GEOLOGICAL AND GEOCHEMICAL REPORT

on the

TENAKIHI PROPERTY
Tenakihi 1, 2, 3, 4 and Tenakihi Too Claims
Omineca Mining Division
British Columbia

NTS 94C/4E& 3W
56° 15' North Latitude
125° 30' West Longitude

by
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Work paid for by
PHELPS DODGE CORPORATION OF CANADA, LIMITED

March 30, 2001

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SUMMARY

A work program of soil, silt and rock sampling on Phelps Dodge's Tenakihi claims in the Omineca Mining Division of British Columbia identified widespread disseminated chalcopyrite, chalcopyrite-bornite-malachite-magnetite veins and copper-bearing quartz-carbonate veins. Numerous bedrock and float samples collected returned greater than 1% copper and 1gpt gold and ranged up to 6.8% copper and 6.5gpt gold. These copper zones are hosted in monzonitic intrusions at the north end of the Hogem batholith and are locally associated with prominent but discontinuous east-west trending faults and shear zones. Contour soil sampling identified a zone in the central claim area 1,000 metres long and up to 400 metres wide containing copper in soils ranging from 173ppm to 4400ppm. Hematite-magnetite, propylitic and potassic alteration was recognized during sampling but no obvious zoning pattern was established. Elevated copper values in silt samples collected in the southern claim area indicate another probable copper-rich zone. Results from work to date are favorable and warrant a follow-up program of detailed mapping, soil sampling and trenching to help identify potential drill targets.

INTRODUCTION

This report describes a geologic mapping and geochemical sampling program conducted on the Tenakihi property by Phelps Dodge during 2000. Between August 13th and 29th, 2000 a three-person crew performed rock, soil and silt sampling and geologic mapping on the property. An additional four person days of sampling was completed on October 2nd and 3rd. Work was helicopter-supported and staged from a road camp on the Omineca Mine road near Johanson Lake and from a camp at Silver Creek. Results of this work are presented herein and recommendations for further work are made.

LOCATION AND ACCESS

The Tenakihi property is centred at 56° 15' north latitude, 125° 30' west longitude, 175 kilometers northeast of Smithers (Figure 1). The claims are situated at the headwaters of Tenakihi Creek, a tributary to Osilinka River and cover rugged mountain terrain, where elevations range from 1,300 metres to 2,400 metres. Vegetation varies from mature forests of conifers and deciduous trees in the valley floors to sub-alpine vegetation on ridge tops. The claims are within ten kilometers of the Kemess mine road and access to the property is via helicopter from seasonal helicopter base camps along the mine road or from Smithers or Fort St. James.

CLAIM INFORMATION

The Tenakihi property consists of five 4-post mineral claims within the Omineca Mining Division and is located on NTS mapsheets 94C04E and 94C03W. Pertinent claim data is tabulated below in Table I and the claims are shown in Figure 2. Expiry dates shown are contingent upon the work described herein being accepted for assessment.

Table I – Claim List

Claim Name	Record Number	Units	Expiry date
Tenakihi 1	373768	20	December 2, 2004
Tenakihi 2	373769	20	December 2, 2004
Tenakihi 3	373770	16	December 2, 2004
Tenakihi 4	379999	20	August 29, 2004
Tenakihi Too	379740	20	August 7, 2004

HISTORY

The British Columbia Minfile database indicates seven chalcopyrite, bornite and molybdenum mineral occurrences located in the immediate area of the property including the Ten occurrence, Minfile number 94C133 situated within the claim boundaries. Eight assessment reports in the ARIS database indicate previous prospecting, sampling and drilling in the claim area between 1973 and 1993. Phelps Dodge staked the Tenakihi claims in late 1999 after completing a regional silt sampling and prospecting program.

Tenakihi Property
Location and Infrastructure
British Columbia

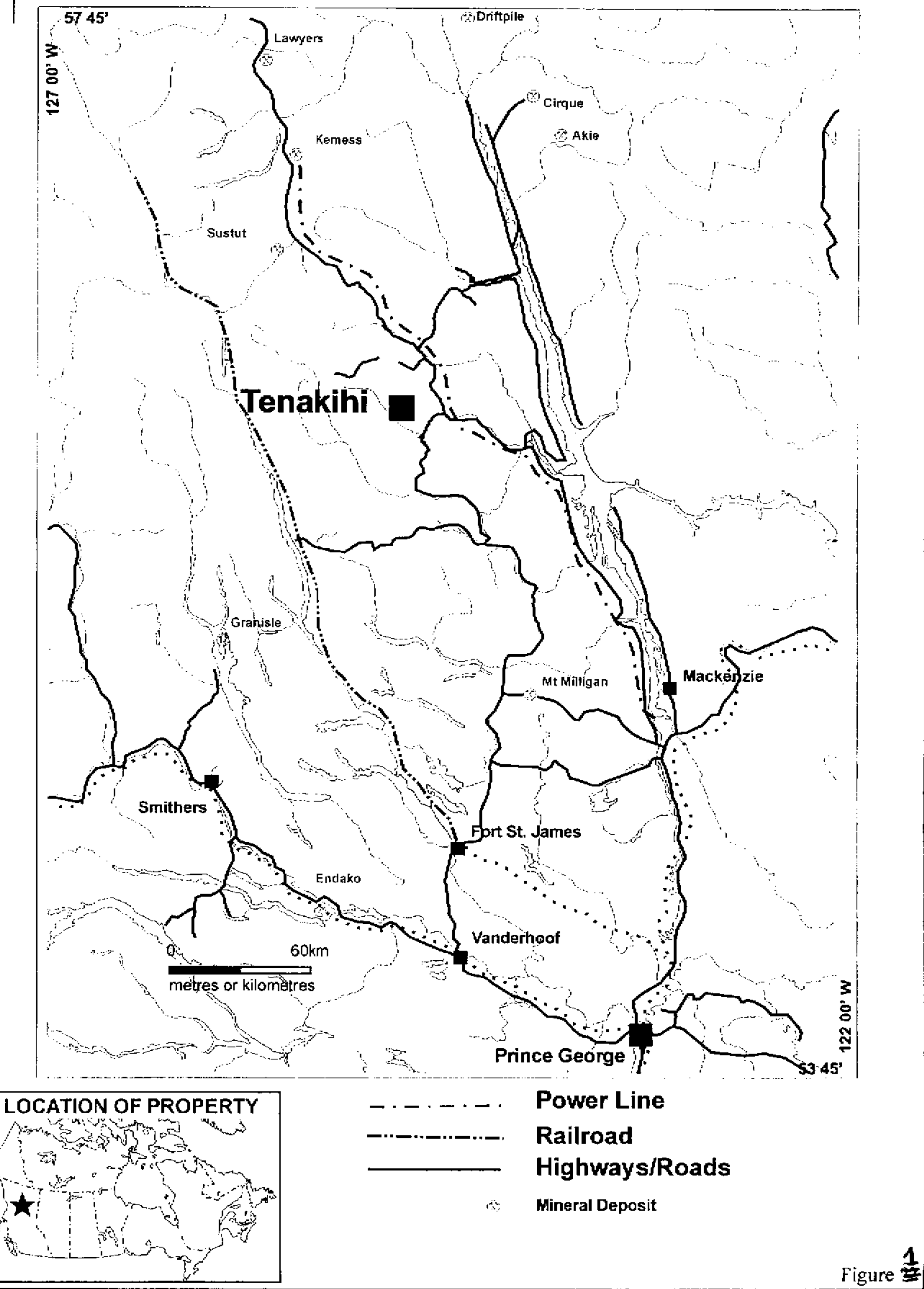
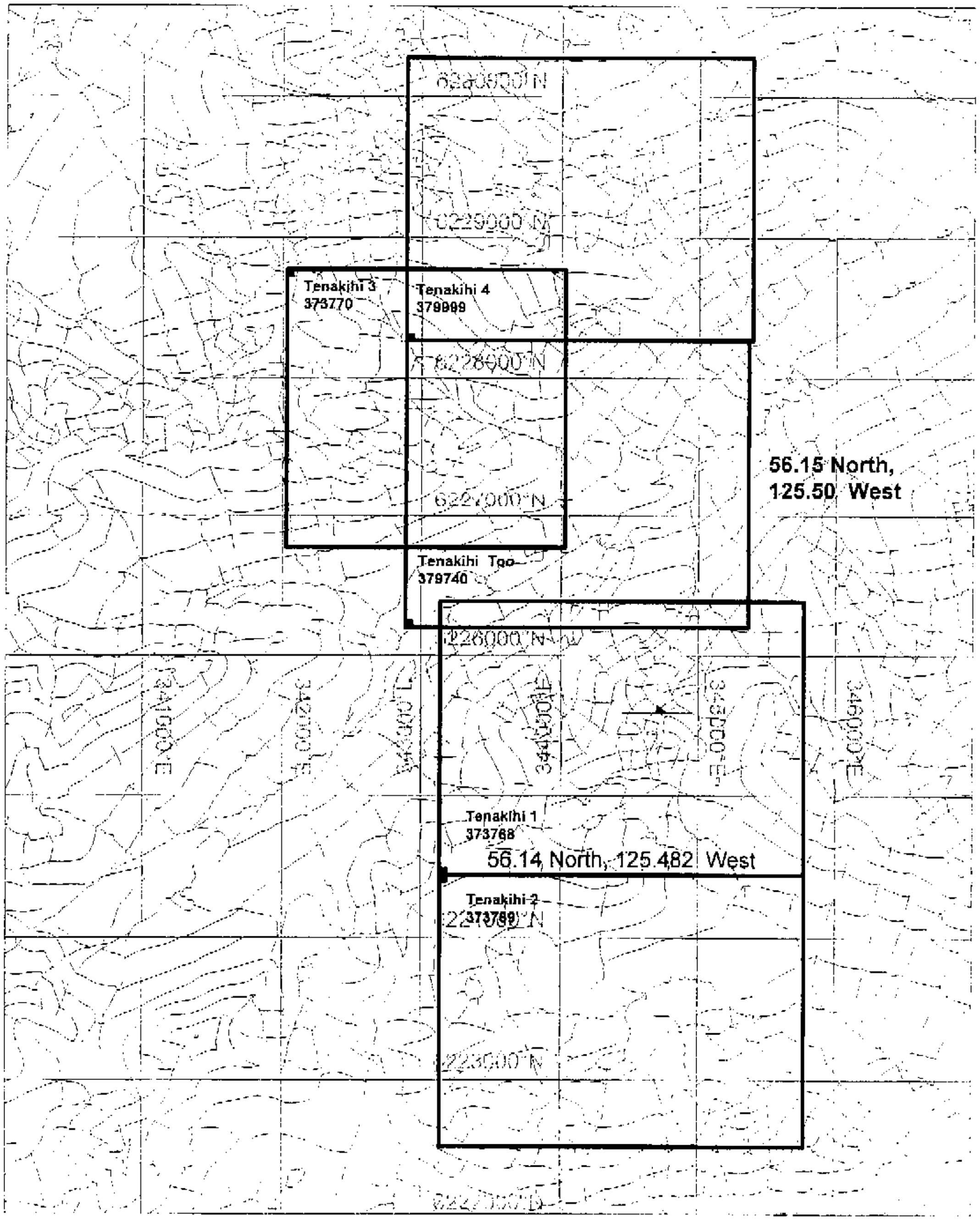
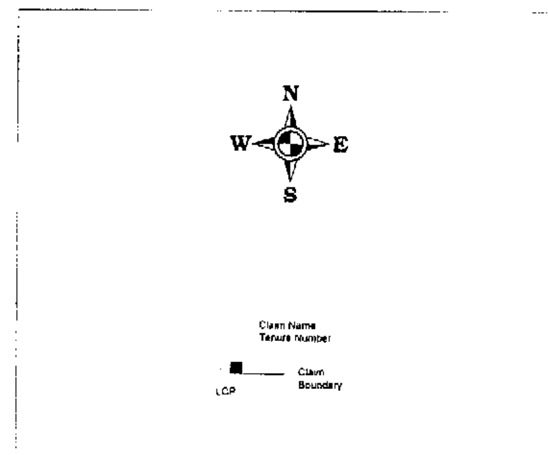


Figure 1





PHELPS DODGE CANADA CORPORATION OF CANADA, LIMITED.

TENAKIHI PROPERTY
Claim Location Plan

Date:13/02/2001
Author: C Kulla
Office: Vancouver
Drawing: 2
Scale: 1:50,000
Projection: UTM Zone 10 (NAD 83)

REGIONAL GEOLOGY

GSC open file 2948 shows the claims are situated at the northern extent of the Hogem batholith, an elongate 120-kilometre long northwest trending batholith comprised of Jura-cretaceous granitic to syenitic intrusions. Cache Creek and Stuhini volcanics are juxtaposed against the western margin of the batholith by the Pinchi fault and Triassic-Jurassic Nicola volcanic sediments flank the eastern margin.

PROPERTY GEOLOGY

Cursory mapping by Phelps Dodge (Figure 3) indicates the claims are underlain predominantly by monzonite to monzodiorite intrusions. A one kilometre wide zone of layered intrusions was identified west of the central claim area and a north-trending dyke-like syenite body was mapped just west of the Tenakihi 3 claim. Northwest-trending sedimentary rocks mapped in the northeast region of the claims are assumed to be Nicola equivalents. East-west trending discontinuous faults or shears are common in the claim area and locally host disseminated and semi-massive chalcopyrite, magnetite, bornite and rare molybdenum. Copper-bearing quartz-carbonate veins occur locally. Hematite-magnetite veins +/- quartz, chlacopyrite and pyrite define a zone of iron oxide alteration in the northwest region of the Tenakihi 1 claim and epidote veins within the zone of layered intrusions define a propylitic zone of alteration. Potassic alteration is inferred from a zone of chlorite and k-feldspar mapped at the southern boundary of Tenakihi 2.

2000 WORK PROGRAM

A preliminary geochemical sampling and geologic mapping program was completed on the property in two stages between August 13 and 29, 2000 and on October 3 and 4, 2000. In August and October a three-person crew collected 193 soil samples, 83 bedrock and float samples, 15 chip samples and 25 silt samples within the claim area. An additional 36 rock, 8 soil and 29 silt samples were collected outside the claim area. A cursory geologic map was prepared during sample collection. Work was helicopter-supported and was staged from a road camp on the Kemess Mine road and from a camp on Silver Creek. Further work in 2000 was prevented by an early snowfall. All samples were tagged with a unique number and shipped to Acme Analytical Labs in Vancouver where the samples were analyzed for 35 elements by ICP-MS methods. Summary fields notes and select geochemical results for all rocks, soils and silts collected by Phelps Dodge in 1999 and 2000 are given in Appendix I and complete analytical results for samples collected in 2000 are given in Appendix II. Geology and chip sample locations are shown in Figure 3, soil and silt sample locations are shown in Figure 4 and rock sample locations are shown in Figure 5.

RESULTS

Grab Samples

Twenty-three grab samples returned greater than 0.50% copper, eight of these contain greater than 2% copper. Sample 76454, a 5cm wide chalcopyrite bearing vuggy limonitic quartz vein returned 3.80% Cu and 1.11 gpt Au and sample 76465, a chalcopyrite-bearing quartz vein returned 6.86% Cu and 1.04 gpt Au. These two samples were collected on ridge tops some 2.5 km apart and are separated by a large northeast-trending valley through the property.

Soil Samples

Copper values in soils range from 15ppm to 4448ppm and gold values range from 1ppb to 164ppb. Twenty-five samples returned greater than 400ppm copper. Thirty soil samples from two soil contours within Tenakihi 4 claim delineate a zone some 1000 metres long and up to 400 metres wide with copper in soils ranging from 173ppm to 4448 ppm. Sample 77776 and 77774 from within this zone returned 4448 ppm Cu, 203 ppm As and 100 ppb Au and 3190ppm Cu, 12ppm As and 34ppb Au respectively.

Silt Samples

Results from detailed silt sampling within the claim area returned copper values from 138 to 555ppm, gold from 6 to 147ppb and arsenic from 3ppm to 67ppm. Four silt samples collected from headwaters of a basin in the southwest Tenakihi 2 claim area returned greater than 250ppm copper .

Chip Samples

Three copper-bearing zones within the soil anomaly described above were sampled. Three 2-metre chip samples across hematite and chalcopyrite veins in chlorite altered monzonite returned from 391 ppm to 3901 ppm copper. A four-metre chip sample across monzonite hosted malachite, chalcopyrite and magnetite veins returned 2.16% Cu and an eight-metre chip across a copper-bearing quartz-carbonate zone within a syenitic phase of the intrusions returned 1.32% Cu over 8 metres. Individual results are shown in Table II.

Table II – Sample Results

Sample	Type	From/To (m)	Cu (ppm)	As (ppm)	Au (ppb)
77791	Chip	2	391	0	251
77792	Chip	2	486	1	160
77793	Chip	2	3,901	7	966
79100	Chip	0 to 1	1,982	62	6
79101	Chip	1 to 2	3,708	207	12
79102	Chip	2 to 3	13,641	3,676	25
79103	Chip	3 to 4	18,569	843	30
79104	Chip	4 to 5	25,581	1,275	39
79105	Chip	5 to 6	20,112	1,048	29
79106	Chip	6 to 7	10,016	35	14
79107	Chip	7 to 8	12,301	87	31
Average		**8 metres**	**13,239**	**904**	**23**
77883	Chip	0 to 1	31,841	2	41
77884	Chip	1 to 2	6,175	1	17
77885	Chip	2 to 3	5,140	2	21
77886	Chip	3 to 4	43,045	4	45
Average	**Chip**	**4 metres**	**21,550**	**2**	**31**

CONCLUSIONS AND RECOMMENDATIONS

A preliminary evaluation of the Tenakihi claims identified widespread disseminated chalcopyrite, chalcopyrite-bornite-malachite-magnetite veins and chalcopyrite-bearing quartz-carbonate veins. Numerous bedrock and float samples contain greater than 1% copper and 1gpt gold and range up to 6.8% copper and 6.5gpt gold. These copper zones are hosted in monzonitic intrusions of the Hogem batholith and are locally associated with prominent but discontinuous east-west trending faults and shear zones within the intrusions. Contour soil sampling identified a zone in the central claim area some 1000 metres long and up to 400 metres wide containing copper in soils ranging from 173ppm to 4400ppm. Hematite-magnetite, propylitic and potassic alteration was recognized during sampling but no obvious zoning pattern was established. Elevated copper values in silt samples collected in the southern claim area indicate the potential for another copper-rich zone in this region. Results from work to date are favorable and warrant a follow-up program of detailed mapping, soil sampling and trenching within the soil anomaly in the Tenakihi 4 claim and the target identified by silt sampling in the Tenakihi 2 claims. Additional prospecting outside the claim boundaries is also warranted.

DISBURSEMENTS

Expenditures for the 2000 Tenakihi work program totalled $59,565 of which $40,000 was applied to assessment as tabulated below;

(a) August 13 to 29, 2000

Laboratory			
98 rocks @ $19.00 per sample		$1,862	
201 soils @ $17.00 per sample		3,417	
25 silts @ $18.00 per sample		450	$ 5,729
Helicopter			
31hours @ $850/hour			26,350
Transportation			
4X4 truck 16 days @ $75 per day			1,200
Communications			743
Field Supplies			571
Labour			
Stephen Wetherup – geologist	16 days @ $250/day	4,000	
Larry Poznikoff – geologist	17 days @ $250/day	4,250	
Ted Archibald – prospector	18 days @ $240/day	4,320	12,570
Accommodation and Board			
51 person days @ $100/day			5,100
Total			**$ 52,263**

(b) October 2 to 3, 2000

Laboratory		
7 rocks @ $19.00 per sample	133	
16 silts @ $18.00 per sample	288	421
Helicopter		
5.6 hours @ $850/hour		4,760
Transportation		
4X4 truck 2 days @ $75 per day		150

Field Supplies			571
<u>Labour</u>			
Stephen Wetherup – geologist	2 days @ $250/day	500	
Larry Poznikoff – geologist	2 days @ $250/day	<u>500</u>	1,000
<u>Accommodation and Board</u>			
4 person days @ $100/day			<u>400</u>
Total			**$7,302**

Prepared by:

Greg Kulla (B.Sc., P. Geo.)
March 30, 2001

CERTIFICATE

I, Greg Kulla certify to the following:

1. I am a geologist employed by Phelps Dodge Corporation of Canada Limited, 1409-409 Granville Street, Vancouver, BC.

2. I am a Professional Geoscientist registered with the Association of Professional Engineers and Geoscientists of British Columbia.

3. My academic qualifications are:

   B.Sc. Geology, University of British Columbia

4. I have been engaged in geological work since graduation in 1988.

5. I supervised the work program reported herein and am the author of this report.

Greg K. Kulla, B.Sc., P. Geo.
Vancouver, B.C.
March 30, 2001

APPENDIX I

Field Notes and Selected Geochemical Results For Samples

Phelps Dodge Corporation of Canada, Limited
Tenakihi Property Select Field Notes and Geochemical Results

GRID	SAMPLE	TYPE	DATE	NORTH	EAST	EAST nad83	NORTH nadD83	REMARKS	CU ppm	AU ppb	AG ppb	AS ppm
	77791	CHIP	29/08/2000			343590	6229020	2M CHIP SAMPLE. HM-CPY VEINS THROUGHOUT CHL-MT ALT	391.4	0	251	
	77792	CHIP	29/08/2000			343590	6229020	2M CHIP SAMPLE. HM-CPY+/- MT VEINS	486 2	1	160	1.8
	77793	CHIP	29/08/2000			343590	6229020	2M CHIP SAMPLE. ~1M QTZ-MT-CPY VEIN	3901.8	7	966	3.6
	77883	CHIP	29/08/2000			343590	6228965	0-1M, MAGNETITE-CHALCOPYRITE SHEAR IN MONZONITE	31841	41	5197	1.6
	77884	CHIP	29/08/2000			343590	6228965	1-2M, MAGNETITE-CHALCOPYRITE SHEAR IN MONZONITE	6175 3	17	1275	1
	77885	CHIP	29/08/2000			343590	6228965	2-3M, MAGNETITE-CHALCOPYRITE SHEAR IN MONZONITE	5139.6	21	714	1.9
	77886	CHIP	29/08/2000			343590	6228965	3-4M, MAGNETITE-CHALCOPYRITE SHEAR IN MONZONITE	43045	45	9230	4.4
	79100	CHIP	29/08/2000			343580	6229000	0-1M, MALACHITE IN VEIN-LIKE ZONE QUARTZ-CARBONATE	1981.9	6	983	62 2
	79101	CHIP	29/08/2000			343580	6229000	1-2M, MALACHITE IN VEIN-LIKE ZONE QUARTZ-CARBONATE	3707.7	12	2512	206.8
	79102	CHIP	29/08/2000			343580	6229000	2-3M, MALACHITE IN VEIN-LIKE ZONE QUARTZ-CARBONATE	13641	25	10398	3675.7
	79103	CHIP	29/08/2000			343580	6229000	3-4M, MALACHITE IN VEIN-LIKE ZONE QUARTZ-CARBONATE	18569	30	39380	843.1
	79104	CHIP	29/08/2000			343580	6229000	4-5M, MALACHITE IN VEIN-LIKE ZONE QUARTZ-CARBONATE	25581	39	62164	1275 3
	79105	CHIP	29/08/2000			343580	6229000	5-6M, MALACHITE IN VEIN-LIKE ZONE QUARTZ-CARBONATE	20112	29	34296	1048.2
	79106	CHIP	29/08/2000			343580	6229000	6-7M, MALACHITE IN VEIN-LIKE ZONE QUARTZ-CARBONATE	10016	14	4518	34.5
	79107	CHIP	29/08/2000			343580	6229000	7-8M, MALACHITE IN VEIN-LIKE ZONE QUARTZ-CARBONATE	12301	31	8572	86.9
	75417	GRAB	19/09/1999			341745	6227745	CPY & MALACHITE IN QTZ WITH COARSE PY	9617.1	249	82838	7.6
	75468	GRAB	19/09/1999			342000	6227930	MALACHITE & TRACE CPY IN K-ALTERED HORNBLEND GRANI	820 5	5	521	1.8
	75469	GRAB	19/09/1999			342000	6227950	MAGNETITE & KFELDSPAR ALTERED GRANITE IWITH MALACH	4072.1	82	1390	3.8
	75515	GRAB	19/09/1999			343000	6223995	N/S STRIKING JOINT IN EPIDOTE ALTERED & QTZ W/CPY	1295.1	52	643	7
	75516	GRAB	19/09/1999			343325	6224280	BX ZONE IN MONZONITE. MOST CHLORITE & EPIDOTE WITH	658.5	2	576	4.5
	75517	GRAB	19/09/1999			343505	6224410	MONZONITE WITH SULPHIDE FRACTURES & QTZ VEINS, SOM	1145.9	134	658	2.5
	75518	GRAB	19/09/1999			344255	6225190	ALTERED C.G. MONZONITE W/DISS. CPY	273.7	0	132	3.6
	75519	GRAB	19/09/1999			341755	6227745	4% CPY & MALACHITE IN KALTERED MONZONITE	12701	6	3911	14.6
	75544	GRAB	19/09/1999			342000	6227760	PY & CPY IN EPIDOTE VEINLET & K ALTERED GRANITE	166.1	0	94	1
	75545	GRAB	19/09/1999			342000	6227765	20% PY IN EPIDOTE & KFELSPAR ALTERED GRANITE	301.9	7	346	0.5
	75546	GRAB	19/09/1999			341450	6227490	5% CPY ALONG QTZ CARBONATE VEIN	9939.3	375	6303	11.3
	75547	GRAB	19/09/1999			341460	6227490	1 TO 2% CPY IN HOST GRANITE	1196.4	10	372	2
	75556	GRAB	19/09/1999			343000	6223995	OUTCROP TOP OF EAST RIDGE AT HEAD OF VALLEY	8081.1	296	6994	14
	75557	GRAB	19/09/1999			343400	6224425	OUTCROP TOP OF EAST RIDGE, ABOVE TALUS SLOPE	1021.5	6481	2057	183
	75558	GRAB	19/09/1999			343975	6224845	OUTCROP TOP OF EAST RIDGE	5371.2	50	12418	795.7
	75559	GRAB	19/09/1999			344100	6225220	TALUS ON EAST SIDE OF TENAKIHI CREEK	13767	342	6407	54.6
	76423	GRAB	14/08/2000			345840	6222480	FRACTURE ZONE(?) WITH ALTERED CHL/EP WITH CPY, MAL	344.4	5	121	1.1
	76424	GRAB	14/08/2000			345620	6222420	CHL-QTZ BRECCIA WITHIN MONZOSYENITE, TRACE CPY	185.3	1	48	0.5
	76425	GRAB	14/08/2000			345320	6222420	BORNITE/CPY IN CALCITE VEINS WITHIN POTASSICALLY A	2873	5	723	1 2
	76426	GRAB	14/08/2000			345180	6222520	EP/CHL VEIN WITH CPY, PY AND CALCITE	1463.5	17	568	7.4
	76427	GRAB	14/08/2000			345090	6222366	CHLORITIC 15cm WIDE SHEAR WITHIN MONZONITE WITH 1-	3109	9	1284	3.5
	76428	GRAB	15/08/2000			344980	6222600	MONZOSYENITE CUT BY CHL-CHALCOCITE-CPY VEINS	3066.5	6	872	1.3
	76429	GRAB	15/08/2000			344900	6222760	MALACHITE, CPY, BORNITE WITHIN CHLORITIC VEIN IN M	3702.1	15	7325	130.8
	76430	GRAB	15/08/2000			344850	6222700	CPY IN SHEAR ZONE WITH IN MONZOSYENITE	4419 2	78	1647	13.5
	76431	GRAB	15/08/2000			344700	6223400	POTASSICALLY ALTERED C G. MONZOSYENITE WITH EP STR	1249.3	2	479	1 8
	76432	GRAB	15/08/2000			344640	6223400	POTASSIC ALTERED MONZOSY. WITH EP +/- QTZ +/- PY +	1290.1	16	1326	34.9
	76440	GRAB	15/08/2000			343335	6223015	MINOR CPY +/- MALACH. IN CHLORITE-CARBONATE ALTERE	907 8	108	1323	0.9
	76441	GRAB	15/08/2000			343315	6222985	1% CPY + MALACH. IN CARBONATE ALTERED MONZ	1026.3	2	301	0.4
	76442	GRAB	15/08/2000			343490	6223920	MINOR CPY VEINLETS IN ALTERED MONZONITE	3031.8	25	1107	0 5
	76449	GRAB	16/08/2000			343450	6226370	3% PY, 1% CPY IN RUSTY C.G. MONZ.	6059.8	1075	15316	9 1

GRID	SAMPLE	TYPE	DATE	NORTH	EAST	EAST nad83	NORTH nadD83	REMARKS	CU ppm	AU ppb	AG ppb	AS ppm
	76450	GRAB	16/08/2000			344925	6225525	0.5% CPY IN CHLORITIC MONZONITE BRECCIA	1769.3	10	460	3.6
	76451	GRAB	16/08/2000			344900	6225530	TRACE MALACHITE IN CARBONATE-QTZ STOCKWORK IN MONZ	137	2	272	0.8
	76452	GRAB	16/08/2000			344841	6225642	CPY IN 7mm QTZ-V IN ALTERED INTRUSIVE	1929.1	1	598	54.4
	76453	GRAB	16/08/2000			344511	6225599	MINOR CPY AND MALACH IN LIMONITIC QTZ FAULT BRECCI	1745	29	8178	89.6
	76454	GRAB	16/08/2000			344561	6225499	~5% CPY IN LENSE IN ALTERED MONZ	38008	1112	19900	11.2
	76455	GRAB	17/08/2000			343600	6223250	PY AND CPY IN QTZ-EP VEIN 2cm WIDE	1518.6	17	1026	12.5
	76456	GRAB	17/08/2000			343600	6223240	3% CPY >>PY IN HIGH GRADE BOULDER	4769	60	2788	5.8
	76457	GRAB	17/08/2000			343635	6222740	2% CPY IN VEINLETS 2-3mm WIDE IN MONZ	13882	21	9490	6.9
	76458	GRAB	17/08/2000			344100	6222850	CPY VEINLETS <1mm IN QTZ BRECCIA	5737.1	645	6237	42.7
	76464	GRAB	19/08/2000			342820	6227365	PERVASIVE MALACHITE IN MED. GRAINED SYENITE	1001.4	27	665	4.6
	76465	GRAB	19/08/2000			342820	6227365	MASSIVE CPY IN 4cm CARBONATE VEIN	68644	1048	19606	4.8
	76468	GRAB	19/08/2000			342730	6227355	MALACHITE ALONG FRACTURES IN GRANITIC TALUS	394.1	4	486	1.1
	76470	GRAB	16/08/2000			345660	6225600	HM, QTZ, EP, CHL VEINING WITHIN EPIDOTIZED AND CLA	84.7	3	64	2.2
	76471	GRAB	16/08/2000			345840	6225320	HM, QTZ, CPY VEIN	1899.6	12	887	30.7
	76472	GRAB	16/08/2000			345940	6225220	MASSIVE HM VEIN 3cm WIDE WITH ~5-10% CPY	2227.5	10	1063	217.5
	76473	GRAB	16/08/2000			346020	6225220	FROTHY, SILICEOUS PYRITIC ROCK	22.8	26	220	34.9
	76474	GRAB	17/08/2000			340482	6226446	DISSEM. CPY WITHIN AN APLITE DYKE	4188.6	100	2549	2.2
	76475	GRAB	17/08/2000			340153	6226548	15cm WIDE QTZ VEIN WITH ~5-8% CPY	3235.2	182	4251	6.9
	76476	GRAB	17/08/2000			340152	6226545	C.G. MONZONITE WITH CPY STRINGERS	1886.5	16	1685	1.1
	76483	GRAB	19/08/2000			341340	6227544	C.G. MONZ WITH AN EP-CPY FRACTURE ZONE ~ 30cm WIDE	4743.1	6	1959	1.1
	76484	GRAB	19/08/2000			341487	6227543	SILICEOUS FAULT GOUGE WITH MALACHITE STAINING	4977.1	6	1195	7.4
	76485	GRAB	19/08/2000			341699	6227728	M.G. MONZ. WITH MALACHITE AND CPY ALONG FRACTURES	529.5	21	398	1.4
	76486	GRAB	20/08/2000			342714	6224614	QTZ VEINS IN MONZONITE	32.6	2	24	0.7
	76487	GRAB	20/08/2000			343460	6225580		2596.4	85	1199	11.2
	76488	GRAB	20/08/2000			343610	6225700	FE-CARBONATE ALTERED FAULT ZONE WITH A SMALL ZONE	18996	3	360	4.6
	76490	GRAB	21/08/2000			344992	6225702	TALUS SLIDE WITH ABUNDANT CHLORITIZED FRAGMENTS	3093.3	3	494	14.1
	76492	GRAB	22/08/2000			340290	6224840	PYRITIC F.G. SYENITE DYKE	382.9	8	377	2.2
	76493	GRAB	22/08/2000			340210	6224830	FE-CARBONATE ALTERED FAULT ZONE	38	0	113	8.2
	76494	GRAB	22/08/2000			340305	6225160	CPY-PY EP VEIN WITH MALACHITE STAINING	1663.4	4	191	0.9
	76495	GRAB	23/08/2000			344200	6228480	EP-PY-HM-QTZ VEIN WITHIN CHL-EP ALTERATION	35.4	11	815	55.5
	76496	GRAB	23/08/2000			344150	6228480	CPY-MOLY-QTZ VEINS WITHIN POTASSICALY ALTERED C.G	2253.1	89	885	2.8
	76497	GRAB	23/08/2000			344150	6228480	F.G. POTASSICALY ALTERED SYENITE(?) CUT BY STOCKWO	1712.4	2	453	1.8
	76498	GRAB	23/08/2000			344070	6228465	SHEAR ZONE WITH MASSIVE MT AND DISSEM. CPY	9756.6	10	6639	23.4
	76499	GRAB	23/08/2000			343980	6228445	F.G. SYENITE CUT BY STOCKWORK OF EP-CPY VEINLETS	614.9	6	256	2.3
	77095	GRAB	14/08/2000			342555	6223225	~ 2% CPY AND MALACHITE IN C.G. MONZOSYENITE OR ALT	3708.6	5	3158	2.5
	77096	GRAB	14/08/2000			342945	6222740	3cm QTZ VEIN CUTTING ALTERED MONZ WITH MINOR MALAC	2851	79	2337	16.1
	77097	GRAB	14/08/2000			342965	6222740	5-6% CPY AND PY IN POTASSIC ALTERED C.G. MONZ	14340	1058	8187	3.2
	77098	GRAB	14/08/2000			343225	6222690	MINOR CPY DISSEM. IN POTASSIC ALTERED MONZ	508.2	13	265	0.2
	77220	GRAB	16/08/2000			345660	6225740	PY AND HEM STAINS IN FELSIC INTRUSIVE	40.6	26	288	37.5
	77221	GRAB	16/08/2000			325660	6225660	BRECCIA WITH PY, CPY AND HEMATITE	32.1	8	125	26
	77222	GRAB	16/08/2000			345820	6225400	PY AND MALACHITE ALONG SLICKENSLIDE SURFACE	33861	47	19905	46.8
	77223	GRAB	16/08/2000			345420	6225270	PY, CPY(?) AND HEMATITE IN BRECCIA	137.7	15	336	56.7
	77235	GRAB	19/08/2000			342058	6226945	THREE QTZ VEINS 1-2M WIDE, UNMINERALIZED	98.2	8	747	33.7
	77236	GRAB	19/08/2000			342058	6226945	WEAKLY LIMONITIC, SLIGHTLY VUGGY	56.2	79	1833	15.2
	77237	GRAB	19/08/2000			342058	6226945	WEAKLY CHLORITIC VEIN MATERIAL	26.2	7	2600	11.3
	77238	GRAB	19/08/2000			342058	6226945	LIMONITIC BOXWORK IN QUARTZ	25	1	282	18.2
	77239	GRAB	19/08/2000			342058	6226945	QTZ VEIN	25.4	4	225	38.4
	77240	GRAB	19/08/2000			342058	6226945	SILICIFIED INTRUSIVE	12.3	4	399	95.9
	77241	GRAB	19/08/2000			342058	6226945	ALTERED INTRUSIVE BETWEEN VEINS	38.3	2	71	6.8
	77242	GRAB	20/08/2000			342300	6228200	CPY AND MALACH. IN QTZ VEIN	808	1	678	0.9
	77243	GRAB	22/08/2000			344430	6225100	MALACHITE, CPY, PY IN FELSIC INTRUSIVE	6765.9	609	9569	29.4
	77244	GRAB	22/08/2000			344560	6224650	MALACHITE IN FAULT BRECCIA	1333.4	26	1102	149.6

GRID	SAMPLE	TYPE	DATE	NORTH	EAST	EAST nad83	NORTH nadD83	REMARKS	CU ppm	AU ppb	AG ppb	AS ppm
	77246	GRAB	29/08/2000			343730	6228950	SAMPLE OF 1M WIDE CPY-QTZ-MT VEIN, ALSO CHIP SAMPL	20131	58	6490	9.9
	77247	GRAB	29/08/2000			343730	6228950	QTZ-Fe-CARB BRECCIA WITH DISSEM PY AND CPY	38.4	4	1840	7.6
	77248	GRAB	29/08/2000			343730	6228950	M.G. MONZONITE WITH SHEETED QTZ VEINS, 1 EVERY 2-5	835.3	9	139	0.5
	77377	GRAB	14/08/2000			342810	6223185	QTZ DIORITE WITH A 2mm QTZ VEIN, CPY IN VEIN, ON F	565.8	28	411	1.6
	77378	GRAB	14/08/2000			342930	6223275	SILICEOUS GRANODIORITE WITH A 3cm LAYER OF CPY. MA	4065.8	67	6280	15.1
	77379	GRAB	14/08/2000			343000	6223700	GRANODIORITE WITH 2.5cm QTZ VEIN WITH CPY, SOME CP	1230.9	152	645	1.1
	77380	GRAB	14/08/2000			343115	6223150	GRANODIORITE WITH MALACHITE AND CPY ON FRACTURES	1662.5	13	1566	1.4
	77386	GRAB	15/08/2000			343218	6223309	SKARNIFIED INTRUSIVE ALONG FAULT	136.8	3	127	1.9
	77387	GRAB	15/08/2000			343220	6223310	2-3% FINELY DISSEM. PY IN SMALL GOSSANOUS DYKE	983.4	56	723	1.6
	77388	GRAB	15/08/2000			343350	6223310	SILICEOUS CPY-RICH LENSE OR VEIN	10370	399	6026	36.1
	77391	GRAB	16/08/2000			345356	6225099	SERPENTINIZED DIORITE WITH QTZ BANDS AND TRACE CPY	772.8	4	448	1.9
	77392	GRAB	17/08/2000			343000	6224000	SLIGHTLY CHLORITIC DIORITE WITH MINOR DISSEM. CPY	1059.3	34	735	3.8
	77393	GRAB	17/08/2000			343440	6224450	WHITE BULL QTZ IN TALUS	18.7	3	27	0.7
	77394	GRAB	17/08/2000			343490	6224450	CPY AND MOLYBDENITE IN QTZ DIORITE	590.1	66	324	4.3
	77395	GRAB	17/08/2000			343570	6224450	HORNFELS-LOOKING INTRUSIVE WITH PY AND PYHRROTITE	113.2	3	40	3.5
	77396	GRAB	17/08/2000			343850	6224460	SILICIFIED INTRUSIVE OR VEIN MATERIAL WITH CPY AND	1802.4	27	1142	3.2
	77397	GRAB	17/08/2000			343850	6224460	CHERTY LOOKING ROCK NEAR SAMPLE 77396 WITH MALACHI	1546.7	33	208	4.2
	77398	GRAB	17/08/2000			343850	6224460	NEAR SAMPLES 77396, 97, MORE QTZ AND LIMONITIC	2380.8	51	8433	24.2
	77399	GRAB	19/08/2000			343055	6227305	JUST BELOW GOSSAN ON CLAIM LINE, ANKERITIC SYENITE	180.9	3	339	5.2
	77537	GRAB	22/08/2000			343466	6226654	F.G. SYENITE WITH MALACHITE AND CPY DISSEMINATED A	5611.5	27	3636	1.7
	77538	GRAB	22/08/2000			344416	6227049	UNMINERALIZED F.G. "CHERTY" CHILL MARGIN BESIDE DY	29.4	2	98	9
	77539	GRAB	22/08/2000			344691	6227219	F.G. SILICIFIED INTRUSIVE	41.4	1	109	1.2
	77542	GRAB	23/08/2000			341660	6222950	SILICIFIED INTRUSIVE FROM A FAULT/SHEAR ZONE, UNMI	84.2	31	82	
	77543	GRAB	23/08/2000			341860	6223085	DIORITE WITH MALACHITE STAINING ASSOCIATED WITH E-	12503	8	81	0.5
	77544	GRAB	23/08/2000			342305	6223100	10cm WIDE QTZ VEIN IN INTRUSIVE WITH LARGE BLEBS O	44895	117	28114	176.2
	77545	GRAB	23/08/2000			342360	6223340	QTZ DIORITE WITH CPY DISSEMINATED AND ALONG FRACTU	1380.6	32	741	2
	77546	GRAB	23/08/2000			342420	6223405	TWO QTZ VEINS UP TO 25cm WIDE WITH PY, CPY, MALACH	1357.6	175	3800	45.4
	77558	GRAB	24/08/2000			344175	6228510	SHEARED INTRUSIVE WITH CPY AND MALACHITE, BESIDE #	1228.2	3	480	6.1
	77559	GRAB	24/08/2000			344050	6228595	IRON CARBONATE WITH QTZ	16.4	1	41	0.7
	77560	GRAB	24/08/2000			344050	6228595	CPY AND MALACHITE IN SHEARED INTRUSIVE	1386.4	1	922	5.4
	77566	GRAB	24/08/2000			344010	6228625	ORTHOCLASE WITH SOME QTZ, BLEBS OF CPY AND MALACHI	475.7	1	48	2.6
	77570	GRAB	24/08/2000			343800	6228760	SYENITE WITH STRINGERS AND BLEBS OF HEMATITE WITH	15.5	1	23	5
	77581	GRAB	25/08/2000			344565	6228735	SILICIFIED, ALTERED, AND BRECCIATED SYENITE WITH C	1279	3	376	3.9
	77749	GRAB	23/08/2000			341590	6226965	PART OF LARGE MALACHITE STAINED FACE S. OF 4X4 CLA	5816.4	62	3404	7
	77757	GRAB	24/08/2000			344460	6229160	TAKLA BASALT WITH CARBONATE MATRIX AND CPY WITH MA	4358.2	16	2070	7.3
	77794	GRAB	25/08/2000			344020	6228990	MT-CPY VEIN (~30% CPY)	32016	15	5601	3.2
	77795	GRAB	25/08/2000			343745	6228960	~40cm WIDE MT-QTZ-CPY ZONE	17696	57	4243	29.9
	77796	GRAB	25/08/2000			343670	6228980	MT-CHL-CPY INFILLED FAULT ZONE	24571	39	6456	26.5
	77797	GRAB	25/08/2000			343620	6229000	COPPER ZONE AT FOOT OF CLIFF AT 16+70E ON SOIL LIN	4939.5	7	773	6.9
	77798	GRAB	25/08/2000			343570	6229010	F.G. SYENITE ENCRUSTED WITH MALACHITE AT 16+00E ON	5157.9	2	165	1.6
	77799	GRAB	25/08/2000			342930	6229640	F.G. SYENITE WITH ABUNDANT MALACHITE STAINED FRACT	1785.6	1	35	0.9
	77800	GRAB	19/08/2000			342700	6227320	MASSIVE CPY AND MOLY IN GRANITIC DYKE	27966	436	19763	27
	77802	GRAB	19/08/2000			342610	6227315	MINOR MALACHITE, CPY +/- BORNITE IN POTASSICALLY A	4097.6	8	239	1.6
	77847	GRAB	22/08/2000			344400	6225015	0.5% CPY AND TRACE PY IN MED. GR. SYENITE(?) DYKE	1430.1	8	903	1.9
	77852	GRAB	23/08/2000			343440	6223520	MINOR DISSEM. CPY AND PY IN MODERATELY ALTERED MON	563.5	23	287	0.8
	77853	GRAB	23/08/2000			343270	6223705	MALACHITE ENVELOPE AROUND 1cm RUSTY QTZ-VEIN IN MO	1162.4	67	1745	14.5
	77854	GRAB	23/08/2000			343205	6223540	LIMONITIC SULPHIDE POD 3cm LONG ON BOULDER WITH SH	4234.7	164	6846	188.8
	77855	GRAB	23/08/2000			343315	6223470	MINOR CPY IN EP, K-FELD, AND BIOT. ALTERED MONZONI	166	4	154	1.3
	77856	GRAB	23/08/2000			343555	6223410	EP/QTZ VEIN 2cm WIDE WITH 3% CPY AND MALACHITE	3669.6	24	3604	8.3
	77857	GRAB	23/08/2000			343570	6223370	HIGH GRADE POD OF PY>MOLY>CPY IN K-ALTERED MONZ	8098.8	48	5814	25
	77861	GRAB	24/08/2000			342750	6229870	5% MALACHITE IN QTZ VEINED AND K ALTERED F.G. MONZ	2103.7	35	3964	6.5
	77862	GRAB	24/08/2000			342830	6229855	HEMATITIC, CHLORITIC MONZ WITH <3mm CARBONATE VEIN	4025	181	2166	8.8

GRID	SAMPLE	TYPE	DATE	NORTH	EAST	EAST nad83	NORTH nadD83	REMARKS	CU ppm	AU ppb	AG ppb	AS ppm
	77863	GRAB	24/08/2000			342805	6229765	1 5cm EPIDOTE VEIN IN C.G. MONZ WITH CPY IN CLOTS	2759.1	14	2162	5.7
	77891	GRAB	01/10/2000			335056	6231408	ONE SPECK CPY +/- BORN? IN CHLORITIZED HORNBLENDS	114.03	6.7	139	1.6
	77892	GRAB	01/10/2000			335081	6231308	K AND EP ALTERED MONZ WITH MINOR CPY	264.54	9.9	228	1
	77893	GRAB	01/10/2000			335081	6231308	MINOR CPY CONCENTRATED IN HORNBLENDE IN MODERATELY	404.98	6.3	276	1.1
	77894	GRAB	01/10/2000			335206	6231308	CPY VEINLETS UP TO 3mm WIDE IN MODERATELY ALTERED	3516.58	119	1078	1.4
	78500	GRAB	02/10/2000			336706	6227733	LIMONITIC VUGGY QTZ VEINS <5cm WIDE WITH SUB TO EU	103	9 2	115	1.2
	79548	GRAB	01/10/2000			342006	6222233	LAKE SEDIMENT/MUD	501 21	4.3	246	1.3
	79555	GRAB	02/10/2000			340831	6222958	2cm QTZ VEIN IN MONZONITE WITH CPY, MOLY. AND MALA	5341.29	122.7	2854	2.7
	77384	MOSS	15/08/2000			340906	6231208	NO SILT IN CREEK, HAD TO TAKE MOSS MATTE	369.4	5	533	1 3
	75486	SILT	19/09/1999			340325	6230100	MAIN CREEK 100 M ABOVE JUNCTION	142.6	5	96	1.6
	75487	SILT	19/09/1999			340350	6230610	CREEK ON LEFT. RGS SAMPLE SITE	156.5	9	142	1.4
	75488	SILT	19/09/1999			340900	6230950	SMALL CREEK ON RIGHT	172.3	3	146	2.1
	75489	SILT	19/09/1999			340975	6231050	MAIN CREEK ABOVE JUNCTION	151.5	17	130	1.9
	75548	SILT	19/09/1999			338175	6229000	CREEK ON LEFT AT RGS SITE	141.3	8	85	2.5
	75549	SILT	19/09/1999			340450	6230025	CREEK ON RIGHT. 200 TO 300 M ABOVE MAIN CREEK JUNC	180.5	4	95	4.6
	75560	SILT	19/09/1999			344265	6226725	CREEK DRAINING EAST	210.1	6	152	3.3
	75561	SILT	19/09/1999			344510	6226545	TRIBUTARY DRAINING NORTHWEST	226.2	147	772	67.5
	76433	SILT	16/08/2000			340150	6222100	VERY LITTLE SILT	387	34	183	2
	76434	SILT	16/08/2000			341850	6226300	N. TRIBUTARY OF TENAKIHI CREEK	182.4	10	332	29
	76435	SILT	15/08/2000			337306	6227213	FROM LAKE DELTA OF CREEK FROM THE WEST	272.5	17	127	3.9
	76436	SILT	15/08/2000			337406	6226958	CREEK FLOWING INTO LAKE FROM SOUTH	355.9	9	158	2.3
	76437	SILT	15/08/2000			340611	6228454	VERY FINE SILT IN FLAT MARSHY AREA	208.3	10	180	7.1
	76438	SILT	15/08/2000			343506	6233358	CREEK ON R. 200M ABOVE THANE JUNCTION	125	21	213	80.7
	76439	SILT	15/08/2000			336781	6225058	UPPER BASIN OF W. FLOWING STREAM INTO OSILINKA	488.6	13	362	5
	76443	SILT	15/08/2000			343620	6223170	V. FINE SILT, CREEK 50M BELOW ROCK GLACIER	555	17	296	5
	76444	SILT	15/08/2000			343620	6223200	50M ABOVE JUNCTION WITH GLACIER FED CREEK	326.3	12	176	16.2
	76445	SILT	16/08/2000			336656	6222958	CREEK FLOWING INTO OSILINKA ABOVE LOGGING ROAD	260.2	7	129	1.6
	76446	SILT	16/08/2000			339766	6222058	~500M DOWNSTREAM FROM STEVE'S SAMPLE # ?	375.8	187	397	1 8
	76447	SILT	16/08/2000			342200	6225255	TENAKIHI CREEK	220.1	8	399	25.6
	76448	SILT	16/08/2000			343390	6226430	MAIN TENAKIHI CREEK ~300M ABOVE LAKE	119.8	9	109	9.3
	76459	SILT	17/08/2000			344255	6223100	MAIN CREEK ABOVE LAKE	373.1	13	204	9.6
	76460	SILT	17/08/2000			344345	6223055	CREEK ON R. FLOWING INTO LAKE	251.4	17	259	3.6
	76469	SILT	16/08/2000			345700	6225600	SMALL POND WITHIN CREEK JUST DOWN FROM LAKE	173.9	4	232	4.7
	76491	SILT	22/08/2000			340340	6224895	JUST PAST BEND AND BELOW WATERFALL	159.4	9	186	5.4
	77099	SILT	15/08/2000			338756	6230908	GOOD SILT NEAR HEADWATERS OF THANE CREEK	136.6	4	70	1.9
	77211	SILT	15/08/2000			337256	6231358		176.1	9	101	1.6
	77212	SILT	15/08/2000			338606	6227849	SILT SAMPLE FROM POINT BAR	131.8	8	54	1.8
	77213	SILT	15/08/2000			341806	6230099	FINE SILT	365.2	9	587	5.1
	77214	SILT	15/08/2000			342956	6232058		247.3	16	280	140.3
	77215	SILT	15/08/2000			335156	6226758		202.2	4	222	2.6
	77216	SILT	15/08/2000			335666	6223958	JUST ABOVE LOGGING ROAD	132.5	4	84	1 6
	77217	SILT	16/08/2000			337381	6221608	JUST ABOVE LOGGING ROAD	251.9	7	155	1.3
	77218	SILT	16/08/2000			338706	6220308	FROM 30-40M ABOVE ROAD	142.6	7	75	1
	77219	SILT	16/08/2000			339856	6224508		121 6	8	72	1 8
	77381	SILT	15/08/2000			336156	6231708	VERY COARSE SILT, LOTS OF INTRUSIVE ROCK IN CREEK	441 8	27	203	4.3
	77382	SILT	15/08/2000			336656	6229383	COARSE SILT	233.8	9	107	2.5
	77383	SILT	15/08/2000			338956	6228958	6M WIDE, VERY ROCKY CREEK 1.5 PAN SAMPLE	192 7	8	164	2 5
	77385	SILT	15/08/2000			334956	6225508	FAST FLOWING CREEK, SLIT FROM GRAVEL BAR	207 5	6	104	1.6
	77389	SILT	16/08/2000			342450	6224100	COARSE SILT, DIORITE COBBLES IN 2M WIDE CREEK	212.7	22	92	6.9
	77390	SILT	16/08/2000			345631	6227824	FAST FLOWING CREEK. 6M WIDE, DIORITE COBBLES	135 6	5	88	8.2
	77536	SILT	21/08/2000			344420	6226750	MUCKY SILT	195	22	1017	59.4
	77540	SILT	22/08/2000			344856	6227264	SIDE CREEK, COARSE MATERIAL "SCREENED" BY HAND	152 8	7	134	4 2

GRID	SAMPLE	TYPE	DATE	NORTH	EAST	EAST nad83	NORTH nadD83	REMARKS	CU ppm	AU ppb	AG ppb	AS ppm
	77541	SILT	22/08/2000			344150	6226810	ABOVE CREEK JUNCTION	138.2	13	192	2.6
	77547	SILT	23/08/2000			342420	6224120	ONE PANFUL, VERY COARSE -8 MESH	253.8	25	83	5.7
	77750	SILT	24/08/2000			343269	6230518	JUST BEFORE DROP OFF AT UPPER FLATS	195.5	10	151	3.1
	77751	SILT	24/08/2000			343497	6230100	SECOND FLAT BEFORE ANOTHER STEEP SECTION	236.3	5	172	3.6
	77752	SILT	24/08/2000			343745	6229842	BELOW JUNCTION OF CREEK FLOWING EAST	190.2	5	148	3.3
	77753	SILT	24/08/2000			344237	6229748	COULD NOT FIND N. TRIB. MAY BE JUST A SEEP	175.2	6	178	4.9
	77754	SILT	24/08/2000			344677	6229696	AT MAIN JUNCTION, N. CREEK	150.6	3	254	4.4
	77755	SILT	24/08/2000			344717	6229675	S. CREEK, LARRY WAS TRAVERSING	204	8	170	7.3
	77756	SILT	24/08/2000			344465	6229190	FLAT ABOVE WATERFALL ON S. CREEK	259.1	10	331	7.5
	77845	SILT	21/08/2000			344100	6226920	40M DOWN CREEK FROM SAMPLE # 77853	144.7	6	141	2.7
	77848	SILT	22/08/2000			344615	6225125	STREAM ON N. SIDE OF CIRQUE	144.3	5	220	10.9
	77849	SILT	22/08/2000			344585	6225005	CREEK FLOWING OUT OF LAKE, ABOVE JUNCTION WITH CRE	145.6	5	114	4.7
	77850	SILT	22/08/2000			344940	6224750	MAIN CREEK	208.7	6	230	6.9
	77851	SILT	22/08/2000			344895	6224620	CREEK ON RIGHT	379.3	8	432	7.6
	77858	SILT	23/08/2000			343745	6223675	MAIN CREEK FROM LAKE	181.1	55	81	20.4
	77859	SILT	23/08/2000			343825	6223470	CREEK ON RIGHT	440.2	11	365	23.3
	77860	SILT	23/08/2000			344180	6223050	CREEK ON RIGHT FLOWING INTO LAKE	407.4	16	264	11.4
	77864	SILT	24/08/2000			343510	6229400		459.9	12	535	8
	77865	SILT	24/08/2000			344000	6229160	~500M DOWNSTREAM FROM #77864	270.4	6	324	5.5
	77887	SILT	01/10/2000			335831	6231008	JUST BELOW SMALL LAKE	102.23	13.8	350	4.3
	77888	SILT	01/10/2000			336856	6240133		136.46	5.2	67	3.9
	77889	SILT	01/10/2000			336806	6232508	~300M BELOW SMALL LAKE	133.96	6.5	83	3.2
	77890	SILT	01/10/2000			337806	6233858	MAIN CREEK, BELOW UPPER CIRQUE	111.09	7.8	74	3.2
	77895	SILT	01/10/2000			341356	6224358	50M BELOW LAKE NEAR TENAKIHI CREEK HEADWATERS	322.82	5.5	142	0.9
	77896	SILT	01/10/2000			342616	6221988	40M BELOW SMALL LAKE	152.88	12.7	369	12.5
	77897	SILT	01/10/2000			343406	6220983	NO SILT IN CREEK BED, SAMPLE FROM MUDDY SIDE POOL	77.62	1.3	330	1
	77898	SILT	01/10/2000			343281	6221158	MAIN CREEK	127.65	8.4	222	2.6
	77899	SILT	01/10/2000			347906	6227058	ABOVE JUNCTION WITH CREEK ON RIGHT	182.96	7.9	187	12.9
	79547	SILT	01/10/2000			335917	6231027		205.31	5.3	154	15.2
	79549	SILT	01/10/2000			342081	6221608		289.79	8.7	1841	27.7
	79550	SILT	01/10/2000			342056	6221583		169.67	4.5	173	6.6
	79551	SILT	01/10/2000			342056	6221583		90.63	9.5	50	1.6
	79552	SILT	01/10/2000			348111	6227008	SAMPLE 79552 TAKEN ~150M E. OF 79553	232.95	49.3	272	18.1
	79553	SILT	01/10/2000			347966	6226983	SAMPLE 79553 TAKEN ABOVE JUNCTION WITH MAIN CREEK	177.85	3	172	13.3
	79554	SILT	01/10/2000			347528	6226940		174.74	4.2	117	12.8
	76461	SOIL	19/08/2000			343060	6227295	10M S. OF LAKE	34	3	156	1.2
	76462	SOIL	19/08/2000			342980	6227315	FINE TALUS BELOW ROCK FACE	100.8	2	88	2.5
	76463	SOIL	19/08/2000			342890	6227355	FINE TALUS BELOW ROCK CHUTE IN CLIFF FACE	351.5	3	152	3.1
	76466	SOIL	19/08/2000			342815	6227340	F.G. TALUS BELOW ROCK FACE	212.3	4	252	3.3
	76467	SOIL	19/08/2000			342730	6227335	FINE TALUS BELOW C.G. MONZ ROCK FACE	562.4	23	1727	25.5
	77224	SOIL	19/08/2000			342970	6227280		78.9	2	64	2.2
	77225	SOIL	19/08/2000			342915	6227190	JUST BELOW MONZONITE O/C	110.9	1	43	2
	77226	SOIL	19/08/2000			342850	6227085		280.6	2	115	3
	77227	SOIL	19/08/2000			342750	6227040	BESIDE O/C OF MONZONITE	133.4	4	951	6.2
	77228	SOIL	19/08/2000			342660	6226985	SAMPLE FROM MOSS ROOTS	108.2	2	352	5.7
	77229	SOIL	19/08/2000			342560	6226960	TALUS FINES	109.3	70	3488	25.2
	77230	SOIL	19/08/2000			342460	6226950	ON TOP OF O/C	97.1	164	442	6.6
	77231	SOIL	19/08/2000			342360	6226950	ON TALUS SLOPE, MOSTLY MONZ, ONE SYENITE BOULDER W	206.3	4	759	8.3
	77232	SOIL	19/08/2000			342270	6226940	FROM PLANT ROOTS	132.1	7	326	3.9
	77233	SOIL	19/08/2000			342160	6226910	BETTER SOIL HERE, 1705M ELEVATION	99.5	4	402	4.7
	77234	SOIL	19/08/2000			342060	6226910		197.1	16	510	13.8
	77500	SOIL	20/08/2000			344405	6228300	SOIL CONTOUR 0M, TALUS BOULDERS AND A LITTLE DIRT.	174	1	173	5.6

GRID	SAMPLE	TYPE	DATE	NORTH	EAST	EAST nad83	NORTH nadD83	REMARKS	CU ppm	AU ppb	AG ppb	AS ppm
	77501	SOIL	20/08/2000			344405	6228205	100M TO THE SOUTH, MIXED DIRT AND PEBBLY TALUS FIN	298.3	1	55	5.8
	77502	SOIL	20/08/2000			344405	6228100	200M TO THE SOUTH, WELL BELOW TREELINE BUT STILL L	186.2	12	101	4.6
	77503	SOIL	20/08/2000			344315	6228010	100M ALONG CONTOUR ELEV. 1590M	184.8	3	66	3.7
	77504	SOIL	20/08/2000			344300	6227935	200M	129.4	2	252	3.6
	77505	SOIL	20/08/2000			344170	6227880	300M	202.9	10	65	5.1
	77506	SOIL	20/08/2000			344125	6227790	400M, TRACE CPY IN TALUS BOULDER NEAR SAMPLE	90.4	3	119	2.5
	77507	SOIL	20/08/2000			344040	6227735	500M, DIRECTLY OVER DIORITE BEDROCK	20	3	76	1.3
	77508	SOIL	20/08/2000			343940	6227710	600M	56.8	29	124	1.9
	77509	SOIL	20/08/2000			343830	6227710	700M. LARGE TALUS BOULDERS	50.9	3	110	3
	77510	SOIL	20/08/2000			343730	6227700	800M	36.9	2	219	2
	77511	SOIL	20/08/2000			343630	6227710	900M	82.6	6	273	3.6
	77512	SOIL	20/08/2000			343550	6227670	1000M, CREEK AT ~1025M	218.6	4	557	3.1
	77513	SOIL	20/08/2000			343560	6227900	SOIL CONTOUR 0M, AT BASE OF CLIFF ELEV. 1680M	415.8	4	109	5.1
	77514	SOIL	20/08/2000			343460	6227920	100M, TALUS SLOPE, MIX OF SOIL AND TALUS FINES	312.8	5	115	5.8
	77515	SOIL	20/08/2000			343360	6227950	200M	230.6	6	105	8.8
	77516	SOIL	20/08/2000			343260	6227965	300M, LINE RUNS NW FROM THIS POINT	66.7	5	106	2.3
	77517	SOIL	20/08/2000			343200	6228040		146.5	12	158	5.4
	77518	SOIL	20/08/2000			343125	6228105		160.6	8	80	4.3
	77519	SOIL	21/08/2000			343270	6226200	SOIL CONTOUR 0M, FOREST AND TALUS BOULDERS, 1320M	48.3	27	247	22.7
	77520	SOIL	21/08/2000			343350	6226260	100M, ORGANICS ONLY? LITTLE TO NO SOIL IN MOSS MAT	15.9	3	57	7.9
	77521	SOIL	21/08/2000			343430	6226315	200M, ORGANICS ONLY? LITTLE TO NO SOIL IN MOSS MAT	56.7	2	335	1.1
	77522	SOIL	21/08/2000			343525	6226355	300M, POOR SOIL AMONG TALUS BOULDERS	105	24	251	17.8
	77523	SOIL	21/08/2000			343610	6226410	400M	280.8	7	484	13.6
	77524	SOIL	21/08/2000			343705	6226450	500M	45.6	25	87	10.6
	77525	SOIL	21/08/2000			343785	6226500	600M	159.9	18	231	59.7
	77526	SOIL	21/08/2000			343860	6226560	700M, 1330M ELEVATION	185.5	4	135	8.2
	77527	SOIL	21/08/2000			343945	6226610	800M	74.7	4	385	4.6
	77528	SOIL	21/08/2000			344030	6226660	900M	22.1	2	34	1.8
	77529	SOIL	21/08/2000			344220	6226715	1100M, NO SAMPLE POSSIBLE AT 1000M	95.7	11	118	3.6
	77530	SOIL	21/08/2000			344320	6226700	1200M, NEAR CREEK	61	5	66	6.6
	77531	SOIL	21/08/2000			344420	6226680	1300M	229.9	6	217	8.5
	77532	SOIL	21/08/2000			344510	6226690	1400M	86.8	7	64	6.8
	77533	SOIL	21/08/2000			344600	6226735	1500M, ROCKY	64.2	7	114	5.4
	77534	SOIL	21/08/2000			344695	6226765	1600M, ROCKY	84.1	6	268	5
	77535	SOIL	21/08/2000			344795	6226790	1700M, OLD E-W CUT LINE	20.3	9	278	3.1
	77548	SOIL	24/08/2000			344360	6228300	SOIL CONTOUR, MIXED DIRT AND TALUS FINES	197.1	3	116	3.7
	77549	SOIL	24/08/2000			344310	6228300	SOIL CONTOUR 0M, VERY PEBBLY, BASICALLY TALUS FINE	433	3	112	1.8
	77550	SOIL	24/08/2000			344280	6228345	50M, MIXED DIRT AND TALUS FINES, 1700M ELEV.	326.1	3	119	4.8
	77551	SOIL	24/08/2000			344240	6228380	100M, VERY PEBBLY	295.6	2	84	5.5
	77552	SOIL	24/08/2000			344205	6228420	150M, PEBBLY	284.3	4	199	7.9
	77553	SOIL	24/08/2000			344185	6228460	200M, MAINLY TALUS FINES	395.7	4	216	5.6
	77554	SOIL	24/08/2000			344175	6228510	250M	451.3	2	395	7.2
	77555	SOIL	24/08/2000			344185	6228565		451.7	4	238	8.9
	77556	SOIL	24/08/2000			344130	6228540		505.4	3	249	7.1
	77557	SOIL	24/08/2000			344050	6228595	1730M ELEVATION	469.6	4	289	10
	77561	SOIL	24/08/2000			344010	6228625	1750M ELEVATION	442	3	245	7.8
	77562	SOIL	24/08/2000			343970	6228650	1770M ELEVATION	404	6	324	9.2
	77563	SOIL	24/08/2000			343925	6228675	1785M ELEVATION	338.2	28	171	9
	77564	SOIL	24/08/2000			343880	6228705	1800M ELEVATION	585.8	4	167	6.8
	77565	SOIL	24/08/2000			343840	6228730	1815M ELEVATION	407.8	4	971	8.6
	77567	SOIL	24/08/2000			343800	6228760	1830M ELEVATION	365.5	7	3301	14.8
	77568	SOIL	24/08/2000			343760	6228785	1850M ELEVATION	497.7	3	147	12.6

GRID	SAMPLE	TYPE	DATE	NORTH	EAST	EAST nad83	NORTH nadD83	REMARKS	CU ppm	AU ppb	AG ppb	AS ppm
	77569	SOIL	24/08/2000			343710	6228815	1870M ELEVATION	349.1	6	168	13.3
	77571	SOIL	25/08/2000			344060	6228845	SOIL CONTOUR 0M	317.3	1	170	6.5
	77572	SOIL	25/08/2000			344155	6228815	100M, 1850M ELEVATION	207.5	1	127	6
	77573	SOIL	25/08/2000			344210	6228800	150M, 1840M ELEV.	57.9	5	58	3.7
	77574	SOIL	25/08/2000			344255	6228785	200M	74.6	4	99	4.5
	77575	SOIL	25/08/2000			344300	6228770	250M, 1825M ELEV.	89.5	4	205	5.1
	77576	SOIL	25/08/2000			344350	6228760	300M	101.6	4	69	5.3
	77577	SOIL	25/08/2000			344400	6228740	350M, 1815M ELEV.	199.2	2	192	6.7
	77578	SOIL	25/08/2000			344445	6228725	400M	79.6	0	218	8
	77579	SOIL	25/08/2000			344500	6228710	450M, 1810M ELEV.	128.9	1	65	7.3
	77580	SOIL	25/08/2000			344540	6228720	1805M ELEV.	88	1	239	4
	77700	SOIL	20/08/2000			343330	6224940	BOULDER FIELD UP TO HERE, SAMPLE OF TALUS FINES	367.3	50	121	7
	77701	SOIL	20/08/2000			343220	6224900	TALUS	565.2	69	420	44.3
	77702	SOIL	20/08/2000			343170	6224890	SOME ROOTS IN TALUS	465.8	66	250	34
	77703	SOIL	20/08/2000			343085	6224890	JUST ABOUT TO CROSS BOULDER SLIDE	525.6	18	269	54.3
	77704	SOIL	20/08/2000			342980	6224890	ROUNDING RIDGE	217.2	24	129	32.8
	77705	SOIL	20/08/2000			342945	6224770	TALUS FINES	359.2	71	269	57.3
	77706	SOIL	20/08/2000			342910	6224690	2M FROM CREEK DRAINING CIRQUE	208.3	30	165	177
	77707	SOIL	20/08/2000			342835	6224640		224.5	26	267	263.2
	77708	SOIL	20/08/2000			342745	6224595	TALUS FINES	317.9	41	97	4.2
	77709	SOIL	20/08/2000			342645	6224585	AT RIDGE BETWEEN CIRQUES	416.2	41	210	3
	77710	SOIL	20/08/2000			343445	6225000	BOTTOM OF CIRQUE	209.6	40	231	32.3
	77711	SOIL	20/08/2000			343480	6225085		98.8	8	221	11.2
	77712	SOIL	20/08/2000			343465	6225185	CLOSE TO REAL SOIL	112.8	10	292	22.6
	77713	SOIL	20/08/2000			343435	6225275	AT END OF LANDSLIDE	123.3	12	132	36.8
	77714	SOIL	20/08/2000			343420	6225360		274.7	59	2671	758.4
	77715	SOIL	20/08/2000			343395	6225450		81.1	19	308	223
	77716	SOIL	20/08/2000			343415	6225550	ROUNDING RIDGE	259	52	1598	519
	77717	SOIL	20/08/2000			343490	6225620	SEVERAL LIMONITIC ZONE. LAST 100M	132.1	16	607	201.6
	77718	SOIL	20/08/2000			343570	6225685	LIMONITIC WEATHERING C.G. MONZ	163.1	52	1288	189.1
	77719	SOIL	20/08/2000			343650	6225720	LIMONITIC FAULT ZONE ABOVE THIS LOCATION	172.9	8	331	125.2
	77720	SOIL	20/08/2000			343730	6225765	LIMONITIC C.G. MONZ	178.7	123	2179	1920.2
	77721	SOIL	20/08/2000			343800	6225775	MONZOSYENITE DYKE ~ 20M WIDE	61.2	19	605	47.5
	77722	SOIL	21/08/2000			343900	6225760	SOIL CONTOUR 0M, IN UPPER CIRQUE OF SMALL LAKE IN	202	22	720	60.8
	77723	SOIL	21/08/2000			343910	6225670	100M, MORE PREVALENT POTASSIC ALTERATION IN MONZOS	293.7	16	599	61
	77724	SOIL	21/08/2000			343950	6225575	200M, FRESH C.G. MONZ WITH SOME EP ALTERED ZONES	223	12	668	34.9
	77725	SOIL	21/08/2000			344035	6225505	300M, ROUNDING CIRQUE, ZONES OF EP AROUND FRACTURE	240.1	32	1424	124.5
	77726	SOIL	21/08/2000			344095	6225585	400M, MIDDLE OF CIRQUE VALLEY, LAST 100M, MOST ROC	191.9	6	316	22.6
	77727	SOIL	21/08/2000			344090	6225690	525M, CHL-MT ALTERATION PROMINENT, LOCAL CPY IN EP	191.1	6	213	17.3
	77728	SOIL	21/08/2000			344065	6225770	600M, CHLORITIC ZONE WITH BRECCIA FRAGMENTS	208.4	23	246	34.8
	77729	SOIL	21/08/2000			344055	6225860	700M, NEAR CREEK (ALMOST FULLY AROUND CIRQUE)	289.7	22	87	80.8
	77730	SOIL	21/08/2000			344105	6225935	800M, 1710M ELEV., JUST ABOUT TO ROUND RIDGE	154	8	277	27.2
	77731	SOIL	21/08/2000			344175	6224000	900M, JUST ROUNDED RIDGE	140.8	11	383	54
	77732	SOIL	21/08/2000			344230	6224055	1000M, EP VEINED AND POTASSIC ALTERED C.G. MONZ	60.4	5	233	18.9
	77733	SOIL	21/08/2000			344300	6224110	1100M, MOST C.G. MONZ IS CHL-MT ALTERED	222.7	7	173	23.1
	77734	SOIL	21/08/2000			344380	6224145	1200M	271	26	690	51.9
	77735	SOIL	21/08/2000			344445	6224185	1300M, 1680M ELEV.	206.2	14	259	26.3
	77736	SOIL	21/08/2000			344500	6224210	1400M, CHL-MT ALTERED MONZ, LOCALLY 80% REPLACED B	155.3	4	74	24.1
	77737	SOIL	21/08/2000			344585	6224205	1510M, CHLORITIC BRECCIA ZONE(?) WITH CPY MINERALI	231.2	10	294	66.4
	77738	SOIL	21/08/2000			344665	6224180	1600M, 1660M ELEV	80.4	6	624	60.2
	77739	SOIL	21/08/2000			344750	6224150	1700M, SEVERAL MALACHITE STAINED BOULDERS LAST 100	80	9	133	31.1
	77740	SOIL	21/08/2000			344830	6224110	1800M, AT GULLEY, SYENITE DYKE 1800-1850M ALONG LI	35.6	5	59	4

GRID	SAMPLE	TYPE	DATE	NORTH	EAST	EAST nad83	NORTH nadD83	REMARKS	CU ppm	AU ppb	AG ppb	AS ppm
	77741	SOIL	21/08/2000			344880	6224040	1900M, IN ANOTHER GULLEY	147.5	10	133	22.7
	77742	SOIL	21/08/2000			344950	6225970	2000M, RIDGE AFTER GULLEYS/SLIDE AREAS	22.5	4	73	0.6
	77743	SOIL	21/08/2000			344975	6225860	2100M, ANOTHER SLIDE AREA BEFORE NOTCH	165.2	4	161	4.6
	77744	SOIL	21/08/2000			344980	6225740	2230M, MANY MALACHITE STAINED BOULDERS	427.6	6	225	18.1
	77745	SOIL	21/08/2000			345000	6225660	2315M	156.7	4	143	4
	77746	SOIL	21/08/2000			345050	6225580	2400M, ASCENDING, 1740M ELEV.	528.9	4	888	6.6
	77747	SOIL	21/08/2000			345065	6225500	2500M, ALMOST AT HEAD OF CIRQUE	303.3	4	185	9
	77748	SOIL	21/08/2000			345150	6225440	2600M, ~50M BEFORE PASS	151.8	5	110	3.8
	77758	SOIL	25/08/2000			343168	6229939	SOIL CONTOUR 0M, BEGINNING AT CLIFF, 1900M E;EV.	261.7	1	99	5.4
	77759	SOIL	25/08/2000			343059	6229935	100M	285.2	4	122	6.3
	77760	SOIL	25/08/2000			342955	6229915	200M	191.4	1	95	4
	77761	SOIL	25/08/2000			342867	6229867	300M	148.6	3	130	3.8
	77762	SOIL	25/08/2000			342874	6229770	400M, ROUNDED CIRQUE, 1960M ELEV.	674.9	17	419	4.8
	77763	SOIL	25/08/2000			342933	6229645	550M, EDGE OF MORAINE, MANY BOULDERS WITH MALACHIT	602.4	18	1750	17.4
	77764	SOIL	25/08/2000			342997	6229633	600M, JUST PAST ROCK FACE	312.2	4	393	11.4
	77765	SOIL	25/08/2000			343099	6229594	735M, FEW MALACHITE STAINED BOULDERS, MOSTLY PY IN	279.5	4	368	9.2
	77766	SOIL	25/08/2000			343196	6229548	855M, ROUNDING RIDGE INTO NEXT CIRQUE	288.9	6	215	6.2
	77767	SOIL	25/08/2000			343233	6229455	940M, BASE OF VERTICAL CLIFF, HEADING INTO CIRQUE	397.6	13	122	8.7
	77768	SOIL	25/08/2000			343242	6229391	1005M, BASE OF CLIFF	177	3	112	4.9
	77769	SOIL	25/08/2000			343249	6229293	1100M	307.3	15	968	4.6
	77770	SOIL	25/08/2000			343275	6229222	1200M	231.8	4	278	4.4
	77771	SOIL	25/08/2000			343276	6229144	1300M, NEAR CENTRE OF CIRQUE	299	11	352	4.3
	77772	SOIL	25/08/2000			343339	6229079	1400M	308.5	4	134	5.1
	77773	SOIL	25/08/2000			343420	6229014	1500M, IRON CARBONATE ALTERED TALUS LAST 100M	176.2	3	117	6.5
	77774	SOIL	25/08/2000			343577	6229004	1600M, 20-30% OF TALUS ENCRUSTED WITH MALACHITE, S	3190.5	34	1494	11.7
	77775	SOIL	25/08/2000			343654	6229000	1700M	279.6	5	775	13.1
	77776	SOIL	25/08/2000			343745	6228961	1800M, MALACHITE STAINS IN O/C ON CLIFF	4448.6	100	2821	203.3
	77777	SOIL	25/08/2000			343872	6228957	1900M, LESS COPPER IN ROCK, BUT STILL SOME MT-CPY	183.2	3	330	6.5
	77778	SOIL	25/08/2000			343966	6228994	2000M	843.5	4	324	8
	77779	SOIL	25/08/2000			344073	6229005	2100M, TAKLA CONTACT OVERHEAD, LOW ANGLE OR OBLIQU	412.9	7	369	9.1
	77780	SOIL	25/08/2000			344236	6229073	2200M	286.1	15	85	7.6
	77781	SOIL	26/08/2000			344240	6229085	YELLOWISH FAULT BRECCIA FLOAT	203.9	13	180	10.3
	77782	SOIL	26/08/2000			344335	6229070	SOIL FROM VOLCANIC TALUS	222.6	8	164	9.4
	77783	SOIL	26/08/2000			344425	6229050	CONTOUR SOIL IN VOLCANICS	98.7	9	81	9
	77784	SOIL	26/08/2000			344520	6229040	CONTOUR SOIL IN VOLCANICS	266.5	17	78	9.1
	77785	SOIL	26/08/2000			344600	6229060	ROCK FACE WITH VOLCANICS ABOVE	244.1	6	112	8.2
	77786	SOIL	26/08/2000			344660	6229060	SOIL BELOW VOLCANIC O/C	118.1	2	76	4.8
	77801	SOIL	19/08/2000			342660	6227315	C.G. MONZ TALUS	216.3	12	814	7
	77803	SOIL	19/08/2000			342560	6227325	TALUS, FRESH MONZ WITH CHLORITE ON FRACTURES, AND	72.1	4	385	6.4
	77804	SOIL	19/08/2000			342535	6227390	SOIL ON LEDGE IN ROCK FACE	2121.9	131	2021	24.2
	77805	SOIL	19/08/2000			342465	6227415	MONZONITE AND SYENITE TALUS	290.9	11	564	5.9
	77806	SOIL	19/08/2000			342425	6227450	LAST CHANCE SAMPLE BEFORE LARGE TALUS SLIDE	274.2	6	435	5.2
	77807	SOIL	19/08/2000			342360	6227500	5M WIDE ZONE OF FINE TALUS	192.1	4	189	5
	77808	SOIL	19/08/2000			342340	6227590	SYENITE AND MONZONITE TALUS	204.9	6	206	3.9
	77809	SOIL	19/08/2000			342245	6227700	85% MONZONITE, 15% SYENITE TALUS	179	15	226	3.7
	77810	SOIL	20/08/2000			342215	6227790	BELOW SYENITE ROCK FACE	119.5	23	91	4.1
	77811	SOIL	20/08/2000			642165	6227845	MONZ ROCK FACE WITH WIDELY SPREAD SYENITE DYKES <7	95.2	2	93	2.8
	77812	SOIL	20/08/2000			342165	6227925	FRESH MONZONITE ROCK FACE	82.7	9	188	5.5
	77813	SOIL	20/08/2000			342220	6228010	LOCAL MODERATE POTASSIC ALTERED MONZONITE	49.9	50	254	2.6
	77814	SOIL	20/08/2000			342245	6228085		107.5	5	251	3.5
	77815	SOIL	20/08/2000			342265	6228180	LOCAL EP VEINS AND POTASSIC ALTERATION IN MONZONIT	231.8	5	316	5.1
	77816	SOIL	20/08/2000			342225	6228280	QTZ VEINS <3cm IN ROCK FACE OF MONZONITE	129.9	3	82	3.8

GRID	SAMPLE	TYPE	DATE	NORTH	EAST	EAST nad83	NORTH nadD83	REMARKS	CU ppm	AU ppb	AG ppb	AS ppm
	77817	SOIL	20/08/2000			342300	6228280	LOCAL K AND EP ALTERATION IN MONZONITE	170.3	5	111	4.8
	77818	SOIL	20/08/2000			342410	6228305	3M E. OF 10M WIDE ANDESITIC DYKE CUTTING MONZONITE	192.3	20	197	7.2
	77819	SOIL	20/08/2000			342450	6228345	TOP OF RIDGE	109.4	11	172	4.7
	77820	SOIL	20/08/2000			342515	6228330	RIDGE TOP WHERE IT DROPS OFF STEEPLY	174.3	7	219	1.9
	77821	SOIL	20/08/2000			342525	6228230	FLAT AREA OFF END OF STEEP RIDGE	49.7	4	251	1.4
	77822	SOIL	20/08/2000			342585	6228140	TOP OF RIDGE	89.2	3	43	3.1
	77823	SOIL	20/08/2000			342625	6228030	MODERATE EP AND K ALTERATION IN MONZONITE	135.4	2	465	3
	77824	SOIL	20/08/2000			342660	6227890	15M SE OF CREEK	64.9	3	220	2.3
	77825	SOIL	20/08/2000			342685	6227790		174.9	12	476	4.8
	77826	SOIL	20/08/2000			342795	6227720		31.4	2	311	1.1
	77827	SOIL	20/08/2000			642890	6227720	RARE MINOR MALACHITE IN SYENITE BOULDERS	104.6	2	1079	2.4
	77828	SOIL	20/08/2000			342950	6227675	20M FROM HIGH POINT ON RIDGE TOP	22.2	1	81	1.2
	77829	SOIL	20/08/2000			643010	6227620	HIGHEST POINT ON RIDGE	69.5	6	389	1.7
	77830	SOIL	20/08/2000			643100	6227560	MONZONITE WITH SYENITE DYKES	45.3	2	494	1.8
	77831	SOIL	21/08/2000			342980	6226530	ROCKY SOIL ON AVALANCE CHUTE	53.8	0	161	2.7
	77832	SOIL	21/08/2000			343050	6226580	LARGE TALUS BLOCKS, VERY LITTLE SOIL	162	6	662	9.9
	77833	SOIL	21/08/2000			343145	6226635	TRUE B-HORIZON	52.8	11	323	26.3
	77834	SOIL	21/08/2000			343240	6226705	SOIL UNDER LARGE TALUS BOULDER	163.1	11	429	18.9
	77835	SOIL	21/08/2000			343350	6226750	LEACHED SOIL UNDER LARGE TALUS BOULDERS	21.2	26	88	7
	77836	SOIL	21/08/2000			343460	6226780	MONZONITE TALUS	25.8	20	87	4.5
	77837	SOIL	21/08/2000			343535	6226810	5M W. OF CREEK	20.6	7	101	7.3
	77838	SOIL	21/08/2000			343605	6226840	FINE ORANGE SOIL	351	3	1452	11.2
	77839	SOIL	21/08/2000			343705	6226855	SANDY SOIL BELOW MONZONITE O/C	28	3	97	2.3
	77840	SOIL	21/08/2000			343800	6227875	RARE SOIL ON TALUS SLOPE, IN TREE ROOTS	21.4	20	122	1.4
	77841	SOIL	21/08/2000			343890	6226920		18	3	94	5.2
	77842	SOIL	21/08/2000			343980	6226955		30	1	219	2.8
	77843	SOIL	21/08/2000			344050	6223975	CREEK 5M TO THE E	61.7	3	446	2.8
	77844	SOIL	21/08/2000			344150	6227005	MONZONITE ROCK FACE ABOVE SAMPLE SITE	75.2	3	52	4.7

APPENDIX II
Geochemical Analysis Certificates

ACME ANALYTICAL LABORATORIES LTD. 8[illegible] E. H[illegible]INGS [illegible] V[illegible]UVE[illegible] V [illegible]R6 PH[illegible] 604[illegible]-31[illegible] FAX[illegible]25[illegible]16
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Phelps Dodge Corp. PROJECT 402 File # A003351 Page 1

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
68489	106.32	1681.43	3.08	16.4	81	3.1	4.9	372	1.60	2.6	.8	7.4	9	133.0	.07	.36	.13	60	2.80	.086	3.5	10.2	.47	61.8	.060	3	1.73	.014	.05	2.6	2.0	.02	.04	5	3	.08	4.4	15
76423	1.01	344.41	5.03	42.4	121	4.5	39.2	671	3.82	1.1	.5	4.9	1.7	32.1	.05	.29	.08	120	1.29	.160	9.8	7.0	1.21	119.9	.185	2	2.07	.036	.16	1.1	4.0	<.02	<.01	<5	1	<.02	8.6	15
76424	1.42	185.27	4.28	33.7	48	2.3	5.4	445	2.08	.5	1.5	1.1	6.6	44.0	.04	.15	.02	12	.48	.026	7.7	6.3	.68	2486.4	.003	2	1.18	.025	.18	1.4	1.0	<.02	.07	<5	<.1	<.02	3.4	15
76425	1.00	2872.99	3.08	22.7	723	2.4	3.7	454	1.87	1.2	2.0	4.9	9.4	45.0	.40	.10	.02	38	2.00	.085	8.5	5.8	.51	222.8	.080	1	1.29	.047	.46	1.8	3.8	<.02	.18	<5	.2	.03	5.2	15
76426	2.02	1463.53	7.55	25.6	568	6.2	26.9	310	3.61	7.4	1.3	17.3	4.5	59.8	.16	.42	.17	72	2.07	.170	12.7	6.1	.69	179.2	.139	3	2.24	.054	.33	1.3	3.4	.02	.75	<5	.3	.19	8.1	15
76427	3.44	3109.04	8.37	96.6	1284	6.2	28.8	1506	5.83	3.5	3.3	8.5	4.4	127.0	.08	.31	.07	151	1.98	.264	15.2	9.7	2.08	66.3	.146	2	3.75	.003	.15	2.5	9.0	<.02	.11	<5	.2	.06	13.4	15
76428	1.23	3066.50	4.21	45.4	872	18.4	22.6	1358	8.28	1.3	.8	6.1	2.5	34.6	.08	.13	.45	212	1.84	.159	5.2	13.8	2.94	103.1	.070	1	3.81	.019	.11	1.4	10.5	<.02	.17	<5	2.0	.37	17.6	15
76429	65.11	3702.13	46.22	337.2	7325	4.8	42.4	1017	5.41	130.8	1.3	14.9	4.1	125.2	1.14	.44	.66	116	.81	.218	9.6	6.4	1.19	54.1	.102	1	2.10	.034	.12	1.3	6.0	<.02	.27	79	6	.61	12.4	15
76430	2.57	4419.24	10.33	80.1	1647	5.8	7.3	612	4.79	13.5	.9	77.5	3.4	43.9	1.43	.18	.27	108	1.12	.199	8.9	4.1	1.31	278.8	.119	1	2.05	.039	.23	.9	7.3	<.02	.35	6	.3	.20	10.3	15
76431	1.70	1249.33	2.79	49.2	479	7.0	31.8	557	2.08	1.8	.8	2.1	2.2	113.0	.23	.30	.03	72	1.85	.225	11.4	6.3	1.10	492.6	.094	1	1.50	.078	.18	1.4	5.6	<.02	.11	5	.2	.05	5.0	15
76432	6.19	1290.12	7.28	37.8	1326	50.9	524.1	399	4.25	34.9	1.0	15.6	3.0	146.5	.13	.29	.37	31	1.61	.115	9.1	8.9	.52	44.6	.090	1	1.04	.056	.01	3.1	1.8	<.02	3.44	6	2.9	.61	3.6	15
76440	2.16	907.83	109.47	601.7	1323	11.6	34.0	2105	5.39	9	.4	107.8	1.8	92.0	6.33	.12	.38	135	1.04	.194	5.1	17.1	2.58	81.5	.183	1	3.15	.003	.07	1.5	6.2	<.02	.04	38	.6	.53	8.2	15
76441	2.26	1026.31	21.49	33.4	301	4.3	6.8	562	1.36	.4	.4	1.8	1.3	282.0	.12	.22	.06	32	1.83	.107	3.0	9.6	.35	42.3	.097	1	1.48	.003	.13	3.3	1.8	<.02	.07	<5	.2	.05	4.1	15
76442	2.09	3031.75	5.53	57.2	1107	6.5	16.3	886	3.30	.5	1.0	24.7	2.3	47.8	.26	.12	.13	118	1.81	.176	9.0	12.3	1.17	137.6	.126	1	1.88	.047	.25	52.9	5.4	<.02	.27	<5	1.1	.15	6.4	15
76449	.79	6059.76	10.37	82.2	15316	13.1	44.9	763	4.49	9.1	.6	1074.9	2.9	65.5	.24	.26	1.20	89	.54	.187	5.7	6.3	1.37	388.9	.092	<1	1.81	.017	.24	1.9	3.5	<.02	.82	10	1.7	.67	6.1	15
76450	4.24	1769.31	2.00	22.2	460	4.2	7.7	717	3.45	3.6	1.7	9.8	4.4	49.9	.08	.32	.10	105	5.10	.132	7.3	4.8	1.44	94.0	.018	4	1.83	.037	.15	.8	7.7	<.02	.20	6	.2	.04	9.8	15
76451	22.40	137.02	4.68	82.9	272	2.5	15.7	1614	4.46	.8	.4	2.2	.7	171.6	.93	.77	.04	42	9.42	.049	3.8	2.6	2.10	1627.6	.010	5	.70	.005	.36	1.0	2.5	.02	.07	<5	.1	.04	.8	15
76452	1.85	1929.07	3.68	35.7	598	1.9	8.4	602	2.16	54.4	3.4	1.3	14.7	81.8	.07	1.86	.98	20	1.69	.053	3.6	7.7	.61	1097.1	.002	3	.68	.031	.20	1.3	1.0	.02	.16	<5	.3	<.02	2.2	15
76453	1.42	1744.96	3.45	58.4	8178	2.9	8.2	953	2.33	89.6	.6	28.8	1.1	62.1	1.89	120.05	.09	24	3.55	.043	2.4	11.7	.80	497.3	.004	3	.35	.004	.19	3.1	3.0	.06	.25	74	<.1	.02	.4	15
76454	19.80	38008.30	4.73	68.8	19900	16.5	63.8	1694	13.32	11.2	1.5	1111.9	3.8	10.2	.29	.67	11.74	85	.12	.056	3.6	7.3	1.34	88.5	.014	2	3.17	.005	.18	2.5	3.5	.02	2.42	8	43.6	9.74	10.3	15
76455	1.26	1518.61	8.96	29.3	1026	5.0	24.6	410	2.47	12.5	.4	16.9	1.2	115.5	.20	.46	.35	41	1.13	.082	4.4	11.7	.46	163.2	.066	<1	1.22	.030	.29	2.8	2.4	<.02	.72	14	1.0	.39	4.4	15
76456	5.49	4769.04	3.85	74.9	2788	7.2	31.5	887	4.00	5.8	1.7	59.5	5.9	49.1	.17	.11	1.11	89	1.38	.122	12.3	9.8	1.01	328.0	.068	1	1.80	.029	.37	1.5	4.1	<.02	.51	31	.9	.74	5.9	15
RE 76456	5.47	4700.34	3.78	73.9	2743	7.2	30.4	880	3.98	5.5	1.7	55.5	6.0	52.0	.17	.09	1.12	89	1.38	.122	12.1	11.0	1.00	330.3	.069	1	1.77	.031	.38	1.4	4.4	<.02	.54	30	.9	.77	5.8	15
76457	3.06	13881.51	6.88	210.7	9490	44.2	43.0	1678	6.23	6.9	.5	21.0	1.2	72.0	.71	.13	1.73	116	2.20	.170	7.0	10.6	1.75	80.6	.100	1	2.66	.070	.10	1.4	9.6	<.02	1.09	10	2.7	.91	9.4	15
76458	15.45	5737.14	53.06	40.5	6237	4.0	10.7	143	2.30	42.7	16.2	644.9	56.9	11.8	.33	.27	.16	12	.06	.003	22.3	12.2	.12	75.8	.018	1	.54	.043	.19	3.9	.8	<.02	.97	22	3.3	1.42	2.6	15
76464	1.98	1001.36	5.80	26.8	665	3.0	34.7	423	2.30	4.6	.9	26.9	4.6	99.5	.10	.13	.04	35	1.66	.068	12.7	7.1	.60	1085.7	.005	2	1.03	.039	.22	1.0	1.4	.02	.12	<5	.2	.03	3.5	15
76465	4.11	68643.51	7.77	40.0	19606	21.6	42.0	730	9.81	4.8	9	1047.6	1.2	128.8	2.21	.24	.41	65	5.75	.070	4.2	39.4	1.11	125.2	.054	2	1.43	.016	.05	2.2	2.7	<.02	2.18	<5	7.7	.61	6.4	15
76468	1.16	394.09	4.77	21.1	486	2.6	8.4	227	1.36	1.1	.8	4.1	6.1	31.3	.07	.14	.07	14	.57	.027	15.6	7.8	.32	119.7	.002	2	.65	.047	.17	1.9	.8	<.02	.01	<5	<.1	.02	2.6	15
76470	1.31	84.74	1.17	28.7	64	5.6	65.1	4416	7.63	2.2	.1	2.6	.3	115.0	.02	.29	.09	55	6.74	.039	6.3	8.6	1.22	104.0	.023	2	1.97	.004	.31	8.1	5.7	<.02	.35	<5	.1	.02	3.9	15
76471	9.10	1899.62	50.26	85.3	887	4.5	75.1	3149	6.28	30.7	.4	12.0	.7	59.3	.13	.15	.96	64	4.88	.069	5.6	9.1	1.12	149.5	.018	3	2.35	.006	.35	4.1	3.9	.02	2.12	<5	2.5	.36	6.1	15
76472	301.76	2227.46	7.08	66.9	1063	8.3	67.8	3303	7.63	217.5	1.5	10.0	4.4	54.6	<.01	.49	.48	110	4.62	.106	5.8	8.1	1.03	184.7	.018	3	2.32	.004	.41	7.5	6.1	.03	1.33	9	.9	.15	6.4	15
76473	35.90	22.80	5.84	6.9	220	4.3	55.7	74	3.55	34.9	.2	26.1	.5	7.8	<.01	.23	1.21	8	.04	.014	3.5	13.3	.02	65.8	.002	2	.23	.006	.22	6.3	.5	.02	2.37	13	.5	.33	.6	15
76474	2.68	4188.55	2.32	54.5	2549	4.3	14.6	496	4.05	2.2	.5	100.2	2.5	76.2	.62	.32	.21	78	1.54	.128	10.3	14.0	.76	162.7	.108	1	1.29	.049	.27	2.9	1.8	.03	.34	<5	.8	.10	4.0	15
STANDARD DS2	13.48	122.85	33.43	157.3	270	34.7	11.0	820	3.05	57.8	18.1	199.9	3.5	23.7	10.65	10.04	10.91	74	.50	.087	15.5	147.2	.59	145.7	.086	2	1.61	.032	.14	7.8	2.6	1.82	.02	222	2.1	1.80	5.6	15

GROUP 1F15 - 15.00 GM SAMPLE, 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 300 ML, ANALYSIS BY ICP/ES & MS.
UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 31 2000 DATE REPORT MAILED: Sept 15/00 SIGNED BY: D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm
76475	296.31	3235.17	3.28	6.2	4251	3.5	6.2	58	1.22	6 9	.1	182 3	.2	6.2	01	.13	.19
76476	10 35	1886.48	3.35	63.8	1685	6.3	14.8	500	2.47	1.1	.5	15.8	2.6	69 2	.37	.34	.16
76477	3.28	166.79	14.89	33.9	438	1.3	2.4	357	1.01	2.4	.4	12.4	1 3	49.6	.36	.17	.38
76478	.65	412 91	1 31	175.5	173	1.1	14.4	888	2.86	1.4	.2	2 3	1.5	198.0	.94	.03	02
76479	2.07	2971.50	1.42	363.4	10442	3.4	62 7	731	7.55	3.6	4	63.3	2.7	82.9	.91	07	.12
76480	.52	369.83	1.71	12 3	494	1.1	1.4	205	46	.5	.4	12.3	2.0	79.9	.12	.04	.31
76481	.71	890.03	2 33	126.3	600	5.9	14.3	1063	3.49	6.5	.6	47 1	5.7	179.0	.30	.07	.04
76482	.41	2301 60	1.33	128.3	3663	3 2	16.1	800	1.94	1.9	2	22.6	2.1	139.1	39	.04	.57
76483	3.92	4743.05	3.48	49.0	1959	12.3	7.9	431	2.20	1.1	.6	5.5	.8	80.6	.34	.31	.06
76484	1.03	4977.12	1.26	27.5	1195	3.1	5.4	758	1.89	7.4	.6	5.5	2.0	93.5	.04	.80	13
76485	2.82	529.47	3.03	19.9	398	2.6	4.6	225	1.53	1.4	.6	21.1	3.9	37 4	.05	.14	.28
76486	.79	32.58	2.70	16 3	24	2.4	3.0	249	1.23	.7	1.4	1.8	4.6	40.7	.04	.09	<.02
76487	1.45	2596 37	3 88	40.7	1199	3.0	18.3	331	2.71	11.2	1.2	84.6	3.8	49.3	.07	.17	.03
76488	9.55	18995.60	2.32	61.3	360	16.3	28.2	662	3.52	4.6	3.0	3.2	3.0	18 0	.27	.17	.05
76490	1.30	3093.26	32.61	60 9	494	3.6	57.0	725	3 77	14.1	3.1	3.4	3 6	31.3	3.46	.19	12
76492	.90	382 93	1.02	7.1	377	1.8	7.9	132	2.00	2.2	.7	7.5	5.8	14 3	.04	.06	.14
76493	.91	38.03	3.05	79.7	113	7.4	24.5	1301	5.08	8.2	.3	3	.9	33.7	.07	.36	.15
76494	1.27	1663 40	2 01	137.7	191	7.1	24 6	923	4.58	.9	.1	3.5	.3	67.2	.41	.18	.04
77095	2.68	3708.58	7.94	90 9	3158	2.9	8.2	503	2.15	2.5	1.1	4.8	1.9	35.9	.67	.08	.06
77096	96.98	2850.99	6 68	39.2	2337	3.4	8 3	228	1.75	16.1	2 5	79.2	1.4	34.1	.21	06	.97
77097	10.76	14339.80	3.09	73.2	8187	37.8	29.3	154	6.76	3.2	.9	1057.5	.9	86.4	.31	16	1.71
77098	6.39	508.15	4.11	53.4	265	5.0	13.2	894	3.31	2	.8	12.6	2.3	62.6	08	.07	.06
77220	53.22	40.62	9.83	72.9	288	5.7	202.7	2450	8.29	37.5	.7	25.7	3.5	21.5	.01	22	2.17
77221	26.04	32.06	5 29	107.0	125	9.2	245 7	3152	10.57	26.0	2	7.8	1.1	3.6	<.01	09	.72
RE 77221	27.02	32.05	5.57	107.1	133	9.5	253.3	3184	10.61	26.9	.2	7.1	1.2	3 6	<.01	.09	.73
77222	996 28	33860.62	61.44	33.0	19905	2.8	16.5	735	9.74	48.8	.4	47.4	.4	330 8	.12	1.52	8.68
77223	13.37	137.71	5 27	28.2	336	10.5	214.8	2498	8.98	56.7	.7	15 0	1.3	22.0	.04	35	1.48
77235	3.68	98.16	4.57	36.8	747	2.1	4.4	73	1.79	33.7	.3	8.0	.5	104 5	05	11.24	.09
77236	1.84	56.24	11 96	10.6	1833	3.8	3.5	212	.79	15.2	.3	79 2	.9	14.4	.06	5.87	.21
77237	2.71	26.23	2 65	23.1	2600	2 0	2 9	381	.86	11 3	.7	6.8	2.9	13.1	25	4 09	.05
77238	1.37	24 96	2.28	29.2	282	3.1	3 5	180	.97	18.2	4	1.4	.6	56.8	.18	4.01	.05
77239	2.02	25.35	2.94	15.4	225	1.7	2.0	106	.84	38.4	.2	4.3	2	100.2	.05	3.25	.10
77240	1.58	12.31	2.11	12.0	399	1 8	1.5	61	.93	95 9	.3	3.5	3.2	18 2	09	10.14	.04
77241	1.94	38 25	3 09	23.0	71	1.3	2.7	411	1.28	6.8	.4	1 6	4.1	22.3	.05	.98	02
STANDARD DS2	14 18	126.06	32.20	153.5	262	34 3	11.4	808	3.04	58 5	18.3	190.0	3.7	27.2	10 06	10.12	10.64

SAMPLE#	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
76475	8	.03	.003	<.5	22.5	.08	14.5	.015	1	.12	.004	02	202.8	.2	<.02	.57	17	1.4	.22	.6	15
76476	66	68	.134	5.0	7.0	1.23	181.5	.099	1	1.63	.034	19	2.3	3.6	.02	.07	<5	.3	.12	4.5	15
76477	14	.05	.017	5.4	9 7	.02	333.5	.003	<1	.27	.026	.21	3.2	.2	<.02	.08	180	<.1	.13	5	15
76478	159	.87	.097	4 7	4.4	.40	1315.2	.027	<1	86	.024	.50	.6	.6	.02	.09	<5	.3	04	5.4	15
76479	253	.28	.189	9 1	3.8	.33	868.4	050	1	.90	.027	.68	8	.7	.04	.19	36	4 2	.40	5.5	15
76480	15	.28	.014	2.7	4 4	.06	811.7	.003	<1	.21	.036	.21	.9	.1	<.02	07	<5	.1	.08	5	15
76481	213	1.06	.208	14.7	7.7	.69	1455.5	.065	1	.84	.021	.74	.9	1.0	04	.13	19	.5	.17	5.4	15
76482	79	.96	123	5.9	5.0	.74	453 1	087	1	1.06	.028	.90	.6	.5	.05	.16	<5	1.1	.22	4.5	15
76483	58	1.15	.169	4.2	6.5	.96	59.3	.096	2	1.41	.050	.04	1.4	2.1	<.02	50	<5	2.5	.05	4.2	15
76484	23	3.99	.041	3.9	11.2	.17	134.8	.005	2	.62	.005	.24	3.6	1.4	.02	.32	57	2.6	.04	1.1	15
76485	42	54	.051	6.4	9.5	.34	132.0	.086	2	.73	.048	15	9.7	1.3	<.02	.01	13	.1	.03	3.5	15
76486	60	1.00	.168	9.2	8.1	.30	109.8	.106	2	74	064	.11	1.6	1.8	< 02	<.01	<5	<.1	<.02	2 9	15
76487	54	.53	.066	5.4	5.7	.61	191 6	159	2	1.43	.036	.38	1 3	.8	.02	.13	7	.6	.08	5.7	15
76488	77	31	.080	8.1	6.2	.89	88.4	.012	2	1.52	.028	.18	1.0	4.4	.03	.07	10	.4	.04	6.4	15
76490	71	4.28	.143	2 0	7.8	1.24	117.4	.026	1	1.86	.037	.03	1.0	2.9	<.02	.30	5	.4	03	7.7	15
76492	8	27	.128	14.4	10.0	.11	152.9	.005	1	.46	.037	.10	2.3	.4	<.02	.62	10	.6	.09	2.0	15
76493	89	3.71	.234	11.8	1.1	.49	161.5	.016	5	1 37	.020	.38	.4	12.7	.04	.04	<5	<.1	<.02	2 2	15
76494	183	1.58	190	2.1	3.7	2.47	110 8	.133	2	2.62	.033	21	.4	5.5	.03	.03	<5	.1	.02	7.6	15
77095	62	.98	.163	7.1	7.7	.70	147.6	.083	2	1.30	.024	.37	14.6	3.1	<.02	.07	29	.5	.08	4.9	15
77096	41	.95	.167	8.1	7.7	.30	63.8	.079	2	.99	.032	.22	157 9	1.5	<.02	.20	<5	1.0	69	3.5	15
77097	160	.63	.117	5.2	7.4	.15	69.3	.122	1	1.25	.032	.32	2 6	.5	<.02	1.52	30	2 7	2 09	5.0	15
77098	97	1 77	.160	9.2	8.0	1.16	130.6	.132	1	1.54	.032	14	1.4	6.9	<.02	.05	<5	.3	.05	7.0	15
77220	68	1.05	.079	3 9	6.8	1.56	93.4	.016	3	3 22	.003	.43	2.6	4.4	02	2.64	6	1.0	.16	8 5	15
77221	47	.04	012	<.5	2.8	1.63	52.9	.010	1	2.91	.002	.02	2.7	3.5	<.02	5 10	6	.5	.08	10.4	15
RE 77221	47	.04	.012	<.5	3.7	1.65	53 4	.010	<1	2.95	.002	02	3.0	3.7	< 02	5 29	<5	.6	.10	10.6	15
77222	58	1 20	.056	.7	5.3	.37	43.6	.035	1	1.94	.001	.01	2.4	2.2	.02	5.39	42	16.5	5.78	8.1	15
77223	48	3.07	.073	6 1	7.5	.42	40.0	.012	1	.95	.003	.21	5.7	4.1	< 02	7.36	8	.8	.55	3 0	15
77235	47	03	017	2.6	4.8	02	62.8	.001	3	.40	.003	24	1.8	4.1	.17	.03	5546	< 1	.03	1.2	15
77236	8	.03	.005	1.9	10.9	.02	67.2	<.001	1	.19	.003	.15	4.4	.4	06	.04	1173	<.1	.02	.5	15
77237	4	03	.014	8.7	8.7	.02	91 9	< 001	1	.39	.003	.16	2 6	.5	.10	.03	2111	<.1	< 02	.5	15
77238	19	.02	007	2.8	10.7	.02	67.3	<.001	2	.24	.003	.12	4.4	1 6	14	.03	1180	<.1	<.02	.8	15
77239	32	.02	.012	2.7	8.2	.02	58.0	.001	3	.31	004	.13	2.3	2.5	.14	.01	1762	<.1	02	1.2	15
77240	16	.04	.017	9.1	6.6	.03	80.8	.001	2	.30	.005	.23	3.0	1.3	.18	.04	4304	<.1	<.02	.7	15
77241	9	.08	.025	7.6	7 2	02	312.6	.001	1	44	.027	.17	2.0	.7	.04	.02	43	<.1	<.02	.9	15
STANDARD DS2	72	.51	092	15.8	160.0	.58	159.4	.087	1	1.68	.028	.16	6 8	2.9	1 79	.02	237	2.1	1.78	5.7	15

Sample type: ROCK R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA ____

ACME ANALYTICAL

Phelps Dodge Corp. PROJECT 402 FILE # A003351

ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
77242	2.57	808.00	10.74	32.6	678	7.3	5.6	404	1.21	.9	.2	.7	.7	52.4	.31	.16	.02	26	.93	.044	1.0	21.5	.41	70.9	.042	2	.97	.007	.14	7.4	1.5	<.02	.02	5	.2	<.02	1.8	15
77243	35.29	6786.87	6.98	85.8	9569	9.2	36.7	427	5.64	29.4	86.3	609.1	6.0	12.1	.07	1.10	.61	54	.07	.050	7.9	7.6	.74	379.0	.010	2	1.62	.008	.32	.6	2.5	.02	.64	20	1.0	.62	7.4	15
77244	7.41	1333.35	48.86	139.8	1102	8.2	72.0	552	2.41	149.6	.9	26.1	2.4	355.8	.72	80	.43	42	1.49	.187	4.7	11.9	.54	96.8	.092	2	1.50	.003	.04	5.9	2.4	<.02	.04	<5	.1	.33	4.5	15
77345	924.29	902.92	10.36	166.5	1074	11.0	6.5	185	1.12	28.7	.6	134.2	7	14.2	1.73	32.98	.16	9	.19	.006	2.2	23.7	.13	407.6	.001	1	.26	.004	.04	9.3	.6	<.02	.09	18	.2	.12	1.0	15
77346	4.45	1521.51	6.32	140.5	584	6.2	16.9	1772	4.26	2.9	1.0	5.2	3.3	47.9	.37	.47	.31	112	1.52	.176	6.6	5.6	1.83	125.6	.132	1	2.31	.039	.17	2.0	5.4	<.02	.02	<5	<.1	.02	8.5	15
77377	8.03	565.76	2.98	26.8	411	7.0	2.7	362	1.31	1.6	1.0	28.0	4.4	62.1	.11	.27	.03	22	.42	.041	10.6	15.8	.21	219.6	.064	1	.88	.059	.28	17.6	1.0	<.02	.04	<5	.1	.10	2.9	15
77378	12.03	4065.80	180.21	174.2	6280	9.0	67.9	2098	8.06	15.1	1.9	66.8	2.6	109.0	1.41	.24	3.35	72	.90	.074	9.8	5.2	1.11	96.7	.040	1	2.72	.006	.20	3.0	5.6	.02	2.42	16	6.9	1.72	9.6	15
77379	201.01	1230.87	4.09	37.7	645	9.6	8.4	513	2.27	1.1	.7	151.5	1.5	38.5	<.01	.08	.10	79	1.03	.083	5.2	21.5	.63	49.0	.053	1	.94	.029	.16	1.4	4.5	<.02	.13	7	.6	.37	3.6	15
77380	8.04	1662.49	3.48	80.9	1566	5.2	11.5	702	3.11	1.4	.9	13.0	2.3	33.8	.19	.08	.13	104	.91	.193	9.8	9.0	.79	141.1	.155	1	1.67	.066	.21	8.5	2.4	<.02	.08	8	.3	.27	5.9	15
77386	5.52	136.77	2.25	19.6	127	7.1	2.8	505	1.02	1.9	1.4	2.9	6.8	23.8	.10	.67	.07	5	1.15	.013	11.1	17.0	.12	183.7	.001	1	.42	.031	.17	1.2	.5	.02	.02	<5	<.1	.03	.5	15
77387	.79	983.41	5.38	27.0	723	5.2	14.7	228	3.63	1.6	.1	55.8	.2	77.0	.08	.09	.09	62	.72	.125	5.7	9.1	.68	297.7	.111	1	1.36	.056	.19	2.3	1.1	<.02	1.10	5	5.5	.07	4.1	15
77388	4.73	10370.19	13.29	71.4	6026	14.7	85.9	1203	6.42	36.1	4	398.6	1.0	178.0	34	.31	96.24	60	1.04	.104	6.2	12.8	.79	77.3	.048	1	2.18	.002	.16	15.7	3.0	<.02	1.76	10	3.1	55.12	7.7	15
77391	.63	772.79	4.13	36.2	448	4.6	42.2	793	4.05	1.9	.6	4.3	2.0	82.4	.05	.30	.34	79	3.67	.082	2.0	9.0	1.19	34.4	.053	3	3.69	.003	.11	3.1	4.2	<.02	08	<5	.1	.35	10.1	15
77392	2.68	1059.33	4.47	51.6	735	8.3	19.4	720	3.96	3.8	.9	34.0	2.4	60.0	.21	.14	.71	104	1.36	.252	11.4	8.9	.95	151.8	.204	2	1.71	.060	.39	.8	4.4	.03	.25	<5	.7	38	6.9	15
RE 77392	2.80	1121.58	4.74	54.8	785	8.2	19.3	769	4.22	3.7	1.0	44.5	2.7	65.2	.22	.14	.76	111	1.46	.277	12.7	9.8	1.01	166.9	.218	1	1.84	073	.42	.9	4.9	.03	.26	<5	.6	.42	7.1	15
77393	1.16	18.71	.54	2.2	27	5.8	6	55	.41	.7	<.1	2.7	2	2.7	.01	06	.05	2	03	.001	<.5	23.3	.01	4.3	.002	1	.05	.006	.01	12.3	.1	<.02	.02	<5	<.1	.02	.2	15
77394	92.74	590.10	7.16	48.4	324	5.8	6.5	521	2.63	4.3	1.1	65.5	3.9	23.7	.06	.12	.10	58	.97	.094	9.5	11.8	.62	295.2	.114	2	1.62	.047	.33	1.0	3.4	<.02	.08	<5	3	.22	7.1	15
77395	1.69	113.22	3.39	17.7	40	3.7	6.1	203	1.77	3.5	.8	2.5	2.7	49.4	.09	.13	.10	33	.41	057	4.7	11.5	.30	216.8	.079	1	1.01	.083	.16	7.9	1.0	<.02	.27	<5	<.1	.07	3.6	15
77396	14.06	1802.37	10.02	1449.6	1142	7.6	13.1	885	1.83	3.2	.9	27.2	1.2	302.7	4.67	2.88	.33	34	1.74	.176	6.2	18.5	.51	121.6	.107	3	1.57	.003	.02	1.4	1.9	<.02	.07	1279	<.1	06	4.2	15
77397	3.20	1546.71	2.86	159.0	208	6.7	2.2	392	1.07	4.2	1.0	32.5	1.8	282.1	1.37	1.91	.14	23	1.00	.119	5.5	25.0	.12	6.7	.138	2	.71	.002	<.01	8.8	1.6	<.02	.02	146	<.1	.05	2.7	15
77398	22.40	2380.78	13.40	210.5	8433	7.9	7.0	673	2.69	24.2	1.1	50.8	1.6	278.0	2.62	2.72	.76	33	.94	099	6.4	18.2	35	96.1	.084	1	1.26	.007	.04	2.5	1.5	<.02	.03	274	.5	.14	4.6	15
77399	.61	180.89	4.36	38.3	339	1.7	3.2	614	1.67	5.2	.6	2.6	2.4	94.2	.14	.59	.03	27	2.27	.090	11.0	6.7	.36	991.7	005	1	.61	.035	.35	2.1	2.1	02	.05	16	<.1	<.02	.9	15
77537	5.08	5611.48	3.09	40.6	3636	9.2	16.5	565	2.48	1.7	.8	26.5	5.6	48.9	.15	52	.67	20	.74	089	13.7	9.2	22	304.1	.010	2	1.07	.037	.34	1.0	1.6	.08	.35	20	.5	.06	2.9	15
77538	73	29.42	78.16	50.7	98	2.1	.2	268	.34	9.0	23.2	2.3	18.7	6.2	.57	57	6.82	<2	.21	.001	1.2	8.0	.01	30.7	.004	3	.46	.049	.27	5.2	.6	.37	.01	<5	<.1	<.02	4.0	15
77539	3.38	41.41	47.18	19.3	109	4.6	.1	886	.85	1.2	11.8	.9	14.4	78.7	.44	.51	6.32	2	1.21	.001	5.1	10.3	.11	50.0	.002	2	.58	.041	.22	1.9	.7	.30	.04	<5	<.1	<.02	2.9	15
77800	1779.75	27966.10	6.29	67.4	19763	11.3	37.4	108	4.08	27.0	2.7	435.9	8.5	15.7	<.01	.45	.34	17	.09	.021	4.6	9.8	.20	68.1	.026	2	.83	.037	.18	5.7	1.4	.03	3.02	16	6.2	62	3.6	15
77802	4.36	4097.59	5.94	56.3	239	9.4	39.1	526	3.37	1.6	1.0	8.0	2.6	34.7	.37	.10	.04	165	1.14	.149	11.1	9.9	.97	111.3	.110	3	1.55	043	.20	.6	3.4	.02	.03	9	.1	.02	5.9	15
77847	5.60	1430.13	2.51	488.3	903	4.3	6.8	684	1.88	1.9	3.4	7.5	5.1	25.0	5.97	.25	.03	23	.66	.044	9.3	10.1	53	282.8	.005	1	.96	.048	.21	3.9	1.4	.02	.13	26	.2	<.02	4.2	15
STANDARD DS2	14.58	125.64	34.03	152.6	270	34.5	12.0	809	3.02	57.7	19.5	201.1	3.7	25.7	10.46	10.04	11.37	72	.49	.103	14.9	150.2	.57	151.7	.083	2	1.61	.035	15	7.8	2.7	1.80	.03	243	2.1	1.81	5.6	15

Sample type: ROCK R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC 1R6 PH (604 3-31 FAX( )25 -1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Phelps Dodge Corp. PROJECT 402 File # A003352

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

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Sample
	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	gm
76433	3.31	386.95	9.90	87.3	183	10.9	20.0	1096	4.38	2.0	4.8	33.8	2.4	160.2	.19	.13	.10	142	1.11	283	13.3	19.6	1.41	379.2	.106	1	2.64	.020	15	4	4.5	.06	.05	41	.9	.07	9.4	15
76434	7.06	182.41	11.87	87.7	332	6.2	21.3	1047	4.70	29.0	4.2	10.0	2.1	75.5	.24	.59	17	133	.89	.213	11.9	3.4	1.37	269.6	.054	3	2.09	014	.13	.4	6.0	.04	.05	192	.4	.10	7.4	15
76435	3.58	272.54	10.11	119.6	127	13.8	29.7	1870	6.75	3.9	2.7	16.9	3.4	79.8	.29	30	.28	234	.84	.296	14.0	17.2	1.86	286.8	.047	1	2.57	.008	.17	.8	8.0	04	.06	39	.6	.15	9.2	15
76436	9.28	355.87	12.71	114.9	158	12.1	31.9	1703	6.61	2.3	2.4	9.3	2.9	274.9	21	.31	.25	218	1.08	.263	12.8	13.1	1.86	349.9	.070	1	3.04	.011	.29	.6	7.2	.07	.02	48	.5	11	10.2	15
76437	9.81	208.30	13.74	88.3	180	8.4	27.0	1948	6.24	7.1	11.7	10.3	3.0	90.1	.31	.86	.15	150	81	.205	14.7	7.1	1.02	468.1	.015	1	2.09	.008	.11	9	8.0	.07	.06	69	5	.06	7.4	15
76438	1.00	124.97	11.40	193.5	213	22.3	23.0	1108	4.13	80.7	.9	20.7	1.2	64.2	.58	.70	29	130	1.45	.115	6.6	44.9	1.37	164.2	.099	3	2.32	.037	.06	.3	7.4	.02	08	35	1.6	.08	7.5	15
76439	25.14	488.55	28.60	133.9	362	13.2	40.8	1703	6.94	5.0	12.7	13.4	2.4	182.4	.38	.30	.95	193	1.00	.192	12.3	8.5	2.05	386.2	.085	2	3.14	.017	.22	.8	8.9	.09	.06	92	1.0	.24	11.5	15
76443	4.73	554.95	20.05	76.8	296	5.1	19.4	1231	4.38	5.0	2.3	16.5	3.6	279.3	.21	.24	.33	83	1.04	.232	17.2	5.1	1.18	1220.2	.023	1	2.34	.008	13	.4	6.0	.03	.01	25	.2	.10	7.5	15
76444	13.69	326.25	10.62	69.2	176	4.7	10.2	958	3.03	16.2	16.2	11.7	2.6	124.6	17	15	.24	69	.71	.195	18.5	6.0	.74	448.9	.009	<1	2.24	.010	.11	.7	3.5	.05	.04	34	.6	.05	7.6	15
76445	2.99	260.15	5.99	73.8	129	9.7	20.8	757	5.43	1.6	2.3	7.2	1.2	110.5	.14	.11	.13	232	1.17	261	9.8	11.5	1.27	341.4	.098	<1	2.25	.016	.23	.8	3.0	.04	.02	37	.8	.05	7.8	15
76446	7.30	375.76	31.09	82.2	397	8.2	19.1	1225	3.67	1.8	12.6	186.6	.8	174.0	.34	.14	.27	99	1.30	.214	10.3	10.1	1.24	420.3	.022	1	3.13	.015	.08	.3	2.7	.05	.07	73	1.2	.12	10.4	15
76447	5.12	220.10	8.23	73.9	399	5.7	13.9	905	3.65	25.6	10.1	7.6	.6	127.4	.43	.25	.12	147	1.33	.289	13.5	5.9	.86	346.8	040	3	2.42	.015	.09	.7	3.7	.04	.09	79	2.3	.05	6.0	15
76448	4.46	119.80	6.68	77.2	109	7.0	18.4	952	4.49	9.3	1.9	9.4	2.4	68.1	.25	.33	.09	162	.81	.253	10.4	5.7	1.20	189.2	.076	1	1.76	.020	.11	.8	4.0	.03	.02	25	.3	.03	6.2	15
76459	16.79	373.05	15.63	81.4	204	5.3	15.0	1299	3.46	9.6	14.4	13.4	2.6	129.8	.42	.16	23	89	.92	.221	18.1	6.7	.88	494.7	.011	1	2.38	.009	.08	.7	4.4	05	.03	56	.9	.05	8.4	15
76460	18.55	251.36	22.10	62.9	259	3.6	8.9	670	2.91	3.6	14.3	17.3	1.3	54.1	.17	.71	.14	89	.69	241	24.3	5.7	.48	261.6	009	1	1.92	.006	.06	1.4	2.8	.05	.09	61	.8	.05	6.7	15
76469	6.25	173.91	10.25	93.9	232	5.3	13.4	639	2.44	4.7	9.9	3.8	4.6	62.3	.19	.61	.17	92	.83	.109	19.4	3.5	78	494.3	.012	2	2.02	007	.15	1.0	10.6	.04	10	42	.4	<.02	6.8	15
77099	4.70	136.57	5.61	57.9	70	10.3	14.6	738	4.20	1.9	2.5	4.3	1.5	112.8	.07	.13	.04	169	1.11	.302	14.1	24.5	.95	139.3	.062	<1	1.73	.012	.07	.3	3.3	.03	.01	31	.4	.02	5.1	15
77211	3.20	176.05	6.47	65.2	101	16.6	15.8	784	4.34	1.6	2.9	8.6	1.5	99.6	.10	.11	.05	190	1.16	.326	13.6	47.2	1.06	165.0	076	1	1.86	.015	.15	2	3.1	.03	.01	33	.8	.03	6.4	15
77212	4.15	131.82	7.95	79.7	54	10.1	24.6	1481	5.09	1.8	1.6	7.5	2.4	60.5	.17	.17	.05	174	70	.236	10.8	9.8	1.30	195.8	.043	1	1.88	.020	13	.7	5.9	.03	.02	13	.3	.03	6.8	15
77213	4.14	365.23	20.24	108.7	587	9.8	23.4	1702	5.23	5.1	9.1	9.3	7.8	61.6	.31	85	14	94	.88	.223	23.9	6.2	1.07	378.6	.022	3	1.75	.007	.15	.7	9.4	03	02	41	.1	.03	7.1	15
77214	1.58	247.31	18.98	291.8	280	34.1	34.0	1590	5.43	140.3	9	16.4	1.0	74.5	1.39	1.24	47	148	1.24	.093	7.1	50.5	1.46	327.9	.077	3	2.41	.018	.09	.3	10.6	.04	06	103	2.7	.11	8.0	15
77215	8.18	202.22	6.47	96.0	222	12.1	20.2	703	5.50	2.6	2.8	3.5	1.3	77.0	.10	.19	.10	232	.93	.176	9.7	30.0	1.24	159.0	.113	1	2.21	011	.11	<.2	5.0	.02	.05	31	1.1	.03	8.6	15
RE 77215	8.20	195.40	5.97	88.6	230	12.4	21.9	680	5.39	2.8	2.8	7.0	1.3	79.8	.12	.20	.10	230	.92	.175	9.9	28.2	1.20	150.0	.121	1	2.18	.010	.11	<.2	4.9	.02	.05	42	1.2	03	8.0	15
77216	1.83	132.47	4.70	56.5	84	7.7	19.4	580	6.31	1.6	1.6	3.7	2.0	60.1	.08	.11	.09	309	94	.279	10.4	14.7	1.02	125.0	.080	1	1.39	.020	15	.6	3.2	.02	<.01	11	.2	.04	5.6	15
77217	2.48	251.86	12.20	80.1	155	8.5	21.1	837	5.49	1.3	3.1	6.6	1.6	114.8	.17	14	.15	234	1.38	.256	10.2	11.4	1.38	228.9	.111	2	2.27	.019	.24	.8	3.3	05	.04	51	2.3	.10	8.1	15
77218	1.35	142.55	9.29	54.9	75	7.3	13.9	608	3.94	1.0	1.6	6.6	1.6	73.7	.12	.09	.05	152	.90	243	9.5	13.4	1.00	160.4	080	1	1.45	.020	.12	9	7.4	.02	<.01	12	.6	04	5.5	15
77219	5.26	121.57	8.94	71.9	72	7.9	21.9	991	4.75	1.8	2.3	7.7	1.4	103.1	.12	.14	.12	184	85	.232	8.5	6.4	1.42	180.2	.078	1	2.12	.029	.09	.6	4.4	.03	<.01	18	.4	.04	7.6	15
77381	2.54	441.81	13.62	102.8	203	45.2	27.9	1274	5.65	4.3	4.4	26.9	2.0	256.7	.20	37	.17	208	1.39	276	13.8	75.5	2.25	429.7	.120	1	3.09	023	.33	.2	8.0	.09	01	59	.9	.11	12.0	15
77382	3.49	233.77	6.44	86.0	107	12.8	22.5	928	6.06	2.5	2.2	8.7	2.3	96.0	.13	.16	.06	302	.94	.273	12.3	28.0	1.39	192.7	.109	1	2.24	.014	24	4	4.2	.04	.01	25	.9	.04	8.9	15
77383	3.43	192.68	4.93	72.9	164	10.4	22.5	2121	7.33	2.5	3.5	7.8	2.0	89.4	.27	.14	.05	268	1.16	.266	13.7	19.4	1.01	226.0	.077	1	2.09	.016	16	.5	4.7	.04	.05	68	1.5	.03	6.9	15
77384	2.79	369.37	5.96	40.8	533	3.9	5.9	1045	1.97	1.3	13.7	4.9	.8	127.1	.65	.44	.07	41	2.26	192	19.5	5.4	.44	813.8	.008	11	1.12	.007	.14	.3	2.8	03	.12	131	2.1	.03	3.1	15
77385	3.86	207.46	26.14	81.2	104	12.0	24.6	772	6.05	1.6	1.3	5.6	2.1	87.2	.13	.12	37	258	.94	.267	10.6	19.7	1.33	213.4	.100	1	2.01	.012	.25	.3	3.6	.04	<.01	20	5	.04	7.6	15
77389	28.98	212.65	14.13	83.0	92	5.7	16.3	1413	3.92	6.9	6.5	22.1	2.9	36.1	.39	.11	.06	111	.72	.247	14.8	8.0	.81	176.3	.061	1	1.63	.015	.09	3.7	3.6	.03	<.01	10	.7	.10	6.8	15
77390	4.13	135.61	7.48	80.4	88	8.6	20.9	1458	5.23	8.2	3.4	4.8	5.2	50.1	.27	.48	.05	180	.93	.257	15.5	9.1	1.38	162.7	.075	2	1.97	019	.12	1.7	5.6	.03	<.01	34	.2	<.02	7.7	15
STANDARD DS2	14.69	131.46	34.37	157.6	260	34.0	12.3	843	3.11	62.8	19.9	190.6	3.5	30.1	10.47	9.59	10.78	73	.48	095	14.8	158.5	.60	150.3	086	1	1.60	.030	.16	7.7	3.1	1.78	04	240	2.1	1.81	5.8	15

GROUP 1F15 - 15.00 GM SAMPLE, 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 300 ML, ANALYSIS BY ICP/ES & MS.
UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: SILT S150 60C   Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 31 2000 DATE REPORT MAILED: Sept 12/00 SIGNED BY ....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data___ FA ____

ACME ANALYTICAL LABORATORIES LTD. 8.. E. HASTINGS ST. VANCOUVER ... 1R6 PH (604) ...-3.. FAX (...) 25.. .716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Phelps Dodge Corp. PROJECT 402 File # A003353

1409 - 409 Granville St., Vancouver BC V6T 1T2 Submitted by: Stephen Wetherup

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm
76491	5.60	159.38	12.70	73.1	186	8.6	16.0	770	4.08	5.4	9.3	8.8	.5	71.8	.14	.16	.24	178
77540	2.84	152.79	7 96	73.4	134	9.1	21.7	1372	6.14	4.2	7.7	6.5	4.2	80.7	.19	.41	04	273
77541	2.73	138 24	5.55	57.8	192	6 3	13.2	875	4.38	2.6	7.0	12.9	2.4	51 0	17	.52	.04	200
77547	25.04	253.82	14.85	83.4	83	7.4	14.4	1060	3.66	5.7	6.1	24.8	2.5	41.7	.30	.08	.04	114
77750	8.90	195.50	15.59	78 4	151	8.7	20.4	1672	6.37	3.1	20.6	9.5	6.6	79.4	.14	.45	.06	254
77751	7.26	236.29	16.54	83.7	172	7.5	20.9	1710	5.65	3.6	19 5	4.5	5.6	59.7	.17	54	.07	175
77752	8.39	190.24	14.90	79.1	148	7.7	18.7	1402	6.26	3.3	15 1	4.5	5.4	51.8	.15	49	.05	259
77753	7.68	175.24	14.84	82.9	178	8 0	19.7	1488	5.73	4.9	10.0	5.5	4.6	49.4	.22	.59	.04	203
77754	7.62	150.58	9.89	63.5	254	7.9	15.0	1152	4.20	4.4	11.1	3.2	2.6	54.7	.12	.43	.05	124
77755	4 02	203.98	12.62	62.7	170	21.2	17.4	1073	4 14	7.3	18.0	7.7	4.6	52.9	.14	.50	.09	121
77756	2.15	259.07	19.32	69.9	331	26 4	20.4	1109	4.06	7.5	13.4	9.8	7.4	54.3	16	.67	.14	102
RE 77756	2 26	261.43	19.61	70.7	328	26.3	20.5	1128	4.07	7.6	13.9	8.0	7.4	53 4	.18	.71	.14	100
STANDARD DS2	13.75	126.99	32.69	151.8	261	33.6	11.6	793	2.96	56.3	18.9	207.0	3.6	27.7	10.28	9.55	10.42	73

SAMPLE#	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
76491	.71	.201	9.6	13.8	1.01	281.0	.048	<1	2.38	.012	.11	8	3.2	.05	.04	51	1 4	.10	8.3	15
77540	1.18	.245	14.8	9.1	1.48	417.2	.069	1	2.34	.011	.11	.9	6.5	.03	.02	16	.5	<.02	8.7	15
77541	96	.237	15.4	9.4	.74	354 2	.032	<1	1.44	007	.06	.7	4.5	.02	03	59	.6	<.02	5.2	15
77547	84	.285	15.3	9.1	.76	232.6	.059	<1	1.73	.009	.09	2.3	3.2	.03	<.01	<5	.7	.08	6.6	15
77750	1.12	.351	26 3	15 3	.83	504.0	.021	<1	1.82	.006	.09	.3	6 8	.03	.01	26	.6	.03	7.3	15
77751	.75	.220	19.2	11.3	.67	552.7	.007	<1	1.64	.005	.10	.5	6.3	.03	02	32	.7	.02	5 9	15
77752	.81	.259	20.0	16.4	.71	469.1	.021	<1	1.59	.006	.08	.7	4.9	.04	.01	28	.6	.06	6.5	15
77753	.86	.259	19.8	14.6	.74	399.6	.032	<1	1.57	006	.07	.6	4.6	.03	.01	31	.6	.03	6 2	15
77754	.78	.187	17.3	15.4	.60	382.5	.012	<1	1.64	.005	.06	.5	4.7	.03	.02	56	.7	.02	5.4	15
77755	.79	.178	14.0	56.0	.79	369.1	.017	1	1.42	.006	.09	.5	6 5	.03	.02	29	.7	10	5.2	15
77756	.69	.118	15.2	64.0	1.03	344.9	.026	1	1.74	.007	09	.4	7.1	.03	.02	48	.8	.06	5.8	15
RE 77756	.68	.120	15.3	63.1	1.04	349.3	.024	2	1 73	.007	.09	.5	6.9	.03	.02	54	.7	.07	5.9	15
STANDARD DS2	.52	.087	15.5	153.7	.58	167.7	.091	<1	1.67	.028	.16	6.9	3.0	1.82	.01	231	2.1	1.80	5.8	15

GROUP 1F15 - 15.00 GM SAMPLE, 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 300 ML, ANALYSIS BY ICP/ES & MS.
UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: SILT S200 60C <u>Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.</u>

DATE RECEIVED: AUG 31 2000 **DATE REPORT MAILED:** Sept 18/00 **SIGNED BY** C. L..........D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA ____

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC [illegible] 1R6 PH[illegible] (60[illegible]3-3[illegible] FAX [illegible]4)2[illegible]716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Phelps Dodge Corp. PROJECT 402 File # A003354 Page 1

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm
77700	5 45	367.27	12.46	98.8	121	7.3	25.6	2194	5.73	7.0	2.1	49.6	3 3	42.6	.14	.33	.88	154
77701	5.34	565.17	18.63	183.5	420	7.3	34.4	2592	7.02	44.3	3 7	68.8	7.3	30.1	.89	1.27	34	154
77702	6.85	465.82	12.44	153.8	250	5.3	23.4	1889	6.25	34.0	2.5	66.4	1.6	20.9	40	.90	.37	142
77703	2.92	525 56	11 44	104.4	269	6.1	33 5	2648	6 41	54.3	1.9	17 7	4.2	26 1	.28	.95	1.92	125
77704	5.96	217.18	13.52	94.9	129	7 4	11.4	782	3 32	32.8	4.1	24.0	4	52.2	.21	.46	.39	100
77705	3.67	359.21	15.86	162.8	269	8.8	20.5	1547	4.38	57 3	1.7	70.9	3.2	82.2	.23	.55	.39	137
77706	17.23	208.33	9 67	120.3	165	5.2	12.9	968	3.71	177.0	8.5	30.3	.8	43.1	13	.47	.46	94
77707	3.79	224.49	17.28	100.7	267	9 7	15.7	1014	4.14	263.2	3.9	26.1	.6	98.6	.21	.68	.30	123
77708	2.62	317.88	20.10	86 4	97	7.1	16.7	1336	3.99	4.2	1.5	41.2	1.7	69.9	.22	.20	.18	114
77709	2.12	416.23	15.06	85.4	210	7.0	19.9	1936	4.88	3 0	1.9	41.0	5.6	54.1	.30	.21	.16	123
77710	5.55	209.64	9.23	195.6	231	5.8	18.4	876	4.04	32.3	36.5	39.8	1.5	48 8	.36	.62	.30	142
77711	6.17	98.80	8.07	97.9	221	5.8	12.9	803	3.47	11.2	2.1	8.3	4	27.3	.17	.24	.18	126
77712	1.43	112.80	10.23	65.1	292	7.9	13.2	551	3.88	22.6	1.2	9.6	1.3	19.7	.14	.37	.16	132
77713	1.93	123.33	9.93	101.6	132	5.8	19.8	2156	4.38	36 8	.8	11.6	.8	17.4	.13	.60	.13	154
77714	1 44	274 74	23.68	85.5	2671	8.1	28 3	1566	5.67	758.4	1.7	58.8	2.3	20 3	.52	6.21	.06	151
77715	1.61	81.13	34.81	45 5	308	4.0	8.0	371	3.16	223 0	.6	19.0	<.1	21.2	.24	.96	.10	104
77716	1.71	259 01	11.01	74.2	1598	5.5	21.0	1179	5 17	519.0	1.8	51 6	.9	25 5	.32	7.41	.10	119
77717	3 26	132.13	11.82	77.5	607	5.6	17.2	1633	4.91	201.6	2 5	15.5	.9	28.2	.24	4 89	12	124
77718	2.24	163.08	14.59	95.1	1288	6.5	29.0	2637	5 43	189.1	2.2	51.7	3.9	31.4	67	7.79	.04	83
77719	3.46	172.87	8.70	74.3	331	5.8	15.0	1244	4.41	125 2	1 9	8.4	.9	19.3	.23	1.35	12	120
77720	1.81	178.68	52.88	108 4	2179	6.1	21.5	1340	4.94	1920 2	2.4	123.3	1.2	24.4	1.30	7 27	.06	107
RE 77720	1 84	178.64	52.98	107.9	2190	6 0	21 1	1343	4.95	1917.5	2.4	119.4	1.2	24.1	1.24	7.25	.06	108
77721	2.14	61.24	9.05	85.8	605	7.1	24.5	3158	5.06	47.5	2 8	18.8	4.6	34.3	.26	76	05	44
77722	3.00	202.03	18.80	83.0	720	6.2	22.6	1757	4 88	60.8	3.1	21.9	2.4	37.5	24	.96	.10	140
77723	1 58	293 72	13.14	70.6	599	5.4	22.6	2000	3.36	61 0	1.9	16.4	4.7	20.5	.36	1.10	.12	62
77724	1 86	223.01	10.60	80.9	668	6 2	16.4	1176	4.02	34.9	2.7	12 0	3.7	20.3	.17	1.26	.13	113
77725	3.55	240.08	15 84	111.2	1424	7.3	20.0	1760	4 77	124.5	2.8	31.7	4.6	28.4	41	2.47	.10	95
77726	2 05	191.93	6.94	81.4	316	7 3	23 9	1749	5.05	22.6	2.3	6 3	4.0	30.3	.27	2.99	.02	86
77727	1.80	191.12	9.87	80.1	213	7.8	18.2	1231	4 53	17.3	2.7	6.1	3.5	22.3	17	1 97	.06	103
77728	2 12	208.44	9.45	83.6	246	11.0	16.2	948	4 24	34.8	2.8	22.9	2.0	23.5	.18	.96	.11	131
77729	1.70	289.71	11.55	71.7	87	12.7	16.3	573	4 55	80.8	1.4	22.2	4.4	18 0	13	1.27	.14	128
77730	2.31	154.01	12 19	142 3	277	9.5	34.4	3197	7.58	27 2	2.2	8.0	2.5	14.6	.28	.47	.05	126
77731	2.21	140 79	8.81	77.1	383	6.5	14.1	910	4 63	54.0	6.3	11.2	1 4	32 1	.15	1.00	.07	132
STANDARD DS2	14.17	123.25	33.36	150 9	266	33.7	11.4	798	2.95	57.5	19.4	192.0	3.4	25.5	10.18	10.09	10.92	72

SAMPLE#	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
77700	49	302	16.2	3.7	1.07	145.5	056	1	2.93	.007	.08	.7	7.3	.04	.01	21	.4	08	11.3	15
77701	13	.387	28.5	1.0	.86	336.5	.052	2	1.59	.006	12	.5	11.5	.06	.01	33	3	.15	7.9	15
77702	.58	.303	16.9	3.1	.54	249.6	.012	1	1.92	.005	.09	.4	4.9	.07	.03	50	.4	.14	7.4	15
77703	.65	.249	17.2	4.5	1.31	134.3	.010	1	2 59	.003	.11	.7	7.3	04	.01	41	.4	.10	8.8	15
77704	.36	171	9.3	9.4	.65	167.6	028	1	2.49	.006	.05	.3	1.5	07	.05	45	.6	08	9.5	15
77705	.66	.320	14.3	6 8	1.17	170.9	.072	1	2.72	.009	.09	.3	4.0	07	.01	26	.3	.13	10.7	15
77706	.38	.184	8 1	5.0	.86	193.4	.016	1	2.54	.006	.06	.4	1.8	05	.04	23	.5	.06	10.3	15
77707	.71	.271	13.6	9.3	1.02	178.3	.029	1	2.90	.009	.08	.3	2.4	.09	.04	38	.6	07	11.2	15
77708	.71	.268	15.3	4.7	1.03	425.4	.051	1	2.46	.009	.11	.3	4.4	.03	.02	39	.5	.08	9.6	15
77709	.78	.262	23 5	6.2	1.25	481.1	.036	2	2 37	.008	.14	.2	10.1	.03	01	47	.4	.08	9.6	15
77710	70	221	15.8	5.2	.81	323.9	058	1	2.30	.010	.11	1.7	4.4	.05	.02	23	.5	.06	10.5	15
77711	.40	158	8.0	6.4	.67	149 3	.056	1	2.45	.009	.07	.5	1.5	.05	.08	50	.5	.04	10 8	15
77712	.36	.157	9.0	11.1	.81	81.4	.102	1	3.65	.010	.07	.4	2.9	.05	.04	69	1.0	.08	10.7	15
77713	.21	.174	5 6	5 6	.68	199.7	.020	1	2.71	.006	.08	.6	3 0	.09	03	92	.4	.05	11.3	15
77714	56	.232	12.3	5.8	.71	226.8	.019	3	2.09	.005	.11	1.0	7.1	11	.01	1768	.2	.06	7.5	15
77715	.14	.137	5 2	5.3	.35	114.0	.014	1	1.89	007	.06	.6	.6	.09	.07	123	.3	.03	8.8	15
77716	.63	.193	12.3	4.8	.52	447.3	.017	3	1.57	.005	.13	1.8	4 6	11	.04	1728	.3	.08	6.1	15
77717	.42	.158	12.6	7 1	.51	538.5	.009	3	2.04	.004	06	1 0	2.9	.11	.05	2266	.3	.03	7.6	15
77718	.67	.112	11.3	2.6	.32	629.5	.006	5	.91	.007	.15	.6	9.8	12	04	1982	<.1	.02	2.4	15
77719	.33	.175	9 6	4 1	.77	174.5	.011	2	2.10	.005	.08	7	2.5	.09	.07	94	.2	.03	7.3	15
77720	.45	.158	12 8	4.1	.52	159.3	.010	2	1.75	.004	10	.6	4.8	.12	.01	71	2	02	5.2	15
RE 77720	.44	161	12 7	4.2	.52	159.4	011	2	1.78	.004	.10	.7	4.7	12	.02	87	.2	.03	5.3	15
77721	.49	.148	26.0	2 0	.14	2572.7	.003	3	.79	.002	.17	.5	5.3	.07	.04	77	.2	.03	1 8	15
77722	.84	180	16.7	5.7	1.42	305.7	.016	2	2 49	005	.08	.9	8.0	.09	.04	54	.3	.04	8.4	15
77723	.37	105	21 6	4.8	.73	422 3	.006	2	1.53	.005	.13	1.5	3 9	07	.02	46	.1	.04	5.8	15
77724	.57	.181	13 6	5 2	1.16	177 7	.044	3	1.95	.006	.12	1.0	5.1	05	01	74	.3	.03	6.9	15
77725	.79	.177	16 3	4.8	1.09	382.6	.019	3	1.83	.004	15	.9	7.4	.05	.02	40	.2	.04	5.9	15
77726	66	.158	11.7	3.6	.45	423.1	019	5	.89	.003	.19	1.3	9.6	.11	02	466	.2	.02	2.9	15
77727	.54	.190	16 8	7 0	92	253.4	.027	2	1.92	.004	.13	.7	6.4	.09	.01	36	.3	.02	6.3	15
77728	.46	210	11.4	10.3	1.02	142.7	.033	2	2.36	.005	.07	.7	4.0	.07	.02	85	.4	<.02	7.5	15
77729	.21	096	9 5	14.9	1.06	99.6	.035	2	3.19	006	.06	.7	3.8	.09	<.01	92	.3	.02	8 8	15
77730	.48	.193	20.8	4.4	.36	205 9	012	4	1.08	.003	.12	1.0	10.7	07	02	68	.3	<.02	3.8	15
77731	.61	.185	10 8	6.2	.92	311.0	.015	2	2 06	.005	11	.5	4.7	.08	.03	39	.3	.02	6.1	15
STANDARD DS2	48	.088	14.3	148.1	.57	146 9	085	2	1.58	.028	.15	7.7	2.8	1.84	.01	229	2 2	1 77	5.7	15

GROUP 1F15 - 15.00 GM SAMPLE, 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 300 ML, ANALYSIS BY ICP/ES & MS.
UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 31 2000 **DATE REPORT MAILED:** Sept 14/00 **SIGNED BY** [signature] D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data___ FA ____

ACME ANALYTICAL

Phelps Dodge Corp. PROJECT 402 FILE # A003354

ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm
77732	2.73	60.40	11.12	42.8	233	5 4	7.5	360	3.38	18.9	1 7	5.0	.6	28.0	.14	.95	.20	143
77733	2.03	222 66	6.14	69 7	173	6 8	21.4	1342	5.36	23.1	1.9	6.7	4.5	28.6	.21	1.76	.03	186
77734	2.51	271.03	8.85	85.3	690	7.5	21.3	1931	5.89	51 9	3 7	26.2	3.6	27.8	27	3.12	.05	132
77735	2.56	206.22	7.91	73.2	259	6 8	20.7	1379	5.51	26.3	2 3	13.9	3.8	36.9	.17	2.33	.05	170
77736	1.50	155.34	6.47	68.0	74	7.0	17.2	939	5.00	24.1	1.3	4.0	2.7	23.2	.14	1 21	.04	129
77737	3.31	231.24	7.36	58 4	294	5.5	18.2	1258	5.04	68.4	2.8	9.8	2.2	28.2	.14	2.18	04	156
77738	1.98	80.38	6.99	38.6	624	3.2	9.1	996	2.69	60.2	1.4	5.5	2	14.9	.15	1.04	08	83
77739	3.53	80.04	9.98	42.0	133	5.2	9 4	592	3.68	31.1	2.1	8.6	.4	25.0	.06	.94	.14	120
77740	3.62	35.59	8.08	42.7	59	3 2	7.2	663	3.82	4.0	.5	4.5	.1	43.8	.03	.54	.14	194
77741	1.50	147.51	9.45	63.3	133	5.3	18.4	2137	4.58	22.7	2.1	9.6	3 3	22.3	.32	.93	.07	92
77742	1.06	22.49	13.40	8.8	73	1.0	.7	47	.65	8	.7	3.8	<.1	18.7	.08	.24	.32	60
RE 77742	1.09	23.49	13.95	9.3	77	.9	.7	49	.69	.9	.8	3.5	< 1	19.8	.08	.26	32	65
77743	1.45	165.23	9.98	63.7	161	4 5	14.3	1209	3.88	4.8	2.5	3.7	1.1	38.3	.09	.77	.09	125
77744	3.10	427.55	9.89	85.7	225	6.1	23.7	1740	5.65	18 1	2.8	5.7	6.0	35.4	.36	4.60	.08	143
77745	2.67	156.69	9.35	60 5	143	5.3	14.7	1211	4.43	4.0	4.1	4.3	1.0	77.5	.11	.64	07	152
77746	1 83	528.87	20.42	89.2	888	6.5	20.1	1878	5 46	6.6	4.8	4.2	4.1	59.1	.33	1.37	12	141
77747	3.26	303.30	13.22	84.7	185	6.2	29.9	2379	5 55	9.0	3.6	3.6	8 8	24.5	.28	2.83	08	114
77748	1.10	151.76	8.25	70.1	110	7.6	14 7	1059	4.14	3.8	1.8	5.1	1.8	50.3	.14	79	.12	125
STANDARD DS2	13.79	123.05	32.18	150.4	258	34.0	11.0	793	2.94	56.9	18.9	197.0	3.4	24 7	10.27	9.90	10.84	71

SAMPLE#	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
77732	.20	.058	8.4	9.1	.46	92.2	.035	1	2.43	006	.04	.5	1.9	.07	.01	36	.4	<.02	12.8	15
77733	89	.222	13.8	2.0	1.31	241.0	.085	4	1 73	.009	.17	.6	6.8	.07	<.01	7	.2	<.02	6.5	15
77734	.77	188	14.8	3.0	1.03	491.2	.023	2	2.18	.005	.16	1.1	10.6	.17	.04	96	.3	.02	7 3	15
77735	.98	.223	14.8	3.6	1.21	272.6	.040	4	2 08	.007	.14	.9	8.3	.10	.01	21	.2	< 02	7.5	15
77736	53	.146	8.2	5.3	.86	221.4	.010	3	2 27	.005	.13	.8	6.4	.14	.02	35	.2	<.02	7.4	15
77737	.73	.180	9.8	3.9	1.03	216.8	.027	3	2.08	.006	.11	1.4	5.1	.15	.02	20	.2	.04	7.2	15
77738	.15	.133	6.0	3.9	.33	124.4	.009	1	1.37	.006	.08	.7	.9	.16	.06	68	.1	<.02	5 7	15
77739	.32	.128	10.8	6.2	.51	176 1	.019	1	1.63	.005	.08	.5	1.8	.11	06	48	.2	.04	7.9	15
77740	.15	.110	6.1	4.7	.54	121.0	.019	<1	2 37	.005	.08	.4	2.3	.09	.02	38	.1	.02	15.1	15
77741	.69	.165	13 2	2.9	.86	753.8	.009	2	1.94	.004	.20	.8	8.3	.19	.02	32	.1	.05	5.1	15
77742	.08	.036	6.6	3.2	.07	62.5	.044	<1	1.03	.004	.03	<.2	.4	.03	.05	31	<.1	02	9.7	15
RE 77742	.07	.037	6.8	3.8	.07	64.1	050	<1	1.13	.005	.03	<.2	.5	.03	.04	27	<.1	.03	10.5	15
77743	.74	.195	15.8	3.6	.81	684.2	.019	1	2 43	.007	.08	.6	3.5	.13	.05	32	.2	.03	7.9	15
77744	.92	.196	15.7	.6	1.11	406.8	.057	6	1.94	.007	.25	1.2	9.6	.09	.01	462	.1	.02	6.4	15
77745	1.28	.161	10 8	2.6	1.13	423.9	.033	2	2.66	.007	.10	.5	4.5	.03	.06	52	.3	<.02	8.3	15
77746	.82	.207	15.6	4.4	1.39	451.9	.020	2	3.04	.007	.15	.7	8.9	.04	.02	26	.3	.03	9.7	15
77747	.75	.180	24.9	2.4	1.06	595.2	034	3	1.89	.006	.19	.8	7.9	.04	.01	16	.1	.02	6.6	15
77748	.82	.218	13.8	8.5	1.00	287 2	.019	1	3.08	.007	.11	.5	4.0	.05	.03	25	.4	.02	10.0	15
STANDARD DS2	.48	.085	14.3	147 6	.56	145.5	.086	1	1.57	.027	.15	7.9	2 8	1.82	.02	232	2.2	1 77	5.5	15

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ___ FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Phelps Dodge Corp. File # A003355 Page 1

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm
76461	1.39	34.02	4.10	28.9	156	2.5	4.0	401	1.69	1.2	.6	3.3	.3	12.8	.10	.18	.08	54
76462	2.22	100.82	8.74	62.5	88	3.3	10.3	1238	3.88	2.5	3.9	2.1	5.6	29.2	.16	.81	.06	43
76463	.95	351.47	10.61	70.3	152	6.8	19.0	1798	4.27	3.1	1.0	3.4	4.2	41.7	.18	.66	.07	95
76466	1.73	212.25	9.81	91.5	252	6.3	25.2	2533	5.13	3.3	2.1	4.3	4.1	25.9	.41	.69	.04	68
76467	4.93	562.39	16.45	79.1	1727	7.4	25.9	1818	6.25	25.5	3.6	23.1	4.4	28.9	.56	1.86	.07	71
77224	3.47	78.94	10.96	62.5	64	4.0	10.2	1831	3.65	2.2	2.3	1.9	6.5	18.5	.07	.36	.08	52
77225	1.10	110.91	6.66	61.4	43	6.6	15.8	1156	4.25	2.0	.8	1.2	2.8	20.7	.14	.36	.06	111
77226	1.12	280.60	8.36	74.9	115	8.7	20.4	1745	4.57	3.0	.8	2.1	3.0	20.4	.16	.45	.11	111
77227	1.69	133.35	8.38	79.4	951	8.5	16.6	1222	4.49	6.2	1.0	3.8	1.0	12.2	.26	.85	.10	120
77228	1.53	108.15	8.93	55.7	352	7.1	15.1	1465	3.65	5.7	1.2	2.2	.3	17.1	.26	1.12	.09	96
77229	1.53	109.27	73.37	118.7	3488	6.1	15.0	1884	4.31	25.2	1.0	69.6	2.3	16.4	.98	3.37	.43	103
77230	1.86	97.13	11.69	82.6	442	6.1	13.6	2077	4.55	6.6	.7	164.1	.9	16.3	.14	2.51	.17	144
77231	2.25	206.27	6.62	77.6	759	6.2	16.1	1020	4.75	8.3	1.2	3.9	1.5	14.8	.27	3.84	.16	121
77232	2.03	132.11	25.56	78.9	326	8.5	15.8	1781	4.22	3.9	1.3	6.5	.5	26.5	.30	.72	.10	124
77233	1.47	99.50	7.44	64.8	402	5.9	10.7	613	3.68	4.7	.6	4.3	.9	14.2	.10	.72	.14	137
77234	1.32	197.12	10.83	68.4	510	7.8	17.8	841	4.77	13.8	1.3	15.9	3.2	20.9	.21	2.42	.07	166
RE 77234	1.26	196.50	10.93	69.6	570	7.7	18.2	839	4.69	14.0	1.3	9.3	3.3	19.1	.22	2.34	.07	160
77500	3.77	174.04	6.67	60.4	173	8.1	11.7	416	4.96	5.6	1.2	1.4	1.6	20.5	.08	.84	.13	156
77501	2.76	298.33	8.04	92.7	55	13.1	19.7	732	5.45	5.8	1.6	1.3	7.8	27.5	.15	.71	.11	187
77502	2.42	186.15	8.07	117.8	101	11.1	17.9	773	5.67	4.6	1.0	11.7	4.7	18.8	.20	.57	.15	181
77503	1.89	184.79	6.93	71.5	66	11.2	16.6	814	4.34	3.7	1.4	2.8	2.3	24.8	.13	.61	.08	150
77504	2.42	129.39	8.01	82.3	252	9.2	12.8	782	4.66	3.6	1.0	2.3	.8	15.0	.16	.82	.14	144
77505	2.06	202.87	7.53	81.2	65	7.5	23.6	1318	5.86	5.1	1.5	9.6	2.2	14.5	.15	1.25	.06	139
77506	2.00	90.44	5.46	48.0	119	4.2	7.2	470	3.64	2.5	.9	2.5	.8	14.8	.14	.32	.07	137
77507	1.18	19.98	7.34	18.8	76	2.1	2.4	78	1.42	1.3	.5	3.0	1.1	14.9	.08	.17	.17	66
77508	6.11	56.78	4.66	42.9	124	4.2	8.4	249	3.41	1.9	1.2	28.9	.9	41.6	.13	.25	.07	167
77509	10.16	50.89	6.83	50.6	110	5.0	8.0	315	4.75	3.0	.5	2.5	1.4	17.5	.10	.61	.09	178
77510	2.43	36.92	6.72	58.6	219	4.9	7.7	327	4.48	2.0	.4	1.7	1.3	17.0	.09	.50	.09	177
77511	3.28	82.58	4.75	50.7	273	4.6	10.4	836	3.29	3.6	14.5	5.5	.8	55.9	.15	.38	.05	135
77512	2.84	218.60	7.61	81.8	557	8.6	17.4	1657	4.84	3.1	8.8	3.5	3.1	39.4	.23	.78	.08	163
77513	2.75	415.78	6.89	55.2	109	12.3	25.0	1261	5.39	5.1	3.3	4.4	6.9	22.9	.14	1.94	.09	152
77514	2.60	312.76	8.03	68.7	115	9.8	22.9	1369	5.23	5.8	3.4	5.0	4.2	20.2	.12	3.29	.09	143
77515	3.42	230.58	10.87	67.4	105	8.0	23.2	1233	5.03	8.8	3.5	5.7	4.6	24.4	.12	5.98	.07	114
STANDARD DS2	14.05	125.05	33.54	157.9	253	35.6	11.6	820	3.07	57.8	19.3	199.3	3.9	27.6	10.50	9.75	10.82	73

SAMPLE#	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
76461	.06	.127	5.3	4.4	.19	99.4	.008	1	1.26	.005	.05	.5	4	.06	.06	55	.3	<.02	6.0	15
76462	.48	.128	19.4	1.9	.24	749.9	.003	<1	1.09	.002	.12	.7	3.5	.03	.01	57	.3	<.02	3.0	15
76463	.74	.158	16.9	3.4	1.54	504.6	.012	2	2.37	.008	.17	.5	6.7	.02	<.01	23	.3	<.02	7.2	15
76466	.73	.179	10.5	.8	.55	474.0	.005	3	1.04	.003	.16	.8	8.9	.03	.01	62	.3	<.02	3.0	15
76467	.67	.159	16.8	2.5	.53	549.3	.008	2	1.08	.003	.20	1.1	10.8	.12	.02	42	.4	.03	3.2	15
77224	.23	.131	22.4	3.9	.60	956.3	.003	<1	2.03	.003	.12	.3	2.7	.06	.03	28	.3	<.02	6.6	15
77225	.32	.140	9.6	5.1	1.00	368.0	.007	<1	2.34	.003	.12	.4	3.3	.04	<.01	21	.2	<.02	6.7	15
77226	.33	.174	8.0	7.3	1.30	304.9	.008	1	2.60	.004	.13	.6	4.2	.04	<.01	34	.2	.04	8.2	15
77227	.16	.187	7.9	7.4	.69	163.2	.010	1	2.26	.004	.08	.8	2.8	.08	.02	56	.3	.03	6.9	15
77228	.27	.179	9.1	5.7	.49	250.7	.014	1	1.46	.005	.11	.4	2.2	.06	.08	112	.3	.02	5.0	15
77229	.25	.176	10.6	3.0	.52	233.8	.014	2	1.83	.003	.11	.9	3.2	.10	.01	105	.2	.02	5.9	15
77230	.12	.172	5.8	5.3	.54	121.2	.024	1	2.32	.005	.10	1.1	3.0	.11	.02	83	.2	<.02	11.5	15
77231	.20	.155	8.2	3.5	.62	191.6	.007	1	2.46	.003	.05	2.8	3.9	.09	.03	277	.2	.06	6.7	15
77232	.39	.212	8.8	7.0	.75	213.3	.018	1	2.11	.004	.08	.4	2.1	.07	.06	93	.4	.03	7.7	15
77233	.14	.152	5.2	6.5	.58	62.0	.044	1	2.32	.006	.06	.7	2.6	.08	.03	68	.3	.04	10.5	15
77234	.52	.234	12.3	5.2	.97	156.0	.060	1	2.21	.007	.09	1.1	4.8	.06	<.01	191	.2	.03	7.6	15
RE 77234	.49	.221	11.9	6.2	.97	156.3	.061	1	2.19	.006	.09	1.1	4.8	.07	<.01	137	.2	.05	7.6	15
77500	.29	.161	9.8	11.1	.77	55.4	.045	1	3.09	.006	.04	1.1	2.9	.02	.03	71	.4	.02	10.8	15
77501	.58	.289	16.2	12.0	1.10	141.6	.116	1	2.98	.006	.11	1.2	4.8	.04	.01	45	.2	.03	10.8	15
77502	.37	.231	8.8	9.7	.94	150.2	.104	2	2.68	.006	.11	.9	4.2	.04	.01	25	.2	.02	12.9	15
77503	.67	.261	14.6	10.4	.85	135.4	.056	2	2.12	.006	.08	.7	3.9	.04	.03	64	.2	<.02	8.5	15
77504	.19	.185	7.6	9.0	.59	122.3	.024	1	2.19	.005	.08	.7	2.5	.05	.03	46	.2	.03	10.7	15
77505	.50	.280	13.4	5.8	.84	159.4	.013	2	1.98	.004	.07	1.1	6.5	.05	.02	103	.2	<.02	7.4	15
77506	.15	.121	5.1	6.0	.53	75.4	.015	<1	2.17	.005	.04	.5	2.5	.03	.04	66	.3	.02	10.7	15
77507	.10	.066	5.4	4.2	.13	52.4	.013	1	1.60	.005	.03	.3	1.4	.02	.02	53	.3	<.02	12.9	15
77508	.51	.058	4.1	5.0	.50	299.7	.012	1	1.85	.006	.06	.6	2.5	.02	.02	38	.1	<.02	9.5	15
77509	.13	.075	5.5	6.9	.38	182.3	.017	1	1.73	.005	.05	.7	2.7	.04	.01	33	.2	.02	11.1	15
77510	.15	.121	4.7	6.9	.41	188.8	.020	<1	1.71	.005	.05	.7	2.3	.03	.02	44	.1	.04	10.7	15
77511	1.15	.130	7.5	6.3	.66	413.6	.016	2	1.51	.006	.04	.8	2.3	.02	.04	40	.3	<.02	6.5	15
77512	.78	.164	15.1	9.9	1.02	379.7	.026	1	2.05	.007	.11	.6	8.3	.03	.02	64	.5	<.02	7.0	15
77513	.82	.276	19.6	9.9	1.13	186.8	.024	1	1.68	.004	.10	.8	7.6	.03	.01	64	.3	<.02	6.5	15
77514	.68	.272	20.7	6.6	1.08	137.9	.022	2	1.75	.003	.07	.8	6.9	.04	.02	94	.3	<.02	6.8	15
77515	.71	.269	21.0	4.7	.65	170.9	.018	1	1.21	.003	.07	1.6	6.7	.06	.02	211	.3	<.02	4.6	15
STANDARD DS2	.52	.089	15.6	158.9	.59	152.6	.088	2	1.70	.030	.16	7.2	3.0	1.83	.02	229	2.2	1.94	6.2	15

GROUP 1F15 - 15.00 GM SAMPLE, 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 300 ML, ANALYSIS BY ICP/ES & MS.
UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 31 2000 DATE REPORT MAILED: Sept 12/00 SIGNED BY .... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm
77516	3.19	66.71	5.21	75.6	106	5.8	10.2	628	4.52	2.3	1.2	5.1	.3	34.2	.15	65	.09	171
77517	8.76	146.53	7.92	60.8	158	7 0	13.1	562	4.46	5.4	3.0	12.0	2.2	50.5	.15	2.57	.10	118
77518	3 90	160.55	9.36	74.5	80	7.3	19.4	965	4.79	4.3	2.5	8.0	4.5	35.2	13	1.42	.08	92
77519	3 08	48.26	16.90	37.6	247	3.3	6.5	358	3.87	22.7	.4	26.5	3	12 8	.15	1.47	.09	178
77520	.60	15.85	7.27	29 8	57	1.9	1.8	198	93	7.9	.6	2.7	<.1	16 7	.10	.26	.08	39
77521	4.36	56.74	1 51	50.8	335	2.5	2.8	66	.49	1.1	.2	2.2	<.1	18.9	.64	.11	03	9
77522	1.71	105.01	31.37	78.7	251	5.0	11.7	475	3.61	17.8	.9	23.6	.3	20.5	.26	1 19	.09	111
77523	2 07	280.80	9 68	33.2	484	2.4	7.1	579	3.30	13.6	2.1	7.3	.2	16 8	.08	1.63	.17	88
77524	1.55	45.63	7 74	27.2	87	2.2	5 2	162	2.27	10.6	.3	25.2	1	19.0	.06	1.25	.08	135
77525	1.66	159.94	9.23	65.1	231	5.5	15 7	1395	4.28	59.7	2.6	18 3	.9	65.6	.31	1.32	06	142
77526	1.26	185.48	4.91	75 0	135	6.4	17.6	741	4.95	8.2	1.0	4.2	1.2	24.4	.11	.47	.07	174
77527	1.99	74.72	6 48	30.1	385	3.5	6.6	290	3.42	4.6	1.1	3.9	.5	13.2	.09	.32	.09	150
77528	.50	22.11	7.33	13.0	34	2.3	1.6	60	.79	1.8	.5	2.0	<.1	10.4	.09	18	.09	22
77529	1.56	95 70	4 08	41.2	118	6.1	9 8	321	4 06	3.6	.7	10.7	1.9	24 5	.11	.27	.05	164
77530	3.22	80 99	6.12	44.9	66	6.0	13 1	419	4.89	6.6	.6	4 8	1.7	23.1	.08	.28	06	226
77531	1.58	229.85	23.90	64.9	217	7.4	21.8	921	4.99	8.5	2.3	5.7	2.9	23.0	.24	.49	.57	153
77532	3.28	86.79	9.09	73.3	64	8 3	14.2	643	5.47	6.8	.8	6.7	2.2	25.9	04	.46	.21	170
77533	3.02	64.22	5 60	34.5	114	4.2	7.6	284	3.21	5.4	1.6	6.9	.6	47.8	.10	.37	.11	143
77534	2.13	84.09	5.35	38.8	268	3.3	6 5	550	2.52	5.0	3.0	6.1	.3	54.0	13	31	.11	118
77535	3.91	20.30	5.73	26 6	278	2.8	4.4	366	2 32	3.1	.5	9.2	.3	29.8	.07	.32	.12	151
77536	2.98	195.02	10.03	83.9	1017	5 1	14.3	977	4.00	59.4	16.1	22.0	1.7	86.1	33	1.77	.08	102
RE 77536	2.96	194.75	10.24	83.9	1094	5.6	13 7	978	3.96	63.9	16.5	21.4	1.7	89.7	.36	1 79	.08	97
77801	2 69	216.28	10.37	90.5	814	6 0	19.7	1268	5.23	7.0	2.2	12.3	2.9	21.9	21	1.71	.09	104
77803	1 61	72.06	14.25	94.2	385	6.2	25.1	2388	5.19	6.4	2 0	3.7	3 1	232.6	97	.74	.04	48
77804	4.18	2121.94	15 76	82 9	2021	8.9	26.7	1738	5.58	24.2	8.9	131.0	3 0	33.8	.41	4.86	.24	123
77805	3.96	290.86	10 12	68.4	564	7.2	24.0	1951	5.27	5.9	2.8	11.3	5 8	29.5	.32	1.64	.04	114
77806	2.92	274.23	10.59	77.6	435	8 1	24.9	1872	5.88	5.2	3 0	5.6	6.2	31.5	.26	2 30	.04	142
77807	3.38	192.13	7.78	64.6	189	6.4	20.7	1892	5.08	5.0	2.9	4.1	7.3	29.9	.26	1.84	.04	108
77808	2.18	204.88	6 57	67.5	206	6.4	22.5	1896	4.93	3 9	2.5	5.5	6.1	29 9	.26	1.18	.03	104
77809	1.26	179.03	6 62	69.8	226	6.4	17 9	1328	4 56	3.7	2.0	14 5	3.8	18.3	.31	2.09	12	98
77810	3.42	119.53	53 63	41.4	91	4.2	7.1	526	3 48	4.1	5.9	22.7	2 3	61 4	.25	.51	.09	62
77811	2.58	95.20	12.56	43.5	93	5 6	9.5	411	4.05	2.8	1 0	1.8	.9	32.1	.13	.45	.13	113
77812	2.46	82.68	10.16	81.5	188	11.9	12.6	928	4.14	5 5	12.5	8.9	1.0	89.6	22	.43	.24	114
STANDARD DS2	13.74	123.77	31 31	155.0	248	35.1	11.4	813	3.03	58.4	17.9	193.2	3.6	26.1	10.48	9.91	10.27	72

SAMPLE#	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
77516	.41	.097	5.3	8.1	.67	293.0	.017	1	1 78	.005	.04	.5	1.6	.03	<.01	39	.2	<.02	9.3	15
77517	.94	.281	17.5	7.6	.73	328.2	.012	2	1.75	.004	.05	1.6	4.2	05	.03	215	.3	< 02	6.4	15
77518	.74	.226	17.0	5.5	.64	378.0	004	1	1.56	.003	.07	1 1	6.5	.04	.01	61	.3	<.02	5.1	15
77519	07	.058	3.7	3.3	.23	59 0	.032	3	1.10	.007	.04	.9	1.6	.09	.01	192	.2	.04	9.9	15
77520	.23	.239	2.4	1.1	11	70.8	.005	3	.48	.009	.09	.2	.3	.06	.11	173	.3	<.02	2 5	15
77521	.27	.121	1.5	<.5	.04	157.9	.008	2	28	.003	.03	<.2	.3	< 02	.28	212	.4	<.02	.6	15
77522	.30	.186	6.1	9.6	.59	88.9	018	2	1.43	.006	.07	7	1.9	.04	.05	384	.3	.04	5.8	15
77523	11	.180	11.3	2.5	31	140.0	.009	2	1.67	.004	06	.6	1.2	.12	.06	244	.3	<.02	7.8	15
77524	.17	.055	2.4	2.9	22	125.8	.044	2	.86	008	.04	.3	1.3	.07	.03	129	.2	.02	7.8	15
77525	1.16	.183	13.7	4.7	.89	356.6	.039	4	1 95	.009	.05	.4	4.5	05	.03	90	.3	< 02	6.2	15
77526	.44	164	8.6	3.3	1.16	74.2	.045	3	2.37	.007	04	.7	3.7	.04	.03	53	.2	.09	8.7	15
77527	.12	.090	5.2	4.4	.34	33.6	.069	1	2.12	007	.04	.6	1 3	.02	.04	91	.4	.05	10.9	15
77528	.11	.062	2.6	2.1	.09	34.1	.020	1	.47	.005	.04	.2	.6	<.02	.10	217	.4	.02	1.6	15
77529	47	.183	8.5	6.8	73	65.5	.071	2	2.28	.009	.04	.5	2.7	<.02	.02	43	.2	.03	6.6	15
77530	.33	.104	5.4	5.2	.77	113.9	.184	2	1 60	.012	.04	.7	2.7	<.02	.03	51	.2	<.02	12.5	15
77531	.46	.183	11.9	5.2	1.05	87.7	.080	2	3.33	.009	.06	.6	4 5	.05	.03	80	.3	.05	8.4	15
77532	.26	.084	5.5	6.5	.98	71.3	.112	1	2.29	.010	.05	.7	3.1	.03	.01	41	.1	.06	11.7	15
77533	.39	.051	5.4	6.5	.44	192.8	.051	1	1.39	.010	.03	.5	1.7	.02	03	43	<.1	.05	9.0	15
77534	.61	.072	8.5	5.0	.38	211.3	.057	2	1.40	.009	.04	.6	2 0	.03	.03	59	<.1	03	8.4	15
77535	.25	.056	4.3	4.2	.25	82.3	.091	2	.87	009	.06	.5	1.2	.03	02	92	<.1	<.02	10.8	15
77536	1.32	.178	13.8	4.1	.80	455 9	014	6	1.96	.007	.11	9	5.7	.07	.08	174	1.5	< 02	5.7	15
RE 77536	1.34	.176	14.0	3 3	.81	456.1	.013	6	1.95	007	.11	.9	6.0	.07	08	173	1.6	<.02	5.6	15
77801	.43	.304	13.2	3.6	.73	256.3	006	2	1.83	.002	.11	1 7	7.1	.08	.01	153	.4	03	5.3	15
77803	2 49	.154	12.2	.9	.30	533.0	.005	2	.81	.002	.17	8	7 7	06	01	266	.3	.02	1.7	15
77804	76	.175	17.7	5 0	1 13	354.9	.011	3	2.07	003	.14	6.9	10.0	06	.03	37	.7	.11	6.7	15
77805	.80	.200	16.4	3.2	.93	354.3	.020	2	1.40	.005	.12	1.1	9.4	.05	<.01	148	.2	<.02	4.9	15
77806	.93	.241	18.2	2.1	1.10	329.3	.031	2	1.58	.004	.11	1.1	10 1	.05	<.01	224	.3	<.02	5.8	15
77807	.79	.196	20.0	2.3	.83	358.8	.012	1	1 28	.003	.12	.9	8.1	.04	<.01	287	.2	<.02	4.3	15
77808	.83	.218	20.1	2.5	.81	371.2	.015	2	1.27	.003	.14	6	7.8	.05	<.01	187	.2	<.02	4.4	15
77809	.59	.206	16.9	3 2	.60	357.5	.014	1	1.27	003	.12	.7	6.7	.05	< 01	149	.3	<.02	3.9	15
77810	54	125	12.1	4.4	.38	854 2	002	1	1.66	.003	.11	3	4.2	.08	.05	26	.3	< 02	4.4	15
77811	.40	.117	6.3	5.5	.66	182.9	.009	1	2 74	.003	.04	.4	2.1	.05	06	44	.3	<.02	9.8	15
77812	.64	.187	12.5	12.3	.93	237.6	.016	2	2.89	.006	.08	.3	3.3	.06	.07	58	.6	.02	8.1	15
STANDARD DS2	57	.087	15.3	154.8	.59	150.8	.086	3	1.67	.027	.16	7.1	2 9	1.83	.02	226	2.2	1.78	5.9	15

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ___ FA ____

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
77813	3.15	49.87	8.87	36.3	254	5.8	6.4	224	2.86	2.6	1.5	49.9	1	29.1	.16	.29	.24	94	.11	.165	5.4	10.5	.40	77.8	.013	1	1.98	.005	.05	.2	.6	.08	.11	91	.5	.02	9.3	15
77814	5.78	107.49	9.27	64.7	251	8.6	10.9	755	3.81	3.5	38.1	5.1	1.5	79.1	.12	.35	.28	95	.86	.289	19.0	10.8	.76	602.7	.011	2	2.69	.005	.06	.3	4.9	.08	.15	67	.9	<.02	8.4	15
77815	3.93	231.81	14.91	89.6	316	10.8	26.4	3307	6.26	5.1	3.5	5.3	3.5	17.8	.31	.73	.09	102	.27	.201	14.2	7.6	.58	230.1	.005	1	2.46	.003	.08	.3	10.6	.08	.02	87	.6	.02	4.6	15
77816	2.11	129.87	8.61	109.7	82	9.3	17.5	1934	4.69	3.8	1.4	2.6	3.2	18.1	.15	.55	.13	119	.15	.194	9.7	7.8	.81	140.8	.011	1	2.81	.003	.07	.5	5.2	.08	<.01	14	.3	<.02	8.3	15
77817	2.24	170.31	8.87	95.4	111	13.6	21.2	1837	5.15	4.8	1.8	5.3	2.3	20.5	.18	.43	.14	148	.30	.236	13.4	14.0	1.19	141.8	.039	1	3.01	.005	.07	.5	5.3	.07	<.01	22	.2	.03	10.7	15
77818	2.19	192.25	8.35	80.7	197	10.9	22.5	2166	5.14	7.2	1.8	19.8	3.3	18.0	.23	.55	.12	105	.36	.200	13.3	8.2	.81	368.2	.010	1	2.37	.003	.12	.4	5.9	.09	<.01	25	.2	<.02	6.5	15
77819	1.68	109.39	7.08	63.5	172	13.5	11.4	675	3.65	4.7	.9	10.9	.3	23.2	.18	.41	.15	91	.21	.124	8.0	15.1	.74	126.9	.014	1	2.05	.004	.06	.3	1.1	.04	.10	74	.3	<.02	6.9	15
77820	.93	174.25	6.44	76.7	219	9.1	27.3	2986	5.53	1.9	1.7	7.0	5.0	19.0	.13	.46	.04	81	.73	.205	21.9	2.5	.38	420.1	.004	1	1.07	.002	.12	.2	12.8	.03	<.01	20	.2	<.02	3.3	15
77821	1.38	49.72	4.62	41.8	251	3.7	6.4	590	2.01	1.4	.7	3.5	.1	16.5	.14	.19	.15	55	.10	.134	3.7	4.8	.28	112.3	.007	<1	1.20	.003	.07	.2	.4	.04	.11	91	.1	.08	4.6	15
77822	2.61	89.16	8.10	56.2	43	4.3	12.0	720	4.17	3.1	.6	3.4	1.8	9.6	.08	.42	.12	85	.07	.120	6.2	4.0	.32	146.4	.002	1	1.88	.002	.08	.3	3.7	.08	.04	113	.2	.02	5.0	15
77823	3.37	135.35	7.33	52.0	465	6.6	7.7	763	2.94	3.0	2.3	2.4	.6	16.5	.12	.22	.20	83	.12	.215	9.9	8.6	.46	142.7	.010	1	2.64	.004	.04	.4	1.3	.05	.12	102	.7	<.02	7.1	15
77824	4.42	64.92	8.91	60.5	220	5.7	10.6	652	4.08	2.3	1.3	2.8	1.2	40.5	.29	.52	.10	145	.42	.097	6.4	6.1	.64	753.3	.010	<1	2.35	.003	.04	.5	3.1	.06	.03	27	.2	<.02	10.1	15
77825	7.45	174.89	51.26	192.2	476	8.2	11.4	970	4.24	4.8	13.8	12.0	1.5	55.0	1.52	.54	.14	108	.46	.299	17.3	7.9	.70	355.5	.011	1	3.06	.004	.06	.6	4.7	.09	.12	125	.7	.02	7.5	15
77826	.90	31.37	5.79	19.2	311	2.6	2.9	96	1.47	1.1	.6	2.1	.3	18.3	.08	.29	.15	63	.09	.085	5.2	6.7	.22	85.9	.008	1	1.76	.004	.03	.5	.9	.05	.04	64	.2	.03	8.4	15
77827	15.68	104.64	8.74	69.8	1079	7.5	8.7	1208	3.80	2.4	8.6	1.5	.8	49.9	.21	.51	.22	100	.35	.341	17.0	8.9	.49	255.4	.012	1	3.00	.005	.05	.5	1.8	.07	.17	129	.9	.06	7.7	15
77828	1.39	22.24	5.55	23.4	81	2.0	3.5	354	2.34	1.2	.3	1.4	1.3	14.3	.02	.55	.10	70	.08	.077	4.3	3.4	.21	97.7	.003	1	1.95	.002	.08	.2	1.4	.08	.02	26	<.1	.05	7.6	15
77829	6.94	69.49	6.67	28.0	389	5.2	9.6	187	3.15	1.7	1.4	5.9	1	13.9	.14	.25	.11	128	.08	.121	3.8	5.7	.61	51.4	.047	1	1.77	.008	.05	.3	1.0	.03	.09	129	.4	.03	9.2	15
77830	4.00	45.26	5.04	40.7	494	4.5	5.7	274	2.51	1.8	.7	1.5	1.0	10.5	.14	.40	.10	83	.07	.114	6.1	7.7	.33	89.1	.006	1	2.26	.003	.04	.4	1.7	.09	.04	76	.3	<.02	8.7	15
RE 77831	5.82	53.57	9.20	62.2	167	3.2	13.9	2699	2.68	2.6	1.4	.9	.4	35.1	.44	.51	.09	64	.45	.204	6.1	3.1	.32	338.4	.008	2	.96	.006	.19	.4	.6	.05	.08	39	.1	.02	5.0	15
77831	5.72	53.80	9.19	61.6	161	3.3	13.9	2762	2.68	2.7	1.4	.4	.5	34.8	.45	.48	.08	63	.44	.199	5.5	3.3	.31	340.6	.007	2	.94	.006	.18	.4	.6	.04	.08	41	.1	.02	4.9	15
77832	4.81	161.99	16.21	34.3	662	3.8	8.4	457	2.99	9.9	12.1	7.6	.5	171.9	.55	.41	.07	114	1.44	.093	12.8	5.9	.32	724.2	.017	2	1.53	.006	.06	1.2	2.4	.05	.06	60	.5	<.02	7.1	15
77833	3.62	52.77	5.40	56.8	323	3.7	9.0	375	3.71	25.3	.4	11.0	.5	36.4	.08	.83	.09	154	.36	.060	3.5	5.1	.46	271.3	.020	1	1.74	.008	.06	.7	2.2	.04	<.01	67	<.1	.02	8.8	15
77834	6.16	163.09	12.74	96.4	429	5.9	16.2	3125	4.25	18.9	1.2	11.2	.9	52.3	.56	.59	.18	174	.64	.072	7.3	7.8	.56	377.7	.040	2	2.37	.007	.07	.9	2.7	.08	.01	37	.1	.03	11.2	15
77835	1.06	21.20	5.10	29.4	88	2.4	5.7	182	2.28	7.0	.2	25.7	1	28.7	.07	.32	.09	116	.26	.051	2.9	1.7	.34	119.1	.054	1	1.37	.010	.05	.4	1.7	.02	.02	14	<.1	.02	11.1	15
77836	2.15	25.78	4.91	44.9	87	5.2	8.1	245	3.02	4.5	.4	20.2	.9	25.1	.07	.29	.12	124	.25	.100	6.0	7.6	.53	80.0	.066	1	1.41	.009	.05	.6	2.2	.03	<.01	18	<.1	.02	10.4	15
77837	1.04	20.63	4.99	24.6	101	2.4	5.1	147	2.49	7.3	.1	7.0	.6	27.4	.07	.27	.08	145	.20	.035	2.9	3.2	.24	52.2	.091	1	1.10	.012	.05	.3	1.9	.03	<.01	33	<.1	.05	10.9	15
77838	6.27	350.97	9.65	67.6	1452	6.8	21.0	958	4.12	11.2	2.7	3.2	3.4	67.0	.43	.46	.16	157	.82	.092	10.6	7.9	.53	233.9	.070	2	3.52	.009	.06	1.0	4.5	.05	.02	64	1	.03	12.9	15
77839	5.59	27.98	5.29	25.0	97	4.1	6.2	157	3.32	2.3	.4	2.8	1.0	21.3	.04	.20	.09	184	.16	.044	3.5	5.0	.32	47.5	.107	1	1.12	.009	.04	.4	1.7	.02	<.01	31	<.1	.03	10.6	15
77840	1.88	21.37	4.50	10.4	122	1.3	2.5	74	1.62	1.4	.6	20.4	.5	21.4	.06	.18	.08	123	.20	.028	6.5	2.7	.14	120.2	.043	1	.97	.008	.03	.3	1.2	.02	.02	22	<.1	.04	9.4	15
77841	1.22	17.95	8.09	31.6	94	4.0	6.7	186	2.94	5.2	.3	3.1	1.0	22.2	.06	.29	.13	134	.19	.120	3.2	4.3	.45	50.5	.107	1	1.35	.009	.03	.5	1.9	.02	<.01	25	<.1	.03	14.2	15
77842	1.91	30.00	5.36	32.0	219	3.9	7.1	275	4.77	2.8	.4	.9	1.0	15.6	.05	.43	.08	258	.15	.127	3.0	8.0	.39	37.9	.050	1	1.57	.007	.03	.6	1.9	.02	<.01	43	.2	<.02	12.3	15
77843	2.39	61.74	5.37	46.5	446	4.3	9.8	654	5.14	2.8	.5	3.2	2.0	16.9	.05	.47	.07	252	.21	.130	5.6	8.7	.41	67.3	.031	1	1.96	.005	.03	.8	2.4	.02	.01	56	.1	.02	8.4	15
77844	3.10	75.22	5.66	47.3	52	7.4	12.2	355	5.58	4.7	.4	2.8	1.0	16.5	.07	.40	.08	251	.18	.089	3.2	7.9	.80	38.9	.075	1	2.04	.007	.03	.9	2.7	.02	<.01	42	.1	.02	14.2	15
STANDARD DS2	14.37	126.83	33.65	157.4	263	35.3	11.6	829	3.09	57.1	18.9	209.8	3.9	27.0	10.41	9.52	10.64	74	.53	.087	16.1	159.6	.60	153.1	.088	2	1.72	.027	.16	7.2	3.0	1.87	.02	250	2.1	1.82	5.9	15

Sample type: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ___ FA ___

ACME ANALYTICAL LABORATORIES LTD. [illegible] E. [illegible]ING[illegible] [illegible] V[illegible]DUVE[illegible] [illegible] 1R6 PH (60[illegible] [illegible]3-3[illegible] FAX [illegible]2[illegible] [illegible]716[illegible]
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Phelps Dodge Corp. File # A003356

1409 - 409 Granville St., Vancouver BC V6T 1T2

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm
77246	23.47	20131 33	5 84	44 0	6490	26.3	23.6	696	14.31	9.9	1 5	57.8	4.3	12.8
77247	3.37	38.38	8.43	32.3	1840	1.9	3.0	582	1.66	7.6	.7	3.7	.6	137.1
77248	2.14	835 31	1.75	23.0	139	7.3	6.4	377	2.77	5	4	9.1	7.2	14.7
77791	8.23	391.35	2.23	43.5	251	4.0	7.8	998	5.27	<.1	4.5	.4	10.8	24.5
77792	5.01	486.23	2.35	31.3	160	5.7	23 2	739	4.48	1.8	2.8	.9	10.5	16.9
77793	4.91	3901.77	1.53	42 2	966	11.0	10.1	758	6.41	3.6	2.2	7 4	8.6	7.1
77883	10 16	31841.19	6.05	34.2	5197	38.2	23.3	778	8.91	1.6	2.3	40.7	3.8	23.8
77884	7.22	6175.32	3.01	39.5	1275	17.1	9.5	725	6.22	1.0	1.9	17.1	5.6	34.9
77885	6.20	5139.60	2.82	26.7	714	17.1	9.7	588	6 27	1 9	1.3	20.5	5.3	27.0
77886	19.37	43045.12	7.25	32.8	9230	40 8	15.6	536	10.12	4.4	1.6	45.2	3.7	26.2
79100	2.73	1981.94	9.52	30.3	983	7 0	7.0	543	5.43	62.2	1.6	5.5	7.2	27.8
79101	4.83	3707.72	19.20	41.2	2512	9.2	10.2	693	5.84	206.8	1.7	12.4	7.3	27.5
RE 79101	4.64	3584 12	18.88	41.6	2549	9.0	10.2	670	5 65	193.4	1.6	11.2	7.4	27.6
79102	3.78	13641.25	36.80	44.7	10398	11.9	7.7	647	7.08	3675.7	.9	25.4	5.2	22.1
79103	9.17	18568.56	26.75	41.3	39380	8 5	2 0	143	11.91	843.1	.9	30.3	5.0	17 5
79104	10.66	25581.15	108 37	65.1	62164	13.4	11.0	488	14.54	1275.3	2 5	39.1	4.4	14.0
79105	5.05	20112.11	15 68	32.1	34296	9.4	3.6	344	10.52	1048.2	1.3	28.8	5.3	35.6
79106	5.40	10016.00	9.54	31.8	4518	11.2	14 1	597	10.70	34.5	2.4	14.4	6.2	20.3
79107	7.93	12300.58	11.85	18 4	8572	8.1	9.6	240	6.74	86.9	1.4	31.0	7 3	21.0
STANDARD DS2	14.22	123 17	31.75	152.8	264	32.7	10.9	816	3.02	53.2	18.3	214.3	3.4	26.4

SAMPLE#	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Hg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
77246	.09	.64	2.28	33	.10	.066	2.8	3.4	.57	42.9	.010	<1	1 44	.003	.35	3.1	1.7	.04	2.63	16	4.7	.29	5.3	15
77247	.39	3.27	.12	10	2.23	.024	.8	13.0	.37	920.8	<.001	3	20	.004	.17	3.4	1.0	.03	.20	105	< 1	<.02	.4	15
77248	.09	.14	05	26	.28	.041	29.8	14.9	.30	110.9	.002	1	55	.049	.08	4.4	1.2	<.02	.04	<5	<.1	<.02	3.3	15
77791	.07	.38	.08	45	1.63	.155	41.5	8.7	.48	153.3	.016	<1	1.62	.008	.57	1.6	2.8	.04	.06	17	<.1	<.02	3.4	15
77792	02	39	.17	46	.98	.159	18.6	8.0	.62	127.0	.014	2	1.68	.008	.52	2.4	2.5	.04	22	12	.2	.03	4.1	15
77793	.04	.46	.36	40	62	.135	11.9	7.6	.70	100.6	.018	2	1.90	004	59	2.4	2.0	.06	.36	<5	.5	.03	4 6	15
77883	.55	42	1.78	62	1.27	.118	8.6	.9	1.02	106.1	009	1	1.47	.009	.22	6.4	3.8	.03	1.77	168	4 6	.30	5.6	15
77884	.26	.37	.41	105	1.69	.152	12.8	7.3	1.18	341.3	.008	1	1.62	.012	.19	2 1	5.0	.02	.36	290	.9	.09	6.6	15
77885	.07	.27	.24	105	1.16	.150	12.1	6.1	1.14	236.6	.012	1	1 47	.017	.16	3.9	5.5	.02	.39	390	.8	08	7.3	15
77886	.73	.59	3.80	54	1.41	.103	8.8	13.1	.55	72.1	.003	<1	.96	.018	.11	6.0	2 8	<.02	3.51	108	7.7	.24	4.8	15
79100	09	2.60	.44	14	.18	.022	21.3	6.5	.05	743.5	.004	2	.61	.007	.41	5.2	.5	.05	.15	68	.1	<.02	1.0	15
79101	.15	10.76	.68	18	.46	.022	11.9	7.6	.08	507.4	.004	2	.66	007	34	5.3	.7	.04	.37	289	.3	.04	1.0	15
RE 79101	.19	10.53	.70	18	.44	.022	12.7	6.9	.08	504.3	.004	1	.65	.007	.34	5.3	.7	.03	.36	298	.3	.04	1.0	15
79102	.27	85.71	2.03	26	.57	.022	11.1	4.1	.09	148.1	.002	<1	.43	.004	.24	6.5	1.1	.06	94	2393	2.5	.14	.8	15
79103	.59	23.46	3.90	27	.03	.019	8 8	7.5	.01	53.8	.003	1	.33	.012	.17	27.1	.5	.03	2.36	467	5.5	.36	.8	15
79104	1.15	107.64	2.69	39	.04	.021	5.9	1.5	.02	54.6	.003	1	.36	.004	.20	17.3	1.2	.05	2.07	2480	4.1	.16	1 4	15
79105	.67	15 05	2.31	23	.19	.018	7.2	4.7	.02	99.4	.004	2	.41	.009	.19	9.9	.6	.03	1.11	250	2.3	17	9	15
79106	19	8.82	1.18	27	.13	.021	8.8	6.1	.05	156.8	.004	1	.47	.010	.23	7.2	.8	.02	.78	76	1.3	.06	1.5	15
79107	.16	15.76	2.20	18	.06	022	9.4	6.6	.02	86.0	.002	1	.31	.026	.14	13 9	.7	.02	1.32	300	2.0	.15	.8	15
STANDARD DS2	10 12	9.85	10.47	75	.49	.092	14.9	150.9	.58	148.7	.086	1	1.58	.026	.15	7.3	3.0	1.77	.01	237	2 2	1.81	5.7	15

GROUP 1F15 - 15.00 GM SAMPLE, 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 300 ML, ANALYSIS BY ICP/ES & MS.
UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 31 2000 **DATE REPORT MAILED:** Sept 15/00 **SIGNED BY** C. L. ......D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA ____

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER ... 1R6 PH (604 ... 3-3 ... FAX ...)25 ... 716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Phelps Dodge Corp. File # A003358

Tenakihi

1409 - 409 Granville St., Vancouver BC V6T 1T2 Submitted by: Stephen Wetherup

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm
77845	2.84	144.70	5.11	52.6	141	8.3	13.7	917	5 26	2.7	4.0	5.8	3.5	36.8	.14	.51	.04
77848	9.71	144.32	10.55	77.3	220	6.6	13.8	811	4.39	10.9	36.2	4.7	2.0	53.6	.25	.92	.08
77849	12.24	145.57	11.93	110.0	114	3.9	12.1	620	3.19	4.7	15.1	4.9	1.4	35.7	.56	.44	.09
77850	7.05	208.69	11.03	72.0	230	8.1	13.3	1248	3.65	6.9	32.1	5.9	1 4	57.9	.53	.80	.08
77851	7.95	379.33	15.56	135.7	432	4 6	13.6	1657	3.23	7.6	39.1	7.6	.8	93.1	1.36	.52	.20
77858	15 57	181.10	5.60	69.2	81	5.1	18.4	1512	4.36	20 4	6.3	54.7	2.1	45.6	.29	20	.11
77859	28.51	440.18	9.35	77 1	365	5.0	16.4	1516	3 68	23.3	7.4	10.9	.3	82.5	46	.20	.21
77860	12.01	407.38	14 30	79.5	264	5.7	14.3	1304	3.27	11.4	17.0	16.4	2.4	108.3	.34	.17	.22
77864	5.82	459.94	20.79	120.2	535	10.6	23.3	1634	5.16	8.0	26.2	12.3	8.1	64.1	.33	1.04	.27
77865	3.95	270.40	13.72	81.4	324	12.4	21.2	1346	4.90	5.5	13.4	6.2	5.3	44.0	.16	.77	.13
RE 77865	3.94	274.25	13.60	82.9	320	12.7	20.5	1365	4 97	5.5	13.3	8.0	5.2	42.8	.15	.78	.12
STANDARD DS2	13.73	122 97	32.57	153.8	259	35.2	11.6	804	3.02	56.7	18.6	202.8	3.7	25.8	10.59	9.74	10.64

SAMPLE#	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
77845	293	.79	.232	14.8	14.6	.78	232.5	.055	2	1.57	.009	.07	.7	4.0	.03	.03	50	.4	.02	5 5	15.0
77848	164	.93	.251	20.1	6.7	.65	397.2	.046	3	1.63	.007	.09	1 6	3.6	.05	.04	65	1.8	.02	6.7	15.0
77849	122	.84	.248	17.0	5.2	.57	386.9	.013	2	1.45	.005	07	.7	3.4	.03	.08	39	1 0	.02	6.3	15.0
77850	138	.98	.225	25.4	12.9	.59	381.2	.045	4	1.42	.007	.09	1.1	3.9	.03	.06	58	2 0	<.02	5.4	7.5
77851	103	1.18	.261	26.4	5 3	.62	669.1	.022	3	2.57	.008	.10	1.7	2.8	.07	.10	122	2.4	.05	6.9	15 0
77858	181	1.22	.314	16.8	5.4	.68	171.1	.125	1	1.66	.010	.07	2.3	2.6	.02	01	8	.8	.07	7.3	15.0
77859	113	.96	.228	17.1	6.0	.65	252.7	.053	2	2.77	.011	.08	1.0	1 9	.06	.10	89	1.8	.08	8 8	15.0
77860	85	.96	.182	17.0	6.6	.83	445.5	.018	1	2.54	.009	.11	.6	4.6	.04	.03	50	1.4	.08	7.5	15.0
77864	117	.81	.176	25.3	8.8	1.13	338.6	.025	3	2.19	.007	.14	.7	8.9	.05	.01	78	.6	.04	7.8	15.0
77865	143	.68	.177	23.3	18 0	1.10	298.1	.019	2	2.28	.005	.11	.6	8.5	.03	.02	48	.6	.05	7.7	15 0
RE 77865	145	.70	.172	22.6	17.5	1.11	300.6	021	2	2.34	.007	.11	5	8 7	.03	<.01	47	.5	.02	7.8	15.0
STANDARD DS2	74	48	.089	14.6	150.7	.58	151.4	.087	2	1.62	.027	.15	8.1	2.7	1.77	.01	224	2.2	1.91	5.9	15.0

GROUP 1F15 - 15.00 GM SAMPLE, 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 300 ML, ANALYSIS BY ICP/ES & MS.
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- SAMPLE TYPE: SILT S200 60C   Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 31 2000 **DATE REPORT MAILED:** Sept 12/00 **SIGNED BY** .... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ FA ___

ACME ANALYTICAL LABORATORIES LTD. ... E. HASTINGS ST. VANCOUVER BC ... 1R6 PHONE(60...)253-3... FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Phelps Dodge Corp. File # A003360
1409 - 409 Granville St., Vancouver BC V6T 1T2 Submitted by: Stephen Wetherup

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
76495	4.13	36.37	11.17	23.8	815	7 8	239.7	307	7.27	55.5	.7	10.5	1.4	181.5	.03	1.81	3.27	45	83	.027	5.3	11.5	.34	49.0	.055	2	.92	.012	<.01	13.6	3.0	<.02	4.61	11	5.5	1.02	5.5	15
76496	427.60	2253.14	4.65	46.4	885	5.4	12.2	921	3.29	2.8	4 5	88.9	9.1	42.1	.18	.44	9.22	127	1.75	.155	11.6	7 0	95	84.9	102	5	1.31	.044	.20	40.2	4.6	.02	.24	<5	.8	.09	5.9	15
76497	4.67	1712.44	2.43	34.4	453	7.6	6.7	477	1 63	1 8	1 9	1.7	8.3	42.6	.10	.60	.12	25	.30	.028	9.6	12.4	.44	217.9	074	1	1 04	054	.33	1.5	1 6	<.02	.02	29	.1	.02	3.2	15
76498	43.16	9756.56	4.67	56.4	6639	20.0	98.4	1350	8.58	23.4	1.5	9.7	2 9	114 1	09	1 53	5.30	96	.92	.141	12.5	6.8	1.61	227.2	.141	2	2.07	.020	.19	4.4	3 5	< 02	1 17	13	2 8	38	8.8	15
76499	3.66	614.87	5 76	17 4	256	4.2	4.1	235	.96	2.3	2.6	6.4	15.5	33.8	.13	41	09	19	.60	.027	11.4	8.7	.27	159.4	.050	1	.96	.049	.44	4.9	1.2	<.02	.03	<5	<.1	02	2.8	15
77542	2.28	84.16	3.94	10.5	82	3.6	1.4	225	.86	<.1	2	31 1	1.5	84.6	.07	.07	.02	82	4.02	.026	2.6	8.7	.16	81.9	.050	<1	2.91	031	.15	9	1 2	<.02	<.01	<5	<.1	.04	8.4	15
77543	.77	12502.59	3.04	485.5	81	10.9	38.9	557	2.97	.5	.9	8.2	1.5	87.6	2.64	07	< 02	105	1.02	.228	9.8	2.2	1.10	108.3	.117	<1	2.15	.065	.25	.5	2.9	.02	.02	<5	< 1	03	6.3	15
77544	15.32	44894.92	9.85	760.0	28114	59.5	101.5	379	11 75	176.2	<.1	117.4	.4	13.0	5.03	.48	1.85	26	.12	.039	1 0	39.6	56	82 2	.014	<1	.88	.026	.08	6.9	1.1	.03	7.70	226	7.9	2.25	4.7	15
77545	7.08	1380.61	2.61	51.3	741	4.8	10.2	332	2.58	2.0	9	31 7	2.2	27.2	.16	.04	.04	115	.84	.174	8.3	5.4	.65	150.0	.160	<1	1.23	046	32	.9	1.8	.03	.29	<5	.3	.16	5.1	15
77546	4943.07	1357.62	16.70	9.7	3800	24.3	1.7	31	1.17	45.4	<.1	174.5	<.1	1 9	< 01	.14	.32	4	.02	<.001	<.5	29.0	.01	42.8	<.001	<1	.03	.008	.05	13.9	<.1	<.02	50	<5	2.8	1.54	.3	15
77558	21.03	1228.19	2.10	27.6	480	11.0	26.9	714	9.66	6.1	1.1	2.5	2.5	25.0	.02	.77	.30	145	.94	.133	17.5	7.6	1.19	425.0	.027	3	1.77	.024	.35	.9	8.4	.02	.28	10	.3	.03	8.1	15
77559	17.51	16.43	13.14	138.8	41	9.3	23.0	2492	5.83	7	3	1 3	<.1	151.1	.96	.59	.05	26	13.40	<.001	1.5	4.8	4.68	716.2	<.001	<1	02	003	<.01	3.0	.5	<.02	.06	362	.2	.03	.2	15
77560	6.65	1386 35	1.26	74.8	922	7.0	11.2	1497	4.61	5.4	1.3	1.1	3.3	63.8	.03	.75	.20	96	.74	.150	11.2	7.1	1.16	220.4	.128	1	1.65	.072	.20	2.3	3 9	<.02	06	5	1	<.02	6.1	15
77566	4.24	475.65	1.42	11 9	48	3 1	6.6	153	.88	2.6	4.3	.7	13.0	78.7	.07	.32	<.02	6	.31	.008	10 1	13.0	.16	363.8	.009	1	.66	.035	.23	4.0	.6	<.02	.06	9	<.1	02	2.8	15
77570	5.71	15.50	3.16	20.6	23	2.3	19.7	430	1.92	5 0	2 0	1.3	7.9	92.2	.02	.43	.09	14	2.36	.016	8.3	7.3	.20	159.4	.012	1	1.40	027	.28	2.9	.8	.02	.31	<5	<.1	<.02	5.0	15
77581	1.83	1279.00	6.13	34 0	376	1 8	4.8	694	2.28	3.9	.7	2.7	3.3	28.6	.07	.14	.04	52	2.91	.094	5 5	7 5	.61	158.5	.049	2	2.65	.008	.10	1.6	2.5	<.02	.08	<5	.1	<.02	8.1	15
77749	35.63	5816.38	5.56	149.8	3404	35.8	46.5	589	3.88	7.0	.5	61.7	2.4	105.3	2.30	.11	.07	59	1.63	.134	12.8	2.8	1.80	101.2	.093	1	2.13	.018	.03	1.2	2.0	<.02	.23	5	1.8	.41	4.5	15
77757	1.17	4358 24	5.33	103.9	2070	184.0	39.4	1795	3.92	7.3	.4	16.2	.1	31.6	.16	.45	74	92	1 10	.051	1.0	77.9	2.05	125.4	.090	11	2.40	.030	.16	.8	5.1	<.02	06	7	1 8	06	7.1	15
77794	64.09	32016.07	9.45	43.3	5601	26.7	11.1	892	19 84	3.2	2 3	14.5	4.3	8.9	.17	.35	16.69	59	.16	.058	4.2	<.5	1.18	111.8	.012	5	1 72	.016	.16	1.4	3.3	<.02	2.20	12	3.9	.24	11.2	15
77795	16 46	17696.07	8.16	26 4	4243	26.1	62.0	305	7.58	29.9	.6	56.9	4.5	18.6	.24	31	2.82	32	.34	.039	8.9	11.5	.24	63.8	.010	1	.47	.014	.02	7.2	1 2	< 02	2 38	32	5 2	.53	2.8	15
77796	15 13	24570.86	5.77	90.4	6456	38.5	82.3	2321	11.69	26.5	3.4	39.3	5.1	5 9	.49	.31	2.75	69	.24	.093	9.0	<.5	2.97	103.7	.012	2	3.80	.012	12	.7	7.9	<.02	2.23	9	3.5	.10	21.7	15
77797	7.68	4939.50	1.22	24.7	773	20.1	37.4	1170	8.06	6.9	2.4	7.3	2.6	6.5	.03	.24	.52	62	.33	.127	10.0	4.4	.60	208.8	.011	1	1.33	.023	.32	2.0	1.9	.02	.60	<5	1.2	.14	5 8	15
77798	1 13	5157.86	3.91	30.5	165	4.6	11.1	570	2.77	1 6	1 5	2.3	5 8	28.3	.10	21	.10	61	1.20	.123	12.4	.7	.71	149.2	.012	2	1 08	028	.19	.6	3.4	.02	.05	<5	.1	<.02	5.4	15
77799	1.90	1785.61	2 19	19 4	35	3 3	4.2	427	1.77	.9	.8	.5	4.0	17.8	.10	16	04	27	90	.049	7.9	5.5	.33	83.6	.011	2	.66	.033	.20	1.7	1.1	<.02	02	<5	<.1	< 02	2.9	15
RE 77799	1.99	1736.24	2.06	19.1	30	2.9	4.0	416	1.72	.8	8	.6	3.9	16.6	.07	.16	.04	26	.87	.051	7.8	5.2	.32	78.1	.011	2	.64	.034	.18	1.5	1.1	<.02	.02	<5	< 1	< 02	2 9	15
77852	1 53	563.45	3.20	32.3	287	2.8	9.0	466	2.25	8	4	23.4	1.3	47.3	.07	.07	.07	72	1.42	.154	7.6	4.1	.63	195.7	.093	1	1.04	.039	.16	.6	2.3	<.02	.08	<5	.2	.07	4 5	15
77853	2.97	1162.41	4.15	33 4	1745	4.6	15.2	497	1.81	14.5	.5	66.6	1.6	25.9	.13	.11	65	46	89	.152	7.5	4.9	.40	121.9	.078	1	1.04	.037	.18	1 2	1 6	<.02	03	<5	.5	.28	3.7	15
77854	958 32	4234.72	47.25	932.0	6846	13.3	68.2	597	3.37	188.8	5	163.9	5	168 1	2.74	.28	4.24	62	1.28	.103	4.1	5.4	.68	20.5	.048	1	1.29	.003	.02	3.1	1.9	<.02	.69	219	2.5	3.85	6.5	15
77855	2.08	166.03	5.19	43.0	154	2 5	8 8	428	2.96	1.3	.6	4.3	2.2	24.8	.03	.04	.06	72	.61	.124	9 1	4 0	.62	176.8	.108	1	1.19	.030	.25	1.7	2.0	<.02	01	<5	1	06	5.6	15
77856	5 50	3669.62	13.73	84.9	3604	10.8	26.9	1183	4.10	8.3	.4	24.2	8	131 0	.64	25	1.07	68	1.79	.148	4.7	3.1	1.11	33.1	.072	1	1.86	.025	.02	2.0	2.8	<.02	.19	10	1.1	.44	7.8	15
77857	2614 45	8098.76	11.35	52.3	5814	39.2	70.0	648	5.51	25.0	1 5	48.3	13 4	37.1	.35	16	3.40	50	.38	.070	2.2	25.3	.93	72.6	.045	<1	1.28	.045	.16	1.3	1.5	<.02	2.62	75	5 9	1 41	6.1	15
77861	8.49	2103.74	2.98	69.0	3964	7.7	17 3	292	3.66	6.5	.8	34.8	.6	10.6	.22	.21	.10	22	23	.042	2 5	8.0	.13	192.8	.013	1	.46	.007	.73	10 6	1 2	<.02	06	7	.7	.29	2.4	15
77862	5.61	4025.04	3 35	63.2	2166	5.9	20.4	1255	3.78	8 8	1.3	181.2	4.8	67.9	.13	.33	1.27	75	4.41	.152	18.5	3.7	.92	138.6	.012	4	1.38	.027	.13	.6	6.3	<.02	37	5	3	08	5.5	15
77863	3.18	2759.05	7.70	38.4	2162	2.9	21.0	338	1.79	5.7	2.1	14.4	5.4	163.6	33	78	.14	44	1.40	.168	15.3	6.0	.42	76.9	.128	3	85	.019	.17	2.7	2.2	<.02	.34	<5	.4	06	3.4	15
STANDARD DS2	13.41	126.29	31.02	151.1	264	36.4	11.4	808	3.01	54.6	18.5	201.4	3.4	25.9	10.37	9.90	10.78	74	49	.092	14.3	151.9	.58	155.8	.086	1	1.60	.030	15	7.2	2.8	1.81	.04	229	2.2	1.90	5.5	15

GROUP 1F15 - 15.00 GM SAMPLE, 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 300 ML, ANALYSIS BY ICP/ES & MS.
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- SAMPLE TYPE: ROCK R200 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 31 2000 DATE REPORT MAILED: SIGNED BY..........D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC [illegible] 1R6 PHONE (604) [illegible] FAX (604) [illegible]
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Phelps Dodge Corp. PROJECT 402 File # A003455 Page 1

1409 - 409 Granville St., Vancouver BC V6T 1T2 Submitted by: Stephen Wetherup

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
77548	2.51	197.11	7.89	49.3	116	7.5	10.0	349	3.33	3.7	1.9	2.6	1.1	48.1	.07	.44	.19	138	.35	.217	12.6	11.4	.58	59.7	.060	1	2.14	.008	.08	.7	1.7	.05	.05	74	.9	.02	9.8	15
77549	2.01	432.99	6.38	81.8	112	10.9	23.7	1032	4.69	1.8	3.4	3.1	11.2	30.3	.08	.31	.10	222	1.09	.509	26.1	11.7	.92	135.5	.162	2	1.69	.009	.23	.5	3.9	.06	.04	50	.3	<.02	7.2	15
77550	3.26	326.06	8.42	78.5	119	8.3	17.8	1663	5.13	4.8	2.0	2.7	.6	31.1	.22	.86	.23	159	.49	.211	12.0	7.0	1.13	103.0	.022	2	2.39	.005	.07	.5	2.5	.02	.06	75	.3	<.02	10.5	15
77551	3.53	295.56	6.09	106.3	84	9.9	25.4	1969	6.09	5.5	2.4	1.8	3.6	23.7	.17	.95	.10	147	.98	.305	15.5	6.0	1.00	198.3	.026	3	1.77	.004	.14	.7	10.4	.03	.07	37	.1	<.02	7.1	15
77552	3.85	284.28	7.27	98.5	199	9.8	27.0	2068	5.95	7.9	2.7	4.4	6.3	32.0	.21	2.30	.07	152	1.05	.340	20.4	5.4	1.01	273.3	.025	3	1.59	.003	.11	1.0	12.3	.05	.03	116	<.1	<.02	6.5	15
77553	3.63	395.71	9.11	160.0	216	9.8	29.6	3237	6.95	5.6	3.1	3.9	8.0	30.6	.39	1.60	.20	156	1.10	.309	22.2	6.6	1.14	339.3	.036	3	1.83	.004	.13	.7	11.6	.05	.03	70	<.1	<.02	7.0	15
77554	10.24	451.33	8.54	101.1	395	8.6	27.6	2492	5.72	7.2	2.5	2.3	6.4	29.8	.31	5.05	.25	110	1.05	.234	17.8	3.6	.77	476.2	.014	2	1.27	.003	.16	.6	10.9	.05	.02	130	<.1	<.02	4.5	15
77555	3.58	451.73	11.38	95.7	238	9.5	27.0	2123	6.24	8.9	3.6	3.6	8.1	28.3	.23	6.25	.15	141	.93	.306	23.6	5.4	1.02	290.1	.015	2	1.73	.003	.10	1.0	11.6	.05	.01	236	<.1	<.02	6.7	15
77556	6.09	505.39	8.64	101.7	249	9.2	29.4	2594	6.51	7.1	3.1	2.9	7.8	30.0	.24	4.65	.24	143	.97	.295	20.5	5.2	1.19	352.6	.028	2	1.83	.004	.12	.8	11.7	.04	.03	122	<.1	<.02	7.0	15
77557	3.72	469.62	14.64	100.6	289	8.6	27.5	2136	6.38	10.0	3.3	3.8	8.8	36.9	.37	6.75	.14	129	1.24	.273	20.1	5.0	1.07	327.2	.012	4	1.87	.004	.14	.9	11.4	.06	.02	160	<.1	<.02	7.0	15
77561	3.50	441.98	8.91	89.2	245	8.8	26.7	2026	6.08	7.8	3.4	2.9	8.3	28.6	.17	6.22	.17	143	1.00	.294	22.3	5.3	.93	345.4	.013	1	1.65	.004	.12	1.0	11.1	.05	.02	328	<.1	.02	6.4	15
77562	3.63	404.04	37.51	150.8	324	8.4	35.9	2041	6.04	9.2	3.4	6.2	8.8	24.6	.77	4.69	.24	124	.79	.250	21.7	4.5	1.02	227.8	.005	2	1.91	.002	.10	1.2	9.4	.04	.04	179	<.1	<.02	7.8	15
77563	5.61	338.22	38.13	236.6	171	8.8	40.0	2033	6.43	9.0	2.5	28.4	5.6	23.8	1.48	2.45	.30	146	.70	.261	16.8	5.9	1.16	129.7	.006	2	2.17	.003	.09	1.1	7.4	.03	.06	213	<.1	<.02	8.4	15
77564	3.06	585.76	20.00	123.7	167	9.1	32.5	2319	6.13	6.8	2.5	4.0	6.3	34.1	.72	1.39	.34	153	.82	.263	18.1	6.5	1.35	108.6	.015	1	2.28	.003	.08	.7	9.0	.03	.05	51	<.1	.02	9.2	15
77565	2.88	407.78	29.11	102.4	971	20.6	26.9	2354	5.92	8.6	3.6	4.0	10.8	33.3	.67	2.96	.25	161	.91	.308	26.1	18.7	1.06	239.9	.021	2	1.66	.003	.10	.8	10.7	.06	.03	169	<.1	.02	7.2	15
77567	2.82	365.47	30.32	113.9	3301	8.8	26.7	2558	5.45	14.8	3.8	6.9	7.9	20.2	.93	7.25	.09	99	.75	.244	25.9	3.7	.63	276.5	.020	2	1.40	.003	.11	.5	9.7	.07	.04	121	<.1	<.02	6.0	15
77568	3.11	497.66	9.26	84.4	147	9.0	26.1	2137	5.41	12.6	3.9	2.8	10.4	19.8	.14	1.53	.16	119	.85	.279	26.2	4.9	.71	423.3	.010	1	1.47	.003	.12	.7	9.8	.06	.03	248	<.1	<.02	5.7	15
77569	2.46	349.09	8.92	85.4	168	17.2	26.4	2181	5.31	13.3	4.2	6.1	10.2	24.8	.14	3.20	.13	95	.80	.231	22.6	8.4	.52	458.9	.008	2	1.21	.003	.12	.9	9.7	.05	.01	372	<.1	<.02	4.4	15
77571	2.53	317.25	13.09	94.0	170	14.4	16.3	2539	4.85	6.5	2.8	1.4	5.9	27.3	.20	1.25	.28	113	.31	.236	14.2	17.0	.70	189.4	.022	2	2.43	.004	.08	.5	4.7	.08	.04	45	.1	.02	10.1	15
77572	2.29	207.49	13.32	93.3	127	37.4	21.1	1871	4.87	6.0	3.5	.8	9.5	24.6	.18	.66	.23	107	.30	.212	20.4	65.2	.97	302.6	.050	2	2.40	.005	.16	.5	5.5	.15	.05	33	<.1	<.02	8.4	15
77573	1.78	57.94	8.15	76.8	58	9.4	8.2	801	3.09	3.7	1.3	4.6	1.6	15.6	.07	.67	.16	87	.18	.110	8.6	17.2	.33	224.0	.018	1	1.33	.003	.06	.4	1.6	.05	.03	41	<.1	<.02	7.5	15
77574	3.21	74.63	8.53	69.4	99	9.4	8.8	585	3.81	4.5	1.7	4.0	2.6	9.0	.05	.64	.14	99	.09	.106	9.0	14.0	.40	244.8	.027	1	1.58	.004	.09	.4	2.6	.06	.03	42	<.1	<.02	8.2	15
77575	2.77	89.45	7.81	76.5	205	12.6	10.4	1314	3.57	5.1	2.7	4.2	3.0	11.2	.16	.56	.12	83	.16	.181	10.8	16.5	.45	154.0	.012	1	2.13	.004	.08	.3	2.5	.06	.05	39	.1	<.02	6.5	15
RE 77575	2.97	89.43	7.85	76.8	197	12.0	11.2	1336	3.58	5.2	2.2	2.9	3.1	12.0	.16	.56	.12	84	.16	.193	11.0	16.5	.45	154.1	.015	1	2.15	.004	.08	.3	2.5	.06	.05	40	.2	.02	6.7	15
77576	1.53	101.59	7.75	77.5	69	13.3	11.1	1418	3.59	5.3	1.5	4.3	2.1	16.2	.10	.66	.21	86	.16	.139	10.8	19.4	.48	203.4	.014	1	2.01	.003	.07	.3	2.4	.08	.02	35	.1	.02	7.3	15
77577	2.19	199.17	9.54	64.7	192	18.0	12.5	1125	3.39	6.7	2.0	1.6	2.7	17.4	.30	.82	.25	73	.26	.147	13.6	20.9	.65	115.8	.021	1	1.86	.003	.06	.6	2.4	.06	.03	50	.3	.02	5.6	15
77578	2.73	79.62	6.58	59.8	218	13.4	8.7	460	3.32	8.0	1.5	.3	.7	10.7	.07	2.24	.14	75	.08	.156	7.3	20.1	.31	100.6	.006	1	1.45	.003	.08	.4	1.0	.06	.03	39	.1	.03	5.8	15
77579	4.02	128.93	12.05	95.4	65	11.7	13.6	1631	4.17	7.3	2.0	.9	8.5	17.1	.21	.77	.18	110	.21	.218	12.8	13.7	.52	156.3	.032	2	2.38	.004	.12	1.0	3.7	.07	<.01	27	.2	.03	10.0	15
77580	3.28	88.04	8.11	89.0	239	5.5	8.1	902	4.03	4.0	1.5	.8	1.3	11.8	.13	.81	.23	93	.09	.146	6.7	7.1	.25	126.9	.012	1	1.55	.003	.09	.5	1.7	.06	<.01	34	.1	<.02	9.1	15
77758	2.41	261.66	12.36	97.0	99	10.9	25.4	1976	5.19	5.4	3.8	1.3	5.7	29.4	.31	.65	.08	142	.78	.323	22.6	7.8	1.19	188.2	.065	2	2.16	.007	.14	.6	7.7	.04	.04	47	.2	.02	7.8	15
77759	3.53	285.22	13.60	103.1	122	13.6	23.3	1841	5.36	6.3	4.1	3.5	5.4	27.7	.22	.52	.16	149	.48	.260	17.2	12.1	1.21	139.7	.044	2	2.54	.005	.09	.8	6.6	.05	.01	39	.3	.03	9.6	15
77760	2.05	191.44	7.85	70.0	95	10.5	17.3	949	4.25	4.0	2.6	1.1	.6	22.3	.22	.42	.08	139	.43	.223	14.4	10.3	.78	135.5	.017	2	2.06	.006	.06	.4	2.2	.03	.06	47	.2	.02	7.0	15
77761	1.60	148.60	36.57	125.3	130	10.2	18.4	1234	4.29	3.8	2.6	2.5	6.8	32.0	.80	.63	.07	121	.72	.267	20.8	9.6	.83	551.1	.031	2	1.55	.004	.09	.4	5.6	.03	.02	20	<.1	<.02	5.4	15
STANDARD DS2	13.71	126.97	31.06	156.7	252	34.7	10.8	776	2.93	52.2	18.7	202.0	3.6	27.6	10.33	9.76	10.50	75	.51	.087	15.1	157.1	.57	156.1	.091	2	1.65	.027	.16	7.1	2.9	1.71	.04	227	2.1	1.83	5.8	15

GROUP 1F15 - 15.00 GM SAMPLE, 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 300 ML, ANALYSIS BY ICP/ES & MS.
UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 8 2000 **DATE REPORT MAILED:** Sept 20/00 **SIGNED BY** [signature] ..D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

 Data___ FA ____

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm
77762	4.36	674.86	21.90	97.7	419	10.3	19.0	1188	4.32	4 8	15.9	16.9	10.5	40.5
77763	7.12	602.41	21.49	154 4	1750	9.5	34.0	2239	5.36	17.4	6.1	17.9	7.6	28.4
77764	5.21	312.20	13.13	138.6	393	8.7	30.7	2513	5.37	11.4	5.7	4 2	6.6	38.0
77765	5.09	279.53	18.14	83.5	368	4.7	23.4	1955	4.85	9.2	4.7	4.2	9.1	55.2
77766	5.07	288.93	22.69	90.1	215	5.4	21.1	2055	4.72	6.2	8 2	5.6	11.3	28.5
77767	5.15	397.55	22.99	100.1	122	10.7	24.7	1992	5.06	8.7	6.5	13 0	5 2	41.0
77768	3.76	176.99	17.91	89.4	112	7.8	17.1	1516	4.52	4.9	5.1	3 4	3.0	43.3
77769	7.17	307.32	21.27	147.7	968	8 8	25.1	2165	5.72	4.6	3 2	14.8	6.4	43.1
77770	2.68	231.83	10.60	84.6	278	8.4	27.4	2737	5 78	4.4	3.2	3.8	7.7	18.0
77771	2.85	298.98	11.76	106.0	352	8.7	28.3	2637	5.64	4.3	2.9	11.0	7.3	22.4
77772	1.84	308.52	17.02	96.3	134	17.6	29.5	3221	5.62	5.1	3.6	3.8	8.5	24.9
77773	2.74	176.15	14.89	59.7	117	5.3	21.3	1692	4.44	6.5	4.6	3.2	8.6	28.5
77774	5.72	3190.53	31.89	65.8	1494	8.1	24.3	2185	5 38	11.7	5.5	34.0	13.8	21.0
77775	6.28	279.63	18.78	97.7	775	5.8	22.3	2583	5.22	13.1	8.8	4.9	9.3	17.0
77776	5.27	4448.63	21.74	84.1	2821	8.1	38.6	2562	5.18	203.3	6.7	99.9	9.3	21.1
77777	3.32	183.20	11.76	57.9	330	4.9	18.4	1983	3.74	6.5	3.4	2 6	9.0	17.3
77778	2.84	843.48	13.56	69.1	324	36.9	24.6	1310	6.10	8.0	7.8	3.8	17.3	36.6
RE 77778	2.87	844.06	14.15	68.8	287	36.3	26.1	1302	6.10	8.1	7.7	3.9	16.8	35.1
77779	4.37	412.92	13 65	82.3	369	35.6	32.3	2370	5.58	9.1	10.1	7.4	23.8	34.7
77780	1.23	286.05	9 49	53.1	85	37.6	38 4	1645	4.94	7.6	2 4	15.3	4.0	55.5
77781	1.62	203.88	9.16	57.0	180	39.2	32.5	1738	4.50	10 3	3.4	13.3	6.7	39.4
77782	3.36	222.59	7 29	63.9	164	21.7	23.9	1723	4.54	9.4	3.5	8.2	9.0	24.1
77783	.55	98.69	4.94	45.7	81	31.5	19.1	812	4.37	9.0	.9	8.9	1.0	24.9
77784	1.04	266 45	6 20	47.1	78	58.3	23 4	457	4.00	9.1	1.9	17.3	2.8	25.1
77785	.45	244.12	6.46	85.6	112	57.1	30.8	1491	5 49	8.2	.8	5.8	1 4	40 5
77786	.40	118.06	6.77	64 9	76	74.5	24.8	944	3.21	4.8	.4	1.8	.1	36 2
STANDARD DS2	13.61	122.88	30.85	152.4	246	34.3	12.8	802	3.00	56.3	18.3	206.0	3.5	26.0

SAMPLE#	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	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
77762	.23	.78	.28	79	62	.156	32.1	7.6	.88	317.6	.028	3	1.61	.009	16	.8	5.6	.04	.02	55	.2	.06	6.6	15
77763	.79	3.13	.48	116	.74	.247	23.8	5.3	.94	305.8	.024	2	1.35	.004	.12	.8	7.2	03	.04	82	.3	.03	5.7	15
77764	.33	1.35	.43	105	.80	.232	26.7	4.4	.81	321.2	.018	3	1.73	.004	.11	.7	7.6	.03	<.01	62	.3	.02	5.1	15
77765	.21	1.10	.24	72	.92	.176	27 6	3.1	.70	406.0	.007	3	1.36	.004	.16	.6	5.9	.03	.05	51	.2	.02	5.0	15
77766	.22	.77	.17	67	.60	.159	29.2	3.6	.61	425.0	008	4	1.41	.005	18	.5	6.3	.03	< 01	38	<.1	<.02	5.5	15
77767	.21	.53	.22	130	.50	.183	20.0	9.6	1.18	105.7	.044	2	2.49	.005	.11	.6	6.1	.05	.04	52	.3	.03	9.7	15
77768	.23	.44	.17	136	.63	.188	14.3	8.8	.96	194.3	.024	3	2.22	.006	.10	6	4.3	.05	.07	54	.3	.02	9.1	15
77769	.60	.76	.28	142	.90	257	22.9	7.2	1.17	243.8	.037	2	1.71	.005	.12	.5	7.6	.03	<.01	48	<.1	.03	7.1	15
77770	.49	1.00	.12	97	.57	.213	22.8	4.1	.66	482.4	.011	2	1.20	.003	.17	.4	7.3	.05	.01	31	.1	.02	4.0	15
77771	.29	.95	.22	126	.78	.263	22.9	4.4	.98	401.5	.027	2	1.70	.004	.15	.8	9 3	.03	<.01	62	<.1	<.02	6.3	15
77772	.24	1.15	.11	109	.67	.247	25.1	13.3	1.11	397.4	.022	2	1.82	.003	.15	.7	10.0	.06	.04	72	<.1	<.02	6.9	15
77773	.14	1.42	.25	58	.54	.125	23.6	3.1	58	263.5	.008	2	1.10	003	.14	.8	4.1	.03	.05	42	<.1	.02	4.5	15
77774	.58	1.85	.60	45	.39	.103	29.8	2.0	.45	307.8	.003	1	1.00	.003	.14	.9	4.4	.04	.07	100	.5	.10	4.1	15
77775	.32	3.00	.28	55	.39	.157	27 3	3.1	.28	477.2	.006	2	1.02	.002	.14	.4	7.7	.10	.04	50	.1	<.02	3.8	15
77776	.35	11.47	.97	42	39	.139	38.6	2.7	.23	443 7	.004	2	.87	.002	.15	.8	5.6	.09	.05	193	.7	.13	3.1	15
77777	.26	1.11	.16	30	.48	.096	22.3	2.0	.21	475.1	002	2	.72	.002	.14	.6	3.9	.05	.02	56	<.1	.02	2.1	15
77778	.12	1.56	.35	101	.83	.238	44.0	50.4	1.42	164.7	043	1	1.92	.003	.07	.9	10.3	.07	.03	71	<.1	.03	8.8	15
RE 77778	.10	1.47	.36	101	.83	.226	43.0	49.9	1.43	163.9	.042	2	1.92	.003	.07	.9	10.6	.07	.04	108	.1	.02	8.7	15
77779	.22	2.43	.28	101	.77	.203	32.6	38.6	1.26	361.7	.065	3	1.63	.005	.15	.8	11.7	.10	.03	109	<.1	< 02	7.1	15
77780	.22	40	.06	168	1.10	.122	11.6	65.5	1.88	238.8	.068	3	2.64	.007	.10	.7	11.4	.03	.04	20	.3	.03	9.0	15
77781	.31	.82	.12	115	.83	.164	15.1	57.2	1.31	298.8	033	3	1.95	.007	.13	.3	10 3	.05	.01	45	.3	.02	6.0	15
77782	.14	1.11	.14	84	.74	.178	17.6	38.5	.78	321.4	.014	2	1 54	.004	.14	.5	8.4	.04	.03	66	.1	<.02	4 6	15
77783	.09	1.22	.07	140	39	.162	5.4	70.1	1 04	118.9	.020	2	2.68	006	.04	.4	5.4	.05	.07	97	.3	<.02	7.6	15
77784	.16	.52	.09	129	.57	.105	7 2	134.6	1.11	97.5	.074	3	1.63	.008	.07	.5	10.4	.04	.02	36	.2	03	5.6	15
77785	.23	.50	.32	158	.70	.117	5.1	129 3	1.65	153.3	.064	2	1.97	.004	.08	.3	14.9	.05	03	41	.2	.05	7.1	15
77786	.10	.26	.20	138	.27	.093	1.9	163.4	1 44	44.5	.123	2	1.78	006	.06	<.2	2.2	.05	08	68	.4	.07	8.8	15
STANDARD DS2	10.22	9 64	10.37	73	.50	.087	16.2	159.0	.58	152.6	.093	2	1.61	.025	.17	7.2	2.9	1.73	.02	237	2.3	1.79	5.8	15

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE (604) 253-3158 FAX (604) 253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Phelps Dodge Corp. PROJECT 402 File # A004016

1409 - 409 Granville St., Vancouver BC V6T 1T2 Submitted by: Larry Poznikoff

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Sample
	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	gm
77887	37 34	102.23	6 34	28.5	350	3.3	18.5	6401	7.16	4.3	9.2	13.8	.1	61.2	.57	.35	10	292	1.44	.281	5.2	13.5	.21	184.7	.009	3	.94	.010	.29	1.8	1.5	.07	.42	242	14.9	.05	3.4	15
77888	2 97	136.46	4.90	58.1	67	12.8	18.3	937	4.63	3.9	5.2	5.2	2.0	75.5	.12	.20	.12	153	1.05	.249	15.0	23.6	1.07	130.7	.068	1	2.08	.012	.16	.3	3.9	.03	.07	19	1.6	.03	7.4	15
77889	9.16	133.96	9.43	65.1	83	5.6	17.3	1338	3.75	3.2	7.3	6.5	3.1	32.2	.15	.30	.05	64	.63	.156	12.4	5.0	.26	137.4	.003	<1	.84	.004	.14	.7	5.1	.02	.04	21	.6	02	2.7	15
77890	2.23	111.09	3.06	43.5	74	49.9	15.9	577	3.52	3.2	1.0	7.8	1.6	29.6	.10	.19	1.57	113	.71	.159	6.9	78.3	1.11	61.3	.070	1	1.18	.015	.09	.6	2 7	.02	02	18	.4	02	4.1	15
77895	11.97	322.82	5.24	81.4	142	8.1	21.4	669	4.75	.9	2.5	5.5	1.1	105.5	.14	.10	.10	151	.94	.276	12.0	7.7	1 22	396.2	.095	1	2 69	.016	.09	.4	4.4	.04	05	51	1.4	.05	9.4	15
77896	28.00	152.88	8.29	50.1	369	5.0	8.7	1267	2.16	12.5	26.3	12.7	.6	72.7	.32	.18	.12	81	.73	.196	18.6	9.4	.44	353.0	.014	1	2 09	.006	.06	1.9	1.2	.06	.13	70	1.9	.02	9.4	15
77897	6.09	77.62	3.84	39.4	330	2.8	3.5	287	67	1.0	14.2	1.3	.7	53.1	.39	.11	.08	34	.59	.194	20.3	4.8	17	455.0	.010	2	2 00	.005	.03	<.2	1.4	.03	.16	127	.9	<.02	2.8	15
77898	8.70	127 65	4 48	41.7	222	4.7	7.4	476	2.13	2.6	5.9	8.4	.4	76.6	.12	.11	.05	80	.75	.196	12.4	6.2	.50	262.2	.032	<1	1.51	.009	.04	.6	1.5	.02	.04	50	1.2	.02	5.0	15
77899	.43	182.96	12.96	193.9	187	36.5	30.8	1738	5.08	12.9	2.8	7.9	.8	264.6	.50	.40	.16	183	4.15	.062	3.2	79.3	2.18	75.3	.182	2	5.78	.006	.10	.3	12.3	<.02	.04	27	.7	.07	13.9	15
79547	2.12	205.31	4.54	51.1	154	124.4	24.2	749	2.80	15.2	.5	5.3	.2	33.3	.16	.20	.12	90	.57	.069	1.6	139.0	2.11	73.8	.095	<1	2.10	.011	.13	.8	3.2	.07	.02	25	.6	.04	5.3	15
RE 79547	2.02	198.23	4.37	48.6	151	120.5	23.7	731	2.74	14.7	.5	7.3	.2	32.2	.14	.19	.16	88	.55	.065	1.6	137.5	1.96	71.9	.092	1	2.01	.010	.13	.9	3.2	.06	.02	25	.6	.02	5.2	15
79549	20.24	289.79	4.59	61.1	1841	7.8	14.7	1436	3.01	27.7	35.3	8.7	1.9	50.7	.28	.16	.14	109	.94	.320	31.9	16.7	.72	267.7	.063	1	3.68	.010	.12	1.4	3.5	.06	.27	165	2.8	.02	10.3	15
79550	9.84	169.67	9.56	70.1	173	5.9	11.0	1250	3.19	6.6	6.2	4.5	1.4	86.6	.27	18	07	129	.77	.179	12.7	10.1	.61	368.8	.067	1	1.57	.010	.06	.6	2.7	.04	.03	42	1.6	.02	5.7	15
79551	5.94	90.63	4.25	53.9	50	5.6	10.4	678	2.80	1.6	1.5	9.5	1.6	79.5	.07	.09	.04	94	.78	.208	8.9	8.2	.78	158.2	.077	<1	1.33	.014	.06	.3	2.4	.02	.02	16	.3	.02	5.0	15
79552	.93	232.95	13.15	207.5	272	44 6	31.6	1304	4.56	18.1	.5	49.3	.4	207.7	.56	40	.24	162	2.77	.071	2.5	108.0	2.00	49.3	.157	3	4.59	.007	.13	.6	7.0	.03	.03	42	.7	.09	11.1	15
79553	2.26	177.85	7.55	77.8	172	51.0	24.6	966	5.23	13.3	2.4	3.0	.8	48.8	.15	.48	.16	221	.92	087	4 1	156.6	1.44	52 8	.123	3	2.24	.009	.07	.3	5.7	.04	.04	76	1.0	.04	7.8	15
79554	3.10	174.74	12.06	77.1	117	49 6	23.1	1261	4.28	12.8	22.9	4.2	1.5	33.9	.27	.41	.12	168	.96	.106	4.6	139.2	1.53	104.2	.169	2	1.72	.007	.07	.6	3.6	.03	.01	46	1.1	.05	6.2	15
STANDARD DS2	13.68	128.14	33.07	157.2	242	32.8	12.1	835	3.13	60.9	19.1	187.3	3.4	28.4	10.33	9.64	11.13	76	.54	.090	16.4	163.6	.61	171.9	098	2	1 75	.025	16	6 8	3.3	1 78	03	223	2.3	1.82	6 2	15

GROUP 1F15 - 15.00 GM SAMPLE, 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 300 ML, ANALYSIS BY ICP/ES & MS.
UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: SILT S150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 10 2000 **DATE REPORT MAILED:** Oct 23/00 **SIGNED BY** .... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

 Data ___ FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS [illegible] V[illegible]UVE[illegible] 1R6 PH [illegible]604[illegible] [illegible]-3[illegible] FAX[illegible] [illegible]25[illegible] [illegible]16[illegible]
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Phelps Dodge Corp. PROJECT 402 File # A004017

Denali

1409 - 409 Granville St., Vancouver BC V6T 1T2 Submitted by: Larry Poznikoff

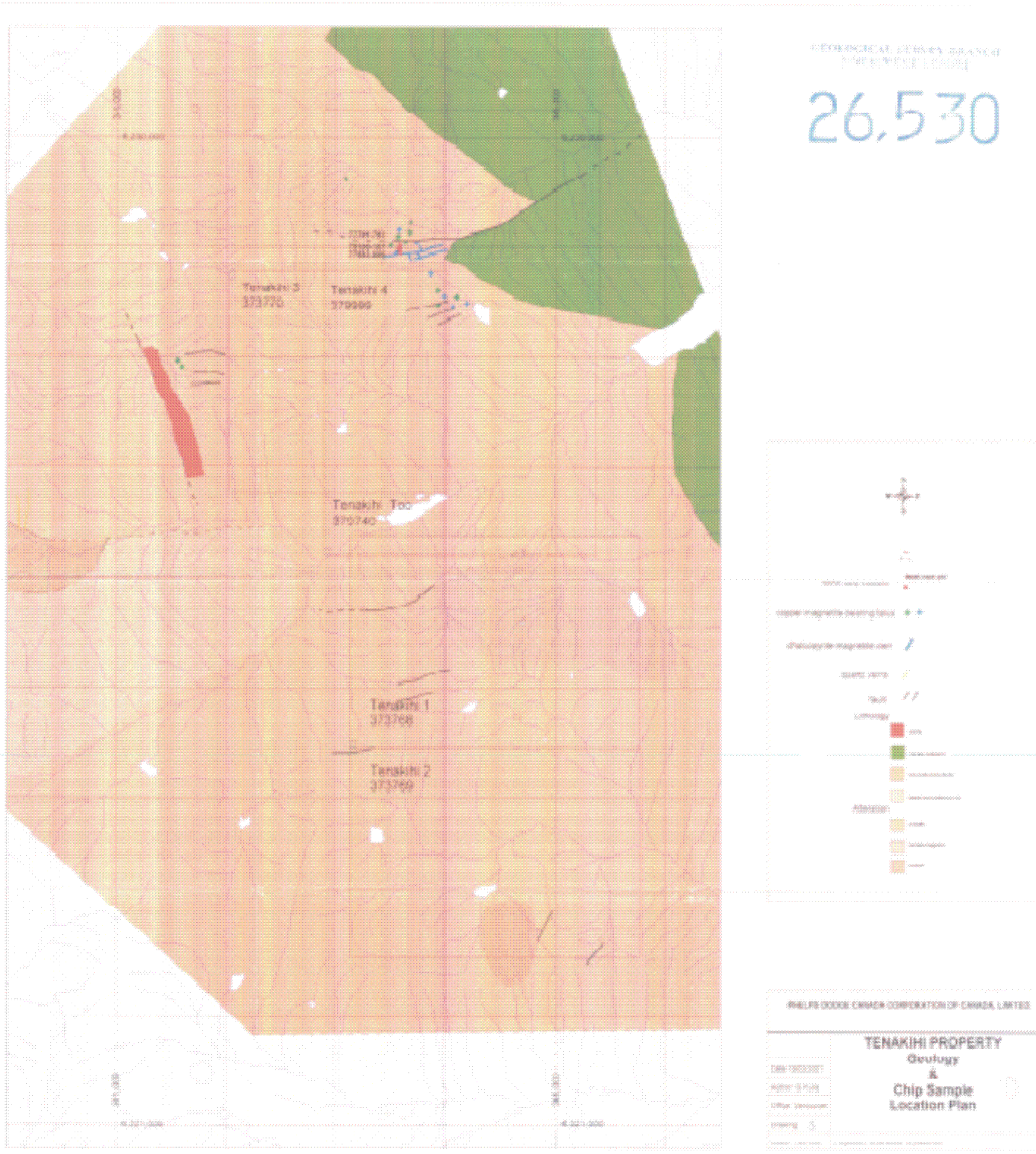
SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm
77891	1.06	114.03	5.55	54.4	139	35.9	14.5	364	3.29	1.6	.9	6.7	2.5	48.8	.12	15	08	161
77892	.59	264.54	6.82	48 1	228	21 6	13.2	335	2.84	1.0	.6	9.9	1.5	64 3	.07	.14	.11	126
77893	.35	404 98	3 54	54.2	276	28.8	17.3	459	3.79	1.1	.4	8 3	.7	86.7	.11	.10	.13	172
77894	1.11	3516 58	4.36	43.0	1078	12.0	16.0	408	3.76	1.4	6	119.0	2.4	52.0	.20	.10	.11	84
78500	154.54	103.00	3.49	54.0	115	7.2	23.0	774	6.25	1.2	.2	9.2	.7	37.6	.11	.08	.44	100
79253	2.47	1975.35	74.27	87.3	8643	58 3	155.6	769	11.22	346.8	.1	103.2	.1	115 5	.46	66.53	2.19	67
79548	1.34	501.21	1.51	56.9	246	26.0	20.3	754	3.63	1.3	.2	4 3	1 8	48.1	.10	.33	.04	102
79555	2128.09	5341.29	9.99	51.9	2854	13.1	21.6	508	4.04	2 7	.6	122.7	4.8	94.4	.12	.35	.73	74
RE 79555	2154.22	5442.94	10.60	54.8	3074	13.9	22.9	517	4 11	2.9	.7	177.3	5.3	94.0	.07	.38	77	75
STANDARD DS2	13.37	132.64	31.65	161.7	263	36.1	12.2	854	3.19	54.3	18.0	200.0	3.4	26.9	10.13	9.24	10.63	77

SAMPLE#	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
77891	1.15	.206	9.2	97.8	1.16	41.2	086	2	1.25	.026	.12	1.0	1.4	<.02	<.01	7	.4	.05	5.1	15
77892	1.42	.218	8.1	55.4	93	68.5	.126	1	1.24	.038	.13	.7	2.5	<.02	<.01	<5	.4	.05	4.6	15
77893	1.51	302	9 8	63.3	1.25	85.3	.124	1	1.41	.044	.11	.5	3.5	<.02	<.01	<5	.4	.03	5.1	15
77894	.95	196	7.9	8.0	1.07	127.4	.173	1	1.47	031	.74	1.5	2.7	.10	.33	8	2.1	.19	5.0	15
78500	1.56	.071	2.2	13.2	1.02	71.7	.061	1	1.10	.018	.19	25.2	3.3	.03	3.02	27	1.5	.43	5.5	15
79253	6.28	.025	1.4	168.9	1.25	9.3	.001	2	.89	.002	.04	3.2	18.9	.62	8.92	61	2.8	1.06	3.1	15
79548	1.35	.083	4 7	96 9	2.06	237.7	.174	1	2.17	.025	.51	1.4	3.5	.08	<.01	<5	.5	.06	7.3	15
79555	.83	.133	17.3	13.6	1.18	39.4	.158	1	1.44	.025	.07	3.9	2.8	.06	.99	64	4.0	.35	6 1	15
RE 79555	.84	.140	18.7	13.0	1.20	43.4	158	1	1.48	.024	.07	4.0	3.4	.06	.95	59	4.2	.41	6.3	15
STANDARD DS2	.54	.102	15.3	157.4	.62	157.3	.101	2	1.78	.029	.17	6.9	3 0	1.79	.04	229	2.2	1.83	6.1	15

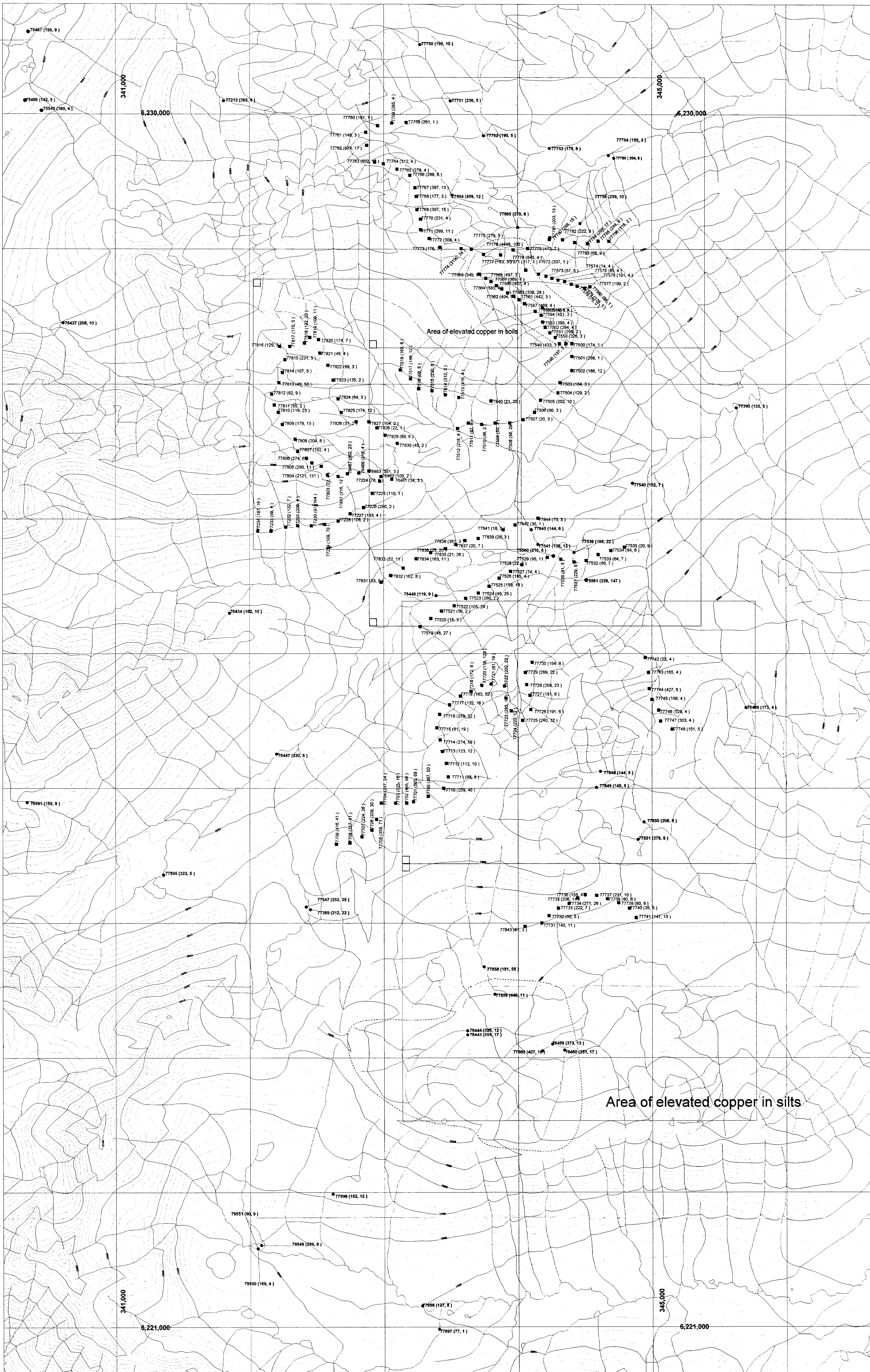
GROUP 1F15 - 15.00 GM SAMPLE, 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 300 ML, ANALYSIS BY ICP/ES & MS.
UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 10 2000 **DATE REPORT MAILED:** Oct 24/00 **SIGNED BY**.......D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ FA ___



GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
26,530
Tenakihi 3
373770
Tenakihi 4
379999
Tenakihi Too
370740
Tenakihi 1
373768
Tenakihi 2
373769
copper-magnetite bearing talus
chalcopyrite-magnetite vein
quartz veins
fault
Lithology
Alteration
PHELPS DODGE CANADA CORPORATION OF CANADA, LIMITED
TENAKIHI PROPERTY
Geology
&
Chip Sample
Location Plan



N
W
E
S

Claim Name
Tenure Number
Claim Boundary
LCP

1999 silt sample ○ Sample (copper, gold)

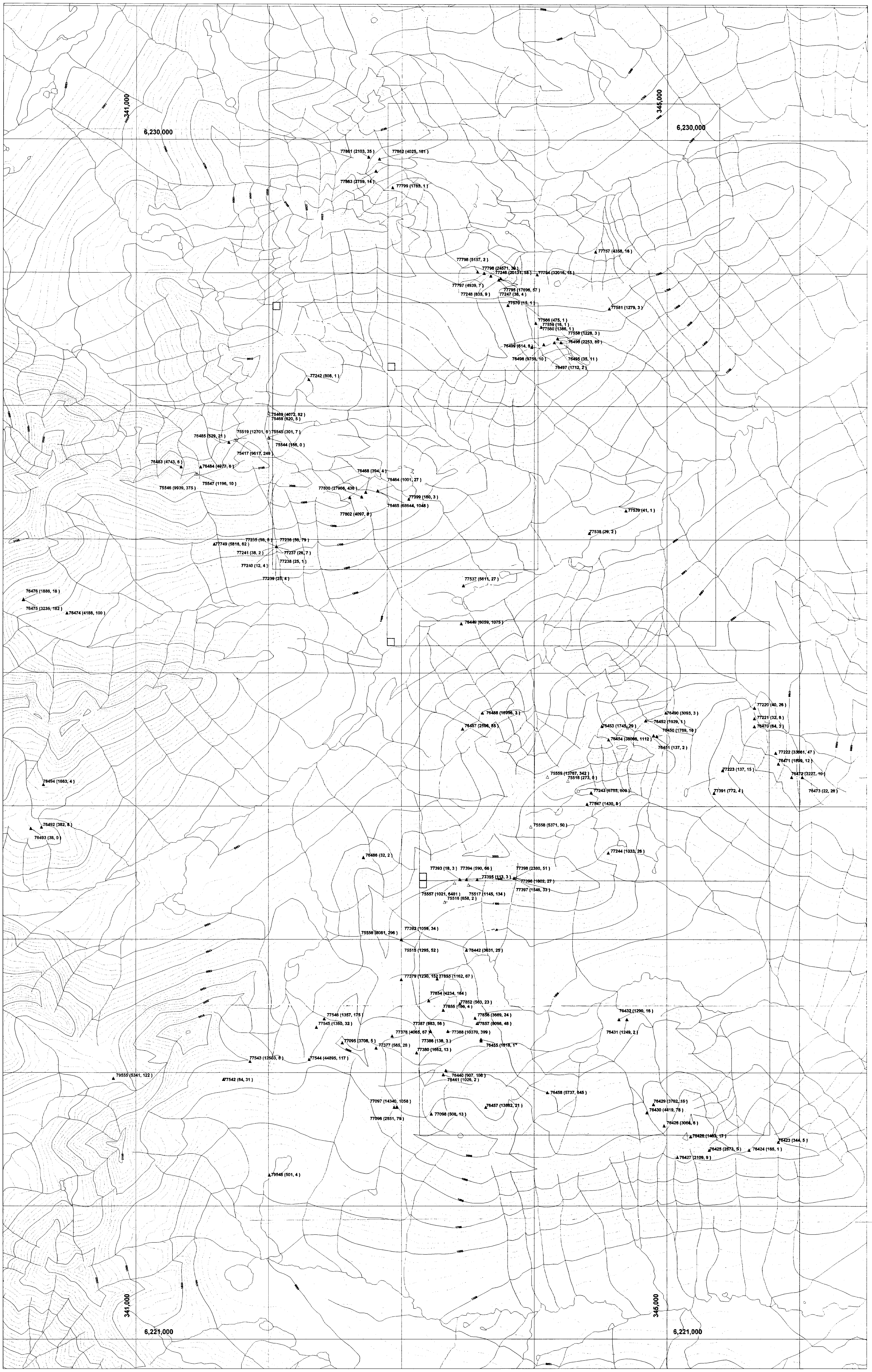
2000 silt sample ● Sample (copper, gold)

1999 silt sample □ Sample (copper, gold)

2000 silt sample ■ Sample (copper, gold)

PHELPS DODGE CANADA CORPORATION OF CANADA, LIMITED.

Date: 13/02/2001	**TENAKIHI PROPERTY** **Silt & Soil Sample** **Location Plan** **&** **Copper and Gold** **Geochemistry** (2)
Author: G Kulla	
Office: Vancouver	
Drawing: 4	
Scale: 1:10,000	Projection: UTM Zone 10 (NAD 83)



GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

26,530

N
W E
S

Claim Name
Tenure Number
LCP
Claim Boundary

1999 grab sample △ Sample (copper, gold)

2000 grab sample ▲ Sample (copper, gold)

PHELPS DODGE CANADA CORPORATION OF CANADA, LIMITED.

Date: 13/02/2001	**TENAKIHI PROPERTY**
Author: G Kulla	**Rock Sample Location Plan**
Office: Vancouver	**&**
Drawing: 5	**Copper and Gold Geochemistry** (3)
Scale: 1:10,000	Projection: UTM Zone 10 (NAD 83)