICAL RESULTS

SCALE	DATE	BY	NTS NO.	FIGURE
1:5000	DEC/95	CWP	93 F/2,3	4

FOX GEOLOGICAL SERVICES INC.

TAKEN PROPERTY CLAIM BOUNDARY

5879000 N 364000 E

4 TRAX TRAIL

TAM 1

TAM 2

TAM 3

TAM PROPERTY CLAIM BOUNDARY

CK SHOWING

HS SHOWING

1995 Grid

5876000 N 364000 E

Nb Na Nd Nq Nr Fel

LEGEND

EOCENE

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SYMBOLS

Geological contact (approximate)

Fault (approximate)

+500 BL 100 N +750 — Silver value ppb

+370 — Grid line station, soil sample site

99+00 N +3000 L 100 E — Grid line number

1000 / 700 / 500 — Contour values in ppb

Lake / pond

Creek

3500 — Contour; (contour interval 100ft)

343000 m E 5937000 m N — UTM coordinate

Road

0 100 200 300 400
SCALE IN METRES

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PHELPS DODGE CORP. OF CANADA LIMITED

PROJECT NO.: 252(TAM PROPERTY) OMINECA MINING DIVISION

SOIL GEOCHEMICAL RESULTS
SILVER ppb

SCALE	DATE	BY	NTS NO.	FIGURE
1:5000	DEC/95	CWP	93 F/2,3	6 (2)

FOX GEOLOGICAL SERVICES INC.

TAKEN PROPERTY CLAIM BOUNDARY

5879000 N
364000 E

4 TRAX TRAIL

TAM 1

TAM 2

TAM 3

TAM PROPERTY CLAIM BOUNDARY

CK SHOWING

HS SHOWING

1995 Grid

5876000 N
364000 E

LEGEND

EOCENE

FEL — Felsite, greenish grey, fine grained with abundant biotite phenocrysts

MIDDLE JURASSIC

HAZELTON GROUP

Nb — Basalt and minor andesite, locally abundant augite phenocrysts

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Nq — Lapilli tuff, mottled maroon to green with quartz phenocrysts

Nr — Rhyolite, maroon to light green, flow banded locally quartz and/or feldspar phyric, minor lapilli tuff

SYMBOLS

Geological contact (approximate)

Fault (approximate)

Gold value ppb

Grid line station, soil sample site

Grid line number

Contour values in ppb

Lake / pond

Creek

Contour; (contour interval 100ft)

5937000 m N
345000 m E

UTM coordinate

Road

0 100 200 300 400
SCALE IN METRES

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PHELPS DODGE CORP. OF CANADA LIMITED

PROJECT NO.: 252(TAM PROPERTY) OMINECA MINING DIVISION

SOIL GEOCHEMICAL RESULTS
GOLD ppb

SCALE	DATE	BY	NTS NO.	FIGURE
1:5000	DEC/95	CWP	93 F/2,3	5

FOX GEOLOGICAL SERVICES INC.