ASSESSMENT REPORT

GEOLOGICAL AND SOIL GEOCHEMICAL REPORT

on the

CUTOFF PROPERTY
CUT 5 TO CUT 20 and CUT 23 Mineral Claims
PROJECT NO. 248

OMINECA MINING DIVISION
BRITISH COLUMBIA

NTS 93F/10
53° 30' North Latitude
125° 06' 30" West Longitude

by

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

FOX GEOLOGICAL SERVICES INC.
1409 - 409 Granville Street
Vancouver, B.C. V6C 1T8

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February 4, 1996

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SUMMARY

The Cutoff Property is located approximately 80 kilometres southwest of Vanderhoof in central British Columbia, on the Nechako Plateau. The property is accessible via the Kenney Dam road from Vanderhoof and a series of secondary roads provides access to the northern and southern areas of the property.

During June to October 1995, an exploration program consisting of soil sampling, geological mapping, prospecting and rock sampling was conducted on the property. This report describes the results of work carried out on the Cut 5 to Cut 20 and Cut 23 claims.

The Property is situated within the Intermontaine Belt, near the eastern margin of the Stikinia Terrane. The claims are underlain in the northeast by Upper Jurassic Hazelton Group felsic to intermediate volcanic rocks, centrally by Upper Cretaceous Kasalka Group andesites and volcanic derived sediments, in the southwest by Eocene Ootsa Lake Group felsic volcanic rocks and associated volcanic derived sediments, and in the northwest by Eocene Endako Group basalt and sediments. These units generally trend north-easterly with a shallow dip to the west.

Soil sampling has outlined a gold soil anomaly some 1,800 metres long extending to the northeast through the Little Quartz Lake area. This area is underlain by Ootsa Lake Group quartz phyric rhyolite which has been brecciated along a northeast trending fault structure. The fault structure has been infilled with quartz-chalcedony and locally strong concentrations of disseminated pyrite and arsenopyrite. Gold values from angular float samples of this material contain up to 1,684ppb Au and 7,679ppb Ag. Anomalous gold, arsenic and mercury values in soils suggests a second parallel fault structure located some 350 metres to the east.

In the Lalinear area is a broad north-easterly trending coincident arsenic-mercury soil anomaly in which there are local spot high gold values (up to 99ppb Au) in soils. This anomaly is underlain by fractured and propylitically altered feldspar porphyritic andesite belonging to the Kasalka Group. Locally the andesite is fractured with fractures infilled with quartz-carbonate and trace to 1% disseminated pyrite and chalcopyrite. Gold values range up to 295ppb Au and copper values up to 5,098.5ppm Cu.

Mineralization within the Stubb Bay area occurs along a structurally controlled valley which trends north-northeasterly from Stubb Bay on Knewstubb Lake in the south to the Trout showing in the north. Rocks within the valley are moderately to intensely propylitized, silicified and locally pyritic Kasalka Group volcanic rocks and volcanoclastic sediments with quartz veins, stringers, stockworks and quartz breccia structures which are up to 3 metres wide. Gold values within this structurally deformed sequence are up to 4.5 gpt Au.

Prospecting and mapping east of Stubb Bay located intensely silicified and locally brecciated andesite. Anomalous gold and silver values are present in rock samples, up to 321ppb and 5,762ppb respectively. The best outcrop sample contains 143ppb gold. Gold and silver are also anomalous in soil samples, in a north-easterly trending area along the east shore of Stubb Bay, within and east of the Stubb Bay showings.

INTRODUCTION

A program of geological mapping, prospecting, rock sampling and soil sampling was conducted on the Cut 5 to Cut 20 and Cut 23 claims between June 5 and October 24, 1995. The pre-1995 grid was extended to facilitate the search for extensions of exposed mineralization from the Stubb Bay showing and highly anomalous gold values in soils in an area believed underlain by Ootsa Lake Group felsic volcanic rocks.

LOCATION, ACCESS and PHYSIOGRAPHY

The Cutoff Property is located approximately 80 kilometres southwest of Vanderhoof in central British Columbia. It is situated on the Nechako Plateau, part of the Interior Plateau of the Canadian Cordillera, between Knewstubb Lake and the Nechako River. The Cutoff property is centred at 53° 40 north latitude and 124° 52' west longitude see Figure 1.

Access to the property is obtained by travelling southwest from Vanderhoof along the Kenney Dam Road to kilometre 92 and then east on the 500 Forest Service Road (FSR) which trends easterly through the southern part of the claims. A series of secondary roads provides good access to the northern and southern portions of the property.

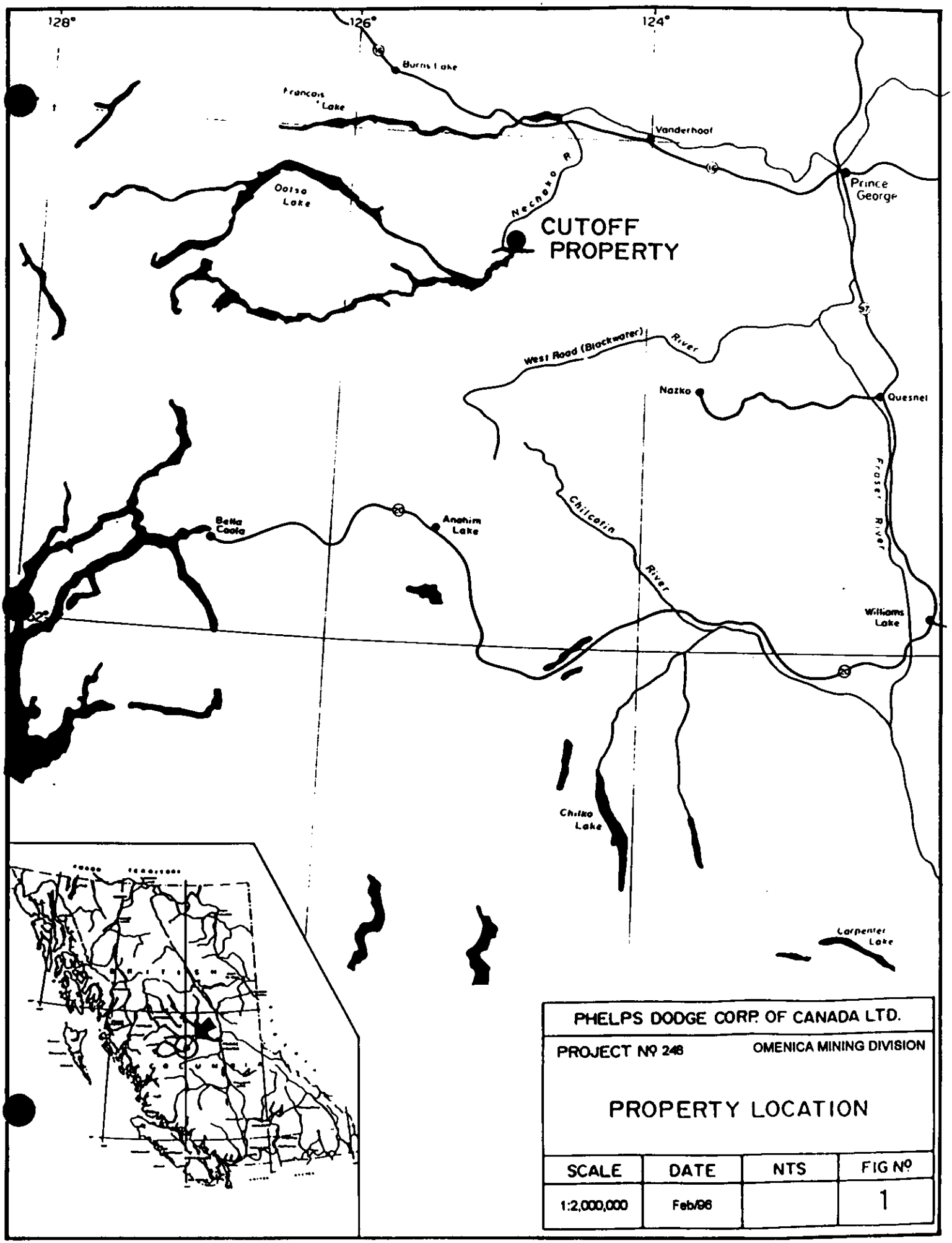
Topography is gentle, with isolated low-lying hills dissected by northeast trending drainages of Cutoff and Swanson Creeks and numerous subsidiary creeks. Several small lakes are present and swampy ground is common. Elevations range from approximately 850 metres along major drainages and the shoreline of Knewstubb Lake to a high of 1,070 metres on the northern slope of Cutoff Butte.

CLAIM INFORMATION

The Cutoff Property consists of twenty-three modified grid claims, totalling 383 units, recorded in the Omineca Mining Division and shown on NTS map sheet 93F/10 (Figure 2). The claims are currently under option from Cogema Resources Inc. Claims details are set out below. Expiry dates tabulated below assume that current work is accepted for assessment purposes.

Table 1 CLAIMS DATA

Claim Name	Record No.	Units	Years	Expiry Date
Cut 1	313251	20	0	Sept. 4, 1997
Cut 2	313252	20	0	Sept. 4, 1997
Cut 3	313253	15	0	Sept. 4, 1997
Cut 4	313828	20	0	Sept. 25, 1997
Cut 5	315029	16	1	Dec. 3, 1997
Cut 6	314671	15	1	Nov. 13, 1997
Cut 7	314672	16	1	Nov. 13, 1997
Cut 8	314673	18	1	Nov. 14, 1997
Cut 9	314674	18	1	Nov. 7, 1997
Cut 10	314675	9	2	Nov. 6, 1998



PHELPS DODGE CORP. OF CANADA LTD.			
PROJECT Nº 246	OMENICA MINING DIVISION		
PROPERTY LOCATION			
SCALE	DATE	NTS	FIG Nº
1:2,000,000	Feb/96		1

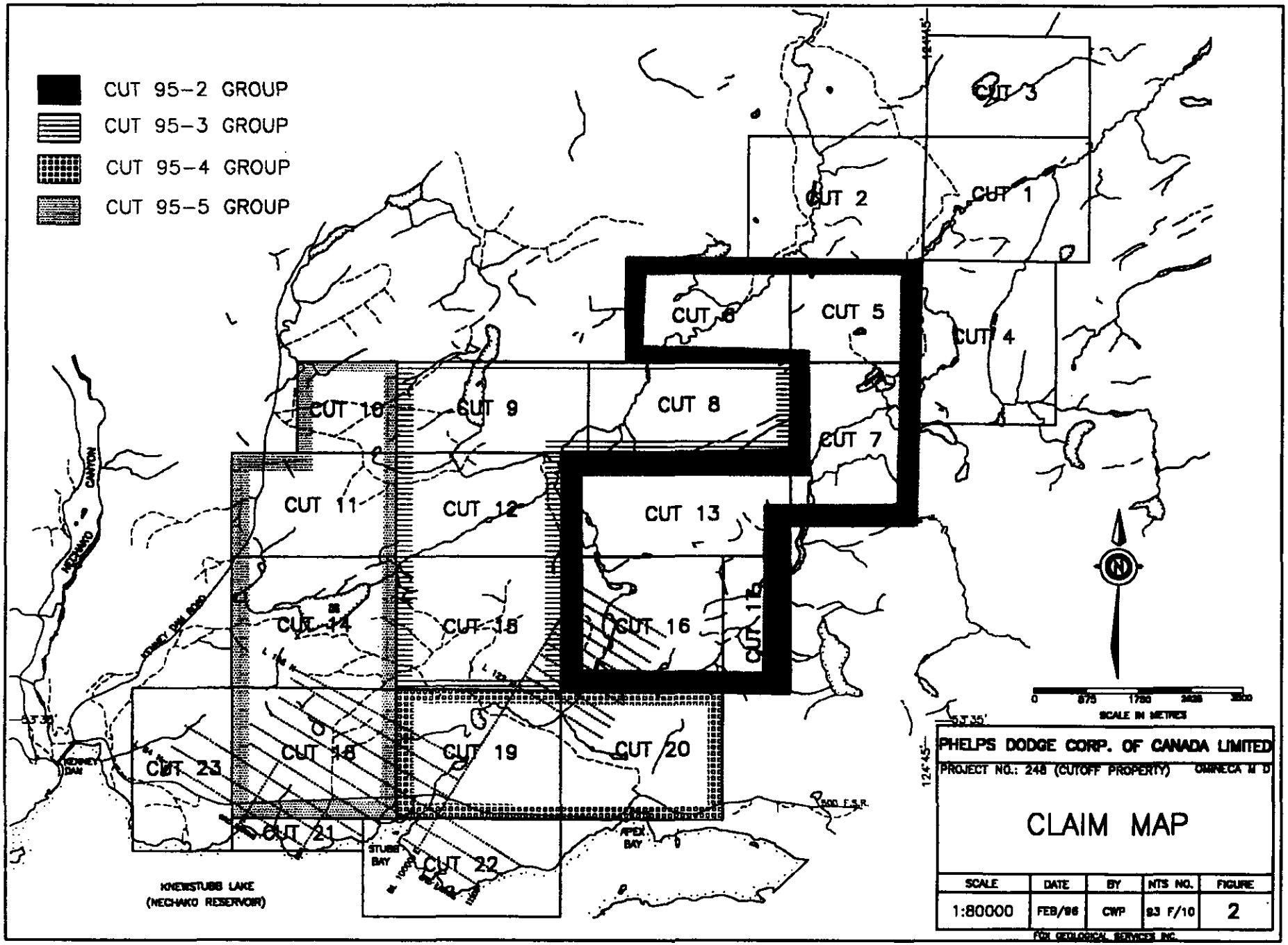

CUT 95-2 GROUP
CUT 95-3 GROUP
CUT 95-4 GROUP
CUT 95-5 GROUP
CUT 1
CUT 2
CUT 3
CUT 4
CUT 5
CUT 6
CUT 7
CUT 8
CUT 9
CUT 10
CUT 11
CUT 12
CUT 13
CUT 14
CUT 15
CUT 16
CUT 17
CUT 18
CUT 19
CUT 20
CUT 21
CUT 22
CUT 23
CANYON
MCCHAKO
KNEWSTUBB LAKE
(NECHAKO RESERVOIR)
STUBBS BAY
APEX BAY
SCALE IN METRES
PHELPS DODGE CORP. OF CANADA LIMITED
PROJECT NO.: 248 (CUTOFF PROPERTY)
CLAIM MAP
SCALE
DATE
BY
NTS NO.
FIGURE
1:80000
FEB/96
CWP
93 F/10
2
FOR GEOLOGICAL SERVICES INC.

Table 1 CLAIMS DATA con't

Claim Name	Record No.	Units	Years	Expiry Date
Cut 11	314676	15	2	Nov. 6, 1998
Cut 12	314677	18	1	Nov. 7, 1997
Cut 13	314678	18	1	Nov. 14, 1997
Cut 14	314679	20	2	Nov. 8, 1998
Cut 15	314680	20	1	Nov. 8, 1997
Cut 16	314681	20	1	Nov. 8, 1997
Cut 17	314682	8	1	Nov. 7, 1997
Cut 18	314683	20	2	Nov. 5, 1998
Cut 19	314684	20	2	Nov. 5, 1998
Cut 20	314685	20	2	Nov. 8, 1998
Cut 21	319031	4	0	July 1, 1998
Cut 22	319032	18	0	July 1, 1998
Cut 23	319032	15	2	Aug. 4,1998

REGIONAL GEOLOGY

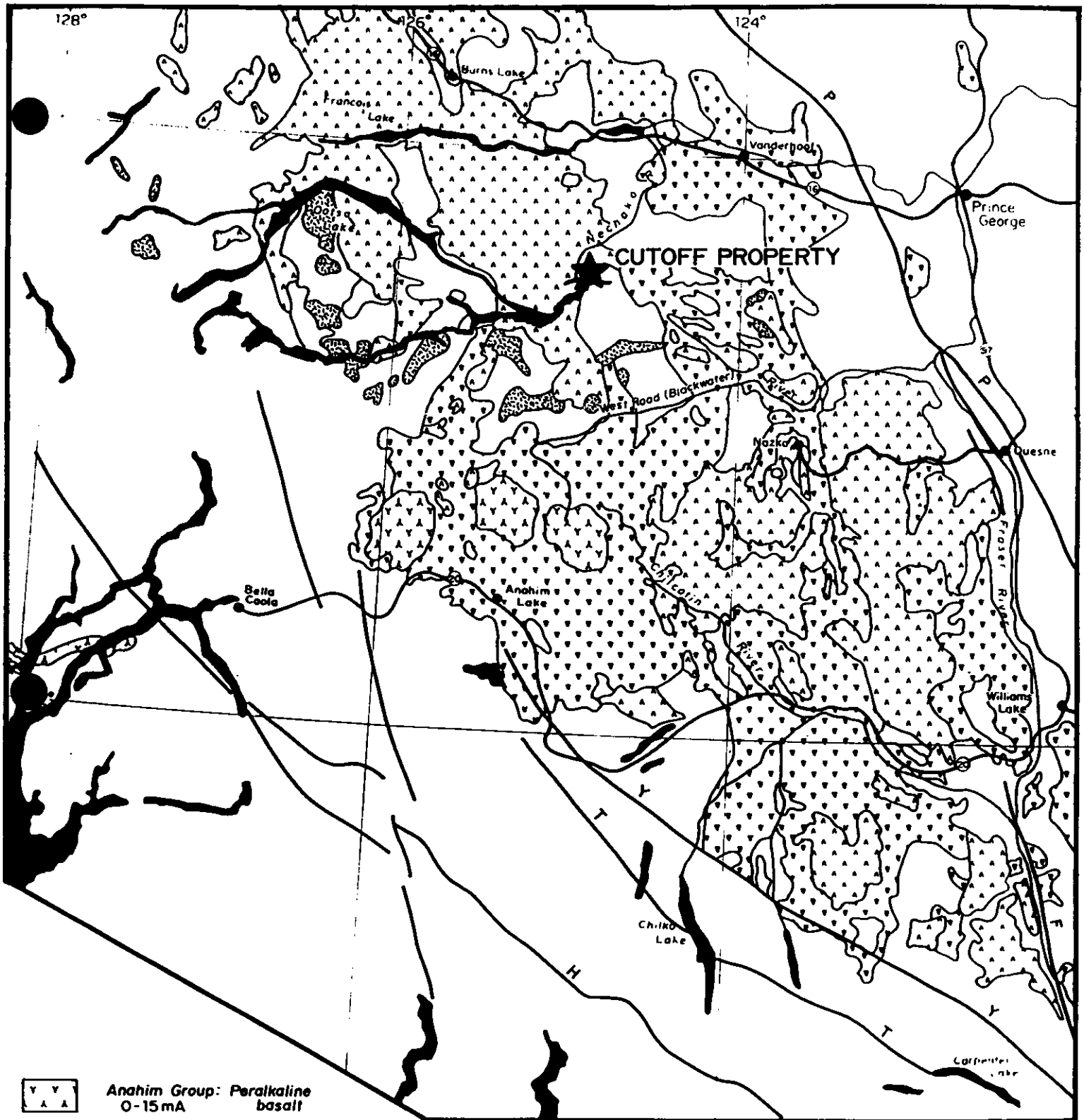
The Cutoff Property is located in the Interior Plateau of British Columbia, within the Intermontaine Belt, which consists of late Palaeozoic to late Tertiary sedimentary and volcanic rocks belonging to the Stikinia, Cache Creek and Quesnellia Terraines. The Yalakom and Fraser Fault systems bound the plateau to the southwest and northeast. 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.

The Cutoff property is situated near the eastern edge of the Stikinia Terraine, on the south-eastern edge of the Cheslatta Caldera Complex. The Natalkuz Fault, a regional northeast trending extensional structure which has been mapped to the southwest of the property (Green and Diakow, 1993), may extend through the Cutoff property. This structure juxtaposes pre-Tertiary strata against a dominantly Eocene and younger volcanic pile. Regional geology is presented in Figure 3.

PROPERTY GEOLOGY

The Cutoff property is located east of the Nechako River and north of Knewstubb Lake along the southeastern edge of the Cheslatta Caldera Complex.

The claims are underlain by volcanic, pyroclastic and sedimentary assemblages of upper Jurassic to Eocene in age. The oldest sequence is of middle Jurassic Hazelton Group felsic to intermediate volcanic and sedimentary rocks. The most widespread assemblage which underlies the central part of the property is comprised of andesite and associated pyroclastic rocks of upper Cretaceous Kasalka Group. Eocene Ootsa Lake Group felsic volcanic rocks and associated pyroclastic sequences are exposed in the southwestern part of the property.



Anahim Group: Peralkaline basalt
0-15 mA

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

Nanika, Quanchus Intrusives: Quartz monzonite, granite
60 mA

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

Pre-Tertiary rocks and Coast Intrusions

Fault — H - Harrison, T - Tchaikazan, Y - Yalakom, F - Fraser, P - Pinchi

Scale 1:2,000,000
0 50 100 km

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PROJECT Nº 248 OMINECA M.D

CUTOFF PROPERTY
REGIONAL GEOLOGY

Fox Geological Services Inc.

SCALE	DATE	NTS	FIG Nº
1:2,000,000	Feb/96		3

Endako Group basalt minor andesite and associated sedimentary rocks of Eocene to Oligocene age underlie most of the western and northwestern parts of the claims. The distribution of outcrops and rock units are shown on Figure 4.

Hazelton Group rocks underlie the northeastern part of the property. This sequence of rocks is dominated by feldspar phyric and locally quartz phyric, maroon to mottled cream-white to green rhyolite and intercalated with minor dacite flows. Rhyolite is massive to flow banded with local felsite dykes intruding the sequence. Thick sequences of lapilli tuff and lesser ash and block tuffaceous units are intercalated with the flow rocks. Angular to subrounded fragments within the lapilli tuff range from ash size to in excess of two metres. Generally the tuff units are massive and poorly sorted. Smaller sized clasts in lapilli units are usually matrix supported while the larger sized fragments are clast supported.

Sedimentary rocks intercalated with the tuffaceous horizons consist of black silty argillite, greywacke, sandstone and minor conglomerate.

The upper Cretaceous Kasalka group volcanic assemblage underlies most of the central part of the property and extends from immediately north of the Trout showing south to Stubb Bay on Knewstubb Lake and eastwards to Cutoff Butte. This sequence of rocks is dominated by lapilli tuff, andesite and flow breccias.

Andesite is most abundant in the northern part of the property and is dark grey to medium to light green feldspar +/- hornblende +/- augite? phyric and is weak to moderately magnetic. Locally some flows are vesicular. Thick monotonous sequences of red-maroon-green lapilli tuff are intercalated with the flow rocks. Monolithic, angular to subrounded fragments range in size up to five centimetres and are feldspar phyric andesite, possibly suggesting a local source. Less common are andesitic ash flow tuff and crystal tuff.

In the southern part of the property, on the east side of Stubb Bay are poorly sorted matrix supported cobble to pebble conglomerate, sandstone, pebbly sandstone and siltstone. Clasts are monolithic and are typically varieties of porphyritic andesite. Locally well sorted conglomerate units are clast supported suggesting that some of the clastic sediments have been re-worked. The age relationship of the volcanoclastic rocks in the Stubb Bay area to the volcanic rocks to the east is uncertain. Intruding the Cutoff volcanic package along the lineament extending from Stubb Bay through the Trout showing to the north is a series of grey to mottled pink fine to medium grained feldspar porphyry rhyolite sills, dykes and small plugs. In the Lalinear area is a small sill of monzonite intruding the volcanic rocks. The monzonite is pink to light green with feldspar and abundant lath shaped hornblende phenocrysts.

The southwestern part of the Cutoff property is underlain by Eocene Ootsa Lake group rhyolite, lapilli tuff and associated volcanoclastic sediments. Rhyolite outcrops along the 500 Forest Service Road, north shore of Knewstubb Lake and minor exposures throughout the southwest area of the claim block.

Outcrops along the 500 Forest Service Road are argillically altered cream to yellow to maroon coloured quartz phyric rhyolite, locally flow banded, minor flow breccia, lapilli tuff, scoria and

pumice. One hundred metres north of the outcrops on the 500 FSR is a series of northeast-southwest elongated ridges composed of grey to brown vitreous quartz phyric rhyolite. The quartz phenocrysts are round to subround and up to three millimetres in size. Locally the rock is vuggy with the vugs infilled with an orange-red earthy material. Joint surfaces are coated with drusy quartz. Orientation of flow banding in the rock is 153°/40°NE.

Throughout the southwestern part of the property are scattered, irregularly distributed boulders and boulder pods of banded quartz and chalcedony, silica flooded rhyolite breccia and white to cream coloured silica flooded fine grained sediments with chalcedony veinlets throughout. In the Goldfish area are abundant angular to subrounded boulders (up to one metre diameter) of white to grey banded quartz breccia with chalcedony and local irregular stringers of chlorite with trace to one percent disseminated fine grained pyrite throughout.

Eocene to Oligocene in age Endako Group occupies the western and northwestern third of the property. The Endako Group comprises basalt and andesite with minor flow breccia. Intercalated with the flows are conglomerate, siltstone and scoria. The Endako Group is dominated by dark grey to black basalt flows and flow breccia which are commonly vesicular. Vesicles are commonly infilled with zeolites, siderite, chalcedony or thin films of a cream-green to blue coloured waxy mineral. Locally flows contain rounded olivine phenocrysts set in a black vitreous aphanitic matrix. Occasionally flows contain feldspar phenocrysts. Columnar jointing is common throughout the basalt sequence.

Andesite is grey to dark grey, fine grained, massive, feldspar phyric and locally fine grained olivine phenocrysts are observed. The sedimentary package associated with the Endako Group volcanic rocks is comprised of white to beige quartz rich siltstone (with plant fragments), tuffaceous sandstone and conglomerate. Rounded clasts in the conglomerate are basalt possibly derived locally.

MINERALIZATION

The main occurrences of significant or anomalous gold mineralization investigated during 1995 are the Trout showing, the Stubb Bay showings, and the Lalinear area.

Trout Showing

The Trout showing is located in the northern part of the claims, where epithermal gold mineralization is associated with polylithic volcanoclastic breccias and conglomerates of the Kasalka Group in fault (and/or stratigraphic) contact with volcanic rocks of the Hazelton Group. Past work indicates that high gold values are restricted to a porous polymictic breccia/conglomerate unit which in turn is surrounded by a zone of low-grade mineralization over an area of approximately 120 metres x 150 metres. In 1995 limited geological mapping, prospecting, and rock sampling was conducted to the northeast and southwest of the Trout area , however no new areas of mineralization were discovered. Examination of unsampled 1990 core (TR-90-09) revealed significant disseminated pyrite mineralization in clay altered fault gouge and breccia, the interval 336 feet to 371 feet was subsequently sampled for assay.

Stubb Bay Showings

Work by Cogema in 1992 to 1994 discovered low-grade gold mineralization in the Stubb Bay area on the north shore of Knewstubb Lake. Cogema reports gold mineralization in hydrothermally altered feldspar porphyry andesite and granodiorite. Seven anomalous areas were trenched and four were subsequently drilled during the 1994 work program. The best gold grades obtained from eight showings were from trenching where a 2 metre chip sample contained 2.87 gpt Au and subsequent diamond drilling contained a 1.5 metre intersection of 1.5 gpt Au. Examination of float proximal to Cogema's backfilled trenches revealed that at least one of these showings exhibits a lithology and style of mineralization similar to that which occurs at the Trout showing, specifically a breccia/conglomerate in a banded chalcedony or silica matrix. A volcanoclastic or sedimentary lithology was noted at or proximal to most of the showings in the Stubb Bay area. The showings exhibit an association with a sedimentary or lapilli tuff unit and/or fault breccia accompanied by moderate propylitization, strong silica and/or carbonate flooding and locally contains up to 5% disseminated pyrite. A possible relationship between porosity, intensity of silicification, and grade of mineralization was hypothesized utilizing the Trout showing as a model. An unsuccessful search for similar lithologies was conducted along the structure to the north and previously mapped sedimentary units were investigated, again without meaningful results. In addition extensive prospecting, mapping, sampling, and geochemical surveying was conducted in the Stubb Bay area in an effort to extend the area of known gold mineralization.

Lalinear Area

Work by Cogema in 1993 and 1994 returned two anomalous gold values (820 ppb Au from the west side and 560 ppb Au from the east side) of a narrow valley along a northeast-southwest oriented structural trend between the Trout and Stubb Bay showings. At this location a feldspar porphyry is intermittently clay altered, brecciated, and carbonate and/or silica flooded along the west side of the valley wall for approximately 100 metres. Pyrite and chalcopyrite are sporadically present. Locally, quartz veinlets or silica banding occurs and occasionally blue quartz was observed. A zone of fine grained, silicified, pyritic rock was observed approximately 75 metres to the north of Cogema's 820 ppb Au sample site. An outcrop of monzonite was noted proximal to the pyrite zone, mineralization may be fault related, intrusive related, or both. A white, clay altered, brecciated feldspar phyric andesite, similar to that found to contain gold in the valley, was found in talus from a recessive zone 50 metres to the west of and above the Lalinear valley, this discovery may represent an extension to the known occurrence.

Other Areas

Follow up prospecting in 1995 located several other areas of interest.

A road cut along the 500 FSR in the area of **Apex Bay** is a limonitic altered andesite consisting of finely banded chalcedony (alternating 1mm wide red and white bands) and jasper. A sub-lacustrine hot springs environment is the probable environment of deposition.

In the **Trapper Lake** area a propylitic altered and silicified feldspar porphyry andesite forms a prominent east-west oriented ridge crossing Swanson Creek valley perpendicular to the main structural trend. Traces of malachite were observed in the rock.

South of **Little Quartz Lake** a 3 metre by one metre boulder of black matrix rhyolite breccia was found. Further prospecting in this area has located abundant angular boulders of argillically altered, silica flooded quartz phyric rhyolite with trace to 1 percent disseminated pyrite and trace arsenopyrite. Also abundant boulders of massive grey-blue banded quartz and chalcedony. Local pods of boulders of brecciated quartz show the quartz breccia is healed and infilled with banded chalcedony.

In the **Gold Fish** area red (thermally oxidized) scoria and volcanic bombs in Endako basalt indicate a near vent environment during the Eocene epoch. Also in the Goldfish area are abundant one metre by one metre boulders of massive banded quartz-chalcedony, silica flooded argillically altered sandstone and conglomerate with chalcedony veining throughout. Locally some boulders contain very fine grained disseminated wispy pyrite.

Ootsa Lake Group quartz phyric rhyolite located 100 metres north of kilometre 24 on the 500 FSR returned values of up to 16,000ppb Hg from previous rock samples collected by Cogema. Follow-up of this sample located brecciated rhyolite containing banded chalcedony and a bright red-orange earthy material on fractures. Adjacent to this northeast-southwest oriented ridge to the north is a 25 metre wide down-faulted block of rhyolite which hosts similar breccia and chalcedony in rhyolite.

1995 WORK PROGRAM

The 1995 field program, was carried out during the period June 5 to October 24 1995 and focused on further investigating the area of the Stubb Bay showings, Lalinear area, Trout showing and the southwest area of the claim block underlain by Ootsa Lake Group felsic volcanic rocks. To further evaluate these areas a program a geological mapping, prospecting rock and soil sampling was carried out.

A total of 47.6 kilometres of grid lines were established through the south-central part of the claim block with grid lines spaced 200 or 300 metres apart covering the Stubb Bay and Lalinear areas and the area underlain by Ootsa Lake Group felsic volcanic rocks. A total of 913 soil samples were collected at 50 metre intervals along the grid lines. Samples were obtained from the "B" horizon, where possible, stored in Kraft paper sample bags, tagged with a unique number and submitted to Acme Analytical Laboratories Ltd. in Vancouver, B.C. for analyses. Each sample was screened and an 80 mesh fraction analysed for 34 elements by ICP techniques and for gold by geochemical atomic absorption analysis. Field notes detail location, topography, type and colour of material were also collected. Rock and soil sample descriptions are presented in Appendix 1. Analytical methodology is set out in Appendix 2.
Soil sample depth ranged from 15 to 100 centimetres.
Approximately 25 square kilometres was prospected and geologically mapped at a scale of 1:20,000. Property geology is shown in Figure 4. In addition, 345 rock samples were collected

and sent to Acme Analytical Laboratories Ltd. for multi-element analysis. Rock sample locations are shown in Figure 5. Rock and soil sample analytical certificates are in Appendix 3.

RESULTS

Trout Showing

Rock sampling in the area of the Trout Showing resulted in a number of samples with elevated to highly anomalous gold and silver values with low concentrations of lead, mercury and arsenic. Geochemical results for these elements are outlined in Table 2 below. Results for other base metal and gold indicator elements are present at background levels. Results for gold, silver, arsenic and mercury are presented in Figure 5.

Table 2 SUMMARY OF ROCK GEOCHEMICAL DATA

ELEMENT	SAMPLE RANGE	ELEVATED	ANOMALOUS
Gold	1ppb to 2,740ppb	95ppb to 100ppb	>260ppb
Silver	<30ppb to 62,678 ppb	170ppb to 200ppb	>500ppb
Lead	4.7ppm to 832.4ppm		>170ppm
Mercury	<5ppb to 3,286ppb	50ppb to 285ppb	>500ppb
Arsenic	4.7ppm to 103.8ppm	30ppm to 60ppm	>70ppm

Bedrock samples contained up to 1,564ppb Au, 5,801ppb Ag, 832.4ppm Pb, 816ppb Hg and 86.6ppm As. The best samples (52472 and 56004), containing 1,401ppb Au with 5,801ppb Ag and 1,564ppb Au with 3,857ppb Ag respectively, were both collected from a small felsite stock located north of the Trout Showing. Scattered subcrop of chalcedony and calcite-bearing basalt and rhyolite located near the Endako Group/Canyon Creek contact 500 metres east of the stock contained elevated gold and silver with elevated to anomalous lead, mercury and arsenic. Two samples with visible malachite and azurite contained up to 25.8ppm copper.

The highest gold value is from sample 37768 which is a heterolithic, chalcedony-matrix breccia collected from the Trout Showing contains 2,740ppb Au and 62,678ppb Ag with elevated mercury and arsenic. Six similar angular float samples collected approximately 300 metres north of the Trout Showing also contained anomalous Au, Ag, Pb, Hg and As values.

Stubb Bay to Stubb Lake Area

A single exposure of Ootsa Lake Group outcrops along the shoreline on the east side of the Cut 21 claim. No alteration or mineralization were evident. Several small outcrops of Kasalka Group rocks are exposed near the head of Stubb Bay, in the vicinity of the Cut 19/22 claim line. These are predominantly volcanoclastics and sediments with a single exposure of volcanic rock.

Prospecting and mapping east of Stubb Bay located several areas of intensely silicified and locally brecciated andesite from both float and subcrop. Anomalous gold and silver are present in rock samples, up to 1,666ppb Au and 1,983ppb Ag respectively, with isolated instances of anomalous Cu, Mo, Sb, As and Hg. Three in-situ samples (outcrop and/or subcrop) contained highs of 193ppb Au and 1,449ppb Ag. Intensely silica-carbonate flooded and brecciated volcanoclastic rocks from the Stubb Bay area contain highly anomalous gold values to 1,666ppb Au and 1,198ppb Ag.

Lalinear Area

Five rock samples collected in the Lalinear area contain anomalous values of gold, silver and copper. All anomalous samples are a grey to light green feldspar phyric andesite breccia with quartz-carbonate infilling the breccia voids. The quartz-carbonate contains trace to 1% disseminated fine grained pyrite, trace disseminated arsenopyrite and locally chalcopyrite. Gold values from these samples range from 76ppb Au to 295ppb Au, silver from trace to 2,360ppb Ag and copper from trace to 5,098.5ppm Cu.

Apex Bay Area

One rock float sample anomalous in gold was reported from the Apex Bay area. The rock consists of a banded quartz-chalcedony angular boulder with local calcite crystals, drusy quartz lining fracture surfaces and 1% to 2% disseminated very fine grained pyrite. The sample contained 1,419ppb Au, 12,087ppb Ag and 456ppb Hg.

Little Quartz Lake Area

The Little Quartz Lake area is underlain by Ootsa Lake Group quartz +/- feldspar phyric grey to pink rhyolite and rhyolite breccia. Locally the brecciated rhyolite is intensely silica-chalcedony flooded with trace to 2% disseminated fine grained pyrite and trace disseminated to pods of arsenopyrite. Anomalous gold values within these rocks range from 54ppb Au to 1,684ppb Au and trace to 7,679ppb Ag along a 2.5 kilometre strike length.

Goldfish Area

One angular rock float sample of grey banded quartz and chalcedony contains 58ppb Au and 2,145ppb Ag.

Fish Lake Area

Three samples in the Fish Lake area are weak to moderately anomalous in gold and silver. Anomalous rocks are grey to dark grey, brecciated, infilled with quartz-chalcedony which is locally banded and less than 1% to 3% disseminated fine grained disseminated pyrite and arsenopyrite. Gold values range from 57ppb Au to 287ppb Au and silver values from 1,180ppb Ag to 2,145ppb Ag. Sample 55254 contains 9,451.6ppm arsenic.

Within the area soil sampled are several well defined gold soil anomalies. The largest of which extends northeast and southwest some 1,800 metres across the grid area centred in the Little Quartz Lake area (see Figure 6). The highest gold value in this soil anomaly is 232ppb Au. The north-eastern part of the gold soil anomaly is coincident with an interpreted fault extending through the grid area. Spot gold highs located to the southwest follow along the surface trace of the interpreted fault zone.. The gold soil anomaly is in part coincident with anomalous arsenic and mercury soil anomalies. Both arsenic and mercury show a wider and more continuous anomaly associated with the fault zone. To the east of interpreted fault zone is another second linear trend parallel to the fault structure defined by anomalous gold, arsenic and mercury values in soils (see Figures 7 and 8).

Within the Stubb Bay area is a weak to moderately anomalous area in gold and arsenic located along the eastern side of the bay. These soil anomalies remain open to the southwest.

The north-eastern part of the grid centred in the Lalinear area shows numerous spot high gold values in soils within a much broader arsenic and mercury soil anomaly. Anomalous arsenic and mercury values within this soil anomaly are up to 85.2ppm As and 165ppb Hg. The coincident arsenic-mercury soil anomaly in the Lalinear area remains open to the northeast.

CONCLUSIONS

Soil sampling has outlined a gold soil anomaly some 1,800 metres long extending to the northeast through the Little Quartz Lake area. This area is underlain by Ootsa Lake Group quartz phyric rhyolite which has been brecciated along a northeast trending fault structure. The fault structure has been infilled with quartz-chalcedony and locally strong concentrations of disseminated pyrite and arsenopyrite. Gold values from angular float samples of this material contain up to 1,684ppb Au and 7,679ppb Ag. Anomalous gold, arsenic and mercury values in soils suggests a second parallel fault structure located 350 metres to the east.

In the Lalinear area is a broad northeast trending coincident arsenic-mercury soil anomaly in which there are local spot high gold values (up to 99ppb Au) in soils. This anomaly is underlain by fractured and propylitically altered feldspar porphyritic andesite of the Kasalka Group. Locally the andesite is fractured with the fractures infilled with quartz-carbonate and trace to 1% disseminated pyrite and chalcopyrite. Gold values range up to 295ppb Au and copper values up to 5,098.5ppm Cu.

DISBURSEMENTS

Expenditures on the Cutoff Property total $78,000.00 as tabulated below:

		$
Labour		
K. Karchmer, Geologist	40.5 days @ $295/day	11,947.50
T. Archibald, Prospector	15.5 days @ $225/day	3,487.50
D. Gagnon, Sampler	19.5 days @ $225/day	4,387.50
J. Goodall, Sampler	12 days @ $225/day	2,700.00
D. Bowles, Sampler	6.5 days @ 225/day	1,462.50
J. Boutwell, Prospector	14 days @ 225/day	3,150.00
P. Murphy, Cook	11 days @ $225/day	2,475.00
Accommodation & Board		4,261.70
Geochemical Analyses		
345 rock samples	$19.55/sample	6,744.75
913 soil samples	$15.50/sample	14,151.50
Truck Rental		4,245.00
4Trax Rental		1,920.00
Radio Rental/Communications		2,120.00
Field Equipment/Consumables		3,595.00
Shipping		405.00
Report Writing and Drafting		1,797.05
SUBTOTAL		**$68,850.00**
PAC for Cut 95-4 Group		3,500.00
PAC for Cut 95-5 Group		5,650.00
TOTAL		**$78,000.00**

FOX GEOLOGICAL SERVICES INC.

C. W. Payne M.Sc., P.Geo
February 4, 1996

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REFERENCES

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Schimann, K. Richards T. 1993
"Nechako Project, British Columbia, 1993 Field Work, Company report for Cogema Resources Inc., May, 1994.

CERTIFICATE

STATEMENT OF QUALIFICATIONS

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

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

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

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

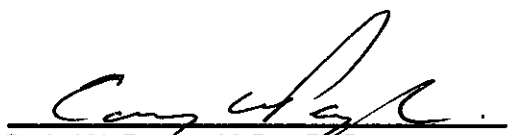
4. have practised my profession since 1972.

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

6. am the author of the report entitled "Geological and Soil Geochemical Report on the Cutoff Property, Cut 5 to Cut 20 and Cut 23 Mineral Claims"; Omineca Mining Division, dated: February 4, 1996.

Dated at Vancouver, B.C. this 4th day of February, 1996.

Respectfully submitted,



Craig W. Payne M.Sc. P. Geo.
Vancouver, B.C.
February 4, 1996

APPENDIX I

ROCK and SOIL SAMPLE DESCRIPTIONS

ROCK SAMPLE DESCRIPTIONS AND GEOCHEMISTRY

SAMPLE	TYPE	NOTES	Cu ppm	Ag ppb	As ppm	Hg ppb	Au pbb
37768	GRAB	Trout showing, conglomerate, solution breccia (?), clasts are rounded to angular with banded chalcedony/quartz matrix, rock is vuggy.	13.3	62678	45.9	165	2740
37769	GRAB	1 to 2 cm wide quartz vein in feldspar porphyry dacite (?), abundant hematite staining.	2.6	302	2.8	53	41
37770	GRAB	Maroon, intensely fractured lapilli tuff with drusy quartz and limonite on fractures, quartz veins to 1cm wide.	4.8	79	2.1	21	13
37771	GRAB	Feldspar porphyry andesite, silica flooded, trace hematite stringers throughout, minor quartz-carbonate veinlets.	4.9	79	1.7	12	6
37776	GRAB	Very fine grained, light grey, siliceous sediment (?), trace to 2% disseminated pyrite throughout, trace to 2% hematite on fractures.	4	217	12.4	5	2
37777	GRAB	Moderate to strongly argillically altered quartz phyric rhyolite, with limonite on fracture surfaces, <1% disseminated pyrite cubes and pyrite casts.	3.7	101	6.3	5	2
37778	GRAB	Sheared and brecciated sediment, calcite/limonite cemented, no visible sulphides.	22.9	313	740.6	229	5
37779	GRAB	Propylitic altered basalt, vesicles lined with specular hematite.	50.9	75	21.9	88	3
37780	GRAB	Strongly argillically altered tuff, abundant limonitic staining on fracture surfaces.	3.3	81	47.4	737	1
37781	GRAB	Chlorite altered, light green, fine grained andesite with trace disseminated fine grained pyrite, chlorite on fractures.	22.3	74	2.6	13	1
46643	GRAB	Green, fine grained feldspar phyric andesite, trace disseminated fine grained pyrite.	10.6	266	8.3	7	9
46644	GRAB	Maroon, propylitic altered porphyritic andesite, fractured, calcite filling fractures.	31.1	67	2.1	11	1
46645	GRAB	Dark green, propylitic altered, brecciated feldspar porphyry, chalcedony/quartz, calcite veinlets.	41.2	47	0.5	11	1
46646	GRAB	Cream coloured, quartz phyric rhyolite, vuggy, flow laminated, hematite stain, blebs and small stringers of chalcedony throughout.	4.5	59	2.1	628	3
46647	GRAB	Light grey, quartz phyric rhyolite, vitreous.	4.4	49	5.7	668	5
46648	GRAB	Dark grey silicified olivine basalt.	18.7	97	0.5	23	7
46649	GRAB	Argillically altered, rhyolite breccia, dark brown to black siliceous matrix.	5.2	51	0.8	11	2
46650	CHIP	Light green, silicifed feldspar phyric andesite, abundant propylitic alteration and fracturing.	14.2	59	0.9	5	2
46651	CHIP	White/cream fractured rhyolite, 10cm wide black matrix breccia.	4.2	34	2.1	5	1
46652	GRAB	Propylitic altered feldspar porphyry with hematite on fractures.	19.9	30	70.4	5	1
46653	GRAB	Green-brown, orange silicified, propylitic altered, feldspar porphyry, hematite on fracture surfaces.	21.1	53	59.3	5	1
46654	GRAB	Light brown silicified quartz phyric rhyolite, fractured, cinnabar(?).	4.6	85	5.6	5	1
46655	GRAB	White, clay altered feldspar porphyry.	3.5	30	2.4	5	3
46656	GRAB	Cream, quartz phyric rhyolite, hematite stain.	4.3	160	6.2	107	3
46657	GRAB	Dark grey, green, maroon, feldspar porphyry with hematite on fractures.	11	30	11.3	9	1
46658	GRAB	Dark green silicifed hornblende porphyry from shear zone.	52.1	69	10.5	18	2

ROCK SAMPLE DESCRIPTIONS AND GEOCHEMISTRY

SAMPLE	TYPE	NOTES	Cu ppm	Ag ppb	As ppm	Hg ppb	Au pbb
46659	GRAB	Maroon lithic tuff, with medium grey feldspar porphyry fragments, up to 10mm hematite veinlets and silica laminations.	4.2	47	7.7	5	3
46660	GRAB	Dark grey, maroon lapilli tuff, intensely fractured, quartz and calcite veinlets, weakly propylitic altered, abundant hematite stain.	6.8	30	1.4	5	1
46661	GRAB	Grey feldspar porphyry, weak propylitic alteration, moderate silicification, minor hematite stain, no visible sulphides.	5.8	34	1.1	5	2
46662	GRAB	Grey weak-moderate propylitic altered feldspar porphyry, from strongly fractured outcrop.	5.7	30	1.2	22	2
46663	CHIP	50cm wide quartz-calcite-chalcedony vein, hematite alteration, brecciated.	41.7	51	1.2	70	7
46664	GRAB	Subcrop. Orange-white-blue brecciated quartz-calcite-chalcedony veinlet with very fine grained disseminated sulphides.	66.4	450	3.6	216	6
46665	GRAB	Subcrop. Grey feldspar porphyry, clay altered, brecciated, fine grained silver coloured metallic mineral.	59.5	2360	181.2	1093	76
46666	GRAB	Clay altered, maroon/cream, feldspar porphyry, brecciated, hematite staining in vugs.	61.9	137	5.7	176	35
46667	GRAB	Dark grey feldspar porphyry breccia, with calcite veining, host forms clasts in calcite veins, calcite white to light brown. No visible mineralization.	13.8	95	3.2	31	5
46668	GRAB	Light grey clay altered feldspar porphyry, silicified, brecciated, vuggy in places, chalcedony, calcite, no visible mineralization.	114.5	135	35.1	205	31
46669	GRAB	Brick red jasper with quartz veinlets.	9	41	7.8	32	21
46670	GRAB	Cream, reddish light brown aphanitic, silicified volcanic (?).	14.1	30	10.8	24	5
46671	GRAB	Angular, white and grey chalcedony banding, amethyst, opal (?), minor euhedral pyrite.	2.5	88	1.7	5	4
46672	GRAB	Maroon/black basalt, scoriacious, hematite stain.	29.5	41	0.5	49	8
46673	GRAB	Grey-brown pyritic basalt with abundant hematite stain.	27.4	52	0.5	25	8
46674	GRAB	White/orange material from fault zone, flesh coloured banded chalcedony, occasionally vuggy, coarse calcite, abundant siderite/ankerite.	7	30	3.5	114	4
46675	CHIP	Maroon-rusty felsic porphyry, from 15m wide fault zone, quartz-chalcedony veins and veinlets, abundant coarse calcite, siderite, ankerite.	26	186	8.8	629	5
46676	GRAB	Dark grey-black silicified, aphanitic, volcanic, 10% disseminated magnetite and pyrrhotite.	213.7	105	0.5	63	9
46677	GRAB	Subcrop. Grey/maroon feldspar porphyry, andesite, silicified, weak propylitic alteration, weakly magnetic, minor disseminated hornblende laths throughout.	44.5	113	4.6	17	11
46678	GRAB	Subcrop. Dark grey feldspar porphyry, hornblende phenocrysts, weak propylitic alteration, weakly magnetic.	10.5	30	26.8	13	9
46679	GRAB	Jasper, brick red alternating red and clear 2mm bands in places, fractured, with calcite and quartz veining.	9.7	30	38.9	444	6
46680	GRAB	Brick red, earthy coating, silicified in places, sinter (?).	8.3	30	4.9	33	6

ROCK SAMPLE DESCRIPTIONS AND GEOCHEMISTRY

SAMPLE	TYPE	NOTES	Cu ppm	Ag ppb	As ppm	Hg ppb	Au pbb
46681	GRAB	Large euhedral calcite, crystals coated with drusy quartz, medium-dark green, abundant propylitic alteration, abundant calcite and quartz veinlets, euhedral crystals and drusy coatings, brecciated.	114.4	1449	4.8	11	96
46682	CHIP	Subcrop, pyritic shear zone, orange, dark grey, fractured, abundant hematite stain, abundant euhedral calcite.	62.4	4118	30.2	100	7
46683	CHIP	Subcrop. Dark green/orange/white andesite, sheared, brecciated, infilled with quartz-calcite, vuggy in breccia zones, euhedral calcite, pyrite veinlets, moderate propylitic alteration.	24	390	4.8	14	20
46684	GRAB	Light grey silicified siltstone breccia with reddish brown matrix, matrix supported, pebble sized angular clasts at location drill hole ST-9402,03.	4.4	117	3.8	32	7
46685	GRAB	Medium green, moderate propylitic alteration breccia, quartz after calcite, vuggy in places, drusy quartz, 5% euhedral and blebs of pyrite.	9.7	183	3.5	7	75
46686	GRAB	Red, jasper, from andesite, fractured.	1417.4	5762	8.7	23	40
46687	GRAB	Subcrop. Grey, weathered light brown, brecciated siltstone, silicified 5% pyrite, hematite, limonite.	13.4	52	3.8	14	4
46688	GRAB	Medium grey/green andesite fine grained, weak propylitic alteration.	7	30	2.8	118	3
46689	GRAB	Light-medium grey ash tuff, weak propylitic alteration.	10.3	30	0.5	15	8
46690	GRAB	Light grey fractured, brecciated silicified andesite, slightly vuggy drusy quartz, weak propylitic alteration.	24.3	202	8.8	129	24
46691	GRAB	Medium grey-green, medium grained, maroon feldspar porphyry, weak propylitic alteration, minor calcite veinlets.	11.9	30	2.1	9	5
46692	GRAB	Light grey/orange conglomerate or breccia, silicified, hematite.	15.5	39	59.2	22	3
46693	GRAB	Light grey siliceous crystal ash tuff.	7.8	30	6.9	5	193
46694	GRAB	Light green, weak propylitic alteration, weak clay alteration in ash tuff, 5% fine grained euhedral pyrite.	56	72	24.7	14	15
46695	GRAB	Light green/pink, soft, bleached, propylitic altered feldspar porphyry, weak calcite veining.	7.5	30	2.4	111	4
46696	GRAB	Subcrop. Dark green feldspar porphyry, moderate propylitic alteration, calcite veinlets, minor drusy quartz, pyritic in places.	539.1	32	2	18	5
46697	GRAB	Green and light grey andesite feldspar porphyry, clay altered, bleached, 10-20% pyrite as blebs and disseminations.	24.1	626	46.8	450	30
46698	GRAB	Light green/pink volcanoclastic, rounded and angular fragments, in andesitic matrix, silicified, calcite flooded, 10% fine grained pyrite, drusy quartz coating fragments, some replacement of clasts by pyrite.	5.9	1983	29.5	13	194
46699	GRAB	Maroon siltstone, brecciated, light grey with red matrix, weathered light brown.	2.3	54	9.2	151	14
46700	GRAB	Clay altered, volcanoclastic, with hematite alteration.	6.4	76	5.4	83	31
51515	GRAB	Quartz-carbonate conglomerate breccia with trace disseminated pyrite.	14	1198	5.2	232	1666
51516	GRAB	Brecciated green andesite with quartz-carbonate infilling and trace disseminated pyrite.	4.9	118	1.9	9	19

ROCK SAMPLE DESCRIPTIONS AND GEOCHEMISTRY

SAMPLE	TYPE	NOTES	Cu ppm	Ag ppb	As ppm	Hg ppb	Au pbb
51517	GRAB	Siliceous, propylitic altered feldspar phyric andesite with trace disseminated pyrite.	3.7	243	3.1	5	46
51518	GRAB	Bluish coloured quartz with trace pyrite and arsenopyrite.	6.4	549	7.2	6	14
51519	GRAB	Chlorite altered andesite, stringers of quartz-carbonate, and disseminated pyrite.	8	1033	12.6	51	28
51520	GRAB	Brecciated green andesite with quartz-carbonate, trace pyrite.	6.6	289	9.8	6	70
51521	GRAB	Silica flooded aphanitic rock, fractured.	7.9	1417	39.7	5	122
51522	GRAB	Silica flooded aphanitic rock, fractured.	4.1	85	0.5	20	3
51523	GRAB	Silicified breccia with drusy quartz on fractures.	7	231	11.9	5	6
51524	GRAB	Silicified breccia with no visible sulphides.	6.2	979	17.2	8	23
51525	GRAB	Silica flooded vuggy breccia with drusy quartz lining vugs.	6.2	949	12.3	8	119
51526	GRAB	Silica flooded breccia, vuggy.	16.9	556	21.1	6	321
51527	GRAB	Chloritic andesite with trace pyrite.	8.5	711	11	24	10
51551	GRAB	Subangular flow breccia, weak iron staining, trace disseminated fine grained pyrite.	14.5	1300	86.6	17	95
51552	GRAB	Outcrop, maroon vesicular basalt. Contains blebs/lenses of chalcedony and calcite.	8.2	31	8.1	6	9
51553	GRAB	Massive off-white to bluish silica rich rhyolite, iron staining.	2.5	76	5.7	74	5
51554	GRAB	Quartz-calcite vein in vesicular basalt, malachite and azurite throughout.	25.8	537	55.6	222	19
51555	GRAB	Malachite and minor azurite in chalcedony and calcite vein.	12.3	83	57.6	284	8
51556	GRAB	Vesicular basalt coated with malachite/azurite.	20.6	188	19.7	816	22
52401	GRAB	Grey, maroon mottled lithic tuff, from fracture zone.	228.8	451	6.3	48	2
52402	GRAB	Mottled green and maroon ash tuff, moderate propylitic alteration, hematite stain, magnetic, silicified.	37.1	85	2.9	40	2
52403	GRAB	Light brown/orange/dark green clay altered andesite, fractured and vuggy.	22.2	221	27.3	137	36
52404	GRAB	Subcrop. Dark green fine-grained, ash tuff (?), silicified, propylitic alteration.	57	86	9.3	20	2
52405	GRAB	Subcrop. Orange and green ankeritic altered feldspar porphyry, calcareous.	436.9	235	1.2	33	135
52406	GRAB	Orange-brown/green ankeritic altered, feldspar porphyry, chlorite, MnO, on fracture surfaces.	39.3	95	9.4	21	10
52407	GRAB	Brown-orange/white feldspar porphyry, ankeritic alteration, calcite veining, calcite is brecciated.	3.7	30	13.7	75	3
52408	GRAB	Subcrop. Grey and white, weathered orange matrix supported breccia, host and breccia clasts are lithic ash tuff mottled grey and maroon, silicified in places.	4.4	31	2.4	21	2
52409	GRAB	White vuggy quartz breccia with abundant red hematite staining.	3.6	46	4.6	5	1
52410	GRAB	Light grey-light purple matrix silicified lapilli tuff, vuggy, 25% orange mineral as blebs and rectangular crystals.	1.3	67	3.5	5	7
52411	GRAB	Red and grey lithic tuff, 1cm+ phenocrysts of feldspar, magnetic, 5% pyrrhotite.	30.7	30	2.2	23	2
52412	GRAB	Grey and cream/orange/brown breccia, calcite matrix, clasts are fine grained feldspar porphyry, clay altered.	5.4	59	5.2	22	2
52413	GRAB	Brown-orange carbonate vein material, 1cm wide clay-ankerite alteration.	13.2	53	55.1	553	4

ROCK SAMPLE DESCRIPTIONS AND GEOCHEMISTRY

SAMPLE	TYPE	NOTES	Cu ppm	Ag ppb	As ppm	Hg ppb	Au pbb
	GRAB	Subcrop. Brown-orange clay altered, feldspar porphyry, fractured with hematite veinlets, <1mm, calcareous.	3.5	40	268.7	336	4
52415	GRAB	Brown-orange carbonate breccia, abundant hematite stain, weathered red-brown.	10.5	266	19.5	38	8
52417	GRAB	Brown-orange carbonate breccia, silicified, weathered red-brown.	172	570	7.4	196	2
52418	GRAB	Brown-orange carbonate breccia, host is lithic tuff, bands of quartz (.5cm) with carbonate veining, not chalcedony, abundant hematite stain.	1371.5	1175	38.1	2134	223
52419	GRAB	Brown-orange ankerite altered feldspar porphyry with carbonate veining.	19.5	114	32	90	4
52420	GRAB	Brown-orange ankerite altered feldspar porphyry carbonate veins and veinlets, minor quartz banding.	15.2	55	12	26	5
52421	GRAB	Ankeritic and clay altered ash tuff.	7.6	30	4.9	214	6
52422	GRAB	Conglomerate. Clasts are light grey, vesicular, minor feldspar phenocrysts, clay altered, chalcedonic, abundant hematite stain and encrustations, goethite spheres, vuggy.	27.2	79	135.8	14	9
52423	GRAB	Brown-orange subangular boulder, abundant hematite, clay altered, soft, earthy, brecciated, up to 3cm vugs filled with spongy hematite.	24.4	147	9.6	19	3
52424	GRAB	Scoriaceous/pumice lapilli tuff, red to purple/grey, yellow earthy coating, hematite and MnO stain.	10.8	141	3.4	18	3
52425	GRAB	Maroon/yellow/orange lapilli tuff, up to cobble size clasts, clay altered.	16.4	68	225.4	19	2
52426	CHIP	Clay altered lapilli tuff.	15.9	97	202.4	19	1
52427	GRAB	Cream-medium brown quartz phyric rhyolite, slightly vuggy, bright red hematite stain in places.	4.1	146	11.4	5	1
52428	GRAB	Black and maroon crowded feldspar porphyry, matrix is black and vuggy in places, abundant MnO or goethite encrusting, trace arsenopyrite(?), brecciated.	11.2	30	7.3	33	1
52429	GRAB	Cream-dark brown chalcedony cemented rhyolite breccia.	3.7	30	21	1431	1
52430	GRAB	Grey rhyolite breccia with red/orange matrix material.	3.4	202	50.9	900	28
52431	GRAB	Rhyolite breccia, red hematite matrix, brown and grey rhyolite clasts, chalcedony.	2.8	152	68.1	1878	8
52433	GRAB	Brown conglomerate, matrix supported, heterolithic, to cobble size, fractures with trace malachite.	13.9	68	7.7	50	2
52434	GRAB	Grey/maroon, moderate propylitic alteration, feldspar porphyry, trace malachite.	21.4	56	7	25	1
52435	GRAB	Dark grey lapilli tuff, moderate propylitic alteration, trace malachite.	16.3	30	7.4	12	2
52436	GRAB	Maroon feldspar porphyry, flow breccia, trace arsenopyrite.	4.9	30	4.7	5	21
52437	CHIP	Core TR-90-9, Box 22 336-339ft. Light green, light grey, light maroon clay altered, feldspar, ash tuff, fault gouge (Ao), chloritic, trace disseminated pyrite.	46	30	0.8	22	3
52438	CHIP	DDH TR 90-9 339-342ft. As 52437, mostly light maroon.	53.3	30	0.8	5	3
52439	CHIP	DDH TR 90-9 342-345 ft. As 52437, mostly light maroon changing to light green to medium green, contact at 345.	39.4	104	0.9	5	3

ROCK SAMPLE DESCRIPTIONS AND GEOCHEMISTRY

SAMPLE	TYPE	NOTES	Cu ppm	Ag ppb	As ppm	Hg ppb	Au pbb
52440	CHIP	DDH TR-90-9 345-348 ft. Light green to cream, medium green, feldspar porphyry, chlorite alteration (weak to moderate), plagioclase phenocrysts to 2mm, euhedral pyrite (cubes) 3-5% disseminated throughout, moderately magnetic.	34.3	132	5	5	31
52441	CHIP	DDH TR 90-9 348-351 ft. Fault gouge - breccia, tan grey A(O) mottled green, moderate chlorite alteration, rock fragments are tuffaceous 2-3% disseminated pyrite throughout.	31.5	107	2.4	5	2
52442	CHIP	DDH 90-9 351-354ft. Fault gouge-tan grey, breccia. A(O). 351-353ft-sand. 353.1ft-5cm porphyritic andesite, weak to moderate chlorite alteration. 353.1-354.0ft-grey sand fault gouge,feldspar phyric fragments, 1-3% disseminated pyrite throughout.	39.7	156	9.5	17	15
52443	CHIP	DDH 90-9 354-357ft.354-357ft - fault gouge, clay rich - rock fragments are porphrytic rhyolite (feldspar phyric) feldspars are clay altered. Disseminated pyrite 2-3% throughout.	29.6	200	1.7	5	2
52444	CHIP	DDH 90-9 357-360ft. Grey sandy clay fault gouge-rock fragments are maroon, porphyritic rhyolite (feldspar phyric) more rock fragments in section, sandy clay sections have a yellowish discolouration.	18	51	3.1	5	2
52445	CHIP	DDH 90-9 360-363ft. Grey fault gouge sulphide content increasing up to 6% disseminated pyrite locally trace arsenopyrite (?). 362-363ft-breccia conglomerate (?), matrix is grey clay-silty. 3-4% disseminated euhedral pyrite. No silicification.	69.3	294	7.4	5	10
52446	CHIP	Core 363-366ft. Strongly clay altered volcanic breccia - rock is quite competent-solid core. 5-7% disseminated pyrite throughout. Matrix and clasts, rock is clast supported breccia, matrix is grey clay.	83.4	483	13.9	11	25
52447	CHIP	DDH 90-9 366-371ft EOH. Mottled maroon grey-green clay altered breccia, rock is moderately magnetic. 3-5% disseminated fine grained pyrite throughout matrix and fragments, local yellowish stain - arsenopyrite (?).	80.9	400	8.2	5	6
52448	GRAB	Light to dark grey vesicular quartz phyric rhyolite, trace to 1% disseminated aresenopyrite.	4.8	197	42.9	3229	23
52449	GRAB	Orange/light to dark grey quartz phyric rhyolite, silicified, 1% disseminated arsenopyrite.	4.1	119	36.7	1280	13
52450	GRAB	Orange-grey quartz phyric rhyolite, <1% arsenopyrite.	3.6	93	39.6	921	15
52451	GRAB	Subcrop. Light-medium grey moderate propylitic altered ash tuff, trace sulphides.	44.6	331	6.1	88	2
52452	GRAB	Light-medium green, mottled maroon lapilli tuff from zone of calcite-epidote, silicified in places (tan).	7.6	30	8.7	17	1
52453	GRAB	Grey subangular float, strongly silicifed, chlorite+epidote veinlets.	4.6	30	2.9	24	3
52454	GRAB	White/brown 9cm wide carbonate vein with hematite veinlets.	3.1	49	3.6	51	5

ROCK SAMPLE DESCRIPTIONS AND GEOCHEMISTRY

SAMPLE	TYPE	NOTES	Cu ppm	Ag ppb	As ppm	Hg ppb	Au pbb
52455	GRAB	Dark grey lapilli ash tuff, weak propylitic alteration, silicified, disseminated sulphides (?), feldspar phyric, white-pink, phenocrysts 1mm, abundant.	14.3	30	2.4	19	3
52456	GRAB	Dark grey ash tuff, silicified, fractured, trace disseminated sulphides.	12.5	30	2.6	13	7
52457	GRAB	Brown-grey ash tuff, ankeritic alteration, weak propylitic alteration, calcite veinlets, weathered red-brown.	42.5	131	7.1	21	5
52458	GRAB	Brown-cream clay altered ash tuff.	51	208	3.1	83	10
52460	GRAB	Brown-orange, angular clay and hematite altered ash tuff, fractured with hematite veinlets.	53.1	55	2.5	63	6
52461	GRAB	Brown-orange, light grey quartz and carbonate veining in clay altered ash tuff, ankeritic alteration, vuggy, botryoidal goethite (?). Quartz vein brecciated in places with hematite matrix.	22.8	30	13.1	134	3
52462	GRAB	Brown-orange/cream clay altered, ash tuff, with hematite bands, 10% pyrite (?), trace chalcedony, slightly vuggy.	124.2	171	25	370	49
52463	GRAB	Brown-orange/cream clay altered silica and carbonate flooded brecciated in places, ash tuff, 10% pyrite (?).	42	223	15.1	157	21
52464	GRAB	Brown-orange carbonate flooded feldspar porphyry, slightly brecciated, weak propylitic and ankeretic alteration.	7	147	3	30	7
52465	GRAB	Subcrop. Brown-orange, ankerite altered ash tuff, clay altered, trace sulphides.	20.4	30	1.4	21	7
52466	GRAB	Brown-orange/cream-white, angular, altered feldspar porphyry, 5% sulphides, micro breccia with hematite veinlet infilling, slightly silicified in places.	34	224	4.9	229	8
52467	GRAB	Subcrop. Light grey-light green partial clay alteration, medium-fine grained feldspar phyric andesite, 15% pyrite as small blebs, trace chalcopyrite weathering orange-brown.	224.2	170	1.9	45	12
52468	GRAB	Subcrop. Light green medium grained feldspar and hornblende phyric, 10% pyrite as small blebs, trace chalcopyrite, same location as 52467.	2251.4	312	2.8	54	96
52469	GRAB	Subcrop. Grey felsite, pink and white medium grained feldspar phyric with 20-25% asicular hornblende.	13	30	1	21	12
52470	GRAB	Light grey feldspar phyric, silicified, magnetic, approximately 10% sulphides (pyrite as blebs and disseminations).	100.3	187	1.1	33	8
52471	GRAB	Orange ankeritc alteration, medium-grained ash tuff, trace sulphides.	25.9	30	4.8	40	6
52472	GRAB	Pink, light green rhyo-dacite, feldspar porphyry, breccia with quartz chalcedony coatings and veinlets.	5.9	5801	14.8	27	1401
52474	GRAB	Clay altered siltstone (?), cream-white, light green, alternating light green-cream bands 1cm wide.	7.6	30	2.4	10	1
52475	GRAB	Red scoria with orange and yellow stain, grey matrix in places, vesicular.	24.1	30	499.5	370	1
54280	GRAB	Subangular, grey and dark grey/black banded chert (?), minor quartz veining, trace disseminated pyrite.	17.9	1180	281.7	60	57

ROCK SAMPLE DESCRIPTIONS AND GEOCHEMISTRY

SAMPLE	TYPE	NOTES	Cu ppm	Ag ppb	As ppm	Hg ppb	Au pbb
54292	GRAB	Subangular, quartz/carbonate filled andesite breccia with 1-2% disseminated fine grained pyrite, arsenopyrite (?) in quartz/carbonate veining, angular andesite fragments are chlorite+epidote altered.	5.7	289	13.9	15	98
54293	GRAB	Rounded, grey/translucent quartz, irregular vuggy patches of argillic alteration, 1/2-1% disseminated fine grained silver metallic mineral, trace disseminated pyrite.	7.1	55	14	516	7
54294	GRAB	Subangular, silica flooded light greenish-grey volcanic breccia, vuggy white quartz veining, <1% disseminated fine grained arsenopyrite (?), <1% disseminated pyrite cubes.	4.9	307	16.2	874	18
54295	GRAB	Subangular, silica flooded, greyish-green andesite, moderate quartz veining, 1-2% disseminated fine grained pyrite throughout.	28.5	378	138.3	180	15
54296	GRAB	Rounded, light yellow-tan, medium grained intrusive (?), <1% disseminated pyrite throughout, silicified.	57.2	64	4.1	6	1
54297	GRAB	Angular, mottled yellow-black chalcedony flooded rhyolite breccia, angular fragments of quartz phyric rhyolite are argillically altered.	17.5	60	8.2	26	5
54298	GRAB	Angular, tan-grey chalcedony boulder, limonite staining on surface, dark grey chalcedony veins throughout, trace disseminated pyrite.	19.7	68	13.3	88	2
54299	GRAB	Tan-yellow quartz with light grey to black chalcedony veins and veinlets, limonite staining on fracture surfaces.	6.9	504	17.2	64	13
54300	GRAB	Iron stained, light grey-white quartz, minor chalcedony veinlets, trace to 1% disseminated fine grained metallic silver coloured mineral throughout.	31.8	238	22.8	277	1
54348	GRAB	Soft white and grey rhyolite, silicified.	5.1	30	44.8	85	2
54349	GRAB	Quartz phyric rhyolite as matrix of flow breccia. Blue-grey silica/chalcedony with disseminated grey sulphide, arsenopyrite (?), 80% silica and 20% soft white clay material.	3.6	30	49.8	58	1
54350	GRAB	Feldspar porphyry (1-2mm, crowded), orange around outside, centre is grey, foliated, ankeritic alteration, 1% disseminated pyrite (?).	68.9	290	4.3	149	1
54351	GRAB	Light brick red, feldspar porphyry in fracture zone, rusty in outcrop, ankeritic alteration, trace pyrite, weak silicification.	14.1	30	4.3	15	1
54352	GRAB	Subangular quartz boulder with 1-2% sulphides, quartz is massive to lacy, quartz after calcite (?), white banded chalcedony, drusy quartz.	7.9	12087	14.1	456	1419
54353	GRAB	Orange, grey ankeritic alteration, weakly silicified, feldspar porphyry, partly limonitic.	28.9	297	109.7	191	15
54354	GRAB	Lapilli tuff, matrix clay altered, some clasts clay altered, clasts angular <1mm to 5mm, clasts are feldspar porphyry, quartz phyric rhyolite, andesite.	10.7	35	4.6	5	3
54355	GRAB	Grey-tan clay altered crystal tuff, micro-brecciated with limonite veinlets.	12.8	99	2.5	121	3
54356	GRAB	Ash or crystalized tuff, light green-grey, weakly foliated, silicified carbonate veinlets, disseminated pyrite pods <1mm to 5mm throughout.	126.2	138	3.4	64	5

ROCK SAMPLE DESCRIPTIONS AND GEOCHEMISTRY

SAMPLE	TYPE	NOTES	Cu ppm	Ag ppb	As ppm	Hg ppb	Au pbb
54357	GRAB	Blue and white quartz veinlets in a 5cm wide fracture, abundant earthy limonite fills vugs, some euhedral quartz in open fractures.	12	94	45.2	402	1
54358	GRAB	Blue and white quartz veinlets in clay altered calcareous matrix, abundant limonite, ankerite.	34.5	172	7	182	1
54359	GRAB	Clay altered fragments from 5cm wide fault zone, limonite, malachite, azurite, ankerite.	5098.5	6089	91.3	1042	295
54360	GRAB	Silicified, clay altered, host, 15 mm quartz veins with ankerite, limonite in vugs.	127.7	1114	19.1	694	15
54361	GRAB	Silicified clay altered host with limonite veinlets.	29.1	266	41.5	300	1
54413	GRAB	Siliceous white quartz phyric rhyolite but some brecciation and minor clay alteration.	7.3	91	38.4	717	1
54414	GRAB	Light blue siliceous quartz phyric rhyolite but some clay alteration and chalcedony.	7.3	217	44.4	2371	19
54415	GRAB	Breccia. Small angular clasts of white silica rich rhyolite in brown matrix.	4.4	40	71.7	470	1
54416	GRAB	Light blue siliceous quartz phyric rhyolite with a few stringers of chalcedony and few grains of pyrite.	4.2	89	36.9	715	8
54417	GRAB	Bright orange clay alteration/weathering and bluish siliceous quartz phyric rhyolite.	5.1	58	33.3	4608	1
54418	GRAB	Clay altered fault gouge.	3.9	51	20	1776	1
54419	GRAB	Rhyolite, some brecciation, clay alteration, silicification, no visible sulphides.	7.5	74	23.3	2265	1
54824	GRAB	*Silicified felsic-intermediate volcanic, chalcedony infusions, trace pyrite.*	5.1	31	1.7	13	1
54825	GRAB	Silicified brecciated felsic volcanic.	1.6	30	2.2	13	1
54826	GRAB	Silicified banded tuff.	2.4	30	1.5	5	1
54827	GRAB	Siliceous felsic rhyolite-tuff (?), chalcedony inclusions.	2.1	30	0.8	335	1
54828	GRAB	Tuff-silica breccia, iron staining, vuggy.	83.6	96	29	381	2
54829	GRAB	Siliceous lapilli tuff with chalcedony veinlets, minor yellowish arsenopyrite.	3.3	30	17.7	1768	1
54830	GRAB	Siliceous, light grey volcanic, argillically altered feldspar phenocrysts, reddish stain.	4.5	39	25.9	1824	12
54831	GRAB	Kaolinized pinkish-yellow rhyolite (?), siliceous, tuffaceous in places.	3.2	39	43.1	57	9
54832	GRAB	Subrounded, quartz phyric rhyolite with quartz stringers and coated fracture surfaces.	11.6	134	2.7	33	1
54833	GRAB	Rhyolite, siliceous, silica bands, vugs of crystalline quartz.	3.9	80	47.4	67	1
54834	GRAB	Coarse, clast, silicified brecciated, mariposite, green staining in quartz.	3.9	127	27	1690	1
54835	GRAB	Calcite rich volcanic, very minute quartz stringers, iron stained.	35.2	82	4.3	127	1
54836	GRAB	Rounded, silicified, bluish coloured cobble, epidote+quartz rich rock.	5.3	30	16.5	1314	1
54837	GRAB	Silica flooded breccia, large and small clasts, greenish tint to quartz, yellow staining in places.	5.4	2850	131	23	54
54839	GRAB	Subangular, rhyolite with epidote+quartz+chalcedony stringers, iron stained.	1.6	30	10.5	22	15
54840	GRAB	Subcrop. Bluish-grey silicified rhyolite (?) with 3-4cm band chalcedony vein.	4.2	30	11.2	1675	11
54841	GRAB	Subrounded, quartz-breccia in silicified rhyolite (?), blue-grey silica matrix.	8.2	143	3.6	56	17

ROCK SAMPLE DESCRIPTIONS AND GEOCHEMISTRY

SAMPLE	TYPE	NOTES	Cu ppm	Ag ppb	As ppm	Hg ppb	Au pbb
54842	GRAB	Angular, quartz-rhyolite breccia, epidote+quartz clasts.	3.8	65	7.6	16	3
54843	GRAB	Subangular, silica flooded, blue-grey rhyolite with epidote+quartz inclusions and coatings, possibly arsenopyrite, yellow staining.	3.8	343	9.3	36	112
54844	GRAB	Tuff-rhyolite clasts in silica breccia, ironing staining.	13.9	2060	5.3	24	1684
54845	GRAB	20cm rounded, quartz-chalcedony boulder.	8.3	65	5.2	7	23
54846	GRAB	Subcrop. Altered siliceous rhyolite with 1cm bands epidote+quartz, locally brecciated.	3.8	59	18.6	1694	27
54847	GRAB	Very siliceous, slightly vesicular feldspar (kaolinized) porphyry.	3.9	30	7.6	756	11
54848	GRAB	Siliceous rhyolite with epidote+quartz bands to 1.5cm, vuggy.	4.5	73	15.7	1394	17
54849	GRAB	Rhyolite with small vugs, brownish epidote+quartz.	4.3	103	7.2	45	32
54850	GRAB	Silicified rhyolite with rusty stringers.	5.5	60	4.2	151	3
54851	GRAB	Subangular, rhyolite with 1.5cm epidote+quartz stringers.	5.7	1297	10.4	49	79
54852	GRAB	Angular, banded silicified rhyolite with quartz stringers and massive chalcedony.	24.9	30	4.8	22	4
54853	GRAB	Angular, siliceous rhyolite (?), bluish to white, very minor calcite.	19.8	31	3	29	3
54854	GRAB	Subangular, rhyolite, yellowish with chalcedony veinlets to .6cm.	17.8	30	9.1	55	4
54855	GRAB	Subrounded, silica-chalcedony cobble, 10cm, green-blue-white wavy bands.	21.1	30	4	13	2
54856	GRAB	Black sediment, bands of magnetite and pyrite or pyrrhotite to 30%.	106.1	34	3.9	22	5
54857	GRAB	Subrounded, siliceous-chalcedony breccia, dark coloured with rhyolite fragments.	25.6	30	2.2	10	2
54858	GRAB	Angular, rhyolite, iron stained, micaceous with chalcedony vug fillings.	4.8	30	1.9	19	3
54859	GRAB	Subangular, milky-white rhyolite with bands and coatings of epidote+quartz.	3.8	45	3.5	32	3
54860	GRAB	Subangular, siliceous, dark grey, fine-grained sediment (?), pyrrhotite, disseminated and fine grained stringers to 10%.	23.7	180	9.9	31	12
54861	GRAB	Subrounded, greyish, siliceous rhyolite with epidote+quartz inclusions, yellowish staining.	4	30	1	18	1
54862	GRAB	Angular, extremely fine grained tuff-rhyolite, heavy gossan coating, mud-brown colour.	0.9	30	0.7	197	3
54863	GRAB	Calcite-rich volcanic (?), minute quartz stringers.	2.7	30	1	22	1
54903	GRAB	Quartz phyric rhyolite, iron staining on fractures, siliceous.	2.2	41	2.4	86	4
54904	GRAB	White, argillically altered quartz phyric rhyolite, vuggy quartz, iron staining.	3.3	91	22	31	29
54905	GRAB	Siliceous, quartz phyric rhyolite, rusty fragments.	4.4	137	4.3	23	18
54951	GRAB	Angular, white, fine sugary textured bull quartz, massive, local banding of quartz, weak iron staining on fractures.	3.5	30	3.2	9	1
54952	GRAB	Angular, mottled white-dark grey silica, minor iron staining on fractures, minor chalcedony veinlets.	4.1	106	3.5	5	1
54953	GRAB	Subrounded, mottled greenish-grey, quartz-carbonate boulder, moderate iron staining on fractures.	6.6	49	2.3	12	3
54954	GRAB	Subrounded, silica flooded andesite breccia, blue-grey chalcedony infilling around fragments, trace disseminated euhedral pyrite.	12	30	1.1	21	5

SAMPLE	TYPE	NOTES	Cu ppm	Ag ppb	As ppm	Hg ppb	Au pbb
54958	GRAB	Subrounded, silica flooded, felsic volcanic breccia, minor chalcedony veinlets, trace disseminated pyrite, iron staining on fractures.	3.9	131	4.8	27	13
54959	GRAB	Angular, silica flooded, andesite breccia, abundant chlorite+epidote alteration of fragments, 1% disseminated pyrite.	26.2	30	1.3	29	3
54960	GRAB	Rounded, argillically altered, silica flooded rhyolite with minor chalcedony veinlets.	2.2	30	4.5	77	10
54961	GRAB	Angular, banded quartz-chalcedony, vuggy, light tan to red colour, brecciated with drusy quartz infilling cavities.	3.6	108	42.5	153	34
54962	GRAB	Subangular, argillically altered, silica flooded lapilli tuff, minor iron staining on fractures.	4.2	60	10	1804	1
54963	GRAB	Subrounded, cherty rock, fractured, red and brown staining along fractures, minor yellow coloured alteration in vug.	1.7	30	6.3	26	1
54964	GRAB	Rounded, grey rhyolite breccia, chalcedony infilling vugs and around angular fragments, orangy stain on fractures.	2	30	2.9	112	1
54965	GRAB	Grey-brown chalcedony, massive, minor iron staining.	8.7	30	2.3	34	1
54966	GRAB	Round, silica flooded rhyolite breccia, argillically altered fragments, iron staining on fractures.	4.5	480	66.5	36	3
54967	GRAB	Rounded, massive quartz+chalcedony boulder, mottled white to dark grey, local iron/reddish staining on fractures.	7.8	30	29.8	73	1
54968	GRAB	Grey, silica flooded rhyolite breccia, chalcedony infilling voids and fracture fillings around fragments.	4.3	64	31.6	579	13
54969	GRAB	Mottled grey to light grey, silicified andesite (?), <1% disseminated pyrite.	6.7	34	5.3	20	1
54970	GRAB	Outcrop, clay altered sheared rhyolite, yellow-tan colour, local iron staining, thin layers of white chalcedony along shear planes, shearing 140 degrees/vertical.	2.6	30	48.7	1593	2
54971	GRAB	Sheared, iron stained, clay altered rhyolite (?).	3.3	30	84.2	1847	2
54972	GRAB	White chalcedony filled breccia with dark grey to tan chert (?) fragments, rock is brecciated.	4.2	41	39.1	1315	2
54973	GRAB	Subangular, mottled grey, green-white chalcedony, brecciated with iron staining on fractures.	13.3	30	4.5	118	2
54974	GRAB	Rounded, grey feldspar phyric rhyolite breccia, matrix is iron stained, rock is silica flooded, minor yellowish alteration.	5.6	30	3.4	61	1
54975	GRAB	Angular, grey quartz phyric rhyolite breccia, orange and reddish stain on weathered surface.	4.9	30	55.9	58	1
54976	GRAB	Rounded, silica flooded breccia, trace to 1% disseminated sulphides.	9.7	342	18.7	543	2
54977	GRAB	Subrounded, grey-blue massive quartz, wispy banding in rock, trace to 1/2% disseminated pyrite, drusy quartz on some surfaces, iron staining on others.	107	30	23.9	203	1
54978	GRAB	Rounded, clay altered rhyolite with banded chalcedony veins, rock is silicified, trace disseminated sulphide, very fine grained, rock is vuggy.	4.9	30	6	367	1

ROCK SAMPLE DESCRIPTIONS AND GEOCHEMISTRY

SAMPLE	TYPE	NOTES	Cu ppm	Ag ppb	As ppm	Hg ppb	Au pbb
54979	GRAB	Rounded, mottled white/tan, silica flooded rock, argillically altered, moderate orange and red staining on fractures.	2.2	30	5.3	16	1
54980	GRAB	Subangular, silica flooded (banded) rock, limonite and red staining also in bands in chalcedony, manganese staining on fractures.	2	30	3	9	1
54981	GRAB	Grey silica flooded rock, chlorite+epidote altered in stringers, looks like rehealed breccia, trace disseminated fine sulphide.	16.1	30	2.9	12	9
54982	GRAB	Subangular, plagioclase phenocrysts, clay altered, blue-grey silica flooded porphyritic rhyolite, quartz and vuggy quartz along one side of rock, <1% disseminated very fine grained pyrite throughout.	9	292	10.4	50	4
54983	GRAB	Round, mottled blue-dark grey, silica flooded quartz phyric rhyolite, minor feldspar phenocrysts up to 3mm, throughout rock is <1% disseminated very fine grained metallic silver mineral.	3.4	30	2	6	1
54984	GRAB	Round, massive white, banded bull quartz, locally vuggy with drusy quartz infilling, trace disseminated pyrite.	58.1	32746	10.1	5	8
54985	GRAB	Abundant, angular, brecciated rhyolite with abundant blue grey chalcedony veining, trace iron staining on fractures.	2.2	156	0.5	5	1
54986	GRAB	Massive vuggy quartz, trace disseminated pyrite.	2.4	71	5.6	5	1
54987	GRAB	Quartz-chalcedony boulder, iron and red staining on fractures.	6.3	26621	4.8	5	12
54988	GRAB	Angular, tan-grey, vitreous porphyritic rhyolite (both quartz and feldspar phenocrysts) and 10cm wide vuggy quartz vein with disseminated pyrite.	7.7	3233	27.7	30	293
54989	GRAB	Subrounded, mottled, tan-dark grey-white-red rhyolite breccia with quartz and chalcedony infilling around angular rhyolite fragments.	4.8	264	36.6	1892	23
54990	GRAB	Angular, grey-blue-green silica flooded volcanic, 1% stringers of silver metallic mineral.	29	333	5.4	25	6
54991	GRAB	Round, orangy-tan-red to dark grey banded chalcedony, trace disseminated pyrite.	3.7	37	2.4	18	4
54992	GRAB	Subangular, greenish-grey, fine grained silica flooded volcanic, 4-5% disseminated fine grained pyrite.	36	114	4.7	26	4
55238	GRAB	Chalcedony boulder, trace disseminated fine grained sulphide.	29.9	30	3.3	11	3
55239	GRAB	Siliceous rhyolite, vuggy, trace pyrite.	13.6	38	7.9	460	2
55240	GRAB	Rhyolite with 2-3mm bands chalcedony (60%).	20.4	61	4.8	51	2
55241	GRAB	Angular, blue-white chalcedony bands in purplish rhyolite (?), vuggy and iron stained.	20.2	30	1.3	32	2
55242	GRAB	Silicified rhyolite boulder.	6.1	30	0.9	8	3
55243	GRAB	.7m boulder, silica flooded rhyolite.	8.2	30	1	5	2
55244	GRAB	Silicified, bluish lapilli-tuff.	8.6	58	47.1	13	2
55245	GRAB	Angular, chalcedony-quartz banded rock, no visible sulphides.	7.3	145	8.5	13	1
55246	GRAB	Siliceous rhyolite, vesicular.	6.2	43	4	2381	1
55247	GRAB	Subrounded, banded chalcedony boulder, vuggy, no visible sulphides.	14.2	30	1	25	1

ROCK SAMPLE DESCRIPTIONS AND GEOCHEMISTRY

SAMPLE	TYPE	NOTES	Cu ppm	Ag ppb	As ppm	Hg ppb	Au pbb
55248	GRAB	Rhyolite-breccia, silica flooded.	4.7	30	1.3	17	1
55249	GRAB	Subrounded, grey to green quartz, fine grained and blebs of pyrite.	35.4	202	4	15	1
55250	GRAB	Subrounded, greenish, chalcedony with pyrite in blebs.	26	32	0.9	8	1
55251	GRAB	Subrounded, rhyolite with quartz and chalcedony bands.	6.7	83	23.3	135	1
55252	GRAB	Rounded, chalcedony and rhyolite, no visible sulphides, quartz phyric rhyolite.	5.2	30	2.4	16	1
55253	GRAB	Subrounded, banded chalcedony, rhyolite, very fine pyrite in dark spots.	31.6	350	1.7	5	1
55254	GRAB	Subrounded, blue-black quartz, brecciated with epidote+quartz, fine sulphides and blebs.	28.8	2085	9451.6	101	287
55255	GRAB	Angular, buff, chalcedony-agate, trace pyrite.	12.8	51	120.5	22	7
55256	GRAB	Rounded, dark, silica matrix breccia, fine grained pyrite to 2%.	22.9	123	14.1	5	1
55257	GRAB	Subrounded, completely silicified, yellowish rhyolite, no visible sulphides.	6.3	54	53.6	5	1
55258	GRAB	Angular, siliceous, banded, brecciated rhyolite, fine grained pyrite.	5.4	30	13	18	1
55259	GRAB	Angular, epidote+quartz breccia.	6.9	1461	17.4	501	1107
55260	GRAB	Angular, pinkish, chloritic feldspar porphyry, slightly brecciated with epidote+quartz, trace pyrite.	4.5	1337	21.6	1858	882
55262	GRAB	Subrounded, argillically altered rhyolite, breccia infilled with dark grey chalcedony, no visible sulphides.	9.2	7679	18.4	173	253
55263	GRAB	Round, vuggy chalcedony-quartz, vugs infilled with iron stains, white to green in colour.	12.4	311	7.3	22	133
55264	GRAB	Subrounded, whitish-grey quartz breccia, 2% diss pyrite as aggregates.	6.8	356	1.3	28	48
55265	GRAB	Subangular, banded chalcedony, dark blue, red, green, white, trace disseminated fine grained sulphide.	21.4	30	0.5	39	3
55266	GRAB	Round, white/grey quartz, local pods of dark grey quartz, trace disseminated pyrite.	5.1	30	3.3	5	1
55267	GRAB	Banded white, light grey chalcedony.	4.4	30	0.5	83	1
55268	GRAB	Dark blue-grey chalcedony, vuggy, reddish/green stain, trace disseminated pyrite.	19.3	30	0.5	14	1
55269	GRAB	Subangular, mottled grey/tan silica flooded breccia, trace disseminated fine grained sulphides.	4	36	11.5	495	3
55270	GRAB	Angular, grey/blue/green banded chalcedony, trace disseminated sulphides.	12.1	30	1.4	25	1
55271	GRAB	Angular, light grey, fine grained volcanic, circular splashes of sulphide throughout.	6.1	163	22.8	330	1
55274	GRAB	Silicified sandstone, abundant yellow stain on fracture surfaces, arsenopyrite (?), possibly "moat facies" material.	7.2	1986	384.1	464	47
55275	GRAB	Angular, tan chalcedony with black irregular stringers, possibly fine grained sulphide, iron stain on fracture surfaces.	7.3	100	59.9	23	1
55276	GRAB	Massive, tan chalcedony with circular, stellate sulphide growths, some are concentric, host is silica flooded rhyolite.	8.7	135	27.4	18	1

ROCK SAMPLE DESCRIPTIONS AND GEOCHEMISTRY

SAMPLE	TYPE	NOTES	Cu ppm	Ag ppb	As ppm	Hg ppb	Au pbb
55277	GRAB	Round, fine grained sugary quartz boulder with secondary quartz banding throughout (pitted), trace to 1% disseminated pyrite as cubes, drusy quartz in fracture surfaces.	9.4	87	9.7	14	2
55278	GRAB	Subangular, quartz/chalcedony breccia, vuggy, with drusy quartz lining cavities, minor iron staining.	10.1	87	20.7	106	2
55279	GRAB	Subangular, vuggy banded quartz/chalcedony, white to dark grey, locally iron stained, drusy quartz lining cavities, <1% disseminated arsenopyrite (?), fine grained.	6.4	30	26	68	1
55280	GRAB	Round, quartz/chalcedony, orangy-tan to dark grey, iron stained chalcedony bands to 5mm wide.	6	87	38.7	686	1
55281	GRAB	Subrounded, white to dark grey banded chalcedony, abundant iron staining on fractures, 1% disseminated fine grained arsenopyrite, trace disseminated pyrite.	4.8	135	6.4	12	1
55282	GRAB	Round, weakly banded, grey, massive silica, 1% disseminated fine grained pyrite in aggregates.	3.6	32	4.3	11	1
55283	GRAB	Subrounded, mottled grey-white aphanitic rock with trace silver metallic mineral disseminated throughout.	3.2	30	0.5	40	1
55285	GRAB	Chalcedony breccia, iron stained.	14.1	896	55.8	5	42
55286	GRAB	Subrounded, mottled grey-green chalcedony breccia.	10.3	1047	41.6	5	130
55287	GRAB	Chalcedony breccia.	15.1	1854	51	13	216
55288	GRAB	Banded chalcedony.	13.8	376	12.6	36	213
56001	GRAB	Angular, silicified, purplish quartz phryic rhyolite (?), local epidote+quartz breccia.	8.9	4611	103.8	164	1802
56002	GRAB	Calcareous, siliceous, andesite, trace pyrite.	3.3	170	5.7	14	37
56003	GRAB	Angular, quartz/carbonate filled andesite breccia.	18.2	822	31.2	9	36
56004	GRAB	Andesite breccia with quartz-carbonate.	5.5	3857	12.4	34	1564
56005	GRAB	Rhyo-dacite, pyrite in minute stringers and on fracture surfaces.	6.2	940	46.1	3286	260
56006	GRAB	Andesite breccia, quartz filled, disseminated pyrite.	26.1	2350	70.8	75	99
56015	GRAB	Angular boulder, dark coloured, banded chalcedony-quartz.	11.4	2145	213	237	58
56016	GRAB	Subrounded, rhyolite, silica flooded, fine grained disseminated pyrite on fractures.	10.9	85	453.8	594	10
56017	GRAB	Angular, quartz and chalcedony banded, tuffaceous rock.	6.6	668	52.6	402	6
56018	GRAB	Angular, partially silicified, sediment, yellow stain.	4.3	240	67.2	157	4
56019	GRAB	Subangular, banded quartz, small rusty vugs, no visible sulphides.	6.3	106	50	109	3
56020	GRAB	1mx1m quartz boulder, vuggy, banded, epidote+quartz, breccia, no visible sulphides.	5.8	30	47.9	55	2
56021	GRAB	Subangular, quartz-chalcedony boulder, banded, epidote+quartz, breccia.	9.5	37	49.3	68	4
56022	GRAB	Angular, brecciated quartz boulder, iron staining, vuggy, well cemented, no visible sulphides.	6.6	373	103.7	300	25

ROCK SAMPLE DESCRIPTIONS AND GEOCHEMISTRY

SAMPLE	TYPE	NOTES	Cu ppm	Ag ppb	As ppm	Hg ppb	Au pbb
56023	GRAB	1mx1m quartz boulder, pinkish to grey, chalcedony in places, no visible sulphides.	9.1	39	34.3	75	2
56024	GRAB	.7m brittle, black, quartz boulder, very fine sulphides.	9	30	169	364	1
56025	GRAB	Subrounded, rhyolite breccia, quartz matrix, no visible sulphides.	4.2	50	29.9	158	2
56026	GRAB	Quartz phyric rhyolite, vuggy, iron staining.	4.8	140	16.3	46	16
56027	GRAB	Quartz flooded rhyolite, very fine grained sulphides.	4.6	83	32.5	357	2
56031	GRAB	Subcrop, quartz phyric rhyolite.	3.5	53	10.2	863	1

SOIL SAMPLE DESCRIPTIONS AND GEOCHEMISTRY

SAMPLE	EAST	NORTH	TYPE	MATERIAL	REMARKS	Au ppb	Ag ppb	As ppm	Sb ppm	Hg ppb
55971	6000	8400	SOIL	TILL		3	30	1.3	0.2	21
55970	6050	8400	SOIL	TILL		1	30	2.4	0.2	22
55969	6100	8400	SOIL	TILL		2	30	3.6	0.2	25
55968	6150	8400	SOIL	TILL		1	30	3.2	0.2	22
55967	6200	8400	SOIL	TILL		1	50	6.8	0.3	23
55966	6250	8400	SOIL	TILL		1	30	2.2	0.2	23
55965	6300	8400	SOIL	TILL		2	30	3.3	0.2	46
55964	6350	8400	SOIL	TILL		1	32	2	0.2	23
55963	6400	8400	SOIL	TILL		1	55	3.5	0.3	44
55962	6450	8400	SOIL	TILL		1	72	7.2	0.4	51
55961	6500	8400	SOIL	TILL		1	30	2.4	0.2	46
55960	6550	8400	SOIL	ORGANIC		4	352	8.6	1	164
55959	6600	8400	SOIL	TILL		1	145	10.1	1.8	109
55958	6650	8400	SOIL	TILL		1	30	1.4	0.2	29
55957	6700	8400	SOIL	TILL		1	30	1.9	0.2	41
55956	6750	8400	SOIL	TILL		1	39	4	0.5	27
55955	6800	8400	SOIL	TILL		1	30	2.5	0.5	36
55954	6850	8400	SOIL	TILL		1	30	2.3	0.5	61
55953	6900	8400	SOIL	TILL		1	30	3.3	0.3	43
55952	6950	8400	SOIL	TILL		1	30	5.4	0.6	42
55951	7000	8400	SOIL	TILL		1	30	1.6	0.2	34
55950	7050	8400	SOIL	TILL		1	30	1.6	0.2	17
55949	7100	8400	SOIL	TILL		1	30	3.9	0.2	38
55948	7150	8400	SOIL	TILL	BESIDE ROAD 500.	1	33	11.6	0.5	119
55972	7200	8400	SOIL	TILL	BESIDE ROAD 500.	1	34	3.2	0.2	94
55973	7250	8400	SOIL	TILL		1	30	2.6	0.2	52
55974	7300	8400	SOIL	TILL		1	30	1.9	0.2	27
55975	7350	8400	SOIL	TILL		1	30	3.1	0.2	32
55976	7400	8400	SOIL	SAND		1	30	5	0.3	77
55977	7450	8400	SOIL	TILL		1	30	2.6	0.2	29
55978	7500	8400	SOIL	TILL		1	30	2.1	0.2	18
55979	7550	8400	SOIL	TILL		1	30	3.7	0.2	26
55980	7600	8400	SOIL	TILL		1	30	2.4	0.2	15
55981	7650	8400	SOIL	TILL		1	30	2.1	0.2	16
55982	7700	8400	SOIL	TILL		1	30	4	0.2	10

CUTOFF PROPERTY

SOIL SAMPLE DESCRIPTIONS AND GEOCHEMISTRY

PROJECT 248

SAMPLE	EAST	NORTH	TYPE	MATERIAL	REMARKS	Au ppb	Ag ppb	As ppm	Sb ppm	Hg ppb
55983	7750	8400	SOIL	TILL		1	118	8.6	0.5	73
55984	7800	8400	SOIL	TILL		1	30	3	0.2	26
55985	7850	8400	SOIL	TILL		3	30	2.3	0.2	18
55986	7900	8400	SOIL	TILL		1	49	2.5	0.2	28
55987	7950	8400	SOIL	TILL		1	89	2.4	0.2	36
55988	8000	8400	SOIL	TLIL		36	64	2.2	0.2	18
55989	8050	8400	SOIL	TILL		22	82	3.3	0.3	6
55990	8100	8400	SOIL	TILL		36	63	10.3	0.6	17
55991	8150	8400	SOIL	TILL		3	30	7.6	0.4	49
55992	8200	8400	SOIL	TILL		22	32	3.2	0.2	16
55993	8250	8400	SOIL	TILL		1	30	3.9	0.3	25
55994	8300	8400	SOIL	TILL		1	30	2.8	0.2	9
55996	8350	8400	SOIL	ORGANIC		7	52	1.8	1	96
55997	8400	8400	SOIL	TILL		2	55	4.6	0.3	27
55998	8450	8400	SOIL	TILL		1	30	2.5	0.3	12
55999	8500	8400	SOIL	TILL	BESIDE LAKE.	1	75	1.8	0.2	10
56133	6000	8700	SOIL	TILL		1	30	2.2	0.2	42
56132	6050	8700	SOIL	TILL		1	30	1.6	0.2	24
56131	6100	8700	SOIL	TILL		1	30	2.7	0.2	17
56130	6150	8700	SOIL	TILL		1	30	2.7	0.2	19
56129	6200	8700	SOIL	TILL		2	30	1.4	0.2	28
56128	6250	8700	SOIL	TILL		1	38	3.7	0.2	29
56127	6300	8700	SOIL	TILL		3	30	1.5	0.2	10
56126	6350	8700	SOIL	TILL		1	30	1.1	0.2	45
56125	6400	8700	SOIL	TILL		7	30	1.9	0.2	29
56124	6450	8700	SOIL	TILL		1	30	1.3	0.2	21
56123	6500	8700	SOIL	TILL		1	30	1.5	0.2	28
56122	6550	8700	SOIL	TILL		1	30	2.2	0.2	26
56121	6600	8700	SOIL	TILL		1	35	1.4	0.2	24
56120	6650	8700	SOIL	TILL		1	58	1.9	0.2	33
56119	6700	8700	SOIL	TILL	GULLEY 67+25.	74	48	3.1	0.3	41
56118	6750	8700	SOIL	TILL		1	51	1.9	0.2	42
56117	6800	8700	SOIL	TILL		3	30	2	0.2	23
56116	6850	8700	SOIL	TILL	GULLEY 68+35.	1	30	6.1	0.5	42
56115	6900	8700	SOIL	TILL		1	57	5.6	0.5	47

SAMPLE	EAST	NORTH	TYPE	MATERIAL	REMARKS	Au ppb	Ag ppb	As ppm	Sb ppm	Hg ppb
56114	6950	8700	SOIL	TILL		1	36	2.2	0.3	48
56113	7000	8700	SOIL	TILL		1	30	2.9	0.2	16
56112	7050	8700	SOIL	TILL		1	44	6.6	0.7	35
56111	7100	8700	SOIL	TILL		1	30	2	0.3	40
56110	7150	8700	SOIL	TILL		11	32	1.9	0.2	25
56109	7200	8700	SOIL	TILL		1	30	1.6	0.2	37
56108	7250	8700	SOIL	TILL		1	30	1.1	0.2	18
56107	7300	8700	SOIL	TILL		1	38	2.7	0.2	16
56106	7350	8700	SOIL	TILL		1	31	1.6	0.2	24
56105	7400	8700	SOIL	TILL		1	30	2.9	0.2	154
56104	7450	8700	SOIL	TILL		3	43	2.2	0.2	44
56103	7500	8700	SOIL	TILL		2	32	3.9	0.3	44
56102	7550	8700	SOIL	TILL		1	30	1.9	0.2	17
56101	7600	8700	SOIL	TILL	ROAD 500 AT 76+40.	2	30	2.9	0.2	7
56134	7650	8700	SOIL	TILL	500 ROAD AT 76+40.	10	30	3.9	0.2	30
56135	7700	8700	SOIL	TILL		1	30	2.5	0.2	21
56136	7750	8700	SOIL	TILL		1	30	2.5	0.2	16
56137	7800	8700	SOIL	TILL		1	36	2.6	0.2	63
56138	7850	8700	SOIL	TILL		1	30	2.8	0.2	22
56139	7900	8700	SOIL	TILL		1	30	2	0.2	6
56140	7950	8700	SOIL	TILL		2	30	2.6	0.2	17
56141	8000	8700	SOIL	TILL		1	30	2.6	0.2	6
56142	8050	8700	SOIL	TILL		1	30	2	0.2	12
56143	8100	8700	SOIL	TILL		2	30	2.2	0.2	17
56144	8150	8700	SOIL	TILL		4	30	2.3	0.2	10
56145	8200	8700	SOIL	TILL		1	30	3.6	0.2	13
56146	8250	8700	SOIL	TILL		3	30	2.9	0.2	28
56147	8300	8700	SOIL	TILL		1	30	2.4	0.2	14
56149	8350	8700	SOIL	TILL		2	30	3.9	0.2	17
56150	8400	8700	SOIL	TILL		1	30	4.5	0.2	16
56151	8450	8700	SOIL	TILL		2	42	1.8	0.2	16
56153	8550	8700	SOIL	TILL		2	46	1.9	0.2	12
56154	8600	8700	SOIL	TILL		1	44	3.4	0.2	28
56155	8650	8700	SOIL	TILL		2	58	1.7	0.2	5
56156	8700	8700	SOIL	TILL	OUTCROP AT 86+90, 5M N.	5	68	2.4	0.2	16

SAMPLE	EAST	NORTH	TYPE	MATERIAL	REMARKS	Au ppb	Ag ppb	As ppm	Sb ppm	Hg ppb
56157	8750	8700	SOIL	TILL	LAKE AT 87+55.	5	65	2.8	0.2	5
55911	6000	9000	SOIL	TILL		2	30	3.1	0.2	55
55910	6050	9000	SOIL	TILL		1	30	2.8	0.2	42
55909	6100	9000	SOIL	TILL	N/S 62+00E, 61+50E, SWAMP 61+15.	2	30	1.4	0.2	33
55908	6250	9000	SOIL	TILL	SWAMP AT 62+40.	1	30	1.8	0.2	38
55907	6300	9000	SOIL	TILL		1	30	3.4	0.2	45
55906	6350	9000	SOIL	TILL		2	30	1	0.2	43
55905	6400	9000	SOIL	TILL		1	30	2.1	0.2	40
55904	6450	9000	SOIL	TILL		2	38	2.8	0.2	40
55903	6500	9000	SOIL	TILL		2	30	2.6	0.2	50
55902	6550	9000	SOIL	TILL		1	30	1.9	0.2	36
55901	6600	9000	SOIL	TILL		7	33	1.6	0.2	29
55899	6700	9000	SOIL	TILL		1	33	1.2	0.2	40
55898	6750	9000	SOIL	TILL		4	31	1.2	0.2	35
55900	6750	9000	SOIL	TILL		1	31	0.9	0.2	32
55897	6800	9000	SOIL	TILL		1	38	2.7	0.4	62
55896	6850	9000	SOIL	TILL		1	188	9.1	0.5	125
55895	6900	9000	SOIL	TILL		2	42	3.7	0.3	50
55894	6950	9000	SOIL	TILL		1	30	1.9	0.2	53
55893	7000	9000	SOIL	TILL		1	30	5.2	0.4	66
55892	7050	9000	SOIL	TILL		1	30	7.6	0.6	103
55891	7100	9000	SOIL	TILL	SWAMP AT 71+40 TO 71+15.	1	30	2.7	0.2	52
55890	7150	9000	SOIL	TILL		1	43	6.2	0.4	53
55889	7200	9000	SOIL	TILL		1	30	7.5	0.6	90
55888	7250	9000	SOIL	TILL		1	30	2.7	0.2	24
55887	7300	9000	SOIL	TILL		3	30	1.6	0.2	27
55886	7350	9000	SOIL	TILL		1	30	3.7	0.3	29
55885	7400	9000	SOIL	TILL		1	30	2.4	0.2	32
55884	7450	9000	SOIL	TILL		1	30	2.5	0.2	34
55883	7500	9000	SOIL	TILL		5	30	4.2	0.2	34
55882	7550	9000	SOIL	TILL		1	30	7.8	0.3	50
55881	7600	9000	SOIL	TILL		2	30	3.7	0.2	75
55880	7650	9000	SOIL	TILL		1	48	3.4	0.2	58
55879	7700	9000	SOIL	TILL		1	77	5.3	0.3	66
55878	7750	9000	SOIL	TILL		1	142	6.1	0.2	90

SAMPLE	EAST	NORTH	TYPE	MATERIAL	REMARKS	Au ppb	Ag ppb	As ppm	Sb ppm	Hg ppb
55877	7800	9000	SOIL	TILL		1	35	6.9	0.2	49
55876	7850	9000	SOIL	TILL		1	30	5.6	0.2	56
55875	7900	9000	SOIL	TILL		1	30	4.1	0.2	30
55874	7950	9000	SOIL	TILL		2	30	3.7	0.2	30
55873	8000	9000	SOIL	TILL		1	30	3.1	0.2	24
55872	8050	9000	SOIL	TILL		1	30	1.9	0.2	34
55871	8100	9000	SOIL	TILL		1	30	3.2	0.2	35
55870	8150	9000	SOIL	TILL	500 ROAD AT 81+65.	1	30	4.9	0.5	20
55869	8200	9000	SOIL	TILL		1	30	3.4	0.2	25
55868	8250	9000	SOIL	TILL		2	30	5.5	0.2	45
55867	8300	9000	SOIL	TILL		2	30	2.9	0.2	17
55866	8350	9000	SOIL	TILL		1	30	2.2	0.2	22
55865	8400	9000	SOIL	TILL		1	30	2	0.2	29
55864	8450	9000	SOIL	TILL		1	30	2.2	0.2	13
55863	8500	9000	SOIL	TILL		1	30	2.2	0.2	24
55862	8550	9000	SOIL	TILL		1	30	2.3	0.2	25
55861	8600	9000	SOIL	TILL		2	30	2.1	0.2	43
55860	8650	9000	SOIL	TILL		8	30	3.7	0.2	30
55859	8700	9000	SOIL	TILL		1	30	2.2	0.2	22
55858	8750	9000	SOIL	TILL		1	32	3.3	0.2	31
55857	8800	9000	SOIL	TILL		1	58	3.2	0.2	35
55856	8850	9000	SOIL	TILL		1	30	1.8	0.2	14
55855	8900	9000	SOIL	TILL		4	34	4.1	0.2	14
55854	8950	9000	SOIL	TILL		11	45	2.8	0.2	13
55853	9000	9000	SOIL	TILL	GOOD SOIL.	3	40	3.6	0.2	16
55852	9050	9000	SOIL	TILL		1	58	3.1	0.2	23
55851	9100	9000	SOIL	TILL		1	52	3.3	0.2	19
55850	9150	9000	SOIL	TILL		1	36	4.6	0.2	16
55849	9200	9000	SOIL	TILL	LAKE AT 92+30.	1	51	4	0.3	28
52117	7000	9300	SOIL	TILL		61	57	2.8	0.3	37
52118	7050	9300	SOIL	TILL		11	74	6	0.7	60
52119	7100	9300	SOIL	TILL	SPRUCE GROVE (WET SOIL).	2	32	4.6	0.4	91
52120	7150	9300	SOIL	TILL	SPRUCE GROVE (WET SOIL).	4	85	2.1	0.4	74
52121	7200	9300	SOIL	TILL	NEXT TO CREEK GULLEY (71+75E).	1	32	4.8	0.3	51
52122	7250	9300	SOIL	TILL		1	30	3.3	0.3	48

SOIL SAMPLE DESCRIPTIONS AND GEOCHEMISTRY

SAMPLE	EAST	NORTH	TYPE	MATERIAL	REMARKS	Au ppb	Ag ppb	As ppm	Sb ppm	Hg ppb
52123	7300	9300	SOIL	TILL		1	30	2.5	0.4	46
52124	7350	9300	SOIL	TILL		1	30	5.8	0.3	51
52125	7400	9300	SOIL	TILL		1	30	3.4	0.3	52
52126	7450	9300	SOIL	TILL		1	30	3.8	0.3	32
52127	7500	9300	SOIL	TILL		1	30	2.4	0.2	24
52128	7550	9300	SOIL	TILL		1	30	3.1	0.2	54
52129	7600	9300	SOIL	TILL		1	30	2.8	0.2	39
52130	7650	9300	SOIL	TILL		1	30	2.3	0.2	37
52131	7700	9300	SOIL	TILL	LEVELLING OUT.	140	30	4.6	0.2	54
52132	7750	9300	SOIL	TILL		1	30	6.2	0.2	44
52133	7800	9300	SOIL	TILL		1	30	2.1	0.3	44
52134	7850	9300	SOIL	TILL		1	30	2.4	0.2	53
52135	7900	9300	SOIL	TILL		1	30	1.4	0.2	32
52136	7950	9300	SOIL	TILL		1	30	2.1	0.2	98
52137	8000	9300	SOIL	TILL		1	30	1.5	0.3	15
52138	8050	9300	SOIL	TILL		1	30	1.3	0.2	10
52139	8100	9300	SOIL	TILL		1	30	2.7	0.2	25
52140	8150	9300	SOIL	TILL		2	30	3.4	0.3	32
52141	8200	9300	SOIL	TILL		2	30	3.5	0.3	32
52142	8250	9300	SOIL	TILL		1	30	2.1	0.2	20
52143	8300	9300	SOIL	TILL		3	30	1.8	0.2	28
52144	8350	9300	SOIL	TILL	ON ROAD HEADING SOUTH.	1	30	2.4	0.3	11
52145	8400	9300	SOIL	TILL		1	30	1.7	0.2	28
52146	8450	9300	SOIL	TILL		1	30	1	0.2	12
52147	8500	9300	SOIL	TILL		5	30	3.7	0.3	27
52148	8550	9300	SOIL	TILL		102	77	1.6	0.3	37
52149	8600	9300	SOIL	TILL	NEXT TO 500 RD. 86+25E.	2	30	6.7	0.4	48
52150	8650	9300	SOIL	TILL	NEXT TO 500 ROAD.	3	51	9	0.4	61
52351	8700	9300	SOIL	TILL		3	42	1.3	0.3	32
52352	8750	9300	SOIL	TILL		1	49	4.1	0.3	51
52353	8800	9300	SOIL	TILL		3	30	3.3	0.2	25
52354	8850	9300	SOIL	TILL		2	30	1.4	0.2	28
52355	8900	9300	SOIL	TILL		1	38	2.6	0.3	40
52356	8950	9300	SOIL	TILL		1	30	1.8	0.2	27
52357	9000	9300	SOIL	TILL		1	30	1.9	0.2	21

SOIL SAMPLE DESCRIPTIONS AND GEOCHEMISTRY

SAMPLE	EAST	NORTH	TYPE	MATERIAL	REMARKS	Au ppb	Ag ppb	As ppm	Sb ppm	Hg ppb
52358	9050	9300	SOIL	TILL		1	30	2.5	0.2	25
52359	9100	9300	SOIL	TILL		4	30	1.4	0.2	15
52360	9150	9300	SOIL	TILL		6	33	1.4	0.2	27
52361	9200	9300	SOIL	TILL	HEAD OF BAY. TIE LINE.	1	44	1	0.3	22
52362	9250	9300	SOIL	TILL	NEXT TO LAKE 92+25E.	1	30	2.2	0.2	13
52363	9300	9300	SOIL	TILL	15M ABOVE LAKE.	1	33	0.9	0.2	18
52116	9700	9300	SOIL	TILL	DRILL ROAD 97+00E.LAKE 96+60E.	32	121	8.9	0.2	13
52115	9750	9300	SOIL	TILL		6	77	4	0.2	10
52114	9800	9300	SOIL	TILL		31	56	2.8	0.2	17
52113	9850	9300	SOIL	TILL		1	39	1.6	0.2	18
52112	9900	9300	SOIL	TILL		3	30	1.2	0.2	11
52111	9950	9300	SOIL	TILL		2	55	2.6	0.2	34
52110	10000	9300	SOIL	TILL		2	42	3.6	0.3	23
52109	10050	9300	SOIL	TILL		3	45	2.3	0.2	13
52108	10100	9300	SOIL	TILL		1	30	0.9	0.2	20
52107	10150	9300	SOIL	TILL		1	30	1	0.2	27
52106	10200	9300	SOIL	TILL		1	30	1.4	0.2	21
52105	10250	9300	SOIL	TILL		1	36	2.4	0.3	22
52104	10300	9300	SOIL	TILL		1	30	2.7	0.2	18
52103	10350	9300	SOIL	TILL		3	39	3	0.2	13
52102	10400	9300	SOIL	TILL		1	54	3.1	0.3	12
52101	10450	9300	SOIL	TILL		1	30	1.9	0.3	17
52000	10500	9300	SOIL	TILL		1	30	2.5	0.3	25
51999	10550	9300	SOIL	TILL		1	47	2	0.2	22
51998	10600	9300	SOIL	TILL		1	30	2.9	0.2	32
51997	10650	9300	SOIL	TILL		16	46	2.5	0.3	47
51996	10700	9300	SOIL	TILL		2	30	3.6	0.3	26
51995	10750	9300	SOIL	TILL		2	30	2.2	0.3	22
51994	10800	9300	SOIL	TILL		4	30	2.2	0.2	19
51993	10850	9300	SOIL	TILL	VERY FINE SOIL.	1	30	3	0.2	21
51992	10900	9300	SOIL	TILL		2	32	3.5	0.3	22
51991	10950	9300	SOIL	TILL		1	50	1.8	0.2	25
51990	11000	9300	SOIL	TILL		1	51	2.1	0.3	27
51989	11050	9300	SOIL	TILL		2	30	2.6	0.2	17
51988	11100	9300	SOIL	TILL	LAKESHORE.	1	34	1.7	0.3	19

SAMPLE	EAST	NORTH	TYPE	MATERIAL	REMARKS	Au ppb	Ag ppb	As ppm	Sb ppm	Hg ppb
52174	6850	9600	SOIL	TILL		1	30	1.7	0.2	54
52175	6900	9600	SOIL	TILL		1	30	0.9	0.2	40
52176	6950	9600	SOIL	TILL		2	30	1.9	0.2	88
52177	7000	9600	SOIL	TILL		2	30	0.9	0.2	61
52178	7050	9600	SOIL	TILL		7	30	3.4	0.3	56
52179	7100	9600	SOIL	TILL		14	30	1.4	0.2	58
52180	7150	9600	SOIL	TILL		1	30	4.5	0.2	61
52181	7200	9600	SOIL	TILL		2	30	2.2	0.3	27
52182	7250	9600	SOIL	TILL		2	30	1.5	0.2	25
52183	7300	9600	SOIL	TILL		2	30	2	0.3	32
52184	7350	9600	SOIL	TILL		1	30	2.6	0.4	50
52185	7400	9600	SOIL	TILL		1	30	3.6	0.4	70
52186	7450	9600	SOIL	TILL		7	30	6	0.6	70
52187	7500	9600	SOIL	TILL		2	30	2.1	0.3	38
52188	7550	9600	SOIL	TILL		1	30	1.8	0.3	46
52189	7600	9600	SOIL	TILL		2	30	10.4	0.7	86
52190	7650	9600	SOIL	TILL		2	30	2.7	0.3	49
52191	7700	9600	SOIL	TILL		1	30	3.6	0.2	57
52192	7750	9600	SOIL	TILL		1	30	2.9	0.2	41
52193	7800	9600	SOIL	TILL		1	31	4	0.3	74
52194	7850	9600	SOIL	TILL		198	101	7.1	0.4	57
52195	7900	9600	SOIL	TILL		3	30	1.1	0.2	29
52196	7950	9600	SOIL	TILL		3	30	3.2	0.3	47
52197	8000	9600	SOIL	TILL		3	40	3.2	0.2	64
52198	8050	9600	SOIL	TILL	IN CUT BLOCK.	1	32	1.5	0.2	44
52199	8100	9600	SOIL	TILL	IN CUT BLOCK.	1	33	2.9	0.3	40
52200	8150	9600	SOIL	TILL	IN CLEAR CUT.	2	30	0.7	0.2	36
52301	8200	9600	SOIL	TILL		5	30	2.2	0.2	38
52302	8250	9600	SOIL	TILL		3	30	1.7	0.2	38
52303	8300	9600	SOIL	TILL		4	30	1.5	0.2	49
52304	8350	9600	SOIL	TILL		1	30	1.2	0.2	33
52305	8400	9600	SOIL	TILL		5	35	2.3	0.2	55
52306	8450	9600	SOIL	TILL		3	42	1.7	0.2	40
52307	8500	9600	SOIL	TILL		2	143	4.3	0.7	94
52308	8550	9600	SOIL	TILL		1	37	0.5	0.2	41

SOIL SAMPLE DESCRIPTIONS AND GEOCHEMISTRY

SAMPLE	EAST	NORTH	TYPE	MATERIAL	REMARKS	Au ppb	Ag ppb	As ppm	Sb ppm	Hg ppb
52309	8600	9600	SOIL	TILL		1	44	2	0.3	45
52310	8650	9600	SOIL	TILL		1	36	1.7	0.3	50
52311	8700	9600	SOIL	TILL		1	30	1.4	0.2	43
52312	8750	9600	SOIL	TILL		1	30	2.3	0.2	43
52314	8850	9600	SOIL	TILL		4	39	0.8	0.2	67
52315	8900	9600	SOIL	TILL		1	48	2.5	0.4	81
52316	8950	9600	SOIL	TILL		1	51	2	0.3	64
52317	9000	9600	SOIL	TILL		1	34	0.8	0.2	30
52318	9050	9600	SOIL	TILL		5	30	2	0.2	31
52319	9100	9600	SOIL	TILL		1	51	4.3	0.3	75
52320	9150	9600	SOIL	TILL		1	30	1.6	0.2	30
52321	9200	9600	SOIL	TILL		4	36	1.3	0.2	22
52322	9250	9600	SOIL	TILL		1	30	1.9	0.2	49
52323	9300	9600	SOIL	TILL		6	51	1.1	0.2	29
52324	9350	9600	SOIL	TILL		2	56	3	0.2	26
52325	9400	9600	SOIL	TILL		1	30	1.5	0.2	23
52326	9450	9600	SOIL	TILL		1	30	1	0.2	32
52327	9500	9600	SOIL	TILL		6	73	1.4	0.2	30
52328	9550	9600	SOIL	TILL		5	274	7.2	0.4	27
52173	9750	9600	SOIL	TILL	LAKESHORE.	17	98	1.7	0.3	40
52172	9800	9600	SOIL	TILL		20	104	12.6	0.7	74
52171	9850	9600	SOIL	TILL		36	156	3.7	0.3	33
52170	9900	9600	SOIL	TILL		13	43	1.4	0.2	36
52169	9950	9600	SOIL	TILL		2	50	2.8	0.2	18
52168	10000	9600	SOIL	TILL		3	51	2.3	0.2	25
52167	10050	9600	SOIL	TILL		2	58	3	0.2	16
52166	10100	9600	SOIL	TILL		3	37	1.2	0.2	22
52165	10150	9600	SOIL	TILL		2	44	1.1	0.2	34
52164	10200	9600	SOIL	TILL		2	30	1.3	0.2	14
52163	10250	9600	SOIL	TILL		2	30	1.8	0.2	13
52162	10300	9600	SOIL	TILL		10	32	1.9	0.3	23
52161	10350	9600	SOIL	TILL		1	30	1.1	0.2	26
52160	10400	9600	SOIL	TILL		5	30	1.7	0.2	29
52159	10450	9600	SOIL	TILL		1	30	3.1	0.2	27
52158	10500	9600	SOIL	TILL		1	30	2	0.2	29

SAMPLE	EAST	NORTH	TYPE	MATERIAL	REMARKS	Au ppb	Ag ppb	As ppm	Sb ppm	Hg ppb
52157	10550	9600	SOIL	TILL		2	30	1.1	0.2	16
52156	10600	9600	SOIL	TILL		1	30	1.4	0.2	17
52155	10650	9600	SOIL	TILL		3	30	2.1	0.2	17
52154	10700	9600	SOIL	TILL		20	30	2.2	0.2	41
52153	10750	9600	SOIL	TILL		2	30	1.9	0.3	26
52152	10800	9600	SOIL	TILL		3	30	1.3	0.2	10
52151	10850	9600	SOIL	TILL		1	30	3.2	0.2	24
51800	10900	9600	SOIL	TILL		3	30	1.4	0.2	23
51799	10950	9600	SOIL	TILL		3	30	1.4	0.3	28
51798	11000	9600	SOIL	TILL		1	30	2.2	0.3	29
51797	11050	9600	SOIL	TILL		1	30	1.8	0.2	21
51796	11100	9600	SOIL	TILL		6	30	0.7	0.2	22
51795	11150	9600	SOIL	TILL		1	30	0.9	0.2	18
51794	11200	9600	SOIL	TILL		1	43	1.3	0.3	28
51793	11250	9600	SOIL	TILL		3	30	1.1	0.2	31
51792	11300	9600	SOIL	TILL		1	30	2.2	0.3	23
51791	11350	9600	SOIL	TILL	LAKESHORE.	2	35	4.2	0.3	39
52093	7000	9900	SOIL	TILL		1	31	1.3	0.3	28
52094	7050	9900	SOIL	TILL		1	31	2.1	0.3	37
52095	7100	9900	SOIL	TILL		1	30	2.8	0.3	39
52096	7150	9900	SOIL	TILL		1	30	1.7	0.3	34
52097	7200	9900	SOIL	TILL		1	92	1.9	0.5	63
52098	7250	9900	SOIL	TILL		2	30	1.1	0.3	29
52099	7300	9900	SOIL	TILL	GOOD SOIL.	1	30	7.4	0.6	30
52100	7350	9900	SOIL	TILL		1	33	2.6	0.3	42
52201	7400	9900	SOIL	TILL		3	30	2.9	0.4	30
52202	7450	9900	SOIL	TILL		1	34	1.1	0.2	41
52203	7500	9900	SOIL	TILL		5	30	1.7	0.3	46
52204	7550	9900	SOIL	TILL		1	30	2.3	0.3	52
52205	7600	9900	SOIL	TILL		1	30	5.4	0.5	81
52206	7650	9900	SOIL	TILL		1	30	4.8	0.4	77
52207	7700	9900	SOIL	TILL		1	30	3.6	0.6	103
52208	7750	9900	SOIL	TILL		1	30	7.2	0.6	54
52209	7800	9900	SOIL	TILL		1	30	7.9	0.6	65
52210	7850	9900	SOIL	TILL		14	47	5.7	0.4	41

SOIL SAMPLE DESCRIPTIONS AND GEOCHEMISTRY

SAMPLE	EAST	NORTH	TYPE	MATERIAL	REMARKS	Au ppb	Ag ppb	As ppm	Sb ppm	Hg ppb
52211	7900	9900	SOIL	TILL		1	30	6	0.5	48
52212	7950	9900	SOIL	TILL		1	54	5.4	0.5	58
52213	8000	9900	SOIL	TILL	MAIN ROAD 80+14.	1	30	3.9	0.5	32
52214	8050	9900	SOIL	TILL		19	72	3.1	0.4	29
52215	8100	9900	SOIL	TILL		1	43	3.2	0.4	28
52216	8150	9900	SOIL	TILL		1	82	8	0.5	41
52217	8200	9900	SOIL	TILL		1	59	3.6	0.4	34
52218	8250	9900	SOIL	TILL		5	54	5	0.5	30
52219	8300	9900	SOIL	TILL		1	36	3.2	0.3	24
52220	8350	9900	SOIL	TILL	END CUT BLOCK 83+75.	1	50	4.6	0.5	26
52221	8400	9900	SOIL	TILL	FOREST.	1	30	3	0.3	30
52222	8450	9900	SOIL	TILL		1	30	3.5	0.5	37
52223	8500	9900	SOIL	TILL		6	30	6.3	0.4	40
52224	8550	9900	SOIL	TILL		1	30	1.9	0.4	14
52225	8600	9900	SOIL	TILL		1	31	1.6	0.2	24
52226	8650	9900	SOIL	TILL	GOOD SOIL.	1	48	3.4	0.3	22
52227	8700	9900	SOIL	TILL		1	30	2	0.2	27
52228	8750	9900	SOIL	TILL		1	63	1.7	0.4	31
52229	8800	9900	SOIL	TILL		1	30	3.4	0.3	45
52230	8900	9900	SOIL	TILL	N/S AT 8850.	1	85	1.2	0.3	29
52231	8950	9900	SOIL	TILL		16	30	2.3	0.2	43
52232	9000	9900	SOIL	TILL		1	59	3.3	0.3	24
52233	9050	9900	SOIL	TILL		1	74	1.7	0.3	13
52234	9100	9900	SOIL	TILL		13	74	3.5	0.4	16
52235	9150	9900	SOIL	TILL		1	74	3.4	0.4	34
52236	9200	9900	SOIL	TILL		1	30	2.3	0.2	19
52237	9250	9900	SOIL	TILL		1	63	4.6	0.3	43
52238	9300	9900	SOIL	TILL		22	30	3.8	0.2	32
52340	9350	9900	SOIL	TILL		1	30	2.1	0.2	24
52339	9400	9900	SOIL	TILL		1	30	1.6	0.2	41
52338	9450	9900	SOIL	TILL		1	30	1.3	0.2	39
52337	9500	9900	SOIL	TILL		1	37	2.2	0.3	25
52336	9550	9900	SOIL	TILL		1	30	3.3	0.3	23
52335	9600	9900	SOIL	TILL		1	46	2.1	0.3	32
52334	9650	9900	SOIL	TILL		1	30	1.5	0.2	27

SAMPLE	EAST	NORTH	TYPE	MATERIAL	REMARKS	Au ppb	Ag ppb	As ppm	Sb ppm	Hg ppb
52333	9700	9900	SOIL	TILL	N/S AT STN 9750 = IN BOG.	2	91	7.3	0.4	27
52332	9800	9900	SOIL	TILL		1	31	3.7	0.2	34
52331	9850	9900	SOIL	TILL		1	123	2.9	0.2	26
52330	9900	9900	SOIL	TILL		3	46	2.5	0.3	15
52329	9950	9900	SOIL	TILL		8	54	3.2	0.4	35
52092	10000	9900	SOIL	TILL		1	68	7	0.7	27
52091	10050	9900	SOIL	TILL		2	114	3	0.3	42
52090	10100	9900	SOIL	TILL		1	81	3.5	0.4	35
52089	10150	9900	SOIL	TILL		2	51	1.5	0.3	25
52088	10200	9900	SOIL	TILL	SWAMP. SAMPLED AT 101+88.	16	58	2	0.4	13
52087	10250	9900	SOIL	TILL		1	44	1.7	0.4	14
52086	10300	9900	SOIL	TILL	SWAMP. SAMPLED 10M S.	1	55	1.3	0.4	38
52085	10350	9900	SOIL	TILL		2	30	3.2	0.4	30
52084	10400	9900	SOIL	TILL		9	30	3	0.3	20
52083	10450	9900	SOIL	TILL		3	38	2.8	0.4	16
52082	10500	9900	SOIL	TILL		6	42	2.6	0.4	34
52081	10550	9900	SOIL	TILL		7	46	2.2	0.4	16
52080	10600	9900	SOIL	TILL		1	44	2.9	0.5	24
52079	10650	9900	SOIL	TILL		1	73	2.3	0.4	27
52078	10700	9900	SOIL	TILL		1	79	2.4	0.5	34
52077	10750	9900	SOIL	TILL		1	87	2.9	0.5	32
52076	10800	9900	SOIL	TILL		1	46	2.1	0.4	42
52075	10850	9900	SOIL	TILL		2	68	3.8	0.6	17
52074	10900	9900	SOIL	TILL		4	61	2.6	0.5	46
52073	10950	9900	SOIL	TILL		2	52	3.1	0.5	21
52072	11000	9900	SOIL	TILL		3	30	3.4	0.3	19
52071	11050	9900	SOIL	TILL		1	30	3	0.3	24
52070	11100	9900	SOIL	TILL		1	36	2.5	0.3	29
52069	11150	9900	SOIL	TILL		1	30	2.6	0.3	33
52068	11200	9900	SOIL	TILL		2	51	2.5	0.4	33
52067	11250	9900	SOIL	TILL		3	33	1.3	0.2	35
52066	11300	9900	SOIL	TILL		3	83	2.9	0.4	43
52065	11350	9900	SOIL	TILL		3	30	2.4	0.2	48
52064	11400	9900	SOIL	TILL		4	76	4.5	0.3	71
52062	11500	9900	SOIL	TILL		1	30	2.1	0.2	28

SAMPLE	EAST	NORTH	TYPE	MATERIAL	REMARKS	Au ppb	Ag ppb	As ppm	Sb ppm	Hg ppb
55947	7000	10200	SOIL	TILL		1	30	2.4	0.2	37
55946	7050	10200	SOIL	TILL		1	30	3.2	0.2	31
55945	7100	10200	SOIL	TILL		2	30	1.7	0.2	42
55944	7150	10200	SOIL	TILL	BESIDE SWAMP.	1	49	2.2	0.6	128
55942	7200	10200	SOIL	TILL		1	35	2.2	0.2	27
55942	7250	10200	SOIL	TILL		1	35	2.2	0.2	27
55941	7300	10200	SOIL	TILL		1	30	3.1	0.2	23
55940	7350	10200	SOIL	TILL		1	30	2.5	0.2	27
55939	7400	10200	SOIL	TILL		29	30	2.4	0.2	43
55938	7450	10200	SOIL	TILL		1	30	2.2	0.2	20
55937	7500	10200	SOIL	TILL		1	30	3	0.3	27
55936	7550	10200	SOIL	TILL		2	30	5.4	0.4	41
55935	7600	10200	SOIL	TILL		1	30	3.3	0.3	32
55934	7650	10200	SOIL	TILL		4	30	7.3	0.5	40
55933	7700	10200	SOIL	TILL		1	30	2.9	0.2	47
55932	7750	10200	SOIL	TILL		38	39	2.6	0.4	35
55931	7800	10200	SOIL	TILL		1	30	2.9	0.3	39
55930	7850	10200	SOIL	TILL		1	30	3.3	0.3	44
55929	7900	10200	SOIL	TILL	BESIDE ROAD.	1	30	5.3	0.4	36
55928	7950	10200	SOIL	TILL		3	30	3.1	0.2	28
55927	8000	10200	SOIL	TILL		2	30	3.4	0.3	35
55926	8050	10200	SOIL	TILL		3	30	9.1	0.6	43
55925	8100	10200	SOIL	TILL		4	30	4.2	0.2	28
55924	8150	10200	SOIL	TILL		8	30	5.2	0.3	30
55923	8200	10200	SOIL	TILL		3	30	3.2	0.2	35
55922	8250	10200	SOIL	TILL		6	53	6.8	0.3	39
55921	8300	10200	SOIL	TILL		2	46	5	0.3	47
55920	8350	10200	SOIL	TILL		2	36	2.9	0.3	32
55919	8400	10200	SOIL	TILL		3	94	10.5	0.6	61
55918	8450	10200	SOIL	TILL		46	77	5.6	0.3	51
55917	8500	10200	SOIL	TILL		5	42	3.9	0.3	48
55916	8550	10200	SOIL	TILL	CLEAR CUT.	2	57	5.2	0.2	51
55915	8600	10200	SOIL	TILL		1	41	1.6	0.2	26
55914	8650	10200	SOIL	TILL		1	30	2.8	0.2	33
55913	8700	10200	SOIL	TILL		2	30	1.2	0.2	25

SOIL SAMPLE DESCRIPTIONS AND GEOCHEMISTRY

SAMPLE	EAST	NORTH	TYPE	MATERIAL	REMARKS	Au ppb	Ag ppb	As ppm	Sb ppm	Hg ppb
55912	8750	10200	SOIL	TILL		3	32	2.6	0.2	21
55800	8800	10200	SOIL	TILL		2	30	2.6	0.2	16
55799	8850	10200	SOIL	TILL		3	30	3.3	0.2	23
55798	8900	10200	SOIL	TILL		1	30	6.1	0.2	27
55797	8950	10200	SOIL	TILL		1	30	2.6	0.2	18
55738	7000	10500	SOIL	TILL		3	43	2.6	0.2	50
55737	7050	10500	SOIL	TILL		5	30	2.5	0.5	27
55736	7100	10500	SOIL	TILL		2	62	1.4	0.3	30
55735	7150	10500	SOIL	TILL		1	38	2	0.2	16
55734	7200	10500	SOIL	TILL		3	30	1.3	0.2	15
55733	7250	10500	SOIL	TILL		2	30	2.7	0.2	26
55732	7300	10500	SOIL	TILL		28	37	2.5	0.2	27
55731	7350	10500	SOIL	TILL		5	30	2.1	0.2	23
55730	7400	10500	SOIL	TILL		3	30	2.9	0.2	39
55729	7450	10500	SOIL	TILL		2	30	1.3	0.2	24
55728	7500	10500	SOIL	TILL		1	48	4.1	0.2	35
55727	7550	10500	SOIL	TILL		6	83	6.3	0.2	48
55726	7600	10500	SOIL	TILL		202	129	3.7	0.2	20
55725	7650	10500	SOIL	TILL		2	36	3.9	0.2	31
55724	7700	10500	SOIL	TILL		2	73	4.1	0.2	37
55723	7750	10500	SOIL	TILL		1	30	3.1	0.2	40
55722	7800	10500	SOIL	TILL		1	30	1	0.2	30
55721	7850	10500	SOIL	TILL		2	30	2.2	0.2	24
55720	7900	10500	SOIL	TILL		8	30	2	0.2	25
55719	7950	10500	SOIL	TILL		25	58	2.1	0.2	40
55718	8000	10500	SOIL	TILL		2	37	5.4	0.2	37
55717	8050	10500	SOIL	TILL		2	48	3	0.2	33
55739	8100	10500	SOIL	TILL		232	49	2.1	0.2	39
55740	8150	10500	SOIL	TILL		3	30	2.2	0.2	35
55741	8200	10500	SOIL	TILL		1	30	3.3	0.2	21
55742	8250	10500	SOIL	TILL		1	30	5.1	0.3	34
55743	8300	10500	SOIL	TILL		1	30	2.5	0.2	31
55744	8350	10500	SOIL	TILL		12	30	2.7	0.2	30
55745	8400	10500	SOIL	TILL		1	31	2.5	0.2	17
55746	8450	10500	SOIL	TILL		4	30	5.8	0.7	42

SAMPLE	EAST	NORTH	TYPE	MATERIAL	REMARKS	Au ppb	Ag ppb	As ppm	Sb ppm	Hg ppb
55747	8500	10500	SOIL	TILL		1	30	3.9	0.2	16
55748	8550	10500	SOIL	TILL		2	30	2.5	0.2	23
55749	8600	10500	SOIL	TILL		1	30	2.3	0.2	36
55750	8650	10500	SOIL	TILL		3	30	3.8	0.2	17
55751	8700	10500	SOIL	TILL		1	30	2.7	0.2	18
55752	8750	10500	SOIL	TILL		16	30	2.6	0.2	22
55753	8800	10500	SOIL	TILL	ROCKY SAMPLE.	1	30	2.4	0.2	38
55754	8850	10500	SOIL	TILL		1	57	3.7	0.3	26
55755	8900	10500	SOIL	ORGANIC		4	278	9	0.8	171
55756	8950	10500	SOIL	TILL	ROCKY.	1	57	2.9	0.2	45
55757	9000	10500	SOIL	TILL		3	63	6	0.6	40
55758	9050	10500	SOIL	TILL		1	40	4.4	0.2	46
55759	9100	10500	SOIL	TILL		102	72	5	0.2	43
55760	9150	10500	SOIL	TILL		1	30	1.9	0.2	34
55761	9200	10500	SOIL	TILL	CUT LINE.	1	30	2.4	0.2	24
55762	9250	10500	SOIL	TILL		1	30	2.3	0.2	32
55763	9300	10500	SOIL	TILL		1	30	4.9	0.2	10
55764	9350	10500	SOIL	TILL		1	30	3.5	0.2	36
55765	9400	10500	SOIL	TILL		3	30	2.2	0.2	15
55766	9450	10500	SOIL	TILL		1	31	1.9	0.2	18
55767	9500	10500	SOIL	TILL		1	30	3.4	0.2	16
55768	9550	10500	SOIL	TILL		1	139	4.4	0.2	26
55769	9600	10500	SOIL	TILL		1	30	2.4	0.3	14
55770	9650	10500	SOIL	TILL		4	30	2.4	0.2	23
55771	9700	10500	SOIL	TILL		4	30	4.6	0.2	19
55772	9850	10500	SOIL	TILL		2	30	4.1	0.2	34
55773	9900	10500	SOIL	TILL		1	116	2.5	0.2	28
55774	9950	10500	SOIL	TILL		1	30	1	0.5	18
55775	10000	10500	SOIL	TILL		1	30	8.3	0.2	34
55811	7000	10800	SOIL	TILL		1	30	3.6	0.2	29
55810	7050	10800	SOIL	TILL		2	32	2.8	0.2	31
55809	7100	10800	SOIL	TILL		1	60	1.9	0.2	28
55808	7150	10800	SOIL	TILL		1	36	2.2	0.2	25
55807	7200	10800	SOIL	TILL		1	30	1.3	0.2	19
55806	7250	10800	SOIL	TILL		1	30	2.9	0.2	32

SAMPLE	EAST	NORTH	TYPE	MATERIAL	REMARKS	Au ppb	Ag ppb	As ppm	Sb ppm	Hg ppb
55805	7300	10800	SOIL	TILL		1	30	4	0.2	28
55804	7350	10800	SOIL	TILL		1	30	3.1	0.2	70
55803	7400	10800	SOIL	TILL		1	30	8.3	0.5	89
55802	7450	10800	SOIL	TILL		2	30	3	0.2	33
55801	7500	10800	SOIL	TILL		1	30	3.4	0.2	53
55500	7550	10800	SOIL	TILL	EDGE OF CLEARCUT.	3	30	3.1	0.4	22
55499	7600	10800	SOIL	TILL		3	30	2.4	0.2	31
55498	7650	10800	SOIL	TILL		1	30	2.4	0.2	18
55497	7700	10800	SOIL	TILL		1	30	2.9	0.2	42
55496	7750	10800	SOIL	TILL		1	30	1.2	0.2	38
55495	7800	10800	SOIL	TILL		1	30	1.6	0.2	18
55494	7850	10800	SOIL	TILL		1	30	2.7	0.2	33
55493	7900	10800	SOIL	TILL		6	30	2.7	0.2	37
55492	7950	10800	SOIL	TILL		2	30	2.3	0.2	17
55491	8000	10800	SOIL	TILL		1	30	3	0.2	36
55490	8050	10800	SOIL	TILL		2	30	2.3	0.2	30
55489	8100	10800	SOIL	TILL		3	30	2.4	0.2	45
55488	8150	10800	SOIL	TILL		2	30	1.9	0.2	32
55812	8200	10800	SOIL	TILL	ROAD 81+90.	3	30	1.7	0.2	25
55813	8250	10800	SOIL	TILL		2	30	4.8	0.2	57
55814	8300	10800	SOIL	TILL		1	30	2.1	0.2	30
55815	8350	10800	SOIL	TILL		1	30	2.1	0.2	34
55816	8400	10800	SOIL	TILL		9	30	1.9	0.2	20
55817	8450	10800	SOIL	TILL		1	30	3.2	0.2	31
55818	8500	10800	SOIL	TILL		1	30	2.3	0.2	33
55819	8550	10800	SOIL	TILL		1	30	4.6	0.2	37
55820	8600	10800	SOIL	TILL		2	30	2.2	0.2	18
55821	8650	10800	SOIL	TILL		1	30	3.5	0.2	21
55822	8700	10800	SOIL	TILL		32	30	1.6	0.2	16
55823	8750	10800	SOIL	TILL		1	30	2.9	0.2	19
55824	8800	10800	SOIL	TILL		1	30	3.3	0.3	50
55825	8850	10800	SOIL	TILL		1	30	1.5	0.2	34
55826	8900	10800	SOIL	TILL		13	43	2.8	0.4	30
55827	8950	10800	SOIL	TILL		4	30	2.6	0.2	29
55828	9000	10800	SOIL	TILL		1	77	1.7	0.6	47

SAMPLE	EAST	NORTH	TYPE	MATERIAL	REMARKS	Au ppb	Ag ppb	As ppm	Sb ppm	Hg ppb
55829	9050	10800	SOIL	TILL		1	42	2.3	0.9	50
55830	9100	10800	SOIL	TILL		30	84	7.6	0.5	90
55831	9150	10800	SOIL	TILL		14	128	4.2	0.2	49
55832	9200	10800	SOIL	TILL		1	40	3.3	0.3	29
55833	9250	10800	SOIL	TILL		1	56	4	0.8	24
55834	9300	10800	SOIL	TILL	OLD ROAD OR TRENCH?	1	45	3.2	0.5	26
55835	9350	10800	SOIL	TILL		1	30	2.4	0.2	34
55836	9400	10800	SOIL	TILL		2	37	4.2	0.2	32
55837	9450	10800	SOIL	TILL		1	59	7.4	0.4	70
55838	9500	10800	SOIL	TILL		1	40	4	0.4	40
55839	9550	10800	SOIL	TILL		1	62	7.2	0.4	62
55840	9600	10800	SOIL	TILL	DRILL SITE 95+75.	5	30	1.9	0.2	14
55841	9650	10800	SOIL	TILL	ROAD.	9	30	2.5	0.2	27
55842	9700	10800	SOIL	TILL		2	30	2.8	0.2	23
55843	9750	10800	SOIL	TILL		2	37	2.4	0.2	27
55844	9800	10800	SOIL	TILL		1	64	2.8	0.2	31
55845	9850	10800	SOIL	TILL		1	32	4.5	0.2	22
55846	9900	10800	SOIL	TILL		1	31	1.4	0.2	37
55847	9950	10800	SOIL	TILL		1	30	2.6	0.2	22
55848	10000	10800	SOIL	TILL		1	47	2.6	0.2	25
52700	10000	12200	SOIL	TILL		6	40	2.2	0.2	46
52699	10050	12200	SOIL	TILL		1	30	3.2	0.2	16
52698	10100	12200	SOIL	TILL		2	39	2.7	0.2	62
52697	10150	12200	SOIL	TILL		1	83	1.4	0.2	82
52696	10200	12200	SOIL	TILL		11	49	1.5	0.2	35
52695	10250	12200	SOIL	TILL		1	62	15.5	2	95
52600	10300	12200	SOIL	TILL		1	92	3.2	1	80
52599	10350	12200	SOIL	TILL		3	77	1.8	0.5	56
52598	10400	12200	SOIL	TILL		6	38	4.1	0.2	66
52597	10450	12200	SOIL	TILL		1	38	1.4	0.2	50
52596	10500	12200	SOIL	TILL		1	72	3.1	0.3	78
52595	10550	12200	SOIL	TILL		3	49	1	0.2	49
52594	10600	12200	SOIL	TILL		5	30	0.8	0.2	27
52593	10650	12200	SOIL	TILL		1	51	1.1	0.2	32
52669	10750	12200	SOIL	TILL		1	31	1.9	0.3	47

SAMPLE	EAST	NORTH	TYPE	MATERIAL	REMARKS	Au ppb	Ag ppb	As ppm	Sb ppm	Hg ppb
52668	10800	12200	SOIL	TILL		1	477	2.4	0.2	89
52667	10850	12200	SOIL	TILL		1	101	3.3	0.2	68
52666	10900	12200	SOIL	TILL		30	73	5	0.7	144
52665	10950	12200	SOIL	TILL		1	85	4.2	0.2	57
52664	11000	12200	SOIL	TILL		3	30	8.2	0.5	47
52663	11050	12200	SOIL	TILL		1	55	4.2	0.3	44
52662	11100	12200	SOIL	TILL		1	31	3.7	0.2	34
52661	11150	12200	SOIL	TILL		1	48	2.9	0.2	45
52660	11200	12200	SOIL	TILL		1	30	3	0.2	36
52659	11250	12200	SOIL	TILL		1	30	2.6	0.2	36
52658	11300	12200	SOIL	TILL		1	30	2.9	0.2	28
52657	11350	12200	SOIL	TILL		1	33	6.3	0.2	30
52656	11400	12200	SOIL	TILL		3	39	3.3	0.3	36
52655	11450	12200	SOIL	TILL		1	30	2.4	0.2	37
52654	11500	12200	SOIL	TILL		51	31	3.7	0.2	46
52239	10000	12400	SOIL	TILL		2	83	3.1	0.2	77
52240	10050	12400	SOIL	TILL		2	30	1	0.2	38
52241	10100	12400	SOIL	TILL		4	41	1.6	0.2	45
52242	10150	12400	SOIL	TILL		3	30	1.3	0.2	25
52243	10200	12400	SOIL	TILL		4	65	2.6	0.2	46
52244	10250	12400	SOIL	TILL		4	40	1.3	0.2	30
52245	10300	12400	SOIL	TILL		4	57	2.7	0.4	38
52246	10350	12400	SOIL	TILL		4	52	2	0.3	40
52247	10400	12400	SOIL	TILL		3	63	2.9	0.4	34
52248	10450	12400	SOIL	TILL		4	123	3.6	0.6	51
52249	10500	12400	SOIL	TILL		5	37	2.4	0.3	43
52250	10550	12400	SOIL	TILL		6	52	0.5	0.3	40
52251	10600	12400	SOIL	TILL		2	48	4.1	0.5	38
52270	10650	12400	SOIL	TILL		1	35	1.2	0.2	9
52268	10700	12400	SOIL	TILL		2	30	0.9	0.3	30
52267	10750	12400	SOIL	TILL		9	30	1.4	0.2	31
52266	10800	12400	SOIL	TILL		3	36	2.7	0.3	40
52265	10850	12400	SOIL	TILL		1	101	2.9	0.5	73
52264	10900	12400	SOIL	TILL		17	193	12	0.6	114
52263	10950	12400	SOIL	TILL		99	55	2.4	0.2	41

SAMPLE	EAST	NORTH	TYPE	MATERIAL	REMARKS	Au ppb	Ag ppb	As ppm	Sb ppm	Hg ppb
52262	11000	12400	SOIL	TILL		2	97	5.1	0.2	112
52261	11050	12400	SOIL	TILL		4	30	2.9	0.2	29
52260	11100	12400	SOIL	TILL		2	30	2.6	0.2	26
52259	11150	12400	SOIL	TILL		1	39	4.3	0.2	36
52258	11200	12400	SOIL	TILL		4	56	1.8	0.2	35
52257	11250	12400	SOIL	TILL		1	31	1.2	0.2	18
52256	11300	12400	SOIL	TILL		5	30	1.2	0.2	35
52255	11350	12400	SOIL	TILL		1	30	1.4	0.2	35
52254	11400	12400	SOIL	TILL		6	30	1.5	0.2	38
52253	11450	12400	SOIL	TILL		1	62	2	0.2	54
52252	11500	12400	SOIL	TILL		1	37	1.1	0.2	33
52341	10000	12600	SOIL	TILL		1	30	1.4	0.2	21
52342	10050	12600	SOIL	TILL		4	30	1.8	0.2	29
52343	10100	12600	SOIL	TILL		2	30	1	0.2	32
52344	10150	12600	SOIL	TILL		48	30	1.6	0.3	33
52345	10200	12600	SOIL	TILL		2	30	2.3	0.2	33
52346	10250	12600	SOIL	TILL		4	30	1.8	0.3	34
52347	10300	12600	SOIL	TILL		3	30	2.3	0.3	46
52348	10350	12600	SOIL	TILL		4	30	2.8	0.3	50
52349	10400	12600	SOIL	TILL		3	30	1.2	0.3	32
52350	10450	12600	SOIL	TILL		67	69	1.3	0.4	33
52364	10500	12600	SOIL	TILL		2	42	0.7	0.4	37
52365	10550	12600	SOIL	TILL		2	74	1.5	1	81
52366	10600	12600	SOIL	TILL		2	44	0.9	0.3	33
52367	10650	12600	SOIL	TILL		2	30	0.5	0.3	37
52368	10700	12600	SOIL	TILL		2	30	1.4	0.8	39
52369	10750	12600	SOIL	TILL		2	30	1.4	0.4	24
52370	10800	12600	SOIL	TILL		2	38	1.6	0.3	33
52371	10850	12600	SOIL	TILL		1	30	0.8	0.4	19
52372	10900	12600	SOIL	TILL		1	127	4.1	1.4	101
52373	10950	12600	SOIL	TILL		6	30	1.4	0.4	34
52374	11000	12600	SOIL	TILL		1	81	6.8	0.2	83
52375	11050	12600	SOIL	TILL		2	30	3.2	0.2	41
52376	11100	12600	SOIL	TILL		2	43	1.3	0.3	37
52377	11150	12600	SOIL	TILL		1	38	2.3	0.3	65

SAMPLE	EAST	NORTH	TYPE	MATERIAL	REMARKS	Au ppb	Ag ppb	As ppm	Sb ppm	Hg ppb
52378	11200	12600	SOIL	TILL		1	30	1.5	0.2	99
52379	11250	12600	SOIL	TILL		3	36	1	0.2	79
52380	11300	12600	SOIL	TILL		1	46	2.1	0.3	107
52381	11350	12600	SOIL	TILL		1	41	1.2	0.3	74
52382	11400	12600	SOIL	TILL		1	33	1.3	0.2	71
52383	11450	12600	SOIL	TILL		1	30	2.1	0.2	78
52384	11500	12600	SOIL	TILL		1	30	0.9	0.2	108
52271	10000	12800	SOIL	TILL		1	30	2.2	0.2	19
52272	10400	12800	SOIL	TILL		1	30	4	0.2	21
52273	10450	12800	SOIL	TILL		1	30	5.3	0.4	109
52274	10500	12800	SOIL	TILL		1	33	2.8	0.3	89
52275	10550	12800	SOIL	TILL		1	30	3.4	0.3	89
52276	10600	12800	SOIL	TILL		2	30	2.9	0.3	72
52277	10650	12800	SOIL	TILL		1	44	0.7	0.3	60
52278	10700	12800	SOIL	TILL		2	30	2	0.3	56
52279	10750	12800	SOIL	TILL		2	30	1.6	0.2	65
52280	10800	12800	SOIL	TILL		1	30	1.6	0.3	41
52281	10850	12800	SOIL	TILL		1	30	1.7	0.3	43
52282	10900	12800	SOIL	TILL		10	30	1.4	0.4	36
52283	10950	12800	SOIL	TILL		4	79	2.8	1	71
52284	11000	12800	SOIL	TILL		4	152	3.1	1.4	142
52285	11050	12800	SOIL	ORGANIC		4	670	8.2	1.2	146
52286	11100	12800	SOIL	TILL		1	80	2.3	0.6	152
52287	11150	12800	SOIL	TILL		1	30	1.9	0.2	49
52288	11200	12800	SOIL	TILL		1	30	4.1	0.4	66
52289	11250	12800	SOIL	TILL		1	30	4.9	0.5	60
52290	11300	12800	SOIL	TILL		14	37	3.3	0.3	59
52291	11350	12800	SOIL	TILL		42	30	2.9	0.2	38
52292	11400	12800	SOIL	TILL		4	30	1.3	0.2	28
52293	11450	12800	SOIL	TILL		1	30	2.4	0.2	50
52294	11500	12800	SOIL	TILL		2	30	2.2	0.3	66
52670	10150	13000	SOIL	TILL		1	30	4.2	0.2	28
52671	10200	13000	SOIL	TILL		1	33	5	0.3	38
52672	10250	13000	SOIL	TILL		1	30	7.7	0.2	23
52673	10300	13000	SOIL	TILL		1	46	0.5	0.2	26

SAMPLE	EAST	NORTH	TYPE	MATERIAL	REMARKS	Au ppb	Ag ppb	As ppm	Sb ppm	Hg ppb
52674	10350	13000	SOIL	TILL		1	45	1.9	0.2	28
52675	10400	13000	SOIL	TILL		1	172	3.8	0.2	63
52676	10450	13000	SOIL	TILL		1	95	1.5	0.2	41
52677	10500	13000	SOIL	TILL		2	182	6	0.2	44
52678	10550	13000	SOIL	TILL		1	145	11.1	0.4	57
52679	10600	13000	SOIL	TILL		3	123	7.6	0.2	23
52680	10650	13000	SOIL	TILL		1	187	7	0.3	86
52681	10800	13000	SOIL	TILL		1	167	1.2	0.2	84
52682	10850	13000	SOIL	TILL		2	208	5.6	0.3	102
52683	10900	13000	SOIL	TILL		1	69	2.4	0.2	57
52694	11000	13000	SOIL	TILL		1	30	5.1	0.2	98
52693	11050	13000	SOIL	TILL		9	54	0.5	0.2	81
52692	11100	13000	SOIL	ORGANIC		1	91	1.2	0.2	144
52691	11150	13000	SOIL	TILL		1	64	3.8	0.2	48
52690	11200	13000	SOIL	TILL		1	30	5.5	0.2	58
52689	11250	13000	SOIL	TILL		1	30	5.3	0.2	61
52688	11300	13000	SOIL	TILL		1	30	1.8	0.2	43
52687	11350	13000	SOIL	TILL		1	61	1.7	0.2	28
52686	11400	13000	SOIL	TILL		1	70	6	0.2	45
52685	11450	13000	SOIL	TILL		1	38	1.9	0.2	54
52684	11500	13000	SOIL	TILL		1	53	1.2	0.2	47
52615	10050	13200	SOIL	TILL		1	108	2	0.2	44
52616	10100	13200	SOIL	TILL		1	30	1.9	0.2	35
52617	10150	13200	SOIL	TILL		2	282	2.6	0.2	41
52618	10200	13200	SOIL	TILL		33	50	3.3	0.6	34
52619	10250	13200	SOIL	TILL		1	30	2.9	0.2	29
52620	10300	13200	SOIL	TILL		1	52	1.6	0.2	19
52621	10350	13200	SOIL	TILL		1	59	25	0.2	63
52623	10450	13200	SOIL	TILL		11	95	1.1	0.2	31
52624	10500	13200	SOIL	TILL		2	160	3.8	0.3	55
52626	10600	13200	SOIL	TILL		5	136	4.7	0.4	25
52627	10650	13200	SOIL	TILL		1	103	2.1	0.2	58
52628	10700	13200	SOIL	TILL		1	56	1.2	0.2	48
52629	10750	13200	SOIL	TILL		1	30	2.4	0.3	23
52630	10800	13200	SOIL	TILL		1	153	2.4	0.2	41

SAMPLE	EAST	NORTH	TYPE	MATERIAL	REMARKS	Au ppb	Ag ppb	As ppm	Sb ppm	Hg ppb
52631	10850	13200	SOIL	TILL		5	203	90.4	1.6	126
52632	10900	13200	SOIL	TILL		2	92	10.2	0.5	42
52633	10950	13200	SOIL	TILL		42	45	15.1	1.3	76
52634	11000	13200	SOIL	TILL		9	163	16.9	2.5	128
52635	11050	13200	SOIL	TILL		1	75	22.9	1.1	89
52636	11100	13200	SOIL	TILL		8	37	3.8	1.2	49
52637	11150	13200	SOIL	TILL		2	55	2.8	0.4	40
52638	11200	13200	SOIL	TILL		2	66	4.6	0.2	66
52639	11250	13200	SOIL	TILL		2	32	9.8	0.9	50
52640	11300	13200	SOIL	TILL		5	498	16.9	0.7	122
52641	11350	13200	SOIL	TILL		3	336	10.6	0.7	100
52642	11400	13200	SOIL	TILL		2	49	3.9	0.7	60
52643	11450	13200	SOIL	TILL		4	140	13.1	0.8	73
52644	11500	13200	SOIL	TILL		1	161	4.4	0.3	70
52645	11550	13200	SOIL	TILL		2	64	3.7	0.3	71
52646	11600	13200	SOIL	TILL		1	115	7.4	0.3	76
52647	11650	13200	SOIL	TILL		4	104	2.5	0.2	61
52648	11750	13200	SOIL	TILL		1	33	6.1	0.4	42
52649	11800	13200	SOIL	TILL		10	31	2.7	0.3	39
52650	11850	13200	SOIL	TILL		1	48	2.2	0.2	35
52651	11900	13200	SOIL	TILL		1	52	4	0.2	52
52652	11950	13200	SOIL	TILL		1	54	3.8	0.3	42
52653	12000	13200	SOIL	TILL		1	30	4.9	0.2	54
52553	10000	13400	SOIL	TILL		2	31	1.2	0.2	29
52554	10050	13400	SOIL	TILL		1	30	2.3	0.2	30
52555	10100	13400	SOIL	TILL		43	37	3.6	0.2	41
52556	10150	13400	SOIL	TILL		2	30	3.9	0.2	17
52557	10200	13400	SOIL	TILL		8	30	2.1	0.2	13
52558	10250	13400	SOIL	TILL		1	30	2.4	0.2	9
52559	10300	13400	SOIL	TILL		1	30	2	0.2	5
52560	10350	13400	SOIL	TILL		1	30	2.7	0.2	17
52561	10400	13400	SOIL	TILL		2	30	2.1	0.2	18
52562	10450	13400	SOIL	TILL		1	80	1.1	0.2	18
52563	10500	13400	SOIL	TILL		50	74	4.5	0.2	18
52564	10550	13400	SOIL	TILL		27	38	2.1	0.3	41

SAMPLE	EAST	NORTH	TYPE	MATERIAL	REMARKS	Au ppb	Ag ppb	As ppm	Sb ppm	Hg ppb
52565	10600	13400	SOIL	TILL		4	72	6.9	0.3	61
52566	10650	13400	SOIL	TILL		2	30	2.4	0.2	36
52567	10700	13400	SOIL	TILL		1	33	2.5	0.2	27
52568	10750	13400	SOIL	TILL		3	31	7.2	0.4	42
52569	10800	13400	SOIL	TILL		1	45	3.9	0.3	47
52570	10850	13400	SOIL	TILL		1	30	7.4	0.2	69
52571	10900	13400	SOIL	TILL		1	44	12.1	0.4	71
52572	10950	13400	SOIL	TILL		6	207	19.6	1.2	165
52573	11050	13400	SOIL	TILL		1	115	2.2	0.2	59
52574	11100	13400	SOIL	TILL		1	66	1.7	0.2	62
52575	11150	13400	SOIL	TILL		4	50	4.7	0.2	54
52576	11200	13400	SOIL	TILL		2	50	1.8	0.2	42
52577	11250	13400	SOIL	TILL		9	239	6.9	0.3	71
52578	11300	13400	SOIL	TILL		1	58	4.9	0.3	52
52579	11350	13400	SOIL	TILL		1	46	5.7	0.2	61
52580	11400	13400	SOIL	TILL		1	88	10.5	0.2	47
52581	11450	13400	SOIL	TILL		1	155	10.6	0.2	57
52582	11500	13400	SOIL	TILL		1	128	9.6	0.2	51
52583	11550	13400	SOIL	TILL		4	76	11.6	0.7	63
52584	11600	13400	SOIL	TILL		2	237	8.3	0.2	73
52585	11650	13400	SOIL	TILL		1	125	2.5	0.2	52
52586	11700	13400	SOIL	TILL		8	173	40.1	0.2	83
52587	11750	13400	SOIL	TILL		1	138	7.7	0.2	72
52588	11800	13400	SOIL	TILL		1	58	2.5	0.2	107
52589	11850	13400	SOIL	TILL		1	214	7.2	0.2	96
52590	11900	13400	SOIL	TILL		1	30	4.7	0.2	30
52591	11950	13400	SOIL	TILL		1	32	2	0.2	45
52592	12000	13400	SOIL	TILL		1	30	3.7	0.2	36
52552	10000	13600	SOIL	TILL		2	30	2.2	0.2	16
52551	10050	13600	SOIL	TILL		1	30	3.9	0.2	39
52550	10100	13600	SOIL	TILL		1	43	3.5	0.2	32
52549	10150	13600	SOIL	TILL		1	30	3	0.2	19
52548	10200	13600	SOIL	TILL		2	30	2.1	0.2	15
52547	10250	13600	SOIL	TILL		3	30	2.3	0.2	21
52546	10300	13600	SOIL	TILL		1	30	1.3	0.2	7

SAMPLE	EAST	NORTH	TYPE	MATERIAL	REMARKS	Au ppb	Ag ppb	As ppm	Sb ppm	Hg ppb
52545	10350	13600	SOIL	TILL		2	30	2.6	0.2	37
52544	10400	13600	SOIL	TILL		17	30	1.6	0.2	16
52543	10450	13600	SOIL	TILL		4	30	2.4	0.2	36
52542	10500	13600	SOIL	TILL		3	34	0.8	0.2	37
52541	10550	13600	SOIL	TILL		2	30	0.9	0.2	29
52540	10600	13600	SOIL	TILL		2	30	4	0.2	36
52539	10650	13600	SOIL	TILL		1	30	2.2	0.2	26
52538	10700	13600	SOIL	TILL		16	30	4.1	0.2	38
52537	10950	13600	SOIL	TILL		2	338	3.5	0.2	101
52536	11000	13600	SOIL	TILL		2	185	85.2	0.2	104
52535	11050	13600	SOIL	GRAVEL		1	85	9.4	0.2	71
52534	11100	13600	SOIL	TILL		1	44	8.9	0.2	81
52533	11150	13600	SOIL	SAND		3	65	6.7	0.2	64
52532	11200	13600	SOIL	TILL		1	33	4.5	0.2	48
52531	11250	13600	SOIL	TILL		1	37	4.5	0.2	39
52530	11300	13600	SOIL	TILL		1	30	3.3	0.2	31
52529	11350	13600	SOIL	TILL		1	30	4.3	0.2	48
52528	11400	13600	SOIL	TILL		1	100	3.7	0.2	36
52527	11450	13600	SOIL	TILL		2	82	6.2	0.2	33
52526	11500	13600	SOIL	TILL		2	40	12.4	0.3	34
52385	10000	13800	SOIL	TILL		1	30	2.5	0.3	104
52386	10050	13800	SOIL	TILL		99	39	2.5	0.2	114
52387	10100	13800	SOIL	TILL		2	30	3.1	0.3	75
52614	10150	13800	SOIL	TILL		1	322	2.3	0.2	28
52613	10200	13800	SOIL	TILL		7	30	1.8	0.2	36
52612	10250	13800	SOIL	TILL		1	83	2.3	0.3	61
52611	10300	13800	SOIL	TILL		8	181	2.8	0.2	58
52610	10350	13800	SOIL	TILL		1	124	1.7	0.2	37
52609	10400	13800	SOIL	TILL		35	65	2.2	0.2	89
52608	10450	13800	SOIL	TILL		1	73	0.7	0.2	36
52607	10500	13800	SOIL	TILL		16	203	3	0.2	38
52606	10550	13800	SOIL	TILL		1	209	1.4	0.2	62
52605	10600	13800	SOIL	TILL		1	30	0.5	0.2	45
52604	10700	13800	SOIL	TILL		1	32	1.2	0.2	60
52603	10750	13800	SOIL	TILL		1	30	2.7	0.4	72

SAMPLE	EAST	NORTH	TYPE	MATERIAL	REMARKS	Au ppb	Ag ppb	As ppm	Sb ppm	Hg ppb
52602	10800	13800	SOIL	TILL		1	68	3.5	0.2	57
52601	10850	13800	SOIL	TILL		1	101	2.1	0.2	60
52400	10900	13800	SOIL	TILL		8	30	9.7	0.3	43
52399	10950	13800	SOIL	TILL		1	36	1.3	0.2	30
52398	11000	13800	SOIL	TILL		1	30	2.4	0.3	29
52397	11050	13800	SOIL	TILL		1	30	5.1	0.2	31
52396	11100	13800	SOIL	TILL		1	30	2.3	0.2	24
52395	11150	13800	SOIL	TILL		1	31	2.7	0.2	41
52394	11200	13800	SOIL	TILL		22	57	4.4	0.2	55
52393	11250	13800	SOIL	TILL		6	41	5.4	0.2	70
52392	11300	13800	SOIL	TILL		1	30	1.3	0.2	49
52391	11350	13800	SOIL	TILL		1	30	2.7	0.2	27
52390	11400	13800	SOIL	TILL		1	30	1.5	0.2	91
52389	11450	13800	SOIL	TILL		1	30	3.4	0.2	38
52388	11500	13800	SOIL	TILL		1	30	2.3	0.2	23
52525	10000	14000	SOIL	TILL		1	37	1.9	0.2	30
52524	10050	14000	SOIL	TILL		1	69	2.8	0.2	40
52523	10100	14000	SOIL	TILL		1	30	3.1	0.2	38
52522	10150	14000	SOIL	TILL		1	34	2.6	0.2	39
52521	10200	14000	SOIL	TILL		1	45	3.8	0.2	65
52520	10250	14000	SOIL	TILL		1	90	3.5	0.2	72
52519	10300	14000	SOIL	TILL		1	51	3.1	0.2	35
52518	10350	14000	SOIL	TILL		12	84	5	0.2	69
52517	10400	14000	SOIL	TILL		4	78	4.7	0.2	75
52516	10450	14000	SOIL	TILL		2	78	2.7	0.4	57
52515	10500	14000	SOIL	TILL		4	53	36.8	0.5	85
52514	10550	14000	SOIL	TILL		42	85	6	0.3	73
52513	10600	14000	SOIL	TILL		3	68	5.6	0.3	78
52512	10650	14000	SOIL	TILL		1	116	7.7	0.3	99
52511	10700	14000	SOIL	TILL		1	70	2.8	0.2	45
52510	10750	14000	SOIL	TILL		3	111	3.7	0.3	47
52509	10800	14000	SOIL	TILL		3	141	3.4	0.2	55
52508	10850	14000	SOIL	TILL		83	82	7.4	0.5	80
52507	10900	14000	SOIL	TILL		6	75	4.9	0.3	63
52506	10950	14000	SOIL	TILL		1	30	3.2	0.2	58

SAMPLE	EAST	NORTH	TYPE	MATERIAL	REMARKS	Au ppb	Ag ppb	As ppm	Sb ppm	Hg ppb
52505	11000	14000	SOIL	TILL		1	31	4.3	0.4	48
52504	11050	14000	SOIL	TILL		1	34	5.4	0.2	48
52503	11100	14000	SOIL	TILL		1	41	2.2	0.2	49
52502	11150	14000	SOIL	TILL		23	52	3.6	0.2	53
52501	11200	14000	SOIL	TILL		1	91	3.7	0.2	61
52300	11250	14000	SOIL	TILL		2	71	4.4	0.3	76
52299	11300	14000	SOIL	TILL		4	31	4.3	0.2	95
52298	11350	14000	SOIL	TILL		4	30	1.5	0.2	55
52297	11400	14000	SOIL	TILL		2	30	2.6	0.3	65
52296	11450	14000	SOIL	TILL		1	30	2.3	0.3	77
52295	11500	14000	SOIL	TILL		2	30	1.4	0.3	53

APPENDIX 2

Analytical Method

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

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

APPENDIX 3

GEOCHEMICAL CERTIFICATES

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

GEOCHEMICAL EXTRACTION-ANALYSIS CERTIFICATE

Phelps Dodge Corp. PROJECT 248 File # 95-2288 Page 1

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
46697	.9	24.1	6570.7	249.8	626	6	18	898	4.93	46.8	<5	2	63	1.70	1.0	.5	33	3.37	.043	1	<1	1.12	57	<.01	6	2.60	.01	.09	<2	.3	450	.3	2.0	2.3	30
46698	5.6	5.9	14.6	25.0	1983	6	7	1730	2.52	29.5	<5	1	48	.03	.8	.1	31	4.92	.024	4	5	.73	166	<.01	<2	.85	<.01	.09	<2	.1	13	.5	.4	3.7	194
46699	1.4	2.3	9.4	114.1	54	8	13	1481	5.96	9.2	<5	5	25	.21	.3	1.8	58	.91	.282	53	<1	.20	105	.03	<2	.69	.05	.11	<2	<.1	151	<.3	.3	2.1	14
46700	.7	6.4	912.6	91.2	76	4	12	1022	4.70	5.4	<5	2	20	.24	1.0	.4	73	.37	.070	7	11	1.22	245	.02	<2	2.88	.03	.09	<2	.3	83	<.3	.4	6.9	31
51551	1.3	14.5	10.6	84.5	1300	5	6	579	3.11	86.6	<5	2	22	.07	1.4	.1	42	.34	.080	19	2	.68	138	.09	<2	.94	.02	.11	<2	<.1	17	.3	.2	6.5	95
51552	4.1	8.2	13.4	10.3	31	12	2	375	.93	8.1	<5	2	38	.04	.2	1.2	6	1.02	.069	8	15	.10	21	.01	6	.20	<.01	.03	4	<.1	6	<.3	.2	<.5	9
51553	1.5	2.5	832.4	63.7	76	4	8	312	2.02	5.7	<5	3	6	.13	.2	.2	30	.11	.042	21	<1	.98	25	<.01	2	1.24	.05	.04	<2	.1	74	<.3	.3	6.5	5
51554	1.1	25.8	9.7	52.5	537	30	31	764	3.26	55.6	<5	1	165	.18	8.8	.2	59	2.28	.209	47	25	.37	33	.47	<2	.99	<.01	.22	2	.2	222	<.3	.4	4.1	19
51555	2.4	12.3	4.7	35.5	83	14	10	938	1.02	57.6	<5	1	264	.18	4.0	.2	17	4.59	.008	7	7	.09	14	.02	2	.23	<.01	.07	3	.1	284	<.3	<.1	.6	8
51556	1.3	20.6	200.7	49.3	188	12	10	976	2.48	19.7	<5	<1	198	.15	4.1	.1	40	2.30	.125	28	19	.24	30	.20	<2	.76	<.01	.23	2	.1	816	<.3	.2	3.6	22
RE 51556	1.3	21.6	223.9	53.3	206	13	10	1070	2.68	20.4	<5	<1	215	.16	4.3	.1	44	2.48	.136	31	17	.26	30	.24	<2	.84	<.01	.26	2	.2	854	<.3	.3	3.7	9
RRE 51556	1.1	22.1	7.0	45.0	219	13	11	992	2.63	23.8	<5	<1	212	.13	4.6	.1	43	2.37	.136	31	19	.25	27	.22	<2	.83	<.01	.25	<2	.2	813	<.3	.2	4.0	10
52401	1.2	228.8	15.5	80.7	451	9	23	1413	6.93	6.3	<5	2	109	.31	1.5	.1	127	3.24	.087	11	51	2.92	1578	.07	4	2.31	.04	.03	<2	.1	48	<.3	<.1	11.5	2
52402	.9	37.1	147.9	113.0	85	10	23	1436	6.74	2.9	<5	2	87	.12	1.3	<.1	158	2.06	.071	9	23	2.51	122	.19	3	2.10	.09	.05	<2	<.1	40	<.3	.2	9.2	2
52403	.5	22.2	9.6	44.6	221	5	17	649	2.52	27.3	<5	1	24	.10	5.5	.2	22	.34	.026	8	24	.56	1014	<.01	<2	1.39	<.01	.15	<2	.1	137	<.3	.2	1.8	36
52404	.6	57.0	5.3	84.1	86	81	32	1165	6.53	9.3	<5	1	284	.14	1.1	.1	114	3.60	.101	9	196	3.26	1324	.12	<2	3.25	.18	.05	<2	<.1	20	<.3	.2	10.7	2
52405	1.3	436.9	34.3	118.7	235	3	10	1141	5.41	1.2	<5	1	42	.15	2.6	<.1	65	2.61	.069	9	19	.79	761	<.01	<2	1.43	.05	.17	<2	.1	33	<.3	.3	4.5	135
52406	1.1	39.3	3.6	45.8	95	3	8	1147	2.88	9.4	<5	2	64	.16	.3	<.1	53	5.29	.078	8	<1	1.16	83	<.01	6	2.25	.02	.12	<2	<.1	21	<.3	.2	5.3	10
52407	.5	3.7	8.6	261.0	<30	4	18	3335	7.27	13.7	<5	<1	145	2.18	<.2	.1	30	13.11	.023	3	<1	6.51	230	<.01	<2	.48	.01	.06	<2	.2	75	.3	.2	.5	3
52408	.3	4.4	106.5	152.5	31	8	30	3471	7.71	2.4	<5	<1	91	1.05	1.1	<.1	23	16.39	.018	3	<1	9.39	51	.01	<2	.71	.01	.03	<2	.1	21	<.3	.4	1.1	2
52409	2.3	3.6	9.7	90.0	46	8	12	1668	3.33	4.6	5	2	33	.74	.5	.2	15	5.22	.018	2	5	3.11	216	<.01	7	.33	.01	.01	<2	<.1	<5	<.3	.5	.5	1
52410	1.3	1.3	5.2	79.9	67	1	1	468	.90	3.5	<5	15	8	.09	<.2	<.1	5	.74	.007	45	5	.30	45	.05	<2	.25	.04	.07	<2	.1	<5	<.3	.3	<.5	7
RE 52410	1.2	1.2	5.7	80.2	70	2	1	465	.89	3.2	<5	17	8	.08	.3	.2	6	.72	.007	47	6	.29	45	.05	5	.26	.04	.07	<2	.1	<5	<.3	.2	.6	2
RRE 52410	1.5	1.8	78.0	81.5	135	2	1	496	.97	3.3	<5	15	7	.11	.4	.1	5	.90	.007	46	<1	.38	42	.05	<2	.28	.05	.08	<2	.1	14	<.3	.7	1.1	4
52411	1.1	30.7	2.6	66.0	<30	18	24	509	6.96	2.2	<5	2	65	.15	<.2	.1	120	1.86	.232	18	14	2.15	86	.51	3	2.38	.20	.24	<2	<.1	23	<.3	.2	10.5	2
52412	.4	5.4	4.7	55.2	59	10	22	1174	6.25	5.2	<5	1	388	.11	.5	.2	77	9.83	.062	8	<1	5.35	220	.02	3	.53	.02	.07	<2	<.1	22	<.3	.3	1.8	2
52413	1.3	13.2	19.5	83.4	53	2	9	2877	5.81	55.1	12	1	127	.28	2.0	.3	27	9.19	.033	11	19	4.20	973	<.01	2	.44	.01	.09	<2	.2	553	<.3	.6	<.5	4
52414	1.7	3.5	3.2	65.3	40	3	8	1510	4.90	268.7	<5	1	38	.12	1.5	<.1	27	6.59	.053	13	4	.56	419	<.01	3	.88	.01	.11	<2	.2	336	<.3	.6	1.4	4
52415	.8	10.5	12.1	79.4	266	4	17	3256	5.53	19.5	<5	<1	139	.72	2.9	.2	16	12.78	.018	6	44	7.04	2402	<.01	<2	.20	.01	.03	<2	.2	38	.5	.6	.9	8
52417	.4	172.0	21.2	74.7	570	5	22	3698	6.29	7.4	<5	<1	172	.72	6.6	<.1	13	18.92	.014	5	22	8.87	1403	<.01	<2	.23	.01	.01	<2	<.1	196	.3	.4	<.5	2
52418	4.0	1371.5	8.4	166.9	1175	8	31	2111	8.03	38.1	<5	1	114	.88	131.2	<.1	120	6.81	.027	10	<1	2.41	130	<.01	<2	.39	.01	.05	<2	<.1	2134	.7	1.8	<.5	223
52419	.7	19.5	13.9	72.9	114	1	12	3114	4.84	32.0	<5	<1	197	.41	1.4	<.1	27	14.03	.030	13	23	2.30	1470	<.01	<2	.36	.01	.05	<2	.1	90	<.3	.3	<.5	4
52420	.6	15.2	6.2	27.7	55	1	5	2704	2.57	12.0	<5	1	174	.39	.4	.2	25	13.35	.037	18	19	.33	914	<.01	<2	.52	.02	.07	<2	<.1	26	.3	.3	1.3	5
52421	.4	7.6	2.6	94.5	<30	5	7	933	5.75	4.9	<5	1	56	.10	2.1	.1	71	2.06	.080	16	8	1.12	74	<.01	<2	1.49	.03	.12	<2	<.1	214	.3	.4	5.2	6
STANDARD D/AU-R	22.8	119.9	88.7	263.4	1883	27	15	951	4.66	72.0	20	21	59	2.27	9.6	22.8	63	.72	.086	18	54	1.18	229	.14	27	2.40	.07	.75	18	1.9	431	.9	2.4	6.7	516

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

DATE RECEIVED: JUL 12 1995 **DATE REPORT MAILED:** July 22/95 **SIGNED BY.....** D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
52422	1.0	27.2	5.9	39.0	79	13	20	506	3.39	135.8	<5	1	70	.14	1.2	.1	91	.89	.181	32	34	.11	250	.05	<2	.71	.13	.12	<2	.1	14	<.3	.2	3.8	9
52423	1.1	24.4	19.3	93.5	147	26	17	1032	5.29	9.6	6	2	83	.26	1.6	<.1	98	1.14	.189	37	27	.28	144	.06	3	.88	.17	.07	<2	.3	19	<.3	<.1	5.3	3
52424	3.1	10.8	2.8	32.7	141	6	6	194	3.74	3.4	6	4	57	.06	.8	<.1	99	.51	.120	21	11	.13	148	.36	<2	.98	.09	.13	<2	.2	18	<.3	.1	6.5	3
52425	.9	16.4	3.1	18.0	68	7	5	110	4.37	225.4	<5	4	340	.02	.5	<.1	48	.50	.085	16	29	.20	324	.10	4	1.88	.18	.76	<2	.2	19	<.3	<.1	5.9	2
52426	1.6	15.9	12.8	10.3	97	3	3	105	3.46	202.4	<5	5	313	.02	.7	.1	55	.44	.078	27	21	.16	163	.06	5	1.45	.29	.38	<2	.4	19	<.3	.1	5.6	<1
52427	2.2	4.1	5.9	48.2	146	3	<1	309	.92	11.4	<5	8	7	.05	.5	<.1	2	.04	.009	14	6	.01	28	.01	<2	.20	.05	.09	<2	.1	<5	<.3	<.1	1.1	1
52428	2.6	11.2	4.5	193.1	<30	36	26	2719	12.17	7.3	<5	4	57	.42	<.2	.5	84	.53	.141	28	1	.18	147	.04	3	.35	.07	.12	<2	<.1	33	.6	.3	1.3	1
52429	2.8	3.7	29.4	90.7	<30	15	6	615	3.52	21.0	7	4	14	.12	2.6	.1	12	.04	.022	16	14	.02	51	<.01	6	.38	<.01	.03	2	.1	1431	.3	<.1	.9	1
52430	6.0	3.4	7.0	21.6	202	4	1	66	.43	50.9	<5	3	10	.02	4.4	<.1	2	.04	.004	19	2	.01	106	<.01	3	.27	<.01	.06	<2	.1	900	<.3	.2	2.2	28
52431	9.0	2.8	8.5	136.7	152	16	8	832	3.87	68.1	<5	3	13	.09	4.4	.1	14	.04	.012	19	5	.02	55	<.01	<2	.39	<.01	.06	<2	.2	1878	.3	.1	2.7	8
52433	1.0	13.9	18.5	85.2	68	3	10	856	4.57	7.7	<5	3	13	.08	.5	<.1	74	.40	.089	28	3	1.42	62	.17	6	1.45	.05	.12	2	<.1	50	<.3	<.1	11.9	2
52434	1.1	21.4	6.9	99.5	56	5	8	1144	4.62	7.0	<5	3	22	.18	.3	<.1	91	.51	.083	29	9	1.52	93	.41	6	1.27	.08	.08	2	.2	25	<.3	<.1	14.2	1
RE 52434	1.2	22.9	6.5	102.8	55	5	9	1167	4.75	6.9	<5	2	23	.20	.3	.1	94	.53	.086	30	11	1.58	97	.42	5	1.31	.08	.08	<2	<.1	10	<.3	<.1	14.3	1
RRE 52434	.9	22.5	6.3	102.7	63	5	9	1157	4.57	8.8	<5	1	22	.19	.2	<.1	90	.51	.085	30	9	1.55	91	.40	<2	1.28	.07	.08	<2	.1	18	<.3	<.1	14.1	1
52435	1.4	16.3	18.4	89.2	30	4	7	915	4.02	7.4	<5	2	26	.16	<.2	<.1	87	.42	.112	31	8	.94	179	.20	4	.89	.10	.10	2	.1	12	<.3	<.1	8.9	2
52436	.7	4.9	9.6	54.8	<30	3	2	1133	2.33	4.7	<5	1	29	.17	.3	<.1	28	2.08	.060	38	6	.20	118	.05	<2	.53	.05	.19	<2	<.1	<5	.4	<.1	2.8	21
52437	.3	46.0	8.8	74.0	<30	13	17	930	4.58	.8	<5	1	139	.24	<.2	<.1	61	1.41	.069	23	17	1.26	81	.02	6	2.04	.05	.21	2	<.1	22	.5	<.1	5.3	3
52438	.5	53.3	9.9	76.9	<30	14	17	926	4.89	.8	<5	1	134	.15	<.2	.2	72	1.33	.068	21	14	1.12	84	.09	3	1.91	.05	.20	2	.1	5	.3	<.1	6.4	3
52439	.4	39.4	7.5	62.4	104	6	12	707	3.67	.9	5	2	122	.10	.3	<.1	48	.89	.036	25	10	.74	75	.02	4	1.59	.05	.18	<2	.1	<5	.3	<.1	5.4	3
52440	.4	34.3	10.4	57.5	132	5	9	677	3.54	5.0	<5	2	109	.18	.3	<.1	35	1.11	.044	19	5	.64	70	.08	<2	1.52	.04	.18	<2	.1	<5	<.3	<.1	4.8	31
52441	.3	31.5	11.4	63.4	107	5	9	771	3.32	2.4	<5	1	101	.13	.3	<.1	36	1.42	.044	21	2	.66	65	.22	<2	1.47	.04	.17	2	.1	<5	<.3	<.1	5.7	2
52442	.8	39.7	15.5	53.1	156	6	14	717	3.26	9.5	<5	1	92	.16	1.0	<.1	39	1.52	.071	20	7	.53	89	.14	<2	1.34	.04	.20	9	.1	17	<.3	<.1	4.8	15
52443	.3	29.6	9.3	66.4	200	5	10	776	3.30	1.7	<5	1	77	.11	.8	<.1	36	.80	.041	23	<1	.68	65	.24	<2	1.47	.03	.18	3	.2	<5	<.3	.2	7.7	2
52444	.3	18.0	8.1	68.2	51	3	7	687	3.00	3.1	<5	3	73	.12	<.2	<.1	27	.74	.030	24	3	.57	69	.21	2	1.47	.03	.22	2	<.1	<5	.4	<.1	4.3	2
RE 52444	.3	19.3	7.7	66.1	222	3	7	663	2.89	2.2	<5	2	71	.11	.7	<.1	25	.72	.030	22	6	.55	64	.20	4	1.39	.03	.21	2	.2	<5	<.3	.1	6.6	2
RRE 52444	.1	18.1	7.0	65.6	92	4	7	654	2.85	3.2	<5	3	71	.13	<.2	.1	25	.67	.027	22	<1	.55	57	.21	4	1.35	.02	.18	2	.1	<5	.5	<.1	5.8	2
52445	.2	69.3	6.9	75.9	294	7	14	1194	5.35	7.4	<5	3	84	.11	.5	<.1	74	.94	.091	20	1	1.12	62	.32	5	2.08	.03	.19	2	<.1	5	.6	<.1	8.2	10
52446	.3	83.4	7.9	70.5	483	6	16	1545	6.84	13.9	<5	4	97	.17	.5	<.1	96	2.16	.141	24	<1	1.30	57	.53	<2	2.18	.04	.16	4	.1	11	.3	<.1	8.3	25
52447	.4	80.9	8.2	74.1	400	7	20	2082	7.05	8.2	<5	3	101	.28	.7	<.1	101	3.63	.129	23	7	1.64	57	.36	2	2.41	.04	.16	4	.1	<5	.3	<.1	10.6	6
52448	9.1	4.8	6.3	34.6	197	7	3	73	1.32	42.9	<5	2	7	.14	9.2	.1	3	.01	.003	18	1	.01	80	<.01	<2	.24	<.01	.06	2	.3	3229	<.3	<.1	1.5	23
52449	4.6	4.1	20.7	77.8	119	46	15	897	5.92	36.7	<5	2	3	.17	10.4	<.1	24	.04	.004	14	2	.09	11	<.01	<2	.26	<.01	.02	2	.2	1280	<.3	<.1	2.3	13
52450	5.3	3.6	6.4	76.7	93	8	4	288	1.76	39.6	<5	3	20	.05	3.4	<.1	6	.06	.004	19	4	.01	220	<.01	<2	.35	<.01	.07	2	.1	921	.3	<.1	2.2	15
52451	.4	44.6	12.0	32.1	331	38	22	723	4.89	6.1	<5	<1	132	.20	2.9	<.1	87	18.83	.038	3	23	1.93	15	<.01	5	1.82	.02	.04	<2	.2	88	<.3	.1	11.2	2
52452	1.4	7.6	18.6	25.7	<30	8	9	551	2.03	8.7	<5	1	276	.10	.3	<.1	59	3.10	.043	6	59	.66	2151	.13	4	1.26	.03	.03	3	<.1	17	<.3	<.1	5.3	1
STANDARD	20.5	120.7	85.4	273.2	1851	28	14	932	4.41	79.1	21	17	59	2.08	9.8	20.2	64	.68	.090	17	54	1.12	229	.15	25	2.26	.08	.72	19	2.3	462	.9	1.9	6.7	522

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
52453	1.3	4.6	3.5	138.8	<30	4	10	558	2.26	2.9	<5	<1	86	.04	.8	<.1	27	1.15	.146	6	2	1.44	85	.15	<2	1.76	.07	.13	<2	.1	24	.3	<.1	6.9	3
52454	.4	3.1	2.7	110.8	49	11	44	2494	8.61	3.6	<5	<1	235	.58	1.0	<.1	50	16.48	.013	3	<1	9.22	50	.01	<2	.38	.01	.01	<2	.1	51	.5	.3	1.9	5
52455	.8	14.3	11.4	70.4	<30	4	11	987	3.87	2.4	7	1	26	.09	1.3	<.1	76	1.27	.060	11	<1	1.31	76	.13	4	1.05	.06	.11	<2	<.1	19	.4	<.1	6.8	3
52456	.9	12.5	12.0	92.6	<30	8	18	1303	5.47	2.6	<5	<1	48	.41	<.2	<.1	129	1.11	.103	13	10	2.24	121	.03	<2	1.98	.08	.09	<2	<.1	13	.5	<.1	13.4	7
52457	.6	42.5	9.8	58.5	131	4	13	985	4.47	7.1	<5	1	43	.37	4.4	.1	116	2.43	.052	10	1	1.02	113	.06	<2	.55	.04	.08	<2	<.1	21	<.3	.1	3.0	5
52458	4.0	51.0	7.5	48.2	208	3	22	523	4.96	3.1	<5	<1	22	.10	.7	.2	59	.49	.097	9	<1	1.02	204	<.01	<2	3.45	.01	.16	<2	<.1	83	.5	.6	5.7	10
52460	.4	53.1	5.3	45.7	55	4	8	618	3.84	2.5	<5	1	10	.06	5.2	<.1	55	.28	.061	16	10	.18	81	.01	2	1.03	.03	.19	<2	.2	63	<.3	<.1	3.1	6
52461	1.4	22.8	5.4	144.1	<30	11	14	2729	7.08	13.1	<5	<1	59	.38	1.3	.2	96	4.34	.037	12	3	.42	111	<.01	<2	.54	.02	.09	<2	<.1	134	.6	<.1	1.1	3
52462	1.0	124.2	9.0	63.3	171	5	11	492	4.74	25.0	5	<1	25	.09	3.2	.3	53	1.09	.069	14	1	.29	51	<.01	3	.90	.02	.17	<2	.1	370	.3	.7	3.1	49
52463	.7	42.0	8.9	79.8	223	7	17	2251	5.49	15.1	<5	<1	58	.31	2.7	.2	58	6.62	.046	10	2	1.30	134	<.01	<2	.62	.01	.15	<2	.2	157	<.3	.7	2.5	21
RE 52463	.7	39.5	8.2	83.1	229	7	19	2329	5.77	13.8	<5	<1	61	.32	2.1	.5	61	6.97	.048	11	<1	1.38	138	<.01	<2	.69	.01	.17	<2	.2	171	.4	.5	2.2	20
RRE 52463	.9	44.5	7.4	83.5	257	7	18	2276	5.57	13.0	<5	<1	59	.33	3.2	.5	61	6.70	.046	12	<1	1.33	110	<.01	<2	.66	.01	.15	<2	.3	164	<.3	.8	2.5	24
52464	.4	7.0	12.6	119.1	147	7	17	2066	5.39	3.0	7	<1	84	.77	2.8	.1	47	8.30	.056	8	21	5.70	1115	.03	<2	.71	.03	.15	<2	.2	30	<.3	.4	3.2	7
52465	1.2	20.4	4.6	93.0	<30	2	9	830	3.16	1.4	<5	<1	10	.18	1.7	.2	49	.30	.061	9	<1	.14	211	<.01	2	.76	.01	.21	<2	.1	21	<.3	<.1	1.5	7
52466	.6	34.0	4.1	89.5	224	8	30	1126	5.16	4.9	<5	1	30	.09	2.9	.2	68	.59	.084	15	<1	.56	140	.01	5	1.30	.03	.22	<2	<.1	229	<.3	.4	4.7	8
52467	.5	224.2	3.9	89.2	170	7	21	966	5.04	1.9	<5	<1	65	.12	1.3	.2	79	2.43	.091	17	9	2.19	115	.01	<2	2.21	.03	.23	<2	.1	45	.3	.3	10.5	12
52468	1.0	2251.4	3.3	64.9	312	9	30	1024	4.99	2.8	<5	<1	36	.29	1.5	<.1	71	2.34	.087	18	14	1.18	173	<.01	<2	1.72	.04	.22	<2	.5	54	<.3	.1	7.9	96
52469	.3	13.0	3.6	92.8	<30	2	7	1299	3.11	1.0	<5	1	39	.05	.8	<.1	44	2.26	.062	16	4	1.43	72	<.01	3	2.05	.04	.19	<2	.2	21	<.3	.3	8.9	12
52470	1.8	100.3	7.0	70.0	187	3	11	742	3.62	1.1	<5	1	48	.09	.4	<.1	54	.95	.063	14	2	1.34	189	.03	4	1.80	.08	.13	<2	<.1	33	.7	.4	9.3	8
52471	.3	25.9	5.1	90.9	<30	6	14	1038	4.52	4.8	<5	<1	53	.29	.9	.2	91	2.75	.032	6	3	.77	303	.02	2	1.65	.06	.15	<2	.1	40	<.3	.1	5.5	6
52472	1.7	5.9	8.9	75.8	5801	3	1	261	1.20	14.8	<5	3	10	.08	1.4	.3	8	.14	.046	41	4	.06	59	.02	5	.56	.05	.17	<2	.2	27	<.3	.1	2.6	1401
STANDARD	22.8	121.0	83.4	273.8	1882	28	15	968	4.19	77.7	22	20	60	2.28	9.4	19.2	66	.67	.088	17	58	1.21	232	.15	27	2.40	.07	.76	19	1.8	465	1.1	2.0	6.6	512

Standard is STANDARD D/AU-R, 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

GEOCHEMICAL EXTRACTION-ANALYSIS CERTIFICATE

Phelps Dodge Corp. PROJECT 248 File # 95-4036 Page 1

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

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
54280	4.2	17.9	21.4	18.9	1180	9	2	175	1.38	281.7	<5	1	17	.08	6.9	1.0	8	.06	.007	2	14	.05	160	<.01	<2	.12	.01	.03	4	.5	60	<.3	<.1	.6	57
54292	2.0	5.7	5.7	53.0	289	4	8	1863	2.91	13.9	6	2	147	.18	.2	<.1	38	12.09	.025	6	4	.88	177	<.01	<2	.99	.01	.11	<2	.1	15	<.3	<.1	3.6	98
54293	3.6	7.1	4.6	7.4	55	7	2	100	.88	14.0	<5	6	14	.07	1.3	<.1	4	.26	.014	17	11	.01	133	<.01	2	.16	.04	.16	2	.2	516	<.3	<.1	.7	7
54294	8.1	4.9	2.9	34.6	307	5	5	118	1.67	16.2	<5	1	15	.06	1.7	.1	28	.17	.019	2	7	.43	199	<.01	<2	.64	.01	.10	<2	.2	874	<.3	<.1	2.9	18
54295	.6	28.5	5.5	57.7	378	4	8	1192	3.95	138.3	<5	2	119	.23	1.3	<.1	38	5.42	.045	2	3	1.11	118	<.01	<2	1.86	.02	.24	<2	.2	180	<.3	<.1	3.2	15
54296	9.1	57.2	4.9	6.9	64	7	<1	118	.90	4.1	<5	8	3	.04	.2	.1	2	.08	<.002	9	9	.02	16	.01	<2	.23	.07	.12	3	.1	6	<.3	<.1	1.4	1
54297	2.3	17.5	1.9	49.7	60	16	8	981	3.36	8.2	<5	2	27	.14	.5	.1	43	.67	.029	12	18	.15	59	.05	<2	.63	.02	.07	2	.1	26	<.3	<.1	2.5	5
54298	1.9	19.7	4.6	12.6	68	8	3	937	1.23	13.3	5	2	138	.17	.6	<.1	32	5.73	.006	20	9	.05	371	<.01	<2	.21	.01	.09	2	.2	88	<.3	<.1	1.0	2
54299	3.0	6.9	7.1	8.2	504	8	1	196	.66	17.2	<5	7	9	.04	.4	<.1	8	.09	.006	28	10	.02	42	<.01	<2	.24	.04	.14	2	.1	64	<.3	<.1	.9	13
54300	3.0	31.8	5.3	36.2	238	5	6	273	2.60	22.8	<5	2	81	.11	1.5	<.1	43	.76	.033	8	5	.19	121	.02	2	.57	.02	.15	<2	.5	277	3.4	<.1	2.3	1
RE 54300	2.9	30.6	5.2	34.3	222	5	6	260	2.47	22.0	<5	1	75	.11	1.4	<.1	39	.72	.032	7	5	.17	104	.02	<2	.53	.02	.14	<2	.4	267	3.9	<.1	2.0	1
RRE 54300	3.1	35.3	5.8	36.6	220	5	6	298	2.63	24.3	<5	1	85	.13	1.6	<.1	47	.88	.035	7	6	.19	109	.03	4	.57	.02	.15	<2	.5	266	5.1	<.1	2.3	2
54824	2.3	5.1	6.5	22.7	31	7	1	236	.51	1.7	<5	6	4	.03	<.2	<.1	4	.02	.008	24	11	<.01	34	.02	<2	.14	.07	.14	2	.1	13	.6	.1	.6	<1
54825	1.4	1.6	5.7	18.4	<30	4	<1	173	.75	2.2	<5	14	3	.08	.4	.1	6	.01	.007	55	4	.01	18	.02	<2	.15	.07	.13	<2	.1	13	.3	<.1	.9	1
54826	2.0	2.4	3.7	16.2	<30	2	1	188	.34	1.5	<5	14	2	<.01	.2	<.1	1	.03	.002	25	4	<.01	20	.03	2	.15	.07	.13	<2	.1	<5	.4	<.1	.5	1
54827	1.4	2.1	2.3	<1	<30	4	1	60	.20	.8	<5	7	5	<.01	2.2	<.1	3	.01	.003	28	6	<.01	22	<.01	<2	.16	.05	.16	<2	.2	335	<.3	<.1	.7	<1
54828	3.8	83.6	11.5	5.9	96	14	33	274	2.17	29.0	5	1	26	.08	1.2	.1	32	.05	.004	12	22	.01	124	<.01	2	.15	<.01	.02	4	.4	381	8.3	.1	.9	2
54829	1.5	3.3	4.6	6.2	<30	5	<1	43	.30	17.7	<5	4	10	.02	4.4	<.1	6	.01	.003	20	6	<.01	35	<.01	<2	.12	.05	.12	2	.1	1768	.5	<.1	.8	<1
54830	5.0	4.5	6.6	56.5	39	8	2	146	.79	25.9	<5	3	5	.11	4.3	<.1	4	<.01	.005	17	8	<.01	27	<.01	<2	.22	<.01	.02	2	.2	1824	.6	<.1	1.6	12
54831	2.8	3.2	4.7	33.7	39	5	1	68	1.47	43.1	<5	3	4	.02	9.8	.1	4	.01	.009	13	6	<.01	31	<.01	<2	.26	<.01	.01	<2	.1	57	<.3	<.1	1.2	9
54832	1.0	11.6	2.3	19.7	134	3	<1	72	.31	2.7	<5	2	4	.08	1.5	<.1	3	.02	.005	15	4	<.01	17	<.01	<2	.15	<.01	.09	<2	.1	33	<.3	<.1	.7	1
54833	4.2	3.9	10.7	4.4	80	5	<1	103	.67	47.4	<5	6	3	.03	.9	.1	2	<.01	.004	41	7	<.01	21	.01	2	.19	.07	.19	<2	.1	67	<.3	<.1	.6	1
RE 54833	4.5	3.7	10.5	3.7	86	4	<1	89	.67	50.2	<5	6	3	<.01	.9	<.1	2	<.01	.004	41	7	<.01	23	.01	<2	.18	.07	.19	2	.2	76	<.3	<.1	.8	1
RRE 54833	3.8	4.9	10.2	3.4	69	3	<1	96	.65	50.7	<5	6	3	<.01	.9	<.1	2	<.01	.004	40	6	<.01	23	.01	<2	.17	.07	.17	<2	.2	66	<.3	<.1	.5	2
54834	1.2	3.9	6.6	14.4	127	3	1	97	.65	27.0	<5	1	58	.07	9.4	<.1	4	.03	.016	4	2	<.01	204	<.01	4	.38	<.01	.15	<2	.1	1690	<.3	<.1	1.5	<1
54835	.6	35.2	4.7	72.3	82	7	18	1078	2.24	4.3	9	1	252	.15	.3	<.1	103	21.66	.010	1	5	.65	1516	<.01	<2	.21	.01	.03	<2	.1	127	<.3	<.1	.5	1
54836	3.4	5.3	6.3	9.2	<30	7	<1	92	.43	16.5	<5	4	7	.02	3.5	<.1	8	.16	.005	26	10	.01	128	.01	<2	.19	.06	.14	2	.1	1314	<.3	<.1	1.6	1
54837	5.3	5.4	12.7	<1	2850	3	1	87	.44	131.0	<5	7	7	<.01	5.4	<.1	1	.07	.002	24	8	<.01	131	<.01	<2	.13	.01	.16	3	.2	23	<.3	8.2	2.2	54
54838	2.1	2.9	4.8	33.3	132	8	5	185	.57	8.3	<5	3	14	.02	1.0	<.1	7	.37	.005	23	6	.01	214	<.01	<2	.24	<.01	.17	<2	.1	43	<.3	.1	1.0	9
54839	2.6	1.6	2.7	7.1	<30	4	1	44	.36	10.5	<5	4	9	.01	.7	<.1	2	.03	.008	25	6	<.01	37	<.01	<2	.21	<.01	.20	<2	.1	22	<.3	<.1	1.0	15
54840	15.2	4.2	6.6	22.3	<30	5	1	94	.74	11.2	<5	3	4	.01	4.0	<.1	3	<.01	.009	15	7	<.01	24	<.01	<2	.25	<.01	.02	3	.3	1675	<.3	<.1	1.7	11
54841	2.4	8.2	.7	9.2	143	8	<1	69	.39	3.6	<5	2	11	.02	.5	<.1	2	.03	.002	13	10	<.01	107	<.01	<2	.15	<.01	.12	2	.1	56	<.3	<.1	.9	17
54842	3.5	3.8	2.0	4.2	65	4	3	141	.34	7.6	5	2	592	.04	1.9	<.1	20	.03	.091	14	11	.01	1671	<.01	<2	.43	<.01	.15	2	.2	16	<.3	<.1	2.1	3
54843	10.3	3.8	8.1	1.9	343	4	1	88	.47	9.3	<5	2	17	<.01	.9	<.1	1	.02	.004	16	7	<.01	83	<.01	2	.16	<.01	.16	2	.3	36	<.3	<.1	.9	112
STANDARD	22.6	114.6	89.7	275.8	1887	27	15	929	4.37	69.4	20	21	58	2.18	9.5	19.6	69	.69	.086	17	51	1.17	242	.15	24	2.06	.05	.73	18	2.4	1975	.7	1.9	6.9	526

Standard is STANDARD D/C/AU-R.

ICP - 30 GRAM SAMPLE IS DIGESTED WITH 90 ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 100 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K GA AND AL. SOLUTION ANALYSED DIRECTLY BY ICP. MO CU PB ZN AG AS AU CD SB BI TL HG SE TE AND GA ARE EXTRACTED WITH MIBK-ALIQUAT 336 AND ANALYSED BY ICP. ELEVATED DETECTION LIMITS FOR SAMPLES CONTAIN CU,PB,ZN,AS>1500 PPM,Fe>20%.

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

DATE RECEIVED: OCT 11 1995 DATE REPORT MAILED: Oct 23/95 SIGNED BY. .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
54844	22.5	13.9	4.4	22.3	2060	7	2	155	1.03	5.3	<5	2	15	.05	1.1	<.1	6	.01	.004	10	11	.01	84	<.01	<2	.15	.01	.06	5	.1	24	<.3	<.1	.7	1684
54845	4.8	8.3	1.9	1.4	65	13	<1	131	.80	5.2	<5	<1	1	.01	.2	<.1	15	<.01	<.002	<1	14	<.01	9	<.01	<2	<.01	<.01	<.01	<2	<.1	7	<.3	<.1	<.5	23
54846	5.7	3.8	4.6	51.0	59	10	<1	125	.86	18.6	<5	3	5	.11	5.2	<.1	5	.01	.007	15	10	<.01	40	<.01	<2	.26	<.01	.02	3	<.1	1694	<.3	<.1	1.4	27
54847	2.2	3.9	2.1	6.4	<30	7	<1	66	.39	7.6	<5	2	2	.01	1.4	<.1	1	.01	.003	15	15	<.01	9	<.01	<2	.28	<.01	.01	5	<.1	756	<.3	<.1	.9	11
54848	7.2	4.5	6.7	32.1	73	8	1	58	.40	15.7	<5	3	9	.05	4.8	<.1	2	.01	.005	18	9	<.01	76	<.01	<2	.28	<.01	.03	<2	<.1	1394	<.3	<.1	1.7	17
54849	3.3	4.3	7.4	36.8	103	9	1	56	.85	7.2	<5	4	10	.01	.7	<.1	5	.04	.006	20	8	.01	45	<.01	2	.27	<.01	.20	2	.1	45	<.3	<.1	1.2	32
54850	1.8	5.5	3.0	22.8	60	4	1	120	.61	4.2	<5	13	4	.05	.7	.3	4	.02	.003	25	12	.01	6	<.01	<2	.25	.05	.11	5	<.1	151	<.3	<.1	1.5	3
54851	3.7	5.7	7.4	3.2	1297	8	<1	72	.42	10.4	<5	3	10	<.01	1.8	<.1	2	<.01	.004	16	9	<.01	56	<.01	<2	.17	.01	.17	<2	.1	49	<.3	<.1	.8	79
54852	3.6	24.9	1.3	5.8	30	18	4	290	.99	4.8	<5	1	4	.01	.6	<.1	87	.01	.006	4	22	.02	24	.01	<2	.06	<.01	<.01	4	.1	22	.3	<.1	<.5	4
54853	3.7	19.8	1.2	12.7	31	18	11	2234	2.96	3.0	<5	<1	48	.85	1.2	<.1	200	1.61	.013	5	21	.12	19	<.01	<2	.05	.01	<.01	9	<.1	29	<.3	<.1	<.5	3
54854	4.7	17.8	1.4	80.9	<30	47	22	1758	7.37	9.1	<5	2	9	.12	.7	<.1	108	.05	.018	10	16	.10	100	<.01	<2	.37	<.01	.07	<2	.1	55	<.3	<.1	1.7	4
54855	5.7	21.1	.9	39.1	<30	32	10	498	3.16	4.0	<5	1	4	.09	.3	<.1	49	.02	.008	1	26	.06	24	<.01	<2	.15	<.01	.01	5	.1	13	<.3	<.1	.9	2
RE 54855	6.0	22.2	.9	40.6	<30	32	11	526	3.32	4.3	<5	1	4	.09	.2	<.1	51	.02	.009	1	28	.06	26	<.01	<2	.16	<.01	.01	5	.1	20	<.3	<.1	.9	2
RRE 54855	8.5	26.4	1.0	44.3	89	20	13	680	3.63	5.0	<5	1	5	.10	.3	.1	53	.02	.010	2	31	.06	35	<.01	<2	.16	<.01	.02	<2	.1	45	<.3	<.1	1.0	18
54856	1.0	106.1	1.6	42.1	34	176	41	471	9.01	3.9	<5	2	20	.13	.3	<.1	44	.03	.004	1	114	.36	190	.08	<2	2.28	.03	.09	3	<.1	22	<.3	<.1	7.1	5
54857	3.3	25.6	1.1	47.7	<30	28	11	630	1.79	2.2	<5	1	8	.02	.6	<.1	83	.09	.011	3	25	.26	45	.01	<2	.63	<.01	.07	<2	<.1	10	<.3	<.1	2.5	2
54858	2.9	4.8	2.9	70.0	<30	7	1	1573	3.15	1.9	<5	2	23	.11	<.2	<.1	30	.20	.070	21	8	.32	458	.12	<2	.43	.09	.38	2	.1	19	<.3	<.1	1.9	3
54859	2.5	3.8	3.3	39.9	45	10	3	156	.92	3.5	<5	3	10	.04	.7	<.1	8	.03	.009	17	9	.01	36	<.01	<2	.21	<.01	.12	<2	<.1	32	<.3	<.1	.8	3
54860	1.0	23.7	13.1	87.0	180	8	6	613	4.29	9.9	<5	1	75	.13	2.7	.2	73	3.35	.043	2	12	1.14	141	.18	<2	2.98	.38	.70	3	.2	31	<.3	<.1	9.3	12
54861	1.9	4.0	5.6	12.5	<30	7	<1	97	.44	1.0	<5	6	3	.08	.6	<.1	6	.02	.007	23	10	.01	19	.02	<2	.12	.05	.12	2	<.1	18	<.3	<.1	.6	1
54862	1.6	.9	.3	54.6	<30	14	<1	5711	39.24	.7	7	4	10	.02	<.2	<.1	21	.35	.048	4	1	.43	192	<.01	3	.06	<.01	.01	2	.1	197	<.3	<.1	<.5	3
54863	.5	2.7	4.0	236.1	<30	23	24	1174	5.50	1.0	<5	1	124	.78	.2	<.1	133	11.35	.005	1	7	1.03	1968	<.01	<2	.28	<.01	<.01	2	<.1	22	<.3	<.1	.6	1
54903	2.4	2.2	1.7	26.1	41	7	<1	54	.53	2.4	<5	4	13	.02	.5	<.1	4	.07	.006	23	8	.01	50	<.01	<2	.24	<.01	.19	<2	<.1	86	<.3	<.1	.7	4
54904	6.4	3.3	4.2	22.0	91	2	<1	37	.51	22.0	<5	4	15	.02	1.6	<.1	2	.11	.005	22	5	.02	63	<.01	<2	.23	<.01	.18	2	.1	31	<.3	<.1	1.4	29
RE 54904	6.6	3.2	4.6	22.7	105	1	1	37	.53	24.2	<5	4	15	.02	1.7	<.1	2	.12	.006	23	6	.02	61	<.01	<2	.24	<.01	.18	2	.1	32	<.3	<.1	1.5	26
RRE 54904	7.6	3.5	4.1	20.2	94	4	<1	34	.51	27.8	<5	4	14	.01	1.6	<.1	1	.06	.006	23	4	.01	34	<.01	<2	.25	<.01	.19	<2	.1	44	<.3	.1	1.5	23
54905	2.2	4.4	1.4	26.2	137	9	1	175	.83	4.3	<5	3	20	.04	.5	<.1	7	.03	.007	14	9	.01	96	<.01	<2	.20	<.01	.12	<2	<.1	23	<.3	<.1	.9	18
54951	1.9	3.5	.4	<1	<30	2	<1	112	.35	3.2	<5	<1	2	<.01	.4	<.1	1	.01	<.002	<1	13	<.01	16	<.01	<2	.03	<.01	.01	5	.1	9	<.3	<.1	<.5	1
54952	4.1	4.1	2.5	2.6	106	6	1	71	.36	3.5	<5	1	40	<.01	.2	.8	3	.01	.007	15	7	<.01	225	<.01	<2	.47	.02	.17	<2	<.1	<5	<.3	.3	1.7	1
54953	1.4	6.6	4.9	29.1	49	4	1	470	.57	2.3	<5	1	113	.28	.2	.1	13	7.03	.044	5	3	.26	60	.10	<2	2.34	.36	.07	2	.1	12	<.3	<.1	4.3	3
54954	1.5	12.0	1.0	60.2	<30	26	12	661	2.99	1.1	<5	1	11	.07	.9	.1	47	.14	.008	8	22	.33	53	.03	<2	.66	.01	.03	6	<.1	21	<.3	<.1	2.6	5
54955	15.7	5.9	4.9	2.0	1841	12	<1	95	4.31	281.6	<5	1	46	.02	12.1	.1	12	.03	.023	2	11	<.01	78	<.01	<2	.14	<.01	.13	<2	.2	46	3.4	.1	<.5	38
54956	1.7	12.8	.9	142.2	<30	48	17	2617	9.76	2.1	<5	3	15	.11	.4	.1	120	.13	.015	8	21	.54	107	.02	<2	1.20	.01	.07	2	.1	26	<.3	<.1	4.6	3
54957	1.5	13.4	.4	152.2	<30	77	39	3382	13.61	4.4	<5	2	5	.12	.5	.1	81	.02	.016	4	19	.14	38	<.01	<2	.24	<.01	<.01	4	.1	70	<.3	.1	.9	3
STANDARD	20.6	111.0	86.7	270.5	1899	28	14	910	4.31	69.6	16	21	58	2.21	9.1	20.1	68	.69	.092	17	50	1.14	234	.15	25	2.25	.05	.73	18	2.1	1888	1.0	2.2	6.8	483

Standard is STANDARD D/C/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
54958	1.7	3.9	1.9	3.8	131	7	4	114	.70	4.8	<5	3	22	.01	.3	.6	1	.04	.011	9	7	.01	678	<.01	4	.17	.04	.12	2	.1	27	.3	.2	<.5	13
54959	2.4	26.2	1.8	104.0	<30	46	29	2297	7.45	1.3	<5	2	22	.42	.2	<.1	121	.09	.017	14	15	.18	76	.01	3	.34	<.01	.02	<2	.1	29	<.3	<.1	1.1	3
54960	1.1	2.2	4.2	22.1	<30	4	2	269	.91	4.5	<5	8	23	.03	.4	.1	9	.06	.029	28	6	.04	58	.02	<2	.27	.03	.12	<2	.1	77	<.3	<.1	1.0	10
54961	3.7	3.6	4.2	6.5	108	6	2	384	.88	42.5	<5	2	32	.03	31.4	.1	6	.03	.014	10	8	.01	162	.01	<2	.16	.01	.10	2	2.9	153	<.3	.1	.8	34
54962	2.5	4.2	4.2	23.8	60	8	1	160	.48	10.0	<5	1	35	.05	1.9	<.1	7	.03	.017	6	8	.01	129	<.01	<2	.22	<.01	.01	<2	<.1	1804	<.3	<.1	<.5	1
54963	1.6	1.7	4.7	8.0	<30	4	1	114	.27	6.3	<5	8	4	.01	.2	.1	3	.01	.009	55	7	.02	23	.02	<2	.13	.05	.10	2	<.1	26	<.3	<.1	<.5	<1
54964	1.6	2.0	2.2	10.7	<30	6	1	91	.31	2.9	<5	5	4	.01	2.1	<.1	4	.02	.006	24	6	.01	21	.01	<2	.39	.06	.12	<2	.1	112	<.3	<.1	1.7	<1
54965	4.2	8.7	1.0	2.5	<30	15	2	117	.48	2.3	<5	<1	2	.01	.2	<.1	8	<.01	<.002	<1	13	<.01	7	<.01	<2	.02	<.01	.01	<2	.1	34	<.3	<.1	<.5	<1
54966	1.9	4.5	4.5	2.7	480	4	1	162	.54	66.5	<5	9	7	.02	3.5	<.1	1	.01	.005	31	12	<.01	25	<.01	<2	.13	.01	.17	5	.1	36	<.3	1.7	.6	3
54967	5.4	7.8	1.5	2.6	<30	13	1	136	.54	29.8	<5	1	1	.15	16.2	<.1	6	.01	<.002	1	16	<.01	9	<.01	2	.02	<.01	.02	3	.2	73	<.3	.1	<.5	1
54968	25.2	4.3	6.2	14.8	64	8	1	64	.54	31.6	<5	4	7	.01	3.2	<.1	3	.03	.006	20	7	.01	80	<.01	<2	.33	<.01	.07	<2	.3	579	<.3	<.1	1.6	13
54969	1.0	6.7	9.2	30.3	34	5	3	183	1.47	5.3	<5	2	34	.10	.4	.2	17	.65	.081	12	9	.07	394	.16	<2	.35	.05	.09	2	.2	20	<.3	<.1	1.4	1
54970	1.5	2.6	5.9	24.2	<30	2	2	53	2.29	48.7	<5	7	38	.02	7.8	.1	17	.32	.134	34	1	.12	95	.01	<2	.86	.03	.11	<2	.2	1593	<.3	<.1	2.9	2
RE 54970	1.6	2.9	6.2	25.4	<30	4	2	52	2.34	53.3	<5	8	39	.03	8.2	<.1	17	.33	.137	35	1	.11	91	.01	3	.82	.03	.11	<2	.2	1738	<.3	<.1	2.6	<1
RRE 54970	1.9	2.9	6.2	24.2	<30	4	2	53	2.61	50.1	<5	8	38	.02	7.9	<.1	16	.29	.132	34	1	.10	93	.01	<2	.72	.03	.10	<2	.2	1613	<.3	<.1	2.3	2
54971	1.4	3.3	9.2	49.2	<30	6	2	41	4.47	84.2	<5	9	42	.04	9.3	<.1	21	.25	.137	35	1	.11	121	.01	<2	.72	.03	.11	<2	.3	1847	<.3	<.1	2.7	2
54972	3.6	4.2	4.8	42.6	41	13	2	145	2.51	39.1	<5	4	17	.16	8.0	<.1	28	.19	.059	19	9	.06	202	.01	<2	.50	.02	.07	<2	.2	1315	<.3	<.1	2.1	2
54973	2.7	13.3	.8	34.2	<30	25	15	1335	6.58	4.5	<5	2	16	.15	3.7	<.1	62	.15	.009	2	8	.15	107	<.01	2	.10	.01	.02	<2	.1	118	<.3	<.1	<.5	2
54974	.6	5.6	6.0	20.6	<30	4	4	378	1.59	3.4	<5	5	6	.04	.5	<.1	23	.04	.014	29	6	.02	58	.02	<2	.18	.03	.09	<2	<.1	61	<.3	<.1	.9	<1
54975	63.2	4.9	14.3	7.2	<30	16	6	36	1.48	55.9	<5	3	10	.35	.7	<.1	5	.01	.007	8	7	<.01	69	.01	<2	.10	.05	.23	<2	3.6	58	<.3	<.1	.7	<1
54976	4.4	9.7	9.4	9.9	342	7	6	1395	2.31	18.7	<5	1	77	.11	1.4	.1	7	2.85	.050	9	5	.03	41	<.01	4	.25	.01	.18	<2	.4	543	<.3	<.1	<.5	2
54977	2.8	107.0	1.7	6.3	<30	10	6	143	.75	23.9	<5	<1	5	.04	2.3	.1	3	.08	<.002	<1	18	.02	60	<.01	<2	.03	<.01	.02	8	.3	203	<.3	<.1	<.5	<1
54978	3.9	4.9	5.3	10.6	<30	9	1	267	.54	6.0	<5	7	5	.09	.9	.1	3	.02	.009	34	10	.01	49	.01	<2	.20	.03	.20	<2	.3	367	<.3	<.1	.7	<1
54979	2.0	2.2	11.0	21.8	<30	5	1	283	.42	5.3	<5	15	5	.04	.3	.2	3	.07	.011	49	4	.02	72	.01	3	.18	.05	.11	<2	<.1	16	<.3	<.1	.9	<1
54980	.8	2.0	6.1	51.6	<30	3	2	461	.51	3.0	<5	16	3	.04	.3	.1	4	.03	.011	43	5	.01	18	.02	<2	.18	.04	.08	<2	<.1	9	<.3	<.1	.9	<1
54981	1.7	16.1	2.4	32.5	<30	6	1	311	1.83	2.9	<5	2	6	.06	.8	.5	16	.13	.024	12	7	.68	70	.10	<2	.88	.05	.37	2	.2	12	<.3	<.1	10.8	9
RE 54981	1.6	15.0	2.3	32.4	<30	6	1	320	1.86	2.6	<5	2	6	.06	.8	.5	16	.13	.024	11	7	.69	72	.11	<2	.90	.05	.38	<2	.2	5	<.3	<.1	9.3	7
RRE 54981	1.8	15.1	2.2	32.1	<30	6	1	288	1.81	2.5	<5	2	5	.06	.8	.6	16	.13	.024	11	6	.69	65	.10	2	.88	.06	.37	<2	.2	5	<.3	.1	9.6	11
54982	2.8	9.0	7.8	51.7	292	9	4	204	.93	10.4	<5	4	13	.05	2.0	<.1	5	.02	.006	21	10	.01	146	<.01	<2	.19	.01	.16	3	.1	50	<.3	<.1	<.5	4
54983	1.8	3.4	1.5	7.0	<30	7	<1	143	2.43	2.0	<5	1	3	.01	<.2	<.1	4	.14	.049	10	8	.02	16	.05	<2	.18	.09	.04	2	<.1	6	<.3	<.1	.5	1
54984	3.4	58.1	102.9	19.2	32746	11	1	103	.56	10.1	<5	2	3	.07	.6	.8	8	.03	.011	4	10	.02	27	<.01	<2	.11	<.01	.09	<2	.1	<5	.6	19.0	<.5	8
54985	1.5	2.2	.7	1.1	156	8	<1	87	.36	<.5	<5	<1	3	<.01	<.2	<.1	1	.02	<.002	<1	13	<.01	7	<.01	<2	.01	<.01	.01	6	<.1	<5	<.3	.1	<.5	<1
54986	1.3	2.4	1.2	5.0	71	6	1	104	.80	5.6	<5	5	14	.01	.2	<.1	3	.14	.017	11	6	.05	60	.02	<2	.48	.04	.17	<2	<.1	<5	<.3	.2	1.3	<1
54987	4.8	6.3	2.7	2.3	26621	8	1	96	.37	4.8	<5	1	3	<.01	.8	.1	2	.01	.002	3	9	.01	14	<.01	<2	.13	<.01	.04	<2	<.1	<5	.5	19.2	<.5	12
STANDARD	22.8	114.3	87.5	269.3	1964	27	14	909	4.28	67.5	17	21	59	2.10	9.5	19.9	69	.68	.093	17	51	1.14	240	.15	23	2.25	.05	.70	20	2.3	1968	.8	1.9	6.9	473

Standard is STANDARD D/C/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
54988	11.7	7.7	9.3	6.0	3233	3	<1	76	.71	27.7	<5	1	6	.07	3.7	.1	6	.03	.004	12	11	.01	39	<.01	2	.16	<.01	.09	5	.2	30	<.3	.5	.5	293
54989	79.8	4.8	10.0	105.6	264	14	7	520	1.21	36.6	<5	3	12	.09	5.9	<.1	4	.04	.003	21	7	.01	120	<.01	<2	.40	<.01	.08	2	.7	1892	<.3	<.1	2.0	23
54990	3.5	29.0	8.8	62.0	333	23	10	619	3.14	5.4	<5	1	16	.09	.2	.1	65	1.24	.064	11	29	1.31	53	.21	3	2.12	.05	.08	<2	.1	25	<.3	.4	11.5	6
54991	1.8	3.7	2.3	7.1	37	5	<1	90	.34	2.4	<5	9	3	.03	.2	.1	1	.02	.002	22	11	.02	14	.01	<2	.13	.04	.12	4	.1	18	<.3	.1	<.5	4
54992	3.5	36.0	4.9	65.3	114	15	20	1125	4.83	4.7	<5	1	104	.08	.2	<.1	59	1.85	.060	3	16	1.92	35	.10	<2	3.27	.31	.07	2	.1	26	<.3	.1	7.1	4
RE 54992	3.6	40.0	5.6	67.3	141	17	20	1161	4.98	5.5	<5	1	109	.09	.3	.1	61	1.92	.063	3	16	1.99	39	.11	<2	3.41	.33	.07	<2	.1	27	<.3	.1	8.0	3
RRE 54992	3.0	37.7	5.1	64.8	139	16	20	1139	4.84	4.6	<5	1	100	.09	<.2	<.1	60	1.85	.062	3	15	1.96	43	.09	<2	3.25	.30	.07	<2	.1	10	<.3	.1	7.2	4

Sample type: ROCK. 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

GEOCHEMICAL EXTRACTION ANALYSIS CERTIFICATE

Phelps Dodge Corp. PROJECT 248 File # 95-2422

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
52474	.6	7.6	15.8	85.5	<30	1	2	197	1.24	2.4	<5	6	55	.11	<.2	.3	8	.24	.031	29	2	.20	241	.01	<2	.97	.02	.43	<2	.2	10	.5	<.1	5.0	<1
52475	4.1	24.1	3.3	50.1	<30	33	21	234	4.13	499.5	<5	4	73	.06	4.6	<.1	87	.76	.241	30	71	.23	147	.16	5	1.49	.09	.17	<2	.1	370	.3	<.1	4.3	<1
RE 52475	3.8	21.9	2.9	48.1	<30	30	21	219	3.94	472.8	<5	4	71	.05	4.1	<.1	85	.73	.225	29	71	.23	141	.16	2	1.46	.09	.17	<2	.1	333	<.3	<.1	4.0	<1

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 20 1995 DATE REPORT MAILED: July 31/95 SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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

GEOCHEMICAL EXTRACTION & ANALYSIS CERTIFICATE

Phelps Dodge Corp. PROJECT 248 File # 95-2932

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
54348	5.1	5.1	7.8	23.1	<30	6	1	138	.48	44.8	<5	11	6	.04	2.1	<.1	1	.06	.003	33	8	.02	14	<.01	<2	.30	.03	.16	9	<.1	85	<.3	<.1	2.0	2
54349	3.4	3.6	4.7	24.6	30	6	<1	212	.59	49.8	<5	11	5	<.01	.9	<.1	1	.04	.004	44	8	.01	6	.01	<2	.25	.05	.14	8	<.1	58	<.3	.1	1.3	1
54350	.4	68.9	3.3	49.0	290	<1	12	1108	1.82	4.3	<5	2	41	.09	2.8	<.1	40	3.61	.052	4	2	.78	160	<.01	2	.58	.01	.15	2	<.1	149	.3	.2	1.5	<1
54351	.7	14.1	2.1	50.1	30	3	8	804	2.82	4.3	<5	1	40	.07	.3	<.1	56	3.18	.059	10	5	.17	179	.01	2	.67	.04	.15	2	<.1	15	<.3	.1	2.3	<1
54352	4.8	7.9	.6	22.8	12087	11	1	184	.55	14.1	<5	<1	4	.01	1.1	<.1	2	.05	.002	1	13	.01	22	<.01	<2	.04	.01	.01	<2	<.1	456	1.9	.2	<.5	1419
54353	.6	28.9	4.0	72.4	297	3	21	507	3.33	109.7	<5	2	12	.03	5.8	<.1	77	.20	.051	3	5	.05	477	<.01	2	.66	<.01	.09	<2	.1	191	<.3	.1	1.1	15
54354	2.5	10.7	9.7	55.5	35	11	5	643	1.64	4.6	<5	16	14	.06	<.2	<.1	26	.50	.031	29	18	.28	24	.05	2	.95	.08	.17	6	.1	<5	<.3	.2	6.9	3
54355	1.1	12.8	6.9	95.9	99	1	8	1049	3.67	2.5	<5	2	21	.23	1.5	.1	51	1.29	.062	11	3	.25	152	.01	3	.86	.03	.17	3	<.1	121	<.3	.3	2.9	3
RE 54355	1.0	10.5	5.4	99.2	64	1	9	1088	3.80	1.8	<5	1	22	.20	1.1	<.1	52	1.34	.063	11	3	.26	160	.01	<2	.88	.03	.18	3	<.1	129	<.3	<.1	1.6	2
RRE 54355	1.0	11.2	5.2	100.2	81	<1	8	1093	3.80	2.1	<5	1	21	.21	1.3	<.1	53	1.35	.064	11	3	.26	161	.01	3	.88	.03	.17	2	<.1	129	.3	.1	2.5	1
54356	9.9	126.2	3.8	63.5	138	<1	7	379	3.75	3.4	<5	2	16	.09	<.2	.1	37	.62	.063	10	2	1.06	84	.01	<2	2.34	.04	.17	3	<.1	64	.8	<.1	9.3	5
54357	2.9	12.0	4.2	71.3	94	5	5	2359	3.55	45.2	<5	1	76	.50	1.3	.1	20	7.20	.012	8	7	1.41	307	<.01	<2	.31	.01	.06	3	.1	402	<.3	.1	<.5	<1
54358	1.6	34.5	3.3	104.8	172	6	12	2543	4.56	7.0	<5	2	107	.36	.4	.1	30	7.69	.030	12	4	1.45	1244	.01	<2	.80	.01	.16	3	<.1	182	<.3	.3	.9	<1
54359	11.7	5098.5	6.3	72.7	6089	3	50	935	5.66	91.3	<5	1	15	.51	4.0	4.2	34	.96	.054	5	5	.09	272	.01	2	1.03	.01	.31	2	<.1	1042	<.3	2.4	<.5	295
54360	4.0	127.7	4.3	66.2	1114	3	11	1744	3.14	19.1	<5	1	58	.34	2.1	2.1	33	4.73	.043	12	4	.62	369	<.01	3	1.21	.02	.28	3	.3	694	.4	2.8	1.4	15
54361	1.7	29.1	3.0	67.9	266	3	6	1347	2.98	41.5	<5	1	25	.23	.5	.2	26	2.67	.051	7	4	.25	182	.01	7	1.12	.02	.34	2	.2	300	<.3	.2	1.0	1
54413	6.3	7.3	7.7	88.8	91	18	10	1240	1.86	38.4	<5	5	28	.08	2.3	.2	9	.12	.016	27	7	.03	91	<.01	2	.36	<.01	.10	6	.1	717	<.3	.1	1.9	<1
54414	15.1	7.3	8.0	49.7	217	9	2	83	.62	44.4	<5	3	10	.04	11.6	<.1	3	.06	.005	20	9	.01	84	<.01	2	.35	<.01	.06	6	.2	2371	<.3	.2	1.2	19
54415	5.0	4.4	7.1	103.1	40	52	23	3168	10.82	71.7	<5	4	15	.10	2.8	.1	34	.03	.024	14	5	.04	73	<.01	<2	.56	<.01	.02	4	<.1	470	<.3	<.1	2.9	1
RE 54415	4.3	3.2	6.0	101.7	62	51	22	3163	10.82	59.1	5	4	15	.09	2.4	<.1	35	.03	.024	14	5	.04	72	<.01	5	.57	<.01	.02	4	.1	442	<.3	.2	2.9	1
RRE 54415	4.5	3.5	5.9	102.6	41	50	22	3173	10.83	63.9	<5	4	15	.09	2.5	.1	34	.02	.023	14	5	.04	70	<.01	5	.53	<.01	.02	4	<.1	427	<.3	<.1	2.2	1
54416	17.1	4.2	8.9	39.9	89	12	4	450	1.58	36.9	<5	4	8	.04	4.3	.1	7	.02	.006	19	8	.01	97	<.01	2	.38	<.01	.04	5	.1	715	<.3	<.1	1.4	8
54417	2.9	5.1	5.7	59.1	58	8	1	72	.90	33.3	<5	4	5	.16	8.5	<.1	6	.01	.009	20	9	<.01	49	<.01	2	.40	<.01	.03	6	<.1	4608	<.3	<.1	1.2	1
54418	3.8	3.9	3.6	50.2	51	11	2	145	.96	20.0	<5	3	8	.05	4.9	<.1	4	.03	.012	19	11	.01	33	<.01	<2	.34	<.01	.06	7	<.1	1776	<.3	.2	1.4	1
54419	4.0	7.5	3.3	59.0	74	16	2	396	1.53	23.3	7	3	8	.12	4.6	.2	6	.01	.006	15	8	.01	57	<.01	2	.33	<.01	.01	4	<.1	2265	<.3	.2	1.3	<1
STANDARD D/AU-R	24.4	122.9	91.2	257.2	1985	27	13	1003	4.00	80.1	18	20	55	2.33	9.2	19.8	65	.66	.091	17	49	1.12	223	.13	27	2.29	.05	.75	18	1.9	439	.8	1.9	7.4	542

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

DATE RECEIVED: AUG 16 1995 DATE REPORT MAILED: Aug 22/95 SIGNED BY. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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

GEOCHEMICAL EXTRACTION ANALYSIS CERTIFICATE

Phelps Dodge Corp. PROJECT 256 File # 95-2855 Page 1

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
53475	2.8	81.1	26.3	111.0	435	6	4	682	9.38	21.3	<5	1	9	.20	5.5	<.1	30	.17	.103	13	4	.31	120	<.01	<2	1.32	<.01	.31	12	.1	100	<.3	<.1	4.0	2
53476	5.0	72.5	37.8	103.2	760	9	4	1651	5.90	40.1	<5	1	7	.35	3.4	<.1	11	.05	.068	24	7	.04	265	<.01	2	.60	<.01	.26	7	.3	71	<.3	<.1	1.5	2
53477	19.8	34.5	74.7	103.5	3894	11	1	99	2.46	31.5	<5	2	7	.81	8.1	.3	4	.01	.016	4	13	.01	213	<.01	2	.22	<.01	.26	5	.2	100	<.3	.2	.5	24
53478	178.7	103.1	50.7	652.0	1305	9	<1	214	19.77	212.4	<5	2	6	2.24	24.4	.2	5	.01	.279	5	7	.01	202	<.01	<2	.23	<.01	.16	16	1.2	129	<.3	2.0	4.3	18
53479	14.6	534.8	88.4	119.5	5649	13	23	702	8.12	25.1	<5	<1	7	1.23	8.2	1.0	64	.05	.041	3	17	.29	22	.01	<2	1.08	<.01	.26	4	<.1	52	2.8	1.1	5.5	33
53480	6.8	49.7	32.3	37.1	478	8	<1	64	2.34	58.3	<5	1	3	.16	4.3	.1	4	.01	.009	7	10	.01	52	<.01	<2	.27	<.01	.19	3	.1	52	<.3	<.1	1.8	7
53481	4.0	22.9	21.3	40.9	461	8	<1	171	4.21	14.5	<5	3	3	.13	2.2	<.1	10	.01	.022	9	10	.02	69	.02	<2	.34	<.01	.21	6	.1	23	<.3	.2	2.4	5
53482	3.6	18.0	21.6	41.1	712	7	<1	112	1.94	12.2	<5	2	2	.11	1.5	.2	5	<.01	.011	7	9	.01	56	.01	<2	.29	<.01	.23	3	.2	18	<.3	.3	1.7	6
53483	11.5	21.7	24.6	32.7	670	9	<1	88	1.71	50.9	<5	3	2	.14	2.5	.2	4	.01	.006	5	11	.01	55	<.01	<2	.34	<.01	.20	4	.2	72	<.3	.1	2.1	20
53484	6.2	66.2	45.7	74.9	804	7	<1	935	2.65	9.2	<5	2	4	.18	3.7	.1	4	.01	.016	6	10	.01	316	.01	<2	.30	.01	.24	20	<.1	38	<.3	<.1	1.2	9
RE 53484	5.5	59.5	43.0	75.4	754	8	<1	932	2.66	7.7	<5	2	4	.16	3.5	<.1	5	.01	.015	6	10	.01	316	.01	<2	.30	<.01	.25	21	.4	32	<.3	.1	2.0	5
RRE 53484	5.2	61.5	46.3	76.4	911	5	<1	1072	2.73	7.2	<5	2	4	.17	2.9	.1	4	.01	.016	6	7	.01	373	.01	<2	.26	<.01	.21	17	.1	32	<.3	.1	1.6	9
53485	120.8	888.0	415.8	62.9	50015	12	3	135	8.67	74.8	<5	1	28	.62	8.6	10.8	17	.01	.081	11	13	.01	441	<.01	<2	.29	<.01	.13	18	1.1	270	1.1	2.7	1.9	264
53486	5.1	75.3	93.1	11.9	7367	8	<1	78	.90	18.6	<5	2	4	.07	15.9	4.1	4	.01	.009	14	12	.01	56	<.01	<2	.17	<.01	.14	4	.3	42	1.1	.7	1.3	206
53487	4.4	6.3	7.7	14.2	254	10	<1	67	.36	3.6	<5	4	5	.05	.8	.2	1	.02	.003	7	12	.01	600	<.01	<2	.23	<.01	.16	3	.1	36	.3	<.1	.6	12
53488	4.7	8.5	10.1	16.7	498	4	<1	77	.24	5.1	<5	3	5	.02	.9	<.1	1	.03	.005	19	5	.03	583	<.01	4	.42	<.01	.30	<2	.1	20	<.3	.1	1.3	14
53489	34.2	58.4	15.9	15.9	9412	14	1	88	1.12	5.6	<5	1	4	.15	6.9	1.7	2	.01	.002	2	19	<.01	116	<.01	2	.14	<.01	.11	5	.2	55	.5	3.8	.8	5120
53490	17.8	71.5	71.8	5.5	761	8	<1	69	.55	3.6	<5	3	25	.04	.6	.3	4	.01	.009	7	10	.01	324	<.01	<2	.22	<.01	.20	2	.2	23	<.3	.2	1.1	100
53491	211.1	140.0	12.6	17.0	5898	10	2	97	1.91	20.7	<5	1	13	.06	1.0	1.8	7	.01	.006	5	11	.02	1917	<.01	3	.44	<.01	.27	4	1.6	90	1.0	2.7	3.2	43
53492	12.9	20.2	30.8	13.4	805	11	<1	96	1.76	4.4	<5	1	26	.14	5.1	.6	5	.01	.012	36	14	<.01	594	<.01	<2	.14	<.01	.14	13	.2	23	.4	.4	.9	42
53493	4.5	15.0	20.3	8.3	1325	11	1	155	.98	3.9	<5	1	27	.03	6.5	.4	3	.01	.010	14	12	<.01	1723	<.01	<2	.18	<.01	.17	5	<.1	24	<.3	.1	1.1	26
53494	5.8	16.9	22.0	22.5	2464	12	<1	103	.67	2.4	<5	1	8	.13	1.1	.1	4	.01	.006	5	14	.01	277	<.01	<2	.21	<.01	.16	4	.1	128	<.3	.2	.6	11
53495	7.3	9.9	11.0	5.3	209	6	<1	95	.58	.9	<5	2	5	<.01	.5	.2	1	.01	.006	13	9	<.01	71	<.01	<2	.18	<.01	.22	3	.3	17	<.3	.2	.9	5
53496	4.3	12.3	22.2	5.2	993	9	4	80	.63	11.8	<5	3	6	.01	.3	.4	1	.01	.002	5	10	<.01	150	<.01	<2	.18	<.01	.22	3	<.1	10	<.3	.3	.5	16
53497	10.1	29.1	33.7	49.6	1902	12	3	106	4.37	8.2	<5	1	6	.33	3.6	.9	11	.01	.003	5	13	.01	99	.01	<2	.10	<.01	.08	16	.2	62	1.2	.8	.9	24
53498	2.0	4.3	9.1	230.0	55	22	21	2504	4.50	6.4	<5	1	62	.06	2.3	.2	141	2.59	.082	17	22	1.31	57	.04	<2	1.30	.03	.24	<2	<.1	21	.3	.1	6.9	8
53499	1.9	21.1	9.9	162.7	56	12	11	3579	6.38	25.4	<5	2	11	.05	2.5	.2	121	.52	.084	27	19	.34	69	.06	<2	1.10	.04	.22	3	.1	30	<.3	<.1	2.8	7
53500	4.7	37.4	20.4	11.6	2555	11	1	128	1.76	130.7	<5	1	13	.01	14.4	.6	9	.02	.010	8	15	.01	489	<.01	<2	.17	<.01	.16	16	.3	35	.3	.1	<.5	9
RE 53500	5.0	36.9	20.0	11.8	2523	10	1	120	1.77	130.9	<5	1	13	.02	14.4	.6	8	.02	.010	8	15	.01	490	<.01	<2	.17	<.01	.16	16	.3	37	<.3	.2	<.5	14
RRE 53500	5.4	34.9	22.0	12.2	2581	12	1	94	1.87	143.7	<5	2	15	.01	17.0	.6	10	.03	.011	9	16	.01	528	<.01	2	.21	<.01	.18	17	.4	27	<.3	.3	.6	12
54067	2.5	37.6	3.0	14.0	316	4	1	74	1.84	32.1	<5	1	14	.02	.9	.2	6	.04	.034	17	5	.02	269	<.01	<2	.41	<.01	.30	2	.1	12	.3	.1	1.0	7
54068	4.8	21.5	6.7	5.9	420	9	1	63	1.59	43.4	<5	1	15	<.01	5.0	.1	5	.03	.014	6	11	.02	168	<.01	<2	.37	.01	.31	3	.3	47	<.3	.4	1.6	10
54069	4.4	55.8	15.3	18.4	865	11	<1	118	2.17	18.2	<5	1	2	.02	2.9	.7	18	.01	.004	2	14	.01	33	<.01	<2	.12	<.01	.06	9	.1	34	<.3	.3	1.4	27
54070	9.9	65.1	119.2	48.4	1080	10	3	361	7.10	53.6	<5	7	2	.12	2.7	.3	43	<.01	.005	5	10	.12	31	<.01	<2	.61	<.01	.18	3	.2	72	.4	.5	5.5	29
STANDARD D/AU-R	22.1	111.4	81.4	251.8	1669	28	12	875	3.96	82.8	18	18	50	2.29	10.0	22.8	67	.61	.084	17	51	1.04	194	.13	23	2.24	.05	.69	23	2.2	450	.7	2.0	6.6	541

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
54071	5.1	20.6	13.5	32.3	192	10	3	351	3.53	12.8	<5	1	7	.03	4.5	.5	26	.01	.002	4	13	.07	31	<.01	5	.33	<.01	.05	15	.2	38	<.3	.2	1.5	23
54072	5.0	65.2	10.4	23.4	561	11	4	244	1.79	10.1	<5	2	14	.01	1.5	.3	14	.04	.012	5	12	.15	714	<.01	4	.50	<.01	.21	2	.1	26	.5	.4	1.9	8
54073	2.9	43.9	12.1	53.9	302	7	1	218	3.19	3.3	<5	2	9	.21	1.3	.3	5	.01	.009	5	8	.06	151	.01	4	.39	<.01	.19	3	<.1	10	<.3	.2	3.5	5
54074	12.1	55.2	83.5	99.0	601	8	2	73	2.87	6.5	<5	2	9	.21	1.7	.6	2	.01	.016	14	8	.01	153	<.01	5	.25	<.01	.21	4	.3	41	<.3	.3	.6	6
54075	21.2	67.5	43.3	11.5	8872	9	1	90	1.56	31.4	<5	2	15	.03	3.5	.7	5	.01	.011	9	9	.01	153	<.01	4	.21	<.01	.19	3	.3	66	.9	.4	1.0	36
54076	6.0	18.4	7.7	16.6	476	5	<1	101	1.62	46.6	<5	2	14	.15	1.6	.6	12	.02	.038	18	7	.02	432	<.01	5	.30	<.01	.30	<2	.4	13	<.3	.3	1.0	4
54077	190.6	47.5	77.4	8.6	6304	13	2	96	1.49	21.7	<5	1	8	.19	6.8	4.2	1	.03	.002	2	15	<.01	52	<.01	5	.09	<.01	.14	4	1.6	8	.4	3.4	1.0	1241
54078	29.5	23.5	11.4	5.1	28060	12	1	88	.84	4.1	<5	1	14	<.01	3.2	3.7	2	.01	.004	4	14	.01	549	<.01	5	.18	<.01	.19	3	.4	76	.7	9.7	.7	3540
54079	34.2	24.8	16.6	3.6	6955	9	<1	65	.69	6.0	<5	1	15	<.01	3.6	1.9	2	.01	.007	5	11	<.01	189	<.01	4	.17	<.01	.18	3	.2	25	<.3	5.7	.6	2300
54080	66.8	38.2	19.0	4.1	6463	12	<1	67	1.46	10.3	<5	2	12	.03	14.6	3.2	3	.01	.006	4	14	<.01	100	<.01	4	.13	<.01	.19	4	.4	26	.9	4.5	.6	857
54081	60.1	108.8	18.3	8.5	6277	12	<1	83	1.00	23.6	<5	1	10	.11	30.2	2.9	3	.01	.004	4	14	<.01	224	<.01	4	.14	<.01	.16	3	.5	95	.3	2.6	.8	497
54082	3.3	15.2	5.7	4.3	240	6	<1	87	1.29	1.8	<5	3	7	<.01	1.0	.2	2	.01	.008	5	7	.01	389	<.01	5	.32	<.01	.32	2	<.1	14	<.3	<.1	<.5	35
54083	3.3	12.5	9.7	5.6	82	6	<1	147	1.78	1.5	<5	4	5	.03	.6	.2	8	.02	.027	8	8	.01	82	.02	5	.25	<.01	.25	3	.1	8	<.3	<.1	.5	10
54084	19.6	32.6	11.3	3.1	9492	12	<1	79	.61	3.4	<5	1	6	.01	2.4	1.0	1	<.01	.003	3	16	<.01	168	<.01	3	.09	<.01	.10	4	.1	23	.3	1.6	<.5	9560
RE 54084	16.0	27.4	9.6	2.6	8366	10	<1	79	.59	2.4	<5	<1	6	<.01	2.0	1.1	1	<.01	.003	3	15	<.01	161	<.01	3	.08	<.01	.10	4	.2	25	.5	1.3	<.5	9760
RRE 54084	17.7	29.8	11.3	2.0	8544	10	<1	121	.66	2.9	<5	1	6	<.01	2.3	1.2	1	<.01	.004	4	14	<.01	184	<.01	3	.09	<.01	.11	4	.1	38	.4	1.6	<.5	9020
54085	24.3	78.5	4.0	4.0	1031	8	1	48	.96	13.3	<5	2	11	.02	.4	.7	1	.02	.004	5	9	.02	1792	<.01	3	.34	<.01	.27	<2	.3	13	.8	.5	1.1	89
54086	6.9	41.0	3.7	8.5	843	9	1	76	.98	2.2	<5	2	9	.04	.5	.3	4	.01	.008	7	12	.01	1449	<.01	2	.20	<.01	.19	2	.2	14	<.3	.2	<.5	81
54087	4.2	11.1	20.9	11.6	385	7	<1	56	.64	2.5	<5	1	12	.03	1.8	.4	3	.01	.010	15	9	<.01	282	<.01	2	.19	<.01	.20	3	<.1	8	<.3	.1	<.5	49
54088	5.8	58.1	24.2	10.9	2510	8	1	56	.79	3.8	<5	1	17	.07	4.4	.1	2	.01	.012	5	12	.01	1465	<.01	2	.22	<.01	.16	2	.2	37	.7	<.1	<.5	9
54089	5.1	37.6	15.8	8.8	2058	9	<1	50	.68	3.7	<5	1	24	.05	.7	.1	2	.01	.007	4	12	<.01	957	<.01	3	.25	<.01	.20	2	<.1	<5	<.3	<.1	<.5	11
54090	11.7	13.6	27.7	10.0	1278	9	<1	111	5.33	70.6	<5	1	14	.04	97.4	.4	20	<.01	.002	2	14	<.01	731	<.01	2	.04	<.01	.02	48	.2	77	<.3	<.1	<.5	7
54091	5.1	23.3	3.2	9.8	318	6	<1	103	1.49	4.1	<5	3	7	.03	1.7	.2	3	<.01	.016	23	9	<.01	124	.01	<2	.18	<.01	.22	2	.1	8	<.3	<.1	<.5	3
54092	5.1	7.8	9.2	11.2	451	5	3	222	1.14	9.4	<5	2	6	.06	1.3	.3	3	.01	.011	6	8	<.01	128	<.01	<2	.22	<.01	.25	2	<.1	12	.3	.1	<.5	3
RE 54092	4.8	6.6	8.6	9.5	435	6	3	231	1.19	9.2	<5	3	6	.06	1.0	.3	4	.01	.011	7	8	<.01	135	<.01	<2	.23	<.01	.26	2	<.1	5	<.3	.3	<.5	2
RRE 54092	4.8	6.9	9.7	13.4	429	5	3	224	1.20	8.1	<5	2	5	.07	.9	.4	4	.01	.011	7	7	<.01	109	.01	<2	.21	<.01	.23	2	<.1	10	<.3	.1	<.5	7
54093	4.0	20.4	10.1	5.7	247	8	<1	91	1.11	3.2	<5	2	7	.05	1.0	.4	2	<.01	.004	18	12	<.01	374	.01	<2	.17	<.01	.22	2	.1	<5	<.3	.1	<.5	9
54094	10.8	2.1	8.3	50.8	<30	7	2	2328	16.09	4.5	<5	1	17	.08	3.2	.4	163	.82	.028	4	6	.14	120	.03	<2	.55	<.01	.17	23	.1	39	<.3	.2	.8	14
54095	6.9	4.3	4.4	77.4	<30	10	7	2014	10.59	5.6	<5	1	36	.05	2.2	.2	118	1.99	.048	18	12	.27	62	.05	<2	.73	.01	.25	3	.1	9	<.3	<.1	2.3	1
54096	.7	1.5	4.2	298.5	63	63	18	4442	7.79	11.2	<5	<1	115	.05	1.8	.4	133	4.89	.055	6	124	2.60	29	.04	<2	2.43	.01	.18	<2	<.1	10	<.3	.1	8.9	5
54097	1.7	57.2	4.8	90.3	<30	17	17	602	4.65	2.1	<5	2	127	.08	<.2	.1	151	1.54	.139	10	20	1.68	65	.16	2	2.43	.21	.14	<2	<.1	<5	<.3	<.1	9.8	3
54098	2.3	7.6	4.1	8.7	<30	5	1	110	1.46	1.4	<5	3	6	.02	<.2	.3	5	.04	.010	16	6	.03	90	.01	2	.23	.01	.25	2	<.1	<5	<.3	<.1	<.5	2
54099	2.9	8.0	3.2	6.9	94	7	1	112	.96	1.8	<5	3	9	.02	<.2	.2	3	.05	.004	9	9	.04	157	<.01	2	.23	.01	.29	<2	<.1	<5	<.3	<.1	<.5	2
54100	48.1	13.6	4.6	8.2	566	13	2	152	.73	7.6	5	1	16	.05	1.2	.3	7	.09	.018	8	15	.04	100	<.01	2	.25	.01	.16	2	.3	19	<.3	.3	<.5	4
STANDARD	23.0	118.4	90.4	250.9	1856	28	12	1014	3.86	76.3	17	18	55	2.25	9.9	20.7	61	.63	.090	17	45	1.10	211	.13	25	1.99	.05	.73	18	1.9	448	.8	2.1	7.3	540

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
54337	1.1	.8	4.5	130.8	<30	17	17	1719	3.35	4.7	<5	1	74	.04	1.1	<.1	97	1.85	.072	10	33	2.28	31	.05	<2	1.50	.03	.10	<2	<.1	28	<.3	<.1	7.1	4
54338	3.9	5.4	6.0	5.8	120	7	<1	72	.89	1.8	<5	2	5	.02	.4	.1	2	.02	.003	9	9	.02	95	<.01	<2	.21	<.01	.23	2	.2	<5	<.3	<.1	.8	3
54339	15.3	13.5	45.5	24.1	1293	6	<1	54	.56	2.3	<5	2	6	.18	1.5	.2	2	.02	.004	8	8	.02	147	<.01	<2	.24	<.01	.21	<2	.4	19	.5	.3	.8	4
54340	4.0	6.0	4.9	5.4	517	7	1	80	1.04	12.6	<5	2	16	.04	2.0	<.1	5	.06	.016	12	10	.02	297	<.01	<2	.26	<.01	.19	2	.2	52	<.3	<.1	.7	65
54341	3.3	37.9	6.5	10.8	481	7	4	58	.59	14.4	<5	3	13	.13	.9	<.1	2	.08	.023	22	9	.01	292	<.01	<2	.34	<.01	.24	2	.2	26	<.3	<.1	.7	7
54342	6.3	44.0	18.1	31.6	2698	12	7	379	2.39	11.4	<5	1	14	.15	16.9	3.3	14	.06	.012	9	16	.03	850	<.01	2	.35	<.01	.15	11	.3	339	<.3	2.7	1.3	79
54343	2.2	9.2	4.6	169.3	182	19	23	1132	2.01	9.3	<5	1	13	.16	2.1	<.1	12	.07	.008	12	5	.13	713	<.01	<2	.70	<.01	.20	5	.1	64	<.3	<.1	1.2	7
54344	4.6	13.2	6.7	37.9	831	9	6	458	1.81	10.2	<5	1	16	.15	1.8	.1	13	.15	.045	14	8	.06	75	<.01	<2	.73	<.01	.27	2	.3	33	<.3	<.1	1.7	132
RE 54344	5.2	13.9	7.2	38.6	878	9	6	471	1.84	10.0	<5	1	17	.18	2.0	<.1	13	.16	.047	13	9	.06	72	<.01	<2	.71	<.01	.26	3	.4	39	<.3	<.1	1.1	164
RRE 54344	4.8	12.8	7.5	32.7	865	9	5	397	1.62	9.3	<5	1	16	.15	2.0	.1	12	.15	.044	14	8	.05	68	<.01	2	.68	<.01	.26	2	.2	38	<.3	<.1	1.3	199
54345	2.5	3.4	5.1	11.9	296	4	1	120	1.88	7.5	<5	2	11	.01	.8	<.1	20	.11	.039	22	8	.03	55	<.01	2	.40	<.01	.25	2	.3	21	<.3	<.1	.7	13
54346	4.3	10.3	8.8	12.7	77	8	1	121	1.65	3.8	<5	1	7	.02	5.8	<.1	7	.04	.017	19	10	.01	400	<.01	2	.30	<.01	.20	5	.2	6	<.3	<.1	.8	5
54347	3.7	12.9	16.7	16.3	175	6	1	213	1.99	5.9	<5	1	9	.03	8.0	<.1	11	.02	.006	14	8	.02	940	<.01	3	.34	<.01	.20	7	.3	7	<.3	.1	1.2	74
54401	172.2	10.9	96.7	41.3	3034	16	4	289	2.22	100.5	<5	<1	15	.38	16.9	<.1	11	.05	.006	4	12	.02	100	<.01	2	.26	<.01	.15	2	1.4	79	.7	1.6	1.6	58
54402	24.8	5.5	18.5	6.3	849	8	3	69	.67	32.7	<5	1	10	.04	5.3	.1	4	.06	.020	10	10	.02	177	<.01	<2	.29	<.01	.17	2	.8	132	<.3	<.1	<.5	24
54403	8.0	3.5	10.7	7.6	504	4	<1	54	.63	15.7	<5	1	11	.02	2.1	.1	4	.06	.017	19	6	.03	116	<.01	<2	.40	<.01	.27	<2	.3	73	<.3	<.1	.7	32
54404	3.3	5.1	6.9	12.4	606	3	2	58	1.54	9.5	<5	1	18	.03	1.5	.1	10	.07	.024	9	7	.02	115	<.01	2	.32	<.01	.21	<2	.1	40	<.3	<.1	.8	29
54405	3.2	16.1	3.8	21.2	473	7	6	321	1.69	15.3	<5	3	24	.09	1.4	<.1	8	.09	.027	18	8	.03	459	<.01	<2	.47	<.01	.24	<2	.3	65	<.3	<.1	.8	9
RE 54405	3.0	14.8	3.3	17.5	426	6	5	276	1.41	13.3	<5	3	20	.09	1.3	<.1	7	.08	.023	15	7	.03	327	<.01	<2	.39	<.01	.19	<2	.2	55	<.3	<.1	.7	9
RRE 54405	3.1	15.9	4.1	18.0	518	6	5	300	1.51	13.0	<5	3	22	.11	1.6	<.1	7	.09	.025	15	7	.03	380	<.01	<2	.42	<.01	.22	<2	.2	50	<.3	.3	1.3	7
54406	2.8	26.7	11.3	11.0	855	4	3	67	.64	16.0	<5	2	15	.05	.6	.1	2	.07	.021	9	6	.01	501	<.01	<2	.27	<.01	.21	<2	.4	26	.9	<.1	.9	9
54407	3.2	4.7	6.4	10.1	228	5	2	136	2.32	7.5	<5	2	10	.01	1.7	.1	25	.14	.037	10	11	.02	200	<.01	<2	.44	<.01	.22	2	.3	16	<.3	<.1	.9	6
54408	2.2	3.6	5.3	11.8	823	6	4	156	2.21	5.7	<5	1	7	.05	1.1	<.1	17	.14	.038	9	9	.02	62	<.01	2	.48	<.01	.27	2	.3	31	<.3	<.1	.8	935
54409	5.8	85.5	17.2	30.5	1684	10	7	524	2.55	13.0	<5	1	14	.13	23.0	5.7	18	.04	.007	8	18	.03	884	<.01	2	.30	<.01	.12	17	.2	714	<.3	5.0	<.5	34
54410	2.1	4.8	3.4	41.1	<30	5	4	581	1.28	4.7	<5	1	10	.03	<.2	.1	3	.03	.025	20	5	.08	477	<.01	2	.58	<.01	.25	<2	.2	<5	<.3	.2	.8	6
54411	39.5	20.1	30.8	3.5	8566	9	1	126	2.28	7.3	<5	<1	12	.02	6.5	10.5	14	.02	.007	7	12	.01	262	<.01	2	.19	<.01	.13	11	.5	11	.5	3.8	<.5	37
54412	15.1	12.7	12.9	8.5	5505	6	<1	136	6.11	5.2	<5	1	11	.02	10.6	5.5	39	.01	.005	21	7	.01	852	.01	4	.23	<.01	.14	25	.3	15	.9	7.5	.8	204
STANDARD	23.5	118.3	87.0	253.9	1845	27	13	972	3.96	70.9	21	18	51	2.21	8.7	21.0	62	.62	.091	16	46	1.09	213	.13	25	2.26	.05	.67	19	1.9	471	.8	2.0	6.6	483

Standard is STANDARD D/AU-R. 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

GEOCHEMICAL EXTRACTION-ANALYSIS CERTIFICATE

Phelps Dodge Corp. PROJECT 249 (240) File # 95-1940

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb	
37768	1.5	17.3	7.2	62.9	62678	8	3	522	2.40	45.9	<5	3	11	.11	2.4	.2	30	.15	.059	22	12	.20	26	.04	2	.63	.03	.19	<2	.2	165	5.2	.4	2.0	2740	trout
37769	.5	2.6	2.7	132.3	302	11	33	2066	5.87	2.8	7	2	205	.24	1.3	.3	60	12.37	.022	5	3	6.35	1677	.01	2	.38	.01	.08	<2	.2	53	.6	.2	.5	41	
37770	.4	4.8	1.7	82.8	79	11	16	1110	5.06	2.1	<5	1	33	.06	.5	.2	120	1.78	.072	12	17	1.88	241	.06	3	1.85	.04	.05	<2	.1	21	<.3	.2	4.8	13	
37771	.6	4.9	3.0	62.7	79	7	13	1276	4.65	1.7	6	1	69	.33	1.0	.1	115	4.32	.076	9	14	2.55	551	.06	3	.40	.04	.09	<2	.2	12	<.3	.2	1.4	6	
46643	1.1	10.6	3.1	78.8	266	5	13	1073	3.65	8.3	<5	1	112	.16	.5	.1	98	3.16	.089	9	8	2.18	40	.31	8	3.42	.04	.06	<2	.1	7	.5	.4	16.1	9	
46644	1.0	31.1	3.2	56.5	67	1	8	626	4.74	2.1	<5	1	37	.04	<.2	.1	49	1.62	.078	11	3	.55	167	.02	<2	1.47	.07	.25	<2	.3	11	<.3	.2	3.7	1	
46645	.3	41.2	.7	31.0	47	7	19	2479	3.02	.5	6	2	106	.14	<.2	.1	30	26.06	.028	10	3	1.14	2077	<.01	2	1.52	.01	.06	2	.3	11	<.3	.2	4.1	1	
46646	1.2	4.5	4.2	4.5	59	6	1	121	.50	2.1	6	5	9	.01	2.2	.1	4	.41	.006	19	7	.03	186	.01	<2	.45	<.01	.01	2	.2	628	<.3	<.1	1.0	3	
46647	2.7	4.4	5.1	11.8	49	6	1	71	.34	5.7	<5	9	6	.02	4.5	<.1	7	.07	.006	33	9	.02	40	.01	<2	.25	.05	.15	<2	.2	668	<.3	.2	.8	5	
46648	1.7	18.7	1.1	105.7	97	61	24	863	5.97	<.5	<5	3	72	.13	<.2	.2	117	1.54	.347	46	66	1.87	103	.21	5	.62	.12	.14	<2	.2	23	<.3	.4	3.1	7	
46649	1.3	5.2	4.6	62.1	51	10	7	1096	5.20	.8	<5	6	7	.07	<.2	.2	13	.07	.054	29	7	.05	59	.03	<2	.19	.05	.12	<2	.1	11	<.3	.2	<.5	2	
46650	.7	14.2	4.3	84.8	59	2	8	1125	3.66	.9	<5	2	135	.15	<.2	.2	28	2.43	.157	23	5	.96	117	.05	<2	1.43	.05	.21	<2	.2	<5	<.3	.3	6.0	2	
RE 46650	.8	14.7	4.4	85.7	45	6	7	1132	3.68	.9	<5	2	136	.14	<.2	.1	28	2.47	.158	23	6	.97	112	.05	3	1.42	.04	.21	<2	<.1	5	.5	<.1	6.1	2	
RRE 46650	.7	14.6	4.5	89.1	40	2	9	1098	3.78	.6	<5	2	134	.15	<.2	.1	29	2.40	.162	23	5	1.01	122	.05	<2	1.51	.06	.23	<2	.3	5	<.3	.2	6.2	1	
46651	1.3	4.2	3.4	25.8	34	5	2	255	1.53	2.1	<5	6	5	.04	<.2	<.1	7	.04	.020	26	7	.02	23	.02	<2	.18	.06	.13	<2	.1	<5	<.3	.2	.6	<1	
46652	2.2	19.9	3.4	76.3	<30	17	17	1768	5.03	70.4	<5	4	101	.16	3.3	<.1	109	1.09	.195	26	27	.14	158	.06	2	1.49	.20	.13	<2	.2	<5	<.3	.1	4.0	1	
46653	1.9	21.1	2.3	93.8	53	27	21	1753	6.93	59.3	<5	4	95	.31	3.4	.2	113	.92	.164	26	25	.15	203	.06	<2	1.15	.17	.12	<2	.4	<5	<.3	.3	3.6	<1	
46654	2.0	4.6	3.4	36.3	85	5	2	528	.87	5.6	<5	8	10	.07	.4	.1	6	.08	.018	15	7	.01	90	.01	<2	.25	.07	.19	<2	.3	<5	<.3	.2	.9	1	
46655	1.8	3.5	1.2	9.8	<30	7	3	293	.98	2.4	<5	5	5	.02	1.5	.3	9	.04	.016	12	10	.01	30	.01	<2	.55	<.01	.02	<2	<.1	<5	<.3	<.1	1.0	3	
46656	3.2	4.3	5.8	21.7	160	7	2	176	.61	6.2	<5	6	20	.02	1.4	.3	5	.04	.012	31	11	.01	88	<.01	<2	.36	.01	.26	2	.2	107	<.3	.2	1.1	3	
46657	1.4	11.0	2.5	56.9	<30	6	16	831	4.66	11.3	<5	2	36	.06	.2	<.1	133	1.75	.064	11	9	1.55	567	.22	<2	1.58	.06	.12	2	.3	9	<.3	.2	8.0	1	
46658	1.4	52.1	2.4	79.9	69	4	17	1098	5.37	10.5	7	2	102	.12	<.2	<.1	138	3.24	.091	10	9	2.49	165	.32	5	2.48	.06	.10	2	.2	18	<.3	.2	10.2	2	
46659	1.4	4.2	2.2	79.6	47	3	11	689	4.93	7.7	<5	2	36	.08	.7	.2	61	1.23	.133	15	7	1.18	97	.16	<2	1.50	.06	.18	<2	<.1	5	<.3	.4	6.6	3	
46660	.9	6.8	2.5	42.9	<30	7	9	1458	3.17	1.4	<5	1	135	.20	.2	<.1	58	6.73	.041	11	10	2.06	1473	.06	2	1.25	.04	.04	<2	.2	<5	<.3	<.1	4.3	1	
RE 46660	1.0	7.3	2.8	41.1	41	5	9	1435	3.10	2.0	<5	2	133	.22	.6	.2	58	6.66	.041	10	10	2.03	1460	.05	<2	1.22	.03	.03	<2	.1	<5	<.3	.2	5.3	1	
RRE 46660	1.1	6.4	2.6	40.9	<30	6	10	1446	3.02	1.5	<5	1	126	.22	.3	<.1	56	6.68	.040	10	9	1.97	1340	.05	3	1.17	.02	.03	<2	.1	<5	<.3	.1	4.5	2	
46661	.6	5.8	2.1	60.7	34	5	8	636	3.58	1.1	<5	1	34	.08	<.2	.1	54	2.86	.071	14	8	2.03	151	.03	<2	3.09	.03	.12	<2	.2	<5	<.3	.2	8.9	2	
46662	.5	5.7	2.7	80.4	<30	14	20	848	5.68	1.2	<5	1	40	.14	<.2	.1	134	3.69	.068	11	23	3.71	107	.03	4	4.26	.03	.13	<2	.2	22	<.3	<.1	11.4	2	
46663	.4	41.7	6.6	70.2	51	<1	10	1385	4.05	1.2	<5	2	167	.26	6.9	.1	94	15.70	.038	8	4	2.01	246	.01	<2	.63	.01	.14	<2	.1	70	<.3	<.1	.9	7	
46664	.8	66.8	7.9	121.3	450	9	21	3158	4.66	3.6	<5	2	247	.55	15.9	.1	61	15.53	.016	8	2	5.87	332	<.01	<2	.34	.01	.08	<2	<.1	216	<.3	.1	<.5	6	
46665	71.8	59.5	7.8	61.3	2980	10	34	1110	4.34	1818	5	1	43	.19	15.5	1.4	33	4.57	.036	5	7	.83	102	<.01	<2	.48	<.01	.14	<2	1.0	1093	<.3	2.9	1.2	98	Lalime
46666	1.9	61.9	2.1	57.1	237	5	23	709	5.46	5.7	<5	1	30	.12	1.1	.5	45	3.01	.077	11	5	.28	24	<.01	<2	.65	.01	.19	<2	.2	178	<.3	.8	1.4	85	
46667	1.3	13.8	3.2	38.7	86	1	11	2463	4.02	3.2	<5	3	190	.30	.7	.3	42	12.21	.035	10	4	4.15	1408	.02	<2	.37	.01	.08	<2	.2	31	.3	.4	1.2	5	
46668	1.8	114.8	4.0	77.3	138	6	8	1219	4.25	854	<5	2	82	.18	4.0	.4	48	6.03	.041	5	3	2.48	112	<.01	<2	.49	.02	.12	<2	.3	205	<.3	.4	.8	81	
STANDARD D/AU-S	22.8	114.0	83.8	245.6	1873	28	13	921	4.32	82.1	19	20	57	2.23	9.5	21.7	66	.74	.092	19	50	1.19	226	.14	23	2.24	.04	.72	19	2.3	443	.9	2.3	6.6	48	

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: JUN 23 1995 **DATE REPORT MAILED:** June 30/95 **SIGNED BY.** D. TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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

GEOCHEMICAL EXTRACTION ANALYSIS CERTIFICATE

Phelps Dodge Corp. PROJECT 248 CUTOFF File # 95-2290 Page 1

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
52300	1.1	6.6	6.9	151.8	71	10	8	1114	2.92	4.4	<5	1	23	.16	.3	.2	69	.28	.099	8	23	.28	166	.11	<2	1.88	.01	.07	<2	.1	76	<.3	.2	5.8	2
52501	1.0	9.6	7.0	175.0	91	12	8	1316	2.76	3.7	<5	2	24	.22	.2	.1	63	.29	.120	8	20	.30	195	.13	2	2.17	.01	.08	<2	.1	61	<.3	.1	5.5	1
52502	.7	5.6	5.6	125.7	52	11	7	680	2.89	3.6	<5	2	20	.19	<.2	.2	67	.26	.108	8	26	.29	133	.13	5	1.80	.01	.07	<2	<.1	53	<.3	.1	5.0	23
52503	.6	27.7	5.0	136.0	41	11	7	474	2.94	2.2	<5	3	17	.13	<.2	.1	66	.24	.098	8	22	.32	143	.12	<2	1.85	.01	.06	<2	<.1	49	<.3	<.1	4.7	1
52504	.7	8.8	5.5	118.1	34	12	8	509	3.34	5.4	<5	3	20	.11	<.2	.2	79	.26	.136	9	25	.34	136	.14	3	2.11	.01	.07	<2	<.1	48	<.3	.1	5.2	<1
52505	.7	8.0	5.5	49.5	31	9	6	438	2.71	4.3	<5	1	30	.07	.4	.1	65	.33	.041	10	23	.30	97	.13	<2	1.41	.02	.10	<2	.1	48	<.3	.1	3.9	1
52506	.7	5.3	5.6	100.5	<30	7	5	437	2.34	3.2	5	2	14	.09	.2	.1	52	.16	.132	9	24	.19	99	.09	3	1.53	.01	.06	<2	.1	58	<.3	<.1	3.7	<1
52507	1.0	8.3	6.1	153.8	75	10	8	975	3.24	4.9	<5	1	21	.14	.3	.2	69	.27	.105	7	25	.36	282	.08	<2	2.08	.01	.08	<2	<.1	63	<.3	.1	5.7	6
52508	1.1	13.4	7.1	143.9	82	13	12	1861	3.63	7.4	<5	2	30	.14	.5	.2	74	.35	.142	14	36	.51	456	.09	4	2.83	.01	.09	<2	<.1	80	<.3	.1	6.7	83
52509	.7	6.2	6.7	92.2	141	6	5	502	2.48	3.4	5	<1	20	.15	.2	.2	55	.31	.041	7	19	.27	183	.10	3	1.64	.01	.07	<2	<.1	55	<.3	.1	4.2	3
52510	.9	8.1	6.5	87.2	111	6	6	660	2.50	3.7	10	1	21	.14	.3	.1	58	.26	.040	8	18	.29	178	.07	4	1.72	.01	.07	<2	.1	47	<.3	<.1	5.0	3
52511	.3	4.7	7.2	61.1	70	6	8	210	2.34	2.8	<5	<1	36	.09	<.2	.2	51	.52	.016	7	15	.53	167	.09	<2	1.96	.02	.07	<2	.1	45	<.3	.1	5.6	<1
52512	1.3	32.5	10.7	152.7	116	15	12	2331	3.37	7.7	<5	<1	66	.54	.3	.2	63	.98	.103	21	36	.39	612	.10	<2	2.14	.02	.31	<2	.1	99	.3	.1	4.7	<1
52513	1.0	17.1	9.6	217.0	68	13	11	1429	3.22	5.6	<5	2	50	.44	.3	.1	61	.63	.090	17	37	.44	462	.10	4	2.45	.02	.19	<2	.1	78	<.3	<.1	5.2	3
RE 52513	1.1	18.5	9.8	220.9	53	13	12	1510	3.37	6.0	5	3	51	.47	.2	.2	64	.64	.093	17	39	.45	498	.11	8	2.50	.02	.19	<2	.1	78	<.3	<.1	5.5	1
52514	1.0	9.1	7.9	144.8	85	15	9	1065	3.23	6.0	8	2	35	.20	.3	.2	69	.40	.190	10	33	.39	272	.13	5	2.55	.02	.12	<2	.1	73	<.3	.1	6.8	42
52515	2.5	57.0	13.1	88.2	53	3	8	582	3.14	36.8	7	1	15	.13	.5	.2	46	.19	.083	7	10	.29	102	.02	2	1.53	.01	.08	<2	.1	85	<.3	.2	4.7	4
52516	.8	4.6	5.6	113.8	78	8	5	536	2.47	2.7	<5	1	20	.13	.4	.1	57	.24	.056	8	19	.25	110	.13	<2	1.61	.01	.06	<2	<.1	57	<.3	.2	4.9	2
52517	1.0	7.5	6.4	166.7	78	14	8	654	3.21	4.7	<5	3	22	.16	.2	.1	72	.26	.091	8	25	.36	158	.14	4	2.30	.01	.07	<2	.1	75	<.3	.1	6.1	4
52518	.8	8.2	6.8	156.1	84	13	8	1187	3.20	5.0	11	3	21	.17	<.2	.1	69	.25	.200	8	28	.34	183	.11	9	2.36	.02	.06	<2	<.1	69	<.3	.1	5.2	12
52519	.7	6.0	5.1	88.0	51	9	6	595	2.45	3.1	<5	1	31	.12	<.2	.2	54	.42	.083	7	18	.31	117	.12	3	1.50	.02	.07	<2	<.1	35	<.3	.1	4.2	<1
52520	1.0	8.1	5.8	196.4	90	12	8	738	3.01	3.5	<5	2	24	.21	.2	.1	66	.32	.114	7	25	.37	160	.11	4	2.02	.01	.08	<2	.1	72	<.3	.1	6.3	1
52521	1.0	6.8	5.8	114.6	45	10	7	1130	2.43	3.8	5	1	23	.12	<.2	.1	55	.27	.134	8	21	.29	158	.10	<2	1.79	.01	.08	<2	<.1	65	<.3	.1	4.2	<1
52522	.6	6.6	5.2	108.6	34	11	6	579	2.83	2.6	<5	3	16	.09	<.2	.1	69	.20	.064	8	20	.27	92	.14	6	1.88	.01	.05	<2	.1	39	<.3	<.1	4.6	1
52523	.6	5.8	4.7	76.7	<30	9	5	496	2.33	3.1	.6	3	20	.07	<.2	.1	57	.24	.052	7	19	.26	113	.13	8	1.62	.02	.06	<2	<.1	38	<.3	.1	4.0	<1
52524	.8	5.1	5.7	92.9	69	9	6	1010	2.26	2.8	8	2	23	.10	<.2	.1	52	.29	.084	7	21	.25	132	.11	5	1.58	.01	.06	<2	.1	40	<.3	.1	4.0	<1
52525	.7	4.2	4.8	101.5	37	6	5	980	1.88	1.9	<5	1	16	.09	<.2	.1	45	.21	.062	7	14	.20	114	.11	5	1.28	.01	.05	<2	<.1	30	<.3	.1	3.5	1
52526	1.0	10.7	5.7	48.8	40	8	6	355	3.02	12.4	<5	1	25	.06	.3	.1	64	.29	.035	8	21	.35	91	.14	<2	1.54	.02	.08	<2	<.1	34	<.3	.1	3.8	2
52527	1.2	10.0	4.6	48.6	82	7	6	236	2.79	6.2	8	1	21	.07	.2	.2	60	.25	.058	7	11	.25	101	.10	7	1.71	.02	.08	<2	<.1	33	<.3	.1	4.7	2
52528	1.3	8.9	4.0	51.0	100	5	5	374	2.43	3.7	12	1	18	.12	.2	.2	53	.22	.050	7	16	.23	109	.09	5	1.09	.01	.08	<2	<.1	36	<.3	.1	3.7	1
52529	.6	7.9	4.9	45.9	<30	9	5	257	2.43	4.3	<5	2	23	.05	.2	.1	54	.25	.078	9	20	.30	88	.15	5	1.65	.02	.07	<2	.1	48	<.3	<.1	3.7	<1
52530	.5	6.5	4.2	88.7	30	10	6	615	2.56	3.3	<5	1	21	.10	<.2	.1	57	.28	.089	7	22	.28	126	.13	11	1.73	.01	.06	<2	.1	31	<.3	<.1	3.8	1
52531	.8	6.9	4.6	99.9	37	11	6	578	2.89	4.5	<5	1	21	.12	<.2	.1	66	.30	.067	7	17	.33	103	.12	3	1.86	.01	.08	<2	.1	39	<.3	<.1	5.1	1
52532	.7	7.0	5.1	97.0	33	11	6	389	2.91	4.5	<5	2	22	.11	<.2	.2	61	.35	.094	7	22	.36	127	.12	7	1.98	.01	.08	<2	<.1	48	<.3	<.1	5.8	<1
STANDARD D/AU-S	23.5	128.4	89.6	271.8	2042	26	15	972	4.22	70.7	19	21	60	2.44	9.5	21.5	64	.66	.088	17	63	1.21	230	.15	24	2.41	.08	.77	18	2.2	468	.9	2.4	7.2	46

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

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

DATE RECEIVED: JUL 12 1995 DATE REPORT MAILED: July 24/95 SIGNED BY. C. Leong .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
52533	.7	12.9	6.0	118.3	65	14	9	855	3.20	6.7	<5	2	29	.14	<.2	.1	60	.32	.145	11	19	.40	204	.10	10	2.25	.02	.08	<2	.1	64	<.3	.2	5.6	3
52534	.7	19.9	7.4	112.1	44	18	12	1363	3.82	8.9	<5	1	48	.20	<.2	.1	71	.62	.059	19	30	.49	336	.09	9	2.64	.02	.15	<2	<.1	81	<.3	.1	6.1	1
52535	.7	17.4	9.3	166.3	85	3	11	2057	4.27	9.4	6	<1	29	.35	<.2	.1	55	.67	.080	22	9	.45	564	<.01	9	2.21	.01	.18	<2	<.1	71	<.3	.1	5.6	1
52536	.9	11.1	11.7	93.8	185	4	11	2057	4.81	85.2	6	1	22	.23	<.2	.1	48	.50	.031	20	5	.36	335	<.01	11	2.05	.01	.19	<2	<.1	104	<.3	.1	5.3	2
52537	.4	6.2	6.0	87.7	338	1	10	1106	3.87	3.5	<5	1	41	.35	<.2	.1	38	2.02	.093	18	4	.20	238	<.01	13	.76	.01	.11	<2	<.1	101	<.3	.1	1.7	2
52538	.8	7.3	3.8	37.2	<30	6	5	235	2.44	4.1	8	3	25	.05	<.2	.1	50	.27	.035	11	17	.21	71	.10	9	.88	.03	.11	<2	<.1	38	<.3	<.1	2.1	16
52539	.5	6.8	4.1	51.4	<30	8	5	421	2.54	2.2	<5	2	25	.09	<.2	.1	50	.29	.056	11	21	.22	140	.10	11	1.23	.02	.17	<2	<.1	26	<.3	.1	2.9	1
52540	.6	7.4	4.9	45.2	<30	7	5	223	2.45	4.0	8	1	19	.04	<.2	.1	55	.17	.039	9	10	.20	86	.08	9	1.20	.02	.06	<2	<.1	36	<.3	<.1	3.5	2
52541	.4	4.6	4.1	79.2	<30	7	5	467	2.11	.9	<5	2	16	.06	<.2	.1	42	.20	.061	7	16	.21	148	.09	11	1.35	.01	.08	<2	<.1	29	<.3	<.1	3.2	2
RE 52541	.3	4.3	4.2	77.0	<30	7	4	458	2.07	.9	11	2	16	.06	<.2	.1	41	.20	.059	7	17	.20	144	.09	9	1.32	.01	.08	<2	<.1	35	<.3	<.1	3.2	5
52542	.5	4.9	4.0	65.9	34	5	5	447	2.73	.8	11	2	21	.08	<.2	.1	61	.29	.047	5	13	.30	108	.05	11	1.49	.01	.07	<2	<.1	37	<.3	<.1	3.6	3
52543	.6	6.2	4.9	90.3	<30	11	6	576	2.58	2.4	6	3	17	.08	<.2	.1	53	.19	.072	7	23	.26	94	.12	13	1.89	.01	.06	<2	<.1	36	<.3	<.1	5.1	6
52544	.5	6.0	4.7	49.7	<30	10	5	225	2.37	1.6	<5	2	18	.04	<.2	.1	48	.21	.081	7	19	.24	74	.12	7	1.69	.02	.05	<2	<.1	16	<.3	.1	3.8	17
52545	.5	6.2	4.8	70.8	<30	10	5	380	2.39	2.6	<5	2	16	.05	<.2	.1	51	.19	.070	7	20	.23	92	.11	8	1.57	.01	.04	<2	<.1	37	<.3	<.1	3.6	2
52546	.2	5.5	5.7	49.6	<30	7	4	252	1.68	1.3	<5	2	19	.04	<.2	<.1	37	.22	.024	7	16	.22	82	.13	8	1.22	.02	.04	<2	<.1	7	<.3	<.1	2.4	1
52547	.6	5.6	5.5	75.3	<30	11	6	303	2.46	2.3	6	3	18	.05	<.2	.1	50	.21	.064	7	18	.25	92	.13	11	1.70	.02	.06	<2	<.1	21	<.3	.1	4.1	3
52548	.4	7.7	4.6	48.7	<30	12	6	356	2.64	2.1	9	3	21	.04	<.2	.1	55	.25	.056	8	26	.29	81	.15	10	1.50	.02	.06	<2	<.1	15	<.3	.1	3.7	2
52549	.4	6.4	4.4	53.4	<30	11	6	266	2.55	3.0	6	3	22	.05	<.2	.1	54	.23	.028	8	20	.30	117	.13	11	1.78	.02	.06	<2	.1	19	<.3	.1	4.1	<1
52550	.6	9.4	5.6	80.2	43	13	7	299	3.10	3.5	<5	3	19	.06	<.2	.1	63	.19	.061	8	24	.35	155	.13	6	2.18	.02	.05	<2	.1	32	<.3	.2	4.7	1
52551	.6	9.4	5.0	75.2	<30	13	7	384	3.06	3.9	<5	3	17	.06	<.2	.1	61	.19	.076	8	22	.36	122	.11	8	2.25	.01	.06	<2	<.1	39	<.3	<.1	4.7	1
52552	.5	6.0	4.5	93.3	<30	11	6	602	2.96	2.2	<5	3	16	.07	<.2	.1	64	.22	.072	8	21	.28	106	.12	7	1.67	.01	.06	<2	.1	16	<.3	.1	4.1	2
52553	.5	3.8	5.1	85.8	31	8	5	716	2.89	1.2	<5	2	15	.09	<.2	.1	60	.21	.105	6	12	.18	110	.11	8	1.40	.01	.05	<2	.1	29	<.3	<.1	4.1	2
52554	.5	5.7	4.4	78.3	<30	12	6	545	2.77	2.3	5	3	17	.06	<.2	.2	60	.23	.060	7	19	.28	118	.12	10	1.82	.01	.07	<2	.1	30	<.3	.1	4.3	<1
52555	.5	7.5	4.9	69.1	37	12	6	358	3.16	3.6	5	3	14	.06	<.2	.1	67	.19	.075	7	24	.30	88	.12	6	1.85	.01	.05	<2	.1	41	<.3	.2	4.8	43
52556	.4	8.6	4.6	40.5	<30	11	6	294	2.86	3.9	6	3	21	.04	<.2	.1	58	.26	.064	8	24	.34	92	.12	8	1.56	.01	.05	<2	<.1	17	<.3	.2	3.0	2
52557	.2	5.4	3.9	32.9	<30	7	4	229	1.96	2.1	<5	2	20	.03	<.2	.1	39	.23	.043	7	18	.23	77	.11	4	1.18	.01	.04	<2	.1	13	<.3	.1	2.3	8
52558	.4	6.0	4.3	51.3	<30	11	6	481	2.67	2.4	9	3	17	.05	<.2	.1	53	.22	.101	8	21	.31	83	.11	10	1.36	.01	.05	<2	.1	9	<.3	.2	3.2	<1
52559	.4	6.1	4.5	42.4	<30	10	5	310	2.59	2.0	10	4	21	.03	<.2	.1	55	.27	.044	8	26	.25	78	.16	11	1.46	.02	.05	<2	.1	<5	<.3	.1	3.5	1
52560	.5	7.5	4.7	39.8	<30	10	5	325	2.74	2.7	6	3	20	.04	<.2	.1	55	.24	.059	9	19	.30	73	.12	7	1.52	.01	.07	<2	.1	17	<.3	.2	3.7	1
52561	.4	7.2	4.9	38.1	<30	11	6	376	2.64	2.1	<5	3	18	.04	<.2	.1	54	.23	.114	7	22	.27	88	.13	9	1.52	.01	.07	<2	<.1	18	<.3	.1	3.2	2
52562	.5	3.8	5.4	29.7	80	5	3	315	1.98	1.1	18	4	14	.04	<.2	.1	43	.20	.047	6	17	.17	72	.10	14	1.06	.01	.05	<2	.1	18	<.3	.3	4.2	<1
52563	.4	3.7	3.9	49.4	74	4	4	326	2.12	4.5	18	3	14	.08	<.2	.1	44	.19	.033	6	15	.16	112	.06	10	.96	.01	.07	<2	.1	18	<.3	.2	3.1	50
52564	.5	8.7	3.6	54.1	38	4	5	595	2.85	2.1	18	3	17	.08	.3	.1	50	.28	.056	6	14	.20	127	.06	9	.92	.01	.09	<2	<.1	41	<.3	.1	2.1	27
52565	1.0	13.6	4.4	58.1	72	6	7	736	3.83	6.9	<5	2	21	.13	.3	.2	57	.39	.029	12	8	.24	147	.03	7	1.22	.01	.07	<2	.1	61	<.3	.3	2.7	4
STANDARD D/AU-S	22.1	120.1	81.5	270.6	1895	30	14	969	4.67	74.1	18	20	60	2.22	10.5	20.6	64	.66	.088	17	55	1.21	232	.15	31	2.43	.08	.81	18	2.5	477	1.0	2.4	6.7	52

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
52566	.8	3.2	4.7	60.8	<30	6	6	596	2.20	2.4	9	2	13	.07	<.2	<.1	54	.16	.028	7	13	.19	97	.10	<2	1.22	.01	.05	<2	<.1	36	<.3	.1	3.0	2
52567	.6	4.7	3.8	33.4	33	5	3	222	1.59	2.5	<5	1	17	.04	.2	.1	39	.19	.019	8	9	.16	101	.08	<2	.99	.01	.05	<2	<.1	27	<.3	.1	2.9	1
52568	.8	14.4	5.1	48.1	31	10	6	483	2.40	7.2	<5	2	30	.14	.4	.1	47	.36	.063	14	12	.27	122	.07	2	1.15	.02	.18	<2	<.1	42	<.3	.1	2.9	3
52569	1.3	10.3	4.6	92.3	45	9	6	1087	2.20	3.9	<5	1	45	.37	.3	.1	40	.48	.161	11	15	.19	237	.06	<2	1.30	.01	.20	<2	<.1	47	<.3	.1	3.3	1
52570	.7	2.0	4.2	53.7	<30	4	9	511	3.63	7.4	<5	<1	9	.06	.2	<.1	56	.38	.042	11	16	.47	292	<.01	<2	2.13	<.01	.08	<2	<.1	69	<.3	.1	3.1	1
52571	1.0	5.5	6.3	94.4	44	2	6	1258	4.37	12.1	5	<1	15	.37	.4	.1	59	.46	.087	7	12	.14	277	.01	3	1.21	<.01	.14	<2	<.1	71	<.3	<.1	3.9	<1
52572	1.4	33.9	6.6	263.0	207	1	11	1135	3.33	19.6	12	2	16	2.24	1.2	.2	31	.44	.028	14	10	.12	339	<.01	7	1.07	<.01	.13	<2	<.1	165	<.3	.2	2.0	6
52573	.8	5.2	5.4	117.4	115	7	7	456	2.34	2.2	6	3	16	.27	.2	.1	51	.19	.092	7	13	.24	102	.09	6	1.56	.01	.07	<2	<.1	59	<.3	.1	4.9	<1
52574	1.3	6.1	7.0	148.0	66	8	8	1426	2.65	1.7	<5	1	22	.33	<.2	.1	54	.29	.102	7	15	.25	165	.09	<2	1.48	.01	.13	<2	<.1	62	<.3	.1	4.5	<1
52575	.9	5.2	6.2	73.3	50	10	7	706	2.57	4.7	<5	2	23	.12	<.2	.1	59	.27	.057	7	16	.31	121	.10	6	1.81	.01	.07	<2	<.1	54	<.3	.1	4.8	4
52576	.6	3.9	4.6	64.4	50	5	4	406	1.96	1.8	8	1	13	.10	<.2	.1	42	.18	.113	7	11	.16	125	.07	4	1.24	.01	.07	<2	<.1	42	<.3	<.1	3.8	2
52577	2.3	11.6	5.0	45.4	239	5	6	824	2.62	6.9	7	<1	26	.20	.3	.1	56	.43	.060	7	20	.19	162	.08	3	.81	.01	.09	<2	<.1	71	<.3	<.1	2.9	9
52578	.9	10.1	4.9	65.1	58	4	6	810	2.57	4.9	<5	<1	22	.29	.3	.1	48	.29	.046	7	6	.18	151	.06	2	.86	.01	.08	<2	<.1	52	<.3	.1	2.8	<1
RE 52578	.9	9.9	4.9	62.2	67	3	6	826	2.47	4.8	11	2	22	.28	.3	.1	45	.29	.045	7	11	.17	150	.06	8	.82	.01	.08	<2	<.1	50	<.3	.1	2.7	<1
52579	.9	12.2	5.0	46.2	46	7	6	757	2.17	5.7	<5	1	34	.23	.2	<.1	50	.46	.049	10	9	.22	103	.11	8	.93	.02	.12	<2	<.1	61	<.3	.1	2.7	<1
52580	.8	9.5	5.8	71.5	88	8	7	824	2.61	10.5	11	2	26	.30	.2	.1	52	.35	.094	10	12	.22	130	.10	6	1.31	.02	.12	<2	<.1	47	<.3	.1	3.5	<1
52581	1.8	12.6	6.3	93.2	155	6	9	1470	3.13	10.6	<5	1	19	.49	.2	.1	47	.27	.067	9	10	.20	205	.06	3	1.24	.01	.12	<2	<.1	57	<.3	.2	3.2	<1
52582	.7	6.8	4.9	83.5	128	5	6	642	2.57	9.6	<5	1	16	.25	.2	.1	53	.25	.052	7	14	.25	118	.09	4	1.12	.01	.08	<2	<.1	51	<.3	.1	3.0	<1
52583	1.0	13.9	4.7	49.8	76	8	7	437	2.76	11.6	9	1	17	.21	.7	.1	52	.24	.079	9	19	.23	83	.08	5	1.10	.02	.07	<2	<.1	63	<.3	.1	2.9	4
52584	1.5	16.9	6.7	166.0	237	7	15	1466	4.21	8.3	<5	<1	27	.90	<.2	.2	59	.53	.105	7	17	.31	233	.06	3	1.56	.01	.15	<2	<.1	73	<.3	.3	4.3	2
52585	.9	8.3	5.2	79.5	125	5	8	1613	2.38	2.5	9	1	21	.27	<.2	.1	49	.42	.056	7	17	.19	148	.08	5	1.06	.01	.11	<2	<.1	52	<.3	<.1	3.3	1
52586	1.3	22.6	19.6	66.8	173	6	9	973	3.31	40.1	5	1	20	.20	<.2	.2	60	.37	.037	10	17	.34	238	.06	5	1.33	.02	.10	<2	<.1	83	<.3	<.1	3.6	8
52587	1.6	16.7	8.3	131.0	138	6	7	1523	3.23	7.7	<5	<1	25	.53	.2	.1	47	.50	.166	10	20	.25	515	.04	2	1.56	.01	.12	<2	<.1	72	<.3	.2	4.0	1
52588	1.1	7.3	4.6	113.0	58	4	11	834	3.20	2.5	15	<1	31	.33	<.2	.1	48	.70	.084	4	7	.23	128	.03	10	1.18	.01	.12	<2	<.1	107	<.3	.3	3.0	<1
52589	1.4	10.4	9.8	154.8	214	2	10	468	3.76	7.2	28	1	16	.84	<.2	.4	46	.22	.112	6	8	.32	222	.02	10	1.68	.01	.10	<2	<.1	96	<.3	1.4	4.9	<1
52590	.8	7.8	3.7	35.1	<30	7	5	274	2.26	4.7	18	2	20	.09	<.2	.1	52	.21	.045	8	19	.21	80	.10	7	1.01	.02	.05	<2	<.1	30	<.3	.1	2.8	<1
52591	.6	4.1	4.3	51.7	32	6	4	563	1.97	2.0	7	1	22	.07	<.2	<.1	43	.28	.131	7	13	.17	125	.10	5	1.23	.01	.07	<2	<.1	45	<.3	.1	3.1	1
52592	.6	5.6	4.3	40.9	<30	7	4	441	1.91	3.7	9	1	16	.04	<.2	.1	43	.16	.127	7	17	.16	71	.10	19	1.36	.02	.04	<2	<.1	36	<.3	.1	2.7	<1
52593	.5	3.6	3.8	37.9	51	5	3	375	2.02	1.1	6	<1	23	.06	<.2	<.1	49	.28	.042	6	10	.19	92	.11	5	.91	.01	.08	<2	<.1	32	<.3	.2	2.7	<1
52594	.4	3.4	4.2	45.0	<30	3	3	264	1.76	.8	15	2	14	.05	<.2	<.1	40	.21	.024	6	6	.17	131	.08	5	1.06	.01	.04	<2	.1	27	<.3	<.1	2.6	5
52595	.6	6.6	4.5	82.7	49	5	4	790	1.61	1.0	<5	<1	19	.16	<.2	.1	34	.27	.081	7	10	.18	162	.09	3	1.19	.01	.10	<2	<.1	49	<.3	.1	2.9	3
52596	.5	15.0	7.1	104.5	72	5	7	1257	2.78	3.1	6	<1	55	.41	.3	<.1	45	1.25	.096	14	30	.41	947	.05	5	1.63	.01	.28	<2	<.1	78	<.3	.2	3.1	1
52597	.4	8.2	4.3	59.2	38	4	4	373	2.35	1.4	14	2	20	.08	<.2	.1	47	.37	.040	8	16	.27	268	.08	9	1.25	.01	.12	<2	<.1	50	<.3	<.1	2.6	<1
52598	.6	9.2	4.0	54.8	38	4	6	542	2.75	4.1	11	1	29	.10	<.2	<.1	55	.52	.033	7	18	.33	284	.06	6	1.40	.01	.17	<2	<.1	66	<.3	.1	3.1	6
STANDARD D/AU-S	22.7	124.5	84.4	274.3	1967	29	14	969	4.28	74.9	18	20	60	2.33	10.0	20.9	65	.66	.089	17	61	1.20	234	.15	25	2.47	.07	.78	18	2.4	455	.9	2.1	6.9	52

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
52599	.4	5.6	4.7	87.4	77	3	7	1085	3.06	1.8	6	1	16	.14	.5	<.1	48	.49	.067	13	13	.51	344	.03	3	1.70	.01	.13	<2	.1	56	<.3	.1	4.2	3
52600	.8	26.2	5.6	134.3	92	6	11	2270	6.07	3.2	14	2	34	.40	1.0	<.1	73	.76	.323	9	28	.26	660	.01	5	2.17	.01	.16	<2	.1	80	<.3	.1	4.9	<1
52601	.8	7.5	4.7	156.0	101	10	8	1193	3.65	2.1	6	2	19	.24	.2	<.1	69	.27	.091	8	33	.32	327	.04	2	1.87	.01	.09	<2	.1	60	<.3	<.1	5.6	1
52602	.7	7.6	4.9	112.2	68	8	6	594	3.00	3.5	6	1	15	.12	.2	<.1	55	.23	.103	8	16	.32	200	.06	<2	1.71	.01	.06	<2	.1	57	<.3	.1	4.7	<1
52603	1.4	7.5	3.9	60.0	<30	6	5	232	2.76	2.7	7	<1	27	.11	.4	.1	53	.29	.080	6	12	.28	154	.05	<2	1.37	.01	.07	<2	.1	72	<.3	.2	4.4	<1
52604	.4	4.5	4.4	54.6	32	4	6	164	2.25	1.2	<5	<1	38	.06	.2	<.1	36	.37	.015	6	8	.39	154	.05	<2	1.76	.02	.13	<2	<.1	60	<.3	.1	4.0	1
52605	1.8	5.9	5.3	111.1	<30	7	6	1064	2.24	<.5	<5	1	17	.22	<.2	.1	40	.17	.071	10	14	.18	196	.08	2	1.43	.02	.11	<2	.1	45	<.3	.1	3.5	<1
52606	.7	8.7	5.3	108.4	209	11	7	1542	2.56	1.4	<5	2	36	.26	<.2	<.1	51	.43	.084	11	23	.25	297	.09	26	1.58	.02	.11	<2	.2	62	<.3	.1	3.5	1
52607	.7	8.8	4.5	45.1	203	8	5	461	2.70	3.0	<5	2	27	.06	<.2	.1	58	.33	.018	9	24	.34	113	.13	36	1.25	.03	.07	<2	.2	38	<.3	.1	3.3	16
52608	.8	5.4	5.2	111.9	73	8	6	967	2.65	.7	5	2	35	.27	<.2	.1	54	.45	.079	8	26	.22	117	.10	3	1.33	.02	.09	<2	.1	36	<.3	<.1	4.9	<1
52609	.9	5.5	5.9	134.2	65	11	8	1198	2.75	2.2	7	3	23	.18	.2	.1	56	.26	.104	8	17	.25	224	.08	4	1.69	.02	.10	<2	.1	69	<.3	.1	4.7	35
52610	.7	6.1	5.0	100.6	124	10	6	799	2.47	1.7	<5	2	15	.08	<.2	.1	52	.19	.062	8	15	.23	139	.11	24	1.63	.02	.05	<2	.3	37	<.3	<.1	4.2	1
52611	1.1	6.1	5.2	90.8	181	13	7	890	2.97	2.8	<5	2	26	.11	<.2	.1	59	.28	.127	9	24	.26	147	.11	17	1.77	.02	.08	<2	.3	58	<.3	.1	4.9	8
52612	1.1	5.8	4.7	95.5	83	13	8	851	2.77	2.3	5	2	21	.13	.3	.1	56	.22	.109	9	21	.28	142	.10	4	1.78	.02	.08	<2	.1	61	<.3	.2	5.4	<1
52613	.6	7.7	4.4	69.1	<30	9	5	546	2.46	1.8	<5	2	18	.09	<.2	.1	49	.23	.103	8	26	.23	105	.12	2	1.27	.02	.05	<2	.1	36	<.3	.1	3.3	7
52614	.7	8.5	4.2	77.0	322	13	7	555	3.52	2.3	<5	3	15	.07	<.2	.1	74	.20	.109	9	28	.32	99	.12	29	1.53	.02	.06	<2	.5	28	<.3	.2	3.8	<1
52615	.8	6.0	4.9	89.6	108	9	6	731	2.73	2.0	<5	3	15	.07	<.2	.1	58	.20	.078	7	21	.28	124	.13	13	1.88	.02	.05	<2	.3	44	<.3	.1	4.7	1
52616	.7	4.2	4.5	64.2	<30	9	5	521	2.44	1.9	5	3	16	.07	<.2	<.1	53	.21	.046	8	21	.23	94	.11	6	1.82	.01	.06	<2	.1	35	<.3	.2	4.9	1
RE 52616	.8	4.3	5.0	67.4	<30	9	5	546	2.56	1.8	<5	1	17	.07	<.2	.1	56	.22	.048	7	18	.24	98	.12	2	1.55	.01	.06	<2	<.1	47	<.3	.1	5.0	5
52617	.6	5.5	4.1	71.6	282	10	6	392	2.66	2.6	8	3	14	.06	<.2	.1	58	.19	.061	8	17	.26	100	.12	20	1.63	.02	.05	<2	.2	41	<.3	.1	4.0	2
52618	.6	11.6	4.4	53.2	50	11	6	376	3.09	3.3	7	3	17	.07	.6	.1	62	.19	.056	8	22	.33	112	.11	4	1.69	.02	.06	<2	.1	34	<.3	.2	4.0	33
52619	.7	5.7	4.7	84.4	<30	10	5	494	2.64	2.9	<5	2	13	.09	<.2	.1	53	.16	.089	8	19	.21	86	.11	<2	1.54	.01	.05	<2	.1	29	<.3	.1	4.1	1
52620	.5	6.6	4.3	55.7	52	8	4	402	2.44	1.6	<5	1	18	.07	<.2	.1	50	.28	.036	8	22	.24	137	.13	<2	1.59	.02	.06	<2	.1	19	<.3	.2	4.0	1
52621	1.0	6.3	6.2	50.3	59	3	5	917	3.31	25.0	<5	1	18	.24	<.2	.2	51	.36	.036	5	11	.20	162	.03	3	1.16	.01	.10	<2	<.1	63	<.3	.3	3.8	1
52623	.5	4.2	4.0	48.2	95	4	4	640	2.35	1.1	<5	1	14	.11	.2	.1	49	.24	.033	7	19	.15	104	.08	2	1.02	.01	.09	<2	.1	31	<.3	.1	4.0	11
52624	.8	6.0	3.7	66.3	160	5	5	899	2.87	3.8	13	<1	16	.16	.3	.2	50	.26	.036	7	22	.18	177	.04	9	1.13	.02	.10	<2	.1	55	<.3	.2	3.4	2
52625 not received	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52626	1.3	22.6	4.1	54.6	136	6	6	621	2.84	4.7	6	3	21	.10	.4	.1	49	.27	.058	7	20	.25	155	.08	3	1.03	.01	.12	<2	<.1	25	<.3	.2	3.2	5
52627	.8	10.6	5.7	122.6	103	10	6	1043	2.76	2.1	9	2	31	.22	<.2	.1	48	.46	.080	9	21	.36	220	.09	4	1.74	.02	.08	<2	.1	58	<.3	.1	4.7	1
52628	1.0	6.8	4.8	37.1	56	5	3	454	1.85	1.2	<5	<1	22	.09	<.2	.2	36	.31	.026	8	16	.16	119	.08	<2	1.15	.02	.07	<2	.1	48	<.3	.1	3.4	1
52629	.7	9.0	5.0	54.1	<30	8	6	600	2.50	2.4	<5	3	26	.08	.3	.1	49	.30	.081	15	25	.23	129	.11	4	1.10	.03	.23	<2	.1	23	<.3	.2	2.8	1
52630	.8	9.3	5.1	72.8	153	7	5	769	2.36	2.4	6	2	21	.11	.2	.1	42	.30	.060	11	19	.22	229	.08	20	1.26	.03	.17	<2	.2	41	<.3	.1	2.9	1
52631	1.3	25.3	13.9	238.7	203	4	13	2276	4.20	90.4	13	1	32	3.11	1.6	.1	34	.75	.081	17	23	.17	684	<.01	7	1.34	.01	.17	<2	.1	126	<.3	.1	2.5	5
STANDARD D/AU-S	23.8	126.2	90.8	259.7	1942	28	14	1010	4.45	70.9	17	20	57	2.35	9.7	20.9	62	.63	.084	18	53	1.16	246	.14	26	2.33	.08	.78	18	2.4	456	1.0	2.2	7.1	49

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
52632	.9	11.6	5.1	65.5	92	11	8	430	3.54	10.2	6	1	12	.13	.5	.2	68	.20	.040	7	26	.41	144	.09	<2	1.50	.01	.06	<2	.1	42	<.3	.3	4.6	2
52633	1.7	21.2	7.6	88.4	45	2	13	699	5.75	15.1	7	<1	15	.41	1.3	.5	35	.29	.037	13	21	.30	562	<.01	<2	1.71	.01	.15	<2	.1	76	<.3	.2	4.6	42
52634	12.5	370.4	6.0	64.9	163	3	19	590	7.26	16.9	11	1	17	.13	2.5	<.1	53	.24	.063	14	17	.66	366	.02	3	1.88	.01	.10	<2	.2	128	3.7	.3	6.5	9
52635	1.2	14.3	6.0	91.1	75	7	9	630	4.29	22.9	<5	<1	18	.26	1.1	.2	58	.26	.058	10	17	.26	181	.04	2	1.24	.01	.07	<2	.1	89	<.3	.2	3.5	1
52636	.7	5.4	6.3	73.8	37	6	7	713	3.39	3.8	7	1	22	.11	1.2	.1	69	.28	.044	8	26	.27	264	.05	3	1.53	.01	.08	<2	.1	49	<.3	.1	3.6	8
52637	.9	7.5	4.4	43.2	55	3	5	461	2.50	2.8	8	1	14	.10	.4	.2	46	.19	.040	6	14	.15	120	.05	3	.94	.01	.08	<2	<.1	40	<.3	.1	3.9	2
52638	1.0	15.0	4.8	110.1	66	5	9	1150	3.63	4.6	10	1	19	.28	<.2	.2	58	.35	.041	7	15	.39	214	.02	2	1.88	.01	.14	<2	.1	66	<.3	<.1	5.1	2
52639	.8	6.5	4.5	57.7	32	5	5	704	2.28	9.8	<5	1	19	.15	.9	.1	45	.30	.055	7	18	.21	152	.09	<2	1.00	.02	.07	<2	.1	50	<.3	.1	3.0	2
52640	3.3	159.1	10.0	367.3	498	9	34	5898	7.58	16.9	<5	<1	49	2.58	.7	.9	60	1.31	.174	30	31	.38	1378	.02	<2	2.07	.01	.18	<2	.2	122	1.0	.3	6.3	5
52641	1.1	32.4	5.7	213.1	336	5	11	2990	3.70	10.6	6	<1	27	1.12	.7	.3	54	.57	.099	11	24	.31	626	.04	2	1.62	.01	.13	<2	<.1	100	<.3	.3	3.6	3
52642	.8	6.6	5.7	89.1	49	3	4	458	2.28	3.9	11	<1	14	.50	.7	.2	47	.35	.023	6	15	.17	52	.06	3	.74	.01	.06	<2	.1	60	<.3	<.1	3.0	2
52643	.9	8.4	5.3	106.1	140	5	8	1545	2.84	13.1	5	<1	18	.58	.8	.3	49	.35	.048	9	17	.19	177	.07	2	1.20	.02	.13	<2	.1	73	<.3	<.1	3.4	4
52644	.9	15.9	5.6	124.2	161	8	10	3257	2.70	4.4	<5	<1	34	.69	.3	.3	45	.61	.044	9	23	.18	278	.07	2	1.29	.01	.14	<2	<.1	70	<.3	.1	3.4	1
52645	.6	8.1	4.9	63.8	64	4	6	1131	2.60	3.7	10	1	24	.12	.3	.2	46	.42	.034	8	17	.25	144	.06	5	1.48	.02	.11	<2	.1	71	<.3	.2	4.3	2
52646	.9	15.9	11.6	108.4	115	5	9	1439	3.72	7.4	7	<1	23	.40	.3	.2	55	.40	.061	18	20	.35	376	.04	2	2.11	.01	.16	<2	.1	76	<.3	.3	4.9	1
52647	.8	11.3	3.5	104.3	104	1	4	1195	2.53	2.5	14	<1	20	.17	<.2	.1	37	.26	.037	6	5	.38	156	<.01	<2	1.55	.01	.08	<2	.1	61	<.3	.2	4.6	4
52648	.7	6.7	4.1	34.5	33	5	5	276	2.05	6.1	12	<1	23	.10	.4	.1	41	.30	.057	10	13	.20	82	.09	<2	.87	.02	.10	<2	.1	42	<.3	.1	2.5	1
52649	.5	3.9	4.6	26.9	31	3	3	173	1.72	2.7	<5	1	16	.07	.3	.2	41	.24	.034	7	19	.13	55	.12	<2	.77	.02	.07	<2	<.1	39	<.3	.2	3.9	10
52650	.4	3.6	4.4	35.8	48	4	4	361	1.81	2.2	10	<1	13	.06	.2	.2	44	.18	.055	7	16	.12	57	.12	6	.90	.02	.04	<2	.1	35	<.3	.2	3.9	<1
52651	.6	6.6	5.0	64.2	52	6	6	825	2.34	4.0	<5	1	14	.11	.2	.2	49	.18	.119	8	20	.18	132	.11	5	1.38	.02	.06	<2	.1	52	<.3	.1	4.1	<1
52652	.5	5.9	3.9	36.7	54	8	5	452	2.14	3.8	7	1	20	.06	.3	.1	44	.20	.089	9	16	.17	123	.09	12	1.14	.02	.06	<2	.2	42	<.3	<.1	3.0	<1
52653	.6	7.9	3.8	40.8	<30	7	6	475	2.34	4.9	<5	2	16	.06	<.2	.2	48	.19	.111	8	20	.24	124	.11	4	1.79	.02	.05	<2	.1	54	<.3	<.1	4.4	<1
52654	.7	7.7	5.6	50.5	31	9	7	488	2.43	3.7	<5	<1	23	.06	.2	.2	52	.26	.062	8	20	.25	93	.13	<2	1.43	.01	.06	<2	.1	46	<.3	<.1	3.5	51
RE 52654	.6	7.2	5.6	47.1	<30	9	6	453	2.23	3.2	<5	1	21	.06	.2	.2	47	.24	.056	8	25	.23	86	.12	<2	1.35	.02	.06	<2	.1	37	<.3	.1	3.5	1
52655	.9	5.3	4.9	68.6	<30	8	6	1076	2.58	2.4	<5	1	21	.09	.2	.2	56	.24	.107	7	23	.22	111	.12	3	1.19	.01	.06	<2	.1	37	<.3	.1	4.0	<1
52656	.7	7.7	5.3	65.0	39	11	7	699	2.96	3.3	<5	2	18	.07	.3	.1	61	.22	.086	8	22	.29	111	.11	2	1.39	.02	.06	<2	.1	36	<.3	.2	3.8	3
52657	.4	7.3	4.1	55.1	33	13	7	414	3.01	6.3	<5	2	21	.05	.2	.1	60	.24	.076	8	20	.34	89	.12	12	1.67	.02	.06	<2	.1	30	<.3	.2	3.7	<1
52658	.6	5.6	4.4	79.0	<30	11	6	371	2.44	2.9	<5	2	21	.07	.2	.2	48	.22	.078	9	20	.22	134	.10	<2	1.56	.01	.10	<2	.1	28	<.3	.1	4.0	<1
52659	.7	4.4	5.0	84.7	<30	9	6	668	1.96	2.6	<5	<1	16	.05	<.2	.1	42	.14	.051	8	12	.17	140	.09	<2	1.48	.01	.04	<2	.1	36	<.3	.1	3.6	<1
52660	.7	6.8	4.5	75.5	<30	9	6	613	2.47	3.0	<5	2	20	.09	.2	.1	53	.21	.046	11	18	.25	116	.11	<2	1.49	.01	.06	<2	.1	36	<.3	.1	3.7	<1
52661	.9	6.0	5.5	168.3	48	11	8	1651	2.46	2.9	<5	<1	30	.21	<.2	.2	50	.25	.118	9	18	.22	216	.11	<2	2.05	.02	.06	<2	.1	45	<.3	.1	5.2	<1
52662	.6	6.8	5.0	111.2	31	13	7	417	2.63	3.7	<5	1	32	.09	<.2	.1	53	.28	.073	8	15	.30	203	.12	<2	2.33	.02	.06	<2	.1	34	<.3	.2	5.3	1
52663	.8	13.9	5.5	148.5	55	13	8	1448	3.00	4.2	<5	<1	30	.14	.3	.2	56	.25	.074	11	19	.28	222	.11	<2	2.31	.01	.08	<2	.1	44	<.3	.3	5.5	1
52664	.5	10.1	5.5	40.6	<30	9	7	401	2.90	8.2	<5	3	44	.04	.5	.2	53	.40	.046	19	20	.25	137	.11	<2	1.18	.03	.10	<2	.1	47	<.3	.2	2.8	3
STANDARD D/AU-S	24.7	118.6	86.5	263.8	1841	29	16	1044	4.52	76.0	19	18	58	2.20	9.5	20.2	63	.64	.084	18	62	1.16	250	.14	25	2.34	.08	.73	19	2.3	461	.8	2.6	6.6	47

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
52665	1.0	7.3	8.5	105.3	85	10	7	863	2.68	4.2	<5	2	19	.28	<.2	.1	48	.20	.134	9	17	.22	200	.08	<2	1.93	.01	.07	<2	<.1	57	<.3	.1	5.9	1
52666	1.1	101.8	17.4	61.2	73	5	13	1066	4.93	5.0	<5	1	22	3.25	.7	<.1	134	.36	.041	14	13	.89	231	.01	5	2.42	.01	.12	2	<.1	144	<.3	.1	8.8	30
52667	.9	14.9	7.1	78.2	101	5	12	1003	4.02	3.3	<5	<1	32	.20	.2	<.1	109	.41	.060	5	15	1.19	267	.02	3	2.61	.01	.05	<2	<.1	68	<.3	.1	10.1	1
52668	2.4	30.1	14.3	116.6	477	6	11	2300	3.44	2.4	<5	1	22	.57	<.2	<.1	70	.31	.113	8	20	.64	345	.06	3	2.68	.01	.06	<2	<.1	89	<.3	<.1	9.7	1
52669	1.6	15.9	7.7	45.1	31	4	5	184	2.84	1.9	<5	1	11	.06	.3	<.1	59	.12	.015	7	12	.19	106	.06	5	1.13	.01	.04	<2	<.1	47	<.3	<.1	4.0	1
52670	.6	7.4	5.5	49.7	<30	10	7	320	2.80	4.2	<5	2	22	.07	<.2	<.1	63	.24	.026	7	21	.33	116	.10	<2	1.62	.01	.05	<2	<.1	28	<.3	<.1	4.5	<1
52671	.6	11.0	5.3	37.5	33	5	7	299	3.09	5.0	5	1	20	.05	.3	<.1	71	.29	.031	7	11	.21	184	.06	<2	1.44	.02	.09	<2	<.1	38	<.3	<.1	3.9	1
52672	.6	6.9	6.5	41.9	<30	7	5	303	2.78	7.7	<5	1	18	.05	<.2	<.1	59	.26	.058	6	19	.26	89	.12	<2	1.27	.02	.06	<2	<.1	23	<.3	<.1	3.3	<1
52673	.6	3.8	7.4	76.4	46	4	4	643	1.95	<.5	<5	1	15	.16	<.2	<.1	42	.20	.047	7	14	.16	185	.07	2	.95	.01	.08	<2	<.1	26	<.3	<.1	3.1	1
52674	.6	4.9	6.3	46.7	45	6	5	669	2.08	1.9	<5	1	16	.06	<.2	.1	42	.20	.065	6	14	.20	111	.09	16	1.07	.02	.07	<2	<.1	28	<.3	.1	3.2	1
52675	.7	13.9	7.0	143.0	172	8	7	1628	2.75	3.8	<5	1	75	.42	<.2	.2	37	.74	.030	10	20	.39	265	.04	7	1.93	.02	.10	<2	<.1	63	.4	.1	4.2	1
52676	.6	7.5	6.4	52.3	95	6	5	473	2.17	1.5	5	2	15	.06	<.2	.1	47	.20	.041	7	17	.21	107	.12	5	1.22	.01	.07	<2	<.1	41	<.3	.1	3.5	<1
52677	1.5	28.4	6.1	47.8	182	5	7	668	3.09	6.0	<5	1	13	.10	.2	<.1	49	.19	.043	6	13	.21	83	.06	<2	1.03	.01	.08	<2	<.1	44	<.3	<.1	3.2	2
RE 52677	1.6	30.1	7.2	49.4	165	4	8	697	3.07	3.8	<5	1	14	.10	<.2	.1	50	.20	.046	5	10	.21	85	.08	8	1.12	.01	.09	<2	<.1	36	<.3	<.1	2.8	13
52678	4.4	37.5	6.1	53.6	145	5	8	895	3.36	11.1	<5	<1	25	.26	.4	<.1	47	.44	.044	8	9	.20	196	.07	<2	.93	.01	.11	<2	<.1	57	<.3	.1	2.6	<1
52679	1.0	8.4	6.2	52.0	123	5	6	490	2.65	7.6	<5	1	13	.12	<.2	.1	50	.20	.028	7	15	.22	108	.10	20	.97	.02	.09	<2	<.1	23	<.3	.1	3.4	3
52680	1.5	23.6	8.9	121.9	187	7	10	1231	3.65	7.0	<5	1	44	.53	.3	.2	50	.91	.067	18	18	.29	374	.05	5	1.26	.01	.25	<2	<.1	86	<.3	.3	3.5	1
52681	1.4	6.4	7.0	86.9	167	2	7	882	3.66	1.2	7	2	9	.14	<.2	.3	45	.15	.041	9	7	.27	211	.01	3	1.72	.01	.08	<2	<.1	64	<.3	.2	6.6	1
52682	1.6	22.9	9.0	116.6	208	3	13	2674	4.68	5.6	<5	<1	26	.38	.3	.3	37	.73	.087	21	25	.43	982	<.01	<2	1.94	.01	.19	<2	<.1	102	.4	.5	5.1	2
52683	.8	6.8	6.7	97.5	69	6	6	590	2.81	2.4	<5	<1	18	.12	<.2	.2	53	.24	.043	6	20	.28	253	.06	<2	1.60	.01	.07	<2	<.1	57	<.3	.1	5.0	<1
52684	.8	5.4	7.5	150.0	53	9	7	980	2.22	1.2	<5	1	15	.12	<.2	.1	46	.19	.114	8	16	.20	118	.11	<2	1.48	.01	.06	<2	<.1	47	<.3	.1	4.8	<1
52685	.7	5.7	6.9	47.2	38	6	5	441	2.14	1.9	<5	1	18	.08	<.2	<.1	48	.22	.043	7	16	.18	61	.11	<2	1.06	.01	.06	<2	<.1	54	<.3	<.1	4.0	<1
52686	.8	7.5	7.0	70.9	70	9	7	433	2.95	6.0	<5	1	18	.11	.2	.1	58	.21	.102	7	16	.28	73	.10	<2	1.37	.01	.05	<2	<.1	45	<.3	.2	5.3	<1
52687	.8	5.4	6.5	55.3	61	5	6	511	2.66	1.7	<5	1	21	.14	<.2	.1	60	.21	.114	7	21	.16	79	.11	<2	.93	.01	.04	<2	<.1	28	<.3	.1	4.8	<1
52688	.7	5.9	6.6	59.2	<30	6	6	595	2.45	1.8	11	2	16	.11	<.2	.1	51	.21	.100	7	17	.20	76	.10	10	1.11	.01	.05	<2	.1	43	<.3	.1	4.3	<1
52689	.7	9.7	6.3	80.6	<30	11	7	418	2.97	5.3	<5	1	16	.08	<.2	.1	61	.23	.151	8	22	.30	81	.11	<2	1.64	.01	.06	<2	<.1	61	<.3	.1	3.8	1
52690	.8	11.5	7.0	62.1	<30	12	8	655	3.14	5.5	<5	1	27	.08	<.2	<.1	65	.32	.049	10	16	.38	133	.10	<2	1.86	.02	.07	<2	<.1	58	<.3	.1	4.8	<1
52691	.9	8.5	7.5	85.1	64	13	9	848	3.09	3.8	<5	2	26	.15	<.2	.1	60	.32	.052	10	18	.37	148	.11	<2	1.99	.02	.10	<2	<.1	48	<.3	.1	6.0	<1
52692	1.7	15.5	2.7	28.7	91	4	3	673	.72	1.2	<5	1	189	.53	<.2	<.1	13	3.16	.054	4	7	.25	95	.02	6	.45	.01	.05	<2	<.1	144	1.4	.1	.7	1
52693	.9	5.8	5.6	130.8	54	7	15	571	4.79	.5	<5	1	24	.13	<.2	.1	91	.45	.036	4	13	1.11	157	.01	2	3.06	.01	.09	<2	<.1	81	<.3	.1	10.0	9
52694	1.2	25.1	6.6	77.1	<30	7	15	338	3.77	5.1	<5	<1	65	.12	<.2	.1	68	.77	.026	19	9	.74	212	<.01	3	1.96	.02	.09	<2	<.1	98	<.3	<.1	5.1	1
52695	.9	17.0	5.8	64.8	62	8	16	812	5.67	15.5	<5	<1	22	.21	2.0	.1	92	.57	.069	13	21	.26	281	.02	<2	1.49	.01	.14	<2	.1	95	.3	.2	3.5	<1
52696	.7	5.8	5.3	92.6	49	4	6	543	3.12	1.5	7	2	12	.12	<.2	<.1	53	.19	.041	6	16	.29	190	.02	3	1.28	.01	.08	<2	<.1	35	<.3	<.1	3.9	11
52697	1.2	16.1	9.5	92.7	83	3	8	2161	3.95	1.4	7	1	33	.38	<.2	.1	41	1.07	.067	23	20	.45	718	<.01	3	1.79	.01	.14	<2	<.1	82	<.3	<.1	4.8	<1
STANDARD	23.2	118.8	84.2	262.4	1844	28	15	932	4.46	75.5	18	20	58	2.17	9.4	21.6	63	.64	.086	18	60	1.17	248	.14	33	2.32	.08	1.17	20	2.1	491	1.2	2.6	6.6	50

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
52698	.5	4.8	5.7	69.0	39	10	5	478	3.19	2.7	<5	3	24	.06	<.2	.2	64	.32	.169	9	22	.26	152	.13	13	1.40	.01	.07	<2	.1	62	<.3	<.1	2.7	2
52699	.5	5.5	4.7	37.4	<30	9	4	173	2.32	3.2	<5	3	23	.03	<.2	.1	50	.25	.035	11	22	.20	81	.15	2	1.11	.01	.05	<2	<.1	16	<.3	.1	2.7	<1
52700	.9	4.8	6.1	78.7	40	7	5	396	2.29	2.2	<5	2	21	.05	<.2	.1	50	.26	.071	9	17	.20	98	.11	<2	1.30	<.01	.05	<2	.1	46	<.3	.1	2.9	6
RE 52700	.9	5.3	6.3	80.0	54	5	5	410	2.29	2.6	<5	2	21	.05	<.2	.2	50	.26	.076	9	18	.20	98	.11	<2	1.33	.01	.05	<2	.1	42	<.3	<.1	3.3	1

Sample type: SOIL. 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

GEOCHEMICAL EXTRACTION-ANALYSIS CERTIFICATE

Phelps Dodge Corp. PROJECT 248 File # 95-2288 Page 1

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Sc ppm	Te ppm	Ga ppm	Au+ ppb
46697	.9	24.1	6570.7	249.8	626	6	18	898	4.93	46.8	<5	2	63	1.70	1.0	.5	33	3.37	.043	1	<1	1.12	57	<.01	6	2.60	.01	.09	<2	.3	450	.3	2.0	2.3	30
46698	5.6	5.9	14.6	25.0	1983	6	7	1730	2.52	29.5	<5	1	48	.03	.8	.1	31	4.92	.024	4	5	.73	166	<.01	<2	.85	<.01	.09	<2	.1	13	.5	.4	3.7	194
46699	1.4	2.3	9.4	114.1	54	8	13	1481	5.96	9.2	<5	5	25	.21	.3	1.8	58	.91	.282	53	<1	.20	105	.03	<2	.69	.05	.11	<2	<.1	151	<.3	.3	2.1	14
46700	.7	6.4	912.6	91.2	76	4	12	1022	4.70	5.4	<5	2	20	.24	1.0	.4	73	.37	.070	7	11	1.22	245	.02	<2	2.88	.03	.09	<2	.3	83	<.3	.4	6.9	31
51551	1.3	14.5	10.6	84.5	1300	5	6	579	3.11	86.6	<5	2	22	.07	1.4	.1	42	.34	.080	19	2	.68	138	.09	<2	.94	.02	.11	<2	<.1	17	.3	.2	6.5	95
51552	4.1	8.2	13.4	10.3	31	12	2	375	.93	8.1	<5	2	38	.04	.2	1.2	6	1.02	.069	8	15	.10	21	.01	6	.20	<.01	.03	4	<.1	6	<.3	.2	<.5	9
51553	1.5	2.5	832.4	63.7	76	4	8	312	2.02	5.7	<5	3	6	.13	.2	.2	30	.11	.042	21	<1	.98	25	<.01	2	1.24	.05	.04	<2	.1	74	<.3	.3	6.5	5
51554	1.1	25.8	9.7	52.5	537	30	31	764	3.26	55.6	<5	1	165	.18	8.8	.2	59	2.28	.209	47	25	.37	53	.47	<2	.99	<.01	.22	2	.2	222	<.3	.4	4.1	19
51555	2.4	12.3	4.7	35.5	83	14	10	938	1.02	57.6	<5	1	264	.18	4.0	.2	17	4.59	.008	7	7	.09	14	.02	2	.23	<.01	.07	3	.1	284	<.3	<.1	.6	8
51556	1.3	20.6	200.7	49.3	188	12	10	976	2.48	19.7	<5	<1	198	.15	4.1	.1	40	2.30	.125	28	19	.24	30	.20	<2	.76	<.01	.23	2	.1	816	<.3	.2	3.6	22
RE 51556	1.3	21.6	223.9	53.3	206	13	10	1070	2.68	20.4	<5	<1	215	.16	4.3	.1	44	2.48	.136	31	17	.26	30	.24	<2	.84	<.01	.26	2	.2	854	<.3	.3	3.7	9
RRE 51556	1.1	22.1	7.0	45.0	219	13	11	992	2.63	23.8	<5	<1	212	.13	4.6	.1	43	2.37	.136	31	19	.25	27	.22	<2	.83	<.01	.25	<2	.2	813	<.3	.2	4.0	10
52401	1.2	228.8	15.5	80.7	451	9	23	1413	6.93	6.3	<5	2	109	.31	1.5	.1	127	3.24	.087	11	51	2.92	1578	.07	4	2.31	.04	.03	<2	.1	48	<.3	<.1	11.5	2
52402	.9	37.1	147.9	113.0	85	10	23	1436	6.74	2.9	<5	2	87	.12	1.3	<.1	158	2.06	.071	9	23	2.51	122	.19	3	2.10	.09	.05	<2	<.1	40	<.3	.2	9.2	2
52403	.5	22.2	9.6	44.6	221	5	17	649	2.52	27.3	<5	1	24	.10	5.5	.2	22	.34	.026	8	24	.56	1014	<.01	<2	1.39	<.01	.15	<2	.1	137	<.3	.2	1.8	36
52404	.6	57.0	5.3	84.1	86	81	32	1165	6.53	9.3	<5	1	284	.14	1.1	.1	114	3.60	.101	9	196	3.26	1324	.12	<2	3.25	.18	.05	<2	<.1	20	<.3	.2	10.7	2
52405	1.3	436.9	34.3	118.7	235	3	10	1141	5.41	1.2	<5	1	42	.15	2.6	<.1	55	2.61	.069	9	19	.79	761	<.01	<2	1.43	.05	.17	<2	.1	33	<.3	.3	4.5	135
52406	1.1	39.3	3.6	45.8	95	3	8	1147	2.88	9.4	<5	2	64	.16	.3	<.1	53	5.29	.078	8	<1	1.16	83	<.01	6	2.25	.02	.12	<2	<.1	21	<.3	.2	5.3	10
52407	.5	3.7	8.6	261.0	<30	4	18	3335	7.27	13.7	<5	<1	145	2.18	<.2	.1	30	13.11	.023	3	<1	6.51	230	<.01	<2	.48	.01	.06	<2	.2	75	.3	.2	.5	3
52408	.3	4.4	106.5	152.5	31	8	30	3471	7.71	2.4	<5	<1	91	1.05	1.1	<.1	23	16.39	.018	3	<1	9.39	51	.01	<2	.71	.01	.03	<2	.1	21	<.3	.4	1.1	2
52409	2.3	3.6	9.7	90.0	46	8	12	1668	3.33	4.6	5	2	33	.74	.5	.2	15	5.22	.018	2	5	3.11	216	<.01	7	.33	.01	.01	<2	<.1	<5	<.3	.5	.5	1
52410	1.3	1.3	5.2	79.9	67	1	1	468	.90	3.5	<5	15	8	.09	<.2	<.1	5	.74	.007	45	5	.30	45	.05	<2	.25	.04	.07	<2	.1	<5	<.3	.3	<.5	7
RE 52410	1.2	1.2	5.7	80.2	70	2	1	465	.89	3.2	<5	17	8	.08	.3	.2	6	.72	.007	47	6	.29	45	.05	5	.26	.04	.07	<2	.1	<5	<.3	.2	.6	2
RRE 52410	1.5	1.8	78.0	81.5	135	2	1	496	.97	3.3	<5	15	7	.11	.4	.1	5	.90	.007	46	<1	.38	42	.05	<2	.28	.05	.08	<2	.1	14	<.3	.7	1.1	4
52411	1.1	30.7	2.6	66.0	<30	18	24	509	6.96	2.2	<5	2	65	.15	<.2	.1	120	1.86	.232	18	14	2.15	86	.51	3	2.38	.20	.24	<2	<.1	23	<.3	.2	10.5	2
52412	.4	5.4	4.7	55.2	59	10	22	1174	6.25	5.2	<5	1	388	.11	.5	.2	77	9.83	.062	8	<1	5.35	220	.02	3	.53	.02	.07	<2	<.1	22	<.3	.3	1.8	2
52413	1.3	13.2	19.5	83.4	53	2	9	2877	5.81	55.1	12	1	127	.28	2.0	.3	27	9.19	.033	11	19	4.20	973	<.01	2	.44	.01	.09	<2	.2	553	<.3	.6	<.5	4
52414	1.7	3.5	3.2	65.3	40	3	8	1510	4.90	268.7	<5	1	38	.12	1.5	<.1	27	6.59	.053	13	4	.56	419	<.01	3	.88	.01	.11	<2	.2	336	<.3	.6	1.4	4
52415	.8	10.5	12.1	79.4	266	4	17	3256	5.53	19.5	<5	<1	139	.72	2.9	.2	16	12.78	.018	6	44	7.04	2402	<.01	<2	.20	.01	.03	<2	.2	38	.5	.6	.9	8
52417	.4	172.0	21.2	74.7	570	5	22	3698	6.29	7.4	<5	<1	172	.72	6.6	<.1	13	18.92	.014	5	22	8.87	1403	<.01	<2	.23	.01	.01	<2	<.1	196	.3	.4	<.5	2
52418	4.0	1371.5	8.4	166.9	1175	8	31	2111	8.03	38.1	<5	1	114	.88	131.2	<.1	120	6.81	.027	10	<1	2.41	130	<.01	<2	.39	.01	.05	<2	<.1	2134	.7	1.8	<.5	223
52419	.7	19.5	13.9	72.9	114	1	12	3114	4.84	32.0	<5	<1	197	.41	1.4	<.1	27	14.03	.030	13	23	2.30	1470	<.01	<2	.36	.01	.05	<2	.1	90	<.3	.3	<.5	4
52420	.6	15.2	6.2	27.7	55	1	5	2704	2.57	12.0	<5	1	174	.39	.4	.2	25	13.35	.037	18	19	.33	914	<.01	<2	.52	.02	.07	<2	<.1	26	.3	.3	1.3	5
52421	.4	7.6	2.6	94.5	<30	5	7	933	5.75	4.9	<5	1	56	.10	2.1	.1	71	2.06	.080	16	8	1.12	74	<.01	<2	1.49	.03	.12	<2	<.1	214	.3	.4	5.2	6
STANDARD D/AU-R	22.8	119.9	88.7	263.4	1883	27	15	951	4.66	72.0	20	21	59	2.27	9.6	22.8	63	.72	.086	18	54	1.18	229	.14	27	2.40	.07	.75	18	1.9	431	.9	2.4	6.7	516

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

DATE RECEIVED: JUL 12 1995 DATE REPORT MAILED: July 22/95 SIGNED BY. . . . . D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
52422	1.0	27.2	5.9	39.0	79	13	20	506	3.39	135.8	<5	1	70	.14	1.2	.1	91	.89	.181	32	34	.11	250	.05	<2	.71	.13	.12	<2	.1	14	<.3	.2	3.8	9
52423	1.1	24.4	19.3	93.5	147	26	17	1032	5.29	9.6	6	2	83	.26	1.6	<.1	98	1.14	.189	37	27	.28	144	.06	3	.88	.17	.07	<2	.3	19	<.3	<.1	5.3	3
52424	3.1	10.8	2.8	32.7	141	6	6	194	3.74	3.4	6	4	57	.06	.8	<.1	99	.51	.120	21	11	.13	148	.36	<2	.98	.09	.13	<2	.2	18	<.3	.1	6.5	3
52425	.9	16.4	3.1	18.0	68	7	5	110	4.37	225.4	<5	4	340	.02	.5	<.1	48	.50	.085	16	29	.20	324	.10	4	1.88	.18	.76	<2	.2	19	<.3	<.1	5.9	2
52426	1.6	15.9	12.8	10.3	97	3	3	105	3.46	202.4	<5	5	313	.02	.7	.1	55	.44	.078	27	21	.16	163	.06	5	1.45	.29	.38	<2	.4	19	<.3	.1	5.6	<1
52427	2.2	4.1	5.9	48.2	146	3	<1	309	.92	11.4	<5	8	7	.05	.5	<.1	2	.04	.009	14	6	.01	28	.01	<2	.20	.05	.09	<2	.1	<5	<.3	<.1	1.1	1
52428	2.6	11.2	4.5	193.1	<30	36	26	2719	12.17	7.3	<5	4	57	.42	<.2	.5	84	.53	.141	28	1	.18	147	.04	3	.35	.07	.12	<2	<.1	33	.6	.3	1.3	1
52429	2.8	3.7	29.4	90.7	<30	15	6	615	3.52	21.0	7	4	14	.12	2.6	.1	12	.04	.022	16	14	.02	51	<.01	6	.38	<.01	.03	2	.1	1431	.3	<.1	.9	1
52430	6.0	3.4	7.0	21.6	202	4	1	66	.43	50.9	<5	3	10	.02	4.4	<.1	2	.04	.004	19	2	.01	106	<.01	3	.27	<.01	.06	<2	.1	900	<.3	.2	2.2	28
52431	9.0	2.8	8.5	136.7	152	16	8	832	3.87	68.1	<5	3	13	.09	4.4	.1	14	.04	.012	19	5	.02	55	<.01	<2	.39	<.01	.06	<2	.2	1878	.3	.1	2.7	8
52433	1.0	13.9	18.5	85.2	68	3	10	856	4.57	7.7	<5	3	13	.08	.5	<.1	74	.40	.089	28	3	1.42	62	.17	6	1.45	.05	.12	2	<.1	50	<.3	<.1	11.9	2
52434	1.1	21.4	6.9	99.5	56	5	8	1144	4.62	7.0	<5	3	22	.18	.3	<.1	91	.51	.083	29	9	1.52	93	.41	6	1.27	.08	.08	2	.2	25	<.3	<.1	14.2	1
RE 52434	1.2	22.9	6.5	102.8	55	5	9	1167	4.75	6.9	<5	2	23	.20	.3	.1	94	.53	.086	30	11	1.58	97	.42	5	1.31	.08	.08	<2	<.1	10	<.3	<.1	14.3	1
RRE 52434	.9	22.5	6.3	102.7	63	5	9	1157	4.57	8.8	<5	1	22	.19	.2	<.1	90	.51	.085	30	9	1.55	91	.40	<2	1.28	.07	.08	<2	.1	18	<.3	<.1	14.1	1
52435	1.4	16.3	18.4	89.2	30	4	7	915	4.02	7.4	<5	2	26	.16	<.2	<.1	87	.42	.112	31	8	.94	179	.20	4	.89	.10	.10	2	.1	12	<.3	<.1	8.9	2
52436	.7	4.9	9.6	54.8	<30	3	2	1133	2.33	4.7	<5	1	29	.17	.3	<.1	28	2.08	.060	38	6	.20	118	.05	<2	.53	.05	.19	<2	<.1	<5	.4	<.1	2.8	21
52437	.3	46.0	8.8	74.0	<30	13	17	930	4.58	.8	<5	1	139	.24	<.2	<.1	61	1.41	.069	23	17	1.26	81	.02	6	2.04	.05	.21	2	<.1	22	.5	<.1	5.3	3
52438	.5	53.3	9.9	76.9	<30	14	17	926	4.89	.8	<5	1	134	.15	<.2	.2	72	1.33	.068	21	14	1.12	84	.09	3	1.91	.05	.20	2	.1	5	.3	<.1	6.4	3
52439	.4	39.4	7.5	62.4	104	6	12	707	3.67	.9	5	2	122	.10	.3	<.1	48	.89	.036	25	10	.74	75	.02	4	1.59	.05	.18	<2	.1	<5	.3	<.1	5.4	3
52440	.4	34.3	10.4	57.5	132	5	9	677	3.54	5.0	<5	2	109	.18	.3	<.1	35	1.11	.044	19	5	.64	70	.08	<2	1.52	.04	.18	<2	.1	<5	<.3	<.1	4.8	31
52441	.3	31.5	11.4	63.4	107	5	9	771	3.32	2.4	<5	1	101	.13	.3	<.1	36	1.42	.044	21	2	.66	65	.22	<2	1.47	.04	.17	2	.1	<5	<.3	<.1	5.7	2
52442	.8	39.7	15.5	53.1	156	6	14	717	3.26	9.5	<5	1	92	.16	1.0	<.1	39	1.52	.071	20	7	.53	89	.14	<2	1.34	.04	.20	9	.1	17	<.3	<.1	4.8	15
52443	.3	29.6	9.3	66.4	200	5	10	776	3.30	1.7	<5	1	77	.11	.8	<.1	36	.80	.041	23	<1	.68	65	.24	<2	1.47	.03	.18	3	.2	<5	<.3	.2	7.7	2
52444	.3	18.0	8.1	68.2	51	3	7	687	3.00	3.1	<5	3	73	.12	<.2	<.1	27	.74	.030	24	3	.57	69	.21	2	1.47	.03	.22	2	<.1	<5	.4	<.1	4.3	2
RE 52444	.3	19.3	7.7	66.1	222	3	7	663	2.89	2.2	<5	2	71	.11	.7	<.1	25	.72	.030	22	6	.55	64	.20	4	1.39	.03	.21	2	.2	<5	<.3	.1	6.6	2
RRE 52444	.1	18.1	7.0	65.6	92	4	7	654	2.85	3.2	<5	3	71	.13	<.2	.1	25	.67	.027	22	<1	.55	57	.21	4	1.35	.02	.18	2	.1	<5	.5	<.1	5.8	2
52445	.2	69.3	6.9	75.9	294	7	14	1194	5.35	7.4	<5	3	84	.11	.5	<.1	74	.94	.091	20	1	1.12	62	.32	5	2.08	.03	.19	2	<.1	5	.6	<.1	8.2	10
52446	.3	83.4	7.9	70.5	483	6	16	1545	6.84	13.9	<5	4	97	.17	.5	<.1	96	2.16	.141	24	<1	1.30	57	.53	<2	2.18	.04	.16	4	.1	11	.3	<.1	8.3	25
52447	.4	80.9	8.2	74.1	400	7	20	2082	7.05	8.2	<5	3	101	.28	.7	<.1	101	3.63	.129	23	7	1.64	57	.36	2	2.41	.04	.16	4	.1	<5	.3	<.1	10.6	6
52448	9.1	4.8	6.3	34.6	197	7	3	73	1.32	42.9	<5	2	7	.14	9.2	.1	3	.01	.003	18	1	.01	80	<.01	<2	.24	<.01	.06	2	.3	3229	<.3	<.1	1.5	23
52449	4.6	4.1	20.7	77.8	119	46	15	897	5.92	36.7	<5	2	3	.17	10.4	<.1	24	.04	.004	14	2	.09	11	<.01	<2	.26	<.01	.02	2	.2	1280	<.3	<.1	2.3	13
52450	5.3	3.6	6.4	76.7	93	8	4	288	1.76	39.6	<5	3	20	.05	3.4	<.1	6	.06	.004	19	4	.01	220	<.01	<2	.35	<.01	.07	2	.1	921	.3	<.1	2.2	15
52451	.4	44.6	12.0	32.1	331	38	22	723	4.89	6.1	<5	<1	132	.20	2.9	<.1	87	18.83	.038	3	23	1.93	15	<.01	5	1.82	.02	.04	<2	.2	88	<.3	.1	11.2	2
52452	1.4	7.6	18.6	25.7	<30	8	9	551	2.03	8.7	<5	1	276	.10	.3	<.1	59	3.10	.043	6	59	.66	2151	.13	4	1.26	.03	.03	3	<.1	17	<.3	<.1	5.3	1
STANDARD	20.5	120.7	85.4	273.2	1851	28	14	932	4.41	79.1	21	17	59	2.08	9.8	20.2	64	.68	.090	17	54	1.12	229	.15	25	2.26	.08	.72	19	2.3	462	.9	1.9	6.7	522

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
52453	1.3	4.6	3.5	138.8	<30	4	10	558	2.26	2.9	<5	<1	86	.04	.8	<.1	27	1.15	.146	6	2	1.44	85	.15	<2	1.76	.07	.13	<2	.1	24	.3	<.1	6.9	3
52454	.4	3.1	2.7	110.8	49	11	44	2494	8.61	3.6	<5	<1	235	.58	1.0	<.1	50	16.48	.013	3	<1	9.22	50	.01	<2	.38	.01	.01	<2	.1	51	.5	.3	1.9	5
52455	.8	14.3	11.4	70.4	<30	4	11	987	3.87	2.4	7	1	26	.09	1.3	<.1	76	1.27	.060	11	<1	1.31	76	.13	4	1.05	.06	.11	<2	<.1	19	.4	<.1	6.8	3
52456	.9	12.5	12.0	92.6	<30	8	18	1303	5.47	2.6	<5	<1	48	.41	<.2	<.1	129	1.11	.103	13	10	2.24	121	.03	<2	1.98	.08	.09	<2	<.1	13	.5	<.1	13.4	7
52457	.6	42.5	9.8	58.5	131	4	13	985	4.47	7.1	<5	1	43	.37	4.4	.1	116	2.43	.052	10	1	1.02	113	.06	<2	.55	.04	.08	<2	<.1	21	<.3	.1	3.0	5
52458	4.0	51.0	7.5	48.2	208	3	22	523	4.96	3.1	<5	<1	22	.10	.7	.2	59	.49	.097	9	<1	1.02	204	<.01	<2	3.45	.01	.16	<2	<.1	83	.5	.6	5.7	10
52460	.4	53.1	5.3	45.7	55	4	8	618	3.84	2.5	<5	1	10	.06	5.2	<.1	55	.28	.061	16	10	.18	81	.01	2	1.03	.03	.19	<2	.2	63	<.3	<.1	3.1	6
52461	1.4	22.8	5.4	144.1	<30	11	14	2729	7.08	13.1	<5	<1	59	.38	1.3	.2	96	4.34	.037	12	3	.42	111	<.01	<2	.54	.02	.09	<2	<.1	134	.6	<.1	1.1	3
52462	1.0	124.2	9.0	63.3	171	5	11	492	4.74	25.0	5	<1	25	.09	3.2	.3	53	1.09	.069	14	1	.29	51	<.01	3	.90	.02	.17	<2	.1	370	.3	.7	3.1	49
52463	.7	42.0	8.9	79.8	223	7	17	2251	5.49	15.1	<5	<1	58	.31	2.7	.2	58	6.62	.046	10	2	1.30	134	<.01	<2	.62	.01	.15	<2	.2	157	<.3	.7	2.5	21
RE 52463	.7	39.5	8.2	83.1	229	7	19	2329	5.77	13.8	<5	<1	61	.32	2.1	.5	61	6.97	.048	11	<1	1.38	138	<.01	<2	.69	.01	.17	<2	.2	171	.4	.5	2.2	20
RRE 52463	.9	44.5	7.4	83.5	257	7	18	2276	5.57	13.0	<5	<1	59	.33	3.2	.5	61	6.70	.046	12	<1	1.33	110	<.01	<2	.66	.01	.15	<2	.3	164	<.3	.8	2.5	24
52464	.4	7.0	12.6	119.1	147	7	17	2066	5.39	3.0	7	<1	84	.77	2.8	.1	47	8.30	.056	8	21	5.70	1115	.03	<2	.71	.03	.15	<2	.2	30	<.3	.4	3.2	7
52465	1.2	20.4	4.6	93.0	<30	2	9	830	3.16	1.4	<5	<1	10	.18	1.7	.2	49	.30	.061	9	<1	.14	211	<.01	2	.76	.01	.21	<2	.1	21	<.3	<.1	1.5	7
52466	.6	34.0	4.1	89.5	224	8	30	1126	5.16	4.9	<5	1	30	.09	2.9	.2	68	.59	.084	15	<1	.56	140	.01	5	1.30	.03	.22	<2	<.1	229	<.3	.4	4.7	8
52467	.5	224.2	3.9	89.2	170	7	21	966	5.04	1.9	<5	<1	65	.12	1.3	.2	79	2.43	.091	17	9	2.19	115	.01	<2	2.21	.03	.23	<2	.1	45	.3	.3	10.5	12
52468	1.0	2251.4	3.3	64.9	312	9	30	1024	4.99	2.8	<5	<1	36	.29	1.5	<.1	71	2.34	.087	18	14	1.18	173	<.01	<2	1.72	.04	.22	<2	.5	54	<.3	.1	7.9	96
52469	.3	13.0	3.6	92.8	<30	2	7	1299	3.11	1.0	<5	1	39	.05	.8	<.1	44	2.26	.062	16	4	1.43	72	<.01	3	2.05	.04	.19	<2	.2	21	<.3	.3	8.9	12
52470	1.8	100.3	7.0	70.0	187	3	11	742	3.62	1.1	<5	1	48	.09	.4	<.1	54	.95	.063	14	2	1.34	189	.03	4	1.80	.08	.13	<2	<.1	33	.7	.4	9.3	8
52471	.3	25.9	5.1	90.9	<30	6	14	1038	4.52	4.8	<5	<1	53	.29	.9	.2	91	2.75	.032	6	3	.77	303	.02	2	1.65	.06	.15	<2	.1	40	<.3	.1	5.5	6
52472	1.7	5.9	8.9	75.8	5801	3	1	261	1.20	14.8	<5	3	10	.08	1.4	.3	8	.14	.046	41	4	.06	59	.02	5	.56	.05	.17	<2	.2	27	<.3	.1	2.6	1401
STANDARD	22.8	121.0	83.4	273.8	1882	28	15	968	4.19	77.7	22	20	60	2.28	9.4	19.2	66	.67	.088	17	58	1.21	232	.15	27	2.40	.07	.76	19	1.8	465	1.1	2.0	6.6	512

Standard is STANDARD D/AU-R. 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

GEOCHEMICAL EXTRACTION-ANALYSIS CERTIFICATE

Phelps Dodge Corp. PROJECT 248 File # 95-2158 Page 1

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
52239	.6	8.7	6.4	112.7	83	13	4	823	2.62	3.1	<5	3	25	.17	.2	<.1	57	.41	.134	6	17	.27	183	.08	<2	1.70	.01	.07	<2	.1	77	<.3	<.1	5.2	2
52240	.7	4.7	5.9	54.8	<30	9	3	785	1.87	1.0	<5	2	16	.09	<.2	<.1	46	.21	.051	6	14	.15	114	.09	4	.99	.01	.05	<2	.1	38	<.3	<.1	3.9	2
52241	.5	6.3	5.9	47.1	41	9	5	352	2.19	1.6	<5	1	21	.07	<.2	<.1	50	.25	.034	6	15	.26	113	.10	3	1.54	.01	.06	<2	.2	45	<.3	<.1	4.5	4
52242	.5	4.6	4.8	51.3	<30	8	4	462	2.45	1.3	<5	2	15	.06	<.2	<.1	59	.24	.065	6	18	.19	97	.11	2	1.29	.01	.05	<2	.1	25	<.3	<.1	3.6	3
52243	.8	8.0	6.1	91.8	65	10	6	458	3.03	2.6	<5	1	24	.13	<.2	<.1	68	.29	.063	6	19	.29	167	.08	<2	1.78	.01	.06	<2	.1	46	<.3	<.1	5.4	4
52244	.4	5.3	5.0	39.4	40	6	5	320	2.40	1.3	<5	1	18	.07	.2	<.1	57	.36	.033	5	16	.22	107	.09	2	.99	.01	.07	<2	.1	30	<.3	<.1	3.5	4
52245	.9	9.4	6.4	67.0	57	8	4	620	3.70	2.7	<5	1	20	.10	.4	<.1	66	.35	.064	5	14	.19	231	.08	<2	1.18	.01	.05	<2	.1	38	<.3	<.1	3.8	4
52246	.7	7.8	5.9	68.3	52	10	6	686	3.29	2.0	<5	1	19	.19	.3	<.1	69	.39	.054	5	18	.24	213	.08	<2	1.20	.01	.07	<2	.1	40	<.3	<.1	3.6	4
52247	.6	7.8	4.7	46.2	63	5	4	508	2.87	2.9	<5	1	16	.09	.4	<.1	65	.35	.022	4	15	.24	138	.08	4	.94	.01	.06	<2	.1	34	<.3	<.1	3.2	3
RE 52247	.5	7.7	3.9	46.3	61	5	3	518	2.73	3.1	<5	1	16	.10	.4	<.1	61	.36	.021	4	13	.23	134	.07	4	.90	.01	.06	<2	.1	39	<.3	<.1	3.0	4
52248	.7	13.6	4.9	62.7	123	4	6	313	3.84	3.6	<5	1	17	.12	.6	.1	79	.40	.028	5	14	.29	183	.05	2	1.28	.01	.09	<2	.1	51	<.3	<.1	3.8	4
52249	.7	8.2	6.2	62.7	37	6	6	777	3.50	2.4	<5	1	18	.09	.3	<.1	64	.38	.022	7	14	.33	203	.05	2	1.50	.01	.11	<2	.1	43	<.3	<.1	3.7	5
52250	.5	7.3	5.9	85.1	52	7	5	417	2.95	.5	<5	1	22	.11	.3	<.1	64	.43	.061	7	18	.30	218	.10	2	1.38	.01	.16	<2	.1	40	<.3	<.1	3.6	6
52251	.6	7.9	6.6	57.4	48	8	5	553	3.33	4.1	<5	1	19	.09	.5	<.1	67	.37	.025	7	16	.25	285	.11	<2	1.02	.01	.09	<2	.1	38	<.3	<.1	2.8	2
52252	.7	6.1	6.5	55.1	37	13	5	692	2.21	1.1	<5	2	21	.07	<.2	<.1	50	.24	.103	8	16	.18	110	.11	<2	1.36	.01	.06	<2	.1	33	<.3	<.1	4.2	<1
52253	.7	6.4	6.1	65.4	62	11	5	635	2.30	2.0	<5	2	24	.07	<.2	<.1	55	.26	.081	9	18	.20	104	.12	2	1.40	.01	.05	<2	.1	54	<.3	<.1	4.1	<1
52254	.6	5.7	5.5	72.5	<30	12	6	577	2.23	1.5	<5	1	43	.10	<.2	<.1	52	.60	.082	8	18	.21	147	.12	<2	1.36	.02	.09	<2	.1	38	<.3	<.1	3.8	6
52255	.5	4.7	6.0	67.3	<30	12	5	429	1.99	1.4	<5	1	23	.06	<.2	<.1	45	.27	.105	9	16	.17	109	.10	<2	1.40	<.01	.07	<2	.1	35	<.3	<.1	3.7	1
52256	.4	5.5	5.5	52.3	<30	6	4	488	1.83	1.2	<5	2	19	.06	<.2	<.1	43	.21	.070	9	15	.15	102	.10	2	1.16	.01	.06	<2	.2	35	<.3	<.1	4.0	5
52257	.5	5.0	5.7	89.2	31	12	5	503	1.93	1.2	<5	1	26	.09	<.2	<.1	44	.29	.068	7	15	.22	91	.11	<2	1.47	<.01	.06	<2	<.1	18	<.3	<.1	4.5	1
52258	.5	4.5	5.6	90.9	56	12	6	560	1.97	1.8	<5	1	24	.07	<.2	<.1	47	.29	.061	8	16	.23	108	.12	2	1.63	.01	.05	<2	<.1	35	<.3	<.1	4.0	4
52259	.6	6.5	6.5	62.4	39	13	5	465	2.30	4.3	<5	2	34	.07	<.2	<.1	51	.34	.065	10	19	.20	138	.10	3	1.68	.01	.15	<2	.1	36	<.3	<.1	4.5	1
52260	.7	8.2	5.9	81.3	<30	9	4	875	2.42	2.6	<5	2	26	.11	<.2	<.1	56	.33	.085	7	17	.27	115	.11	<2	1.12	.01	.05	<2	<.1	26	<.3	<.1	3.7	2
52261	.6	6.4	5.4	35.5	<30	6	4	303	2.43	2.9	<5	1	22	.04	<.2	<.1	60	.25	.020	6	19	.25	100	.12	2	1.40	.01	.06	<2	.1	29	<.3	<.1	4.2	4
52262	.8	13.6	6.4	85.2	97	17	11	1365	3.30	5.1	<5	1	47	.42	<.2	<.1	71	.68	.188	8	31	.74	206	.13	<2	2.14	.01	.06	<2	<.1	112	<.3	<.1	7.3	2
52263	.7	7.7	5.1	73.8	55	11	6	992	2.55	2.4	<5	2	61	.11	<.2	.1	62	1.11	.070	6	18	.28	133	.12	3	1.55	.01	.04	<2	.1	41	<.3	<.1	5.1	99
52264	5.6	34.8	1.9	77.0	193	7	25	12521	2.42	12.0	<5	2	1123	1.22	.6	<.1	18	23.38	.230	5	1	1.11	1078	.01	11	.18	.01	.04	<2	.2	114	2.3	<.1	.6	17
52265	1.4	15.9	5.7	62.7	101	2	8	1205	3.78	2.9	<5	<1	50	.16	.5	<.1	70	.90	.065	11	7	.40	357	.01	2	1.50	.01	.14	<2	.1	73	<.3	<.1	4.7	1
52266	.6	17.0	6.9	66.7	36	8	7	952	3.32	2.7	<5	1	35	.22	.3	<.1	69	.64	.050	13	19	.40	270	.10	2	1.50	.01	.24	<2	<.1	40	<.3	<.1	5.0	3
52267	.4	6.2	5.6	38.6	<30	5	3	297	2.02	1.4	<5	1	22	.06	.2	<.1	51	.34	.022	8	16	.22	159	.13	<2	1.05	.01	.08	<2	.1	31	<.3	<.1	3.8	9
52268	.4	6.1	6.7	58.3	<30	5	4	529	2.11	.9	<5	1	18	.10	.3	<.1	51	.34	.045	8	14	.21	208	.08	2	1.05	.01	.08	<2	<.1	30	<.3	<.1	4.4	2
52270	.4	4.6	6.3	52.0	35	3	4	245	2.06	1.2	<5	1	17	.05	.2	<.1	53	.27	.017	7	14	.20	142	.12	2	.90	.01	.05	<2	<.1	9	<.3	<.1	3.2	1
52271	.7	7.0	5.9	42.7	<30	6	4	630	2.08	2.2	<5	1	50	.11	<.2	<.1	48	.86	.064	5	15	.22	130	.09	<2	1.21	.01	.05	<2	.1	19	<.3	<.1	5.3	1
52272	.8	6.2	6.4	34.0	<30	9	4	190	2.10	4.0	<5	2	41	.07	<.2	<.1	53	.33	.025	9	16	.21	85	.09	<2	1.15	.01	.09	<2	.1	21	<.3	<.1	3.4	1
STANDARD	23.7	111.1	84.9	261.2	1849	34	14	988	4.35	73.0	24	19	56	2.19	8.6	22.3	67	.74	.092	17	52	1.23	227	.15	25	2.52	.05	.80	20	2.6	472	.9	1.9	6.6	52

Standard is STANDARD D/AU-S.

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

- SAMPLE TYPE: SOIL 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: C. Leong ..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
52273	.9	8.6	5.1	47.3	<30	6	7	175	2.42	5.3	<5	2	34	.11	.4	.1	52	.28	.042	11	16	.21	79	.08	<2	1.00	.01	.08	<2	.1	109	<.3	.2	3.0	1
52274	1.7	8.6	5.5	72.1	33	7	7	507	3.08	2.8	<5	1	32	.16	.3	<.1	58	.37	.050	9	15	.26	193	.06	3	1.28	.01	.12	<2	.1	89	<.3	.2	4.0	1
52275	1.1	8.7	5.9	85.8	<30	8	9	1095	2.89	3.4	<5	1	30	.25	.3	<.1	56	.39	.111	11	18	.25	213	.06	3	1.59	.01	.09	<2	<.1	89	<.3	.1	3.8	<1
52276	.8	7.1	4.3	50.3	<30	5	7	378	2.62	2.9	<5	1	18	.10	.3	<.1	59	.28	.059	7	17	.24	138	.08	<2	1.12	.01	.06	<2	<.1	72	<.3	.1	3.4	2
52277	.7	4.8	5.5	69.3	44	4	5	589	2.16	.7	<5	1	18	.11	.3	<.1	46	.27	.117	8	15	.15	141	.09	<2	.99	.01	.05	<2	<.1	60	<.3	.1	3.4	<1
52278	.7	9.9	4.9	49.8	<30	7	5	626	2.46	2.0	<5	1	26	.11	.3	<.1	56	.42	.045	8	17	.25	110	.14	<2	.96	.01	.08	<2	.1	56	<.3	.2	3.0	2
52279	.5	7.6	5.4	50.3	<30	8	6	315	2.74	1.6	<5	2	22	.04	.2	<.1	59	.37	.098	9	21	.26	185	.13	2	1.15	.01	.08	<2	.1	65	<.3	.1	3.2	2
52280	.6	5.4	4.7	44.3	<30	6	6	255	2.49	1.6	<5	2	19	.04	.3	<.1	62	.26	.021	8	19	.19	119	.13	3	.95	.01	.06	<2	.1	41	<.3	.1	2.5	1
52281	.7	8.9	6.6	69.1	<30	7	7	645	3.03	1.7	<5	2	27	.11	.3	<.1	63	.36	.052	14	22	.26	191	.12	2	1.26	.02	.24	<2	.1	43	<.3	<.1	3.4	1
52282	1.0	6.5	5.5	73.4	<30	6	6	429	2.41	1.4	<5	1	28	.09	.4	<.1	51	.31	.099	10	17	.21	178	.09	<2	1.25	.01	.10	<2	.1	36	<.3	.1	3.8	10
52283	1.0	9.6	7.4	262.3	79	4	7	1343	4.57	2.8	<5	1	16	.82	1.0	.1	78	.38	.050	8	12	.30	589	.01	5	1.88	<.01	.10	<2	.1	71	<.3	.1	4.7	4
52284	.6	31.7	7.8	85.7	152	2	9	855	4.59	3.1	<5	1	16	.17	1.4	<.1	85	.65	.078	13	9	.30	526	.01	4	1.43	.01	.12	<2	<.1	142	<.3	.1	3.0	4
52285	.8	24.4	5.6	321.5	670	5	7	535	2.70	8.2	<5	<1	149	.55	1.2	<.1	39	1.84	.116	12	7	.46	435	.01	7	1.79	.01	.14	<2	.1	146	1.4	.1	3.6	4
52286	.9	31.0	5.9	102.7	80	7	14	1837	4.45	2.3	<5	<1	41	.73	.6	<.1	71	1.41	.192	14	10	.36	780	<.01	4	2.73	<.01	.12	<2	.1	152	<.3	.1	6.2	<1
RE 52292	.6	5.5	5.2	77.8	<30	8	7	529	2.42	1.4	<5	2	20	.07	.2	<.1	54	.30	.109	9	18	.19	105	.12	2	1.23	.01	.09	<2	<.1	42	<.3	.2	4.2	2
52287	1.1	6.2	5.5	65.5	<30	6	8	791	2.39	1.9	<5	2	19	.12	.2	<.1	48	.19	.147	10	16	.16	141	.08	11	1.25	.01	.10	<2	.1	49	<.3	<.1	3.3	<1
52288	1.3	9.9	5.8	72.3	<30	9	10	797	3.01	4.1	<5	2	27	.08	.4	.1	61	.28	.173	12	21	.25	165	.09	2	1.21	.02	.08	<2	.1	66	<.3	.1	3.3	1
52289	.7	8.0	5.1	45.5	<30	8	7	413	2.58	4.9	<5	2	38	.06	.5	<.1	55	.45	.059	12	18	.23	99	.10	2	1.02	.02	.17	<2	.1	60	<.3	.1	2.6	<1
52290	.8	12.6	4.9	52.7	37	9	7	337	2.92	3.3	<5	1	23	.09	.3	<.1	61	.36	.151	10	19	.34	105	.12	2	1.42	.02	.07	<2	.1	59	<.3	.1	3.7	14
52291	.6	6.3	4.9	62.9	<30	7	7	251	2.54	2.9	<5	2	21	.06	.2	.1	55	.25	.122	9	19	.20	83	.12	3	1.47	.01	.04	<2	<.1	38	<.3	<.1	4.4	42
52292	.6	4.8	5.1	76.1	<30	7	6	481	2.28	1.3	<5	2	17	.06	<.2	.1	50	.25	.105	8	17	.18	94	.11	2	1.12	.01	.09	<2	.1	28	<.3	<.1	3.8	4
52293	.6	7.1	6.0	44.9	<30	11	6	385	2.44	2.4	<5	2	17	.03	.2	<.1	57	.20	.052	8	18	.23	83	.12	2	1.17	.01	.05	<2	<.1	50	<.3	<.1	2.7	1
52294	.9	5.4	5.5	68.1	<30	8	5	727	2.31	2.2	<5	1	29	.07	.3	<.1	53	.36	.089	8	17	.18	132	.10	<2	1.41	.01	.10	<2	.1	66	<.3	.2	3.5	2
52295	1.0	5.7	7.6	122.8	<30	9	7	673	2.74	1.4	<5	2	20	.10	.3	<.1	61	.28	.062	7	19	.27	168	.12	<2	1.58	.01	.06	<2	.1	53	<.3	<.1	4.7	2
52296	.9	7.4	7.3	147.6	<30	16	9	586	3.34	2.3	<5	2	24	.13	.3	.1	73	.33	.084	8	24	.34	172	.15	<2	2.11	.01	.07	<2	.1	77	<.3	.1	6.3	<1
52297	.7	6.1	7.0	138.1	<30	13	7	579	2.74	2.6	<5	2	19	.11	.3	.1	56	.24	.111	8	20	.28	143	.12	3	1.89	.01	.06	<2	.1	65	<.3	.2	5.7	2
52298	.7	7.1	5.7	94.2	<30	10	7	1242	2.24	1.5	<5	1	25	.10	.2	<.1	49	.28	.079	7	18	.23	181	.10	5	1.44	.01	.05	<2	.1	55	<.3	<.1	3.3	4
52299	1.3	9.0	7.7	132.3	31	17	10	1799	3.39	4.3	<5	1	30	.19	.2	.1	71	.35	.126	9	22	.33	284	.11	4	2.33	.01	.09	<2	.1	95	.3	.1	6.4	4
52341	.7	5.0	4.9	80.5	<30	6	5	666	2.27	1.4	<5	1	16	.07	.2	<.1	48	.19	.154	8	17	.19	116	.08	<2	1.33	.01	.05	<2	.1	21	<.3	<.1	3.6	1
52342	.5	4.8	5.1	54.0	<30	9	6	333	2.30	1.8	<5	1	16	.03	.2	<.1	46	.20	.114	7	19	.22	94	.10	3	1.74	.01	.04	<2	.1	29	<.3	<.1	3.4	4
52343	.8	3.9	6.6	65.6	<30	6	5	434	2.36	1.0	<5	1	17	.05	.2	<.1	51	.21	.056	6	15	.16	152	.10	42	1.32	.02	.04	<2	.1	32	<.3	<.1	3.8	2
52344	.8	4.3	5.9	71.3	<30	5	5	398	2.32	1.6	<5	1	16	.06	.3	.1	56	.21	.039	7	16	.19	152	.08	9	1.31	.01	.04	<2	.1	33	<.3	<.1	4.3	48
52345	.7	7.1	6.3	90.6	<30	9	6	810	3.03	2.3	<5	1	15	.09	.2	.1	65	.23	.078	7	20	.27	161	.09	<2	1.77	.01	.05	<2	.1	33	<.3	<.1	3.7	2
52346	.7	5.9	5.6	75.9	<30	8	6	590	2.91	1.8	<5	2	13	.05	.3	<.1	65	.18	.124	8	19	.22	94	.10	2	1.48	.01	.04	<2	.1	34	<.3	<.1	3.7	4
STANDARD D/AU-S	23.9	116.0	81.9	284.0	1835	28	15	954	4.54	72.8	24	20	57	2.16	9.3	20.1	68	.71	.097	19	52	1.20	246	.15	27	2.37	.05	.77	19	2.1	451	1.2	2.4	6.4	51

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
52347	.6	5.7	4.6	59.6	<30	7	6	377	2.28	2.3	<5	2	15	.07	.3	<.1	47	.21	.122	8	15	.22	79	.09	2	1.46	.01	.04	<2	.1	46	<.3	.1	3.3	3
52348	.6	5.0	4.9	46.8	<30	7	5	236	2.68	2.8	<5	2	17	.04	.3	<.1	61	.21	.082	7	17	.21	105	.10	<2	1.52	.01	.04	<2	.1	50	<.3	.1	3.6	4
52349	.4	4.3	4.1	38.5	<30	3	4	366	2.34	1.2	<5	1	17	.04	.3	.1	58	.27	.039	7	15	.20	117	.10	<2	.94	.01	.04	<2	<.1	32	<.3	<.1	2.7	3
52350	.4	5.1	4.2	70.1	69	6	6	1059	2.36	1.3	<5	1	25	.10	.4	.1	53	.37	.055	7	15	.21	232	.11	2	1.24	.01	.12	<2	<.1	33	<.3	.1	3.0	67
52364	.5	4.8	5.1	66.3	42	3	5	369	2.57	.7	<5	1	21	.07	.4	.1	54	.39	.112	8	15	.17	285	.05	<2	1.85	.01	.06	<2	<.1	37	<.3	<.1	4.4	2
52365	1.1	4.4	9.6	130.1	74	5	13	508	5.45	1.5	<5	1	18	.17	1.0	.1	128	.39	.108	5	17	.29	234	.01	5	1.64	.01	.08	<2	.1	81	<.3	.1	3.9	2
52366	.6	4.6	4.6	65.2	44	5	6	367	2.43	.9	<5	1	20	.06	.3	.1	57	.34	.075	9	18	.20	174	.12	2	1.04	.01	.04	<2	.1	33	<.3	.1	2.9	2
52367	.4	3.1	4.9	48.3	<30	2	5	394	1.90	.5	<5	1	20	.06	.3	.1	49	.35	.054	8	15	.13	132	.12	<2	.78	.01	.07	<2	.1	37	<.3	.1	2.2	2
52368	.6	4.0	6.0	57.3	30	3	4	368	2.26	1.4	<5	1	19	.07	.8	<.1	55	.33	.031	7	13	.14	333	.09	<2	.86	.01	.06	<2	.1	39	<.3	.1	2.6	2
52369	.4	4.7	4.5	52.2	<30	5	4	271	2.50	1.4	<5	1	22	.04	.4	.1	60	.36	.024	9	18	.24	163	.16	6	.96	.01	.07	<2	.1	24	<.3	.1	2.6	2
52370	.4	5.3	4.4	74.4	38	5	5	284	2.60	1.6	<5	2	24	.07	.3	.1	58	.36	.076	10	18	.25	198	.12	<2	1.42	.01	.06	<2	.1	33	<.3	.2	3.6	2
RE 52370	.5	5.0	5.3	67.7	39	6	6	276	2.51	1.1	<5	1	22	.06	.3	.1	55	.33	.079	9	18	.24	196	.10	<2	1.30	.01	.06	<2	.1	30	<.3	.1	3.3	2
52371	.4	3.5	5.6	44.9	<30	3	4	334	2.28	.8	<5	1	20	.04	.4	<.1	52	.33	.019	7	13	.18	196	.08	8	1.07	.01	.08	<2	<.1	19	<.3	.1	2.5	1
52372	1.2	15.7	7.6	192.7	127	6	9	1515	4.39	4.1	<5	1	26	.61	1.4	.1	63	.54	.055	14	13	.45	548	.03	3	2.01	.01	.15	<2	.1	101	<.3	.1	4.7	1
52373	.6	6.3	6.4	80.9	<30	4	8	450	2.99	1.4	<5	1	39	.08	.4	.1	60	.43	.014	7	13	.46	303	.04	4	1.93	.02	.08	<2	.1	34	<.3	<.1	4.2	6
52374	1.0	17.0	7.6	143.8	81	5	18	5570	4.13	6.8	<5	<1	60	.42	.2	.1	67	.90	.150	13	6	.93	1162	.02	3	3.66	.01	.13	<2	.1	83	<.3	.1	8.5	1
52375	1.3	10.0	6.5	85.3	<30	10	8	866	3.60	3.2	<5	2	28	.09	.2	.1	79	.39	.068	8	21	.34	217	.13	<2	2.49	.01	.06	<2	<.1	41	<.3	<.1	5.6	2
52376	.9	5.8	4.9	98.6	43	9	8	790	2.72	1.3	<5	2	22	.09	.3	.1	59	.33	.117	9	19	.24	167	.10	2	1.66	.01	.09	<2	.1	37	<.3	.1	3.9	2
52377	.5	8.2	3.9	106.3	38	11	9	722	3.22	2.3	<5	1	24	.07	.3	<.1	75	.34	.079	9	20	.38	154	.11	4	2.34	.01	.07	<2	.1	65	<.3	.1	4.5	1
52378	.4	5.4	5.5	57.6	<30	6	6	361	2.21	1.5	<5	1	23	.05	.2	<.1	48	.32	.083	9	17	.23	92	.14	<2	1.56	.01	.05	<2	.1	99	<.3	.1	3.8	<1
52379	.5	4.5	5.4	66.2	36	9	5	243	2.14	1.0	<5	2	21	.05	.2	<.1	44	.27	.159	8	17	.20	155	.12	2	1.55	.01	.06	<2	.1	79	<.3	.1	4.2	3
52380	.7	6.1	5.7	59.0	46	9	6	412	2.67	2.1	<5	2	24	.07	.3	<.1	57	.28	.089	9	20	.25	114	.12	<2	1.49	.01	.06	<2	.1	107	<.3	.1	4.0	<1
52381	.6	4.6	5.3	64.9	41	4	6	353	2.29	1.2	<5	2	17	.06	.3	.1	58	.21	.046	8	18	.15	70	.12	<2	1.02	.01	.04	<2	.1	74	<.3	.1	3.8	1
52382	.6	3.8	6.0	59.6	33	6	5	419	2.13	1.3	<5	1	19	.06	.2	.1	51	.26	.089	9	18	.13	71	.14	<2	1.05	.01	.06	<2	.1	71	<.3	.1	3.3	1
52383	.6	5.3	5.1	74.1	<30	10	6	314	2.49	2.1	<5	2	23	.06	.2	.1	54	.27	.130	10	19	.22	99	.14	2	1.51	.01	.05	<2	<.1	78	<.3	.1	3.5	<1
52384	.6	4.0	4.4	59.0	<30	9	5	651	2.04	.9	<5	1	21	.05	.2	<.1	47	.25	.083	8	16	.17	97	.11	<2	1.10	.01	.05	<2	<.1	108	<.3	<.1	3.1	<1
52385	.7	7.6	5.4	83.7	<30	13	8	1074	2.88	2.5	<5	1	18	.07	.3	<.1	65	.24	.047	9	20	.29	116	.12	2	1.67	.01	.05	<2	.2	104	<.3	.2	3.8	<1
52386	.8	5.7	5.8	81.1	39	10	7	500	2.96	2.5	<5	2	18	.06	.2	.1	66	.22	.061	8	20	.27	114	.13	2	1.86	.01	.05	<2	.1	114	<.3	.1	4.6	99
52387	.6	9.1	5.9	55.0	<30	11	8	328	2.96	3.1	<5	2	22	.05	.3	.1	66	.27	.046	9	24	.31	94	.15	4	1.76	.01	.06	<2	.1	75	<.3	.1	4.2	2
52388	.8	6.3	5.9	120.3	<30	11	7	1107	2.92	2.3	<5	2	21	.13	.2	.1	64	.26	.097	8	20	.28	196	.11	2	1.74	.01	.05	<2	.1	23	<.3	.1	5.0	1
52389	.8	6.0	5.5	105.7	<30	7	7	922	2.89	3.4	<5	1	22	.08	.2	.1	64	.26	.076	8	19	.24	129	.12	2	1.85	.01	.05	<2	.1	38	<.3	.1	4.4	1
52390	.6	4.7	5.9	88.0	<30	5	6	423	2.48	1.5	<5	2	21	.07	.2	.1	53	.27	.102	8	17	.22	110	.11	3	1.32	.01	.06	<2	.1	91	<.3	.1	4.1	1
52391	.8	5.7	5.3	107.1	<30	9	6	363	2.74	2.7	<5	2	18	.08	.2	<.1	59	.25	.075	7	19	.28	103	.12	2	1.86	.01	.06	<2	.1	27	<.3	.1	4.4	<1
52392	.7	5.5	6.1	105.6	<30	6	7	696	2.34	1.3	<5	1	17	.09	.2	<.1	54	.24	.066	7	16	.19	112	.10	3	1.31	.01	.05	<2	.1	49	<.3	.1	4.3	1
STANDARD D/AU-S	24.9	124.7	73.3	285.2	1952	29	15	959	4.56	75.0	22	20	58	2.34	9.7	21.0	69	.72	.088	18	53	1.21	243	.15	26	2.35	.05	.77	18	2.1	460	1.0	2.2	6.9	53

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
52393	.8	11.5	5.2	123.6	41	18	11	536	3.50	5.4	<5	3	20	.12	<.2	.1	76	.22	.100	8	23	.34	168	.12	<2	2.21	.01	.07	<2	<.1	70	.4	<.1	6.1	6
52394	.9	12.0	5.9	129.1	57	17	8	1139	3.44	4.4	<5	2	22	.14	.2	.1	72	.24	.125	9	23	.35	176	.11	<2	2.31	.01	.06	<2	<.1	55	<.3	.1	6.3	22
52395	.8	7.1	5.4	154.3	31	17	9	1477	2.72	2.7	<5	2	22	.16	<.2	.2	59	.24	.104	8	20	.27	205	.10	<2	1.81	.01	.06	<2	.1	41	.3	<.1	5.9	<1
52396	.7	6.0	5.0	111.5	<30	13	8	472	2.93	2.3	<5	2	23	.12	<.2	.1	62	.35	.082	8	18	.29	183	.10	<2	1.75	.01	.07	<2	.1	24	<.3	.1	5.0	<1
52397	.7	9.1	4.4	85.9	<30	15	8	408	3.35	5.1	<5	2	17	.08	<.2	.2	75	.22	.081	9	23	.30	113	.12	<2	1.72	.01	.04	<2	<.1	31	<.3	<.1	5.4	<1
52398	.8	5.4	4.1	42.3	<30	8	7	918	2.74	2.4	<5	2	17	.05	.3	<.1	62	.23	.077	9	19	.20	105	.11	<2	1.08	.01	.07	<2	.1	29	<.3	.1	3.7	<1
RE 52398	.9	6.1	4.3	43.5	53	7	7	910	2.67	2.6	<5	2	16	.05	.2	.1	60	.22	.075	8	19	.20	110	.11	2	1.04	.01	.07	<2	.3	24	<.3	<.1	3.7	<1
52399	.6	4.7	4.3	109.4	36	8	6	700	2.40	1.3	<5	1	17	.10	<.2	.1	56	.22	.087	8	18	.18	125	.10	<2	1.21	.01	.06	<2	<.1	30	<.3	<.1	3.5	<1
52400	1.1	20.0	5.0	90.3	<30	7	9	417	4.53	9.7	<5	1	17	.09	.3	.2	67	.29	.053	6	8	.29	169	.02	2	1.26	<.01	.08	<2	<.1	43	<.3	<.1	3.4	8
STANDARD D/AU-S	24.2	120.7	92.3	284.5	1882	31	16	964	4.58	72.1	23	19	55	2.22	9.2	20.9	68	.73	.090	17	53	1.17	239	.14	27	2.35	.05	.75	18	2.2	477	1.1	2.5	6.9	49

Sample type: SOIL. 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

GEOCHEMICAL EXTRACTION-ANALYSIS CERTIFICATE

Phelps Dodge Corp. PROJECT 248 File # 95-2055 Page 1

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
51791	.5	10.8	6.2	51.6	35	11	7	579	2.86	4.2	<5	3	38	.14	.3	<.1	67	.45	.027	12	22	.33	89	.14	<2	1.02	.02	.14	<2	<.1	39	<.3	<.1	3.9	2
51792	.6	8.3	5.8	41.9	<30	9	6	510	2.72	2.2	<5	2	27	.08	.3	.1	67	.34	.021	11	22	.27	73	.16	<2	.91	.02	.12	<2	.1	23	<.3	<.1	3.8	1
51793	.7	4.2	4.7	84.9	<30	8	5	444	2.11	1.1	<5	2	16	.09	.2	.1	51	.20	.074	7	17	.18	77	.10	<2	.86	.01	.06	<2	.1	31	<.3	<.1	3.6	3
51794	.7	5.9	6.4	59.5	43	7	5	593	2.21	1.3	<5	2	21	.05	.3	.1	51	.28	.039	7	19	.24	83	.13	<2	1.08	.01	.06	<2	.1	28	<.3	.1	4.7	1
51795	.7	4.5	4.4	81.0	<30	9	6	616	2.48	.9	<5	2	15	.07	.2	<.1	60	.22	.057	7	20	.23	123	.11	<2	1.03	.01	.05	<2	.1	18	<.3	<.1	3.9	<1
51796	.6	4.2	5.1	73.7	<30	7	4	572	2.15	.7	<5	2	16	.09	.2	<.1	54	.23	.044	7	18	.17	88	.12	<2	.83	.01	.06	<2	.1	22	<.3	<.1	3.8	6
51797	.6	6.0	5.7	52.3	<30	9	6	400	2.36	1.8	<5	2	22	.06	.2	.1	55	.30	.054	8	20	.26	83	.12	<2	1.16	.01	.05	<2	<.1	21	<.3	<.1	4.4	1
51798	.7	7.9	5.7	59.7	<30	12	7	553	3.07	2.2	<5	2	22	.07	.3	<.1	75	.29	.049	9	28	.28	79	.16	<2	1.21	.01	.06	<2	.1	29	<.3	.1	4.7	1
51799	.8	6.3	6.2	85.1	<30	11	6	504	2.81	1.4	<5	2	16	.08	.3	.1	68	.23	.046	8	23	.27	102	.13	<2	1.29	.01	.05	<2	.1	28	<.3	<.1	5.2	3
RE 51799	.7	5.8	5.3	86.7	<30	10	6	513	2.76	1.9	<5	2	17	.08	.2	.1	67	.24	.046	8	23	.27	103	.14	<2	1.31	.01	.05	<2	<.1	21	<.3	<.1	4.8	8
51800	.8	6.8	5.8	74.1	<30	12	6	526	2.61	1.4	<5	2	21	.10	.2	<.1	61	.28	.058	8	26	.26	108	.15	10	1.23	.02	.06	<2	.1	23	<.3	<.1	3.8	3
51988	.5	8.5	6.9	41.7	34	10	6	393	2.65	1.7	<5	2	30	.05	.3	<.1	63	.37	.018	11	24	.28	79	.18	6	1.04	.02	.11	<2	.1	19	<.3	<.1	3.5	1
51989	.5	6.7	6.0	39.3	<30	10	6	345	2.44	2.6	<5	2	24	.04	.2	<.1	57	.31	.026	9	22	.29	61	.14	<2	1.09	.01	.08	<2	.1	17	<.3	<.1	3.5	2
51990	.6	9.8	7.7	44.7	51	10	8	614	2.90	2.1	<5	2	35	.05	.3	.1	66	.45	.039	12	26	.34	102	.17	<2	1.13	.02	.12	<2	.1	27	<.3	<.1	4.0	1
51991	.6	7.4	6.0	79.9	50	12	6	377	2.56	1.8	<5	2	26	.09	.2	<.1	60	.33	.044	10	25	.27	88	.16	<2	1.27	.02	.08	<2	.1	25	<.3	<.1	4.2	1
51992	.6	6.9	6.5	45.1	32	10	5	344	2.53	3.5	<5	2	26	.04	.3	.1	61	.31	.039	9	21	.27	73	.15	15	1.16	.02	.06	<2	.1	22	<.3	.1	3.9	2
51993	.5	8.2	6.8	39.0	<30	12	7	313	2.66	3.0	<5	2	27	.04	.2	.1	64	.34	.022	8	25	.30	65	.18	<2	1.15	.02	.09	<2	.1	21	<.3	<.1	4.3	1
51994	.5	6.6	5.5	62.1	<30	13	6	443	2.55	2.2	<5	2	20	.06	.2	.1	58	.25	.065	9	21	.28	87	.12	<2	1.26	.01	.06	<2	.1	19	<.3	<.1	3.9	4
51995	.5	5.1	6.1	46.7	<30	11	5	342	2.53	2.2	<5	2	20	.04	.3	<.1	61	.26	.056	8	21	.22	94	.14	<2	1.24	.01	.06	<2	.1	22	<.3	<.1	4.5	2
51996	.6	6.8	7.2	45.6	<30	11	5	330	2.49	3.6	<5	2	20	.06	.3	.1	57	.25	.063	8	20	.24	88	.14	<2	1.45	.01	.05	<2	<.1	26	<.3	<.1	4.9	2
51997	.6	6.1	6.3	92.4	46	10	5	545	2.35	2.5	<5	2	16	.11	.3	<.1	55	.21	.057	8	19	.23	99	.13	<2	1.34	.01	.06	<2	<.1	47	<.3	<.1	4.6	16
51998	.5	5.6	6.4	68.9	<30	11	6	353	2.53	2.9	<5	2	21	.06	.2	.1	58	.25	.053	8	20	.25	106	.13	<2	1.60	.01	.04	<2	<.1	32	<.3	<.1	5.0	1
51999	.6	6.7	8.9	134.7	47	9	4	202	2.02	2.0	<5	2	16	.11	.2	.1	44	.23	.162	10	19	.22	92	.12	<2	1.69	.01	.06	<2	.1	22	<.3	<.1	5.5	1
52000	.5	6.7	5.7	55.4	<30	9	6	303	2.51	2.5	<5	2	25	.06	.3	.1	61	.31	.039	10	21	.26	76	.16	<2	1.27	.01	.06	<2	<.1	25	<.3	.2	4.0	1
52062	.6	6.5	6.5	57.4	<30	9	6	509	2.22	2.1	<5	2	26	.07	.2	.1	48	.32	.089	9	19	.24	97	.11	<2	1.03	.01	.07	<2	<.1	28	<.3	<.1	3.7	1
52064	.7	7.8	8.3	66.8	76	9	7	751	3.13	4.5	<5	1	21	.11	.3	.1	72	.36	.035	8	23	.30	136	.14	<2	1.31	.01	.12	<2	.1	71	<.3	.1	4.8	4
52065	.6	8.6	6.9	50.8	<30	10	6	640	2.53	2.4	<5	1	33	.06	.2	<.1	57	.50	.050	10	22	.30	97	.14	<2	1.13	.02	.16	<2	<.1	48	<.3	<.1	3.6	3
52066	.6	6.8	6.7	49.5	83	10	6	730	2.95	2.9	<5	1	24	.07	.4	.1	71	.40	.037	8	24	.28	88	.16	4	1.16	.02	.09	<2	<.1	43	<.3	.1	4.6	3
52067	.6	8.9	7.7	48.5	33	9	6	675	2.70	1.3	<5	2	19	.05	.2	.1	67	.29	.031	7	22	.24	80	.16	<2	1.09	.01	.08	<2	<.1	35	<.3	<.1	2.8	3
52068	.7	6.6	6.6	55.2	51	9	6	578	2.77	2.5	<5	2	22	.09	.4	.1	64	.33	.073	9	23	.25	102	.15	<2	1.10	.02	.09	<2	<.1	33	<.3	.1	4.6	2
52069	.7	6.4	6.7	54.0	<30	11	6	443	2.96	2.6	<5	2	17	.07	.3	.1	67	.23	.064	8	23	.26	77	.15	44	1.27	.02	.05	<2	<.1	33	<.3	<.1	4.9	1
52070	.8	6.4	6.5	76.6	36	11	7	343	2.79	2.5	<5	2	16	.10	.3	.1	63	.24	.087	9	22	.27	66	.15	6	1.40	.02	.05	<2	.1	29	<.3	<.1	5.1	1
52071	.7	9.7	7.0	57.9	<30	9	6	349	2.68	3.0	<5	2	19	.05	.3	.1	63	.25	.056	10	23	.28	68	.14	3	1.26	.02	.05	<2	.1	24	<.3	<.1	3.9	1
52072	.6	9.5	6.9	61.2	<30	12	7	499	3.07	3.4	<5	3	20	.09	.3	.1	69	.28	.067	10	25	.36	88	.14	<2	1.63	.01	.05	<2	.1	19	<.3	<.1	4.9	3
STANDARD D/AU-S	23.7	117.7	87.5	289.3	1896	27	16	990	4.29	72.1	23	22	61	2.29	9.6	21.0	67	.75	.082	20	54	1.27	235	.16	26	2.30	.05	.80	20	2.1	449	.9	2.4	6.9	54

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

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

DATE RECEIVED: JUN 29 1995 DATE REPORT MAILED: July 12/95 SIGNED BY. C. Leong .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
52073	.6	7.6	5.8	59.4	52	10	5	355	3.03	3.1	<5	2	22	.09	.5	.1	69	.29	.056	9	23	.27	95	.15	<2	1.37	.02	.05	<2	.1	21	.4	.2	5.5	2
52074	.6	4.8	6.6	70.6	61	12	5	288	2.46	2.6	<5	2	22	.12	.5	.2	57	.26	.040	8	18	.21	93	.14	<2	1.29	.02	.05	<2	.2	46	<.3	.1	5.0	4
52075	.6	7.7	6.4	60.4	68	11	6	344	3.16	3.8	<5	2	21	.07	.6	.1	72	.29	.064	9	25	.30	81	.16	<2	1.38	.01	.07	<2	.1	17	<.3	.4	5.3	2
52076	.6	6.1	6.7	80.3	46	11	5	321	2.66	2.1	<5	2	19	.10	.4	.1	60	.26	.050	8	20	.23	100	.15	<2	1.44	.01	.05	<2	.1	42	<.3	.2	5.7	1
52077	.7	6.5	8.2	94.1	87	12	5	359	2.74	2.9	<5	2	19	.13	.5	.1	63	.26	.058	9	21	.23	97	.15	<2	1.40	.01	.05	<2	.2	32	.4	.3	5.8	<1
52078	.6	6.8	6.0	90.9	79	11	6	315	2.73	2.4	<5	2	21	.11	.5	.1	64	.29	.050	9	22	.25	98	.16	2	1.49	.02	.07	<2	.1	34	<.3	.2	5.7	<1
52079	.8	5.7	5.1	78.2	73	11	5	415	2.71	2.3	<5	2	17	.09	.4	.1	63	.22	.068	9	21	.20	97	.14	<2	1.43	.01	.05	<2	.1	27	<.3	.2	5.7	1
52080	.6	7.3	5.5	57.8	44	10	5	387	2.69	2.9	<5	2	23	.08	.5	.1	62	.27	.057	10	22	.23	93	.17	<2	1.53	.01	.05	<2	.1	24	.3	.1	5.8	<1
52081	.5	6.9	4.8	68.9	46	11	5	330	2.66	2.2	<5	2	22	.07	.4	.1	61	.30	.057	9	20	.25	97	.15	<2	1.46	.01	.07	<2	.2	16	<.3	.2	5.1	7
52082	.8	5.7	4.9	55.8	42	10	6	475	2.53	2.6	<5	2	23	.06	.4	.1	57	.28	.082	9	20	.23	96	.15	<2	1.48	.01	.06	<2	.1	34	<.3	.2	5.3	6
52083	.6	6.2	5.0	66.6	38	11	5	434	2.76	2.8	<5	2	23	.06	.4	.1	60	.28	.078	9	22	.27	107	.13	<2	1.65	.01	.08	<2	.1	16	<.3	.3	5.7	3
52084	.6	7.3	4.8	66.9	<30	13	6	418	3.03	3.0	<5	2	25	.08	.3	.1	69	.30	.079	11	23	.28	98	.16	<2	1.70	.01	.06	<2	.1	20	<.3	<.1	5.2	9
RE 52084	.6	7.7	4.9	69.0	55	13	6	421	3.03	3.6	<5	3	25	.07	.4	.2	69	.31	.080	11	24	.29	100	.17	<2	1.73	.01	.06	<2	.1	17	<.3	<.1	5.8	22
52085	.9	8.7	5.4	58.4	<30	10	6	406	3.09	3.2	<5	3	25	.07	.4	.1	71	.30	.074	11	23	.29	93	.17	<2	1.48	.01	.06	<2	.1	30	<.3	.1	5.3	2
52086	.5	6.4	5.7	35.9	55	7	2	146	1.09	1.3	<5	1	25	.04	.4	.1	32	.28	.032	12	13	.21	66	.12	14	1.14	.02	.11	<2	.1	38	.3	.1	4.6	1
52087	.3	4.8	5.6	34.4	44	5	2	94	.85	1.7	<5	<1	21	.01	.4	.1	30	.20	.008	11	11	.12	64	.11	<2	1.03	.01	.05	<2	.1	14	<.3	.2	3.3	<1
52088	.3	5.6	6.2	58.6	58	8	4	129	1.59	2.0	<5	2	28	.03	.4	.1	42	.31	.031	9	14	.19	95	.12	<2	1.24	.02	.06	<2	.1	13	.3	.1	5.0	16
52089	.6	5.4	6.2	42.0	51	5	2	157	1.00	1.5	<5	2	26	.03	.3	<.1	26	.24	.027	11	11	.18	74	.12	<2	1.17	.02	.08	<2	.1	25	<.3	.2	4.9	2
52090	1.1	6.7	5.5	151.8	81	14	8	1391	3.30	3.5	<5	2	26	.17	.4	.1	71	.30	.122	12	23	.25	224	.13	2	1.73	.01	.09	<2	.2	35	<.3	.2	5.8	1
52091	1.0	5.5	5.2	74.9	114	12	7	803	2.77	3.0	<5	2	24	.09	.3	.1	58	.31	.111	10	21	.21	157	.12	<2	1.72	.01	.07	<2	.1	42	<.3	<.1	5.7	2
52092	.9	7.6	4.5	59.0	68	18	8	301	3.65	7.0	<5	3	23	.07	.7	<.1	79	.33	.103	10	25	.38	142	.13	14	1.83	.02	.07	<2	.1	27	<.3	.1	4.9	1
52093	.4	4.2	4.2	34.2	31	4	3	194	1.45	1.3	<5	2	30	.03	.3	.1	32	.31	.013	12	14	.14	72	.11	<2	.94	.02	.06	<2	.1	26	<.3	<.1	3.0	1
52094	.8	6.5	6.3	112.4	31	16	7	389	2.50	2.1	<5	2	28	.07	.3	.1	45	.30	.135	12	19	.20	144	.11	<2	2.24	.01	.07	<2	.2	37	<.3	<.1	7.3	1
52095	.7	6.6	4.9	104.8	<30	14	6	268	2.33	2.8	<5	2	28	.07	.3	.1	45	.27	.110	13	20	.17	138	.12	<2	1.94	.02	.08	<2	.1	39	<.3	<.1	5.8	1
52096	.4	4.4	4.1	31.4	<30	5	2	160	1.63	1.7	<5	2	33	.01	.3	<.1	31	.30	.029	13	13	.15	77	.11	<2	1.06	.02	.06	<2	.2	34	<.3	.1	3.0	1
52097	.5	13.1	5.7	89.0	92	12	8	357	3.32	1.9	<5	3	60	.10	.5	.1	43	.78	.026	27	25	.39	125	.10	<2	2.26	.03	.10	<2	.2	63	<.3	.1	6.1	1
52098	.6	5.6	4.9	37.8	<30	4	3	140	1.67	1.1	<5	2	20	.03	.3	.1	36	.19	.022	10	14	.10	83	.13	<2	1.00	.02	.04	<2	.1	29	<.3	<.1	3.9	2
52099	.8	9.0	4.6	57.1	<30	14	6	275	3.16	7.4	<5	3	37	.04	.6	<.1	57	.34	.118	14	22	.20	119	.11	<2	1.68	.02	.07	<2	.1	30	<.3	<.1	4.7	1
52100	.9	7.4	6.5	105.9	33	12	5	543	2.19	2.6	<5	2	39	.06	.3	.1	40	.31	.143	14	18	.17	167	.09	<2	1.87	.01	.08	<2	.1	42	<.3	<.1	5.4	1
52101	.6	6.8	4.4	67.4	<30	11	5	385	2.86	1.9	<5	2	23	.07	.3	<.1	69	.30	.048	10	22	.25	83	.18	<2	1.33	.01	.05	<2	<.1	17	<.3	<.1	4.6	1
52102	.4	9.3	4.2	43.9	54	10	7	307	3.29	3.1	<5	3	24	.04	.3	<.1	77	.33	.051	10	24	.33	65	.16	2	1.41	.01	.05	<2	.1	12	<.3	.1	4.6	1
52103	.5	7.0	3.7	70.6	39	10	5	461	2.71	3.0	<5	2	18	.07	.2	.1	60	.23	.102	8	21	.25	106	.12	40	1.43	.01	.06	<2	.1	13	<.3	<.1	6.5	3
52104	.7	6.2	4.1	68.2	30	12	5	535	2.75	2.7	<5	2	20	.07	.2	<.1	61	.26	.078	9	21	.23	95	.14	<2	1.41	.01	.05	<2	.1	18	<.3	<.1	4.5	1
52105	.6	5.8	4.1	63.2	36	11	6	360	2.71	2.4	<5	2	20	.09	.3	.1	61	.25	.068	9	21	.21	98	.12	<2	1.29	.01	.05	<2	.2	22	<.3	<.1	4.6	1
STANDARD D/AU-S	20.5	121.9	83.2	269.6	1939	28	14	921	4.39	73.2	17	19	55	2.18	10.2	21.0	65	.67	.086	18	51	1.20	230	.15	26	2.29	.05	.74	19	2.1	439	1.0	2.2	6.8	50

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
52106	.5	2.8	3.2	28.9	<30	4	4	125	1.56	1.4	<5	2	18	.01	<.2	<.1	35	.23	.013	6	12	.16	64	.11	<2	.82	.01	.07	<2	<.1	21	<.3	<.1	1.8	<1
52107	.7	3.3	3.4	38.0	<30	4	4	269	1.57	1.0	<5	2	16	.02	<.2	<.1	35	.22	.030	6	12	.15	64	.11	<2	1.00	.01	.06	<2	<.1	27	<.3	<.1	2.4	<1
52108	.6	3.4	3.3	77.0	<30	7	4	268	1.95	.9	<5	2	13	.03	<.2	<.1	39	.17	.101	7	15	.14	86	.10	<2	1.15	.01	.06	<2	<.1	20	<.3	<.1	2.5	<1
52109	.5	5.5	3.6	52.3	45	9	5	236	2.56	2.3	<5	2	20	.05	.2	<.1	58	.26	.050	8	19	.24	94	.13	<2	1.23	.01	.05	<2	<.1	13	<.3	<.1	4.3	3
52110	.5	7.3	4.0	43.6	42	9	4	210	2.60	3.6	<5	3	21	.04	.3	<.1	62	.25	.029	9	19	.23	81	.13	2	1.06	.01	.05	<2	.1	23	<.3	<.1	4.2	2
52111	.6	6.9	4.2	54.9	55	10	5	346	2.40	2.6	<5	2	21	.06	.2	<.1	54	.24	.044	9	18	.23	98	.12	<2	1.27	.01	.05	<2	.1	34	<.3	.1	4.6	2
52112	.5	4.6	3.9	73.2	<30	11	5	342	2.31	1.2	<5	2	19	.05	<.2	<.1	52	.24	.052	8	17	.21	113	.13	<2	1.18	.01	.05	<2	<.1	11	<.3	<.1	3.8	3
52113	.7	5.0	4.1	76.6	39	10	4	840	2.22	1.6	<5	2	21	.06	<.2	.1	50	.26	.067	9	17	.20	120	.11	2	1.19	.01	.06	<2	<.1	18	<.3	<.1	4.4	1
52114	.7	4.9	4.2	55.9	56	11	5	383	2.68	2.8	<5	2	20	.05	.2	<.1	59	.25	.076	9	20	.22	110	.13	<2	1.25	.01	.05	<2	.1	17	<.3	<.1	4.8	31
52115	.5	7.0	3.9	46.2	77	6	6	343	2.97	4.0	<5	2	23	.06	.2	.1	69	.29	.042	9	22	.27	92	.15	2	1.18	.01	.04	<2	<.1	10	<.3	.1	4.0	6
52116	.7	5.4	5.4	55.6	121	9	5	259	2.70	8.9	<5	2	21	.07	.2	<.1	62	.28	.038	7	19	.24	76	.13	<2	1.22	.01	.06	<2	.1	13	.3	.1	5.4	32
RE 52116	.8	5.0	5.3	57.8	91	7	6	262	2.77	8.1	<5	1	21	.07	.2	<.1	63	.28	.040	7	20	.25	76	.13	<2	1.24	.01	.06	<2	.1	27	<.3	<.1	5.1	3
52117	.6	6.9	4.4	71.5	57	9	4	200	2.34	2.8	<5	2	35	.04	.3	<.1	46	.32	.058	12	18	.20	110	.11	2	1.31	.01	.07	<2	.1	37	<.3	.2	3.8	61
52118	.7	8.8	4.6	78.6	74	11	6	585	2.62	6.0	<5	2	45	.08	.7	.1	46	.32	.076	19	18	.20	142	.09	2	1.15	.02	.08	<2	.1	60	<.3	<.1	4.2	11
52119	.7	7.8	3.9	45.2	32	8	6	683	1.84	4.6	<5	2	56	.06	.4	.1	37	.74	.075	19	16	.25	92	.06	2	1.09	.03	.11	<2	<.1	91	<.3	<.1	2.7	2
52120	3.1	14.9	6.1	120.7	85	14	9	2653	2.84	2.1	<5	1	94	.50	.4	.1	36	1.28	.039	15	14	.39	213	.07	<2	1.44	.02	.19	<2	.1	74	<.3	<.1	4.3	4
52121	.6	7.2	4.8	114.9	32	14	6	279	2.65	4.8	<5	2	36	.07	.3	.1	47	.36	.091	11	19	.24	148	.10	3	2.08	.01	.09	<2	.1	51	<.3	<.1	5.7	<1
52122	.4	5.9	4.7	30.0	<30	6	3	201	1.57	3.3	<5	2	37	.02	.3	<.1	33	.41	.030	18	14	.18	86	.08	<2	1.10	.02	.05	<2	.1	48	<.3	<.1	3.1	<1
52123	.2	5.2	5.0	33.5	<30	5	4	125	1.43	2.5	<5	2	29	.02	.4	<.1	30	.27	.022	12	12	.18	85	.10	<2	1.05	.02	.04	<2	.1	46	<.3	.1	3.7	<1
52124	.4	6.3	5.7	44.2	<30	5	3	237	1.84	5.8	<5	2	32	.03	.3	.1	37	.33	.045	15	14	.20	93	.11	<2	1.05	.02	.06	<2	.1	51	<.3	<.1	3.3	<1
52125	.8	6.8	4.6	88.0	<30	14	6	244	2.53	3.4	<5	2	29	.04	.3	<.1	44	.24	.092	11	17	.19	151	.08	<2	2.01	.01	.06	<2	<.1	52	<.3	<.1	5.6	<1
52126	.6	5.7	3.9	40.3	<30	6	4	166	1.92	3.8	<5	2	24	.02	.3	.1	37	.20	.027	11	14	.16	94	.09	<2	1.24	.01	.05	<2	.1	32	<.3	.1	3.9	<1
52127	.4	5.6	4.0	41.2	<30	6	2	131	1.37	2.4	<5	2	28	.03	.2	<.1	28	.27	.027	12	11	.18	87	.10	<2	.97	.02	.05	<2	.1	24	<.3	<.1	2.6	<1
52128	.5	6.4	4.1	33.2	<30	6	3	243	1.47	3.1	<5	2	35	.03	.2	.1	28	.33	.034	16	12	.19	84	.10	<2	1.08	.02	.06	<2	<.1	54	<.3	<.1	2.4	<1
52129	.5	6.1	4.8	49.1	<30	7	4	185	2.03	2.8	<5	2	28	.03	.2	<.1	38	.28	.072	11	16	.19	114	.10	<2	1.44	.01	.05	<2	.1	39	<.3	<.1	3.8	<1
52130	.7	5.9	4.6	69.2	<30	10	5	267	2.43	2.3	<5	2	28	.06	.2	<.1	46	.28	.085	10	18	.17	133	.10	<2	1.43	.02	.08	<2	.1	37	<.3	<.1	4.9	<1
52131	.8	7.6	4.9	151.7	<30	19	8	1155	2.61	4.6	<5	2	28	.10	<.2	.1	50	.28	.087	12	20	.26	197	.11	<2	2.40	.01	.07	<2	.1	54	<.3	<.1	5.8	140
52132	.7	7.6	5.0	74.2	<30	15	6	294	2.43	6.2	<5	2	23	.13	.2	<.1	44	.25	.108	11	18	.22	132	.10	<2	2.26	.01	.06	<2	.1	44	<.3	<.1	5.7	<1
52133	.6	8.2	5.4	71.9	<30	9	3	347	2.08	2.1	<5	3	32	.09	.3	.1	39	.33	.055	13	18	.27	97	.11	<2	1.68	.01	.07	<2	.1	44	<.3	<.1	4.9	1
52134	.7	6.0	4.6	70.3	<30	10	5	401	1.96	2.4	<5	2	27	.04	.2	<.1	37	.28	.078	11	16	.23	115	.11	<2	1.70	.01	.08	<2	.1	53	<.3	<.1	4.3	<1
52135	.7	5.5	5.2	80.4	<30	10	5	806	1.75	1.4	<5	1	28	.06	<.2	<.1	35	.31	.068	11	14	.14	127	.10	<2	1.30	.01	.06	<2	<.1	32	<.3	<.1	4.4	<1
52136	.5	5.2	4.5	59.4	<30	8	4	251	1.80	2.1	<5	2	29	.04	<.2	<.1	35	.31	.049	11	14	.19	97	.11	5	1.35	.01	.06	<2	.1	98	.3	<.1	3.8	1
52137	.4	5.9	6.2	38.3	<30	5	3	208	1.56	1.5	<5	1	25	.03	.3	<.1	34	.29	.020	10	13	.18	58	.14	<2	1.01	.02	.05	<2	.1	15	<.3	.1	4.1	<1
52138	.2	3.3	3.5	23.8	<30	3	2	115	1.36	1.3	<5	2	22	.01	<.2	<.1	29	.25	.022	10	13	.15	53	.11	<2	.75	.02	.06	<2	<.1	10	<.3	<.1	1.4	<1
STANDARD D/AU-S	22.8	126.2	85.8	271.1	1944	29	14	929	4.47	74.4	20	20	56	2.34	9.7	20.5	66	.69	.087	18	50	1.18	246	.14	23	2.36	.05	.76	19	2.0	463	.9	2.0	6.4	48

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
52139	.5	6.0	5.1	46.7	<30	9	4	195	2.00	2.7	<5	2	23	.03	.2	<.1	40	.26	.050	8	18	.24	95	.12	<2	1.37	.02	.05	<2	<.1	25	<.3	.2	4.3	1
52140	.5	7.2	5.1	47.8	<30	9	4	174	2.46	3.4	<5	2	27	.04	.3	<.1	50	.26	.064	11	19	.20	101	.12	<2	1.20	.02	.05	<2	.1	32	<.3	<.1	4.1	2
52141	.7	7.1	5.2	55.5	<30	10	4	204	2.40	3.5	<5	2	21	.04	.3	<.1	48	.22	.076	10	19	.20	91	.13	<2	1.49	.01	.06	<2	.1	32	.3	.1	5.0	2
52142	.6	5.7	5.1	43.1	<30	9	3	252	2.21	2.1	<5	2	22	.03	<.2	<.1	43	.24	.070	10	17	.19	92	.11	<2	1.41	.01	.05	<2	<.1	20	<.3	.1	3.8	1
52143	.6	6.4	5.3	57.8	<30	10	5	356	2.18	1.8	<5	2	22	.03	<.2	<.1	44	.24	.065	11	18	.20	98	.12	30	1.53	.02	.05	<2	<.1	28	<.3	<.1	4.7	3
52144	.6	7.3	5.1	57.4	<30	11	5	256	2.14	2.4	<5	2	20	.05	.3	<.1	43	.23	.051	10	18	.22	100	.12	36	1.42	.02	.05	<2	.1	11	<.3	.1	4.9	1
RE 52144	.4	6.7	4.5	60.4	<30	10	5	261	2.20	2.4	<5	2	21	.04	.3	<.1	44	.24	.053	10	18	.23	101	.12	29	1.47	.02	.05	<2	.1	11	<.3	<.1	4.3	<1
52145	.6	5.6	4.5	75.9	<30	9	5	500	2.01	1.7	<5	2	22	.05	.2	<.1	42	.24	.066	10	17	.18	115	.11	2	1.44	.01	.06	<2	<.1	28	<.3	<.1	4.2	1
52146	.5	4.9	5.3	68.8	<30	8	3	298	1.81	1.0	<5	2	22	.05	.2	<.1	37	.25	.053	9	16	.17	103	.11	<2	1.19	.01	.06	<2	.1	12	<.3	.1	4.0	1
52147	.5	8.5	5.2	60.5	<30	10	5	334	2.41	3.7	<5	2	29	.07	.3	<.1	51	.32	.055	14	19	.24	87	.12	<2	1.26	.02	.07	<2	.1	27	<.3	<.1	4.2	5
52148	.5	7.1	5.6	63.2	77	9	3	305	2.07	1.6	<5	2	27	.06	.3	<.1	43	.31	.031	13	16	.21	82	.12	22	1.17	.02	.08	<2	.1	37	<.3	<.1	3.6	102
52149	.7	10.8	5.8	60.5	<30	9	6	431	2.55	6.7	<5	2	38	.09	.4	<.1	50	.44	.065	16	18	.26	108	.10	4	1.32	.02	.08	<2	.1	48	<.3	<.1	4.0	2
52150	.9	11.4	6.8	78.8	51	14	7	544	2.95	9.0	<5	2	39	.13	.4	.1	60	.38	.076	14	21	.30	171	.10	<2	1.99	.02	.08	<2	.1	61	<.3	.1	5.1	3
52151	.6	7.6	5.6	57.7	<30	11	7	697	3.45	3.2	<5	2	21	.06	.2	<.1	77	.29	.035	10	31	.25	113	.20	3	1.44	.01	.06	<2	<.1	24	<.3	<.1	4.4	1
52152	.7	5.6	4.9	81.7	<30	11	5	589	2.69	1.3	<5	2	19	.06	.2	<.1	61	.26	.046	8	22	.24	131	.14	<2	1.34	.01	.05	<2	.1	10	<.3	.1	5.0	3
52153	.9	5.7	5.1	61.3	<30	10	5	527	2.86	1.9	<5	2	17	.05	.3	.1	62	.23	.077	8	23	.23	98	.14	2	1.43	.01	.06	<2	.1	26	<.3	<.1	4.5	2
52154	.9	4.8	4.5	64.1	<30	10	6	520	2.28	2.2	<5	2	16	.06	.2	<.1	47	.21	.075	7	18	.20	88	.11	2	1.39	.01	.05	<2	<.1	41	<.3	<.1	4.2	20
52155	.7	7.2	5.7	80.1	<30	10	6	574	3.12	2.1	<5	3	18	.06	.2	<.1	67	.24	.069	10	22	.28	119	.12	<2	1.52	.01	.06	<2	<.1	17	<.3	<.1	4.5	3
52156	.6	5.3	4.7	70.2	<30	10	6	379	2.72	1.4	<5	2	18	.05	.2	<.1	59	.22	.069	9	20	.22	121	.12	15	1.44	.02	.06	<2	.1	17	<.3	<.1	4.4	1
52157	.7	5.1	4.7	86.3	<30	10	4	470	2.43	1.1	<5	2	17	.06	<.2	<.1	52	.21	.094	8	18	.19	117	.11	27	1.36	.02	.06	<2	<.1	16	<.3	<.1	4.6	2
52158	.6	5.9	5.3	89.3	<30	9	5	776	2.54	2.0	<5	2	21	.08	.2	<.1	59	.27	.046	8	19	.22	112	.13	<2	1.41	.01	.05	<2	.1	29	.3	<.1	4.3	1
52159	.7	7.8	5.1	64.0	<30	8	6	379	2.80	3.1	<5	2	24	.05	.2	.1	61	.30	.081	9	20	.26	115	.11	11	1.32	.01	.06	<2	<.1	27	<.3	<.1	3.7	1
52160	.8	6.9	6.5	89.6	<30	9	5	935	2.57	1.7	<5	2	21	.09	.2	<.1	59	.25	.069	9	19	.21	121	.12	6	1.27	.01	.07	<2	.1	29	<.3	<.1	4.9	5
52161	.7	4.3	6.0	66.1	<30	8	5	424	2.89	1.1	<5	2	16	.06	.2	<.1	64	.21	.116	8	22	.17	87	.13	3	1.32	.01	.05	<2	.1	26	<.3	<.1	5.2	1
52162	.7	5.8	4.8	63.4	32	10	6	376	2.49	1.9	<5	2	18	.05	.3	<.1	54	.22	.072	10	20	.22	95	.12	<2	1.48	.01	.05	<2	<.1	23	<.3	.1	4.5	10
52163	.7	5.5	4.6	65.1	<30	9	5	510	2.68	1.8	<5	2	16	.04	.2	<.1	61	.22	.067	9	21	.21	93	.12	<2	1.28	.01	.06	<2	<.1	13	<.3	<.1	3.9	2
52164	.6	4.5	4.6	62.4	<30	9	4	454	2.29	1.3	<5	2	17	.04	.2	<.1	47	.21	.094	8	16	.18	105	.10	<2	1.37	.01	.05	<2	<.1	14	<.3	<.1	3.8	2
52165	.8	3.5	5.0	50.8	44	8	4	373	1.97	1.1	<5	1	19	.03	<.2	<.1	46	.21	.046	8	15	.15	102	.11	<2	1.19	.01	.05	<2	<.1	34	<.3	<.1	2.8	2
52166	.7	5.4	5.3	70.7	37	8	5	449	2.48	1.2	<5	2	19	.06	<.2	<.1	54	.26	.085	8	19	.18	107	.14	2	1.34	.01	.06	<2	<.1	22	<.3	<.1	4.1	3
52167	.7	5.8	5.5	60.1	58	9	6	342	3.02	3.0	<5	2	24	.06	.2	<.1	67	.32	.098	9	23	.25	83	.15	2	1.37	.01	.06	<2	<.1	16	<.3	<.1	4.2	2
52168	.9	4.9	6.1	51.5	51	6	5	520	2.89	2.3	<5	2	21	.05	.2	<.1	66	.28	.067	9	20	.21	99	.14	<2	1.32	.01	.05	<2	<.1	25	<.3	<.1	4.8	3
52169	.6	5.4	5.3	67.6	50	10	5	268	2.53	2.8	<5	2	17	.04	<.2	<.1	51	.24	.111	8	18	.23	123	.11	2	1.58	.01	.05	<2	<.1	18	<.3	<.1	4.0	2
52170	.8	4.6	5.2	38.9	43	4	3	362	2.10	1.4	<5	1	20	.04	.2	<.1	49	.28	.026	9	15	.17	120	.10	<2	1.00	.01	.10	<2	<.1	36	<.3	.1	3.0	13
52171	1.5	5.9	6.3	54.2	156	3	4	397	2.27	3.7	<5	1	18	.07	.3	.1	47	.25	.038	9	16	.20	123	.09	3	1.17	.01	.07	<2	<.1	33	<.3	<.1	4.0	36
STANDARD D/AU-S	22.8	114.5	89.5	274.7	1968	27	13	942	4.47	72.2	21	20	55	2.14	9.7	20.4	66	.69	.088	18	50	1.18	241	.14	25	2.35	.05	.75	19	2.2	443	1.0	2.0	6.6	47

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
52172	1.6	16.3	5.4	50.0	104	8	8	450	3.45	12.6	<5	2	17	.05	.7	<.1	63	.26	.031	14	14	.56	173	.08	<2	1.45	.01	.08	<2	.1	74	.4	<.1	4.7	20
52173	.9	4.3	3.9	44.4	98	5	4	366	2.24	1.7	<5	1	19	.06	.3	<.1	51	.25	.039	8	14	.23	219	.08	<2	.98	.01	.05	<2	.1	40	.3	<.1	4.0	17
52174	.4	4.1	3.8	43.1	<30	6	4	291	1.44	1.7	<5	2	20	.01	.2	<.1	27	.18	.045	11	11	.12	83	.08	<2	1.09	.01	.06	<2	.1	54	<.3	.1	2.8	1
52175	.4	3.3	4.8	27.3	<30	5	2	110	1.14	.9	<5	2	20	.01	.2	<.1	26	.18	.020	9	11	.11	68	.10	2	.82	.01	.03	<2	.1	40	<.3	<.1	3.6	1
52176	.4	10.5	4.6	26.5	<30	11	3	156	2.04	1.9	<5	3	52	.01	.2	<.1	29	.59	.034	26	18	.22	127	.06	<2	1.98	.02	.06	<2	.1	88	<.3	<.1	4.9	2
52177	.3	5.2	5.3	30.3	<30	6	2	152	1.31	.9	<5	1	39	.02	.2	<.1	26	.38	.032	13	11	.16	96	.08	<2	1.26	.02	.04	<2	.1	61	<.3	<.1	3.8	2
52178	.5	5.8	4.6	38.6	<30	9	4	253	2.38	3.4	<5	3	33	.01	.3	<.1	43	.22	.075	13	16	.18	105	.09	<2	1.66	.02	.05	<2	.1	56	<.3	<.1	4.2	7
52179	.4	6.1	5.1	37.2	<30	10	3	132	2.03	1.4	<5	2	27	.01	.2	<.1	35	.22	.053	13	16	.16	89	.09	3	1.49	.02	.03	<2	.1	58	.3	<.1	4.9	14
52180	.6	5.7	4.6	54.4	<30	9	6	438	2.48	4.5	<5	2	36	.03	.2	<.1	47	.38	.099	12	18	.20	118	.10	<2	1.42	.01	.10	<2	.1	61	<.3	<.1	3.8	1
52181	.5	5.3	4.2	70.6	<30	8	4	596	1.83	2.2	<5	2	31	.04	.3	<.1	38	.24	.030	12	15	.15	105	.11	2	1.08	.02	.05	<2	.1	27	.3	.1	3.6	2
52182	.4	4.3	4.4	52.6	<30	6	2	298	1.56	1.5	<5	1	28	.02	.2	<.1	34	.26	.025	12	13	.14	93	.11	<2	.89	.02	.05	<2	.1	25	<.3	.1	3.1	2
52183	.4	6.9	5.2	58.4	<30	10	4	175	1.80	2.0	<5	2	34	.03	.3	.1	36	.33	.023	21	15	.17	100	.11	11	1.22	.02	.06	<2	.1	32	.4	<.1	4.0	2
52184	.5	5.1	4.9	56.0	<30	10	4	454	1.93	2.6	<5	2	29	.03	.4	.1	37	.23	.047	14	14	.16	123	.09	2	1.16	.02	.06	<2	.1	50	<.3	.1	3.4	1
52185	.8	5.3	5.1	80.3	30	13	6	961	2.24	3.6	<5	2	30	.08	.4	.1	43	.34	.065	13	18	.16	145	.10	2	1.51	.01	.11	<2	.1	70	.4	<.1	4.8	1
RE 52185	.8	5.0	4.8	76.0	30	12	5	926	2.13	3.6	<5	2	28	.08	.4	<.1	40	.32	.062	13	17	.15	142	.09	<2	1.43	.01	.11	<2	.1	67	.3	.2	4.6	18
52186	.5	7.8	4.9	42.5	<30	12	6	496	2.41	6.0	<5	3	34	.03	.6	.1	45	.30	.059	19	17	.19	111	.09	2	1.24	.02	.06	<2	.1	70	<.3	<.1	3.9	7
52187	.5	5.5	4.9	71.5	<30	14	5	394	2.11	2.1	<5	3	31	.04	.3	<.1	41	.28	.053	13	19	.21	137	.11	3	1.58	.02	.05	<2	.1	38	<.3	<.1	4.7	2
52188	.8	3.9	4.9	93.1	<30	9	5	518	2.14	1.8	<5	2	22	.05	.3	<.1	44	.23	.090	10	17	.13	107	.11	8	1.32	.02	.07	<2	.1	46	<.3	.1	5.4	1
52189	.7	8.5	4.8	40.9	<30	9	7	449	2.84	10.4	<5	3	44	.02	.7	<.1	48	.38	.054	16	18	.20	123	.09	<2	1.51	.02	.07	<2	.2	86	<.3	.1	4.7	2
52190	.9	4.6	6.2	71.7	<30	10	5	221	2.11	2.7	<5	2	22	.03	.3	<.1	40	.22	.116	11	17	.14	123	.11	<2	1.68	.01	.05	<2	.1	49	<.3	.1	6.7	2
52191	.5	4.4	6.2	30.8	<30	9	5	332	1.83	3.6	<5	3	32	.01	.2	<.1	37	.31	.035	16	15	.19	90	.11	<2	1.36	.02	.05	<2	.2	57	<.3	<.1	4.4	1
52192	.4	5.6	5.2	39.4	<30	9	3	317	1.64	2.9	<5	2	36	.02	.2	.1	34	.35	.030	15	14	.21	90	.13	<2	1.48	.02	.07	<2	.1	41	<.3	.1	4.4	1
52193	1.0	9.8	5.8	68.8	31	17	9	1301	2.96	4.0	<5	2	44	.03	.3	<.1	49	.42	.072	29	24	.26	175	.08	<2	2.76	.02	.09	<2	.2	74	<.3	.1	8.0	<1
52194	.5	5.6	4.4	29.6	101	8	5	239	2.05	7.1	<5	3	37	.02	.4	<.1	42	.38	.064	16	16	.20	73	.11	<2	1.03	.03	.06	<2	.1	57	<.3	<.1	3.0	198
52195	.5	4.2	5.8	48.1	<30	7	3	300	1.44	1.1	<5	1	25	.03	.2	<.1	34	.26	.031	11	12	.14	98	.10	<2	1.02	.01	.05	<2	.1	29	<.3	<.1	4.4	3
52196	.7	5.5	5.2	52.9	<30	10	4	611	2.02	3.2	<5	1	35	.03	.3	<.1	44	.33	.051	15	16	.19	109	.09	8	1.38	.02	.06	<2	.1	47	<.3	<.1	4.8	3
52197	.7	5.4	5.4	80.8	40	14	5	428	2.31	3.2	<5	1	28	.04	.2	.1	44	.31	.106	10	17	.17	134	.10	5	1.84	.02	.08	<2	.2	64	<.3	.1	6.6	3
52198	.8	5.1	6.6	82.9	32	10	4	693	1.89	1.5	<5	1	28	.10	.2	<.1	40	.31	.095	10	16	.15	122	.11	2	1.30	.01	.07	<2	.2	44	<.3	.1	6.0	1
52199	.7	6.1	5.6	66.8	33	11	5	282	2.11	2.9	<5	2	26	.05	.3	<.1	43	.26	.094	11	17	.18	101	.12	<2	1.61	.01	.06	<2	.1	40	<.3	.2	5.8	1
52200	.3	4.9	5.8	38.5	<30	10	3	183	1.47	.7	<5	2	33	.02	.2	<.1	28	.32	.029	13	14	.24	79	.12	2	1.42	.02	.07	<2	.1	36	<.3	.1	3.8	2
52201	.8	6.3	5.6	48.0	<30	9	4	202	1.94	2.9	<5	2	29	.02	.4	<.1	40	.25	.045	12	16	.18	93	.10	<2	1.38	.02	.05	<2	.1	30	<.3	.1	5.4	3
52202	.8	5.8	5.5	70.7	34	11	5	507	2.17	1.1	<5	1	30	.03	.2	<.1	42	.29	.061	12	18	.15	125	.08	4	1.47	.02	.07	<2	.1	41	<.3	.1	4.1	1
52203	.7	5.0	5.3	65.8	<30	9	4	319	1.81	1.7	<5	2	26	.03	.3	<.1	38	.24	.052	11	15	.13	107	.09	3	1.11	.02	.06	<2	.1	46	<.3	.1	4.1	5
52204	.7	5.8	5.6	45.4	<30	8	3	149	1.75	2.3	<5	2	25	.02	.3	<.1	36	.22	.044	9	13	.14	102	.11	<2	1.14	.02	.04	<2	.1	52	<.3	<.1	5.4	1
STANDARD D/AU-S	21.5	116.8	89.3	263.4	1943	28	14	1015	4.35	74.2	19	20	59	2.21	9.5	20.5	66	.72	.092	19	49	1.17	241	.15	24	2.38	.05	.75	19	2.1	467	1.0	2.1	6.6	48

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
52205	.5	7.9	6.2	41.2	<30	5	4	175	1.97	5.4	<5	3	24	.05	.5	<.1	39	.23	.041	11	15	.20	88	.10	<2	1.08	.02	.04	15	.1	81	<.3	.1	4.6	<1
52206	.4	8.3	4.7	37.4	<30	8	4	184	2.21	4.8	<5	2	24	.04	.4	.1	50	.24	.057	10	19	.20	80	.11	<2	1.01	.01	.05	3	.1	77	<.3	.1	4.5	1
52207	.5	7.7	5.4	34.4	<30	8	6	228	2.23	3.6	<5	2	37	.07	.6	<.1	45	.38	.037	12	17	.24	84	.11	<2	1.09	.02	.04	<2	.1	103	<.3	.1	5.1	<1
52208	.7	9.6	4.6	53.2	<30	16	6	241	2.76	7.2	<5	3	31	.06	.6	<.1	54	.29	.079	10	20	.24	102	.10	<2	1.65	.01	.10	<2	.1	54	.3	.1	6.3	<1
52209	.7	9.4	5.0	60.4	<30	14	6	320	2.64	7.9	<5	2	27	.07	.6	<.1	50	.24	.112	11	19	.21	154	.10	<2	1.86	.01	.07	<2	.1	65	<.3	.1	6.6	<1
52210	.3	8.1	5.4	31.3	47	7	4	183	1.97	5.7	<5	3	36	.02	.4	<.1	40	.33	.043	16	16	.22	115	.13	2	1.48	.02	.06	<2	.1	41	<.3	<.1	4.0	14
52211	.6	8.9	4.6	43.6	<30	9	6	222	2.54	6.0	<5	3	26	.04	.5	<.1	51	.26	.072	13	19	.20	114	.11	3	1.43	.02	.06	<2	.1	48	<.3	<.1	4.6	<1
52212	.6	9.2	5.3	60.9	54	14	5	246	2.18	5.4	<5	2	28	.07	.5	<.1	43	.28	.055	14	17	.21	112	.10	<2	1.49	.01	.06	<2	.1	58	<.3	.1	5.1	<1
52213	.6	8.3	5.4	70.9	<30	13	5	302	2.27	3.9	<5	2	22	.09	.5	<.1	46	.25	.079	11	20	.22	114	.12	<2	1.54	.01	.06	<2	.1	32	<.3	.2	5.7	<1
52214	.4	11.8	5.2	65.5	72	10	5	256	1.90	3.1	<5	3	29	.07	.4	.1	40	.32	.038	15	17	.31	106	.15	3	1.36	.02	.07	<2	.1	29	<.3	<.1	4.6	19
52215	.4	7.9	5.7	50.9	43	7	4	397	1.94	3.2	<5	3	31	.06	.4	<.1	42	.33	.045	14	17	.22	86	.14	<2	1.12	.02	.06	<2	.1	28	<.3	<.1	4.2	<1
52216	.5	12.5	4.6	70.8	82	17	7	218	2.78	8.0	<5	3	23	.06	.5	<.1	49	.22	.150	11	21	.22	125	.09	2	2.37	.01	.08	<2	.1	41	<.3	.1	6.4	<1
52217	.5	9.4	5.4	53.6	59	9	4	325	1.91	3.6	<5	1	28	.08	.4	<.1	39	.29	.050	10	15	.24	85	.11	<2	1.36	.01	.06	<2	<.1	34	<.3	.1	5.0	<1
52218	.5	8.1	4.1	32.4	54	9	4	185	2.08	5.0	<5	2	23	.05	.5	.1	48	.22	.027	10	16	.17	87	.12	<2	1.22	.01	.04	<2	.1	30	<.3	.1	4.1	5
52219	.4	6.5	4.7	56.9	36	12	4	313	1.87	3.2	<5	2	21	.05	.3	.1	39	.22	.060	10	15	.17	80	.12	<2	1.41	.01	.05	<2	.1	24	<.3	<.1	4.6	<1
52220	.5	9.1	5.1	54.8	50	12	6	251	2.52	4.6	<5	2	25	.07	.5	<.1	54	.30	.054	11	19	.25	99	.14	7	1.63	.02	.08	<2	.1	26	<.3	.2	5.6	1
52221	.6	7.1	5.7	60.5	<30	14	5	261	2.35	3.0	<5	2	23	.07	.3	<.1	46	.24	.087	10	18	.19	103	.12	<2	1.67	.01	.05	<2	.1	30	<.3	<.1	6.2	<1
52222	.6	8.5	6.3	66.7	<30	10	4	247	2.23	3.5	<5	2	27	.07	.5	<.1	48	.30	.048	11	18	.22	85	.15	2	1.39	.02	.05	<2	.1	37	<.3	.1	6.3	<1
52223	.9	8.2	5.4	59.1	<30	11	5	324	2.73	6.3	<5	3	25	.07	.4	<.1	62	.26	.068	12	22	.18	95	.13	<2	1.54	.02	.05	<2	.1	40	<.3	<.1	6.1	6
52224	.3	7.1	5.8	30.2	<30	5	2	214	1.44	1.9	<5	2	30	.04	.4	<.1	32	.31	.015	13	14	.18	73	.14	3	1.05	.02	.05	<2	.1	14	<.3	.1	4.2	<1
52225	.4	7.1	6.0	44.5	31	6	3	318	1.61	1.6	<5	2	25	.03	.2	<.1	34	.27	.024	11	13	.18	75	.11	<2	1.11	.02	.05	<2	<.1	24	<.3	<.1	3.5	<1
52226	.6	8.5	6.1	73.6	48	15	6	210	2.58	3.4	<5	2	25	.08	.3	.1	49	.26	.101	11	19	.21	132	.11	<2	1.97	.01	.06	<2	.1	22	<.3	.1	6.2	<1
RE 52226	.6	8.6	5.8	74.7	38	18	5	208	2.48	3.8	<5	2	26	.09	.3	<.1	48	.27	.097	11	19	.20	130	.12	<2	1.98	.01	.06	<2	<.1	23	<.3	.1	6.6	<1
52227	.6	6.7	5.6	106.6	<30	12	4	447	1.97	2.0	<5	2	24	.12	.2	<.1	41	.29	.095	10	16	.19	134	.12	<2	1.36	.01	.06	<2	<.1	27	<.3	<.1	5.8	<1
52228	.4	7.4	6.4	39.6	63	8	4	294	1.66	1.7	<5	2	32	.06	.4	.1	35	.38	.019	13	16	.24	63	.14	3	1.23	.02	.07	<2	.1	31	<.3	.2	4.7	<1
52229	.7	7.4	5.8	60.1	<30	8	5	208	2.31	3.4	<5	2	23	.10	.3	.1	51	.24	.067	10	18	.17	102	.12	<2	1.37	.01	.05	<2	<.1	45	<.3	<.1	6.0	1
52230	.7	6.4	5.8	58.0	85	7	5	697	2.11	1.2	<5	1	27	.13	.3	.1	46	.33	.068	10	17	.19	169	.13	2	1.25	.01	.05	<2	<.1	29	<.3	.1	5.8	<1
52231	.6	7.2	6.1	76.8	<30	11	3	512	2.22	2.3	<5	2	30	.14	.2	.1	50	.34	.068	10	18	.20	102	.14	2	1.33	.01	.06	<2	<.1	43	<.3	<.1	6.5	16
52232	.5	9.9	4.9	57.6	59	12	6	400	3.02	3.3	<5	3	37	.08	.3	.1	62	.38	.123	13	24	.26	109	.15	3	1.66	.02	.09	<2	<.1	24	<.3	.1	5.5	<1
52233	.5	7.3	5.1	41.2	74	7	3	710	2.18	1.7	<5	2	38	.10	.3	.1	49	.45	.015	11	17	.16	99	.14	<2	1.30	.02	.06	<2	.1	13	<.3	.2	5.0	1
52234	.7	8.4	4.9	62.7	74	11	5	511	2.48	3.5	<5	3	30	.10	.4	.1	54	.30	.094	13	20	.18	119	.13	<2	1.43	.02	.08	<2	<.1	16	<.3	.2	5.3	13
52235	.9	7.8	4.7	59.3	74	14	5	551	2.44	3.4	<5	2	36	.10	.4	<.1	54	.41	.059	10	21	.23	120	.13	<2	1.52	.02	.07	<2	<.1	34	<.3	.1	5.4	<1
52236	.8	8.2	5.9	56.4	<30	8	5	572	2.32	2.3	<5	2	27	.08	.2	<.1	50	.32	.053	10	18	.22	111	.15	<2	1.46	.01	.05	<2	<.1	19	<.3	<.1	5.5	<1
52237	.6	8.6	4.7	53.2	63	9	5	245	2.21	4.6	<5	3	29	.06	.3	<.1	49	.28	.061	12	18	.15	101	.11	2	1.21	.02	.08	<2	<.1	43	<.3	<.1	3.7	<1
STANDARD D/AU-S	20.5	128.7	83.4	254.4	1944	27	13	942	4.04	73.2	19	19	52	2.10	11.0	20.8	61	.64	.085	16	46	1.07	217	.13	24	2.12	.04	.68	20	2.1	470	1.0	2.3	6.8	53

Sample type: SOIL. 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

GEOCHEMICAL EXTRACTION-ANALYSIS CERTIFICATE

Cut-off

Phelps Dodge Corp. PROJECT 248 File # 95-4230 Page 1

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

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
55488	.4	4.4	4.8	33.2	<30	4	2	108	1.13	1.9	<5	2	23	.01	.2	.1	26	.20	.017	9	11	.16	77	.10	4	.84	.02	.02	<2	.1	32	<.3	.1	2.4	2
55489	.6	5.1	4.6	56.3	<30	6	3	262	1.67	2.4	<5	3	27	.01	.2	.1	35	.21	.044	10	14	.15	101	.09	<2	1.19	.02	.04	<2	.1	45	<.3	.1	3.0	3
55490	.4	4.8	4.5	47.7	<30	7	3	215	1.59	2.3	<5	3	27	.01	.2	.1	36	.23	.031	11	14	.16	97	.11	2	1.00	.02	.04	<2	<.1	30	<.3	<.1	2.7	2
55491	.6	5.9	4.1	52.1	<30	9	3	246	2.03	3.0	<5	2	33	.03	.2	.1	39	.25	.079	11	16	.14	111	.07	<2	1.32	.01	.04	<2	.1	36	<.3	.1	3.3	1
55492	.4	4.9	3.7	32.8	<30	6	2	160	1.52	2.3	<5	2	23	.01	<.2	.1	34	.20	.022	10	14	.19	68	.10	<2	.88	.02	.03	<2	<.1	17	<.3	.1	2.2	2
55493	.6	5.5	4.4	73.9	<30	18	5	187	2.25	2.7	<5	3	24	.04	<.2	.1	42	.20	.112	10	18	.17	130	.10	2	1.90	.01	.05	<2	.1	37	<.3	.1	4.5	6
55494	.7	5.0	4.2	72.9	<30	12	5	249	2.26	2.7	<5	3	23	.05	.2	<.1	43	.19	.167	9	18	.15	102	.09	2	1.65	.01	.06	<2	.1	33	<.3	.1	4.7	1
55495	.3	4.6	4.4	32.1	<30	5	2	142	1.29	1.6	<5	3	26	<.01	<.2	<.1	28	.23	.023	10	13	.19	77	.12	2	.84	.02	.04	<2	.1	18	<.3	.1	2.2	1
55496	.8	4.3	4.8	70.7	<30	7	3	456	1.72	1.2	<5	2	29	.01	<.2	.1	37	.28	.038	9	17	.17	90	.11	<2	1.22	.02	.04	<2	.1	38	<.3	.1	3.2	<1
55497	.6	5.5	5.3	40.8	<30	6	3	236	1.53	2.9	<5	3	28	.01	.2	.1	37	.25	.032	11	14	.18	76	.12	<2	.95	.02	.04	<2	<.1	42	<.3	.1	2.8	1
55498	.4	4.7	4.9	46.0	<30	8	3	225	1.72	2.4	<5	3	27	.01	.2	.1	39	.25	.041	11	17	.17	80	.12	2	1.10	.01	.04	<2	.1	18	<.3	<.1	3.4	1
55499	.4	4.3	4.6	32.7	<30	7	3	136	1.55	2.4	<5	2	28	<.01	<.2	.1	37	.23	.026	10	15	.17	73	.12	2	.89	.02	.03	<2	.1	31	<.3	<.1	2.3	3
55500	.4	6.1	4.1	34.1	<30	8	3	128	1.80	3.1	<5	3	26	.01	.4	<.1	43	.25	.030	11	16	.16	68	.12	<2	.81	.02	.03	<2	<.1	22	<.3	<.1	2.4	3
55717	.4	5.1	4.4	41.2	48	6	3	131	1.71	3.0	<5	3	26	<.01	.2	<.1	41	.24	.028	11	16	.17	79	.14	<2	.82	.02	.04	<2	.1	33	<.3	<.1	2.0	2
55718	.7	9.4	4.7	66.3	37	12	6	214	2.90	5.4	<5	3	35	.03	.2	.1	57	.27	.128	11	22	.23	148	.09	7	2.16	.02	.07	<2	.1	37	<.3	.1	5.2	2
55719	.5	5.3	4.5	38.9	58	7	4	303	1.57	2.1	<5	1	29	.01	<.2	.1	34	.26	.035	12	14	.18	76	.08	3	.96	.02	.06	<2	.1	40	<.3	<.1	2.5	25
55720	.4	5.4	4.2	33.0	<30	6	3	220	1.42	2.0	<5	2	24	<.01	<.2	<.1	31	.23	.019	10	13	.19	76	.10	<2	.92	.02	.04	<2	.1	25	<.3	<.1	2.4	8
55721	.4	5.3	5.4	30.0	<30	5	3	143	1.41	2.2	<5	3	30	<.01	.2	.1	32	.25	.021	12	13	.16	76	.11	<2	.86	.02	.04	<2	<.1	24	<.3	.1	2.9	2
RE 55721	.4	4.7	4.4	30.0	<30	6	2	141	1.40	1.9	<5	2	31	<.01	<.2	.1	32	.26	.021	13	13	.16	83	.11	<2	.88	.02	.05	<2	.1	26	<.3	<.1	2.2	8
55722	.3	5.2	4.0	32.0	<30	6	2	170	1.19	1.0	<5	2	30	<.01	<.2	<.1	25	.26	.021	12	13	.16	69	.10	<2	1.04	.02	.05	<2	<.1	30	<.3	<.1	1.6	1
55723	.5	6.0	4.2	55.7	<30	10	5	285	2.23	3.1	<5	3	42	.03	<.2	.1	43	.30	.094	11	20	.17	139	.09	<2	1.53	.01	.06	<2	<.1	40	<.3	.1	3.9	1
55724	.8	8.9	5.5	81.4	73	14	7	671	2.61	4.1	6	3	41	.02	.2	.2	50	.33	.105	13	21	.21	152	.13	3	2.03	.01	.06	<2	.1	37	.3	.1	5.6	2
55725	.5	6.5	6.5	44.2	36	11	4	239	2.32	3.9	<5	3	32	.02	.2	.1	53	.32	.062	14	22	.20	81	.15	2	1.11	.02	.05	<2	<.1	31	<.3	<.1	2.9	2
55726	.4	7.4	4.2	36.9	129	8	4	212	2.15	3.7	<5	3	29	.02	.2	.1	47	.28	.041	12	18	.22	79	.13	<2	1.17	.02	.05	<2	.1	20	<.3	.1	3.0	202
55727	.6	18.5	5.8	53.2	83	15	6	444	3.14	6.3	<5	5	55	<.01	.2	.1	58	.48	.070	32	27	.30	177	.12	<2	2.48	.02	.11	<2	<.1	48	.4	<.1	5.9	6
55728	1.0	7.8	5.8	47.3	48	11	4	221	2.05	4.1	6	3	22	.01	.2	.1	46	.18	.071	10	18	.15	98	.11	7	1.63	.02	.04	<2	.1	35	.3	.1	5.5	1
55729	.5	4.6	4.2	35.5	<30	8	3	143	1.42	1.3	<5	2	20	<.01	.2	.1	32	.21	.032	9	14	.15	74	.10	<2	1.15	.01	.04	<2	<.1	24	<.3	<.1	3.0	2
55730	.8	5.0	5.2	44.2	<30	12	5	127	2.09	2.9	<5	2	21	<.01	.2	.1	42	.18	.069	9	18	.16	127	.09	<2	1.90	.01	.04	<2	<.1	39	<.3	<.1	4.8	3
55731	.5	4.4	4.4	28.3	<30	6	3	148	1.48	2.1	<5	2	24	<.01	.2	.1	33	.22	.033	10	13	.16	89	.11	<2	1.02	.01	.04	<2	.1	23	<.3	<.1	3.1	5
55732	.6	4.4	4.6	35.2	37	6	4	124	1.70	2.5	<5	2	22	<.01	.2	.1	37	.20	.036	10	14	.14	77	.09	<2	.88	.01	.04	<2	<.1	27	<.3	<.1	2.8	28
55733	.4	4.5	4.2	26.8	<30	6	2	151	1.57	2.7	<5	2	29	<.01	<.2	.1	35	.26	.037	11	13	.17	74	.10	2	.91	.02	.04	<2	.1	26	<.3	.1	2.4	2
55734	.4	5.3	4.8	44.6	<30	6	2	124	1.51	1.3	8	2	25	<.01	<.2	.1	35	.28	.020	11	15	.17	79	.11	<2	.85	.02	.04	<2	<.1	15	.3	<.1	2.6	3
55735	.4	5.1	4.2	36.9	38	8	3	149	1.69	2.0	5	2	31	<.01	.2	.1	40	.33	.039	13	15	.22	80	.12	<2	.96	.02	.04	<2	<.1	16	<.3	<.1	2.8	1
55736	.4	7.4	4.3	48.5	62	9	4	251	1.88	1.4	<5	2	34	.02	.3	.2	39	.35	.031	16	16	.21	116	.09	2	.99	.02	.06	<2	<.1	30	<.3	<.1	2.9	2
STANDARD D/C/AU-S	21.8	115.1	82.6	269.1	1876	27	15	903	4.28	76.1	19	21	58	2.23	9.3	20.5	68	.68	.094	16	50	1.13	241	.14	24	2.24	.04	.70	19	2.4	1878	.8	2.0	6.8	51

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

DATE RECEIVED: OCT 20 1995 DATE REPORT MAILED: Nov 2/95 SIGNED BY. C. Leong 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
55737	.4	7.3	3.3	55.4	<30	11	4	270	2.43	2.5	<5	2	32	.05	.5	.1	54	.29	.032	11	20	.19	71	.11	<2	.77	.03	.07	<2	<.1	27	<.3	.1	2.6	5
55738	.5	6.5	3.8	52.0	43	7	3	269	2.22	2.6	<5	2	74	.07	.2	.2	37	.60	.075	11	16	.20	144	.06	<2	1.26	.02	.10	<2	<.1	50	<.3	.1	3.2	3
55739	.3	3.9	3.3	24.6	49	6	2	126	1.39	2.1	<5	2	20	.01	<.2	.1	35	.21	.020	10	12	.15	55	.12	<2	.70	.02	.04	<2	.1	39	<.3	.1	2.1	232
55740	.3	3.3	4.1	20.4	<30	5	2	127	1.07	2.2	<5	3	31	.03	.2	.1	25	.36	.032	11	12	.16	62	.12	3	.77	.02	.05	<2	<.1	35	.3	.1	1.9	3
55741	.4	5.2	3.5	35.4	<30	7	3	166	1.83	3.3	<5	3	25	.02	.2	.1	44	.27	.041	12	16	.19	65	.14	2	.88	.03	.05	<2	<.1	21	<.3	<.1	2.3	<1
55742	.4	5.8	3.4	30.0	<30	9	4	213	2.04	5.1	<5	3	29	.02	.3	.1	47	.28	.050	12	19	.18	73	.12	2	.95	.03	.06	<2	.1	34	<.3	.1	2.2	<1
55743	.3	4.7	4.5	30.4	<30	4	2	131	1.56	2.5	<5	3	26	.01	<.2	.1	37	.27	.040	12	15	.18	86	.13	<2	1.01	.03	.05	<2	<.1	31	<.3	<.1	2.2	<1
55744	.5	4.7	4.4	22.7	<30	6	3	133	1.58	2.7	<5	3	27	.01	<.2	.1	38	.28	.039	12	14	.20	88	.13	<2	1.12	.03	.04	<2	<.1	30	<.3	.1	2.8	12
55745	.4	4.7	3.4	53.0	31	9	4	300	2.08	2.5	<5	2	27	.05	.2	.1	50	.29	.055	11	19	.16	83	.13	<2	.92	.02	.09	<2	.1	17	<.3	.2	2.6	<1
RE 55745	.5	5.1	3.5	53.8	<30	9	3	301	2.04	2.8	<5	2	27	.06	.2	.1	49	.29	.053	11	19	.16	86	.13	<2	.90	.03	.09	<2	<.1	20	<.3	.1	2.8	<1
55746	.6	8.9	4.3	38.2	<30	7	6	238	2.56	5.8	<5	4	33	.03	.7	.1	58	.35	.072	15	21	.19	76	.13	<2	.87	.03	.09	<2	.1	42	<.3	<.1	2.6	4
55747	.5	5.2	4.3	35.5	<30	8	4	158	1.83	3.9	<5	2	26	.02	.2	.1	42	.24	.023	10	15	.18	81	.12	<2	.95	.02	.05	<2	.1	16	<.3	<.1	2.7	<1
55748	.3	4.1	4.7	16.3	<30	4	1	120	1.10	2.5	<5	2	25	.01	.2	<.1	28	.27	.023	10	12	.16	46	.13	<2	.74	.03	.04	<2	.1	23	<.3	.1	2.2	2
55749	.3	5.4	4.1	31.7	<30	8	3	153	1.51	2.3	<5	2	28	.02	<.2	<.1	36	.26	.022	10	13	.17	74	.12	<2	.95	.01	.04	<2	.1	36	<.3	<.1	2.7	<1
55750	.5	6.8	5.8	35.9	<30	6	3	241	1.57	3.8	<5	2	25	.03	.2	<.1	37	.25	.027	11	14	.16	67	.11	2	.97	.02	.05	<2	.1	17	<.3	<.1	3.7	3
55751	.4	5.0	4.1	29.6	<30	6	3	154	1.63	2.7	<5	2	28	.01	.2	.1	40	.30	.026	12	16	.19	64	.14	3	.84	.02	.05	<2	.1	18	<.3	.1	2.5	<1
55752	.3	4.6	3.7	21.1	<30	5	3	135	1.37	2.6	<5	3	26	.01	.2	.1	34	.28	.029	12	14	.15	44	.13	<2	.71	.03	.05	<2	.1	22	<.3	.1	2.2	16
55753	.5	5.8	4.0	60.5	<30	10	4	205	2.14	2.4	<5	2	30	.05	.2	.1	44	.31	.099	10	19	.21	103	.11	<2	1.39	.01	.07	<2	<.1	38	<.3	.1	3.9	<1
55754	.4	7.0	3.8	65.9	57	9	5	332	2.14	3.7	<5	2	34	.08	.3	.1	48	.31	.058	11	19	.20	77	.12	<2	1.11	.02	.10	<2	.1	26	<.3	.1	3.5	<1
55755	1.3	36.0	6.3	45.2	278	38	9	705	3.37	9.0	<5	2	153	.47	.8	.3	50	1.73	.081	28	28	.43	181	.07	6	2.47	.04	.25	<2	.2	171	.9	.1	5.8	4
55756	1.2	11.1	5.9	179.6	57	13	8	969	2.75	2.9	<5	1	66	.51	.2	.1	56	.76	.214	12	30	.26	239	.11	4	1.44	.01	.11	<2	.1	45	<.3	<.1	5.4	1
55757	.9	7.3	6.1	124.9	63	14	7	452	2.60	6.0	<5	2	36	.19	.6	.1	56	.38	.081	8	22	.28	174	.12	3	1.82	.01	.07	<2	.1	40	<.3	<.1	6.1	3
55758	.6	7.1	4.7	105.0	40	15	6	387	2.38	4.4	<5	2	24	.09	.2	.1	53	.24	.091	8	20	.31	141	.10	<2	1.99	.02	.06	<2	.1	46	<.3	.1	6.1	<1
55759	.8	5.8	4.6	87.0	72	11	6	537	2.46	5.0	<5	2	26	.05	.2	.1	55	.22	.102	8	20	.23	167	.10	3	1.83	.01	.05	<2	.1	43	<.3	.1	5.0	102
55760	.6	5.6	4.8	79.1	<30	9	6	403	2.40	1.9	<5	2	28	.05	<.2	.1	58	.29	.066	9	17	.27	237	.08	2	1.55	.02	.05	<2	.1	34	<.3	.1	5.6	<1
55761	.5	5.3	3.9	45.8	<30	8	5	251	2.29	2.4	<5	2	26	.04	<.2	<.1	53	.31	.060	8	19	.20	99	.12	3	1.35	.02	.05	<2	.1	24	<.3	.1	4.0	<1
55762	.7	5.1	4.4	32.7	<30	6	5	229	2.37	2.3	<5	2	25	.03	<.2	<.1	58	.33	.043	8	20	.21	99	.14	3	1.31	.02	.05	<2	.1	32	<.3	.1	4.0	<1
55763	.5	7.4	5.3	26.6	<30	6	3	197	2.44	4.9	<5	2	38	.02	<.2	<.1	61	.39	.021	8	20	.28	97	.16	2	1.20	.03	.04	<2	<.1	10	<.3	.1	4.5	1
55764	.6	9.3	6.0	46.0	<30	10	5	228	2.93	3.5	<5	2	22	.05	.2	<.1	69	.27	.090	9	23	.26	95	.13	2	1.38	.01	.05	<2	.1	36	<.3	.2	6.1	1
55765	.4	6.3	3.8	51.8	<30	9	5	269	2.31	2.2	<5	2	22	.03	<.2	<.1	58	.28	.050	10	21	.23	80	.16	<2	1.17	.02	.05	<2	.1	15	<.3	<.1	3.2	3
55766	.4	5.4	4.0	52.9	31	11	5	371	2.44	1.9	<5	2	25	.03	<.2	<.1	59	.29	.074	8	21	.22	95	.15	<2	1.33	.02	.04	<2	.1	18	<.3	<.1	3.6	<1
55767	.5	9.5	6.7	46.2	<30	9	5	212	2.37	3.4	<5	2	26	.03	<.2	.1	60	.34	.045	8	22	.23	95	.16	<2	1.39	.02	.05	<2	.2	16	<.3	.2	6.4	<1
55768	.4	29.9	5.0	47.9	139	6	8	552	3.20	4.4	<5	2	38	.06	.2	.1	74	.60	.042	13	19	.53	457	.13	2	1.91	.03	.13	<2	<.1	26	<.3	.1	6.7	1
55769	.4	10.2	4.0	41.1	<30	7	5	244	2.80	2.4	<5	2	23	.04	.3	<.1	67	.35	.037	10	20	.31	98	.14	3	1.00	.02	.08	<2	.1	14	<.3	.1	4.2	<1
STANDARD	22.7	121.5	85.6	263.8	1908	26	13	891	4.10	77.8	17	20	54	2.28	9.5	20.3	67	.63	.089	16	50	1.08	234	.14	22	2.11	.04	.70	18	2.6	1870	.8	2.2	6.8	52

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
55770	.5	6.6	4.1	41.2	<30	7	4	244	2.81	2.4	<5	3	19	.05	<.2	.2	69	.30	.040	8	22	.24	77	.16	<2	.88	.01	.06	<2	.1	23	<.3	.1	2.9	4
55771	.6	7.3	4.9	51.6	<30	12	6	322	3.00	4.6	<5	3	19	.08	<.2	.2	68	.28	.099	9	23	.29	89	.13	2	1.23	.01	.05	<2	<.1	19	<.3	<.1	3.6	4
55772	.6	5.6	5.0	57.9	<30	10	7	237	2.92	4.1	<5	3	20	.08	<.2	.2	61	.22	.120	8	20	.27	111	.09	2	1.46	.01	.07	<2	.1	34	<.3	.1	4.1	2
55773	.4	6.3	5.0	46.0	116	5	5	303	2.65	2.5	<5	2	30	.09	<.2	.1	63	.47	.041	8	19	.21	227	.12	2	1.13	.01	.04	<2	.1	28	<.3	.1	3.8	<1
55774	.3	3.7	2.3	26.1	<30	2	4	354	1.90	1.0	<5	1	13	.02	.5	.1	44	.31	.028	3	5	.21	179	.01	<2	1.04	<.01	.03	<2	<.1	18	<.3	.1	2.3	<1
55775	1.2	12.2	8.7	73.7	<30	20	9	469	6.14	8.3	<5	4	28	.04	.2	.3	150	.40	.122	14	47	.51	182	.29	4	2.63	.03	.07	<2	.1	34	<.3	.2	7.9	1
55797	.4	6.5	5.2	27.2	<30	8	3	162	2.26	2.6	<5	2	35	.01	<.2	.1	47	.42	.029	10	17	.27	123	.11	<2	1.27	.03	.04	<2	.1	18	<.3	.1	3.6	<1
55798	.6	7.4	5.1	50.4	<30	10	6	322	2.50	6.1	<5	3	20	.02	.2	.1	58	.25	.061	11	20	.23	190	.13	<2	1.69	.02	.04	<2	.1	27	<.3	.1	4.5	<1
55799	.9	7.0	6.1	81.0	<30	12	6	351	2.28	3.3	<5	2	22	.07	.2	.2	48	.22	.113	8	17	.17	105	.12	<2	1.72	.01	.05	<2	.1	23	<.3	.1	6.2	3
55800	.5	5.8	5.5	45.0	<30	7	4	206	1.99	2.6	<5	2	26	.05	<.2	.1	45	.32	.034	9	16	.20	89	.11	<2	1.10	.01	.08	<2	<.1	16	<.3	<.1	3.8	2
55801	1.3	8.4	5.5	53.4	<30	9	8	1868	2.18	3.4	<5	2	39	.04	.2	.2	44	.33	.058	17	19	.22	134	.08	2	1.69	.02	.06	<2	.2	53	<.3	.1	4.4	1
55802	.6	6.6	5.9	49.0	<30	9	4	231	2.01	3.0	<5	2	31	.02	.2	.1	45	.29	.044	12	17	.19	76	.11	<2	1.16	.02	.05	<2	.1	33	<.3	.1	3.6	2
55803	.9	7.4	4.3	39.3	<30	8	4	178	2.51	8.3	<5	3	34	.01	.5	.1	54	.25	.033	12	21	.16	88	.13	<2	.96	.02	.05	<2	.1	89	<.3	<.1	2.8	1
55804	.5	5.6	6.7	34.4	<30	8	4	189	1.56	3.1	<5	2	33	<.01	.2	.1	35	.32	.034	13	14	.18	91	.11	2	.96	.02	.05	<2	.1	70	<.3	.1	2.9	1
55805	.7	6.3	5.6	40.0	<30	7	4	167	1.94	4.0	<5	2	28	.01	.2	.1	44	.20	.031	12	17	.16	78	.09	3	1.17	.01	.05	<2	.1	28	<.3	.1	3.8	<1
55806	.7	6.9	5.9	49.5	<30	10	5	159	2.15	2.9	<5	2	28	.01	.2	.1	47	.20	.042	12	18	.17	90	.07	<2	1.23	.01	.03	<2	.1	32	<.3	.1	3.9	1
55807	.4	5.0	5.4	51.5	<30	7	2	141	1.54	1.3	<5	2	26	.02	<.2	.1	35	.28	.025	11	13	.17	76	.10	<2	.95	.01	.06	<2	<.1	19	<.3	.1	3.3	<1
55808	.6	7.0	5.3	76.0	36	11	6	153	2.31	2.2	<5	2	32	.04	.2	.1	50	.29	.090	11	20	.16	110	.09	<2	1.29	.01	.06	<2	<.1	25	<.3	.1	4.6	<1
55809	.6	7.2	6.2	75.9	60	8	5	298	1.94	1.9	<5	2	29	.04	.2	.1	40	.26	.066	11	17	.18	119	.10	<2	1.42	.01	.05	<2	.1	28	<.3	.1	4.9	1
55810	.7	9.1	6.7	66.2	32	8	6	918	2.16	2.8	<5	2	43	.09	.2	.1	47	.36	.058	13	19	.18	161	.08	<2	1.04	.02	.05	<2	<.1	31	<.3	.1	3.5	2
55811	.6	8.0	5.9	77.8	<30	13	7	390	2.61	3.6	<5	2	35	.06	.2	.1	56	.30	.074	10	23	.21	137	.08	<2	1.89	.01	.07	<2	.1	29	<.3	.1	5.7	1
55812	.4	5.7	5.7	44.6	<30	5	3	198	1.45	1.7	<5	2	25	.01	.2	.1	32	.24	.024	11	12	.17	78	.11	2	1.03	.01	.05	<2	.1	25	<.3	.1	3.3	3
RE 55812	.4	5.1	5.0	46.2	<30	7	3	204	1.49	1.7	<5	2	26	<.01	<.2	.1	33	.25	.023	12	14	.18	75	.11	<2	1.06	.02	.05	<2	<.1	28	<.3	.1	2.8	2
55813	.8	12.9	6.9	69.7	<30	10	10	905	2.52	4.8	<5	3	48	.01	.2	.1	47	.43	.052	22	22	.27	165	.10	<2	2.17	.02	.08	<2	.1	57	.3	<.1	6.0	2
55814	.4	5.9	5.6	34.4	<30	6	3	162	1.53	2.1	<5	2	26	<.01	<.2	.1	33	.24	.026	11	13	.20	83	.10	<2	1.08	.02	.04	<2	.1	30	<.3	<.1	3.2	<1
55815	.5	4.9	5.6	46.0	<30	7	4	469	1.67	2.1	<5	1	25	.02	<.2	.1	39	.26	.038	10	14	.15	82	.11	<2	1.15	.01	.05	<2	.1	34	<.3	.1	3.8	<1
55816	.4	4.7	5.7	34.8	<30	5	2	137	1.36	1.9	<5	2	22	<.01	<.2	.1	33	.22	.018	9	12	.17	60	.12	<2	.92	.01	.06	<2	.1	20	<.3	.1	2.9	9
55817	.5	6.1	6.0	55.5	<30	11	5	252	2.05	3.2	<5	2	25	.02	<.2	.1	40	.25	.062	9	16	.17	90	.10	2	1.65	.01	.05	<2	.1	31	<.3	.1	5.4	1
55818	.4	5.6	5.6	33.6	<30	7	3	190	1.47	2.3	<5	2	24	<.01	.2	.1	33	.23	.017	10	13	.18	82	.12	<2	1.09	.02	.03	<2	.1	33	<.3	<.1	3.6	1
55819	.7	5.9	6.0	44.3	<30	10	6	160	2.08	4.6	<5	2	24	.03	<.2	.1	43	.27	.066	8	16	.19	106	.11	<2	1.67	.01	.05	<2	<.1	37	<.3	.1	5.7	1
55820	.4	4.1	5.6	25.7	<30	6	3	143	1.70	2.2	<5	2	23	<.01	.2	.1	39	.25	.019	8	15	.17	77	.13	<2	1.08	.01	.05	<2	<.1	18	<.3	.1	3.4	2
55821	.3	4.6	4.4	21.6	<30	4	3	143	1.49	3.5	<5	2	27	<.01	.2	<.1	32	.30	.025	9	13	.15	65	.11	<2	.83	.02	.05	<2	<.1	21	<.3	<.1	2.5	1
55822	.2	3.9	5.3	35.6	<30	6	2	111	1.22	1.6	<5	2	19	<.01	<.2	<.1	29	.21	.022	8	11	.13	67	.11	<2	.91	.01	.04	<2	<.1	16	<.3	.1	3.0	32
55823	.5	4.7	4.8	39.5	<30	6	3	162	1.66	2.9	<5	2	22	.01	<.2	.1	40	.22	.021	8	14	.18	77	.11	2	.89	.02	.04	<2	<.1	19	<.3	<.1	3.0	1
STANDARD	22.6	118.5	91.6	265.8	1866	25	13	893	4.24	74.5	19	20	56	2.26	10.6	22.9	66	.66	.092	16	50	1.12	239	.14	26	2.23	.05	.71	18	2.4	1899	1.0	2.0	6.8	48

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
55824	.5	4.1	4.6	37.4	<30	7	3	378	1.83	3.3	<5	2	19	.02	.3	.1	42	.20	.038	9	14	.17	85	.09	<2	1.13	.01	.04	<2	.1	50	<.3	<.1	3.8	<1
55825	.4	4.1	4.2	38.3	<30	5	3	238	1.55	1.5	<5	3	17	.01	.2	.1	35	.16	.029	10	13	.15	81	.09	<2	1.05	.01	.03	<2	.1	34	<.3	<.1	3.1	1
55826	.7	4.4	4.0	43.7	43	7	5	321	1.94	2.8	<5	2	25	.03	.4	<.1	45	.24	.036	10	17	.14	115	.09	<2	.97	.01	.05	<2	.1	30	<.3	<.1	3.3	13
55827	.3	5.0	4.1	41.3	<30	5	3	184	1.60	2.6	<5	2	26	.01	.2	<.1	36	.28	.050	12	14	.16	78	.09	2	.95	.02	.04	<2	.1	29	<.3	<.1	2.6	4
55828	.4	23.7	1.9	77.2	77	4	13	539	5.03	1.7	<5	1	23	.07	.6	.1	121	.53	.057	7	8	1.23	253	<.01	<2	3.98	<.01	.09	<2	<.1	47	<.3	.1	9.8	<1
55829	.5	11.8	2.7	113.3	42	3	12	825	4.65	2.3	<5	1	24	.27	.9	.1	98	.54	.105	5	9	.53	334	.01	<2	2.88	<.01	.13	<2	.1	50	<.3	.1	6.8	<1
55830	1.2	12.0	6.6	175.5	84	14	13	1255	3.69	7.6	<5	1	52	.29	.5	<.1	81	.68	.123	10	20	.46	405	.08	<2	3.02	.02	.11	<2	<.1	90	<.3	<.1	7.2	30
55831	.9	7.1	5.8	89.2	128	12	8	628	2.57	4.2	<5	1	33	.10	.2	.1	55	.38	.058	10	21	.29	171	.10	<2	2.14	.02	.09	<2	.1	49	<.3	<.1	6.4	14
55832	.4	5.4	3.1	40.2	40	7	4	222	2.20	3.3	<5	2	24	.03	.3	.1	52	.25	.029	10	18	.19	76	.12	3	.93	.01	.09	<2	.1	29	<.3	<.1	3.1	<1
55833	.4	16.2	2.5	84.9	56	3	12	632	5.06	4.0	<5	1	24	.10	.8	<.1	96	.40	.056	10	10	.84	266	.01	<2	2.99	.01	.14	<2	<.1	24	<.3	<.1	8.0	1
55834	.3	13.2	2.3	84.5	45	2	14	656	4.67	3.2	<5	2	27	.09	.5	.1	85	.46	.090	9	10	1.08	203	.01	<2	3.14	.01	.14	<2	<.1	26	<.3	<.1	7.7	1
RE 55835	.7	5.6	5.0	110.2	<30	6	8	534	2.75	2.3	<5	2	24	.11	.2	.1	59	.24	.110	8	21	.19	137	.10	<2	1.60	.01	.05	<2	<.1	35	<.3	<.1	6.0	<1
55835	.7	5.8	5.4	113.2	<30	8	8	548	2.83	2.4	<5	2	25	.12	.2	.1	61	.24	.114	8	21	.19	137	.10	3	1.64	.02	.05	<2	.1	34	<.3	<.1	6.2	<1
55836	.6	5.8	6.0	70.3	37	8	6	320	2.62	4.2	<5	2	37	.07	.2	.1	55	.36	.098	8	20	.23	162	.11	12	1.74	.02	.06	<2	.1	32	<.3	<.1	5.8	2
55837	.5	7.9	3.7	29.1	59	9	4	478	2.40	7.4	<5	4	54	.04	.4	.1	50	.43	.012	19	18	.27	101	.11	3	.99	.03	.06	<2	.1	70	<.3	<.1	3.2	1
55838	1.1	9.1	6.9	98.3	40	12	8	784	3.08	4.0	<5	3	33	.19	.4	.1	63	.30	.158	9	22	.25	174	.11	2	1.80	.02	.07	<2	.1	40	<.3	<.1	6.8	<1
55839	.4	17.8	3.9	38.4	62	4	4	374	2.25	7.2	<5	3	71	.09	.4	.1	48	1.10	.056	14	15	.33	171	.08	<2	1.12	.04	.05	<2	.1	62	<.3	.1	3.9	1
55840	.5	4.0	3.8	27.7	<30	3	3	167	1.66	1.9	<5	2	22	.04	<.2	<.1	42	.26	.035	6	14	.13	52	.11	<2	.88	.01	.05	<2	<.1	14	<.3	.1	3.2	5
55841	.4	4.2	3.7	37.4	<30	6	4	328	2.00	2.5	<5	2	21	.03	.2	<.1	46	.23	.073	7	16	.17	74	.11	<2	1.16	.01	.04	<2	.1	27	<.3	<.1	3.8	9
55842	.4	5.1	3.5	35.4	<30	7	4	237	2.12	2.8	<5	3	23	.04	.2	<.1	52	.27	.050	9	17	.17	79	.12	<2	.99	.01	.06	<2	.1	23	<.3	<.1	3.2	2
55843	.6	5.9	4.3	57.3	37	7	5	754	2.48	2.4	<5	3	32	.10	.2	.1	57	.33	.069	9	20	.22	186	.11	<2	1.25	.01	.08	<2	.1	27	<.3	<.1	4.0	2
55844	.6	5.8	4.3	84.1	64	8	5	996	2.45	2.8	<5	2	29	.11	.2	.1	54	.31	.103	9	19	.22	160	.11	2	1.49	.01	.08	<2	.1	31	<.3	.1	4.4	<1
55845	.9	6.5	4.2	27.8	32	7	4	170	2.46	4.5	<5	2	36	.02	.2	<.1	57	.41	.042	8	19	.22	86	.13	2	1.27	.01	.05	<2	<.1	22	<.3	.1	3.8	<1
55846	.7	3.8	4.7	62.0	31	4	5	431	1.85	1.4	<5	2	21	.07	<.2	<.1	43	.23	.092	8	15	.13	84	.11	4	1.09	.01	.04	<2	.1	37	<.3	<.1	4.5	1
55847	.4	5.0	4.0	57.4	<30	9	5	233	2.51	2.6	<5	2	22	.04	<.2	<.1	55	.27	.125	8	19	.23	116	.13	2	1.40	.01	.04	<2	<.1	22	<.3	.1	4.3	<1
55848	.5	4.5	4.0	40.9	47	6	4	351	2.62	2.6	<5	2	28	.03	<.2	.1	62	.36	.091	7	20	.25	103	.13	2	1.12	.01	.05	<2	.1	25	<.3	<.1	3.9	<1
55849	.5	8.6	4.6	56.1	51	8	5	351	2.51	4.0	<5	3	29	.04	.3	.1	53	.35	.074	13	20	.23	118	.12	3	1.08	.02	.08	<2	.1	28	<.3	.1	3.8	<1
55850	.4	5.5	4.5	48.5	36	8	5	296	2.41	4.6	<5	3	25	.04	.2	.1	53	.27	.071	10	20	.20	99	.12	<2	1.21	.01	.08	<2	.1	16	<.3	.1	3.9	<1
55851	.5	5.0	3.6	51.6	52	7	4	418	2.32	3.3	<5	3	23	.04	.2	.1	55	.31	.060	8	21	.23	111	.13	<2	.96	.01	.08	<2	.1	19	<.3	.1	3.2	1
55852	.5	4.1	4.4	48.3	58	8	3	309	1.96	3.1	<5	2	26	.05	<.2	<.1	46	.35	.078	7	16	.19	130	.08	4	1.10	.01	.07	<2	<.1	23	<.3	.1	3.8	<1
55853	.4	5.4	3.9	39.0	40	7	3	204	2.09	3.6	<5	2	21	.02	.2	<.1	47	.28	.060	8	17	.22	91	.09	2	.98	.01	.06	<2	.1	16	<.3	.1	3.6	3
55854	.5	5.7	5.1	48.7	45	7	4	206	2.40	2.8	<5	2	25	.04	.2	.1	56	.30	.034	9	19	.25	104	.14	2	1.12	.01	.06	<2	.1	13	<.3	.1	3.9	11
55855	.6	6.4	5.2	47.8	34	6	4	328	2.10	4.1	<5	2	24	.03	.2	.1	47	.29	.067	10	17	.20	111	.10	2	1.11	.01	.06	<2	.1	14	<.3	.1	4.1	4
55856	.5	5.6	4.3	55.2	<30	9	5	226	2.33	1.8	<5	3	21	.04	<.2	.1	52	.25	.074	9	20	.25	89	.14	<2	1.29	.01	.04	<2	.1	14	<.3	.1	3.9	1
STANDARD	21.4	114.9	82.2	269.9	1995	24	13	909	4.28	74.9	17	20	57	2.15	9.3	19.5	67	.67	.092	17	51	1.13	236	.15	26	2.25	.04	.72	20	2.2	1864	.7	1.8	6.8	48

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
55857	.8	6.3	4.8	58.1	58	9	6	472	2.27	3.2	<5	3	17	.09	<.2	.1	49	.22	.093	7	19	.21	89	.12	4	1.31	.02	.05	2	.1	35	<.3	<.1	5.0	1
55858	.6	8.7	6.2	50.1	32	10	5	223	2.24	3.3	<5	3	23	.06	<.2	.1	49	.25	.081	9	19	.21	94	.14	3	1.36	.01	.05	2	.1	31	<.3	.1	4.3	1
55859	.6	5.1	4.6	46.0	<30	8	5	405	2.07	2.2	<5	3	22	.06	<.2	.1	46	.20	.061	8	17	.15	128	.10	<2	1.06	.01	.05	2	<.1	22	<.3	.1	3.9	1
55860	.6	7.7	5.2	39.3	<30	7	5	198	2.10	3.7	<5	3	23	.05	.2	<.1	47	.23	.047	9	18	.19	92	.14	<2	1.20	.01	.06	<2	.1	30	<.3	<.1	4.6	8
55861	.6	5.3	4.2	58.3	<30	10	4	380	2.00	2.1	<5	3	20	.05	.2	.1	44	.23	.088	9	17	.16	119	.12	4	1.16	.01	.07	2	.1	43	<.3	.1	3.7	2
55862	.6	6.1	5.2	54.6	<30	9	4	315	1.85	2.3	<5	2	26	.05	.2	.1	43	.28	.042	10	16	.18	148	.15	4	1.09	.02	.08	<2	<.1	25	<.3	<.1	4.4	<1
55863	.5	5.0	4.3	45.6	<30	7	5	196	2.02	2.2	<5	2	23	.04	<.2	<.1	47	.25	.041	9	17	.18	87	.14	2	1.26	.02	.06	<2	.1	24	<.3	.1	3.9	<1
55864	.4	6.6	5.5	48.1	<30	9	4	187	1.94	2.2	<5	2	21	.05	<.2	.1	45	.24	.036	8	17	.21	97	.13	<2	1.27	.02	.05	<2	.1	13	<.3	.1	3.9	<1
55865	.5	6.3	6.2	68.6	<30	10	5	238	1.72	2.0	<5	3	21	.05	<.2	.1	39	.23	.073	8	15	.16	106	.11	3	1.21	.01	.05	<2	.1	29	<.3	.1	3.3	<1
55866	.5	6.0	5.8	64.1	<30	11	4	306	1.83	2.2	<5	2	25	.07	<.2	<.1	41	.28	.056	8	15	.21	87	.13	3	1.21	.02	.06	<2	.1	22	<.3	<.1	5.1	1
55867	.5	6.7	4.7	44.7	<30	8	4	191	1.98	2.9	<5	3	20	.05	<.2	.1	46	.20	.052	9	17	.16	87	.13	2	1.19	.02	.05	<2	<.1	17	<.3	<.1	4.0	2
55868	.6	7.9	4.9	53.2	<30	13	6	198	2.45	5.5	<5	3	22	.06	.2	.1	53	.19	.116	10	19	.19	130	.11	3	1.45	.02	.05	<2	.1	45	<.3	.1	4.9	2
55869	.6	9.2	6.1	73.3	<30	11	5	166	2.06	3.4	<5	2	20	.07	<.2	.1	46	.21	.051	9	18	.24	99	.14	4	1.60	.02	.05	<2	.1	25	<.3	<.1	5.1	1
55870	.7	8.7	6.4	74.1	<30	10	6	165	2.07	4.9	<5	3	20	.03	.5	.1	46	.21	.050	9	19	.24	97	.14	3	1.60	.01	.05	<2	.2	20	<.3	.1	4.5	1
55871	.7	7.5	6.5	50.5	<30	7	4	405	1.56	3.2	<5	1	29	.06	.2	<.1	36	.28	.031	9	14	.16	84	.11	2	1.14	.02	.05	<2	.2	35	<.3	<.1	3.6	<1
55872	.4	5.4	5.2	58.4	<30	8	4	221	1.70	1.9	<5	2	29	.04	<.2	.1	39	.32	.037	9	15	.20	87	.15	3	1.19	.02	.06	<2	.1	34	<.3	<.1	3.6	1
55873	.5	6.6	5.0	42.3	<30	8	5	190	2.03	3.1	<5	2	24	.04	.2	.1	45	.25	.069	9	18	.17	86	.13	2	1.33	.01	.07	<2	.1	24	<.3	<.1	4.3	1
55874	.6	8.6	5.2	46.7	<30	10	5	219	2.31	3.7	<5	3	30	.04	.2	.1	52	.33	.064	10	20	.24	100	.17	3	1.42	.02	.07	<2	.1	30	<.3	.1	4.6	2
55875	.6	6.7	4.3	44.1	<30	11	6	176	2.53	4.1	<5	3	22	.03	.2	.1	54	.23	.074	11	21	.20	106	.12	4	1.53	.02	.06	<2	.1	30	<.3	<.1	3.8	1
55876	.8	8.8	5.1	89.8	<30	15	7	245	3.15	5.6	<5	3	23	.07	.2	.1	65	.24	.169	10	25	.24	114	.12	4	1.98	.02	.08	<2	.1	56	<.3	.1	5.7	1
55877	.9	8.7	5.8	121.4	35	14	8	417	3.12	6.9	<5	2	27	.13	.2	.1	64	.27	.168	8	22	.23	158	.11	3	2.00	.01	.07	2	.1	49	<.3	<.1	6.9	1
55878	1.1	10.3	7.3	176.8	142	17	14	1795	3.42	6.1	<5	1	56	.25	.2	.2	62	.51	.310	11	23	.28	352	.11	6	2.08	.01	.13	<2	.1	90	<.3	<.1	4.8	<1
55879	.7	11.4	5.9	64.9	77	12	7	326	2.45	5.3	<5	2	49	.08	.3	.1	45	.50	.075	18	18	.26	107	.10	4	1.47	.03	.11	<2	.1	66	<.3	<.1	4.7	1
RE 55880	.9	7.6	4.6	80.8	52	10	6	266	2.59	3.6	<5	1	33	.07	<.2	.1	48	.30	.197	8	18	.23	154	.08	3	1.82	.01	.11	<2	.1	66	.3	<.1	5.3	5
55880	.8	6.7	4.1	81.1	48	12	6	264	2.60	3.4	<5	2	33	.07	<.2	<.1	50	.30	.199	8	19	.23	159	.08	4	1.84	.01	.11	<2	<.1	58	<.3	<.1	4.7	<1
55881	.6	6.6	4.0	42.2	<30	7	5	171	2.50	3.7	<5	2	27	.03	.2	<.1	53	.26	.059	9	20	.20	106	.12	2	1.37	.02	.09	<2	.1	75	<.3	<.1	3.6	2
55882	.7	5.6	4.5	75.2	<30	9	6	181	2.59	7.8	<5	1	31	.07	.3	<.1	49	.26	.117	8	18	.19	110	.09	3	1.61	.01	.10	<2	.1	50	<.3	.1	5.1	1
55883	.4	5.7	4.3	28.3	<30	5	4	188	1.92	4.2	<5	2	30	.02	.2	.1	42	.30	.052	12	16	.21	82	.13	<2	1.04	.02	.07	<2	.1	34	<.3	<.1	2.4	5
55884	.5	5.3	4.9	37.4	<30	7	3	206	1.82	2.5	<5	2	28	.03	.2	<.1	39	.27	.049	10	15	.16	75	.09	2	1.00	.02	.07	<2	.1	34	<.3	.1	3.1	1
55885	.4	5.1	4.4	23.5	<30	3	2	127	1.32	2.4	<5	2	28	<.01	<.2	.1	28	.28	.036	11	12	.19	69	.11	2	1.00	.03	.05	<2	.1	32	<.3	<.1	2.7	<1
55886	.5	7.2	5.1	44.1	<30	10	4	150	2.00	3.7	<5	2	30	.03	.3	<.1	43	.25	.046	11	16	.19	103	.11	2	1.18	.02	.05	<2	.1	29	<.3	<.1	4.1	1
55887	.3	4.6	4.5	48.5	<30	6	3	143	1.37	1.6	<5	2	23	.01	.2	.1	32	.23	.021	10	12	.17	77	.12	3	.88	.01	.05	<2	.1	27	<.3	<.1	2.4	3
55888	.4	5.3	4.6	50.0	<30	7	3	151	1.45	2.7	<5	2	21	.01	.2	<.1	32	.24	.029	10	13	.22	76	.12	2	.96	.02	.05	<2	.1	24	<.3	<.1	2.9	1
55889	.8	6.2	4.4	34.9	<30	8	4	139	2.39	7.5	<5	3	29	.02	.6	<.1	43	.26	.078	11	16	.17	108	.08	<2	1.40	.02	.06	<2	.1	90	<.3	<.1	3.4	1
STANDARD	22.0	119.7	87.5	265.8	1905	25	14	891	4.20	77.1	16	20	54	2.27	9.0	20.9	66	.65	.091	16	50	1.11	239	.14	23	2.17	.04	.72	18	2.3	1880	.8	1.9	6.9	52

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
55890	.6	6.8	3.7	73.0	43	11	5	200	2.53	6.2	<5	3	28	.07	.4	<.1	45	.24	.103	9	16	.17	141	.07	<2	1.56	.01	.06	<2	<.1	53	<.3	<.1	4.4	1
55891	.4	5.0	3.7	42.7	<30	6	4	176	1.72	2.7	<5	2	35	.04	.2	<.1	34	.29	.030	10	13	.15	98	.09	<2	.95	.02	.05	<2	.1	52	<.3	<.1	2.8	1
55892	1.0	5.8	3.3	33.6	<30	6	5	179	2.59	7.6	<5	2	26	.02	.6	<.1	50	.18	.056	9	16	.15	110	.07	2	1.12	.01	.04	<2	.1	103	<.3	<.1	3.3	1
55893	.6	6.3	3.4	65.8	<30	13	6	204	2.71	5.2	<5	2	30	.04	.4	<.1	50	.25	.092	10	19	.19	150	.09	<2	1.72	.01	.07	<2	.1	66	<.3	<.1	4.6	1
55894	.6	6.7	4.2	73.1	<30	7	5	397	1.95	1.9	<5	2	37	.03	.2	.1	39	.37	.069	12	14	.20	138	.10	<2	1.27	.02	.07	<2	<.1	53	<.3	<.1	3.4	1
55895	.8	6.4	3.5	100.3	42	9	6	481	2.28	3.7	<5	2	31	.10	.3	<.1	43	.29	.164	10	17	.14	175	.07	4	1.19	.01	.08	<2	.1	50	<.3	<.1	3.5	2
55896	1.0	37.1	5.9	121.9	188	28	11	1687	4.67	9.1	<5	3	116	.17	.5	.1	56	.94	.125	63	31	.41	334	.04	2	4.05	.02	.20	<2	.2	125	.4	<.1	10.9	1
55897	.7	6.9	4.4	63.7	38	8	7	690	2.15	2.7	<5	2	50	.06	.4	.1	43	.31	.097	14	17	.14	185	.07	4	.99	.01	.09	<2	.1	62	<.3	<.1	3.3	1
55898	.4	5.7	3.9	55.2	31	7	3	305	1.59	1.2	<5	2	31	.03	<.2	.1	33	.28	.034	12	15	.18	82	.11	19	1.02	.02	.07	<2	.1	35	<.3	<.1	2.9	4
55899	.7	4.4	4.1	54.1	33	7	4	695	1.49	1.2	<5	1	25	.05	<.2	<.1	32	.26	.048	11	13	.13	84	.08	4	.97	.01	.07	<2	.1	40	<.3	<.1	3.4	1
55900	.4	3.2	4.3	47.6	31	7	3	284	1.06	.9	<5	1	20	.02	<.2	<.1	26	.23	.021	9	10	.14	61	.08	<2	.81	.01	.05	<2	.1	32	<.3	<.1	2.7	1
55901	.4	4.8	4.6	60.3	33	7	3	260	1.13	1.6	<5	1	23	.03	<.2	.1	26	.27	.026	10	10	.15	58	.09	<2	.95	.01	.05	<2	.1	29	.3	<.1	3.2	7
55902	.5	4.7	3.6	43.0	<30	8	4	323	1.65	1.9	<5	2	27	.03	<.2	.1	38	.27	.047	11	15	.12	71	.10	<2	.92	.02	.08	<2	.1	36	<.3	<.1	2.8	1
55903	.6	5.4	3.9	56.2	<30	12	5	223	1.92	2.6	<5	2	26	.04	<.2	.1	39	.25	.086	10	16	.16	106	.09	<2	1.69	.01	.07	<2	.2	50	<.3	.1	5.1	2
RE 55903	.6	5.4	4.0	53.3	<30	13	5	218	1.94	2.3	<5	2	26	.04	<.2	<.1	39	.24	.089	10	15	.16	114	.08	3	1.68	.01	.07	<2	.1	54	<.3	<.1	4.8	1
55904	.6	5.4	4.1	57.2	38	10	5	232	2.05	2.8	<5	3	30	.05	<.2	.1	42	.25	.143	12	17	.14	112	.10	3	1.71	.01	.07	<2	.1	40	<.3	.1	5.3	2
55905	.5	4.8	4.1	42.6	<30	8	4	226	1.66	2.1	<5	2	28	.03	<.2	<.1	35	.22	.051	11	16	.15	110	.11	2	1.50	.02	.06	<2	.1	40	<.3	<.1	4.4	1
55906	.3	3.4	4.5	24.8	<30	5	3	201	1.36	1.0	6	2	32	.02	<.2	<.1	31	.36	.023	11	15	.18	67	.11	7	.95	.04	.05	<2	.1	43	<.3	<.1	2.8	2
55907	.7	5.6	4.0	35.1	<30	8	4	216	2.05	3.4	<5	2	25	.02	.2	.1	39	.20	.131	10	16	.14	125	.09	4	1.59	.02	.05	<2	.1	45	<.3	<.1	4.4	1
55908	.3	3.8	3.8	22.3	<30	4	3	132	1.31	1.8	<5	3	31	.01	<.2	.1	30	.29	.030	12	12	.16	78	.10	2	.86	.02	.04	<2	.1	38	<.3	<.1	2.5	1
55909	.5	6.7	4.7	44.4	<30	5	5	218	2.06	1.4	<5	2	26	.02	<.2	.1	51	.25	.070	9	15	.18	78	.14	2	1.51	.02	.07	<2	.1	33	<.3	<.1	5.3	2
55910	.6	5.9	4.2	41.9	<30	10	4	120	1.93	2.8	<5	3	26	.02	<.2	.1	40	.20	.097	9	16	.14	105	.11	2	1.92	.01	.06	<2	.1	42	<.3	<.1	5.3	1
55911	1.0	6.3	5.6	47.5	<30	10	6	201	2.15	3.1	<5	2	29	.03	<.2	.1	44	.23	.060	14	17	.16	97	.11	2	1.78	.01	.06	<2	.1	55	<.3	<.1	5.7	2
55912	.4	5.8	4.3	44.5	32	8	4	188	1.84	2.6	<5	2	24	.04	.2	<.1	42	.27	.037	10	16	.19	86	.13	<2	1.09	.01	.06	<2	.1	21	<.3	<.1	3.7	3
55913	.3	4.2	4.4	33.6	<30	7	3	140	1.44	1.2	<5	2	19	.02	<.2	.1	32	.22	.030	8	12	.18	69	.11	<2	.95	.02	.05	<2	.1	25	<.3	<.1	2.9	2
55914	.5	6.3	4.0	38.4	<30	11	5	180	2.11	2.8	<5	3	30	.01	<.2	<.1	43	.28	.053	11	18	.20	109	.14	2	1.64	.01	.07	<2	.1	33	<.3	<.1	4.0	1
55915	.6	4.8	4.6	91.0	41	11	5	247	1.76	1.6	<5	2	21	.05	<.2	<.1	37	.23	.103	9	15	.13	97	.11	<2	1.48	.01	.06	<2	.1	26	<.3	<.1	4.7	1
55916	.7	6.6	4.4	92.5	57	14	6	240	2.30	5.2	<5	2	19	.08	.2	.1	46	.20	.111	8	17	.21	107	.10	<2	1.74	.01	.05	<2	.1	51	<.3	<.1	5.7	2
55917	.6	7.4	4.1	42.6	42	11	5	213	2.36	3.9	<5	2	28	.03	.3	.1	53	.30	.045	11	19	.24	99	.14	<2	1.29	.01	.07	<2	.1	48	<.3	<.1	4.0	5
55918	1.0	6.5	4.3	71.1	77	16	9	250	2.77	5.6	<5	3	30	.04	.3	<.1	60	.32	.081	10	22	.21	113	.15	4	1.67	.01	.10	<2	.2	51	.3	<.1	5.0	46
55919	1.3	11.7	5.8	53.3	94	12	14	1702	3.17	10.5	<5	4	53	.13	.6	.1	57	.51	.108	21	19	.41	131	.12	9	1.28	.05	.13	<2	.2	61	<.3	<.1	4.5	3
55920	.5	6.5	4.4	32.8	36	6	3	208	1.77	2.9	<5	2	31	.02	.3	.1	42	.31	.016	12	15	.22	69	.15	<2	1.03	.02	.05	<2	.1	32	<.3	.1	3.5	2
55921	.6	7.3	4.2	50.5	46	10	4	259	2.17	5.0	<5	2	30	.03	.3	.1	46	.32	.073	12	17	.21	92	.11	<2	1.39	.01	.07	<2	.2	47	<.3	<.1	4.3	2
55922	.9	7.4	4.4	70.1	53	15	7	202	2.67	6.8	<5	2	27	.06	.3	.1	54	.27	.092	10	19	.24	128	.11	<2	1.76	.01	.07	<2	.1	39	<.3	<.1	4.9	6
STANDARD	22.1	116.8	87.8	258.1	1871	24	13	955	4.12	73.4	18	19	53	2.20	9.1	20.1	64	.63	.090	15	47	1.09	229	.14	22	2.15	.04	.74	17	2.4	1850	.7	1.8	6.8	54

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
55923	.5	6.9	5.3	35.1	<30	6	4	155	1.74	3.2	<5	2	25	.02	.2	.1	38	.26	.025	10	15	.21	75	.12	<2	.99	.02	.04	<2	.2	35	<.3	.1	3.6	3
55924	.4	5.9	3.6	28.9	<30	5	2	148	1.96	5.2	<5	3	26	.01	.3	.1	46	.28	.039	12	16	.19	75	.14	<2	.90	.02	.04	<2	.1	30	<.3	<.1	2.3	8
55925	.4	6.6	4.6	30.6	<30	6	2	136	1.67	4.2	<5	3	26	.01	.2	.1	37	.27	.033	12	14	.19	75	.13	2	.95	.02	.04	<2	<.1	28	<.3	<.1	3.2	4
55926	.9	11.6	7.1	32.2	<30	7	4	165	2.21	9.1	<5	2	26	.01	.6	.2	51	.27	.044	11	19	.19	94	.13	<2	1.03	.02	.05	<2	.1	43	<.3	<.1	5.3	3
55927	.4	6.4	4.7	28.8	<30	6	3	125	1.74	3.4	<5	2	25	.01	.3	.1	39	.26	.036	11	14	.17	77	.12	<2	.87	.02	.04	<2	.1	35	<.3	<.1	2.5	2
55928	.4	6.8	5.3	42.2	<30	7	3	150	1.69	3.1	<5	2	24	.02	.2	.2	38	.25	.033	11	15	.20	77	.14	<2	1.00	.02	.05	<2	.1	28	<.3	<.1	3.3	3
55929	.6	9.4	6.5	36.4	<30	7	3	147	1.87	5.3	<5	2	27	.02	.4	.1	43	.27	.032	13	16	.18	84	.13	<2	1.02	.02	.05	<2	.1	36	<.3	<.1	4.7	1
55930	.3	7.3	5.5	25.7	<30	6	3	131	1.57	3.3	<5	3	28	<.01	.3	.1	31	.30	.050	13	13	.18	72	.12	<2	.97	.02	.06	<2	<.1	44	<.3	<.1	3.3	1
55931	.7	8.2	5.8	86.8	<30	12	5	263	2.01	2.9	<5	3	25	.05	.3	.1	40	.24	.076	12	18	.15	122	.11	<2	1.58	.02	.07	<2	.1	39	<.3	<.1	5.9	<1
55932	.4	7.6	4.9	33.5	39	6	4	163	1.75	2.6	<5	2	33	.02	.4	.1	39	.28	.026	14	15	.15	67	.13	<2	.83	.02	.06	<2	.1	35	<.3	<.1	3.2	38
55933	.3	5.3	4.7	23.4	<30	8	2	110	1.35	2.9	<5	3	30	<.01	.2	<.1	30	.30	.041	14	14	.17	75	.16	<2	.86	.02	.07	<2	<.1	47	<.3	<.1	2.2	<1
55934	.8	9.0	5.4	48.9	<30	9	5	166	2.52	7.3	<5	3	33	.05	.5	.1	53	.27	.081	11	21	.17	125	.10	<2	1.26	.02	.06	<2	.1	40	<.3	.1	5.0	4
55935	.7	5.7	4.3	56.8	<30	11	5	334	2.31	3.3	<5	2	32	.06	.3	.1	50	.30	.076	11	21	.16	115	.11	<2	1.24	.02	.11	<2	.1	32	<.3	<.1	3.6	<1
55936	.7	8.5	4.6	40.1	<30	10	4	178	2.29	5.4	<5	3	29	.02	.4	.1	48	.25	.098	11	19	.16	105	.11	<2	1.32	.02	.07	<2	.1	41	<.3	<.1	3.9	2
55937	.5	5.8	4.1	50.4	<30	10	5	161	2.09	3.0	<5	3	28	.04	.3	.1	45	.26	.063	11	18	.18	108	.13	<2	1.30	.02	.07	<2	<.1	27	<.3	<.1	3.4	<1
55938	.4	5.1	4.1	47.0	<30	7	4	124	1.73	2.2	<5	2	24	.01	.2	<.1	37	.21	.045	10	15	.17	93	.11	<2	1.07	.02	.05	<2	.1	20	<.3	<.1	2.8	<1
55939	.4	6.2	5.2	49.8	<30	7	4	215	1.84	2.4	<5	2	30	.02	<.2	<.1	40	.28	.039	11	16	.21	98	.13	<2	1.23	.02	.04	<2	.1	43	<.3	<.1	3.5	29
55940	.3	5.0	5.3	33.2	<30	6	4	132	1.66	2.5	<5	3	33	.01	.2	<.1	38	.31	.048	12	15	.21	90	.14	<2	1.05	.02	.05	<2	.1	27	<.3	<.1	2.7	<1
55941	.4	8.7	7.3	57.0	<30	9	4	294	1.82	3.1	<5	3	36	.02	.2	.1	40	.36	.055	13	20	.29	90	.14	<2	1.41	.02	.07	<2	.1	23	<.3	<.1	4.3	<1
RE 55942	.7	5.6	4.3	206.2	39	13	6	616	2.23	1.8	<5	3	20	.07	.2	.1	47	.21	.144	10	20	.15	122	.11	<2	1.43	.02	.06	<2	<.1	21	<.3	<.1	3.9	5
55942	.8	5.7	3.9	199.7	35	11	6	610	2.16	2.2	<5	2	19	.08	<.2	.1	46	.20	.142	9	19	.14	115	.11	2	1.40	.02	.06	<2	.1	27	<.3	<.1	3.9	<1
55943	.5	5.1	4.2	45.9	<30	8	5	136	1.94	2.3	<5	3	26	.01	<.2	.1	42	.22	.071	11	18	.15	114	.11	<2	1.30	.02	.04	<2	<.1	35	<.3	<.1	3.0	<1
55944	.5	22.8	5.9	41.2	49	19	5	103	2.15	2.2	<5	3	67	.06	.6	.2	36	.81	.053	34	24	.20	152	.05	<2	1.49	.03	.06	<2	.1	128	<.3	<.1	5.3	<1
55945	.2	6.7	4.7	32.1	<30	7	3	115	1.48	1.7	<5	2	42	.01	<.2	.1	28	.47	.056	19	18	.18	85	.07	<2	1.19	.02	.08	<2	.1	42	<.3	<.1	3.0	2
55946	.5	6.4	5.1	45.4	<30	9	4	129	2.04	3.2	<5	2	27	.02	.2	.1	43	.24	.060	12	18	.19	112	.10	<2	1.39	.02	.04	<2	.1	31	<.3	<.1	3.6	<1
55947	.4	4.7	5.0	24.9	<30	6	3	230	1.27	2.4	<5	2	30	.01	<.2	.2	31	.30	.036	14	12	.14	79	.10	3	.82	.03	.05	<2	.1	37	<.3	<.1	2.2	1
55948	.8	11.9	7.4	49.0	33	10	6	394	3.33	11.6	<5	5	52	.05	.5	.2	66	.53	.057	21	24	.36	107	.15	<2	1.73	.03	.09	<2	.2	119	<.3	<.1	7.6	1
55949	.6	9.5	6.9	36.4	30	6	4	238	2.15	3.9	<5	2	33	.03	.2	.4	51	.39	.032	11	18	.27	59	.18	<2	1.05	.02	.08	<2	.1	38	<.3	<.1	5.1	1
55950	.3	6.2	4.3	32.4	<30	4	4	276	1.74	1.6	<5	2	30	.01	.2	.1	40	.31	.020	11	15	.21	64	.15	<2	.96	.02	.08	<2	.1	17	<.3	<.1	3.0	1
55951	.3	5.0	4.2	25.7	<30	5	3	160	1.46	1.6	<5	3	31	.01	.2	.1	31	.29	.033	12	13	.20	57	.12	<2	.82	.02	.06	<2	.1	34	<.3	<.1	2.5	1
55952	.4	6.6	4.0	37.4	<30	7	4	169	2.05	5.4	<5	2	39	.01	.6	.1	42	.25	.066	12	16	.15	102	.09	<2	1.05	.02	.07	<2	<.1	42	<.3	<.1	3.1	<1
55953	.4	6.2	4.0	53.5	<30	8	4	267	1.73	3.3	<5	2	38	.03	.3	.1	38	.33	.044	13	14	.20	77	.10	<2	.96	.02	.07	<2	<.1	43	<.3	<.1	2.8	<1
55954	.4	4.8	3.3	29.9	<30	5	4	238	2.10	2.3	<5	2	40	.01	.5	.1	41	.35	.027	13	14	.18	76	.09	<2	.91	.02	.08	<2	<.1	61	<.3	<.1	2.4	1
55955	.6	5.7	4.2	54.5	<30	10	6	325	1.97	2.5	<5	1	36	.04	.5	.1	42	.32	.058	10	16	.14	129	.09	<2	1.09	.02	.10	<2	.1	36	<.3	<.1	3.4	1
STANDARD D/C/AU-S	22.7	115.4	81.7	269.6	1786	26	13	900	4.23	71.6	16	20	56	2.16	9.1	20.6	68	.66	.093	17	49	1.11	238	.15	24	2.22	.05	.71	18	2.3	1885	.6	2.0	6.4	55

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
55956	45.0	9.3	6.0	39.2	39	5	5	229	2.08	4.0	<5	3	32	.06	.5	.1	45	.31	.066	11	18	.17	81	.10	<2	.95	.02	.11	<2	.1	27	<.3	<.1	4.6	1
55957	.4	7.6	4.8	55.9	<30	7	3	143	1.74	1.9	<5	3	29	.03	.2	.1	34	.33	.091	13	16	.18	96	.09	<2	1.44	.02	.07	<2	<.1	41	<.3	<.1	4.3	<1
55958	.4	4.9	3.8	69.9	<30	5	4	259	1.75	1.4	<5	2	35	.05	.2	.1	36	.35	.083	11	14	.17	96	.09	<2	1.10	.02	.09	<2	<.1	29	<.3	<.1	3.1	1
55959	.9	8.0	7.0	173.7	145	12	10	1029	2.46	10.1	<5	3	30	.08	1.8	.1	52	.22	.079	15	18	.15	167	.08	<2	1.86	.02	.07	<2	.2	109	<.3	<.1	5.8	1
55960	1.9	34.8	4.5	60.8	352	56	9	1363	3.52	8.6	<5	3	247	.72	1.0	.2	50	2.18	.112	30	25	.67	430	.02	4	3.55	.03	.27	<2	.2	164	.7	.1	7.7	4
55961	.4	5.2	4.6	34.6	<30	3	3	170	1.56	2.4	<5	2	34	.04	.2	.1	35	.29	.020	12	14	.16	83	.11	<2	.87	.02	.07	<2	.1	46	<.3	<.1	3.4	<1
55962	.7	14.4	6.8	60.5	72	9	4	318	1.90	7.2	<5	3	34	.05	.4	.1	40	.30	.020	21	18	.21	85	.11	<2	1.16	.02	.09	<2	.1	51	<.3	<.1	4.9	<1
55963	.7	9.7	5.1	72.4	55	8	5	938	2.22	3.5	<5	2	36	.06	.3	<.1	41	.31	.059	18	19	.20	133	.08	<2	1.43	.02	.11	<2	.2	44	<.3	<.1	4.7	<1
RE 55963	.7	9.9	4.9	77.4	50	8	5	1014	2.37	3.5	<5	2	38	.06	.2	.1	44	.33	.061	19	20	.21	143	.09	2	1.56	.02	.12	<2	.1	39	<.3	<.1	4.7	2
55964	.5	6.7	5.2	62.5	32	6	4	272	1.86	2.0	<5	2	34	.06	<.2	<.1	42	.32	.037	12	16	.19	78	.11	<2	1.15	.02	.08	<2	.1	23	<.3	<.1	4.1	<1
55965	.6	10.3	5.3	61.1	<30	9	6	443	2.33	3.3	<5	3	45	.06	.2	.1	50	.37	.084	23	21	.16	108	.09	33	1.28	.04	.10	<2	.1	46	<.3	<.1	4.4	2
55966	.8	6.5	4.8	63.8	<30	10	5	663	1.83	2.2	<5	3	34	.07	<.2	.1	39	.29	.092	13	17	.13	120	.09	106	1.26	.03	.08	<2	.1	23	<.3	<.1	4.5	1
55967	.9	11.2	6.6	54.7	50	10	5	268	2.47	6.8	<5	3	37	.06	.3	.1	56	.28	.087	13	22	.17	113	.12	<2	1.51	.02	.10	<2	.2	23	<.3	.1	6.7	1
55968	.4	7.1	5.1	73.8	<30	12	4	149	2.27	3.2	<5	3	36	.05	.2	.1	40	.29	.128	11	19	.19	128	.10	2	1.81	.02	.10	<2	<.1	22	<.3	<.1	5.4	1
55969	.7	8.2	5.3	59.6	<30	10	5	376	2.38	3.6	<5	4	41	.05	.2	.1	52	.32	.089	15	20	.17	148	.11	<2	1.51	.02	.11	<2	<.1	25	<.3	<.1	4.7	2
55970	.6	5.4	4.6	60.3	<30	9	3	229	1.83	2.4	<5	3	26	.03	<.2	.1	38	.21	.070	10	16	.16	115	.10	<2	1.54	.02	.07	<2	.1	22	<.3	<.1	4.4	<1
55971	.3	4.3	4.2	34.5	<30	5	2	109	1.34	1.3	<5	3	24	.01	<.2	.1	32	.21	.026	10	12	.14	75	.12	<2	1.02	.03	.04	<2	<.1	21	<.3	<.1	3.1	3
55972	.7	9.1	5.2	69.8	34	10	6	608	2.52	3.2	<5	2	57	.12	.2	.1	52	.62	.068	18	20	.25	128	.13	<2	1.45	.02	.10	<2	.1	94	<.3	<.1	4.1	<1
55973	.5	7.2	5.2	50.1	<30	5	4	317	1.87	2.6	<5	3	31	.05	<.2	.1	45	.34	.025	10	17	.19	65	.17	<2	1.01	.02	.07	<2	.1	52	<.3	<.1	4.6	<1
55974	.5	6.6	5.5	64.7	<30	8	3	236	1.96	1.9	<5	3	29	.04	<.2	.1	47	.33	.035	11	17	.25	72	.16	<2	1.21	.02	.06	<2	.1	27	<.3	<.1	4.4	1
55975	.6	6.5	4.4	54.7	<30	11	5	314	2.54	3.1	<5	3	30	.04	<.2	.1	49	.29	.127	13	20	.16	128	.11	<2	1.70	.02	.06	<2	.1	32	<.3	<.1	5.0	<1
55976	.7	8.4	4.5	53.9	<30	11	7	266	2.95	5.0	<5	3	40	.06	.3	.1	60	.33	.090	13	22	.23	148	.11	2	1.94	.02	.10	<2	<.1	77	<.3	<.1	6.0	1
55977	.5	6.2	3.6	42.2	<30	7	4	181	2.17	2.6	<5	2	30	.03	.2	.1	50	.31	.038	10	18	.21	82	.14	<2	1.09	.02	.07	<2	.1	29	<.3	<.1	3.6	<1
55978	.4	6.7	4.2	66.6	<30	11	3	263	1.81	2.1	<5	2	27	.05	.2	.1	41	.30	.045	10	17	.23	70	.14	2	1.35	.02	.07	<2	.1	18	<.3	<.1	4.5	<1
55979	.6	8.1	4.7	48.9	<30	11	5	232	2.64	3.7	<5	3	33	.04	.2	.1	63	.35	.059	12	23	.25	77	.19	9	1.37	.03	.08	<2	.1	26	<.3	<.1	4.2	<1
55980	.6	7.5	6.0	56.9	<30	11	4	296	2.14	2.4	<5	2	28	.08	.2	.1	49	.31	.059	9	20	.24	79	.17	2	1.31	.02	.06	<2	.1	15	<.3	.1	5.7	<1
55981	.4	6.5	4.6	44.5	<30	7	4	247	2.22	2.1	<5	3	31	.03	.2	.1	56	.34	.029	10	21	.27	72	.22	<2	1.18	.03	.06	<2	<.1	16	<.3	<.1	3.8	1
55982	.6	7.6	4.6	32.6	<30	6	5	220	2.44	4.0	<5	3	31	.03	.2	<.1	62	.34	.026	9	22	.23	54	.20	<2	1.05	.02	.07	<2	.1	10	<.3	<.1	4.7	1
55983	1.3	26.2	7.7	62.0	118	20	8	1275	4.48	8.6	<5	4	73	.16	.5	.2	74	.71	.096	23	36	.42	212	.11	<2	3.31	.03	.21	<2	.3	73	.4	<.1	12.2	1
55984	.5	6.9	4.4	58.6	<30	12	6	241	2.81	3.0	<5	3	23	.05	<.2	.1	62	.25	.111	10	23	.27	92	.13	<2	1.57	.02	.06	<2	<.1	26	<.3	<.1	4.8	1
55985	.5	5.5	4.1	28.8	<30	8	4	137	2.19	2.3	<5	2	33	.03	.2	.1	53	.40	.014	10	19	.14	66	.14	<2	.93	.02	.06	<2	.1	18	.3	<.1	3.8	3
55986	.4	6.0	4.9	31.2	49	6	4	241	2.71	2.5	<5	3	48	.05	.2	.1	47	.68	.014	13	21	.36	79	.15	<2	1.16	.04	.13	<2	.1	28	.3	<.1	4.4	<1
55987	.3	7.7	4.0	29.6	89	9	4	216	2.12	2.4	5	2	62	.07	.2	.1	38	1.07	.025	14	17	.26	119	.11	<2	.98	.03	.08	<2	.1	36	.5	<.1	3.9	1
55988	.4	4.6	4.6	70.6	64	6	4	233	2.05	2.2	<5	2	28	.05	.2	.1	43	.34	.097	10	16	.22	142	.11	<2	1.09	.02	.08	<2	<.1	18	<.3	<.1	4.1	36
STANDARD	22.1	116.1	84.4	266.4	1824	26	14	895	4.15	73.7	17	20	55	2.16	9.0	19.8	66	.64	.093	16	50	1.09	231	.14	22	2.13	.04	.71	20	2.2	1877	.7	1.8	7.2	47

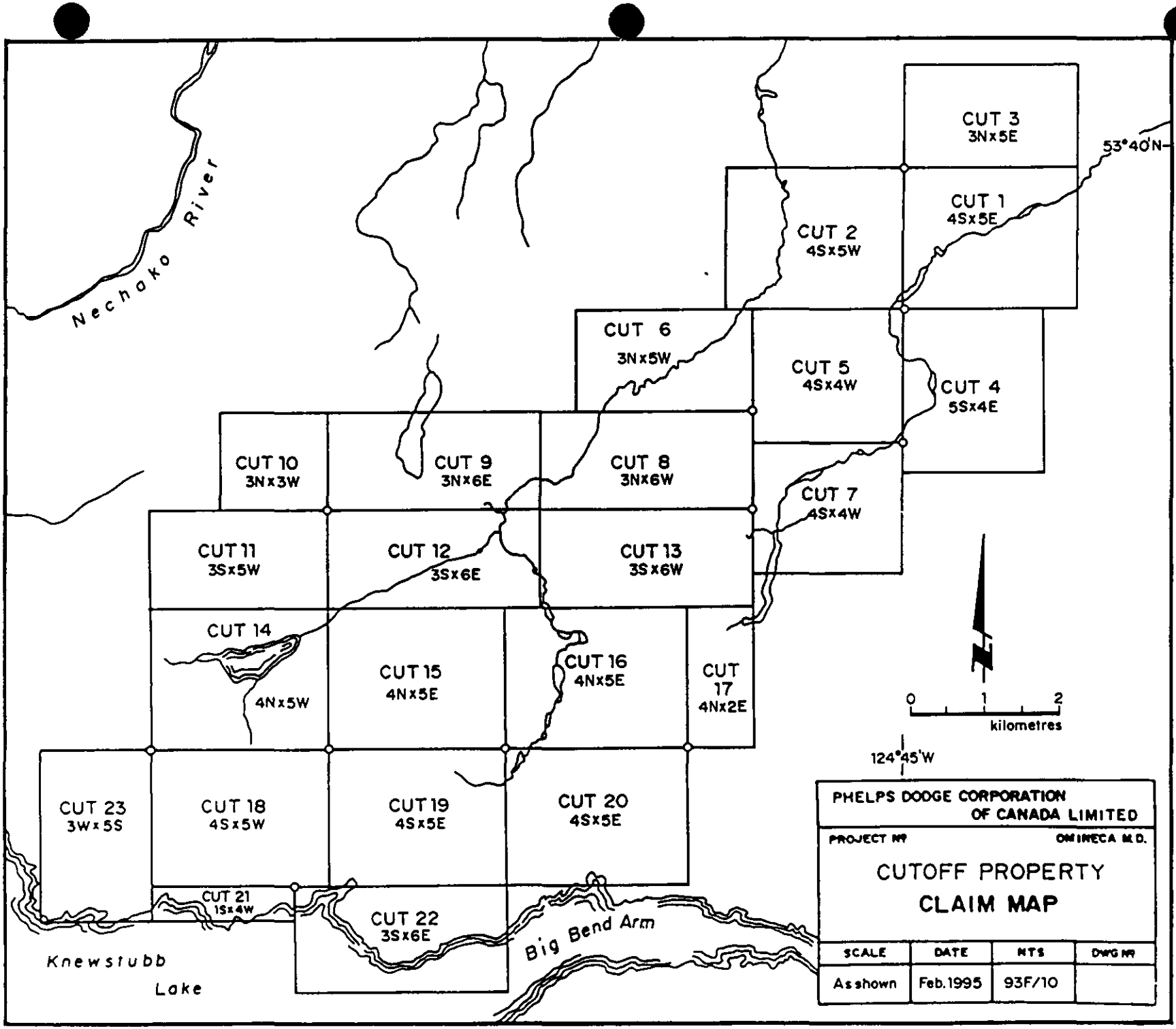
Standard is STANDARD D/C/AU-S. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

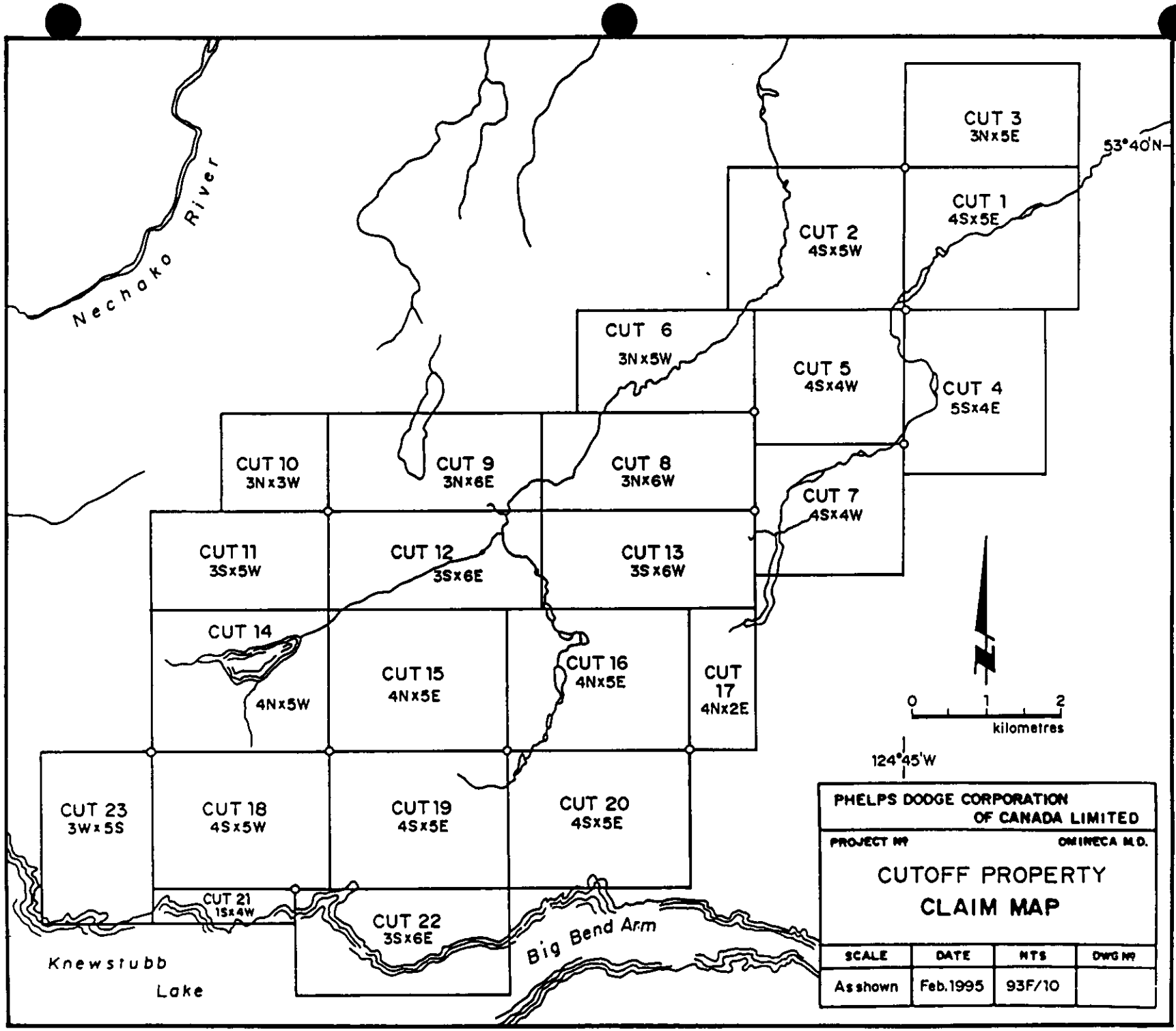
SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
55989	.6	2.9	4.6	51.5	82	4	3	196	2.09	3.3	<5	2	23	.04	.3	.1	41	.29	.073	10	12	.16	108	.06	2	.99	.01	.08	<2	.1	6	<.3	.1	3.5	22
55990	.9	7.9	8.0	40.1	63	9	4	181	2.51	10.3	<5	3	24	.06	.6	.2	52	.27	.088	11	16	.20	98	.09	2	1.14	.01	.06	<2	.2	17	.3	.1	3.3	36
55991	.5	19.2	4.9	50.6	<30	12	8	351	3.60	7.6	<5	4	47	.04	.4	.1	66	.47	.058	22	23	.35	112	.14	<2	1.44	.02	.12	<2	.1	49	<.3	.1	3.6	3
55992	.4	5.7	3.9	77.2	32	11	5	253	2.44	3.2	<5	3	25	.05	.2	.1	53	.26	.063	9	19	.24	116	.10	<2	1.42	.01	.08	<2	.2	16	<.3	.1	4.0	22
55993	.6	5.6	4.2	58.7	<30	12	6	290	2.70	3.9	<5	3	25	.06	.3	.1	55	.24	.128	9	19	.23	112	.09	<2	1.57	.01	.06	<2	.1	25	<.3	.1	3.9	<1
55994	.5	6.4	5.1	60.0	<30	11	5	244	2.36	2.8	<5	2	27	.06	.2	.1	51	.28	.081	9	19	.22	78	.11	<2	1.26	.02	.08	<2	.1	9	<.3	<.1	4.3	<1
55995 not received	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55996	4.1	4.3	.7	2.7	52	3	2	959	.16	1.8	37	1	194	.16	1.0	<.1	25	4.05	.059	2	2	.23	63	<.01	9	.08	.01	.03	<2	.1	96	4.9	.2	<.5	7
55997	.7	6.8	4.7	29.3	55	5	5	402	2.06	4.6	<5	3	35	.05	.3	.1	43	.45	.024	9	17	.22	75	.11	<2	.85	.02	.12	<2	.1	27	.3	.1	3.4	2
55998	.4	6.1	4.2	37.5	<30	7	4	215	2.25	2.6	<5	3	33	.02	.3	.1	56	.31	.032	12	21	.19	64	.17	<2	.83	.01	.09	<2	.1	12	<.3	.1	2.6	<1
55999	.6	4.5	5.2	51.3	75	10	4	419	2.31	1.8	<5	2	21	.05	.2	.1	50	.27	.094	8	19	.23	116	.12	<2	1.22	.01	.08	<2	.1	10	.3	<.1	4.0	<1
56111	.4	5.3	5.3	33.4	<30	4	3	173	1.20	2.0	<5	2	30	.02	.3	.1	27	.26	.023	10	11	.16	64	.11	<2	.87	.02	.07	<2	.1	40	<.3	<.1	3.0	1
56112	.8	7.6	5.9	41.4	44	10	5	233	2.19	6.6	<5	2	32	.04	.7	.1	46	.24	.068	11	17	.19	98	.10	<2	1.40	.01	.08	<2	.1	35	<.3	.1	4.8	<1
56113	.5	5.5	7.9	60.7	<30	8	3	131	1.33	2.9	<5	1	24	.02	.2	.1	30	.24	.031	10	13	.19	84	.12	<2	1.18	.01	.05	<2	.1	16	<.3	<.1	3.8	<1
56114	.7	6.7	4.6	108.6	36	8	6	238	2.42	2.2	<5	3	25	.05	.3	.1	42	.23	.235	9	17	.14	164	.08	<2	1.63	.01	.06	<2	.1	48	<.3	.1	5.1	<1
56115	.9	7.4	5.4	55.6	57	10	7	618	2.43	5.6	<5	2	32	.06	.5	.1	44	.33	.142	11	17	.18	120	.08	<2	1.58	.01	.11	<2	.1	47	<.3	.1	4.9	<1
56116	.9	5.9	4.0	55.2	<30	11	7	256	2.91	6.1	<5	2	28	.04	.5	.1	52	.26	.098	9	18	.17	99	.08	<2	1.46	.01	.07	<2	.1	42	<.3	.1	3.7	<1
56117	.6	4.8	4.5	74.8	30	9	5	171	1.78	2.0	<5	2	22	.04	.2	.1	36	.23	.047	9	15	.18	101	.09	2	1.30	.01	.07	<2	.1	23	<.3	<.1	4.0	3
56118	.6	6.0	4.6	95.4	51	8	6	297	1.99	1.9	<5	2	26	.05	.2	.1	39	.27	.080	10	17	.16	120	.10	<2	1.30	.01	.08	<2	.1	42	<.3	<.1	3.9	<1
56119	.7	6.0	3.8	59.1	48	8	6	431	2.14	3.1	<5	2	30	.05	.3	.1	42	.29	.116	11	17	.15	137	.08	<2	1.17	.01	.10	<2	<.1	41	<.3	<.1	3.0	74
56120	.6	7.3	4.8	85.8	58	7	5	405	1.97	1.9	<5	2	37	.07	.2	.1	40	.35	.071	12	16	.17	141	.08	<2	1.13	.01	.09	<2	.1	33	<.3	<.1	3.3	1
56121	.4	5.4	4.5	84.5	35	8	5	509	1.68	1.4	<5	2	31	.06	.2	<.1	36	.28	.040	13	16	.15	110	.10	<2	.93	.02	.09	<2	.1	24	<.3	.1	2.8	1
56122	.5	5.9	6.1	44.1	<30	5	3	221	1.26	2.2	5	1	24	.02	<.2	.1	29	.26	.030	11	13	.16	67	.11	<2	1.02	.02	.05	<2	<.1	26	<.3	<.1	3.7	<1
56123	.4	4.1	3.8	40.2	<30	5	4	227	1.41	1.5	6	1	26	.02	<.2	<.1	31	.25	.034	10	13	.13	59	.09	<2	.99	.02	.05	<2	<.1	28	<.3	<.1	2.8	<1
RE 56123	.5	3.9	4.7	37.4	<30	5	3	224	1.37	1.7	7	2	25	.02	<.2	<.1	30	.24	.034	9	12	.12	61	.09	2	.95	.01	.04	<2	.1	16	<.3	.1	3.2	<1
56124	.3	3.9	3.8	44.3	<30	6	3	125	1.38	1.3	6	2	22	.01	<.2	.1	31	.22	.026	10	14	.12	63	.11	<2	.98	.01	.06	<2	.1	21	<.3	<.1	2.6	<1
56125	.6	4.6	4.9	44.5	<30	7	4	167	1.82	1.9	<5	2	17	.01	<.2	<.1	32	.18	.049	10	13	.11	68	.09	<2	1.31	.01	.05	<2	<.1	29	<.3	<.1	4.3	7
56126	.4	4.6	5.3	41.6	<30	7	3	103	1.17	1.1	6	<1	25	.01	<.2	<.1	25	.23	.030	11	13	.12	66	.06	<2	1.34	.02	.06	<2	.1	45	<.3	<.1	3.8	1
56127	.2	4.4	4.9	50.3	<30	6	3	126	1.28	1.5	6	1	23	.01	<.2	.1	32	.23	.027	11	15	.16	84	.10	<2	1.26	.01	.06	<2	<.1	10	<.3	<.1	3.4	3
56128	.8	6.4	5.7	46.8	38	10	5	339	2.10	3.7	<5	3	23	.04	.2	.1	45	.16	.099	10	18	.13	116	.10	<2	1.73	.01	.05	<2	.1	29	<.3	.1	5.9	<1
56129	.4	3.5	4.5	35.3	<30	4	2	94	1.11	1.4	10	1	23	<.01	<.2	.1	24	.21	.032	10	12	.12	74	.10	<2	1.05	.01	.05	<2	<.1	28	<.3	<.1	3.2	2
56130	.4	5.4	5.6	36.1	<30	8	5	116	1.75	2.7	8	2	22	.01	<.2	.1	34	.19	.104	8	16	.17	86	.10	2	1.67	.01	.05	<2	<.1	19	<.3	.1	5.5	1
56131	.6	5.1	4.0	57.5	<30	12	5	150	2.11	2.7	9	3	24	.02	<.2	<.1	41	.19	.094	9	17	.16	116	.09	<2	1.74	.01	.06	<2	<.1	17	<.3	.1	4.4	<1
56132	.3	3.8	4.6	26.4	<30	5	2	107	1.15	1.6	10	2	25	<.01	<.2	.1	24	.25	.023	9	11	.16	70	.10	<2	.85	.01	.05	<2	<.1	24	<.3	.1	2.7	<1
STANDARD D/C/AU-S	21.9	114.1	83.7	253.8	1862	25	13	949	4.09	71.6	19	19	53	2.09	9.3	21.2	63	.63	.089	16	47	1.07	221	.13	22	2.12	.04	.71	17	2.2	1899	.8	1.9	6.5	55

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au+ ppb
S6133	.2	4.3	4.1	19.2	<30	3	2	95	1.20	2.2	<5	2	37	.04	<.2	<.1	23	.48	.020	11	12	.15	53	.07	<2	.84	.02	.06	<2	<.1	42	.3	<.1	2.2	1
S6134	.5	5.9	5.1	49.8	<30	8	4	206	2.03	3.9	<5	2	23	.05	[illegible]	<.1	41	.25	.073	9	16	.20	81	.11	<2	1.45	.01	.06	<2	<.1	30	<.3	<.1	4.4	10
S6135	.4	5.6	5.0	48.6	<30	7	4	290	1.91	2.5	<5	2	25	.04	<.2	.1	41	.27	.047	10	16	.22	73	.13	<2	1.19	.01	.06	<2	.1	21	<.3	<.1	3.2	<1
S6136	.5	4.7	5.0	57.9	<30	8	4	287	2.01	2.5	<5	2	24	.06	<.2	<.1	43	.25	.088	8	16	.21	89	.11	<2	1.22	.01	.06	<2	<.1	16	<.3	<.1	3.4	1
S6137	.4	7.9	5.3	33.3	36	6	5	353	2.32	2.6	<5	2	46	.11	<.2	.1	40	.64	.020	13	17	.29	67	.12	<2	1.11	.02	.11	<2	<.1	63	<.3	<.1	2.9	1
S6138	.3	5.6	5.5	29.6	<30	5	4	181	1.87	2.8	<5	2	35	.02	<.2	<.1	41	.36	.027	10	15	.25	70	.14	<2	1.03	.02	.06	<2	.1	22	<.3	<.1	2.7	<1
S6139	.2	4.0	5.8	26.0	<30	5	3	169	1.59	2.0	<5	2	24	.01	<.2	.1	40	.30	.018	8	14	.21	52	.14	<2	.82	.01	.05	<2	<.1	6	<.3	<.1	2.4	<1
S6140	.4	5.2	5.0	41.9	<30	8	5	232	2.20	2.6	<5	2	25	.03	<.2	<.1	48	.29	.065	8	18	.21	72	.13	<2	1.37	.01	.05	<2	<.1	17	<.3	<.1	3.4	2
S6141	.6	6.3	5.1	55.5	<30	11	5	381	2.13	2.6	<5	2	22	.05	<.2	.1	48	.26	.059	9	20	.23	80	.15	<2	1.42	.01	.05	<2	.1	6	[illegible]	<.1	4.3	1
RE S6141	.6	6.8	5.5	53.7	<30	11	5	372	2.08	2.9	<5	2	22	.05	<.2	.1	47	.27	.057	8	19	.23	80	.15	2	1.40	.01	.05	<2	.1	7	<.3	<.1	4.8	<1
S6142	.4	5.1	5.2	51.2	<30	9	5	297	2.16	2.0	<5	2	24	.03	<.2	<.1	48	.27	.050	9	19	.23	84	.14	<2	1.38	.01	.05	<2	.1	12	<.3	<.1	3.6	1
S6143	.4	4.2	4.2	51.1	<30	9	4	161	1.65	2.2	<5	2	17	.02	<.2	.1	35	.19	.065	7	14	.16	73	.10	<2	1.35	.01	.04	<2	.1	17	<.3	<.1	3.5	2
S6144	.4	5.0	5.6	78.9	<30	10	4	191	1.74	2.3	<5	2	22	.04	<.2	.1	36	.23	.058	8	16	.22	107	.11	<2	1.52	.01	.06	<2	.1	10	<.3	<.1	4.6	4
S6145	.6	5.2	5.0	53.0	<30	10	5	335	2.06	3.6	<5	2	23	.04	<.2	.1	43	.26	.059	9	15	.21	100	.09	2	1.38	.01	.06	<2	.1	13	<.3	<.1	3.8	1
S6146	.5	5.8	4.9	44.3	<30	8	3	303	1.83	2.9	<5	2	28	.03	<.2	.1	41	.29	.040	10	15	.19	113	.11	<2	1.14	.01	.06	<2	.1	28	<.3	<.1	3.2	3
S6147	.4	3.9	4.8	59.4	<30	8	3	212	1.69	2.4	<5	2	18	.04	[illegible]	<.1	37	.21	.054	8	14	.19	81	.10	<2	1.23	.01	.06	<2	<.1	14	<.3	<.1	3.2	1
S6148	.4	4.6	4.0	31.4	<30	6	4	153	2.00	3.7	<5	2	21	.02	<.2	.1	46	.20	.044	10	17	.16	89	.11	<2	.99	.01	.07	<2	.1	10	<.3	<.1	2.6	1
S6149	.6	7.0	5.5	46.5	<30	11	6	229	2.37	3.9	<5	3	22	.05	.2	.1	53	.24	.054	10	19	.23	94	.14	2	1.47	.01	.05	<2	.1	17	<.3	.1	5.0	2
S6150	.5	8.6	4.7	43.4	<30	8	5	258	2.55	4.5	<5	3	32	.03	.2	.1	58	.30	.059	13	21	.21	100	.12	<2	1.26	.01	.07	<2	.1	16	<.3	<.1	3.5	1
S6151	.4	4.8	4.1	63.2	42	10	5	298	2.05	1.8	<5	2	19	.05	.2	<.1	46	.20	.054	9	18	.20	104	.12	<2	1.29	.01	.09	<2	.1	16	<.3	.1	3.5	2
S6152 not received	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S6153	.4	6.0	4.8	35.0	46	7	3	186	1.76	1.9	<5	2	26	.03	<.2	.1	40	.29	.023	10	16	.21	56	.13	2	.88	.01	.06	<2	.1	12	<.3	<.1	2.7	2
S6154	1.1	6.1	5.6	36.0	44	6	5	282	2.35	3.4	<5	2	23	.05	<.2	.1	56	.29	.040	8	20	.21	92	.13	2	.97	.01	.05	<2	.1	28	<.3	.1	4.4	1
S6155	.4	4.7	4.1	54.2	58	10	4	273	2.13	1.7	<5	2	23	.05	<.2	<.1	48	.28	.061	8	17	.21	117	.12	2	1.15	.01	.06	<2	<.1	<5	<.3	<.1	3.3	2
S6156	.6	4.2	5.0	32.2	68	6	3	272	2.10	2.4	<5	1	25	.03	<.2	.1	49	.29	.034	9	16	.19	89	.13	<2	.96	.01	.07	<2	<.1	16	<.3	.1	3.2	5
S6157	.4	5.5	4.4	42.0	65	6	5	305	2.44	2.8	<5	1	27	.04	<.2	<.1	59	.33	.040	8	19	.25	69	.15	<2	.92	.01	.08	<2	<.1	<5	<.3	.1	3.2	5
STANDARD D/C/AU-S	21.9	120.3	92.2	257.9	1837	27	14	958	4.10	76.9	18	19	53	2.13	9.7	19.6	65	.64	.088	16	48	1.09	230	.14	21	2.12	.04	.74	17	2.4	1886	.7	1.8	6.3	50

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


CUT 3
3N x 5E
CUT 1
4S x 5E
CUT 2
4S x 5W
53°40'N
CUT 6
3N x 5W
CUT 5
4S x 4W
CUT 4
5S x 4E
CUT 10
3N x 3W
CUT 9
3N x 6E
CUT 8
3N x 6W
CUT 7
4S x 4W
CUT 11
3S x 5W
CUT 12
3S x 6E
CUT 13
3S x 6W
CUT 14
4N x 5W
CUT 15
4N x 5E
CUT 16
4N x 5E
CUT 17
4N x 2E
CUT 23
3W x 5S
CUT 18
4S x 5W
CUT 19
4S x 5E
CUT 20
4S x 5E
CUT 21
15 x 4W
CUT 22
3S x 6E
Nechako River
Knewstubb Lake
Big Bend Arm
0 1 2
kilometres
124°45'W
PHELPS DODGE CORPORATION OF CANADA LIMITED
PROJECT Nº
OMINECA M.D.
CUTOFF PROPERTY
CLAIM MAP
SCALE
DATE
NTS
DWG Nº
As shown
Feb. 1995
93F/10


Nechako River
CUT 3
3N x 5E
53°40'N
CUT 1
4S x 5E
CUT 2
4S x 5W
CUT 6
3N x 5W
CUT 5
4S x 4W
CUT 4
5S x 4E
CUT 10
3N x 3W
CUT 9
3N x 6E
CUT 8
3N x 6W
CUT 7
4S x 4W
CUT 11
3S x 5W
CUT 12
3S x 6E
CUT 13
3S x 6W
CUT 14
4N x 5W
CUT 15
4N x 5E
CUT 16
4N x 5E
CUT 17
4N x 2E
0 1 2
kilometres
124°45'W
CUT 23
3W x 5S
CUT 18
4S x 5W
CUT 19
4S x 5E
CUT 20
4S x 5E
CUT 21
1S x 4W
CUT 22
3S x 6E
Knewstubb Lake
Big Bend Arm
PHELPS DODGE CORPORATION OF CANADA LIMITED
PROJECT Nº
OMINECA M.D.
CUTOFF PROPERTY
CLAIM MAP
SCALE
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NTS
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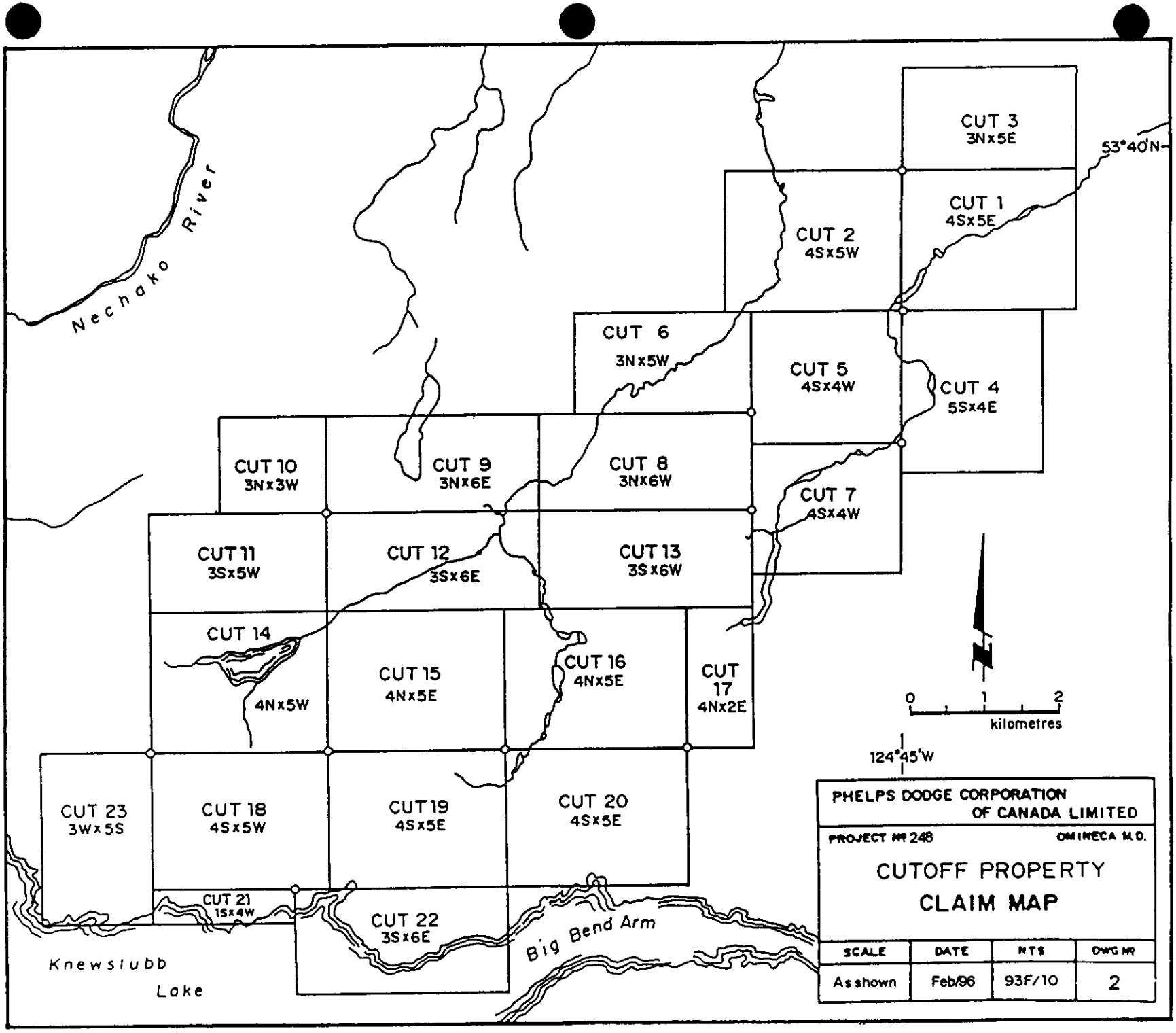
CUT 3
3N x 5E
CUT 1
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4N x 5E
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CUT 17
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CUT 19
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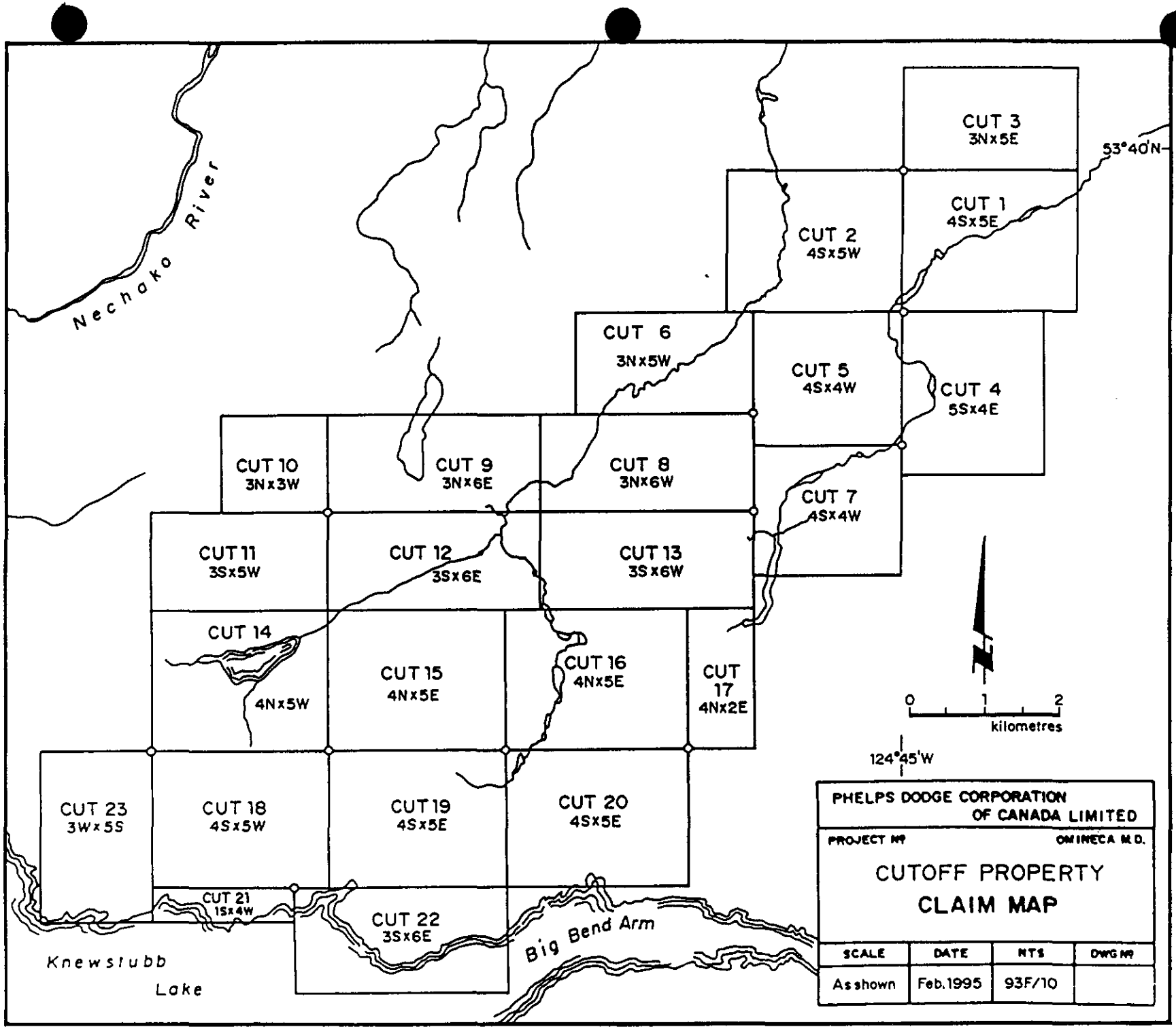
4S x 5E
CUT 21
1S x 4W
CUT 22
3S x 6E
Big Bend Arm
Knewstubb
Lake
PHELPS DODGE CORPORATION
OF CANADA LIMITED
PROJECT Nº 248
OMINECA M.D.
CUTOFF PROPERTY
CLAIM MAP
SCALE
As shown
DATE
Feb/96
NTS
93F/10
DWG Nº
2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3N x 5E
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3N x 6E
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3S x 5W
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3S x 6W
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4N x 5W
CUT 15
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CUT 16
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0 1 2
kilometres
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Big Bend Arm
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PHELPS DODGE CORPORATION
OF CANADA LIMITED
PROJECT Nº
OMINECA M.D.
CUTOFF PROPERTY
CLAIM MAP
SCALE
DATE
NTS
DWG Nº
As shown
Feb. 1995
93F/10

LEGEND

EOCENE AND OLIGOCENE

Endako Group

- Eb — Basalt, dark grey to black, vesicular, locally feldspar or olivine phyric, columar jointing common
- Et — Basalt, red,orange, grey, scoriaceous, locally vesicular chalcedony filled amygdules, bombs
- Es — Siltstone, white, cream, light green, plant and shell fragments
- Ed — Diorite, dark grey, medium to coarse grained, hornblende, feldspar phenocrysts, magnetic
- Efel — Felsite, pink fine to medium grained feldspar phyric rhyodacite

Ootsa Lake Group

- Eo — Rhyolite flows, flow breccia, ash tuff, scoria, pumice locally quartz+/-feldspar phyric flows, sandstone, siltstone

upper CRETACEOUS

- uKm — Monzonite, pink to light green, medium grained, feldspar-hronblende phenocrysts throughout

Kasalka Group (Cutoff Volcanics)

- uKv — Andesite, mottled light green to maroon, locally flows are feldspar +/- hornblende phyric, locally magnetic, ash tuff, crystal tuff, lapilli tuff
- uKs — Conglomerate (pebble to cobble, matrix supported), sandstone pebble sandstone, locally with plant fragments

middle or upper JURASSIC

Hazelton Group (Canyon Creek Assemblage)

- uJv — Rhyolite, rhyo-dacite fine to medium grained, feldspar +/- quartz phyric, massive to brecciated, ash tuff flows, lapilli tuff

SYMBOLS

- Geological contact
- Fault
- Flow banding (inclined, vertical)
- Shearing (vertical)
- Float
- Hand trench and number
- Mineralized boulder train
- Mineral showing

CLAIM BOUNDARY

Core samples
52437
52438 Silicified andesite breccia
52439
52440
52441
52442
52443
52444
52445
52446
52447
52448
52449
52450
52451
52452
52453
52454
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52470
52471
52472
52473
52474

TROUT SHOWING
Silicified breccia with qtz-chalcedony veins

Maroon vesicular basalt

White to blue silica flooded

Chlorite alt andesite tracey dias py

TRAPPER LAKE

CUTOFF CREEK

CANYON CREEK

FISH LAKE

LITTLE QUARTZ LAKE

STUBB LAKE

OSPREY

LALINEAR AREA

APEX BAY

STUBB BAY SHOWINGS

KNEWSTUBB LAKE (NECHAKO RESERVOIR)

Lake, Creek

Main road, secondary road/trail

UTM coordinates

△54348 (Sample located 3km east on 500 rd)
△54348 (Sample located 5km east on 500 rd)
△54348 (Sample located 8km east on 500 rd)

Mercury ppb
Arsenic ppm
Silver ppb
Gold ppb
Rock sample number

Float
Talus
Subcrop
Outcrop

0 500 1000 1500 2000
SCALE IN METRES

To Accompany 1996 Assessment Report Entitled "Geological and Soil Geochemical Report on the Cutoff Property" By C.W. Payne M.Sc., P.Geo.

PHELPS DODGE CORP. OF CANADA LIMITED

PROJECT NO.: 248 (CUTOFF PROPERTY) OMINECA MINING DIVISION

ROCK SAMPLE LOCATION MAP and ROCK GEOCHEMICAL RESULTS

SCALE	DATE	BY	NTS NO.	FIGURE
1:20000	FEB/96	CMP	93 F/10	5

FOX GEOLOGICAL SERVICES INC.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

24,305

LEGEND

EOCENE AND OLIGOCENE

Endako Group

- Eb — Basalt, dark grey to black, vesicular, locally feldspar or olivine phyric, columar jointing common
- Ect — Basalt, red,orange, grey, scoriaceous, locally vesicular chalcedony filled amygdules, bombs
- Es — Siltstone, white, cream, light green, plant and shell fragments
- Ed — Diorite, dark grey, medium to coarse grained, hornblende, feldspar phenocrysts, magnetic
- Efel — Felsite, pink fine to medium grained feldspar phyric rhyo-dacite

Ootsa Lake Group

- Eov — Rhyolite flows, flow breccia, ash tuff, scoria, pumice locally quartz+/-feldspar phyric flows, sandstone, siltstone

upper CRETACEOUS

- uKm — Monzonite, pink to light green, medium grained, feldspar-hronblende phenocrysts throughout

Kasalks Group (Cutoff Volcanics)

- uKv — Andesite, mottled light green to maroon, locally flows are feldspar +/- hornblende phyric, locally magnetic, ash tuff, crystal tuff, lapilli tuff
- uKs — Conglomerate (pebble to cobble, matrix supported), sandstone pebble sandstone, locally with plant fragments

middle or upper JURASSIC

Hazelton Group (Canyon Creek Assemblage)

- uJv — Rhyolite, rhyo-dacite fine to medium grained, feldspar +/- quartz phyric, massive to brecciated, ash tuff flows, lapilli tuff

SYMBOLS

- Geological contact
- Fault
- Flow banding (inclined, vertical)
- Shearing (vertical)
- Float
- Hand trench and number
- Mineralized boulder train
- Mineral showing

CLAIM BOUNDARY

Maroon vesicular basalt

White to blue silica flooded rhyolite

Silica flooded andesite breccia

Feld porphyry breccia with qtz-chalcedony veins

Chlorite alt andesite trace/ diss py

TROUT

TRAPPER LAKE

CUTOFF CREEK

CANYON CREEK

GOLD FISH

Abundant rhyolite float

Red scoria

Vesicular basalt

Clay alt siltstone

Clay alt lapilli tuff

Silica float

Abundant qtz/chalcedony float

FISH LAKE

Rhyolite breccia float

Mottled grey-tan silica flooded breccia

Blue-grey chalcedony float

Chlorite alt andesite weak silicification

Lapilli tuff

Feldspar phyric andesite breccia

Vuggy qtz-chalcedony breccia trace to 1% diss py

Fractured feldspar porphyry

LINEAR

Feldspar phyric andesite breccia calcite matrix

Ash tuff breccia matrix supported

Lapilli tuff breccia quartz veinlets

Moderate propylitic alt. in ash tuff

STUBB LAKE

LITTLE QUARTZ LAKE

Abundant rhyolite breccia infilled with qtz-chalcedony

qtz-chalcedony boulders

Qtz + feld phyric rhyolite

Abundant rhyolite float

Angular qtz phyric rhyolite float

Sheared andesite with calcite filled fractures

Rhyolite breccia

Rhyolite float

Sheared clay alt rhyolite

Rhyolite breccia with silica and chalcedony infilling fractures

OSPREY

Sil crystal ash tuff

Med grained feld porphyry

Weak clay alt in ash tuff 5% diss py

Argillically alt qtz phyric rhyolite

STUBB BAY

Sil flooded breccia

Sil flooded siltstone breccia 5% diss py

Angular ash tuff float

Silica flooded breccia trace diss py

Sheared sil flooded siltstone breccia, calcite-limonite cement

KNEWSTUBB LAKE (NECHAKO RESERVOIR)

Weak prop. alteration weakly magnetic

Silicified andesite Sheared

APEX BAY

Shear zone with trace py weak silicification

500 F.S.R.

KENNEY DAM ROAD

KENNEY DAM

NECHAKO CANYON

FYKE LAKE

GRID EASTING

Lake, Creek

Main road, secondary road/trail

5938000N UTM coordinates

0 500 1000 1500 2000

SCALE IN METRES

GEOLOGICAL BRANCH
ASSESSMENT REPORT

24,305

To Accompany 1996 Assessment Report Entitled "Geological and Soil Geochemical Report on the Cutoff Property" By C.W. Payne M.Sc., P.Geo.

PHELPS DODGE CORP. OF CANADA LIMITED

PROJECT NO.: 248 (CUTOFF PROPERTY) OMINECA MINING DIVISION

PROPERTY GEOLOGY

SCALE	DATE	BY	NTS NO.	FIGURE
1:20000	FEB/96	CWP	93 F/10	4

FOX GEOLOGICAL SERVICES INC.

LEGEND

EOCENE AND OLIGOCENE

Endako Group

- Eeb — Basalt, dark grey to black, vesicular, locally feldspar or olivine phyric, colunar jointing common
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upper CRETACEOUS

- uKm — Monzonite, pink to light green, medium grained, feldspar–hronblende phenocrysts throughout

Kasalka Group (Cutoff Volcanics)

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- uKs — Conglomerate (pebble to cobble, matrix supported), sandstone pebble sandstone, locally with plant fragments

middle or upper JURASSIC

Hazelton Group (Canyon Creek Assemblage)

- uJv — Rhyolite, rhyo–dacite fine to medium grained, feldspar +/– quartz phyric, massive to brecciated, ash tuff flows, lapilli tuff

SYMBOLS

- Geological contact
- Fault
- △ Mineralized boulder train
- X Mineral showing

CLAIM BOUNDARY

TROUT SHOWING

GOLD FISH

FISH LAKE

STUBB LAKE

OSPREY

LAUNER AREA

STUBB BAY SHOWINGS

TRAPPER LAKE

TRAPPER LAKE

APEX BAY

APEX BAY

STUBB BAY

KNEWSTUBB LAKE (NECHAKO RESERVOIR)

KENNEY DAM

KENNEY DAM ROAD

NECHAKO CANYON

CUTOFF CREEK

CANYON CREEK

CANYON CREEK

LITTLE QUARTZ LAKE

53°35'

124°45'

Gridline number

Gold value ppb

Gridline station, soil sample site

Contour values in ppb

0 500 1000 1500 2000

SCALE IN METRES

Lake, Creek

Main road, secondary road/trail

5938000N UTM coordinates

500 F.S.R.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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PHELPS DODGE CORP. OF CANADA LIMITED

PROJECT NO.: 248 (CUTOFF PROPERTY) OMINECA MINING DIVISION

SOIL GEOCHEMICAL RESULTS

GOLD ppb

SCALE	DATE	BY	NTS NO.	FIGURE
1:20000	FEB/96	CWP	93 F/10	6

FOX GEOLOGICAL SERVICES INC.

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- × Mineral showing

CLAIM BOUNDARY

TROUT SHOWING

GOLD FISH

FISH LAKE

STUBB LAKE

OSPREY

TRAPPER LAKE

APEX BAY

APEX AREA

STUBB BAY SHOWINGS

STUBB BAY

KNEWSTUBB LAKE (NECHAKO RESERVOIR)

KENNEY DAM

KENNEY DAM RIVER

NECHAKO CANYON

CLUTSPUT CREEK

CANYON CREEK

SWANSON CREEK

KATNAH LAKE

500 F.S.R.

GRID EASTING

Gridline number

Mercury value ppb

Gridline station, soil sample site

Contour values in ppb

Lake, Creek

Main road, secondary road/trail

5938000N UTM coordinates

0 500 1000 1500 2000

SCALE IN METRES

GEOLOGICAL BRANCH
ASSESSMENT REPORT

24,305

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PHELPS DODGE CORP. OF CANADA LIMITED

PROJECT NO.: 248 (CUTOFF PROPERTY) OMINECA MINING DIVISION

SOIL GEOCHEMICAL RESULTS

MERCURY ppb

SCALE	DATE	BY	NTS NO.	FIGURE
1:20000	FEB/98	CWP	93 F/10	7

FOX GEOLOGICAL SERVICES INC.

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Hazelton Group (Canyon Creek Assemblage)

uJv — Rhyolite, rhyo–dacite fine to medium grained, feldspar +/– quartz phyric, massive to brecciated, ash tuff flows, lapilli tuff

SYMBOLS

Geological contact

Fault

△ Mineralized boulder train

× Mineral showing

CLAIM BOUNDARY

TROUT SHOWING

TRAPPER LAKE

GOLD FISH

FISH LAKE

STUBB LAKE

OSPREY

APEX BAY

STUBB BAY SHOWINGS

ALINEAR AREA

KENNEY DAM

KNEWSTUBB LAKE (NECHAKO RESERVOIR)

CUTOFF CREEK

CANYON CREEK

SWANSON CREEK

NECHAKO CANYON

KENNEY DAM ROAD

KATAH LAKE

GRID EASTING

53°35'

124°45'

Gridline number

Arsenic value ppm

Gridline station, soil sample site

Contour values in ppm

0 500 1000 1500 2000

SCALE IN METRES

Lake, Creek

Main road, secondary road/trail

5938000N UTM coordinates

GEOLOGICAL BRANCH
ASSESSMENT REPORT

24,305

To Accompany 1998 Assessment Report Entitled "Geological and Soil Geochemical Report on the Cutoff Property" By C.W. Payne M.Sc., P.Geo.

PHELPS DODGE CORP. OF CANADA LIMITED

PROJECT NO.: 248 (CUTOFF PROPERTY) OMINECA MINING DIVISION

SOIL GEOCHEMICAL RESULTS

ARSENIC ppm

SCALE	DATE	BY	NTS NO.	FIGURE
1:20000	JAN/98	CWP	93 F/10	8

FOX GEOLOGICAL SERVICES INC.