

FOX GEOLOGICAL CONSULTANTS LTD.

LOG NO: JAN 7 1994 RD.
SECTION:
FILE NO:

GEOCHEMICAL REPORT

ON THE

MAC CLAIMS

**Cariboo Mining Division
NTS 93B13W, 93C16E
123°55'W Longitude 52°58'W Latitude**

**Annual Work Approval Number
PRG-1993-1101250-4-5549**

by

**Geoffrey N. Goodall, B.Sc., P. Geo.
Fox Geological Consultants Ltd.
1409 - 409 Granville Street
Vancouver, B.C. V6C 1T8**

for

**Phelps Dodge Corporation of Canada, Limited
Suite 912 - 120 Adelaide Street West
Toronto, Ontario M5H 1T1**

December 22, 1993

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

23,195

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SUMMARY

An exploration program was conducted on the Mac claims in 1993 to assess source rocks for anomalous stream sediments collected in this area in 1992. A total of 155 soil samples were collected from 7.5 kilometres of flagged grid. In addition, seventeen rock samples were collected from bedrock materials throughout the claim area. Weakly anomalous soil samples were obtained along one grid line but no significant anomaly was detected. Three samples of bedrock returned 17 ppb gold. Small zones of silicic and argillic-altered rhyolite tuffs and breccias were noted on the east and north areas of the claims otherwise bedrock materials, where exposed, are barren and unaltered.

No further work is recommended for the property. The claims should be allowed to lapse.

INTRODUCTION

This report summarizes the results of geological and geochemical work conducted on the Mac claims situated in central British Columbia. Eleven man days were spent collecting 155 soil and 17 rock samples and conducting preliminary geological investigations. The Mac claims were staked in October, 1992 to cover drainages which contained several anomalous silt samples. Work done this year is compiled herein and recommendations made to discontinue work.

LOCATION AND ACCESS

The Mac claims are located on the Interior Plateau of central British Columbia, approximately 25 kilometres from the locality of Nazko and 100 kilometres from the town of Quesnel, B.C. (Figure 1). The claims are located on NTS mapsheets 93B/13W and 93C/16E at 123° 55' west longitude and 52° 58' north latitude. Access to the property is by paved highway from Quesnel to Nazko, then by a series of all-weather gravel roads which lead to the central area of the property. The claims are in an area of active logging with spruce and pine timber the predominant species. Topography is gentle with elevations ranging from 1,200 metres to 1,500 metres. Location and access to the Mac claims are shown in Figure 2.

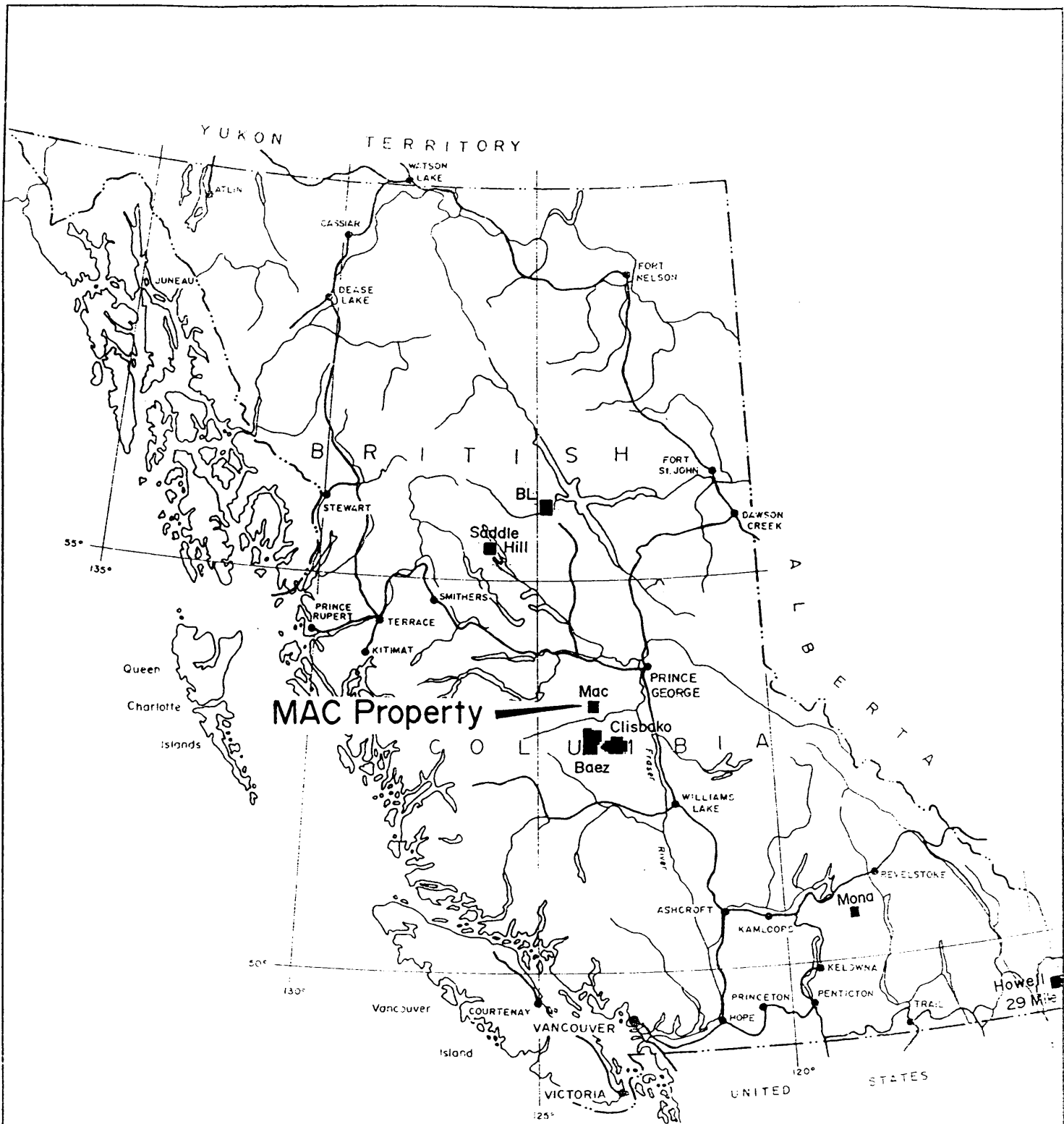
CLAIM INFORMATION

The Mac 1 to 4 claims were staked in October, 1992 to cover drainages which returned anomalous concentrations of indicator elements. Claim data are presented below. A claim map is provided in Figure 3.

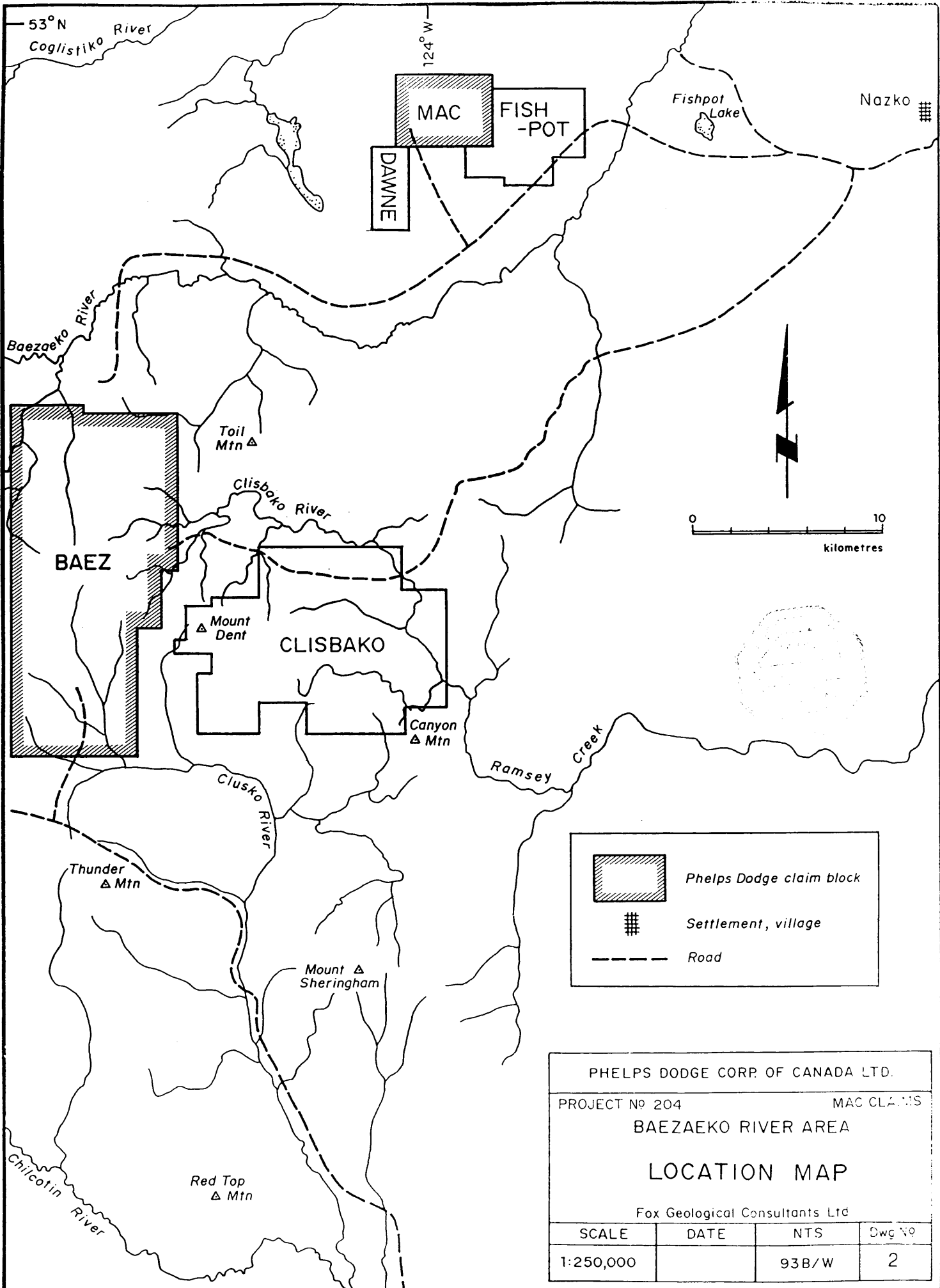
Claim Name	No. of Units	Record Numbers	Expiry Date
Mac 1	20	314038	October 10, 1994
Mac 2	20	314039	October 10, 1994
Mac 3	20	314040	October 5, 1994
Mac 4	20	314041	October 5, 1994

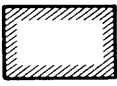


REGIONAL GEOLOGY

The Mac claims are centrally located in the Interior Plateau of British Columbia. The plateau covers some 120,000 square kilometres of area between the Coast Mountains to the west and the Quesnel Highlands to the east.



PHELPS DODGE CORP. OF CANADA LTD.			
PROJECT No 204		CARIBOO M.D.	
MAC CLAIMS PROPERTY LOCATION PLAN			
PHILIP G. LOGAN CONSULTANTS LTD.			
DATE		NTS	SCALE
Dec. 1993			i



	Phelps Dodge claim block
	Settlement, village
	Road

PHELPS DODGE CORP. OF CANADA LTD.			
PROJECT NO 204		MAC CLAIMS	
BAEZAECO RIVER AREA			
LOCATION MAP			
Fox Geological Consultants Ltd			
SCALE	DATE	NTS	Dwg No
1:250,000		93B/W	2

MAC 1

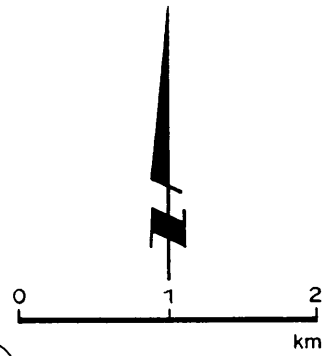
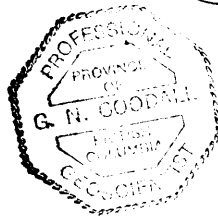
MAC 2

MAC 3

MAC 4

FISHPOT
(EIGHTY-EIGHT
RESOURCES)

DAWNE
(CANADIAN
NICKEL)



PHELPS DODGE CANADA LIMITED			
PROJECT N ^o 204		CARIBOO M.D.	
MAC PROPERTY			
CLAIM MAP			
SCALE	DATE	NTS	DWG N ^o
1:50,000	Nov. 30/93	93B/13 93C/16	3

Baezoko River

The project area lies within the Intermontane Belt which is locally comprised of Stikinia, Cache Creek and Quesnellia Terranes. These terranes are composed of late Paleozoic to mid-Mesozoic marine volcanic and sedimentary rocks and mid-Mesozoic to late Tertiary marine and non-marine sedimentary and volcanic rocks. Two large scale transcurrent faults bound the plateau to the northeast and southwest. A third fault has been inferred from oil exploration data to bisect the plateau. The Anahim Volcanic Belt crosses the Chilcotin Plateau in an east-west direction and is comprised of a series of alkaline and peralkaline volcanoes of Miocene to Quaternary age which young from west to east.

Extensive faulting of the Eocene volcanics has resulted in an array of variably tilted blocks. The entire region appears to be a large dissected caldera complex, part of an extensive assemblage of Tertiary volcanic centres and flow-dome complexes encompassing much of the surrounding plateau region. Broad aprons of felsic tuffs and flows had spread out from a variety of vents within that region. Epithermal gold deposits are known at Clisbako just to the south and farther north on the Wolfe claims. Figure 4 is a map of the regional geology of the Mac claim area.

PROPERTY GEOLOGY

The Mac claims cover the contact between Lower Jurassic Hazelton Group volcanic rocks and Upper Cretaceous Ootsa Lake Group felsic tuffs and flows. Centrally located on the claims is a small quartz monzonite porphyry intrusion. Andesite to basalt flows and pyroclastic rocks of the Hazelton Group lie near the north and east boundary of the claims. These rocks locally exhibit weak to moderate propylitic alteration. Overlying this unit are dacitic to rhyolitic flows and tuffs of the Ootsa Lake Group. These rocks show moderate to locally intense argillic alteration. Trace to 5% pyrite was noted throughout the felsic rocks which locally produce small gossans on weathered exposures.

1993 WORK PROGRAM

Between August 17 and 24, 1993, 11 man days were spent on the Mac claims collecting soil samples, rock samples and conducting preliminary geological investigations. A reconnaissance style grid was established parallel to an anomalous drainage using chain and compass methods. Stations were established at 50-metre intervals along lines spaced 500 metres apart. A total of 155 soil samples were collected from the B horizon, where possible, along 7.5 kilometres of the grid. Seventeen rock samples were collected from throughout the claims. Analyses and field notes are given in Appendix I and ICP analyses in Appendix II. Results are plotted in Figures 5, 6 and 7.

PHELPS DODGE CORP. OF CANADA LTD.

PROJECT NO 204

MAC CLAIMS

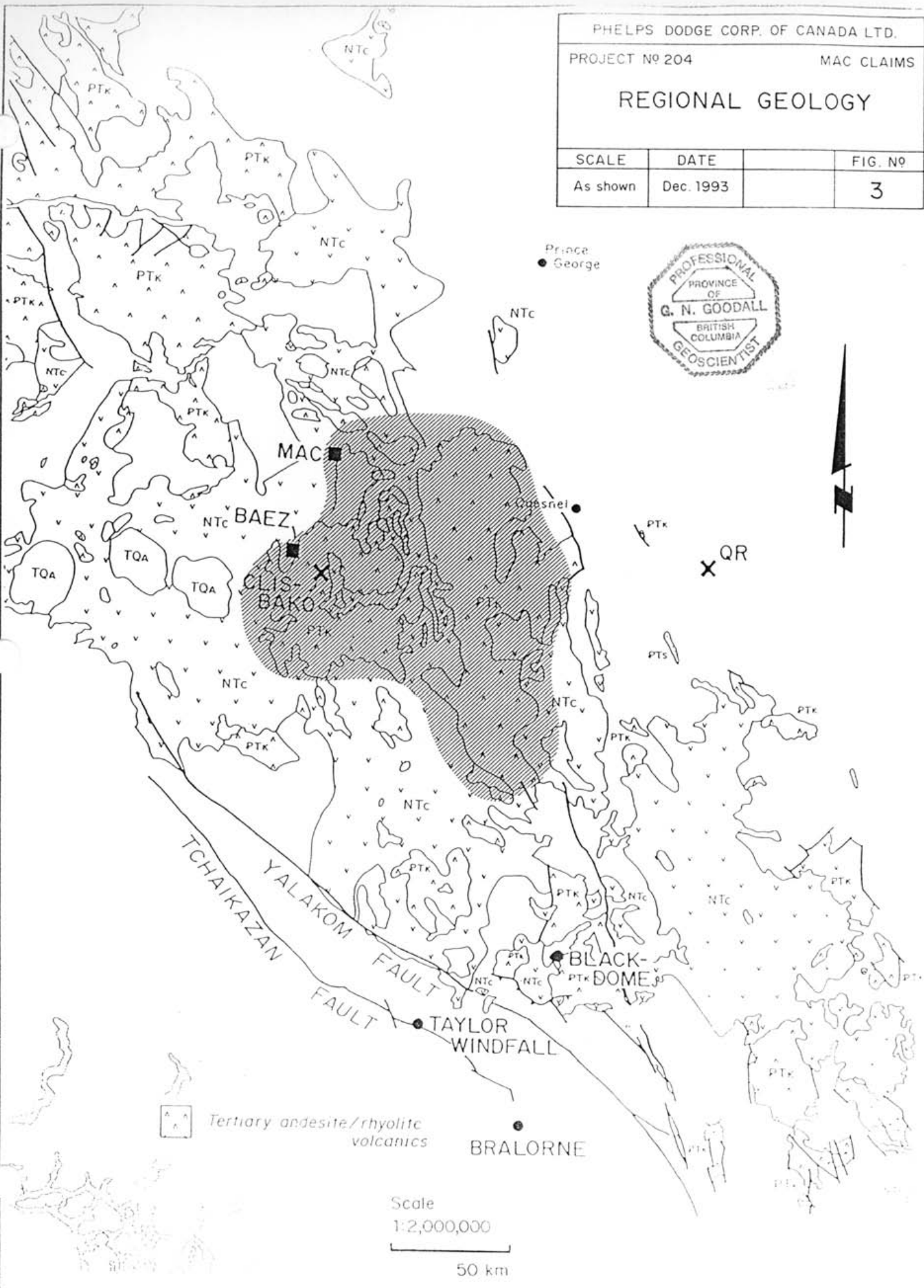
REGIONAL GEOLOGY

SCALE	DATE	FIG. NO
As shown	Dec. 1993	3



Prince
● George

NTc



A A Tertiary andesite/rhyolite volcanics

Scale
1:2,000,000
50 km

RESULTS

Seventeen soil samples from the northeastern grid line returned weakly anomalous concentrations of at least one indicator element. Three contained greater than 5 ppb gold, with a high concentration of 17 ppb gold. Five rock samples contained greater than 10 ppm antimony, with a high of 34 ppm. These weakly anomalous rocks are all from exposures of rhyolite breccia which exhibits weakly developed epithermal-style alteration in the form of drusy quartz veins and argillic alteration.

CONCLUSIONS

The work program conducted on the Mac claims in 1993 did not return significant results and failed to define a viable target. No further work is warranted.

RECOMMENDATIONS

No further work is recommended for the property. The claims should be allowed to lapse in October, 1994.

DISBURSEMENTS

Expenditures to December 31, 1993 for the Mac property are \$6,636.00 as tabulated below.

Land Maintenance	\$ 810
Geochemistry	1,874
Labour Contract - General	3,180
Publication and Maps	241
Supplies and Services - Field	148
Management Fee	<u>483</u>
Total Disbursements	\$ <u>6,636</u>

Prepared by:

FOX GEOLOGICAL CONSULTANTS LTD.



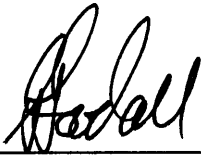
Geoffrey N. Goodall, B.Sc., P. Geo.

December 22, 1993

CERTIFICATE

I, Geoffrey N. Goodall, of the District of North Vancouver, British Columbia, do hereby certify that:

1. I am Professional Geoscientist registered in the Association of Professional Engineers and Geoscientists of the Province of British Columbia.
2. I graduated from the University of British Columbia in 1984 with a Bachelor of Science degree in geology.
3. I have been practising my profession as a geologist since graduation.
4. I am a Fellow of the Geological Association of Canada.



Geoffrey N. Goodall, B.Sc., P. Geo.
Vancouver, B.C.
December 22, 1993

A P P E N D I X I

Analytical Results

0.5 gm sample is digested with 3 mls 3-1-2 HCl-HNO₃-H₂O at 95 degree cent. for one hour and is diluted to 10 mls with water. This leach is near total for base metals, partial for rock forming elements and very slight for refractory elements. Solubility limits Ag, Pb, Sb, Bi and W for high grade samples.

Sample	Project	Property	Type	Remarks	Grid	East	North	Ag	As	Sb	Au	Hg
47349	204	MAC	GRAB	DIORITE MONZONITE WITH LIMONITIC VN				0.5	2	2	2.0	
47350	204	MAC	GRAB	LIMONITIC SILTSTONE				0.2	5	2	7.0	
47351	204	MAC	GRAB	CHERT PEBBLE CONGLOMERATE				0.3	13	3	5.0	
47352	204	MAC	GRAB	LIMONITIC CHERT PEBBLE CONGLOMERATE				0.3	11	2	3.0	
47353	204	MAC	GRAB	LIMONITIC CHERT PEBBLE CNGL/MUDSTONE				0.1	3	2	2.0	5
47354	204	MAC	GRAB	QUARTZ, CARBONATE ATL'R ANDESITE	433662.0	5866386.2		0.1	2	2	1.0	10
47355	204	MAC	GRAB	SILICIFIED MUDSTONE	432888.1	586751.3		0.1	5	2	1.0	5
47356	204	MAC	GRAB	SILICIFIED MUDSTONE	432729.0	5867831.6		0.1	20	2	2.0	5
47357	204	MAC	GRAB	ALTERED MUDSTONE	432638.8	5868001.2		0.3	7	2	1.0	5
47358	204	MAC	GRAB	LIMONITIC CHERT PEBBLE CONGLOMERATE	433788.7	5867229.8		0.1	19	2	2.0	5
47359	204	MAC	GRAB	MUDSTONE/CHERT	433778.6	5867258.0		0.2	2	2	1.0	5
47360	204	MAC	GRAB	LIMONITIC CHERTPEBBLE CONGLOMERATE	434539.8	5866928.2		0.2	6	2	1.0	5
47370	204	MAC	GRAB	LIMONITIC FINE GRAINED ANDESITE	11537	10000		0.1	2	2	2.0	5
47412	204	MAC	GRAB	DIORITE				0.1	2	2	2.0	5
47413	204	MAC	GRAB	AMYDALOIDAL BASALT, CARBONATE ALTD				0.1	2	2	1.0	70
47416	204	MAC	GRAB	PEBBLE CONGLOMERATE				0.2	3	2	17.0	
47417	204	MAC	GRAB	RHYOLITE BRECCIA				0.5	34	2	2.0	
47414	204	MAC	SOIL	TAN BROWN TILL				0.2	34	2	3.0	
47415	204	MAC	SOIL					0.3	9	2	3.0	40
47648	204	MAC	SOIL		A	10500	10000	0.1	4	2	2.0	90
47649	204	MAC	SOIL		A	10500	10050	0.1	2	2	1.0	45
47650	204	MAC	SOIL		A	10500	10100	0.1	2	2	1.0	50
47696	204	MAC	SOIL		A	10500	10150	0.1	2	2	1.0	40
47697	204	MAC	SOIL		A	10500	10200	0.1	2	2	1.0	30
47698	204	MAC	SOIL		A	10500	10250	0.1	2	2	1.0	35
47699	204	MAC	SOIL		A	10500	10300	0.2	2	2	1.0	35
47700	204	MAC	SOIL		A	10500	10350	0.1	2	2	1.0	40
47701	204	MAC	SOIL		A	10500	10400	0.1	2	2	1.0	35
47702	204	MAC	SOIL		A	10500	10450	0.1	2	2	1.0	15
47703	204	MAC	SOIL		A	10500	10500	0.2	2	2	1.0	70
47704	204	MAC	SOIL		A	10500	10550	0.2	2	2	1.0	35
47705	204	MAC	SOIL		A	10500	10600	0.1	2	2	1.0	25
47706	204	MAC	SOIL		A	10500	10650	0.2	2	2	1.0	45
47707	204	MAC	SOIL		A	10500	10700	0.2	2	2	1.0	65
47708	204	MAC	SOIL		A	10500	10750	0.1	2	2	1.0	30
47709	204	MAC	SOIL		A	10500	10800	0.1	2	2	1.0	40
47710	204	MAC	SOIL		A	10500	10850	0.1	2	2	1.0	35
47711	204	MAC	SOIL		A	10500	10900	0.1	2	2	1.0	45
47712	204	MAC	SOIL		A	10500	10950	0.1	2	2	1.0	35
47713	204	MAC	SOIL		A	10500	11000	0.2	2	2	1.0	50
47714	204	MAC	SOIL		A	10500	11050	0.1	2	2	1.0	40
47715	204	MAC	SOIL		A	10500	11100	0.2	5	2	2.0	20
47716	204	MAC	SOIL		A	10500	11150	0.1	2	2	1.0	20

Site #	Project	Property	Type	Remarks	Grid	East	North	Ag	As	Sb	Au	Hg
47717	204	MAC	SOIL		A	10500	11200	0.1	2	2	1.0	30
47718	204	MAC	SOIL		A	10500	11250	0.4	2	2	1.0	25
47719	204	MAC	SOIL		A	10500	11300	0.1	2	2	1.0	25
47720	204	MAC	SOIL		A	10500	11350	0.1	2	2	1.0	15
47721	204	MAC	SOIL		A	10500	11400	0.1	2	2	1.0	40
47722	204	MAC	SOIL		A	10500	11450	0.1	2	2	1.0	30
47723	204	MAC	SOIL		A	10500	11500	0.1	2	2	1.0	30
47724	204	MAC	SOIL		A	10500	11550	0.1	2	2	2.0	25
47725	204	MAC	SOIL		A	10500	11600	0.8	2	2	2.0	55
47726	204	MAC	SOIL		A	10500	11650	0.1	2	2	1.0	20
47727	204	MAC	SOIL		A	10500	11700	0.1	2	2	1.0	20
47728	204	MAC	SOIL		A	10500	11750	0.4	2	2	1.0	25
47729	204	MAC	SOIL		A	10500	11800	0.5	5	2	1.0	35
47730	204	MAC	SOIL		A	10500	11850	0.3	6	2	1.0	35
47731	204	MAC	SOIL		A	10500	11900	0.3	2	2	1.0	25
47732	204	MAC	SOIL		A	10500	11950	0.1	5	2	1.0	15
47733	204	MAC	SOIL		A	10500	12000	0.1	7	2	1.0	30
47734	204	MAC	SOIL		A	10500	12050	0.1	2	2	1.0	25
47735	204	MAC	SOIL		A	10500	12100	0.1	2	2	1.0	30
47736	204	MAC	SOIL		A	10500	12150	0.1	4	2	1.0	20
47737	204	MAC	SOIL		A	10500	12200	0.4	3	2	1.0	35
47738	204	MAC	SOIL		A	10500	12250	0.3	4	2	1.0	20
47739	204	MAC	SOIL		A	10500	12300	0.3	3	2	1.0	25
47740	204	MAC	SOIL		A	10500	12350	0.3	2	2	1.0	20
47741	204	MAC	SOIL		A	10500	12400	0.4	5	2	1.0	20
47742	204	MAC	SOIL		A	10500	12450	0.3	4	2	1.0	20
47743	204	MAC	SOIL		A	10500	12500	0.2	2	2	1.0	25
47744	204	MAC	SOIL		A	10500	12550	0.3	4	2	1.0	20
47745	204	MAC	SOIL		A	10500	12600	0.1	2	2	1.0	15
47746	204	MAC	SOIL		A	10500	12650	0.4	2	2	1.0	25
47747	204	MAC	SOIL		A	10500	12700	0.3	2	2	1.0	20
47748	204	MAC	SOIL		A	10500	12750	0.2	2	2	1.0	15
47749	204	MAC	SOIL		A	10500	12800	0.5	7	2	1.0	25
47750	204	MAC	SOIL		A	10500	12850	0.1	2	2	1.0	25
47751	204	MAC	SOIL		A	10500	12900	0.1	5	2	1.0	20
47752	204	MAC	SOIL		A	10500	12950	0.2	2	2	1.0	25
47753	204	MAC	SOIL		A	10500	13000	0.2	5	2	1.0	20
47754	204	MAC	SOIL		A	10000	10000	0.2	2	2	1.0	15
47755	204	MAC	SOIL		A	10000	10050	0.2	2	2	1.0	20
47756	204	MAC	SOIL		A	10000	10100	0.1	3	2	1.0	10
47757	204	MAC	SOIL		A	10000	10150	0.1	3	2	1.0	20
47758	204	MAC	SOIL		A	10000	10200	0.1	2	2	2.0	15
47759	204	MAC	SOIL		A	10000	10250	0.2	2	2	1.0	15

Sa	Project	Property	Type	Remarks	Grid	East	North	Ag	As	Sb	Au	Hg
47760	204	MAC	SOIL		A	10000	10300	0.3	2	2	1.0	20
47761	204	MAC	SOIL		A	10000	10350	0.3	2	2	1.0	15
47762	204	MAC	SOIL		A	10000	10400	0.2	2	2	1.0	20
47763	204	MAC	SOIL		A	10000	10450	0.3	2	2	1.0	20
47764	204	MAC	SOIL		A	10000	10500	0.3	2	2	1.0	30
47765	204	MAC	SOIL		A	10000	10550	0.3	2	2	1.0	25
47766	204	MAC	SOIL		A	10000	10600	0.4	4	2	2.0	25
47767	204	MAC	SOIL		A	10000	10650	0.1	4	3	2.0	25
47768	204	MAC	SOIL		A	10000	10700	0.1	2	2	2.0	35
47769	204	MAC	SOIL		A	10000	10750	0.1	2	2	1.0	15
47770	204	MAC	SOIL		A	10000	10800	0.1	2	2	1.0	15
47771	204	MAC	SOIL		A	10000	10850	0.1	2	2	1.0	15
47772	204	MAC	SOIL		A	10000	10900	0.1	2	2	2.0	15
47773	204	MAC	SOIL		A	10000	10950	0.1	2	2	1.0	15
47774	204	MAC	SOIL		A	10000	11000	0.1	2	2	2.0	15
47775	204	MAC	SOIL		A	10000	11050	0.1	2	2	4.0	15
47776	204	MAC	SOIL		A	10000	11100	0.1	2	2	1.0	10
47777	204	MAC	SOIL		A	10000	11150	0.1	2	2	1.0	30
47778	204	MAC	SOIL		A	10000	11200	0.1	2	2	1.0	20
47779	204	MAC	SOIL		A	10000	11250	0.1	2	2	2.0	15
47780	204	MAC	SOIL		A	10000	11300	0.1	2	2	2.0	15
47781	204	MAC	SOIL		A	10000	11350	0.1	2	2	1.0	20
47782	204	MAC	SOIL		A	10000	11400	0.1	2	2	1.0	30
47783	204	MAC	SOIL		A	10000	11450	0.1	2	2	1.0	30
47784	204	MAC	SOIL		A	10000	11500	0.1	3	2	2.0	30
47785	204	MAC	SOIL		A	10000	11550	0.1	2	3	1.0	30
47786	204	MAC	SOIL		A	10000	11600	0.1	2	2	3.0	20
47787	204	MAC	SOIL		A	10000	11650	0.1	2	2	1.0	25
47788	204	MAC	SOIL		A	10000	11700	0.2	3	2	1.0	30
47789	204	MAC	SOIL		A	10000	11750	0.2	2	2	1.0	25
47790	204	MAC	SOIL		A	10000	11800	0.1	2	2	1.0	25
47791	204	MAC	SOIL		A	10000	11850	0.2	2	2	1.0	30
47792	204	MAC	SOIL		A	10000	11900	0.1	2	2	1.0	20
47793	204	MAC	SOIL		A	10000	11950	0.2	3	2	1.0	25
47794	204	MAC	SOIL		A	10000	12000	0.3	2	2	1.0	30
47795	204	MAC	SOIL		A	10000	12050	0.1	2	2	1.0	20
47796	204	MAC	SOIL		A	10000	12100	0.2	2	2	1.0	20
47797	204	MAC	SOIL		A	10000	12150	0.1	2	2	1.0	20
47798	204	MAC	SOIL		A	10000	12200	0.1	2	2	1.0	20
47799	204	MAC	SOIL		A	10000	12250	0.2	2	2	1.0	60
47800	204	MAC	SOIL		A	10000	12300	0.1	2	2	1.0	30
47801	204	MAC	SOIL		A	10000	12350	0.1	2	2	3.0	25
47802	204	MAC	SOIL		A	10000	12400	0.1	2	2	1.0	20

Sta	Project	Property	Type	Remarks	Grid	East	North	Ag	As	Sb	Au	Hg
47803	204	MAC	SOIL		A	10000	12450	0.1	2	2	1.0	15
47804	204	MAC	SOIL		A	10000	12500	0.1	2	2	1.0	20
47805	204	MAC	SOIL		A	10000	12550	0.3	4	2	1.0	25
47806	204	MAC	SOIL		A	10000	12600	0.1	2	2	1.0	25
47807	204	MAC	SOIL		A	10000	12650	0.1	4	2	1.0	20
47808	204	MAC	SOIL		A	10000	12700	0.1	2	2	1.0	25
47809	204	MAC	SOIL		A	10000	12750	0.1	2	2	1.0	15
47810	204	MAC	SOIL		A	10000	12800	0.1	2	2	1.0	25
47811	204	MAC	SOIL		A	10000	12850	0.1	2	2	1.0	20
47812	204	MAC	SOIL		A	10000	12900	0.1	2	2	1.0	20
47813	204	MAC	SOIL		A	10000	12950	0.1	2	2	1.0	20
47814	204	MAC	SOIL	EOL	A	10000	13000	0.1	2	2	1.0	20
47921	204	MAC	SOIL		A	11000	10000	0.1	7	2	1.0	25
47922	204	MAC	SOIL		A	11000	10050	0.1	2	2	1.0	65
47923	204	MAC	SOIL		A	11000	10100	0.1	2	2	1.0	20
47924	204	MAC	SOIL		A	11000	10150	0.1	10	2	1.0	15
47925	204	MAC	SOIL		A	11000	10200	0.1	2	2	1.0	15
47926	204	MAC	SOIL		A	11000	10250	0.2	5	2	1.0	25
47927	204	MAC	SOIL		A	11000	10300	0.1	2	2	1.0	10
47928	204	MAC	SOIL		A	11000	10350	0.1	4	2	1.0	20
47929	204	MAC	SOIL		A	11000	10400	0.1	7	2	1.0	25
47930	204	MAC	SOIL		A	11000	10450	0.2	9	2	1.0	30
47931	204	MAC	SOIL		A	11000	10500	0.2	2	2	1.0	15
47932	204	MAC	SOIL	NO SAMPLE	A	11000	10550					
47933	204	MAC	SOIL	N/S AT 105+50N	A	11000	10600	0.4	3	2	1.0	15
47934	204	MAC	SOIL		A	11000	10650	0.1	10	2	1.0	10
47935	204	MAC	SOIL		A	11000	10700	0.2	3	2	1.0	25
47936	204	MAC	SOIL		A	11000	10750	0.2	8	2	1.0	15
47937	204	MAC	SOIL		A	11000	10800	0.2	7	2	1.0	20
47938	204	MAC	SOIL		A	11000	10850	0.1	11	2	1.0	20
47939	204	MAC	SOIL		A	11000	10900	0.1	2	2	1.0	25
47940	204	MAC	SOIL		A	11000	10950	0.2	2	2	1.0	20
47941	204	MAC	SOIL	CREEK AT 110+03N	A	11000	11000	0.2	31	2	1.0	30
47942	204	MAC	SOIL	NO SAMPLE	A	11000	11050					
47943	204	MAC	SOIL	N/S AT 110+50N	A	11000	11100	0.7	19	2	1.0	60
47944	204	MAC	SOIL		A	11000	11150	0.2	9	2	3.0	20
47945	204	MAC	SOIL		A	11000	11200	0.1	2	2	1.0	20
47946	204	MAC	SOIL		A	11000	11250	0.1	8	2	1.0	10
47947	204	MAC	SOIL		A	11000	11300	1.2	12	2	1.0	70
47948	204	MAC	SOIL		A	11000	11350	0.4	14	2	2.0	25
47949	204	MAC	SOIL		A	11000	11400	0.2	15	2	1.0	25
47950	204	MAC	SOIL		A	11000	11450	0.2	7	2	2.0	30
47951	204	MAC	SOIL	EOL	A	11000	11500	0.1	16	2	1.0	45

A P P E N D I X II

Assay Certificates



GEOCHEMICAL ANALYSIS CERTIFICATE



Phelps Dodge Corp. PROJECT 192 File # 93-2050
 1409 - 409 Granville St., Vancouver BC V6T 1T2 Submitted by: Geoff Goodall

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
38300	3	37	2	43	<.1	25	14	1607	5.02	<2	<5	<2	5	39	<.2	<2	<2	58	.43	.074	19	35	.27	127	.06	2	.78	.08	.08	1	7
47301	2	38	<2	64	<.1	9	5	267	2.31	9	5	<2	4	31	<.2	2	<2	22	.19	.024	8	15	.05	62	.04	2	.43	.07	.09	<1	6
47315	2	15	2	37	.2	9	6	305	1.61	4	<5	<2	2	53	<.2	<2	<2	33	.61	.078	18	13	.19	78	.12	<2	.78	.15	.12	1	2
47316	2	23	2	24	.1	11	6	302	1.69	9	6	<2	2	67	<.2	<2	<2	29	.64	.062	14	12	.24	95	.13	2	.98	.15	.13	1	2
47326	1	8	2	21	.1	5	3	94	1.45	<2	8	<2	3	32	<.2	<2	<2	46	.31	.014	16	11	.45	60	.12	2	1.17	.03	.10	<1	1
47336	1	13	4	12	<.1	6	4	839	1.57	6	9	<2	2	44	<.2	<2	<2	25	.51	.018	7	7	.43	170	.11	<2	1.42	.08	.12	1	1
47337	1	13	<2	46	.3	3	3	96	1.15	3	<5	<2	5	26	<.2	<2	<2	60	1.04	.269	25	6	.13	51	.11	<2	.51	.05	.10	1	<1
47340	1	21	2	48	.1	5	5	181	2.04	<2	<5	<2	3	36	<.2	<2	2	62	.62	.105	19	8	.33	52	.11	<2	.66	.10	.17	1	1
47341	1	18	3	64	.4	4	7	272	2.78	2	7	<2	3	28	<.2	<2	<2	70	.43	.064	18	5	.30	63	.22	4	.73	.10	.17	<1	<1
47349	1	107	5	328	.5	34	22	1055	5.03	<2	<5	<2	<2	24	1.2	<2	<2	81	.66	.090	10	45	2.30	52	.22	5	2.70	.05	.23	<1	2
47350	1	60	7	431	.2	169	17	411	4.46	5	<5	<2	<2	9	1.6	<2	<2	56	.02	.028	4	101	.96	72	.01	3	1.92	<.01	.08	<1	7
47351	4	67	9	142	.3	58	8	222	2.16	13	<5	<2	<2	9	1.2	3	<2	33	.01	.017	3	54	.16	42	<.01	3	.65	<.01	.05	<1	5
47352	4	40	9	59	.3	49	5	265	2.44	11	<5	<2	<2	21	.2	<2	<2	23	.06	.030	8	64	.73	37	<.01	5	1.22	.01	.10	<1	3
RE 47352	5	41	8	60	.3	50	5	274	2.50	9	<5	<2	<2	22	.2	<2	<2	23	.06	.031	8	62	.75	38	<.01	4	1.24	.01	.10	<1	2
47401	3	27	4	45	.1	27	18	2900	6.65	5	5	<2	5	47	<.2	<2	2	62	.39	.072	21	36	.21	229	.06	<2	.67	.07	.09	1	<1
47402	2	17	3	25	<.1	7	3	101	.51	5	<5	<2	9	15	<.2	<2	<2	16	.19	.029	13	7	.07	32	.01	3	.74	.04	.07	1	<1
47403	1	15	2	30	.1	5	4	190	1.40	7	8	<2	7	19	<.2	<2	<2	26	.18	.029	10	6	.09	60	.05	2	.57	.05	.11	<1	<1
47404	22	14	17	24	.6	9	2	84	1.02	277	<5	<2	3	10	.3	4	<2	3	.03	.009	8	8	.03	147	<.01	4	.24	<.01	.12	1	140
47405	10	53	13	48	1.0	9	4	169	1.54	221	<5	<2	4	11	.2	5	<2	14	.12	.031	18	14	.17	83	<.01	<2	.58	<.01	.19	1	15
47406	6	46	12	25	3.3	19	5	150	1.72	724	<5	<2	<2	9	<.2	17	<2	21	.15	.035	10	19	.08	38	<.01	3	.29	<.01	.10	1	150
47407	4	6	3	2	2.7	7	1	52	1.09	154	<5	<2	<2	15	<.2	13	<2	5	.02	.012	4	11	.01	69	<.01	3	.13	<.01	.19	1	53
47408	32	7	6	1	5.5	8	1	34	.98	397	<5	<2	<2	11	<.2	24	<2	7	.03	.007	9	11	.02	65	<.01	2	.27	<.01	.23	1	260
47409	25	14	7	2	5.1	8	2	32	2.47	499	<5	<2	<2	40	<.2	40	<2	7	.01	.036	9	9	.02	68	<.01	<2	.22	<.01	.17	1	31
47410	45	8	5	4	2.7	12	2	101	1.32	132	<5	<2	<2	15	<.2	19	<2	2	.01	.020	5	15	.01	54	<.01	4	.13	<.01	.12	2	240
47411	6	3	<2	2	2.0	8	1	51	.78	70	<5	<2	<2	6	<.2	7	<2	<2	.01	.005	2	10	<.01	32	<.01	2	.07	<.01	.07	2	320
47414	<1	144	4	155	.2	103	33	842	5.74	34	<5	<2	<2	24	1.3	<2	<2	66	.07	.053	4	32	.08	219	.01	3	1.03	.01	.03	<1	3
47416	3	45	<2	41	.2	79	8	292	2.28	3	<5	<2	<2	40	.4	<2	<2	44	.37	.021	4	75	.74	190	.06	3	1.83	.13	.34	1	17
47417	12	8	6	34	.5	3	4	116	3.08	34	<5	<2	8	170	<.2	<2	<2	52	.12	.045	51	4	.16	275	.07	<2	2.68	.02	.14	<1	2
192 WR1	3	31	2	51	.2	16	7	153	2.23	<2	7	<2	6	43	<.2	<2	<2	66	.63	.077	21	20	.44	51	.15	<2	.71	.18	.14	1	<1
205 WR1	1	16	4	56	.2	19	14	587	3.31	<2	<5	<2	5	65	<.2	<2	<2	57	1.62	.061	18	69	1.42	72	.03	<2	1.75	.07	.08	<1	<1
STANDARD C/AU-R	20	62	43	134	6.9	73	32	1074	4.09	44	20	7	39	54	19.0	15	19	59	.51	.087	40	62	.92	186	.10	34	1.94	.07	.15	11	490

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
 ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
 - SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: AUG 20 1993

DATE REPORT MAILED: Aug 24/93.

SIGNED BY: C. Leong, D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

2.993 SET 9:34 P.M. HOME L.H.B.S. 804 253 1710 TO FOX GEUL B04 253 1716

AA

AA

GEOCHEMICAL ANALYSIS CERTIFICATE

Phelps Dodge Corp. PROJECT 204 File # 93-2182 Page 1

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	Au*	Hg	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	%	ppm	ppb	ppb
47648	1	142	6	64	.1	70	16	750	4.55	4	<5	<2	<2	86	.3	<2	<2	79	1.70	.065	41	47	1.11	140	.25	7	2.10	.07	.07	<1	2	90	
47649	1	31	4	186	.1	62	21	385	4.89	<2	<5	<2	2	39	<.2	<2	<2	79	.36	.203	6	49	.50	129	.34	5	3.38	.04	.06	<1	<1	45	
47650	2	22	7	209	.1	37	19	634	4.90	<2	<5	<2	2	25	<.2	<2	<2	72	.22	.200	5	44	.20	109	.31	5	3.08	.02	.05	<1	1	50	
47696	1	29	6	180	<.1	53	19	560	4.85	<2	<5	<2	2	31	<.2	<2	<2	83	.29	.162	5	48	.57	123	.35	4	2.83	.03	.06	<1	1	40	
47697	1	27	5	190	<.1	40	18	541	4.95	<2	<5	<2	2	23	<.2	<2	<2	88	.22	.191	4	50	.41	79	.40	4	2.90	.03	.04	<1	1	30	
47698	1	23	5	165	<.1	44	18	724	4.07	<2	<5	<2	<2	25	<.2	<2	<2	71	.21	.134	4	43	.34	114	.32	4	2.55	.03	.05	<1	<1	35	
47699	1	27	6	205	.2	57	20	727	4.64	<2	<5	<2	3	39	.3	2	<2	78	.31	.290	6	46	.58	135	.31	5	2.94	.03	.05	<1	1	35	
47700	1	19	6	139	.1	17	13	618	3.66	<2	<5	<2	<2	32	<.2	<2	<2	70	.30	.094	4	33	.37	68	.27	3	1.60	.02	.04	<1	1	40	
47701	1	22	5	177	.1	21	12	451	4.01	<2	<5	<2	2	26	<.2	<2	<2	71	.29	.119	6	36	.43	79	.27	3	1.93	.02	.05	<1	<1	35	
RE 47701	1	23	5	190	<.1	22	13	480	4.33	<2	<5	<2	2	27	<.2	<2	<2	76	.30	.127	7	37	.44	82	.28	3	2.01	.02	.05	<1	<1	40	
47702	1	35	<2	102	<.1	67	23	387	5.81	<2	<5	<2	2	48	.2	<2	<2	101	.38	.098	5	61	.81	148	.44	4	3.15	.04	.05	<1	1	15	
47703	1	33	3	148	.2	41	19	379	6.39	<2	<5	<2	<2	34	<.2	<2	<2	90	.36	.303	6	45	.62	117	.29	5	3.94	.02	.06	1	<1	70	
47704	2	27	8	150	.2	19	14	614	5.06	<2	<5	<2	2	23	<.2	2	<2	82	.25	.291	7	38	.52	106	.25	4	2.20	.02	.06	<1	<1	35	
47705	1	28	7	183	.1	25	17	735	4.86	<2	<5	<2	2	33	<.2	<2	<2	89	.30	.153	6	41	.61	122	.29	2	2.17	.02	.05	<1	<1	25	
47706	1	39	7	608	.2	46	28	3198	4.44	<2	<5	<2	2	34	.4	2	<2	59	.28	.153	9	38	.19	231	.23	4	2.64	.03	.08	<1	<1	45	
47707	2	31	5	164	.2	27	17	967	5.14	<2	<5	<2	<2	24	.3	<2	<2	87	.27	.154	6	42	.64	109	.32	3	2.35	.02	.06	<1	<1	65	
47708	2	23	7	130	<.1	12	13	1063	3.88	<2	<5	<2	<2	16	<.2	<2	<2	77	.17	.094	5	34	.16	56	.28	3	1.16	.02	.04	<1	<1	30	
47709	1	28	5	82	<.1	14	11	544	4.14	2	<5	<2	<2	24	<.2	<2	<2	80	.41	.108	5	31	.58	65	.25	2	1.48	.01	.03	<1	<1	40	
47710	1	31	6	114	.1	22	14	625	4.88	2	<5	<2	2	33	<.2	<2	<2	86	.33	.088	5	38	.86	91	.28	3	2.30	.02	.04	<1	1	35	
47711	2	36	5	129	.1	22	19	1011	5.24	<2	<5	<2	2	34	.2	<2	<2	82	.38	.139	7	37	.90	121	.26	2	2.29	.02	.06	<1	<1	45	
47712	1	32	7	108	.1	30	18	630	4.92	<2	<5	<2	2	39	<.2	<2	<2	82	.39	.106	6	42	.63	171	.31	3	2.56	.02	.06	<1	<1	35	
47713	1	28	8	229	.2	22	18	803	4.78	<2	<5	<2	2	37	.2	<2	<2	85	.38	.101	7	39	.63	133	.27	3	2.27	.02	.07	<1	<1	50	
47714	1	24	6	219	.1	20	16	1461	4.44	<2	<5	<2	<2	38	<.2	<2	<2	83	.40	.089	6	40	.59	207	.30	2	2.21	.02	.06	<1	<1	40	
47715	1	25	7	112	.2	47	19	709	4.76	5	<5	<2	<2	44	<.2	<2	<2	81	.43	.115	6	49	.71	110	.32	2	2.22	.04	.07	<1	2	20	
47716	1	26	2	107	.1	50	19	432	4.53	<2	<5	<2	2	49	<.2	<2	<2	76	.36	.072	6	47	.67	181	.34	<2	2.72	.04	.07	<1	<1	20	
47717	1	27	5	194	.1	44	21	852	4.55	<2	<5	<2	2	36	.2	<2	<2	78	.28	.140	5	47	.38	157	.36	3	2.86	.03	.06	<1	<1	30	
47718	1	29	3	113	.4	45	19	370	4.86	<2	<5	<2	2	47	<.2	<2	<2	84	.42	.120	6	51	.59	116	.37	2	2.86	.04	.06	<1	1	25	
47719	1	41	6	92	.1	39	16	534	4.44	<2	<5	<2	<2	67	<.2	<2	<2	73	.68	.030	17	51	.64	99	.41	2	2.18	.07	.06	<1	<1	25	
47720	<1	22	5	94	<.1	34	12	281	3.96	2	<5	<2	<2	42	<.2	<2	<2	82	.37	.031	5	55	.41	69	.44	2	1.69	.04	.04	<1	<1	15	
47721	1	26	3	155	<.1	57	19	311	5.22	<2	<5	<2	2	44	<.2	<2	<2	92	.30	.148	4	59	.36	109	.40	2	3.25	.03	.05	<1	<1	40	
47722	1	29	2	119	<.1	61	23	450	5.65	<2	<5	<2	2	44	<.2	<2	<2	100	.37	.127	5	63	.57	116	.44	4	3.34	.04	.06	<1	<1	30	
47723	1	74	3	93	.1	72	19	1409	5.28	<2	<5	<2	<2	62	<.2	<2	<2	93	.87	.049	28	51	.63	117	.32	4	3.31	.06	.06	<1	<1	30	
47724	<1	44	4	102	.1	51	21	1264	5.23	<2	<5	<2	2	75	<.2	<2	<2	89	.96	.049	16	51	.84	90	.39	<2	2.38	.07	.06	<1	2	20	
47725	1	107	3	93	.8	75	16	571	5.73	2	<5	<2	<2	83	<.2	<2	<2	77	1.07	.041	40	50	.88	122	.28	3	3.51	.05	.07	<1	2	55	
47726	1	31	5	134	<.1	50	18	339	5.13	<2	<5	<2	2	32	<.2	<2	<2	91	.30	.106	6	59	.43	80	.41	2	2.50	.04	.05	<1	<1	20	
STANDARD C/AU-S	18	63	37	131	6.6	67	31	1085	3.96	42	16	7	37	54	16.8	14	20	59	.50	.087	40	56	.91	186	.09	34	1.88	.07	.14	10	49	1750	

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
 - SAMPLE TYPE: SOIL AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.
 Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: AUG 27 1993 DATE REPORT MAILED: *Sept 1/93* SIGNED BY: *[Signature]* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



ANALYTICAL



ANALYTICAL

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	Au*	Hg
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppb	ppb	
47727	1	17	5	130	.1	45	15	384	4.77	<2	<5	<2	<2	46	<2	<2	2	77	.44	.074	8	64	.74	90	.44	<2	2.31	.05	.05	1	1	20
47728	1	24	5	75	.4	33	13	545	4.34	2	5	<2	<2	57	<2	<2	<2	76	.61	.031	14	57	.68	83	.43	2	1.87	.07	.05	<1	1	25
47729	<1	34	5	86	.5	27	12	532	4.30	5	<5	<2	<2	65	<2	<2	<2	69	.72	.023	13	56	.59	90	.36	<2	2.12	.06	.05	<1	1	35
47730	<1	18	5	157	.3	37	15	710	4.39	6	<5	<2	<2	39	<2	<2	<2	80	.36	.043	9	64	.50	78	.40	<2	2.32	.04	.05	<1	<1	35
47731	1	20	2	133	.3	62	21	479	5.20	<2	<5	<2	<2	41	<2	<2	2	85	.33	.106	8	65	.70	120	.38	<2	3.04	.03	.07	1	<1	25
47732	2	19	3	96	.1	47	16	411	4.52	5	<5	<2	<2	42	<2	<2	<2	76	.35	.121	6	64	.41	105	.38	<2	2.72	.04	.06	<1	<1	15
47733	3	19	4	89	.1	87	24	332	5.27	7	<5	<2	<2	44	<2	<2	<2	79	.31	.132	6	66	.79	225	.38	<2	4.09	.04	.05	1	<1	30
47734	1	18	<2	122	.1	80	22	509	5.28	<2	<5	<2	<2	38	<2	<2	<2	87	.35	.146	6	74	.66	133	.40	2	3.15	.04	.08	<1	<1	25
47735	1	16	4	158	.1	45	19	959	5.10	<2	<5	<2	<2	36	<2	<2	<2	91	.34	.215	5	75	.39	102	.39	2	2.07	.03	.06	<1	<1	30
47736	<1	21	3	101	.1	86	24	512	5.95	4	<5	<2	<2	39	<2	<2	<2	95	.36	.151	7	76	1.04	127	.45	<2	3.11	.04	.07	1	<1	20
47737	1	18	6	193	.4	36	20	915	5.04	3	<5	<2	<2	33	.2	<2	2	88	.37	.193	6	71	.30	92	.38	<2	2.06	.03	.06	1	<1	35
47738	<1	18	2	135	.3	49	21	674	5.26	4	<5	<2	<2	42	<2	<2	<2	90	.37	.166	7	74	.46	96	.40	<2	2.33	.04	.05	<1	<1	20
47739	2	21	7	202	.3	33	16	513	4.96	3	<5	<2	<2	26	.2	<2	<2	78	.25	.225	7	64	.34	127	.36	2	2.13	.04	.06	<1	<1	25
47740	1	16	3	184	.3	53	19	370	5.24	<2	<5	<2	<2	38	<2	<2	<2	84	.36	.260	7	67	.45	116	.37	2	2.66	.03	.07	<1	<1	20
47741	1	16	3	120	.4	49	19	451	5.08	5	<5	<2	<2	33	<2	<2	<2	84	.31	.296	7	68	.44	105	.35	2	2.47	.03	.07	<1	<1	20
RE 47741	1	17	2	119	.4	51	19	462	5.24	<2	<5	<2	<2	34	<2	<2	<2	87	.32	.307	7	69	.44	106	.36	2	2.53	.03	.07	2	<1	15
47742	1	21	5	79	.3	55	21	377	4.95	4	<5	<2	<2	42	<2	<2	<2	78	.38	.180	9	64	.51	95	.36	<2	3.04	.05	.07	1	<1	20
47743	2	18	4	123	.2	53	21	476	5.46	<2	<5	<2	<2	46	<2	<2	<2	85	.40	.269	8	65	.62	125	.36	<2	2.65	.03	.07	<1	<1	25
47744	1	19	3	114	.3	63	22	567	5.43	4	<5	<2	<2	41	<2	<2	<2	88	.37	.179	7	70	.73	115	.39	<2	2.65	.04	.07	<1	<1	20
47745	1	20	2	88	.1	86	24	503	5.60	2	<5	<2	<2	48	<2	<2	<2	86	.41	.106	7	72	1.07	140	.40	2	3.02	.04	.07	<1	<1	15
47746	1	19	4	113	.4	57	21	769	5.32	<2	<5	<2	<2	45	<2	<2	<2	89	.38	.115	9	73	.61	127	.42	<2	2.79	.04	.07	1	<1	25
47747	1	16	3	145	.3	57	21	574	5.21	<2	<5	<2	<2	64	<2	<2	<2	83	.51	.197	7	67	.52	94	.37	2	2.77	.03	.07	<1	<1	20
47748	1	21	3	73	.2	64	20	373	5.03	<2	<5	<2	<2	58	<2	<2	<2	83	.41	.076	8	67	.84	141	.42	2	2.91	.05	.06	<1	<1	15
47749	2	20	2	127	.5	55	21	706	4.94	7	<5	<2	3	53	.8	<2	<2	79	.44	.157	9	67	.63	138	.36	2	2.75	.04	.09	<1	<1	25
47750	2	18	5	143	.1	60	21	781	5.19	<2	<5	<2	<2	44	.2	<2	<2	87	.38	.166	8	70	.54	130	.38	<2	2.82	.04	.08	<1	<1	25
47751	1	19	4	96	.1	73	23	445	5.33	5	<5	<2	<2	66	<2	<2	<2	82	.51	.102	9	71	.91	178	.40	3	3.47	.04	.07	<1	<1	20
47752	2	18	5	121	.2	49	21	695	4.80	<2	<5	<2	<2	38	<2	<2	<2	78	.33	.182	8	67	.45	95	.35	<2	2.71	.03	.07	<1	1	25
47753	<1	20	5	128	.2	76	25	545	5.44	5	5	<2	<2	40	<2	<2	<2	85	.34	.173	8	72	.73	149	.37	3	3.59	.04	.06	<1	<1	20
47921	1	20	4	244	<.1	55	19	511	4.42	7	<5	<2	<2	32	<2	<2	<2	67	.29	.260	7	49	.51	181	.30	<2	3.22	.03	.05	1	<1	25
47922	1	21	4	174	.1	50	19	445	4.76	<2	<5	<2	<2	37	<2	<2	<2	66	.41	.365	7	47	.81	130	.23	<2	3.47	.03	.07	<1	<1	65
47923	1	20	6	153	<.1	42	17	460	4.47	2	<5	<2	<2	32	<2	<2	<2	71	.32	.167	7	50	.46	125	.31	2	3.03	.03	.07	<1	<1	20
47924	1	22	5	92	.1	55	16	404	4.77	10	5	<2	<2	48	<2	<2	<2	74	.49	.089	11	63	.77	114	.35	<2	2.75	.05	.07	<1	<1	15
47925	<1	24	5	104	.1	38	15	490	4.52	<2	<5	<2	<2	45	<2	<2	<2	73	.45	.071	8	56	.60	88	.33	4	2.18	.06	.06	<1	<1	15
47926	<1	43	2	68	.2	29	10	377	4.41	5	7	<2	2	65	<2	<2	<2	50	.82	.032	18	57	.66	71	.31	<2	2.06	.09	.08	<1	<1	25
47927	<1	19	3	171	<.1	47	17	553	4.36	<2	<5	<2	<2	47	<2	<2	<2	70	.45	.170	8	55	.57	117	.31	<2	2.21	.05	.06	<1	<1	10
STANDARD C/AU-S	16	59	39	124	7.4	67	32	1065	3.96	39	18	7	35	52	18.6	14	18	55	.52	.087	39	60	.92	187	.09	33	1.88	.06	.14	11	49	1690

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.



AA ANALYTICAL



AA ANALYTICAL

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	Le	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*	Hg
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppb	ppb
47928	1	23	7	94	<.1	61	19	379	4.97	4	<5	<2	<2	40	<.2	<2	<2	76	.31	.101	6	60	.56	153	.37	3	3.33	.03	.06	2	1	20
47929	1	20	7	143	.1	41	18	653	5.26	7	<5	<2	<2	23	<.2	<2	<2	86	.23	.155	6	57	.53	79	.34	2	2.78	.02	.05	<1	1	25
47930	<1	24	5	78	.2	67	18	467	4.78	9	<5	<2	<2	46	<.2	<2	<2	70	.53	.067	9	53	1.24	106	.31	<2	2.41	.03	.05	<1	1	30
47931	<1	21	4	73	.2	28	12	562	3.34	2	<5	<2	2	57	<.2	<2	<2	52	.75	.047	10	45	.50	77	.29	2	1.51	.07	.06	<1	1	15
47933	2	19	8	80	.4	39	15	486	4.29	3	5	<2	2	50	.4	<2	2	64	.70	.051	10	55	.81	66	.34	4	1.48	.07	.05	<1	1	15
47934	1	20	6	69	.1	51	16	488	4.21	10	<5	<2	<2	48	<.2	<2	<2	61	.68	.064	9	52	1.20	48	.34	3	1.27	.07	.05	1	1	10
47935	<1	22	4	78	.2	41	11	334	3.76	3	<5	<2	<2	57	<.2	<2	<2	56	.72	.050	11	51	.61	77	.34	<2	1.61	.07	.05	1	<1	25
47936	<1	21	7	92	.2	30	13	340	3.81	8	<5	<2	2	44	<.2	<2	2	58	.44	.066	8	47	.51	82	.31	<2	2.08	.04	.06	<1	1	15
47937	<1	23	8	74	.2	38	14	465	4.15	7	<5	<2	<2	50	<.2	<2	<2	65	.62	.033	13	56	.68	73	.34	3	1.62	.06	.05	<1	1	20
47938	2	28	5	84	.1	55	17	483	4.33	11	5	<2	<2	58	<.2	<2	<2	76	.73	.065	14	62	.71	81	.38	2	1.57	.07	.06	<1	1	20
47939	3	22	6	120	.1	79	22	533	5.07	2	<5	<2	<2	56	<.2	<2	<2	77	.64	.080	11	71	.88	120	.39	2	2.44	.05	.06	<1	1	25
47940	2	20	5	93	.2	44	13	404	3.76	<2	<5	<2	<2	67	<.2	<2	<2	59	.77	.064	13	59	.53	95	.36	2	1.80	.07	.06	<1	1	20
47941	11	33	5	72	.2	47	17	454	3.86	31	<5	<2	<2	70	<.2	<2	<2	72	.93	.065	13	62	.55	95	.35	<2	1.74	.07	.06	<1	1	30
RE 47941	13	35	4	68	.3	47	17	466	3.80	33	<5	<2	<2	68	<.2	<2	<2	74	.94	.062	13	61	.54	92	.33	<2	1.70	.07	.06	<1	<1	25
47943	3	53	8	130	.7	61	17	1152	5.32	19	6	<2	2	77	.2	<2	<2	73	.92	.055	33	67	.76	126	.33	<2	2.61	.06	.07	1	1	60
47944	2	18	6	162	.2	62	19	343	4.63	9	<5	<2	<2	32	<.2	<2	<2	74	.30	.119	8	58	.52	105	.34	<2	2.79	.03	.05	2	3	20
47945	1	13	7	109	.1	45	17	867	4.38	2	<5	<2	<2	27	<.2	<2	<2	81	.24	.103	6	62	.40	92	.37	2	2.15	.03	.07	<1	1	20
47946	2	16	5	98	<.1	45	17	412	4.41	8	<5	<2	<2	27	<.2	<2	<2	79	.21	.057	6	57	.50	73	.37	<2	2.18	.03	.04	1	<1	10
47947	2	50	8	94	1.2	74	21	824	5.57	12	5	<2	2	62	<.2	<2	<2	71	.67	.038	21	64	.88	83	.32	3	2.71	.05	.07	<1	1	70
47948	1	29	6	101	.4	67	20	540	5.36	14	<5	<2	<2	41	<.2	<2	<2	91	.37	.061	10	73	.77	113	.40	2	2.63	.04	.05	1	2	25
47949	3	26	7	107	.2	66	19	377	4.60	15	<5	<2	2	31	<.2	<2	<2	81	.31	.098	8	65	.60	103	.35	2	2.65	.02	.07	1	1	25
47950	1	21	2	118	.2	72	21	611	5.31	7	<5	<2	<2	26	.2	<2	<2	102	.26	.113	6	76	.70	81	.42	3	2.43	.03	.05	<1	2	30
47951	1	22	9	137	.1	75	22	1218	4.59	16	<5	<2	<2	30	1.0	<2	<2	79	.30	.125	6	58	.61	123	.32	2	3.03	.02	.06	<1	1	45
STANDARD C/AU-S	17	61	38	124	6.7	68	31	1074	3.96	37	17	7	36	52	18.8	14	19	56	.49	.086	40	60	.93	188	.09	33	1.88	.06	.14	11	46	1640

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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GEOCHEMICAL ANALYSIS CERTIFICATE



Phelps Dodge Corp. PROJECT 204 File # 93-2182 Page 1

1409 - 409 Granville St., Vancouver BC V6R 1T2 Submitted by: Geoff Goddard

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	V	Au*	Hg
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	%	ppm	ppb	ppb
47648	1	142	6	64	.1	70	16	750	4.55	4	<5	<2	<2	86	.3	<2	<2	79	1.70	.065	41	47	1.11	140	.25	7	2.10	.07	.07	<1	2	90
47649	1	31	4	186	.1	62	21	385	4.89	<2	<5	<2	2	39	<.2	<2	<2	79	.36	.203	6	49	.50	129	.34	5	3.38	.04	.06	<1	<1	45
47650	2	22	7	209	.1	37	19	634	4.90	<2	<5	<2	2	25	<.2	<2	<2	72	.22	.200	5	44	.20	109	.31	5	3.08	.02	.05	<1	1	50
47696	1	29	6	180	<.1	53	19	560	4.85	<2	<5	<2	2	31	<.2	<2	<2	83	.29	.162	5	48	.57	123	.35	4	2.83	.03	.06	<1	1	40
47697	1	27	5	190	<.1	40	18	541	4.95	<2	<5	<2	2	23	<.2	<2	<2	88	.22	.191	4	50	.41	79	.40	4	2.90	.03	.04	<1	1	30
47698	1	23	5	165	<.1	44	18	724	4.07	<2	<5	<2	<2	25	<.2	<2	<2	71	.21	.134	4	43	.34	114	.32	4	2.55	.03	.05	<1	<1	35
47699	1	27	6	205	.2	57	20	727	4.64	<2	<5	<2	3	39	.3	2	<2	78	.31	.290	6	46	.58	135	.31	5	2.94	.03	.05	<1	1	35
47700	1	19	6	139	.1	17	13	618	3.66	<2	<5	<2	<2	32	<.2	<2	<2	70	.30	.094	4	33	.37	68	.27	3	1.60	.02	.04	<1	1	40
47701	1	22	5	177	.1	21	12	451	4.01	<2	<5	<2	2	26	<.2	<2	<2	71	.29	.119	6	36	.43	79	.27	3	1.93	.02	.05	<1	<1	35
RE 47701	1	23	5	190	<.1	22	13	480	4.33	<2	<5	<2	2	27	<.2	<2	<2	76	.30	.127	7	37	.44	82	.28	3	2.01	.02	.05	<1	<1	40
47702	1	35	<2	102	<.1	67	23	387	5.81	<2	<5	<2	2	48	.2	<2	<2	101	.38	.098	5	61	.81	148	.44	4	3.15	.04	.05	<1	1	15
47703	1	33	3	148	.2	41	19	379	6.39	<2	<5	<2	<2	34	<.2	<2	<2	90	.36	.303	6	45	.62	117	.29	5	3.94	.02	.06	1	<1	70
47704	2	27	8	150	.2	19	14	614	5.06	<2	<5	<2	2	23	<.2	2	<2	82	.25	.291	7	38	.52	106	.25	4	2.20	.02	.06	<1	<1	35
47705	1	28	7	183	.1	25	17	735	4.86	<2	<5	<2	2	33	<.2	<2	<2	89	.30	.153	6	41	.61	122	.29	2	2.17	.02	.05	<1	<1	25
47706	1	39	7	608	.2	46	28	3198	4.44	<2	<5	<2	2	34	.4	2	<2	59	.28	.153	9	38	.19	231	.23	4	2.64	.03	.08	<1	<1	45
47707	2	31	5	164	.2	27	17	967	5.14	<2	<5	<2	<2	24	.3	<2	<2	87	.27	.154	6	42	.64	109	.32	3	2.35	.02	.06	<1	<1	65
47708	2	23	7	130	<.1	12	13	1063	3.88	<2	<5	<2	<2	16	<.2	<2	<2	77	.17	.094	5	34	.16	56	.28	3	1.16	.02	.04	<1	<1	30
47709	1	28	5	82	<.1	14	11	544	4.14	2	<5	<2	<2	24	<.2	<2	<2	80	.41	.108	5	31	.58	65	.25	2	1.48	.01	.03	<1	<1	40
47710	1	31	6	114	.1	22	14	625	4.88	2	<5	<2	2	33	<.2	<2	<2	86	.33	.088	5	38	.86	91	.28	3	2.30	.02	.04	<1	1	35
47711	2	36	5	129	.1	22	19	1011	5.24	<2	<5	<2	2	34	.2	<2	<2	82	.38	.139	7	37	.90	121	.26	2	2.29	.02	.06	<1	<1	45
47712	1	32	7	108	.1	30	18	630	4.92	<2	<5	<2	2	39	<.2	<2	<2	82	.39	.106	6	42	.63	171	.31	3	2.56	.02	.06	<1	<1	35
47713	1	28	8	229	.2	22	18	803	4.78	<2	<5	<2	2	37	.2	<2	<2	85	.38	.101	7	39	.63	133	.27	3	2.27	.02	.07	<1	<1	50
47714	1	24	6	219	.1	20	16	1461	4.44	<2	<5	<2	<2	38	<.2	<2	<2	83	.40	.089	6	40	.59	207	.30	2	2.21	.02	.06	<1	<1	40
47715	1	25	7	112	.2	47	19	709	4.76	5	<5	<2	<2	44	<.2	<2	<2	81	.43	.115	6	49	.71	110	.32	2	2.22	.04	.07	<1	2	20
47716	1	26	2	107	.1	50	19	432	4.53	<2	<5	<2	2	49	<.2	<2	<2	76	.36	.072	6	47	.67	181	.34	<2	2.72	.04	.07	<1	<1	20
47717	1	27	5	194	.1	44	21	852	4.55	<2	<5	<2	2	36	.2	<2	<2	78	.28	.140	5	47	.38	157	.36	3	2.86	.03	.06	<1	<1	30
47718	1	29	3	113	.4	45	19	370	4.86	<2	<5	<2	2	47	<.2	<2	<2	84	.42	.120	6	51	.59	116	.37	2	2.86	.04	.06	<1	1	25
47719	1	41	6	92	.1	39	16	534	4.44	<2	<5	<2	<2	67	<.2	<2	<2	73	.68	.030	17	51	.64	99	.41	2	2.18	.07	.06	<1	<1	25
47720	<1	22	5	94	<.1	34	12	281	3.96	2	<5	<2	<2	42	<.2	<2	<2	82	.37	.031	5	55	.41	69	.44	2	1.69	.04	.04	<1	<1	15
47721	1	26	3	155	<.1	57	19	311	5.22	<2	<5	<2	2	44	<.2	<2	<2	92	.30	.148	4	59	.36	109	.40	2	3.25	.03	.05	<1	<1	40
47722	1	29	2	119	<.1	61	23	450	5.65	<2	<5	<2	2	44	<.2	<2	<2	100	.37	.127	5	63	.57	116	.44	4	3.34	.04	.06	<1	<1	30
47723	1	74	3	93	.1	72	19	1409	5.28	<2	<5	<2	<2	62	<.2	<2	<2	93	.87	.049	28	51	.63	117	.32	4	3.31	.06	.06	<1	<1	30
47724	<1	44	4	102	.1	51	21	1264	5.23	<2	<5	<2	2	75	<.2	<2	<2	89	.96	.049	16	51	.84	90	.39	<2	2.38	.07	.06	<1	2	25
47725	1	107	3	93	.8	75	16	571	5.73	2	<5	<2	<2	83	<.2	<2	<2	77	1.07	.041	40	50	.88	122	.28	3	3.51	.05	.07	<1	2	55
47726	1	31	5	134	<.1	50	18	339	5.13	<2	<5	<2	2	32	<.2	<2	<2	91	.30	.106	6	59	.43	80	.41	2	2.50	.04	.05	<1	<1	20
STANDARD C/AU-S	18	63	37	131	6.6	67	31	1085	3.96	42	16	7	37	54	16.8	14	20	59	.50	.087	40	56	.91	186	.09	34	1.88	.07	.14	10	49	1750

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.

THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B V AND LIMITED FOR NA K AND AL.

- SAMPLE TYPE: SOIL AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: AUG 27 1993 DATE REPORT MAILED: *Sept 1/93* SIGNED BY: *Choy* .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS



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	Au*	Hg
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppb	ppb
47727	1	17	5	130	.1	45	15	384	4.77	<2	<5	<2	<2	46	<.2	<2	2	77	.44	.074	8	64	.74	90	.44	<2	2.31	.05	.05	1	1	20
47728	1	24	5	75	.4	33	13	545	4.34	2	5	<2	<2	57	<.2	<2	<2	76	.61	.031	14	57	.68	83	.43	2	1.87	.07	.05	<1	1	25
47729	<1	34	5	86	.5	27	12	532	4.30	5	<5	<2	<2	65	<.2	<2	<2	69	.72	.023	13	56	.59	90	.36	<2	2.12	.06	.05	<1	1	35
47730	<1	18	5	157	.3	37	15	710	4.39	6	<5	<2	<2	39	<.2	<2	<2	80	.36	.043	9	64	.50	78	.40	<2	2.32	.04	.05	<1	<1	35
47731	1	20	2	133	.3	62	21	479	5.20	<2	<5	<2	<2	41	<.2	<2	2	85	.33	.106	8	65	.70	120	.38	<2	3.04	.03	.07	1	<1	25
47732	2	19	3	96	.1	47	16	411	4.52	5	<5	<2	<2	42	<.2	<2	<2	76	.35	.121	6	64	.41	105	.38	<2	2.72	.04	.06	<1	<1	15
47733	3	19	4	89	.1	87	24	332	5.27	7	<5	<2	<2	44	<.2	<2	<2	79	.31	.132	6	66	.79	225	.38	<2	4.09	.04	.05	1	<1	30
47734	1	18	<2	122	.1	80	22	509	5.28	<2	<5	<2	<2	38	<.2	<2	<2	87	.35	.146	6	74	.66	133	.40	2	3.15	.04	.08	<1	<1	25
47735	1	16	4	158	.1	45	19	959	5.10	<2	<5	<2	<2	36	<.2	<2	<2	91	.34	.215	5	75	.39	102	.39	2	2.07	.03	.06	<1	<1	30
47736	<1	21	3	101	.1	86	24	512	5.95	4	<5	<2	<2	39	<.2	<2	<2	95	.36	.151	7	76	1.04	127	.45	<2	3.11	.04	.07	1	<1	20
47737	1	18	6	193	.4	36	20	915	5.04	3	<5	<2	<2	33	.2	<2	2	88	.37	.193	6	71	.30	92	.38	<2	2.06	.03	.06	1	<1	35
47738	<1	18	2	135	.3	49	21	674	5.26	4	<5	<2	<2	42	<.2	<2	<2	90	.37	.166	7	74	.46	96	.40	<2	2.33	.04	.05	<1	<1	20
47739	2	21	7	202	.3	33	16	513	4.96	3	<5	<2	<2	26	.2	<2	<2	78	.25	.225	7	64	.34	127	.36	2	2.13	.04	.06	<1	<1	25
47740	1	16	3	184	.3	53	19	370	5.24	<2	<5	<2	<2	38	<.2	<2	<2	84	.36	.260	7	67	.45	116	.37	2	2.66	.03	.07	<1	<1	20
47741	1	16	3	120	.4	49	19	451	5.08	5	<5	<2	<2	33	<.2	<2	<2	84	.31	.296	7	68	.44	105	.35	2	2.47	.03	.07	<1	<1	20
RE 47741	1	17	2	119	.4	51	19	462	5.24	<2	<5	<2	<2	34	<.2	<2	<2	87	.32	.307	7	69	.44	106	.36	2	2.53	.03	.07	2	<1	15
47742	1	21	5	79	.3	55	21	377	4.95	4	<5	<2	<2	42	<.2	<2	<2	78	.38	.180	9	64	.51	95	.36	<2	3.04	.05	.07	1	<1	20
47743	2	18	4	123	.2	53	21	476	5.46	<2	<5	<2	<2	46	<.2	<2	<2	85	.40	.269	8	65	.62	125	.36	<2	2.65	.03	.07	<1	<1	25
47744	1	19	3	114	.3	63	22	567	5.43	4	<5	<2	<2	41	<.2	<2	<2	88	.37	.179	7	70	.73	115	.39	<2	2.65	.04	.07	<1	<1	20
47745	1	20	2	88	.1	86	24	503	5.60	2	<5	<2	<2	48	<.2	<2	<2	86	.41	.106	7	72	1.07	140	.40	2	3.02	.04	.07	<1	<1	15
47746	1	19	4	113	.4	57	21	769	5.32	<2	<5	<2	<2	45	<.2	<2	<2	89	.38	.115	9	73	.61	127	.42	<2	2.79	.04	.07	1	<1	25
47747	1	16	3	145	.3	57	21	574	5.21	<2	<5	<2	<2	64	<.2	<2	<2	83	.51	.197	7	67	.52	94	.37	2	2.77	.03	.07	<1	<1	20
47748	1	21	3	73	.2	64	20	373	5.03	<2	<5	<2	<2	58	<.2	<2	<2	83	.41	.076	8	67	.84	141	.42	2	2.91	.05	.06	<1	<1	15
47749	2	20	2	127	.5	55	21	706	4.94	7	<5	<2	3	53	.8	<2	<2	79	.44	.157	9	67	.63	138	.36	2	2.75	.04	.09	<1	<1	25
47750	2	18	5	143	.1	60	21	781	5.19	<2	<5	<2	<2	44	.2	<2	<2	87	.38	.166	8	70	.54	130	.38	<2	2.82	.04	.08	<1	<1	25
47751	1	19	4	96	.1	73	23	445	5.33	5	<5	<2	<2	66	<.2	<2	<2	82	.51	.102	9	71	.91	178	.40	3	3.47	.04	.07	<1	<1	20
47752	2	18	5	121	.2	49	21	695	4.80	<2	<5	<2	<2	38	<.2	<2	<2	78	.33	.182	8	67	.45	95	.35	<2	2.71	.03	.07	<1	1	25
47753	<1	20	5	128	.2	76	25	545	5.44	5	5	<2	<2	40	<.2	<2	<2	85	.34	.173	8	72	.73	149	.37	3	3.59	.04	.06	<1	<1	20
47921	1	20	4	244	<.1	55	19	511	4.42	7	<5	<2	<2	32	<.2	<2	<2	67	.29	.260	7	49	.51	181	.30	<2	3.22	.03	.05	1	<1	25
47922	1	21	4	174	.1	50	19	445	4.76	<2	<5	<2	<2	37	<.2	<2	<2	66	.41	.365	7	47	.81	130	.23	<2	3.47	.03	.07	<1	<1	65
47923	1	20	6	153	<.1	42	17	460	4.47	2	<5	<2	<2	32	<.2	<2	<2	71	.32	.167	7	50	.46	125	.31	2	3.03	.03	.07	<1	<1	20
47924	1	22	5	92	.1	55	16	404	4.77	10	5	<2	<2	48	<.2	<2	<2	74	.49	.089	11	63	.77	114	.35	<2	2.75	.05	.07	<1	<1	15
47925	<1	24	5	104	.1	38	15	490	4.52	<2	<5	<2	<2	45	<.2	<2	<2	73	.45	.071	8	56	.60	88	.33	4	2.18	.04	.06	<1	<1	15
47926	<1	43	2	68	.2	29	10	377	4.41	5	7	<2	2	65	<.2	<2	<2	50	.82	.032	18	57	.66	71	.31	<2	2.06	.09	.08	<1	<1	25
47927	<1	19	3	171	<.1	47	17	553	4.36	<2	<5	<2	<2	47	<.2	<2	<2	70	.45	.170	8	55	.57	117	.31	<2	2.21	.05	.06	<1	<1	10
STANDARD C/AU-S	16	59	39	124	7.4	67	32	1065	3.96	39	18	7	35	52	18.6	14	18	55	.52	.087	39	60	.92	187	.09	33	1.88	.06	.14	11	49	1690

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.



ACME ANALYTICAL

Phelps Dodge Corp. PROJECT 204 FILE # 93-2182

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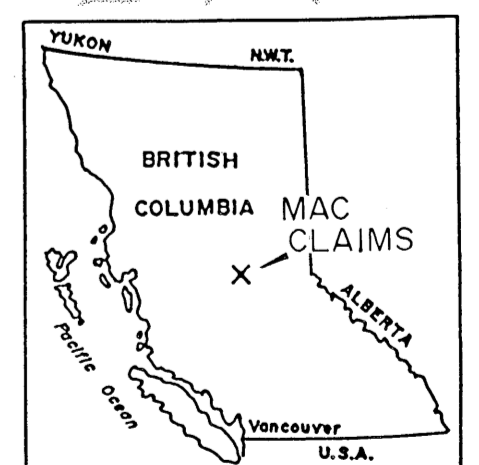
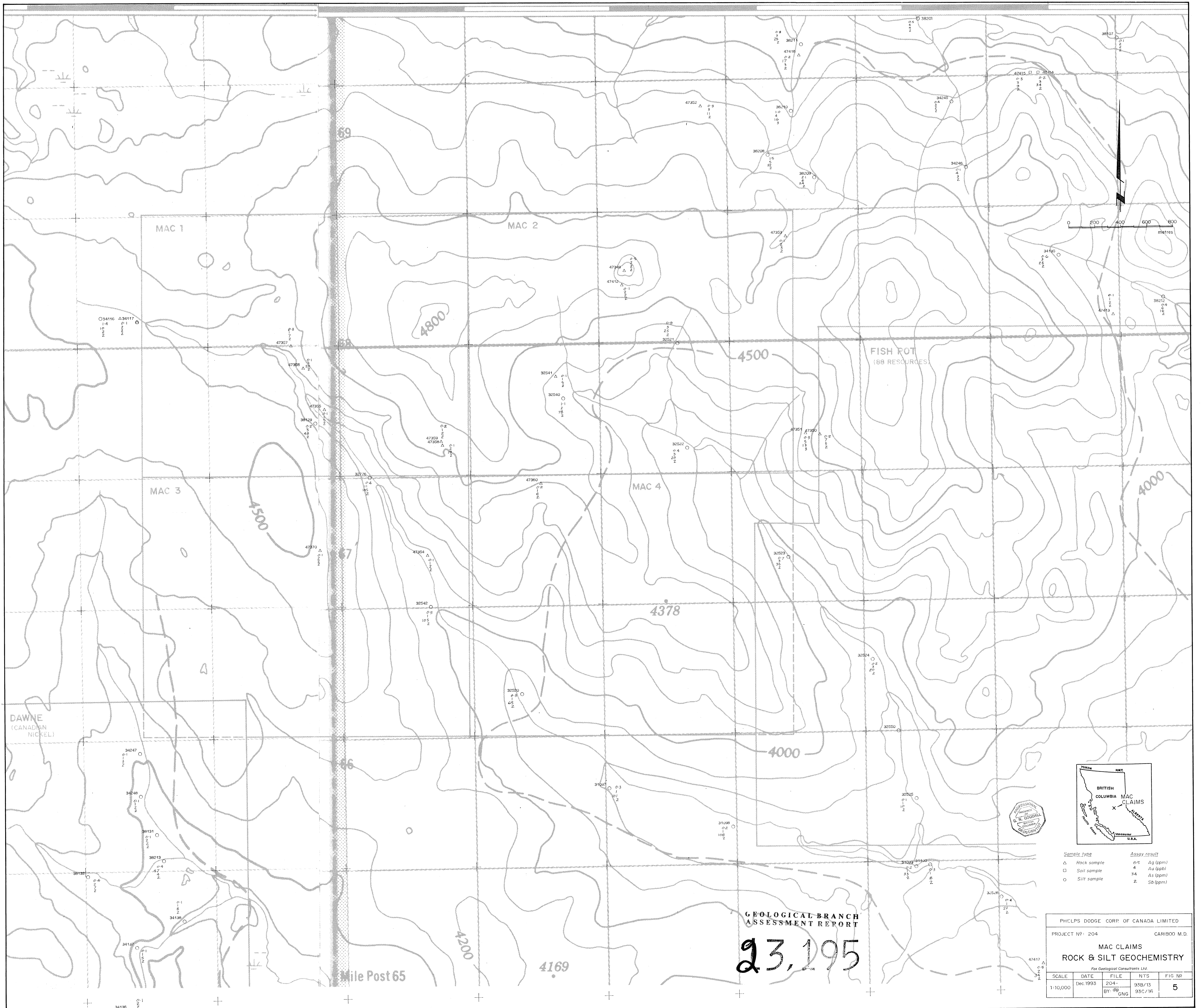


ACME ANALYTICAL

SAMPLE#	No	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	Le	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au ⁶	Hg
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppb	ppb
47928	1	23	7	94	<.1	61	19	379	4.97	4	<5	<2	<2	40	<.2	<2	<2	76	.31	.101	6	60	.56	153	.37	3	3.33	.03	.06	2	1	20
47929	1	20	7	143	.1	41	18	653	5.26	7	<5	<2	<2	23	<.2	<2	<2	86	.23	.155	6	57	.53	79	.34	2	2.78	.02	.05	<1	1	25
47930	<1	24	5	78	.2	67	18	467	4.78	9	<5	<2	<2	46	<.2	<2	<2	70	.53	.067	9	53	1.24	106	.31	<2	2.41	.03	.05	<1	1	30
47931	<1	21	4	73	.2	28	12	562	3.34	2	<5	<2	2	57	<.2	<2	<2	52	.75	.047	10	45	.50	77	.29	2	1.51	.07	.06	<1	1	15
47933	2	19	8	80	.4	39	15	486	4.29	3	5	<2	2	50	.4	<2	2	64	.70	.051	10	55	.81	66	.34	4	1.48	.07	.05	<1	1	15
47934	1	20	6	69	.1	51	16	488	4.21	10	<5	<2	<2	48	<.2	<2	<2	61	.68	.064	9	52	1.20	48	.34	3	1.27	.07	.05	1	1	10
47935	<1	22	4	78	.2	41	11	334	3.76	3	<5	<2	<2	57	<.2	<2	<2	56	.72	.050	11	51	.61	77	.34	<2	1.61	.07	.05	1	<1	25
47936	<1	21	7	92	.2	30	13	340	3.81	8	<5	<2	2	44	<.2	<2	2	58	.44	.066	8	47	.51	82	.31	<2	2.08	.04	.06	<1	1	15
47937	<1	23	8	74	.2	38	14	465	4.15	7	<5	<2	<2	50	<.2	<2	<2	65	.62	.033	13	56	.68	73	.34	3	1.62	.06	.05	<1	1	20
47938	2	28	5	84	.1	55	17	483	4.33	11	5	<2	<2	58	<.2	<2	<2	76	.73	.065	14	62	.71	81	.38	2	1.57	.07	.06	<1	1	20
47939	3	22	6	120	.1	79	22	533	5.07	2	<5	<2	<2	56	<.2	<2	<2	77	.64	.080	11	71	.88	120	.39	2	2.44	.05	.06	<1	1	25
47940	2	20	5	93	.2	44	13	404	3.76	<2	<5	<2	<2	67	<.2	<2	<2	59	.77	.064	13	59	.53	95	.36	2	1.80	.07	.06	<1	1	20
47941	11	33	5	72	.2	47	17	454	3.86	31	<5	<2	<2	70	<.2	<2	<2	72	.93	.065	13	62	.55	95	.35	<2	1.74	.07	.06	<1	1	30
RE 47941	13	35	4	68	.3	47	17	466	3.80	33	<5	<2	<2	68	<.2	<2	<2	74	.94	.062	13	61	.54	92	.33	<2	1.70	.07	.06	<1	<1	25
47943	3	53	8	130	.7	61	17	1152	5.32	19	6	<2	2	77	.2	<2	<2	73	.92	.055	33	67	.76	126	.33	<2	2.61	.06	.07	1	1	60
47944	2	18	6	162	.2	62	19	343	4.63	9	<5	<2	<2	32	<.2	<2	<2	74	.30	.119	8	58	.52	105	.34	<2	2.79	.03	.05	2	3	20
47945	1	13	7	109	.1	45	17	867	4.38	2	<5	<2	<2	27	<.2	<2	<2	81	.24	.103	6	62	.40	92	.37	2	2.15	.03	.07	<1	1	20
47946	2	16	5	98	<.1	45	17	412	4.41	8	<5	<2	<2	27	<.2	<2	<2	79	.21	.057	6	57	.50	73	.37	<2	2.18	.03	.04	1	<1	10
47947	2	50	8	94	1.2	74	21	824	5.57	12	5	<2	2	62	<.2	<2	<2	71	.67	.038	21	64	.88	83	.32	3	2.71	.05	.07	<1	1	70
47948	1	29	6	101	.4	67	20	540	5.36	14	<5	<2	<2	41	<.2	<2	<2	91	.37	.061	10	73	.77	113	.40	2	2.63	.04	.05	1	2	25
47949	3	26	7	107	.2	66	19	377	4.60	15	<5	<2	2	31	<.2	<2	<2	81	.31	.098	8	65	.60	103	.35	2	2.65	.02	.07	1	1	25
47950	1	21	2	118	.2	72	21	611	5.31	7	<5	<2	<2	26	.2	<2	<2	102	.26	.113	6	76	.70	81	.42	3	2.43	.03	.05	<1	2	30
47951	1	22	9	137	.1	75	22	1218	4.59	16	<5	<2	<2	30	1.0	<2	<2	79	.30	.125	6	58	.61	123	.32	2	3.03	.02	.06	<1	1	45
STANDARD C/AU-S	17	61	38	124	6.7	68	31	1074	3.96	37	17	7	36	52	18.8	14	19	56	.49	.086	40	60	.93	188	.09	33	1.88	.06	.14	11	46	1640

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

SEP 2 33 5:30 PM HURTE LABS B04 C03 1718 10 FOR GEUL

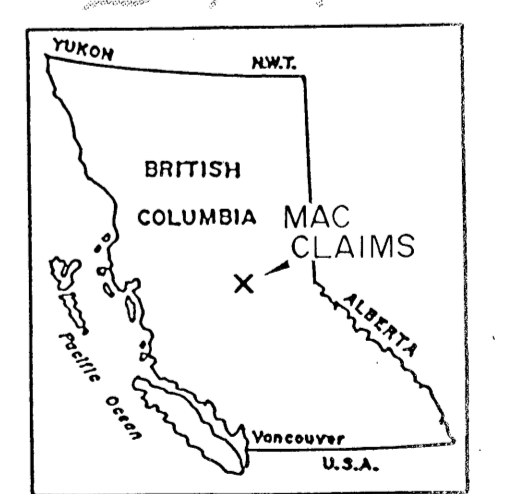


Sample type	Assay result
△ Rock sample	0.5 Ag (ppm)
□ Soil sample	4 Au (ppb)
○ Silt sample	34 As (ppm)
	2 Sb (ppm)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,195

PHELPS DODGE CORP OF CANADA LIMITED				
PROJECT NO: 204		CARIBOO M.D.		
MAC CLAIMS ROCK & SILT GEOCHEMISTRY				
<small>For Geological Consultants Ltd.</small>				
SCALE	DATE	FILE	NTS	FIG NO
1:10,000	Dec 1993	204-	93B/13	5
		BY: GNG	93C/16	



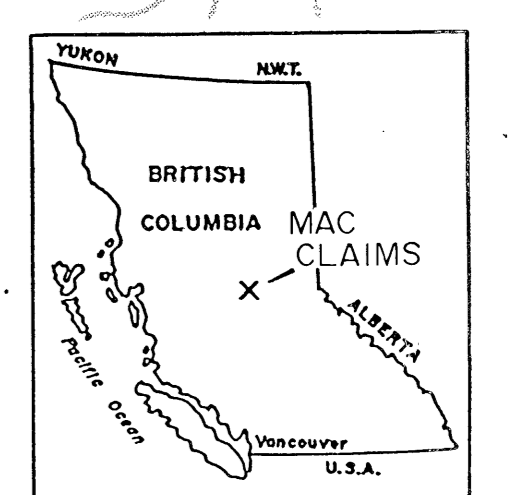
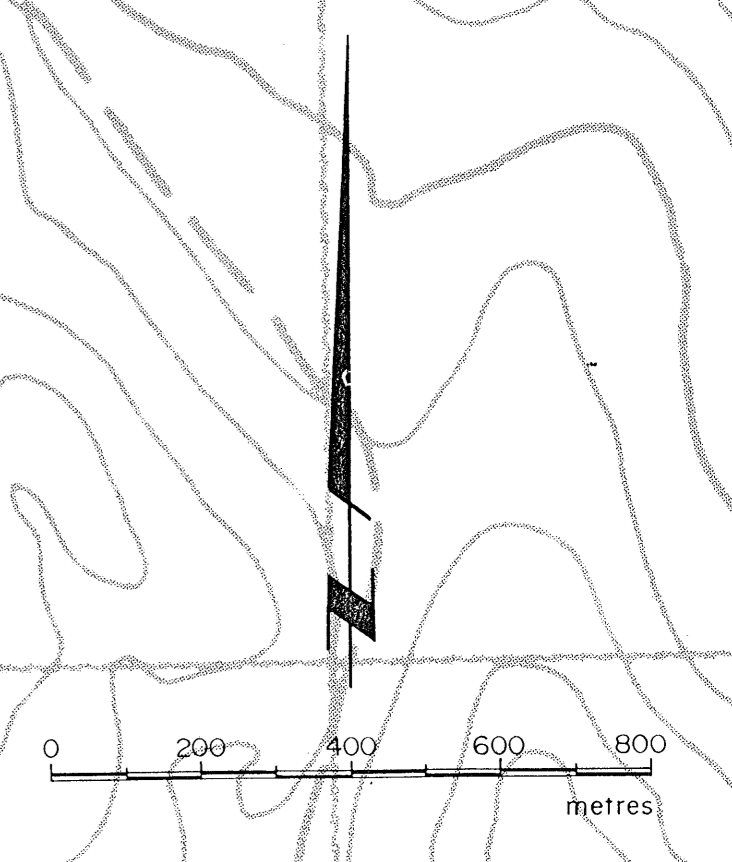
Gold (ppb) □ Silver (ppm)

GEOLOGICAL BRANCH
ASSESSMENT REPORT
23,195

PHELPS DODGE CORP. OF CANADA LIMITED					
PROJECT Nº:	204	FILE	93B/13	FIG Nº	6
MAC CLAIMS		CARIBOO M.D.			
SOIL GEOCHEMISTRY					
Au, Ag					
Fox Geological Consultants Ltd.					
SCALE	DATE	FILE	NTS	FIG Nº	
1:10,000	Dec 1995	204-	93B/13	6	
		By: GNG	93C/16		



DAWNE
(CANADIAN
NICKEL)



Arsenic (ppm) □ Antimony (ppm)

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

23.195

PHELPS DODGE CORP. OF CANADA LIMITED				
PROJECT NO: 204		CARIBOO M.D.		
MAC CLAIMS SOIL GEOCHEMISTRY As, Sb				
<small>For Geological Consultants Ltd.</small>				
SCALE	DATE	FILE	NTS	FIG. NO
1:10,000	Dec 1993	204-	93B/13	7
		By: dip GNG	93C/16	