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GEOLOGICAL and GEOCHEMICAL REPORT

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	GEOLOGICAL SURVEY BRANCH ASSESSMENT REPORTS
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**BREW 1 TO 4 MINERAL CLAIMS
BREWSTER LAKE PROPERTY**

**OMINECA MINING DIVISION
BRITISH COLUMBIA**

**NTS 93F/07E
53° 23' North Latitude
124° 31' West Longitude**

by

P. E. Fox, Ph.D., P. Eng.

**FOX GEOLOGICAL SERVICES INC.
1409 - 409 Granville Street
Vancouver, BC V6C 1T8**

**Work Paid for by
PHELPS DODGE CORPORATION OF CANADA, LIMITED**

24,108

**GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORTS**

FILMED

October 16, 1995

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SUMMARY

The Brewster Lake property is located approximately 80 kilometres south-southwest of Vanderhoof. Road access is available from Vanderhoof via the Kluskus Forest Service Road and various spur logging roads which provide access to most portions of the property.

Previous work by Cogema in 1993 resulted in delineation of four coincident geochemical and geophysical anomalous zones and rock samples containing up to 1250 ppb gold. The 1995 work program, conducted by Fox Geological Services Inc. between June 27 and July 4, concentrated on following-up Cogema's work. A total of 10 mandays was expended and 68 rock samples were collected.

Mapping and prospecting during 1995 located two areas of interest. The TB showing contains up to 1% disseminated pyrite in chert pebble conglomerate. Arsenopyrite and pyrite (1-2%) are present in silica flooded float found near the south claim line. Rock samples collected contained no significant concentrations of base or precious metals.

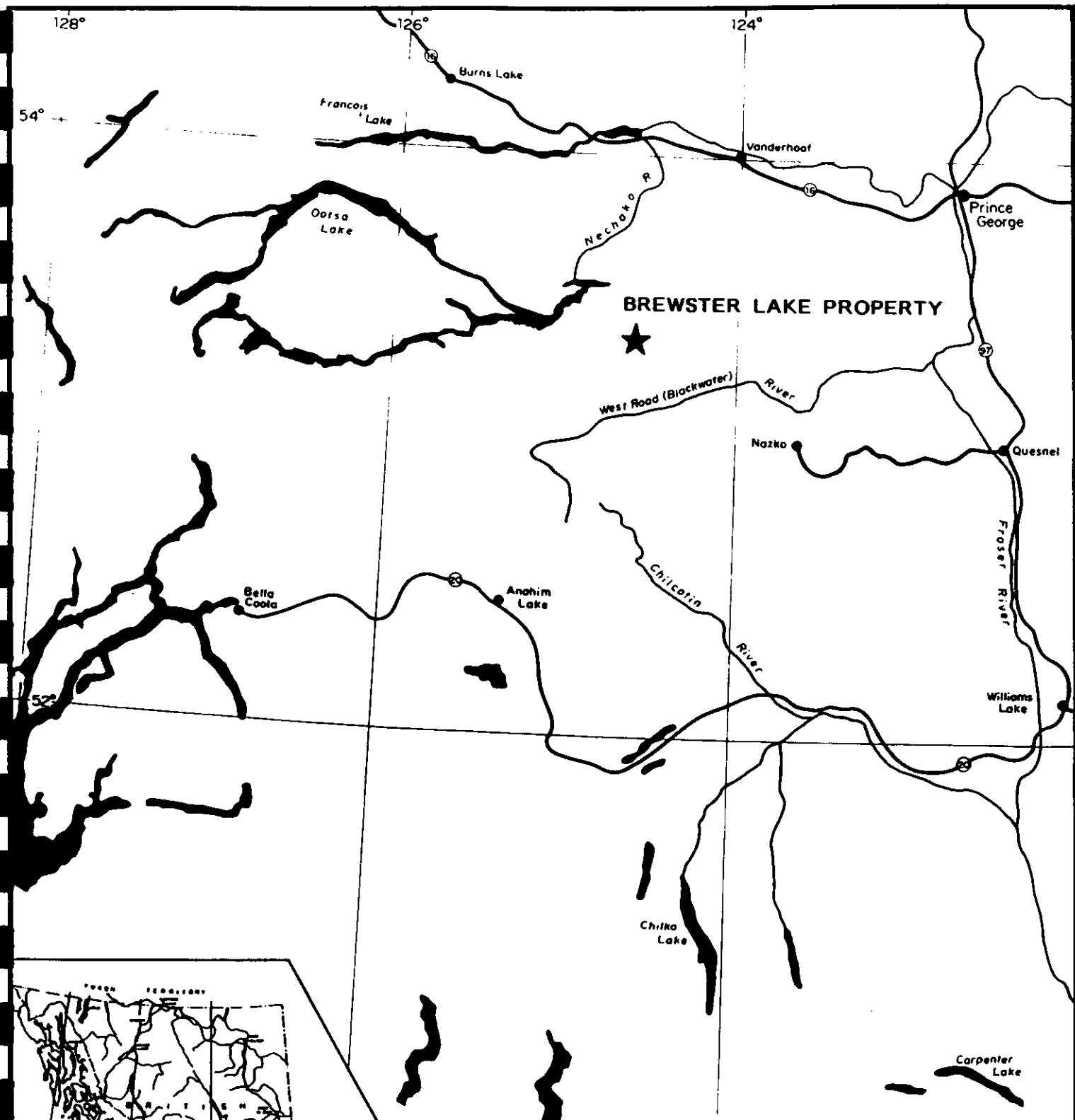
INTRODUCTION

This report details an exploration program conducted by Fox Geological Services Inc. for Phelps Dodge Corporation of Canada, Limited on the Brewster Lake Property between June 27 and July 4, 1995. The 1995 work program included geological mapping, sampling and prospecting in areas previously determined to be geochemically and geophysically anomalous.

LOCATION, ACCESS and PHYSIOGRAPHY

The Brewster Lake property is located on the Nechako Plateau of central British Columbia, just northwest of Chutanli Lake, approximately 80 kilometres south-southwest of Vanderhoof.

Access from Vanderhoof is via the Kluskus Forest Service Road which cuts through the eastern edge of the property. Logging spur roads provide excellent access to most other portions of the property.



PHELPS DODGE CORP. OF CANADA LTD.			
PROJECT Nº 251		OMINECA M.D.	
BREWSTER LAKE PROPERTY			
PROPERTY LOCATION			
<i>Fox Geological Consultants Ltd</i>			
SCALE	DATE	NTS	FIG Nº
1:2,000,000	Oct. 1995	93F/7	1

Physiography within the claim area is variable, with of a series of low, northwesterly trending hills and ridges which rise from 1160 metres in the central claim area to 1340 metres along the western claim line. The eastern portion of the property is a broad area with little relief. A number of swamps occupy the eastern and central regions. Drainages in the northwest show a strong northeasterly-oriented, linear trend.

CLAIM INFORMATION

The Brewster Lake Property consists of four modified grid claims, totalling 66 units, recorded in the Omineca Mining Division and shown on NTS map sheet 093F/07 (see Figure 1). The claims are currently under option from Cogema Resources Inc. Claim details are set out below. All are in good standing and appear to have been staked in accordance with the Mineral Act. Expiry dates tabulated below assume that current work is accepted for assessment purposes.

Table 1

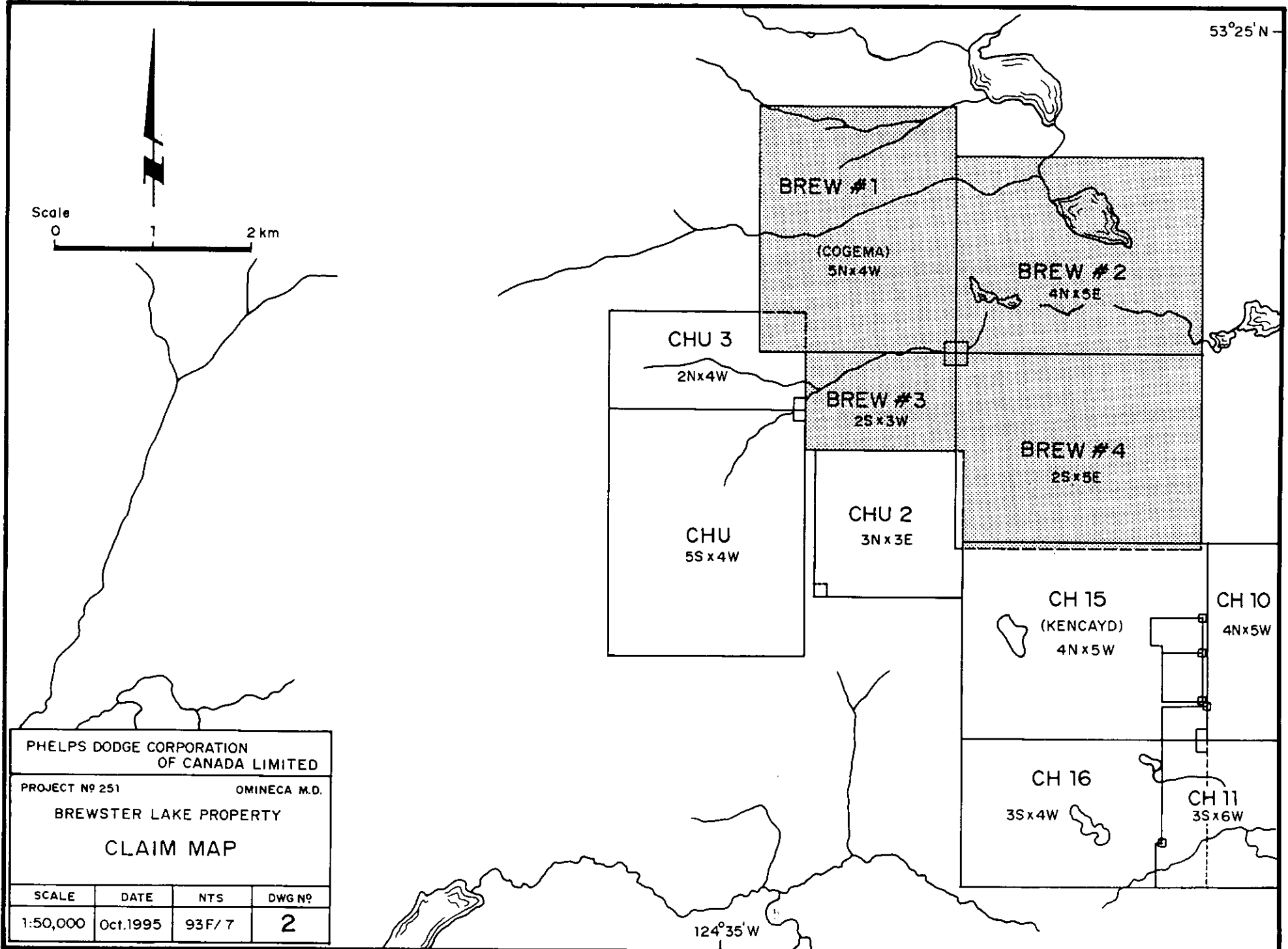
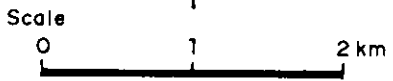
Claim Name	Record #	Units	Years	Expiry Date
Brew 1	314657	20	1	November 15, 1997
Brew 2	314658	20	1	November 15, 1997
Brew 3	314659	6	1	November 15, 1997
Brew 4	314660	20	1	November 15, 1997

The claims have been grouped as the Brew 95-1 Group.

REGIONAL GEOLOGY

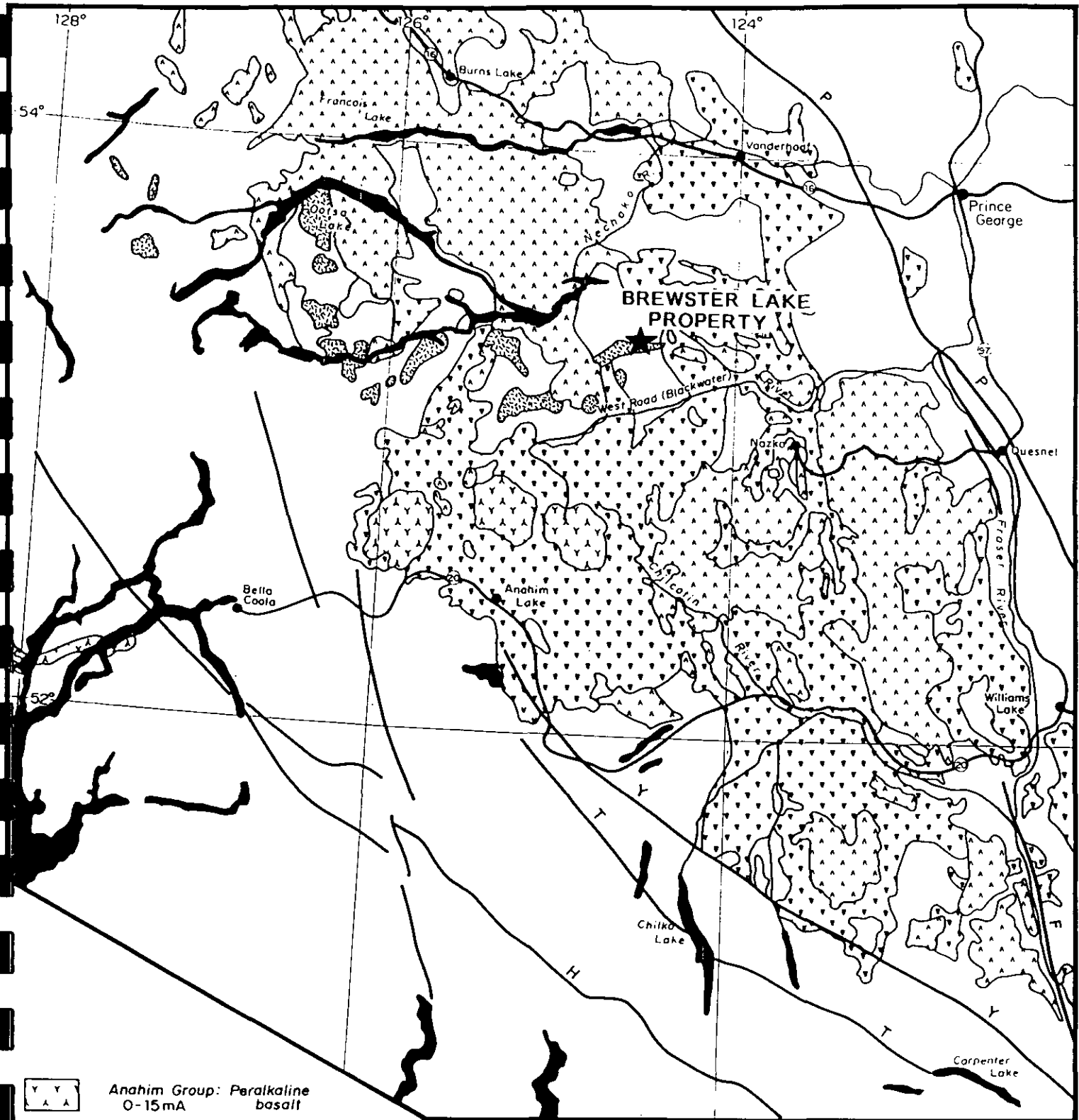
The Brewster Lake Property is located in the Interior Plateau region of British Columbia, within the Intermontaine Belt, which consists late Palaeozoic to late Tertiary sedimentary and volcanic belonging to the Stikinia, Cache Creek and Quesnellia Terranes. The Yalakom and Fraser Fault systems bound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






53°25' N



124°35' W

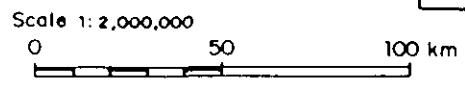
PHELPS DODGE CORPORATION OF CANADA LIMITED			
PROJECT N° 251		OMINECA M.D.	
BREWSTER LAKE PROPERTY			
CLAIM MAP			
SCALE	DATE	NTS	DWG N°
1:50,000	Oct.1995	93F/7	2



-  Anahim Group: Peralkaline basalt
0-15mA
-  Chilcotin Group: Backarc alkaline, tholeiite basalt
2-10mA
-  Nanika, Quanchus Intrusives: Quartz monzonite, granite
60mA
-  Ootsa Group: Calc-alkaline felsic volcanics
35-70mA
-  Pre-Tertiary rocks and Coast Intrusions

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

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PROJECT Nº 251		OMINECA M.D.	
BREWSTER LAKE PROPERTY REGIONAL GEOLOGY			
Fox Geological Consultants Ltd.			
SCALE	DATE	NTS	FIG Nº
1:2,000,000	Oct 1995	93F/07	3



The property lies along the southeastern flank of the northern Nechako Range, a Tertiary horst. The fault which bounds the eastern flank of the Nechako Horst is believed to trend northwesterly through the central claim area, where topography experiences an abrupt transition from more rugged terrane on the west to gently rolling plains on the east.

PROPERTY GEOLOGY

Bedrock geology is available from rocks outcropping in the western third of the property, the remainder of the claims are covered by a thick apron of glacial outwash and eskers.

Lower Cretaceous Skeena Group argillite with intercalated sandstone and minor pebble conglomerate outcrop in the northwest. Previous workers have noted a few small ammonite and pelecypod fragments and rare pyrite concretions within the sediments.

The remainder of outcropping bedrock consists of middle Jurassic Hazelton Group sedimentary and volcanic rocks. Silty argillite and sandstone are intercalated with lapilli tuff and mafic to intermediate tuff. These are underlain by a thick sequence of andesite with minor intercalated basaltic flows and flow breccia. Skeena and Hazelton rocks both trend northeasterly and dip moderately to steeply to the northwest.

Both groups of rocks have been intruded by north to northeasterly trending, medium grained diabase dykes and fine grained hornblende porphyry dyke swarms. Host rocks have been contact metamorphosed and locally silicified. Alteration within intrusions is slight. An unaltered diorite dyke is present in the northwestern corner of the property and a weakly argillic-altered felsic dyke was found approximately 150 metres to the northwest.

MINERALIZATION

Mineralization observed on the property consists of disseminated pyrrhotite and pyrite in Hazelton Group rocks, spatially related to dykes. Sulphides are more plentiful in sediments, up to 5% pyrrhotite and 1% pyrite, with only minor amounts in volcanics. Most of this type of mineralization is scattered throughout the southwestern area of the claim block. Minor quartz-calcite veining and stockworks, containing minor disseminated pyrite, were found in silty argillites and may be the source of quartz-carbonate boulders previously discovered on the Kluskus road.

Two areas of interest were discovered during the 1995 exploration program. The TB Showing was found in the "low lands" south of a small pond in the central part of the claim block. The showing consists of brecciated, matrix supported chert pebble conglomerate (sharpstone?) with up to 1% disseminated pyrite throughout the matrix.

The second area is located south of and along the south central claim boundary where subangular boulders of a light grey, aphanitic silica flooded rock contains 1% to 2% disseminated fine grained pyrrhotite, less than 1% pyrite stringers and minor arsenopyrite.

1995 WORK PROGRAM

The 1995 exploration program on the Brewster Lake Property was conducted between June 27 and July 4, 1995. A total of 10 mandays was expended on geological mapping and prospecting, with work concentrated in areas of previously delineated till geochemical anomalies and high resistivity response from an airborne geophysical survey.

Property geology was mapped at a scale of 1:10,000 and is presented as Figure 4 of this report. A total of 68 rock samples was collected throughout the claim area and sent to Acme Analytical Laboratories Ltd. in Vancouver for analysis. All rocks were analyzed for 35 elements, including gold. Rock sample locations are shown in Figure 5; analytical method is described in Appendix 2.

RESULTS

Gold in bedrock samples was uniformly low. All samples containing in excess of 7 ppb Au were grab samples of float material. Base metals and gold indicator elements were equally disappointing. The best sample (#45653, float) contained 41 ppb Au with elevated Cu (106.5 ppm), Zn (472.3 ppm) and Ag (359 ppb). Rock geochemical results are tabulated below. Gold, silver, arsenic and mercury are plotted on Figure 6. Analytical results are presented in Appendix 3.

Table 2

ELEMENT (units)	Au (ppb)	Ag (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Hg (ppb)
RANGE	1-41	<30-359	5.3-268.9	1.0-32.8	12-472.3	<.5-96.2	<.2-6.8	<5-312

CONCLUSIONS

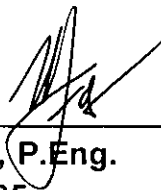
Geological mapping and prospecting during 1995 located abundant disseminated pyrrhotite and local pyrite in most rock units, spatially related to dykes. Rock samples, however, contained no significant concentrations of base or precious metals.

DISBURSEMENTS

Expenditures to October 16, 1995 for the Brewster Lake Property are \$12,400.40 as tabulated below.

Accommodation and Board	22 man days @ \$65.00/day	1,430.00
Communication		325.00
Laboratory (rock samples)	68 rock samples @ \$19.55 each	1,329.40
Labour		
C. Payne	9.5 days @ \$295.00/day	2,802.50
K. Karchmar	1 day @ \$295.00/day	295.00
T. Archibald	6 days @ \$225.00/day	1,350.00
P. Murphy	6 days @ \$225.00/day	1,350.00
Shipping		133.50
Transportation (truck, gas, etc.)		875.00
Report, drafting		<u>2,510.00</u>
Total Disbursements		<u>\$12,400.40</u>

FOX GEOLOGICAL SERVICES INC.



 P.E. Fox, Ph.D., P.Eng.
 October 16, 1995

REPORT DISTRIBUTION:

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

CERTIFICATE

I, Peter Edward Fox, certify to the following:

- 1. I am a consulting geologist residing at #902 - 2077 Nelson Street, Vancouver, B.C.**
- 2. I am a Professional Engineer registered in the Association of Professional Engineers and Geoscientists of British Columbia.**
- 3. My academic qualifications are:**

B.Sc. and M.Sc., Queens University, Kingston, Ontario
Ph.D., Carleton University, Ottawa, Ontario
- 4. I have been engaged in geological work since graduation in 1966.**



Peter E. Fox, Ph.D., P. Eng.
Vancouver, B.C.
October 16, 1995

APPENDIX 1
Rock Sample Descriptions

BREWSTER PROPERTY
PROJECT NO. 251

ROCK SAMPLE DESCRIPTIONS AND GEOCHEMISTRY

Table 3

SAMPLE	TYPE	DESCRIPTION	Pb ppm	Zn ppm	Ag ppb	As ppm	Sb ppm	Au ppb
45621	GRAB	Lapilli tuff, 1/2-1% diss pyrite, silicified, iron stained on fracture surfaces.	10.9	104.1	76	6.7	0.2	5
45622	GRAB	Siliceous, grey, volcanic, fine grained pyrrhotite as stringers and pods diss through rock, pyrrhotite to 3%, tested with 10% HCL resulted in a yellowish-green halo, abundant angular boulders of material at sample site.	12.3	82.4	52	1.8	0.9	2
45623	GRAB	Grey-black argillite, 1/2-2% diss pyrrhotite +/- pyrite, siliceous with quartz and calcite veinlets.	4.6	55.1	92	5.6	0.2	1
45624	GRAB	Subcrop. Fine grained, grey, siliceous argillite, diss pyrrhotite to 3%, strongly calcareous, abundant iron staining on bedding and fracture surfaces.	9.8	79.4	182	84.3	1.4	1
45625	GRAB	Siliceous and strongly calcareous, grey, fine grained matrix, or lapilli tuff (mafic), both angular and subrounded fragments to 1 1/2cm, fragment supported, 3-5% fine grained diss pyrrhotite. Angular and rounded rocks in grey siliceous matrix.	8.2	63.5	58	21.4	0.7	1
45625	GRAB	Siliceous, weakly calcareous, grey, fine grained rock, 2-3% diss fine grained pyrrhotite, local angular and rounded fragments in grey siliceous matrix.	8.2	63.5	58	21.4	0.7	1
45626	GRAB	Siliceous, weakly calcareous, grey fine grained rock, 2-3% diss fine grained pyrrhotite, local angular and rounded fragments in grey siliceous matrix.	18.9	96.1	30	7.8	0.4	1
45627	GRAB	Weak to moderately siliceous argillite, 4-5% diss pyrrhotite and marcasite, jointed and fractured.	5.4	107.3	60	5.6	0.4	1
45628	GRAB	Subrounded, siliceous, medium grained intrusive, quartz and plagioclase, biotite and pyrrhotite rock is very weakly magnetic, possibly diabase.	11.3	91.9	101	9.7	0.2	6
45629	GRAB	Angular, fine grained, grey, weakly siliceous, minor propylitic alteration, 1% diss fine grained pyrite and as irregular pods.	6.6	40.6	30	8.2	0.2	2
45630	GRAB	Angular, fine grained, greenish grey volcanics with feldspathic, weak to moderate chlorite and epidote alteration, trace to 1% diss pyrite.	3.1	75.5	43	2.2	0.2	1
45631	GRAB	Fine grained greenish grey andesite, 1-2% diss pyrite, po, siliceous.	1.8	79.7	30	2.5	0.2	1
45632	GRAB	Fine to medium grained andesite porphyrite, quartz and calcite veins, trace diss pyrite in veins, abundant iron staining on fractures.	1.5	75.1	30	1.5	0.2	1
45633	GRAB	Andesite, grey-green, fine grained, moderately silicified, trace diss pyrite and po.	12	95.7	73	8.5	2.1	1
45634	GRAB	Angular, grey, siliceous porphyritic volcanic, plagioclase phenocrysts to 4mmx2mm, 2% diss very fine grained pyrrhotite.	6.5	76.7	59	1.9	0.2	1
45635	GRAB	Subrounded, sample taken in area of 23ppb Au till anomaly, fine grained, grey-brown, siliceous rock, possibly volcanic, 1-2% diss po, <1% diss pyrite in clasts.	19.8	144	121	7.4	0.2	3
45636	GRAB	5 subrounded quartz and calcite boulders over a 10mx10m area, varies from grey to white, minor calcite, trace diss pyrite.	32.8	17.1	30	88.4	6.8	27
45637	GRAB	Subangular-subrounded, rusty conglomerate boulder with quartz-calcite cementing, cobbles up to 10-15cm and are rounded, clast supported.	1.8	82	52	4.9	0.2	1
45638	GRAB	Subangular, silica calcite flooded, grey, very fine grained porphyritic rock, phenocrysts of quartz, 1% diss, very fine grained po and pyrite.	3.9	95.3	108	20.2	1	1
45639	GRAB	Subrounded, grey, fine grained quartz and calcite boulder, 1% diss fine grained sulphide, looks like pyrite +/- po.	11.3	42.7	69	10.4	0.4	1
45640	GRAB	Subrounded, lapilli tuff, mottled grey-black fragments set in grey matrix, trace diss pyrite (fine grained) throughout.	4.4	47.8	248	10.3	0.4	1
45641	GRAB	Grey green siliceous flow breccia with trace to <1% diss pyrite, minor quartz-carbonate veining.	5.5	90.7	62	6.2	0.3	1
45642	GRAB	Subangular, grey, fine grained, siliceous rock with 4-5% diss po +/- pyrite.	8.2	76.1	83	5.1	5.2	1
45643	GRAB	Iron stained sandy, cobblestone chert clasts, rounded, <1% diss pyrite.	10	47.8	41	24.2	0.8	3
45644	GRAB	Subcrop. Iron stained chert breccia (?), 1% diss sulphide.	7.8	23.3	44	96.2	2.3	4
45645	GRAB	Subcrop, iron stained, conglomerate (?), rock is fractured, chert cobbles, 1% diss sulphide.	12.3	64.1	33	15.7	0.6	6

SAMPLE	TYPE	DESCRIPTION	Pb ppm	Zn ppm	Ag ppb	As ppm	Sb ppm	Au ppb
45646	GRAB	Subcrop. Chert pebble conglomerate, brecciated, fractures are iron stained, diss pyrite to 1% throughout rock matrix, rock is crumbly.	13	60.3	74	21.5	1.1	6
45647	GRAB	Subcrop, greyish green, fine grained andesite, rock is brecciated with fractures infilled with quartz and calcite (siderite), trace diss pyrite in fracture filling, rock is moderately propylitic.	23.8	78	80	1.7	1.2	2
45648	GRAB	Subcrop, fine grained brecciated andesite, grey-green, quartz and calcite veining and fracture fill, <1% diss pyrite.	9	95.8	157	6.7	1.7	2
45649	GRAB	Subrounded, light grey, fine grained, schistose (?) rock, chlorite +/- epidote streaks and clasts, 4-5% diss silver coloured mineral (non-magnetic) 1% diss pyrite.	6.5	36.3	141	4.4	0.3	1
45650	GRAB	Subangular, fine to medium grained, grey silica flooded rock, starting to pick up biotite, very coarse po, to 8% trace diss pyrite.	2.1	50.9	59	2.9	0.2	2
45651	GRAB	Angular, siliceous, porphyritic basalt, 2-3% diss po, +/- pyrite, fine grained, iron stained on fractures.	9.7	147.9	218	4.6	0.4	39
45652	GRAB	Subcrop, quartz vein material in siltstone, trace diss pyrite.	2.1	69.8	77	5.8	0.2	2
45653	GRAB	Angular, dark grey-black volcanic with diss sulphide to 4%, very siliceous rock.	8	472.3	359	5.7	0.8	41
45654	GRAB	Angular, greyish green siliceous siltstone (?), 3-4% diss pyrite, fine grained and as film on fracture surfaces.	9	87.6	95	31.2	0.4	1
45655	GRAB	Light mottled green white lapilli tuff, trace diss pyrite as cubes.	2.7	92.9	51	11.2	0.2	1
45656	GRAB	Grey, locally siliceous siltstone, minor interbeds of argillite, 1% stringers of sulphide.	3.2	129.2	67	16.1	0.4	1
45657	GRAB	Subcrop, top of knoll, angular material scattered over top, silica flooded argillite/siltstone, 1-2% diss pyrite.	7.6	58.5	39	5.9	0.2	1
45658	GRAB	Subcrop, grey siliceous volcanic (?), iron stained on fracture surfaces, quartz-calcite veining, sample of quartz vein.	3.9	68	30	4.4	0.2	1
45659	GRAB	Subcrop, siltstone breccia, quartz and calcite cement, fragments have 3-4% diss fine grained po, trace diss pyrite, rock is vuggy.	4.7	109.7	38	5.3	0.5	1
45660	GRAB	Angular, silicified argillite, trace diss very fine grained pyrite.	12.3	65.4	62	17	1.2	2
45661	GRAB	Subcrop, siliceous fine to medium grained intrusive, weakly magnetic, 1-2% diss po, rock is altered.	4.7	116.4	47	6.2	0.4	2
45662	GRAB	Angular, mottled white-red volcanic breccia, trace diss pyrite.	3.9	54.3	30	8.6	1.1	4
45663	GRAB	Subangular, argillitically altered volcanic breccia, <1% diss pyrite.	3.6	59.9	30	6.2	0.2	2
48999	GRAB	Angular, close to source, aphanitic, grey silica + calcareous flooding throughout rock, local boulders have quartz and calcite veining, 3-4% diss pyrrhotite rock is weak to moderately magnetic.	10.1	87.4	115	16	0.2	1
49000	GRAB	Subcrop, siliceous, grey, volcanic tuff, 1-2% diss pyrite, micro breccia.	6.2	108.2	30	6.5	0.2	1
51528	GRAB	Subcrop (?), road cut with 2 types of rubble. Clean diabase (dyke) and an altered volcanic (?) Calcareous with up to 5% sulphides. Pyrrhotite and possibly asp and pyrite. O/C of tuffs in area.	6.6	65.7	37	10.7	0.2	3
51529	GRAB	Mafic volcanic with minor pyrrhotite and pyrite. Jointing 50/80 NW.	9.6	84.7	30	12.1	0.7	2
51530	GRAB	Bluish volcanic, weakly calcareous, 2-3% pyrrhotite and pyrite. Fracturing at 50/perpendicular. Two other o/c's of same rock with 25m have <1%, no sulphides.	12.5	109.4	30	9.4	1.2	1
51531	GRAB	Sharpstone with mix of rounded and angular fragments. Non-magnetic, slightly calcareous, unmineralized, fracturing 55/72 NW.	10.7	105.3	30	8.4	0.5	2
51532	GRAB	South end of o/c, approx. 8m in length, mineralized, finely diss pyrrhotite, same rock as at 51531.	11.6	105.1	64	40.3	0.9	2
51533	GRAB	Slightly rusty rounded rocks found in uprooted tree, weakly calcareous volcanic.	2	78.3	50	6.7	0.3	1
51534	GRAB	Slightly chloritic andesite, more like a greenstone with calcite, unmineralized.	1	47	30	9.8	0.2	1

SAMPLE	TYPE	DESCRIPTION	Pb ppm	Zn ppm	Ag ppb	As ppm	Sb ppm	Au ppb
51535	GRAB	Bluish andesite with disseminated pyrrhotite, similar to 51528. Angular pieces in uprooted tree approx 50m E of hb porphyry diabase dyke. Slightly calcareous.	1.7	82.9	50	2	0.5	3
51536	GRAB	Round rusty rock of pyrrhotite volcanic, at location of anomalous till sample, 23ppm Au.	3.9	57.8	30	17.7	0.8	3
51537	GRAB	Rusty rock, bluish altered andesite with diss pyrrhotite, not calcareous.	12.3	72.5	30	59.5	0.9	3
51538	GRAB	Boulder of conglomerate, bluish andesite, 2-3% diss pyrrhotite, strongly calcareous.	6.3	85.4	30	7.8	0.6	2
51539	GRAB	Volcanic debris flow, clasts up to 20cm long, minor pyrrhotite, calcareous.	4.3	79.5	30	4.2	0.2	3
51540	GRAB	O/C, Green andesite, few stringers of calcite, stringers trend north-south, no visible mineralization.	3.2	87.9	30	2.9	0.5	2
51541	GRAB	Quartz-carbonate breccia, small blebs of pyrite, locally abundant.	5.4	60	97	19.8	1.2	4
51542	GRAB	Matrix supported conglomerate, larger round clasts, smaller angular clasts, diss pyrrhotite.	3.9	94.3	455	5	0.6	12
51543	GRAB	Subcrop (?), angular, altered andesite, bluish, calcareous +/- 4% diss pyrrhotite (?), non-magnetic.	3.3	36.4	135	6.3	1.4	3
51544	GRAB	Subangular, Silicified (?), fine grained, off white, with 1-2% pyrite and asp.	5.8	12.7	524	8.8	2	15
51545	GRAB	Subcrop (?), angular, silicified siltstone, fine diss pyrrhotite, 157/29SVV. Another subcropping of siltstone 20m to SE.	4.5	88.5	43	6.5	1.8	2
51546	GRAB	Angular, rusty argillites in soil.	4.3	127.1	62	0.5	0.7	6
51547	GRAB	O/C along bank cut. Andesite, 3-4% pyrrhotite and pyrite.	1.8	76.8	30	0.5	0.3	7
51548	GRAB	Sub-angular, flow breccia, rusty weathering, no visible sulphide.	5.5	60.8	217	0.5	1.7	5
51549	GRAB	Subcrop (?), angular blocks and rubble of argillite and siltstone, some silicified, on top and running for approx. 75m to SE, abundant medium-grained diabase ending in an o/c of same.	5.9	55.8	139	3.2	1.3	4
51550	GRAB	Rusty argillite breccia, trace pyrite/pyrrhotite.	7.9	86.7	408	10.1	3.4	2

APPENDIX 2
ANALYTICAL METHOD

ANALYTICAL METHOD

ICP: A 30 gram sample is digested with 180 ml 3-1-2- HCl-HNO₃-H₂O at 95° Centigrade for one hour and is diluted to 100 ml with water. This leach is partial for Mn, Fe, Sr, Ca, P, La, Cr, Mg, Ba, Ti, B, W and limited for Na, K, Ga and Al. The solution is analyzed directly by ICP. Mo, Cu, Pb, An, Ag, As, Au, Cd, Sb, Bi, Tl, Hg, Se, Te and Ga are extracted with MIBK-aliquat 336 and analysed by ICP.

Au+ Aqua-regia/MIBK extract, GF/AA finished.

APPENDIX 3
ROCK GEOCHEMICAL ANALYSES



GEOCHEMICAL EXTRACTION-ANALYSIS CERTIFICATE



Phelps Dodge Corp. PROJECT 251 File # 95-2157 Page 1

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

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Se	Te	Ga	Au+
	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	ppb
45621	1.4	58.0	10.9	104.1	76	6	8	794	5.75	6.7	<5	2	20	.09	.2	.3	90	2.10	.100	8	3	2.49	38	.26	7	3.89	.08	.05	<2	<.1	38	<.3	.4	12.5	5
45622	2.2	89.9	12.3	82.4	52	<1	9	933	4.86	1.8	<5	1	46	.16	.9	<.1	61	2.44	.098	5	3	1.82	150	.25	3	2.45	.10	.31	<2	<.1	27	<.3	.1	6.0	2
45623	1.8	20.3	4.6	55.1	92	6	1	1870	1.85	5.6	<5	<1	212	.78	<.2	.3	10	22.86	.024	7	4	.79	36	.02	<2	.74	.02	.07	<2	.1	9	.4	.1	1.3	1
45624	3.6	176.0	9.8	79.4	182	10	15	1174	5.79	84.3	<5	1	48	.60	1.4	.1	86	3.12	.083	6	3	1.73	40	.28	3	2.13	.08	.12	<2	<.1	26	1.0	.1	9.0	<1
45625	1.6	36.6	8.2	63.5	58	6	6	2222	3.64	21.4	<5	2	68	.11	.7	.3	67	14.74	.082	5	2	1.65	15	.11	2	1.44	.03	.06	<2	<.1	17	<.3	.5	10.1	<1
45626	3.2	31.2	18.9	96.1	<30	5	10	1137	4.34	7.8	<5	2	21	.12	.4	.1	63	1.72	.108	8	4	1.00	72	.23	7	2.16	.15	.11	2	<.1	16	<.3	.4	11.4	<1
45627	8.0	63.2	5.4	107.3	60	24	17	1126	4.46	5.6	<5	<1	22	.33	.4	.2	78	.94	.080	5	41	1.69	47	.17	5	1.89	.06	.09	<2	.1	21	.3	<.1	6.9	<1
45628	4.1	85.5	11.3	91.9	101	17	21	1242	5.38	9.7	<5	1	14	.14	<.2	.3	118	.41	.055	3	11	1.27	63	.27	7	2.23	.11	1.09	<2	.2	13	1.9	.6	10.4	6
45629	7.1	38.8	6.6	40.6	<30	6	4	351	2.20	8.2	<5	2	10	.13	<.2	.1	60	.64	.070	6	4	.42	99	.10	<2	1.04	.24	.29	<2	<.1	7	<.3	.2	5.2	2
RE 45629	7.8	38.8	7.8	44.9	30	4	5	365	2.36	8.5	<5	2	11	.16	<.2	.1	64	.69	.075	6	4	.46	106	.10	<2	1.09	.23	.31	2	<.1	<5	<.3	.2	5.5	<1
RRE 45629	7.2	37.7	6.8	43.6	42	4	6	356	2.26	8.8	<5	2	11	.14	<.2	.1	61	.66	.070	6	5	.44	97	.11	<2	1.06	.23	.30	<2	<.1	<5	.3	.4	5.9	1
45630	1.8	34.5	3.1	75.5	43	7	13	862	3.57	2.2	<5	1	65	.13	<.2	.1	94	1.11	.066	5	6	1.73	448	.25	3	2.48	.14	.85	<2	<.1	8	<.3	<.1	8.2	<1
45631	.8	73.3	1.8	79.7	<30	4	24	887	6.03	2.5	<5	<1	74	.21	<.2	<.1	200	2.45	.037	1	1	3.71	285	.37	9	4.63	.16	.57	<2	.1	10	.4	<.1	20.8	<1
45632	.9	68.3	1.5	75.1	<30	1	19	779	5.20	1.5	<5	<1	41	.11	<.2	.1	134	.94	.072	2	3	2.39	80	.30	2	3.16	.13	.14	<2	<.1	8	<.3	.2	12.5	<1
45633	2.3	25.5	12.0	95.7	73	26	12	429	3.04	8.5	<5	<1	46	.25	2.1	.2	69	1.02	.093	16	30	1.49	83	.04	4	1.93	.17	.13	<2	<.1	<5	.8	.5	14.3	<1
45634	1.5	65.5	6.5	76.7	59	5	24	861	5.55	1.9	<5	1	27	.21	<.2	.3	179	1.46	.042	4	4	2.00	85	.24	<2	2.31	.20	.28	<2	.1	33	.8	<.1	18.8	<1
45635	1.5	37.4	19.8	144.0	121	7	6	1250	4.02	7.4	<5	<1	13	.10	<.2	.2	124	.28	.097	4	4	2.80	563	.21	<2	3.73	.12	1.85	<2	.2	20	.3	.4	16.6	3
45636	2.6	5.3	32.8	17.1	<30	1	<1	176	.53	88.4	<5	4	4	.11	6.8	.2	3	.04	.007	17	6	.02	50	.01	3	.31	.02	.18	2	<.1	6	.3	<.1	<.5	27
45637	2.8	107.2	1.8	82.0	52	7	12	867	3.37	4.9	<5	1	33	.17	<.2	<.1	112	3.67	.063	4	4	1.20	116	.32	3	2.18	.30	.79	<2	.2	13	<.3	.3	9.9	1
45638	2.2	74.7	3.9	95.3	108	26	20	1371	5.75	20.2	<5	1	100	.37	1.0	.2	59	1.98	.153	13	8	1.66	574	.02	2	2.26	.16	.25	<2	<.1	25	<.3	<.1	11.6	1
RE 45638	2.2	74.6	3.9	95.2	117	27	19	1354	5.70	18.9	<5	1	99	.37	.9	<.1	58	1.95	.151	13	7	1.64	566	.02	5	2.23	.16	.24	<2	<.1	20	<.3	.3	11.2	<1
RRE 45638	2.1	75.5	4.0	96.1	129	25	19	1371	5.75	18.9	<5	1	100	.36	1.1	<.1	58	1.97	.150	13	8	1.66	571	.02	2	2.26	.16	.24	<2	<.1	17	.4	.3	10.7	1
45639	2.2	30.6	11.3	42.7	69	7	4	315	1.88	10.4	<5	2	39	.13	.4	<.1	13	.96	.023	6	4	.77	264	.09	6	1.48	.07	.27	<2	<.1	9	<.3	.6	2.1	1
45640	2.9	26.2	4.4	47.8	248	24	3	170	2.05	10.3	<5	1	13	.37	.4	.3	20	.15	.025	10	26	.44	177	<.01	4	.98	.01	.09	<2	<.1	10	.5	.2	3.4	1
45641	1.3	50.5	5.5	90.7	62	5	10	1154	4.01	6.2	<5	1	33	.15	.3	.3	98	1.56	.094	13	8	1.92	116	.08	6	2.15	.09	.09	<2	<.1	86	1.0	.5	15.3	1
45642	2.2	106.2	8.2	76.1	83	5	14	1169	5.20	5.1	<5	1	50	.17	5.2	<.1	67	2.19	.113	8	1	1.49	73	.17	5	1.93	.10	.19	<2	<.1	12	.5	.3	7.4	<1
45643	2.2	43.4	10.0	47.8	41	4	4	483	3.45	24.2	<5	1	119	.07	.8	.5	87	1.44	.052	5	5	.80	56	.24	5	3.05	.02	.07	<2	<.1	77	.9	.8	16.6	3
45644	7.9	38.0	7.8	23.3	44	12	14	251	2.62	96.2	<5	<1	21	.53	2.3	.2	41	.18	.051	7	6	.22	90	.02	4	.68	.08	.11	<2	.6	312	<.3	.4	3.8	4
45645	2.9	49.2	12.3	64.1	33	4	4	429	3.76	15.7	<5	1	122	.10	.6	.1	88	1.22	.065	6	5	.65	104	.24	5	2.82	.04	.12	<2	.1	88	1.2	.1	10.0	6
45646	2.5	51.3	13.0	60.3	74	4	5	416	3.81	21.5	<5	1	68	.07	1.1	.1	71	.62	.056	4	4	.61	114	.28	2	2.16	.03	.15	<2	.1	103	1.3	.4	10.3	6
45647	.6	73.5	23.8	78.0	80	15	14	980	5.68	1.7	<5	1	300	.19	1.2	.2	84	7.77	.081	9	12	2.61	1644	.01	<2	1.69	.03	.10	<2	<.1	119	.4	.3	7.2	2
45648	1.1	268.9	9.0	95.8	157	23	18	913	5.08	6.7	<5	1	41	.28	1.7	.1	152	3.20	.111	4	13	2.33	138	.23	8	2.82	.08	.43	<2	<.1	45	.3	.3	17.1	2
45649	2.1	38.0	6.5	36.3	141	5	7	347	4.20	4.4	<5	1	38	.06	.3	.4	27	.13	.097	4	4	1.31	39	.02	2	1.47	.05	.54	<2	<.1	23	2.5	.9	5.4	1
45650	3.4	25.6	2.1	50.9	59	8	10	210	2.93	2.9	<5	1	16	.09	.2	.7	198	.19	.057	5	7	.45	132	.16	3	1.51	.06	.76	<2	.4	5	.8	1.5	10.2	2
STANDARD	22.8	121.4	95.7	280.3	1913	27	13	937	4.10	74.2	20	18	54	2.26	9.0	20.4	65	.70	.090	18	51	1.15	238	.14	24	2.40	.04	.77	19	2.1	472	1.0	2.0	6.5	533

Standard is STANDARD D/AU-R.

ICP - 30 GRAM SAMPLE IS DIGESTED WITH 180 ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 100 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K GA AND AL. SOLUTION ANALYSED DIRECTLY BY ICP. MO CU PB ZN AG AS AU CD SB BI TL HG SE TE AND GA ARE EXTRACTED WITH MIBK-ALIQUAT 336 AND ANALYSED BY ICP.

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

DATE RECEIVED: JUL 6 1995 DATE REPORT MAILED: July 20/95 SIGNED BY: [Signature] D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
45651	2.5	74.5	9.7	147.9	218	5	14	935	4.49	4.6	<5	1	53	.38	.4	.2	145	.92	.099	6	5	1.54	222	.37	4	2.70	.29	1.60	3	.4	43	<.3	<.1	9.5	39
45652	3.3	12.4	2.1	69.8	77	40	4	854	3.85	5.8	<5	1	65	.17	.2	<.1	11	.68	.015	2	20	.38	107	.01	5	.25	.01	.07	2	<.1	96	.7	.5	<.5	2
45653	1.0	106.5	8.0	472.3	359	11	20	1645	5.10	5.7	<5	1	40	2.10	.8	.1	186	1.32	.066	2	7	2.15	117	.35	5	3.11	.25	1.75	<2	.1	37	.4	<.1	9.2	41
45654	4.1	251.5	9.0	87.6	95	2	18	704	6.69	31.2	<5	2	52	.26	.4	.1	72	1.16	.182	6	2	1.55	40	.33	7	2.45	.11	.17	3	<.1	49	2.5	.4	5.2	1
45655	1.0	79.9	2.7	92.9	51	4	11	1117	4.64	11.2	<5	3	50	.08	<.2	.1	120	2.26	.105	13	8	1.84	98	.18	6	2.85	.12	.08	3	<.1	18	.6	.4	9.2	1
45656	3.5	23.7	3.2	129.2	67	2	4	623	5.74	16.1	<5	6	38	.06	.4	.1	49	.85	.198	28	1	2.06	119	.02	6	3.34	.09	.16	2	<.1	13	.3	.3	10.6	<1
45657	2.5	22.0	7.6	58.5	39	<1	3	415	2.21	5.9	<5	2	13	.13	.2	.1	12	.45	.033	5	3	.94	136	.02	7	1.68	.02	.29	3	<.1	6	.8	<.1	2.0	1
45658	1.0	42.6	3.9	68.0	<30	6	8	1161	4.39	4.4	<5	2	99	.08	.2	.1	75	10.36	.085	4	2	2.17	150	.19	6	2.06	.06	.05	2	<.1	11	<.3	<.1	5.3	1
45659	4.8	125.6	4.7	109.7	38	1	14	1052	5.92	5.3	<5	2	24	.19	.5	.1	184	1.05	.101	6	2	3.36	81	.30	6	3.43	.10	.07	3	.1	16	1.2	.1	13.4	<1
45660	3.2	11.2	12.3	65.4	62	4	2	391	1.32	17.0	<5	5	43	.66	1.2	.1	3	1.42	.018	21	6	.11	188	<.01	4	.46	.02	.23	<2	.1	11	<.3	.1	<.5	2
45661	2.0	22.9	4.7	116.4	47	21	10	476	2.82	6.2	<5	<1	77	.48	.4	.1	57	1.18	.138	17	22	1.39	363	.04	<2	1.67	.08	.19	<2	<.1	16	<.3	<.1	8.7	2
45662	3.0	44.6	3.9	54.3	30	3	7	329	3.55	8.6	<5	1	48	.06	1.1	<.1	110	.60	.060	4	8	.86	346	.28	3	1.86	.19	.64	4	<.1	13	.8	<.1	7.1	4
RE 45662	3.1	47.2	3.8	50.2	46	5	7	313	3.40	8.7	<5	1	44	.04	1.3	<.1	104	.55	.056	4	8	.82	319	.26	2	1.73	.17	.60	3	.1	13	.6	<.1	7.3	2
45662	3.0	43.7	3.8	53.6	82	6	6	319	3.49	9.2	<5	1	47	.05	1.3	.1	108	.58	.060	4	8	.84	342	.27	2	1.83	.20	.63	3	.2	14	.5	.3	7.2	3
45663	2.7	72.9	3.6	59.9	<30	7	15	754	4.08	6.2	<5	1	38	.11	.2	.1	105	1.54	.066	4	7	1.02	110	.26	6	1.60	.14	.81	3	.1	13	.9	.1	5.9	2
48999	1.2	95.5	10.1	87.4	115	<1	10	1677	5.38	16.0	<5	2	148	.19	.2	.2	92	7.56	.129	7	2	2.46	119	.24	7	3.94	.34	.21	2	<.1	9	.6	<.1	14.1	<1
49000	.8	69.6	6.2	108.2	<30	<1	15	1292	6.05	6.5	5	2	21	.16	<.2	<.1	116	3.09	.110	8	3	2.56	17	.23	3	3.90	.09	.07	2	<.1	14	.5	<.1	14.6	1
51528	1.0	56.3	6.6	65.7	37	<1	11	1981	4.50	10.7	<5	2	153	.18	.2	.4	78	9.59	.105	5	4	1.96	121	.18	2	3.10	.31	.32	3	.1	<5	.6	<.1	8.0	3
51529	1.2	77.6	9.6	84.7	<30	13	22	739	6.00	12.1	<5	1	189	.14	.7	.2	236	4.94	.066	2	15	2.19	131	.22	11	4.97	.67	.20	2	.1	21	.3	<.1	12.7	2
51530	1.1	95.8	12.5	109.4	<30	<1	14	884	6.11	9.4	<5	2	48	.29	1.2	.1	94	1.41	.112	8	3	2.15	71	.21	5	3.01	.10	.11	4	<.1	14	.5	.3	12.8	1
51531	2.2	28.6	10.7	105.3	<30	2	9	1138	4.79	8.4	5	2	24	.09	.5	<.1	69	1.06	.100	6	4	1.14	81	.22	4	2.31	.10	.14	3	<.1	10	.3	.1	13.8	2
51532	2.0	76.6	11.6	105.1	64	<1	14	1060	5.16	40.3	5	2	19	.16	.9	<.1	126	1.02	.119	9	4	1.61	56	.22	8	2.46	.06	.13	3	.1	5	<.3	.3	13.3	2
51533	1.7	39.6	2.0	76.3	50	2	17	779	4.39	6.7	5	1	53	.11	.3	.4	135	2.31	.052	3	6	1.99	474	.35	4	2.86	.14	1.02	2	.4	6	<.3	<.1	9.7	<1
RE 51533	1.9	45.2	2.3	74.3	<30	1	15	755	4.24	6.0	<5	1	49	.13	.2	.3	130	2.22	.050	3	7	1.93	457	.33	3	2.72	.11	.98	2	.4	5	.7	<.1	10.1	1
RRE 51533	1.6	36.7	1.8	74.3	<30	4	17	749	4.22	7.3	<5	1	50	.11	.2	.3	130	2.19	.050	3	7	1.91	461	.33	<2	2.79	.12	1.02	<2	.6	<5	.8	.2	8.9	<1
51534	.7	47.2	1.0	47.0	<30	3	17	660	4.00	9.8	<5	1	48	.13	<.2	<.1	128	5.03	.022	1	7	2.74	44	.33	3	3.17	.12	.11	2	<.1	6	<.3	.1	9.2	1
51535	1.1	88.5	1.7	82.9	50	2	24	738	5.89	2.0	<5	1	19	.13	.5	.1	130	1.74	.041	2	3	2.71	15	.36	3	3.09	.09	.08	2	.1	<5	1.2	<.1	9.0	3
51536	3.7	61.1	3.9	57.6	<30	8	12	372	4.26	17.7	5	1	29	.23	.8	.3	119	.72	.073	3	8	.76	52	.22	2	1.83	.22	.71	2	.1	8	1.7	.2	7.8	3
51537	1.8	59.9	12.3	72.5	<30	2	10	852	4.60	59.5	7	2	24	.13	.9	<.1	64	.65	.129	9	3	1.34	151	.18	5	2.09	.07	.24	2	<.1	7	<.3	.2	7.4	3
51538	1.5	60.4	6.3	85.4	<30	2	10	1649	4.71	7.8	9	3	94	.09	.6	<.1	83	11.89	.091	11	2	2.71	158	.16	<2	2.24	.11	.11	<2	<.1	5	.7	<.1	11.5	2
51539	.9	35.9	4.3	79.5	<30	6	10	685	3.70	4.2	6	1	63	.13	.2	<.1	47	2.14	.062	12	5	1.11	155	<.01	4	1.82	.04	.23	2	.1	16	<.3	<.1	8.3	3
51540	1.2	55.4	3.2	87.9	<30	3	11	928	4.80	2.9	9	1	35	.10	.5	<.1	130	2.06	.098	9	2	1.63	216	.35	8	2.03	.16	.13	2	.2	35	.3	.3	15.8	2
51541	3.6	81.7	5.4	60.0	97	22	30	570	3.10	19.8	8	1	33	.64	1.2	<.1	90	1.12	.064	10	28	.70	87	.01	<2	1.33	.08	.10	2	.2	76	1.0	.2	7.8	4
51542	2.3	101.4	3.9	94.3	455	16	20	1709	5.23	5.0	9	1	36	.13	.6	.2	241	1.71	.058	2	17	2.37	102	.32	<2	3.20	.28	1.66	3	.8	17	1.5	.2	16.1	12
STANDARD	22.8	127.3	95.0	281.5	2020	29	13	949	4.14	77.9	18	19	54	2.39	9.5	20.1	66	.72	.088	17	50	1.18	234	.14	31	2.43	.05	.74	18	2.6	468	1.1	2.4	6.6	510

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



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
51543	13.6	128.8	3.3	36.4	135	174	50	489	4.90	6.3	<5	1	81	.27	1.4	<.1	62	5.49	.068	1	190	1.67	56	.15	<2	1.17	.03	.05	<2	.1	60	.7	.4	3.7	3
51544	4.1	11.9	5.8	12.7	524	6	1	366	1.61	8.8	<5	3	9	<.01	2.0	<.1	9	.20	.015	4	9	.43	37	.03	<2	.69	.08	.23	<2	.1	20	<.3	.5	2.4	15
51545	1.2	98.0	4.5	86.5	43	5	10	381	4.25	6.5	<5	2	28	.04	1.8	<.1	63	.64	.100	9	4	.81	103	.02	<2	1.66	.07	.07	<2	<.1	31	.4	<.1	5.2	2
51546	23.4	47.5	4.3	127.1	62	22	11	835	5.78	<.5	<5	1	10	.78	.7	<.1	74	.40	.067	5	13	2.05	54	.04	<2	2.65	.03	.11	<2	.3	40	1.6	.4	8.2	6
RE 51546	23.0	47.9	3.7	133.7	44	23	10	874	6.07	<.5	<5	1	11	.80	.2	<.1	77	.41	.070	6	14	2.15	56	.04	<2	2.80	.04	.12	<2	.3	30	1.5	.3	7.1	5
51547	1.7	79.5	1.6	76.8	<30	3	17	1166	5.31	<.5	<5	<1	14	.07	.3	<.1	98	1.06	.043	2	2	3.01	21	.29	2	2.74	.05	.04	<2	.1	25	<.3	.2	4.8	7
51548	2.1	40.1	5.5	60.8	217	36	7	364	1.73	<.5	<5	1	13	.59	1.7	<.1	14	.41	.026	9	20	.45	696	<.01	<2	.80	<.01	.08	<2	.2	<5	.9	<.1	1.2	5
51549	1.5	10.3	5.9	55.8	139	7	2	289	1.38	3.2	<5	1	47	.46	1.3	<.1	8	1.34	.019	10	6	.35	123	.04	21	1.93	.17	.25	<2	.2	<5	<.3	.1	4.0	4
51550	5.2	46.8	7.9	86.7	408	13	3	299	3.05	10.1	<5	1	12	.54	3.4	.4	85	.17	.044	10	21	.49	111	.07	<2	1.42	.04	.31	<2	.3	9	3.9	.2	4.6	2
STANDARD D/AU-R	22.8	118.3	87.7	274.3	1859	29	13	930	4.50	76.0	19	20	56	2.21	10.0	21.9	67	.69	.088	18	51	1.16	233	.14	27	2.35	.05	.76	18	2.4	477	1.0	2.0	7.0	500

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

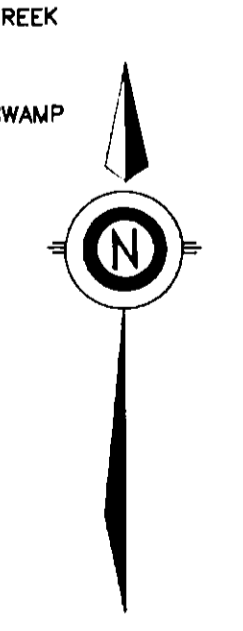


LEGEND

- UPPER CRETACEOUS OR EARLY TERTIARY
- DIORITE AND DIABASE DYKES
- LOWER CRETACEOUS
- IKa BLACK ARGILLITE, GRITTY ARGILLITE, MINOR SILTSTONE
- MIDDLE JURASSIC
- Nb BASALT AND ANDESITE FLOWS, DARK GREEN TO MAROON, LOCALLY PORPHYRITIC, CHARACTERIZED BY VITREOUS PYROXENE PHENOCRYSTS, LOCALLY ANHYDRAIDAL FLOWS
- Nq LAPILLI TUFF, ASH TUFF AND CRYSTAL TUFF, MAROON TO GREEN
- Ns ARGILLITE, SANDSTONE, CONGLOMERATE (SHARPSTONE), DARK GREEN TO TAN, RARE CHERT PEBBLE CONGLOMERATE, LOCALLY, FOSSILS IN ARGILLITE

SYMBOLS

- OUTCROP
- GEOLOGICAL CONTACT
- FAULT
- BEDDING (INCLINED)
- FLOW BANDING
- LAKE/POND
- HAUL ROAD
- SECONDARY ROAD
- CREEK
- SWAMP



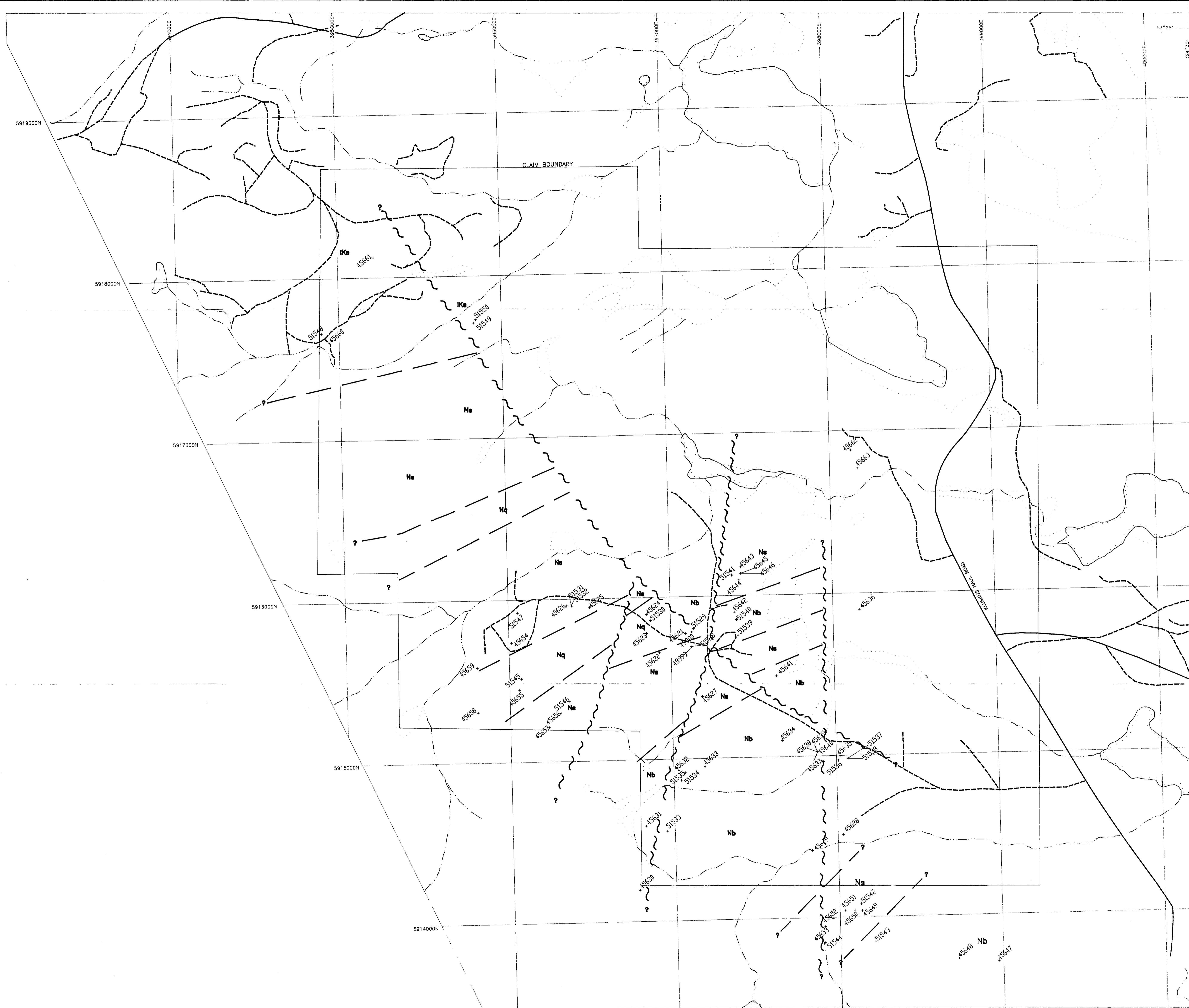
24,108

GEOLOGICAL BRANCH
ASSESSMENT REPORT

PHELPS DODGE CORP. CANADA LIMITED
PROJECT NO. 251 OMEGA MINING DIVISION

BREWSTER LAKE PROPERTY
PROPERTY GEOLOGY

SCALE	DATE	BY	NTS. NO.	FIGURE
1:10000	SEPT/95		93 F/7	4

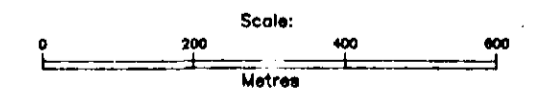
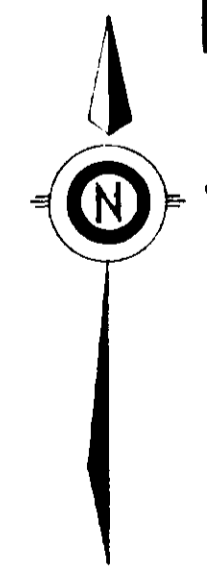


LEGEND

- UPPER CRETACEOUS OR EARLY TERTIARY
 - DIORITE AND DIABASE DYKES
- LOWER CRETACEOUS
 - IKa BLACK ARGILLITE, GRITTY ARGILLITE, MINOR SILTSTONE
- MIDDLE JURASSIC
 - Nb BASALT AND ANDESITE FLOWS, DARK GREEN TO MAROON, LOCALLY PORPHYRITIC, CHARACTERIZED BY VITREOUS PYROXENE PHENOCRYSTS, LOCALLY AMYGDALOIDAL FLOWS
 - Nq LAPILLI TUFF, ASH TUFF AND CRYSTAL TUFF, MAROON TO GREEN
 - Na ARGILLITE, SANDSTONE, CONGLOMERATE (SHARPSTONE), DARK GREEN TO TAN, RARE CHERT PEBBLE CONGLOMERATE, LOCALLY, FOSSILS IN ARGILLITE

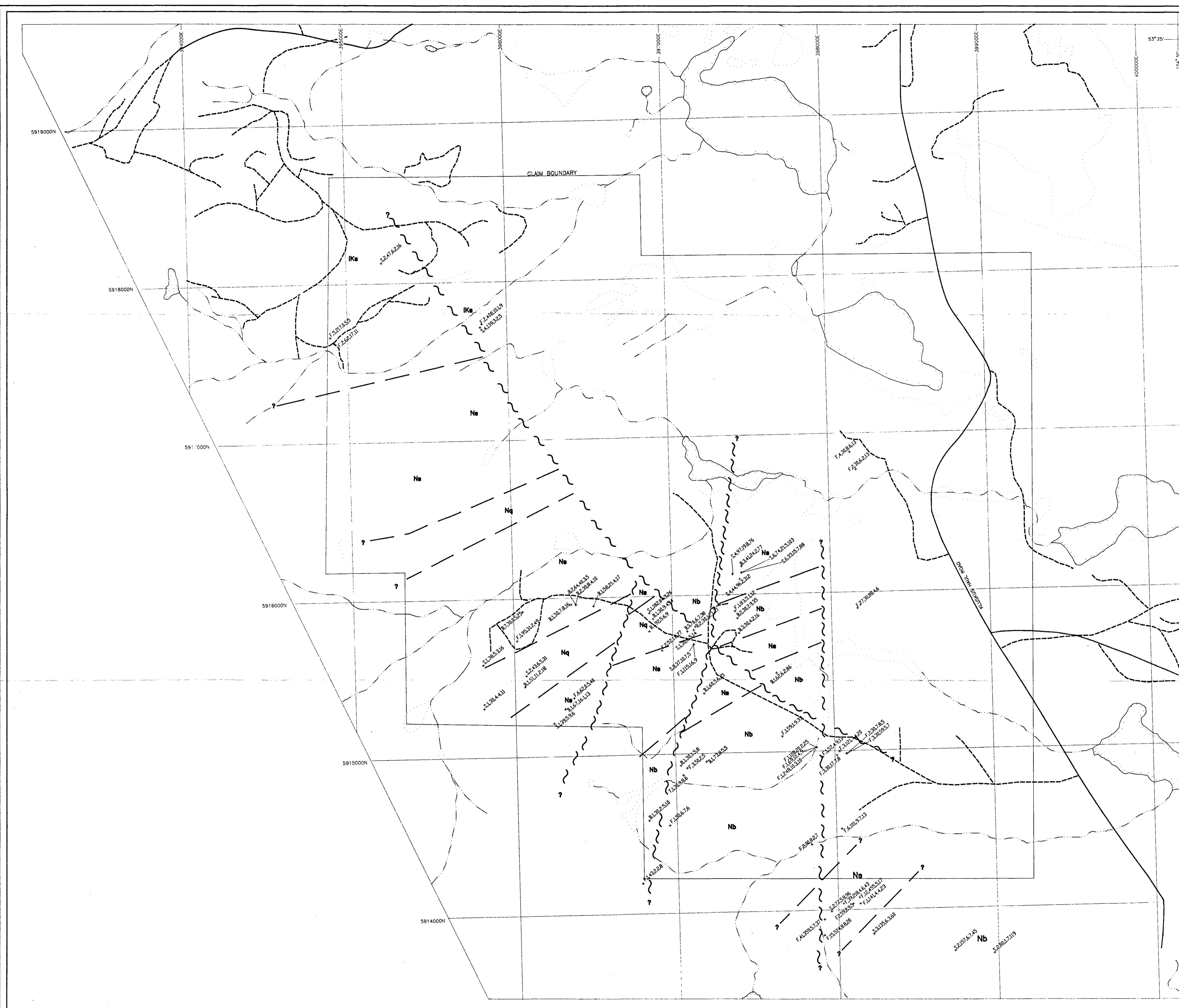
SYMBOLS

- ROCK SAMPLE SITE AND NUMBER
- OUTCROP
- GEOLOGICAL CONTACT
- FAULT
- BEDDING (INCLINED)
- FLOW BANDING
- LAKE/POND
- HAUL ROAD
- SECONDARY ROAD
- CREEK
- SWAMP



PHOENIX BRAND'S
 ASSESSMENT REPORT
 24,108

PHELPS DODGE CORP. CANADA LIMITED				
PROJECT NO. 251		QUINCY MINING DIVISION		
BREWSTER LAKE PROPERTY				
ROCK SAMPLE LOCATION MAP				
SCALE	DATE	BY	NTS. NO.	FIGURE
1:10000	SEPT/95		93 F/7	5
FOX GEOLOGICAL CONSULTANTS LIMITED				

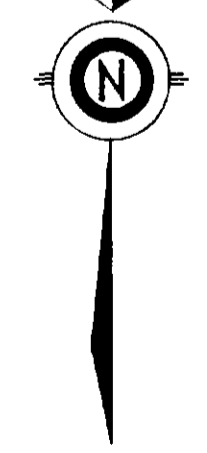


LEGEND

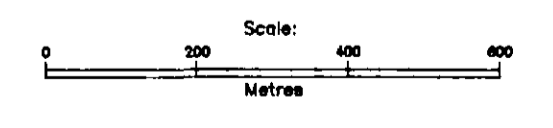
- UPPER CRETACEOUS OR EARLY TERTIARY
 - Diorite and Diabase Dykes
- LOWER CRETACEOUS
 - IKe BLACK ARGILLITE, GRITTY ARGILLITE, MINOR SILTSTONE
- MIDDLE JURASSIC
 - Nb BASALT AND ANDESITE FLOWS, DARK GREEN TO MAROON, LOCALLY PORPHYRITIC, CHARACTERIZED BY VITREOUS PYROXENE PHENOCRYSTS, LOCALLY AMYGDALOIDAL FLOWS
 - Nq LAPILLI TUFF, ASH TUFF AND CRYSTAL TUFF, MARGON TO GREEN
 - Ns ARGILLITE, SANDSTONE, CONGLOMERATE (SHARPSTONE), DARK GREEN TO TAN, RARE CHERT, PEBBLE CONGLOMERATE, LOCALLY, FOSSILS IN ARGILLITE

SYMBOLS

- + ROCK SAMPLE LOCATION F, Au(ppb), Ag(ppb), As(ppm), Hg(ppb)
- F - FLOAT
- B - BEDROCK
- S - SUBCROP
- T - TALUS
- OUTCROP
- GEOLOGICAL CONTACT
- FAULT
- BEDDING (INCLINED)
- FLOW BANDING
- LAKE/POND
- HAUL ROAD
- SECONDARY ROAD
- CREEK
- SWAMP



24,108
 GEOLOGICAL BRANCH
 ASSESSMENT REPORT



PHELPS DODGE CORP. CANADA LIMITED
 PROJECT NO. 231 OMEGA MINING DIVISION

BREWSTER LAKE PROPERTY
 ROCK GEOCHEMICAL RESULTS

SCALE	DATE	BY	NTS. NO.	FIGURE
1:10000	SEPT/95		93 F/7	6