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**DIAMOND DRILL REPORT
FLATHEAD 1, 3-10 & 12 CLAIMS
FORT STEELE MINING DIVISION
TWENTY-NINE MILE CREEK PROJECT
BRITISH COLUMBIA**

by

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**NTS 82G/2E
49°10'10"N 114°32'50"W**

FILMED

Work paid for by Phelps Dodge Corporation of Canada, Limited

**December 9, 1994
GEOLOGICAL BRANCH
ASSESSMENT REPORT**

23,665

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INTRODUCTION

This report presents the results of the 1994 drill program completed on the Twenty-Nine Mile Creek project, Fort Steele Mining Division, British Columbia. The program concentrated on the Grid B area centred on the Flathead 6 claim and consisted of four drill holes totalling 364 metres. The drill program was designed to test a zone of gold-bearing gossan and quartz breccia some 75 metres long discovered by trenching the previous year. Holes 1 and 2 were collared to test the depth and strike extension of the breccia and holes 3 and 4 were set out to locate the source of gold-bearing glacial tills possibly derived uphill from the exposed breccia body.

LOCATION AND ACCESS

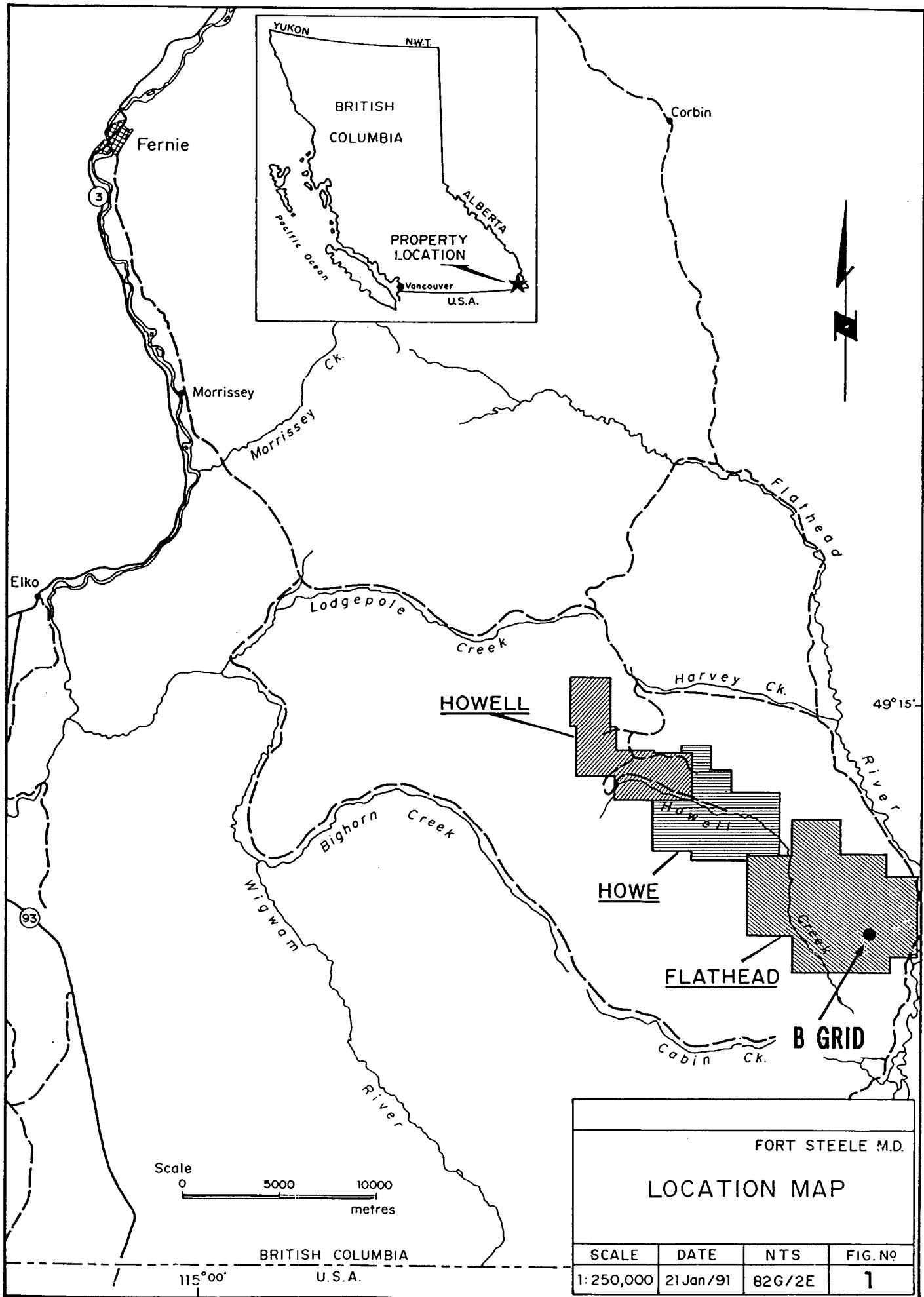
The Flathead mineral claims are situated in southeastern B.C. approximately 30 kilometres southeast of Fernie, B.C. and 20 kilometres north of the British Columbia/Montana border at latitude 49°10'10"N and longitude 114°32'50"W in the vicinity of Trachyte Ridge and Howell Creek (Figure 1). The area is within the MacDonald Range of the Rocky Mountains between elevations 1,400 metres and 2,200 metres in moderate to steep terrain. Much of the area is above tree-line and ridges are generally rounded to flat upland plateaus.

Access to the claims is by logging roads leading from the locality of Morrissey, 13 kilometres south of Fernie on Highway 3, for a distance of about 70 kilometres following Morrissey Creek, Lodgepole Creek, Harvey Creek and the Flathead River. Helicopters are necessary for access to the higher elevations and to all of the western half of the claims.

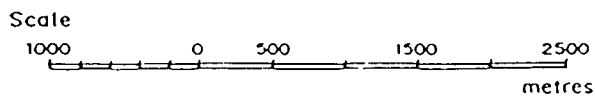
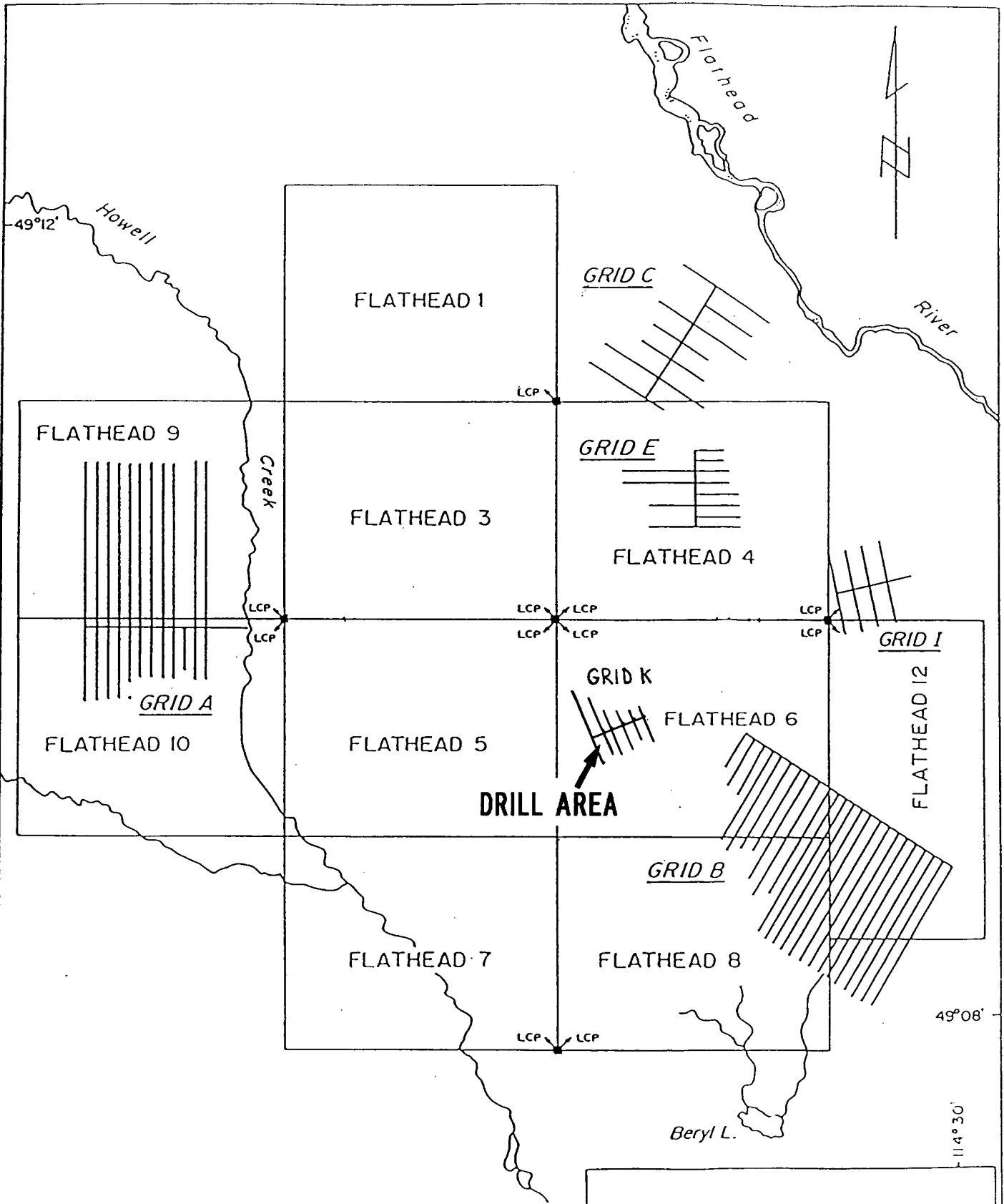
CLAIM INFORMATION

The Flathead mineral claims (Figure 2) consist of 198 units and are situated within the Fort Steele Mining Division on NTS mapsheet 82G/2E and 1W. The expiry dates shown below assume that current work will be accepted for assessment purposes.

Claim Name	Tenure	Units	Expiry Date
Flathead 1	210061	20	September 20, 1997
Flathead 3	210062	20	September 29, 1997
Flathead 4	210063	20	September 20, 1997
Flathead 5	210064	20	September 20, 1997
Flathead 6	210065	20	September 20, 1997
Flathead 7	210066	20	September 20, 1997
Flathead 8	210067	20	September 20, 1997
Flathead 9	210068	20	September 20, 1997
Flathead 10	210069	20	September 20, 1997
Flathead 12	210070	18	September 20, 1997



FORT STEELE M.D.			
LOCATION MAP			
SCALE	DATE	NTS	FIG. N ^o
1: 250,000	21 Jan/91	82G/2E	1



FORT STEELE M.D.			
FLATHEAD CLAIMS CLAIM and GRID LOCATION MAP			
SCALE	DATE	N.T.S.	DWG. NO
1:50000		82G/2E	2

114°35'

The claims are optioned from Placer Dome Inc. under an agreement signed on June 20, 1992 and commenced on September 15, 1992 whereby Phelps Dodge Canada has the right to acquire a 100% interest in the property subject to completing work expenditures of 450,000 by June 30, 1996 and a staged NSR of 3%. The NSR can be purchased for \$6 million within six months of the commencement of production. To date, approximately \$75,000 has been exercised on the property.

1994 WORK PROGRAM

The 1994 drill program was completed between July 26 and August 19, 1994. The program consisted of drilling four NQ holes comprising 364 metres on a rusty weathering, siliceous, gold-bearing breccia delineated during trenching and soil sampling programs in 1993. Drilling was performed by Kootenay Exploration Drilling Ltd. using a Longyear 38 drill. Collar locations and hole lengths are given in Table I and a regional geological map in Figure 3. Sections and a drill plan are given in Figures 4 and 5. All core was logged, split in half and sampled on one-metre intervals. Drill logs are given in Appendix I. Core is stored at the camp site on Twenty-Nine Mile Creek on the Flathead 6 claim. In addition 41 soil samples and 7 rock samples were collected in the head waters around and above the discovery showing. Soil and rock samples were analyzed for 30 elements by ICP methods and all samples were analyzed for gold by geochemical atomic absorption (AA) methods by Acme Analytical Laboratories, 852 East Hastings Street, Vancouver, B.C. Lab procedures are described in Appendix II.

Table I
Drill Collar Information

Hole #	Location	Length	Dip	Azimuth
94-1	L99+70E 100+40N	101.2m	-60	170
94-2	L99+05E 100+50E	91.5m	-60	180
94-3	L99+90E 99+85N	81.4m	-60	180
94-4	L99+05E 99+80N	87.5m	-60	180

GEOLOGY

The regional geology of the Flathead area taken from mapping by P. B. Jones and incorporating detailed mapping by Placer Dome Ltd. is shown in Figure 3. The Trachyte Ridge consists of a thick series of Devonian and Mississippian limestones, dolomites and black shales and Permo-Pennsylvanian quartz arenites and dolomitic sandstones.

Numerous small Cretaceous stocks of syenite composition have intruded and locally altered the enclosing sedimentary strata. Grid B is located in the southeast corner of the Flathead claim block, centred on Flathead 6, 8 and 12 claims, which were established over a faulted sequence of Palliser, Exshaw, Banff, Rundle and Rocky Mountain formations. A small syenite plug has intruded the Rundle Group limestones in the grid area and farther north at the headwaters of the main valley.

Prospecting work on the Flathead 6 claim early in 1993 had discovered a small surface exposure of a vuggy, heavily oxidized quartz vein breccia wherein surface grab samples returned gold values up to 4.6 gpt. Trenching work later in the year exposed the vein through several test pits and trenches. The main trench exposed a three-metre thick complex vein that strikes 260° and dips 55° to the north. The vein has a dolomite hanging wall and a dolomite/limestone breccia footwall and is composed of vuggy friable quartz with one-metre of clay-rich limonitic syenite at the base. Malachite and azurite are present near the footwall contact within the limestone breccia. Only trace amounts of pyrite remain within the vein although many of the vugs (up to 30% of the rock volume) are cubic and striated and may represent leached pyrite.

Grab samples from the vein taken from the spoil pile analyzed from 13.3 gpt to 89 gpt gold with two samples being greater than 99 gpt, the limits of requested analytical techniques. Re-analysis of these rocks by fire assay/ICP graphite furnace techniques returned gold values up to 350.7 gpt with six analyses being over 20 gpt. High tellurium and bismuth values indicate the possibility of gold-bearing tellurides as being the main ore-bearing mineral.

The vein structure was exposed by trenching and by test pits 47 metres to the west of the main trench. The dip of the footwall of the vein flattens to 18° northerly and only a portion of the structure is preserved beneath a minimum of one metre of till. The vein structure is dominated by clay-altered limonitic syenite and frothy quartz occurs as local pods and irregular zones. Malachite is sporadically present at the vein footwall. Analyses from this section of the vein vary from 1.3 gpt to 3.7 gpt gold. The vein continues farther west into an area of thick forest cover and increasing till thickness.

East of the main trench, the vein is present only as a thin clay-rich syenite layer beneath till up to one metre thick and appears to flatten considerably forming a dip slope. Over-all exposed length of the vein structure is 70 metres with possible extensions to the west.

Within the till, clasts of magnetite-bearing syenite similar to those in the till farther east (down-ice) analyze up to 6.3 gpt gold. These samples point to additional sources farther up ice.

DRILLING

All four holes intersected clay-altered syenitic bodies and massive to bedded, fragmental, weakly altered and moderately to highly fractured limestone. The limestone units are locally hornfelsed to marble and massive pink, green and brown calcsilicate rocks. Most bedrock units contain weakly disseminated pyrite. Holes 1, 2 and 3 cored limestone and weakly clay-altered syenite and endoskarn (?) that contain pyrite and magnetite in variable amounts up to a maximum of 5%. Hole 4 cored barren limestone. Both the limestone and syenite bodies commonly contain disseminated fluorite. Detailed descriptions are given below.

Hole 94-1

Hole 94-1 was drilled 170° at -60° to intersect the mineralized breccia discovered during last year's trenching program. The hole, collared 40 metres north of the exposure, cored syenite and skarn to 11 metres and white, locally calcsilicate-bearing limestone to 91.5 metres. Greenish syenite at 10 to 11 metres is highly fractured, rubbly and laced with thin calcite stringers. Grey porphyritic syenite with trace amounts of pyrite was cored from 91.5 to the end of the hole at 101.2 metres.

Hole 94-2

Hole 94-2 (180°, -60°) collared 60 metres west of hole 94-1 and was designed to intersect the breccia zone along strike to the west of the discovery area. Hole 94-2 cored grey limestone and dolomite to 19.5 metres; siliceous breccia and silicified limestone to 23 metres; fault gouge to 24 metres; grey, locally pyritic limestone to 26.5 metres. Pink microsyenite was cored to 33.7 metres; grey, pyritic limestone to 86.3 metres; and clay-altered syenite and fault gouge to the end of the hole at 91.5 metres. The quartz breccia zone was not intersected in this hole although quartz veinlets at 19.5 to 23 metres may represent the zone.

Hole 94-3

Hole 94-3 (180°, -60°) was collared 60 metres south from hole 94-1 to test anomalous tills uphill from the discovery area. This hole cored dolomitic, locally hornfelsed, marble to weak calcsilicate altered limestone from the collar to 66 metres, microsyenite to 75m, limestone to 82 metres and clay altered microsyenite to the bottom of the hole at 84.1 metres.

Hole 94-4

Hole 94-4 (180°, -60°) was collared 85 metres west of hole 94-3. This hole collared barren, grey, mottled limestone over its length of 87.5 metres.

PROSPECTING

Limited prospecting and mapping in the head waters of the valley did not identify a possible up-ice source for magnetite and gold bearing syenite found in till above the discovery showing. 41 soil samples and seven rock samples were collected. One rock sampled returned 33ppb gold and one soil sample returned 72 ppb gold. The remaining samples returned 10ppb gold or less. Sample locations are plotted on Figure 3.

CONCLUSIONS

Mapping and drill results indicate that bedrock formations are broken into three or more fault blocks. A steep-dipping, west-trending fault just north of the discovery trench is thought to truncate the gold-rich breccia at depth. This fault also separates a north-dipping limestone and green shale unit to the north from southeast-dipping limestone to the south. The southern block of limestone is intruded by numerous clay-altered syenite dykes and, farther south at G-grid, by a large stock of syenite.

Work to date shows that the gold-rich breccia vein discovered last year is of limited extent and does not continue to depth. The surrounding weakly altered and pyritic limestone and syenite sills and dikes are essentially barren.

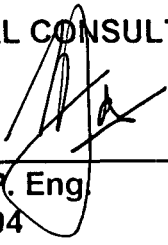
RECOMMENDATIONS

No further work is recommended on this property.

DISBURSEMENTS

Drilling	364.5m @ \$60/m drill bits	21870 <u>836</u> 22706	\$22,706
Assays	131 composites from 316 samples		2,730
Contract road and site building			5,910
Salaries	G. Kulla 20 days @ \$295/day M. Long 15 days @ \$225/day	5900 <u>3325</u> 9225	<u>9,225</u> <u>\$40,625</u>

Prepared by:

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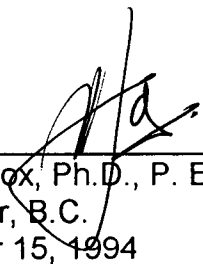
P. E. Fox, Ph.D., P. Eng.
November 15, 1994Phelps Dodge Corporation of Canada, Limited
#1409- 409 Granville Street, Vancouver, B.C. V6C 1T8

CERTIFICATE

I, Peter Edward Fox, certify to the following:

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

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



Peter E. Fox, Ph.D., P. Eng.
Vancouver, B.C.
November 15, 1994

APPENDIX I
DRILL LOGS

PHELPS DODGE CORPORATION OF CANADA, LIMITED
DIAMOND DRILL LOG

94-1

12-07-1994 :: 15:15

PROPERTY : Twenty-Nine Mile PROJECT # : 190
NTS MAP # : 82G/2E TOWNSHIP : Fort Steele Mining Division CLAIM # : Grid K, Flathead Claims
LINE/STATION: 99+70E / 100+40N EASTINGS/NORTHINGS: ELEVATION : 1700.00 m
LENGTH : 101.20 m INCLINATION : -60.0 degrees AZIMUTH : 170.0 degrees
OVERBURDEN : 9.40 m CASING : NQ core
LOGGED BY : Greg Kulla DRILLED BY : Kootenay Drilling ASSAYING BY : Acme Analytical Laboratories
DATE LOGGED : 1994/08/03 to 1994/08/07 DATE DRILLED : 1994/08/00 to 1994/08/06 CORE LOCATION:

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SUMMARY LOG

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From(m)	To(m)	Field Name (Legend)
0.00	9.40	Overburden
9.40	10.00	Microsyenite rubble Light brown, pyritic microsyenite rubble. Green and white feldspars. Fine grained, disseminated pyrite to 2%
10.00	11.00	Skarn
11.00	38.60	Limestone/marble
38.60	45.80	Green skarn White feldspar phenocrysts set in a jade-green groundmass. Core is broken and commonly clay-rich rubble.
45.80	63.00	Limestone White and grey limestone has local marble sections, occasional poor bedding or carbonaceous laminations.
63.00	64.60	Microsyenite Pyritic microsyenite rubble.
64.60	73.00	Limestone Limestone with minor local marble.
73.00	82.90	Limestone breccia Limestone breccia is generally vuggy with rare poorly bedded, unbrecciated sections.
82.90	84.00	Syenite Syenite gouge.
84.00	86.00	Limestone Limestone and limestone breccia. Bottom of section consists of clay-altered syenite gouge of undetermined width.
86.00	90.50	Siltstone. Siltstone, calcareous siltstone, chert (?) and minor interbedded limestone.
90.50	101.20	Microsyenite Grey, crowded microsyenite is fractured and clay-altered over most of section, commonly to gouge and rubble.
		P
101.20		END OF HOLE.

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DIAMOND DRILL LOG

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From(m)	To(m)	Description	SAMPLE	HOLE	FROM	TO	AU PPB
0.00	9.40	Overburden					
9.40	10.00	Microsyenite rubble Colour: light brown. Composition Feldspar: Green and white feldspars Mineralisation Pyrite: Trace to 2%. Fine grained disseminated pyrite.	500001	9	11.00	1.60	16.00
10.00	11.00	Skarn Colour: green . Brecciation Texture: Phenocrysts or fragments are set in a shattered to brecciated green groundmass. Green Phenocrysts: Small (>.5cm phenocrysts or fragments have diffuse edges. Veins Calcite Veining. Local, fine calcite veinlets.					
11.00	38.60	Limestone/marble Colour: white to dark grey. Grain Size: Fine. Mottled Texture: Bottom 10m of section is mottled and bioturbated. Structure Bedding: 50 deg. cax. Weak bedding in sections 21-22m and 29-30m Bedding: 65 deg. cax. Medium bedding from 31-32m. Shearing: 15 deg. cax. Shattered/sheared and brecciated at 31m. Fault? Fracturing: Local, weak fracturing and brecciation from 19-20m. Alteration Limonite: Limonitic fractures and vugs from 13-14m. Limonite: Limonitic fractures and oxidized pyrite in rubbly section from 24-25m. Alteration: Green clay locally on fractures from 29-31m. Alteration: Local green clayey gouge with pyrite on fractures. Metamorphic: Limestone is partially altered to marble from 13-29 meters. Mineralisation Pyrite: Trace. Fine grained, disseminated pyrite from 22-25m Pyrite: Trace to 2%. Fine grained, disseminated pyrite from 27-29m. Pyrite: Trace. Weakly disseminated and veinlet pyrite from 30-31m.	500002 500003 500004 500005 500006 500007 500008 500009 500010 500011 500012 500013 500014 500015 500016 500017 500018 500019	11 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	13.00 14.00 15.00 16.00 17.00 18.00 19.00 20.00 21.00 22.00 23.00 24.00 25.00 26.00 27.00 28.00 29.00 30.00	2.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	6.00 9.00 7.00 4.00 15.00 8.00

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DIAMOND DRILL LOG

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From(m)	To(m)	Description	SAMPLE	HOLE	FROM	TO	AU PPB
		Pyrite: Trace. Fine grained, weakly disseminated pyrite and pyrite with calcite stringers.	500020	30	31.00	1.00	
			500021	31	32.00	1.00	
		Veins and Sub-Intervals	500022	32	33.00	1.00	4.00
		<11.00>-<13.00>: Vuggy with limonitic fractures and vugs. Locally brecciated.	500023	33	34.00	1.00	
		Remnant clastic texture, ie. white 1-3mm randomly oriented clasts in a fine matrix.	500024	34	35.00	1.00	
			500025	35	36.00	1.00	5.00
		<14.00>-<18.00>: White limestone/marble.	500026	36	37.00	1.00	
		<18.00>-<19.00>: White weakly marbled limestone and grey fine grained massive limestone with convoluted calcite blebs.	500027	37	38.60	1.60	4.00
		<19.00>-<20.00>: White limestone/marble. vuggy, limonitic and weakly fractured.					
		<20.00>-<21.00>: Calcite Veining. Calcite veinlets					
		<20.00>-<21.00>: White and grey limestone. Vuggy, massive, limonitic, calcite veinlets, locally brecciated/fractured.					
		<21.00>-<24.00>: Grey limestone, fine grained, weakly marbled.					
		<24.00>-<27.00>: Buff to white limestone/marble. Fine grained, remnant clastic texture.					
		<27.00>-<31.00>: Light grey, fine grained limestone. Local black dendritic-like texture, poorly bedded, 30-31 is bioturbated. Up to 2% fine grained disseminated and veinlet pyrite.					
		<28.00>-<31.00>: Pyrite Veining. Pyrite veinlets and stringers are convoluted from 29-30m, with green selvages.					
		<31.00>-<32.00>: Dark to light grey limestone, fine grained and medium bedded. Bioturbated, shattered/sheared/brecciated at 31m.					
		<32.00>-<33.00>: Calcite Veining. Pyrite occurs with calcite stringers.					
		<32.00>-<33.00>: Light brown, green and white limestone. Mottled, bioturbated, fine grained. Pyrite occurs as disseminations, in calcite stringers and with green clayey gouge in 1-3mm fractures.					
		<33.00>-<38.60>: Mottled, bioturbated limestone. Lower contact is brecciated.					
38.60	45.80	Green skarn					
		Colour: medium green.	500028	39	40.00	1.40	
		Grain Size: Fine to Medium.	500029	40	41.00	1.00	
		Porphyry Texture: Porphyritic (porphyroblastic ?) texture.	500030	41	42.00	1.00	3.00
		Feldspar Phenocrysts: 1-3mm feldspar phenocrysts are locally clay-altered.	500031	42	43.00	1.00	
		Composition	500032	43	44.00	1.00	3.00
		Feldspar: 5 to 10%. Feldspar phenocrysts are unaltered, white and euhedral to anhedral, milky grey, clay altered.	500033	44	45.00	1.00	
			500034	45	45.80	0.80	4.00

PHELPS DODGE CORPORATION OF CANADA, LIMITED
DIAMOND DRILL LOG

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From(m)	To(m)	Description	SAMPLE	HOLE	FROM	TO	AU PPB
		Alteration					
		Alteration: Common orange-red and strong yellow alteration mineral rimming or totally replacing phenocrysts and diffuse in groundmass.					
		Clay: Nil to Moderate. Feldspars are unaltered, white and euhedral to anhedral, milky grey, clay altered.					
		Veins and Sub-Intervals					
		Calcite Veining. Width 0.30cm. Common calcite veinlets up to 3mm wide.					
		<44.00>-<45.00>: Skarn is brecciated.					
45.80	63.00	Limestone					
		Colour: white to black .	500035	46	47.00	1.20	
		Grain Size: Fine.	500036	47	48.00	1.00	
		Structure	500037	48	49.00	1.00	6.00
		Brecciation: Shattered/brecciated with calcite matrix at 48-49m.	500038	49	50.00	1.00	
		Shattered: Shattered crackle breccia in 50-51m section.	500039	50	51.00	1.00	
		Bedding: 10 deg. cax. Poor bedding in section 51-52m.	500040	51	52.00	1.00	6.00
		Laminations: Carbonaceous laminations in section 51-53m are weakly folded.	500041	52	53.00	1.00	
		Fault: Limestone is faulted in 52-53m section.	500042	53	54.00	1.00	
		Brecciation: Crackle breccias in 54-55 and 56-57m sections.	500043	54	55.00	1.00	3.00
		Laminations: 40 deg. cax. Weak laminations, 55-56m section.	500044	55	56.00	1.00	
		Fracturing: Limestone is fractured from 57-61m and from 60-63m, with fault gouge in 60-61m section.	500045	56	57.00	1.00	
			500046	57	58.00	1.00	9.00
		Brecciation: Brecciation at 60-61m and crackle to matrix supported breccia from 61-62m.	500047	58	59.00	1.00	
			500048	59	60.00	1.00	
		Alteration	500049	60	61.00	1.00	5.00
		Limonite: Limonitic open fractures from 46-47m.	500050	61	62.00	1.00	
		Limonite: Limonitic fractures, 53-54m and 60-62m.	500051	62	63.00	1.00	
		Silicification: Silicified from 61m to 63m.					
		Mineralisation					
		Pyrite: Fine grained pyrite on fractures.					
		Pyrite: Crackle breccia contains 10cm pyritic breccia.					
		Pyrite: Limestone is pyritic.					
		Sub-Intervals					
		<45.80>-<47.00>: White, fine grained limestone with limonitic fractures.					
		<47.00>-<48.00>: White to grey fine grained limestone, weakly marbled.					
		<48.00>-<49.00>: Grey and white marble/limestone. Shattered/brecciated with calcite matrix. Fine grained pyrite on fractures.					

PHELPS DODGE CORPORATION OF CANADA, LIMITED

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DIAMOND DRILL LOG

Page 6

From(m)	To(m)	Description	SAMPLE	HOLE	FROM	TO	AU PPB
		<49.00>-<51.00>: Light grey limestone, fractured/shattered with local crackle breccia. Pyrite occurs on fractures and as 10cm pyritic breccia within crackle breccia.					
		<51.00>-<52.00>: Grey, poorly bedded limestone with weakly folded black carbonaceous laminations and 30cm of elongate, round limestone pebbles in a fine grained groundmass.					
		<52.00>-<53.00>: Black and white faulted limestone. Three blocks of bleached white limestone grade into black/gray laminated, weakly folded limestone. Each block is truncated sharply across laminations.					
		<53.00>-<61.00>: White to grey limestone/marble. Black laminated limestone at 54m.					
		<61.00>-<62.00>: Glassy grey, silicified limestone breccia (crackle to matrix supported) with limonitic fractures.					
		<62.00>-<63.00>: Glassy grey, vuggy, fractured pyritic limestone.					
63.00	64.60	Microsyenite Colour: green to grey Grain Size: Very Fine. Mineralisation Pyrite: Trace to 3%. Syenite is pyritic.	500052	63	65.00	2.00	7.00
64.60	73.00	Limestone Structure Brecciation: Local breccia and crackle breccia in 67-69m and 70.6-72m sections. Fracturing: Weak fracturing from 69-70.6m. Alteration Silicification: Questionable silicification in glassy grey limestone in 67-69m and 71-72m sections. Mineralisation Fluorite: Trace. Rare purple fluorite in 65-66m section. Pyrite: Trace. Minor disseminated pyrite in 64.6-66m, 68-69m and 71-72m sections. Veins and Sub-Intervals <64.60>-<66.00>: Grey to white, fine grained, weakly fractured pyritic limestone with rare purple fluorite. <66.00>-<67.00>: Light grey to white limestone/marble. <67.00>-<69.00>: Glassy grey (silicified?) to white limestone/marble with local	500053 500054 500055 500056 500057 500058 500059 500060	65 66 67 68 69 70 71 72	66.00 67.00 68.00 69.00 70.00 71.00 72.00 73.00	1.00 1.00 1.00 1.00 1.00 1.00 1.00	5.00 7.00

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DIAMOND DRILL LOG

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From(m)	To(m)	Description	SAMPLE	HOLE	FROM	TO	AU PPB
		breccia and crackle breccia. Minor disseminated pyrite.					
		<69.00>-<70.60>: Light grey to white, weakly fractured limestone/marble.					
		<70.60>-<72.00>: Glassy grey (silicified?) limestone breccia and crackle breccia with minor disseminated pyrite.					
		<72.00>-<73.00>: Maganese Veining. Minor black hairline veinlets (manganese?) along fractures.					
		<72.00>-<73.00>: Glassy grey and light grey fractured limestone with minor black hairline veinlets.					
73.00	82.90	Limestone breccia					
		Colour: white to medium grey.	500061	73	74.00	1.00	2.00
		Grain Size: Fine.	500062	74	75.00	1.00	
		Brecciation Texture: Vuggy limestone breccia has local crackle breccia and rare unbrecciated sections.	500063	75	76.00	1.00	
			500064	76	77.00	1.00	2.00
		Structure	500065	77	78.00	1.00	
		Shearing: Questionable shear zone in 80-81m section.	500066	78	79.00	1.00	
		Bedding: Poor bedding in 81-82m section.	500067	79	80.00	1.00	1.00
		Sub-Intervals	500068	80	81.00	1.00	
		<73.00>-<74.00>: Light grey to white marbled vuggy limestone breccia.	500069	81	82.00	1.00	
		<74.00>-<75.00>: Light grey to white, crystalline, marbled vuggy limestone. Shattered/crackle breccia.	500070	82	82.90	0.90	5.00
		<75.00>-<80.00>: Grey to white vuggy limestone breccia.					
		<80.00>-<81.00>: Grey to light grey, fine grained, poorly bedded limestone. Locally brecciated.					
		<81.00>-<82.90>: White to light grey shattered/sheared/brecciated limestone/marble with some clay gouge.					
82.90	84.00	Syenite					
		Colour: grey	500071	83	84.00	1.10	
		Grain Size: Very Fine.					
		Structure					
		Fault: Fault?					
		Alteration					
		Clay: Clay altered.					
		Mineralisation					
		Fluorite: Trace. Rare fluorite.					

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From(m)	To(m)	Description-----	SAMPLE	HOLE	FROM	TO	AU PPB
84.00	86.00	Limestone					
		Colour: white .	500072	84	85.00	1.00	
		Grain Size: Fine.	500073	85	86.00	1.00	13.00
		Brecciation Texture: 84-85m is limestone breccia, limestone below 85m depth.					
		Structure					
		Fault: Faulted bottom contact?					
		Alteration					
		Clay: Very Strong. Bottom of section consists of clay-altered syenite gouge.					
		Mineralisation					
		Fluorite: Trace. Trace fluorite between 84 and 85m.					
		Veins and Sub-Intervals					
		Dyke Veining. Altered syenite dyke in bottom of section.					
		<84.00>-<85.00>: White fine grained limestone breccia with trace fluorite.					
		<85.00>-<86.00>: Limestone and clay altered syenite gouge.					
86.00	90.50	Siltstone.					
		Colour: green to grey .	500074	86	87.00	1.00	
		Grain Size: Fine to Very Fine.	500075	87	88.00	1.00	
		Composition	500076	88	89.00	1.00	11.00
		Carbonate: Siltstone in sections 86-87m and 88-90m are calcareous.	500077	89	90.00	1.00	
		Structure	500078	90	91.00	1.00	9.00
		Bedding: 50 deg. cax. Siltstone at 86-87m.					
		Brecciation: 45 deg. cax. Pyritic siltstone breccia at 89-90m.					
		Mineralisation					
		Fluorite: Fluorite in calcite veins.					
		Pyrite: 1 to 5%. Disseminated pyrite in calcareous siltstone, 88-90m section.					
		Veins and Sub-Intervals					
		<86.00>-<87.00>: Calcite Veining. Calcite veins in section.					
		<86.00>-<87.00>: Very fine grained, bedded, green and tan calcareous silt or chert. Fluorite in calcite veins.					
		<87.00>-<88.00>: Dyke Veining. Syenite dyke(s) of unspecified width(s) in section.					
		<87.00>-<88.00>: Limestone/chert (siltstone?) and syenite.					
		<88.00>-<90.00>: Green and grey weakly calcareous, pyritic siltstone breccia.					
		<90.00>-<90.50>: Green siltstone.					
90.50	101.20	Microsyenite					

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From(m)	To(m)	Description	SAMPLE	HOLE	FROM	TO	AU PPB
		Colour: grey .	500079	91	92.00	1.00	
		Grain Size: Very Fine.	500080	92	93.00	1.00	
		Composition	500081	93	94.00	1.00	5.00
		Feldspar: Contains 1-2mm euhedral feldspars.	500082	94	95.00	1.00	
		Structure	500083	95	96.00	1.00	
		Brecciation: Local limestone clasts between 90.5 and 91m.	500084	96	97.00	1.00	6.00
		Fracturing: Unit is fractured and shattered from upper contact to 98m depth.	500085	97	98.00	1.00	
		Alteration	500086	98	99.00	1.00	8.00
		Calcite: Weak. Feldspars are weakly calcareous at 91-92m.	500087	99	100.00	1.00	
		Clay: Very Strong. Entire section is clay-altered, resulting in gouge and rubble between 91 and 98m. Below 98m, core is cohesive but soft.	500088	100	101.20	1.20	9.00
		Feldspar: Feldspars are rimmed by pink/brown alteration from 98m to bottom of hole.					
		Mineralisation					
		Pyrite: Trace. Section 91-92m is weakly pyritic.					
		Veins					
		<90.50>-<91.00>: Calcite Veining. Common calcite veins.					
101.20		END OF HOLE.					

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ASSAY LOG

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SAMPLE	HOLE	FROM	TO	-----Comment-----	AU PPB
500001	9	11.00	1.60	Microsyenite and skarn.	16.00
500002	11	13.00	2.00	Limestone.	
500003	13	14.00	1.00	Limestone	
500004	14	15.00	1.00	Limestone	6.00
500005	15	16.00	1.00	Limestone	
500006	16	17.00	1.00	Limestone	
500007	17	18.00	1.00	Limestone	9.00
500008	18	19.00	1.00	Limestone	
500009	19	20.00	1.00	Limestone	
500010	20	21.00	1.00	Limestone	7.00
500011	21	22.00	1.00	Limestone	
500012	22	23.00	1.00	Limestone	
500013	23	24.00	1.00	Limestone	4.00
500014	24	25.00	1.00	Limestone	
500015	25	26.00	1.00	Limestone	
500016	26	27.00	1.00	Limestone	15.00
500017	27	28.00	1.00	Limestone	
500018	28	29.00	1.00	Limestone	
500019	29	30.00	1.00	Limestone	8.00
500020	30	31.00	1.00	Limestone	
500021	31	32.00	1.00	Limestone	
500022	32	33.00	1.00	Limestone	4.00
500023	33	34.00	1.00	Limestone	
500024	34	35.00	1.00	Limestone	
500025	35	36.00	1.00	Limestone	5.00
500026	36	37.00	1.00	Limestone	
500027	37	38.60	1.60	Limestone	4.00
500028	39	40.00	1.40	Skarn	
500029	40	41.00	1.00	Skarn	
500030	41	42.00	1.00	Skarn	3.00
500031	42	43.00	1.00	Skarn	
500032	43	44.00	1.00	Skarn	3.00
500033	44	45.00	1.00	Skarn	
500034	45	45.80	0.80	Skarn	4.00
500035	46	47.00	1.20	Limestone	
500036	47	48.00	1.00	Limestone	
500037	48	49.00	1.00	Limestone	6.00

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ASSAY LOG

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SAMPLE	HOLE	FROM	TO	-----Comment-----	AU PPB
500038	49	50.00	1.00	Limestone	
500039	50	51.00	1.00	Limestone	
500040	51	52.00	1.00	Limestone	6.00
500041	52	53.00	1.00	Limestone	
500042	53	54.00	1.00	Limestone	
500043	54	55.00	1.00	Limestone	3.00
500044	55	56.00	1.00	Limestone	
500045	56	57.00	1.00	Limestone	
500046	57	58.00	1.00	Limestone	9.00
500047	58	59.00	1.00	Limestone	
500048	59	60.00	1.00	Limestone	
500049	60	61.00	1.00	Limestone	5.00
500050	61	62.00	1.00	Limestone	
500051	62	63.00	1.00	Limestone	
500052	63	65.00	2.00	Microsyenite	7.00
500053	65	66.00	1.00	Limestone	
500054	66	67.00	1.00	Limestone	
500055	67	68.00	1.00	Limestone	5.00
500056	68	69.00	1.00	Limestone	
500057	69	70.00	1.00	Limestone	
500058	70	71.00	1.00	Limestone	7.00
500059	71	72.00	1.00	Limestone	
500060	72	73.00	1.00	Limestone	
500061	73	74.00	1.00	Limestone	2.00
500062	74	75.00	1.00	Limestone	
500063	75	76.00	1.00	Limestone	
500064	76	77.00	1.00	Limestone	2.00
500065	77	78.00	1.00	Limestone	
500066	78	79.00	1.00	Limestone	
500067	79	80.00	1.00	Limestone	1.00
500068	80	81.00	1.00	Limestone	
500069	81	82.00	1.00	Limestone	
500070	82	82.90	0.90	Limestone	5.00
500071	83	84.00	1.10	Syenite	
500072	84	85.00	1.00	Limestone	
500073	85	86.00	1.00	Limestone and syenite.	13.00
500074	86	87.00	1.00	Siltstone	

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ASSAY LOG

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SAMPLE	HOLE	FROM	TO	-----Comment-----	AU PPB
500075	87	88.00	1.00	Limestone, chert, syenite.	
500076	88	89.00	1.00	Siltstone	11.00
500077	89	90.00	1.00	Siltstone	
500078	90	91.00	1.00	Siltstone, microsyenite.	9.00
500079	91	92.00	1.00	Microsyenite	
500080	92	93.00	1.00	Microsyenite	
500081	93	94.00	1.00	Microsyenite	5.00
500082	94	95.00	1.00	Microsyenite	
500083	95	96.00	1.00	Microsyenite	
500084	96	97.00	1.00	Microsyenite	6.00
500085	97	98.00	1.00	Microsyenite	
500086	98	99.00	1.00	Microsyenite	8.00
500087	99	100.00	1.00	Microsyenite	
500088	100	101.20	1.20	Microsyenite	9.00

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DIAMOND DRILL LOG

PROPERTY	: Twenty-Nine Mile	PROJECT #	: 190		
NTS MAP #	: 82G/2E	TOWNSHIP	: Fort Steele Mining Division	CLAIM #	: Grid K, Flathead Claims
LINE/STATION:	99+05E / 100+50N	EASTINGS/NORTHINGS:		ELEVATION	: 1706.00 m
LENGTH	: 91.50 m	INCLINATION	: -60.0 degrees	AZIMUTH	: 180.0 degrees
OVERBURDEN	: 10.70 m	CASING	: NQ		
LOGGED BY	: Greg Kulla	DRILLED BY	: Kootenay Drilling	ASSAYING BY	: Acme Analytical Laboratories
DATE LOGGED	: 1994/08/08 to 1994/08/10	DATE DRILLED	: 1994/08/06 to 1994/08/10	CORE LOCATION:	

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ABSTRACT

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Hole drilled to test the western extent of the Discovery Showing.

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SUMMARY LOG

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From(m)	To(m)	Field Name (Legend)
0.00	10.70	Overburden Casing
10.70	16.20	Argillaceous limestone/dolomite breccia Dolomite breccia is present as rubble.
16.20	23.00	Quartzite breccia Quartzite crackle breccia is weakly calcareous over most of section.
23.00	25.60	Limestone breccia Mottled grey limestone, locally argillaceous and pyritic.
25.60	33.70	Microsyenite Pink and green microsyenite is locally weakly brecciated and magnetic.
33.70	57.00	Limestone Limestone is largely bioturbated with pink and green marbling in the upper portion of section, crossbedded and locally brecciated in the lower portion.
57.00	58.00	Mudstone Marled, flesh-brown, calcareous mudstone.
58.00	72.50	Limestone Grey, bedded to massive limestone is locally bioturbated, occasionally stylolitic.
72.50	74.60	Breccia Altered, heterolithic, clast supported breccia (intrusion breccia?).
74.60	85.00	Limestone Limestone is locally brecciated (including crackle brecciation), stylolitic, and vuggy. Much of section has pale pink and green colour variegations.
85.00	91.50	Syenite Grey syenite (microsyenite near contact) is clay altered throughout, commonly containing pyrite and fluorite. Upper contact is faulted.
91.50		END OF HOLE.

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DIAMOND DRILL LOG

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From(m)	To(m)	Description	SAMPLE	HOLE	FROM	TO	AU PPB
0.00	10.70	Overburden					
10.70	16.20	Argillaceous limestone/dolomite breccia Colour: grey to buff buff. Brecciation Texture: Dolomite is brecciated.	500089	11	16.20	5.50	39.00
16.20	23.00	Quartzite breccia Colour: mottled white-grey to light grey. Brecciation Texture: Entire unit is a crackle breccia Composition Carbonate: 16.2m-21m is weakly calcareous. Dolomite: 17.4-19.5 may be dolomite. Structure Fault: Fault gouge at base of unit. Alteration Limonite: 17.4-19.5 has limonitic fractures.	500090 500091 500092 500093 500094	16 17 20 21 22	17.40 19.50 21.00 22.00 23.00	1.20 2.10 1.50 1.00 1.00	5.00 38.00 9.00
23.00	25.60	Limestone breccia Colour: light grey to dark grey. Grain Size: Fine to Medium. Brecciation Texture: Weakly brecciated. Structure Fault: Gouge at base of section. Mineralisation Pyrite: Trace. Disseminated pyrite from 25m-25.6m. Sub-Intervals <23.00>-<25.00>: Light grey mottled, fine grained, weakly brecciated limestone. <25.00>-<25.60>: Dark grey argillaceous limestone breccia, medium grained with disseminated pyrite.	500095 500096 500097	23 24 25	24.00 25.00 25.60	1.00 1.00 0.60	197.00
25.60	33.70	Microsyenite Colour: pink to green Feldspar Phenocrysts: White to green feldspar phenocrysts are set in a pink groundmass. Composition Feldspar: 30 to 40%. White to green, 1-3mm, weakly zoned feldspars.	500098 500099 500100 500101 500102	26 26 28 29 30	26.50 28.00 29.00 30.00 31.00	0.90 1.50 1.00 1.00 1.00	82.00 89.00

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From(m)	To(m)	Description-----	SAMPLE	HOLE	FROM	TO	AU PPB
		Alteration	500103	31	32.00	1.00	
		Clay: 32m-33.7m is clay/gouge rich	500104	32	33.70	1.70	61.00
		Mineralisation					
		Pyrite: 3 to 5%. Disseminated pyrite from 25.6 to 26.5m.					
		Magnetite: 1 to 2%. Disseminated magnetite.					
33.70	57.00	Limestone					
		Colour: light grey to dark grey.	500105	34	35.00	1.30	
		Grain Size: Medium.	500106	35	36.00	1.00	
		Vu Texture: Limestone in top half of unit (33.7-45m) is vuggy.	500107	36	37.00	1.00	2.00
		Structure	500108	37	38.00	1.00	
		Bedding: 30 deg. cax. Bedding at 35-36m.	500109	38	39.00	1.00	
		Banding: 45 deg. cax. Banding (crossbedding?) at 45-46m.	500110	39	40.00	1.00	7.00
		Banding: 30 deg. cax. Banding (crossbedding?) at 50-51m.	500111	40	41.00	1.00	
		Banding: 20 deg. cax. Banding (crossbedding?) at 53-54m.	500112	41	42.00	1.00	
		Alteration	500113	42	43.00	1.00	5.00
		Limnite: Limonitic fractures from 33.7-37m	500114	43	44.00	1.00	
		Clay: Green clay on fractures, 37-45m.	500115	44	45.00	1.00	
		Mineralisation	500116	45	46.00	1.00	19.00
		Pyrite: Trace. Weakly disseminated pyrite, 36-37m.	500117	46	47.00	1.00	
		Pyrite: Trace. Minor pyrite on calcite veinlets, 45-57m.	500118	47	48.00	1.00	
		Veins and Sub-Intervals	500119	48	49.00	1.00	4.00
		<33.70>-<35.00>: Grey, medium grained limestone breccia, limonitic and vuggy.	500120	49	50.00	1.00	
		<35.00>-<36.00>: Light grey mottled, medium grained, bedded limestone with limonitic fractures.	500121	50	51.00	1.00	
			500122	51	52.00	1.00	2.00
		<36.00>-<45.00>: Light grey, pale pink and green marbled, bioturbated, vuggy, medium grained limestone with weakly disseminated pyrite.	500123	52	53.00	1.00	
		Limnite or green clay are locally present on fractures.	500124	53	54.00	1.00	
			500125	54	55.00	1.00	4.00
		<45.00>-<57.00>: Calcite Veining. Calcite veinlets.	500126	55	56.00	1.00	
		<45.00>-<56.60>: Grey to dark grey wisply crossbedded?/banded limestone has flame-like crossbeds. Rounded calcite pebbles/clasts are common. Minor pyrite occurs in calcite veinlets. Local angular breccia with calcite cement.	500127	56	57.00	1.00	
		<56.50>-<57.00>: Limestone with 7-10mm calcareous mud bands.					
57.00	58.00	Mudstone					
		Colour: light brown.	500128	57	58.00	1.00	3.00

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From(m)	To(m)	Description	SAMPLE	HOLE	FROM	TO	AU PPB
58.00	72.50	Limestone					
		Colour: light grey to dark grey.	500129	58	59.00	1.00	
		Grain Size: Fine to Medium.	500130	59	60.00	1.00	
		Structure	500131	60	61.00	1.00	1.00
		Fracturing: Common open fractures from 58m to 66m.	500132	61	62.00	1.00	
		Laminations: 70 to 75 deg. cax. Local black laminations, 59-66m.	500133	62	63.00	1.00	
		Bedding: 70 deg. cax. Bedding, 66-70m.	500134	63	64.00	1.00	1.00
		Shearing: Shear/breccia zone at 68-69m, oblique to core axis.	500135	64	65.00	1.00	
		Sub-Intervals	500136	65	66.00	1.00	
		<58.00>-<59.00>: Grey mottled, wispy bedded, medium grained limestone with open fractures.	500137	66	67.00	1.00	4.00
			500138	67	68.00	1.00	
		<59.00>-<66.00>: Light grey, medium grained, bedded to massive limestone. Weakly stylolitic, common open fractures. Local black laminations.	500139	68	69.00	1.00	
			500140	69	70.00	1.00	5.00
			500141	70	71.00	1.00	
		<66.00>-<68.00>: Grey to dark grey, medium to fine grained, thin bedded limestone. Locally bioturbated and/or flame-like load structures.	500142	71	72.50	1.50	
		<68.00>-<69.00>: Brown-pink, muddy, strongly calcareous, breccia/shear, at an oblique angle to core axis.					
		<69.00>-<72.50>: Grey to light grey, medium grained, poorly bedded limestone. Minor breccia with in bottom 1.5m of section.					
72.50	74.60	Breccia					
		Brecciation Texture: Heterolithic, clast supported, may be altered intrusion breccia.	500143	72	74.60	2.10	13.00
		Composition					
		Fragmental: Angular, 3mm to 5cm limestone and mudstone clasts.					
		Biotite: Common biotite/phlogopite in matrix.					
		Alteration					
		Calcite: Moderate. Matrix is moderately calcareous.					
		Clay: Clay altered and crumbly.					
		Albite: Common flesh to buff discoloration of fragments and cement, albitic alteration?					
		Mineralisation					
		Pyrite: Pyrite veinlets.					

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From(m)	To(m)	Description-----	SAMPLE	HOLE	FROM	TO	AU PPB
74.60	85.00	Limestone					
		Colour: white to light grey.	500144	75	76.00	1.40	
		Grain Size: Medium.	500145	76	77.00	1.00	
		Vu Texture: Locally vuggy.	500146	77	78.00	1.00	14.00
		Structure	500147	78	79.00	1.00	
		Fault: 10cm of gouge at 77.6m.	500148	79	80.00	1.00	
		Fracturing: Common open fractures from 78-85m.	500149	80	81.00	1.00	1.00
		Alteration	500150	81	82.00	1.00	
		Brecciation: Crackle breccia from 75-78m.	500151	82	83.00	1.00	4.00
		Sub-Intervals	500152	83	84.00	1.00	
		<75.00>-<78.00>: White to light grey wispy/streaky, vuggy, crackle breccia limestone with common stylolites. Includes 20cm of coarse grained, moderately calcareous sandstone in 77-78m section.	500153	84	85.00	1.00	1.00
		<78.00>-<85.00>: Light grey mottled to variegated pale pink and green, medium grained limestone. Locally vuggy and brecciated with common open fractures.					
85.00	91.50	Syenite					
		Colour: grey .	500154	85	86.30	1.30	
		Brecciation Texture: Locally brecciated.	500155	86	87.00	0.70	
		Composition	500156	87	88.00	1.00	6.00
		Feldspar: 10 to 15%. 1 to 2mm white feldspars.	500157	88	89.00	1.00	
		Pyroxene: Forest green, needle-like aegerine? crystals >1mm.	500158	89	90.00	1.00	
		Biotite: Biotite	500159	90	91.50	1.50	16.00
		Structure					
		Fault: Fault gouge in syenite at 85m.					
		Bedding: 40 deg. cax. Thin bedded limestone in 85-86.3m section.					
		Alteration					
		Clay: Syenite is clay altered over entire section.					
		Mineralisation					
		Pyrite: Trace. Minor disseminated pyrite and pyrite veinlets between 86 and 87m.					
		Fluorite: Abundant disseminated fluorite throughout most of section with a fluorite vein cutting a syenite breccia fragment in 89-90m section.					
		Sub-Intervals					
		<85.00>-<86.30>: Grey fault gouge or clay-altered syenite and grey medium grained, thin bedded limestone. Locally brecciated.					
		<86.30>-<87.00>: Grey, clay altered microsyenite gouge/rubble has common					

PHELPS DODGE CORPORATION OF CANADA, LIMITED

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DIAMOND DRILL LOG

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From(m)	To(m)	Description-----	SAMPLE	HOLE	FROM	TO	AU
							PPB

disseminated purple fluorite, minor disseminated pyrite and
pyrite veinlets and weakly calcareous local limestone clasts.
<87.00>-<91.50>: Grey clay-altered syenite contains abundant fluorite.

91.50 END OF HOLE.

PHELPS DODGE CORPORATION OF CANADA, LIMITED

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ASSAY LOG

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SAMPLE	HOLE	FROM	TO	-----Comment-----	AU PPB
500089	11	16.20	5.50	Limestone	39.00
500090	16	17.40	1.20	Quartzite?	5.00
500091	17	19.50	2.10	Quartzite	38.00
500092	20	21.00	1.50	Quartzite	
500093	21	22.00	1.00	Quartzite	
500094	22	23.00	1.00	Quartzite	9.00
500095	23	24.00	1.00	Limestone	
500096	24	25.00	1.00	Limestone	
500097	25	25.60	0.60	Limestone	197.00
500098	26	26.50	0.90	Microsyenite	
500099	26	28.00	1.50	Microsyenite	
500100	28	29.00	1.00	Microsyenite	82.00
500101	29	30.00	1.00	Microsyenite	
500102	30	31.00	1.00	Microsyenite	89.00
500103	31	32.00	1.00	Microsyenite	
500104	32	33.70	1.70	Microsyenite	61.00
500105	34	35.00	1.30	Limestone	
500106	35	36.00	1.00	Limestone	
500107	36	37.00	1.00	Limestone	2.00
500108	37	38.00	1.00	Limestone	
500109	38	39.00	1.00	Limestone	
500110	39	40.00	1.00	Limestone	7.00
500111	40	41.00	1.00	Limestone	
500112	41	42.00	1.00	Limestone	
500113	42	43.00	1.00	Limestone	5.00
500114	43	44.00	1.00	Limestone	
500115	44	45.00	1.00	Limestone	
500116	45	46.00	1.00	Limestone	19.00
500117	46	47.00	1.00	Limestone	
500118	47	48.00	1.00	Limestone	
500119	48	49.00	1.00	Limestone	4.00
500120	49	50.00	1.00	Limestone	
500121	50	51.00	1.00	Limestone	
500122	51	52.00	1.00	Limestone	2.00
500123	52	53.00	1.00	Limestone	
500124	53	54.00	1.00	Limestone	
500125	54	55.00	1.00	Limestone	4.00

PHELPS DODGE CORPORATION OF CANADA, LIMITED

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ASSAY LOG

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SAMPLE	HOLE	FROM	TO	-----Comment-----	AU PPB
500126	55	56.00	1.00	Limestone	
500127	56	57.00	1.00	Limestone	
500128	57	58.00	1.00	Mudstone	3.00
500129	58	59.00	1.00	Limestone	
500130	59	60.00	1.00	Limestone	
500131	60	61.00	1.00	Limestone	1.00
500132	61	62.00	1.00	Limestone	
500133	62	63.00	1.00	Limestone	
500134	63	64.00	1.00	Limestone	1.00
500135	64	65.00	1.00	Limestone	
500136	65	66.00	1.00	Limestone	
500137	66	67.00	1.00	Limestone	4.00
500138	67	68.00	1.00	Limestone	
500139	68	69.00	1.00	Limestone	
500140	69	70.00	1.00	Limestone	5.00
500141	70	71.00	1.00	Limestone	
500142	71	72.50	1.50	Limestone	
500143	72	74.60	2.10	Heterolithic breccia	13.00
500144	75	76.00	1.40	Limestone	
500145	76	77.00	1.00	Limestone	
500146	77	78.00	1.00	Limestone	14.00
500147	78	79.00	1.00	Limestone	
500148	79	80.00	1.00	Limestone	
500149	80	81.00	1.00	Limestone	1.00
500150	81	82.00	1.00	Limestone	
500151	82	83.00	1.00	Limestone	4.00
500152	83	84.00	1.00	Limestone	
500153	84	85.00	1.00	Limestone	1.00
500154	85	86.30	1.30	Syenite/limestone	
500155	86	87.00	0.70	Microsyenite	
500156	87	88.00	1.00	Syenite	6.00
500157	88	89.00	1.00	Syenite	
500158	89	90.00	1.00	Syenite	
500159	90	91.50	1.50	Syenite	16.00

PHELPS DODGE CORPORATION OF CANADA, LIMITED
DIAMOND DRILL LOG

94-3

12-07-1994 :: 15:20

PROPERTY : Twenty-Nine Mile PROJECT # : 190
NTS MAP # : 82G/2E TOWNSHIP : Fort Steele Mining Division CLAIM # : Grid K, Flathead Claims
LINE/STATION: 99+90E / 99+85N EASTINGS/NORTHINGS: ELEVATION : 1708.00 m
LENGTH : 81.40 m INCLINATION : -60.0 degrees AZIMUTH : 180.0 degrees
OVERBURDEN : 3.10 m CASING : 3.1m casing - NQ core
LOGGED BY : Greg Kulla DRILLED BY : Kootenay Exploration Drilling ASSAYING BY : Acme Analytical Laboratories
DATE LOGGED : 1994/08/11 to 1994/08/11 DATE DRILLED : 1994/08/11 to 1994/08/13 CORE LOCATION: on site

PHELPS DODGE CORPORATION OF CANADA, LIMITED

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ABSTRACT

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Drilled to test the eastern extent of the discovery showing

PHELPS DODGE CORPORATION OF CANADA, LIMITED

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SUMMARY LOG

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From(m)	To(m)	Field Name (Legend)
0.00	3.10	Overburden (OB) Casing
3.10	66.00	Limestone (Lst) Buff to grey fine to medium grained fossiliferous limestone locally hornfelsed or weakly calcsilicate altered with moderate clay commonly on fractures. Only minor fine grained disseminated pyrite and local fluorite.
66.00	75.00	Microsyenite (Ki) Grey to green clay altered crowded microporphyry. Weakly disseminated fine grained pyrite
75.00	82.00	Limestone (Lst) Mottled grey vuggy limestone with moderate disseminated and veinlet fluorite. Massive pyrite at upper contact with syenite.
82.00	84.10	Microsyenite (Ki) Green clay altered agerine, augite feldspar microporphyry weakly disseminated with pyrite and magnetite. Mostly rubble with calcite common on fracture surfaces.
84.10		END OF HOLE.

PHELPS DODGE CORPORATION OF CANADA, LIMITED

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DIAMOND DRILL LOG

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From(m)	To(m)	Description	SAMPLE	HOLE	FROM	TO	AU PPB
0.00	3.10	Overburden (OB)					
3.10	66.00	Limestone (Lst)					
		Sub-Intervals	500160	3	3.40	0.30	
		<3.10>-<5.00>: Buff medium grained dolomitic limestone	500161	3	5.00	1.60	
		<5.00>-<20.00>: Dark grey medium grained poorly bedded fossiliferous limestone.	500162	5	6.00	1.00	67.00
		Bedding approximately 30 degrees to core axis. Calcite veins .	500163	6	7.00	1.00	
		5cm to 1cm and minor fine grained disseminated pyrite.	500164	7	8.00	1.00	
		<20.00>-<28.00>: Buff medium grained weakly dolomitic limestone. Weakly	500165	8	9.00	1.00	4.00
		limonitic, vuggy with local open fractures. 22.0 to 24.0	500166	9	10.00	1.00	
		mostly rubble.	500167	10	11.00	1.00	
		<28.00>-<33.30>: Mottled grey to bleached white medium grained limestone.	500168	11	12.00	1.00	3.00
		Moderately limonitic with bleached white halos along hairline	500169	12	13.00	1.00	
		fractures. Vuggy. Four limonitic pyrite nuggets at 33.3	500170	13	14.00	1.00	
		<33.30>-<39.00>: Mottled grey medium grained poorly bedded/banded fossiliferous/	500171	14	15.00	1.00	6.00
		bioturbated limestone. Bedding/banding approximately 70	500172	15	16.00	1.00	
		degrees to core axis. Local pink-green colouration. Fine	500173	16	17.00	1.00	
		grained pyrite with hairline fractures.	500174	17	18.00	1.00	7.00
		<39.00>-<41.00>: Mottled grey and brown fine grained bioturbated limestone.	500175	18	19.00	1.00	
		Abundant lime green clay on fractures/veinlets.	500176	19	20.00	1.00	
		<41.00>-<48.00>: Grey to dark grey wispy banded/crossbedded limestone. Local	500177	20	21.00	1.00	5.00
		argillaceous and calcareous mudstone beds 45 degrees to core	500178	21	22.00	1.00	
		axis. Abundant clay on fractures, local gouge and minor	500179	22	23.00	1.00	
		offsets. Local pink brown colouration.	500180	23	24.00	1.00	9.00
		<41.00>-<48.00>: Minor pyrite on fracture surfaces. Gouge at 41.2m and 47m.	500181	24	25.00	1.00	
		Marker horizon of .5cm to 1cm alternating bands of limestone	500182	25	26.00	1.00	
		and calcaeous mudstone at 47m. Brecciated at 48m.	500183	26	27.00	1.00	7.00
		<48.00>-<52.00>: Light grey to white weakly silicified limestone. Stylolitic.	500184	27	28.00	1.00	
		Loally limonitic and vuggy. Difuss bleached white	500185	28	29.00	1.00	
		discolouration around a network of fine hairline fractures.	500186	29	30.00	1.00	3.00
		Rare pyrite and fluorite.	500187	30	31.00	1.00	
		<52.00>-<54.00>: Mottled dark grey fine grained bioturbated poorly bedded.	500188	31	32.00	1.00	
		Stylolitic. weak bleached discolouration. Pyrite along black	500189	32	33.30	1.30	2.00
		stylolitic fractures.	500190	33	34.00	0.70	
		<54.00>-<55.00>: Mottled grey and pink pyritic limestone, dark grey wispy	500191	34	35.00	1.00	
		argillaceous limestone and white vuggy green clay rich	500192	35	36.00	1.00	9.00

PHELPS DODGE CORPORATION OF CANADA, LIMITED
DIAMOND DRILL LOG

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From(m)	To(m)	Description	SAMPLE	HOLE	FROM	TO	AU PPB
		limestone.	500193	36	37.00	1.00	
	<55.00>-<66.00>	Mottled white fine grained stylolitic limestone. Clear calcite	500194	37	38.00	1.00	
		fills fractures and vugs. Local network of diffuse	500195	38	39.00	1.00	17.00
		discolouration. Silcified breccia at 57m to 58m.	500196	39	40.00	1.00	
			500197	40	41.00	1.00	
			500198	41	42.00	1.00	7.00
			500199	42	43.00	1.00	
			500200	43	44.00	1.00	
			500201	44	45.00	1.00	11.00
			500202	45	46.00	1.00	
			500203	46	47.00	1.00	
			500204	47	48.00	1.00	2.00
			500205	48	49.00	1.00	
			500206	49	50.00	1.00	
			500207	50	51.00	1.00	1.00
			500208	51	52.00	1.00	
			500209	52	53.00	1.00	
			500210	53	54.00	1.00	2.00
			500211	54	55.00	1.00	
			500212	55	56.00	1.00	
			500213	56	57.00	1.00	1.00
			500214	57	58.00	1.00	
			500215	58	59.00	1.00	
			500216	59	60.00	1.00	8.00
			500217	60	61.00	1.00	
			500218	61	62.00	1.00	
			500219	62	63.00	1.00	5.00
			500220	63	64.00	1.00	
			500221	64	65.00	1.00	
			500222	65	66.00	1.00	6.00
66.00	75.00	Microsyenite (Ki)					
		Colour: grey to green	500223	66	67.00	1.00	
		Grain Size: Aphanitic to Medium.	500224	67	68.00	1.00	
		Composition	500225	68	70.00	2.00	126.00
		Feldspar: 30 to 40%. 1mm to 3mm milky white anhedral	500226	70	71.00	1.00	
		Amphibole: 5 to 10%. .5mm to 3mm black to green	500227	71	72.00	1.00	

PHELPS DODGE CORPORATION OF CANADA, LIMITED

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DIAMOND DRILL LOG

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From(m)	To(m)	Description	SAMPLE	HOLE	FROM	TO	AU PPB
		Ground mass: grey glassy.	500228	72	73.00	1.00	18.00
		Alteration	500229	73	74.00	1.00	
		Clay: Strong. Local clay rich gouge and on fracture surfaces.	500230	74	75.00	1.00	36.00
		Mineralisation					
		Pyrite: 1 to 3%. Fine grained disseminated.					
75.00	82.00	Limestone (Lst)					
		Colour: mottled grey.	500231	75	76.00	1.00	
		Grain Size: Medium.	500232	76	77.00	1.00	
		Mineralisation	500233	77	78.00	1.00	47.00
		Fluorite: Trace. Disseminated and veinlets.	500234	78	79.00	1.00	
		Pyrite: 5cm of massive pyrite at upper contact with syenite.	500235	79	80.00	1.00	
			500236	80	81.00	1.00	26.00
			500237	81	82.00	1.00	
82.00	84.10	Microsyenite (Ki)					
		Colour: gr to grey	500238	82	84.10	2.10	7.00
		Grain Size: Aphanitic to Medium.					
		Fracturing: Broken (> 50)/m.					
		Alteration					
		Clay: Moderate. common on fractures					
		Mineralisation					
		Pyrite: Trace. Fine grained weakly disseminated					
		Magnetite: Trace. Fine grained disseminated					
84.10		END OF HOLE.					

PHELPS DODGE CORPORATION OF CANADA, LIMITED

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ASSAY LOG

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SAMPLE	HOLE	FROM	TO	-----Comment-----	AU PPB
500160	3	3.40	0.30		
500161	3	5.00	1.60		
500162	5	6.00	1.00		67.00
500163	6	7.00	1.00		
500164	7	8.00	1.00		
500165	8	9.00	1.00		4.00
500166	9	10.00	1.00		
500167	10	11.00	1.00		
500168	11	12.00	1.00		3.00
500169	12	13.00	1.00		
500170	13	14.00	1.00		
500171	14	15.00	1.00		6.00
500172	15	16.00	1.00		
500173	16	17.00	1.00		
500174	17	18.00	1.00		7.00
500175	18	19.00	1.00		
500176	19	20.00	1.00		
500177	20	21.00	1.00		5.00
500178	21	22.00	1.00		
500179	22	23.00	1.00		
500180	23	24.00	1.00		9.00
500181	24	25.00	1.00		
500182	25	26.00	1.00		
500183	26	27.00	1.00		7.00
500184	27	28.00	1.00		
500185	28	29.00	1.00		
500186	29	30.00	1.00		3.00
500187	30	31.00	1.00		
500188	31	32.00	1.00		
500189	32	33.30	1.30		2.00
500190	33	34.00	0.70		
500191	34	35.00	1.00		
500192	35	36.00	1.00		9.00
500193	36	37.00	1.00		
500194	37	38.00	1.00		
500195	38	39.00	1.00		17.00
500196	39	40.00	1.00		

PHELPS DODGE CORPORATION OF CANADA, LIMITED

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ASSAY LOG

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SAMPLE	HOLE	FROM	TO	-----Comment-----	AU PPB
500197	40	41.00	1.00		
500198	41	42.00	1.00		7.00
500199	42	43.00	1.00		
500200	43	44.00	1.00		
500201	44	45.00	1.00		11.00
500202	45	46.00	1.00		
500203	46	47.00	1.00		
500204	47	48.00	1.00		2.00
500205	48	49.00	1.00		
500206	49	50.00	1.00		
500207	50	51.00	1.00		1.00
500208	51	52.00	1.00		
500209	52	53.00	1.00		
500210	53	54.00	1.00		2.00
500211	54	55.00	1.00		
500212	55	56.00	1.00		
500213	56	57.00	1.00		1.00
500214	57	58.00	1.00		
500215	58	59.00	1.00		
500216	59	60.00	1.00		8.00
500217	60	61.00	1.00		
500218	61	62.00	1.00		
500219	62	63.00	1.00		5.00
500220	63	64.00	1.00		
500221	64	65.00	1.00		
500222	65	66.00	1.00		6.00
500223	66	67.00	1.00		
500224	67	68.00	1.00		
500225	68	70.00	2.00		126.00
500226	70	71.00	1.00		
500227	71	72.00	1.00		
500228	72	73.00	1.00		18.00
500229	73	74.00	1.00		
500230	74	75.00	1.00		36.00
500231	75	76.00	1.00		
500232	76	77.00	1.00		
500233	77	78.00	1.00		47.00

PHELPS DODGE CORPORATION OF CANADA, LIMITED

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ASSAY LOG

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SAMPLE	HOLE	FROM	TO	-----Comment-----	AU PPB
500234	78	79.00	1.00		
500235	79	80.00	1.00		
500236	80	81.00	1.00		26.00
500237	81	82.00	1.00		
500238	82	84.10	2.10		7.00

PHELPS DODGE CORPORATION OF CANADA, LIMITED
DIAMOND DRILL LOG

190-4

12-07-1994 :: 15:22

PROPERTY	: Twenty-Nine Mile	PROJECT #	: 190		
NTS MAP #	: 82G/2E	TOWNSHIP	: Fort Steele Mining Division	CLAIM #	: Grid K, Flathead Claims
LINE/STATION:	99+05E / 99+80N	EASTINGS/NORTHINGS:		ELEVATION	: 17200.00 m
LENGTH	: 87.50 m	INCLINATION	: -60.0 degrees	AZIMUTH	: 180.0 degrees
OVERBURDEN	: 6.10 m	CASING	: 6.1m		
LOGGED BY	: Greg Kulla	DRILLED BY	: Kootenay Exploration Drilling	ASSAYING BY	: Acme Analytical Laboratories
DATE LOGGED	: 1994/08/16	DATE DRILLED	: 1994/08/13 to 1994/08/16	CORE LOCATION:	on site

PHELPS DODGE CORPORATION OF CANADA, LIMITED

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SUMMARY LOG

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From(m)	To(m)	Field Name (Legend)
---------	-------	---------------------

0.00	6.10	Overburden (OB) Casing
------	------	---------------------------

6.10	69.00	Limestone (Lst)
------	-------	-----------------

69.00	78.00	Silicified Limestone (Slst)
-------	-------	-----------------------------

78.00	87.40	Limestone (Lst)
-------	-------	-----------------

Light grey bleached. Weak disseminate/veinlet fluorite. Locally silicified. Fine grained disseminated pyrite.

87.40		END OF HOLE.
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PHELPS DODGE CORPORATION OF CANADA, LIMITED

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DIAMOND DRILL LOG

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From(m)	To(m)	Description	SAMPLE	HOLE	FROM	TO	AU PPB
0.00	6.10	Overburden (OB)					
6.10	69.00	Limestone (Lst)					
		Colour: magnetite grey to buff white.	500239	6	7.00	0.90	
		Grain Size: Fine to Medium.	500240	7	8.00	1.00	
		Sub-Intervals	500241	8	9.00	1.00	273.00
		<6.10>-<8.00>: Grey fine grained brecciated limonitic. White mottled calcsilicate/hornfelsed altered.	500242	9	10.00	1.00	
			500243	10	11.00	1.00	
		<8.00>-<15.80>: Mottled wispy dark grey medium grained locally brecciated. Minor intrusive and breccia/gouge at 12m to 12.3m. Bedding approximately 60 degrees to core axis.	500244	11	12.00	1.00	55.00
			500245	12	13.00	1.00	
			500246	13	14.00	1.00	
		<15.80>-<29.00>: Mottled white to buff fine grained limonitic fractured. Locally weakly silicified or recrystalized. Minor malachite at 16m to 17m. 25cm massive magnetite at 24m to 25m.	500247	14	15.80	1.80	15.00
			500248	16	17.00	1.20	
			500249	17	18.00	1.00	
		<29.00>-<38.70>: Grey to buff medium grained thin bedded 45 to 50 degrees to core axis. Vuggy limonitic locally silicified. Locally bioturbated. Network of limonitic hairline fractures with minor green clay. Fault at 38.7m	500250	18	19.00	1.00	5.00
			500251	19	20.00	1.00	
			500252	20	21.00	1.00	
			500253	21	22.00	1.00	5.00
		<38.70>-<46.00>: Grey to light grey wispy fine grained. Brecciated limonitic. Carbonaceous gouge at 41.5m	500254	22	23.00	1.00	
			500255	23	24.00	1.00	
		<46.00>-<60.00>: Mottled grey and bleached white medium grained bioturbated stylolitic. Limonitic fractured minor offsets. Local breccia. Dolomitic limonitic gouge and breccia at 59 to 59.5m (fault)	500256	24	25.00	1.00	15.00
			500257	25	26.00	1.00	
			500258	26	27.00	1.00	
		<60.00>-<63.00>: Mottled grey and white fine grained stylolitic. Locally bleached discolouration. Wispy laminated 70 degrees to core axis. Rounded pebble like fragments at 62 to 63m.	500259	27	28.00	1.00	4.00
			500260	28	29.00	1.00	
			500261	29	30.00	1.00	
		<63.00>-<69.00>: Mottled grey and limonitic orange medium grained clastic. Limonitic, fractured calcite veins to 2mm. Local breccia. Clay gouge at 64m.	500262	30	31.00	1.00	11.00
			500263	31	32.00	1.00	
			500264	32	33.00	1.00	
			500265	33	34.00	1.00	7.00
			500266	34	35.00	1.00	
			500267	35	36.00	1.00	
			500268	36	37.00	1.00	12.00
			500269	37	38.00	1.00	
			500270	38	38.70	0.70	
			500271	39	41.00	2.30	1.00

PHELPS DODGE CORPORATION OF CANADA, LIMITED

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DIAMOND DRILL LOG

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From(m)	To(m)	Description	SAMPLE	HOLE	FROM	TO	AU PPB
			500272	41	42.00	1.00	
			500273	42	43.00	1.00	
			500274	43	44.00	1.00	5.00
			500275	44	45.00	1.00	
			500276	45	46.00	1.00	
			500277	46	47.00	1.00	1.00
			500278	47	48.00	1.00	
			500279	48	49.00	1.00	
			500280	49	50.00	1.00	7.00
			500281	50	51.00	1.00	
			500282	51	52.00	1.00	
			500283	52	53.00	1.00	5.00
			500284	53	54.00	1.00	
			500285	54	55.00	1.00	
			500286	55	56.00	1.00	4.00
			500287	56	57.00	1.00	
			500288	57	58.00	1.00	
			500289	58	59.00	1.00	1.00
			500290	59	60.00	1.00	
			500291	60	61.00	1.00	
			500292	61	62.00	1.00	3.00
			500293	62	63.00	1.00	
			500294	63	64.00	1.00	
			500295	64	65.00	1.00	6.00
			500296	65	66.00	1.00	
			500297	66	67.00	1.00	4.00
			500298	67	68.00	1.00	
			500299	68	69.00	1.00	3.00
69.00	78.00	Silicified Limestone (Slst)					
		Colour: grey .	500300	69	70.00	1.00	
		Grain Size: Fine to Medium.	500301	70	71.00	1.00	
		Alteration	500302	71	72.00	1.00	10.00
		Silicification: Moderate to Strong. Pervasive. Moderately calcareous	500303	72	73.00	1.00	
		Chlorite: Trace. Chloritic pyritic fractures.	500304	73	74.00	1.00	
		Limonite: Weak. Limonitic calcite veinlets.	500305	74	75.00	1.00	5.00
		Mineralisation	500306	75	76.00	1.00	

PHELPS DODGE CORPORATION OF CANADA, LIMITED

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DIAMOND DRILL LOG

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From(m)	To(m)	Description	SAMPLE	HOLE	FROM	TO	AU PPB
		Pyrite: Trace. Weakly disseminated fine grained	500307	76	77.00	1.00	
			500308	77	78.00	1.00	9.00
78.00	87.40	Limestone (Lst)					
		Alteration	500309	78	79.00	1.00	
		Bleached: Moderate. Abundant black hairline fractures.	500310	79	80.00	1.00	
		Silica: Weak. Local mottled pervasive.	500311	80	81.00	1.00	6.00
		Mineralisation	500312	81	82.00	1.00	
		Fluorite: Trace. Disseminated and veinlets.	500313	82	83.00	1.00	
		Pyrite: Trace. Fine grained disseminated. Local veinlets.	500314	83	84.40	1.40	5.00
		Sub-Intervals	500315	84	86.00	1.60	
		<78.00>-<78.30>: Silicified with black matrix breccia.	500316	86	87.50	1.50	7.00
		<84.40>-<87.50>: Buff to white fine grained weakly limonitic locally vuggy. Minor colourless hexagonal porphyroblast. Weak disseminated fluorite. Brecciated at 84.4m.					
87.40		END OF HOLE.					

PHELPS DODGE CORPORATION OF CANADA, LIMITED

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ASSAY LOG

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SAMPLE	HOLE	FROM	TO	-----Comment-----	AU PPB
500239	6	7.00	0.90		
500240	7	8.00	1.00		
500241	8	9.00	1.00		273.00
500242	9	10.00	1.00		
500243	10	11.00	1.00		
500244	11	12.00	1.00		55.00
500245	12	13.00	1.00		
500246	13	14.00	1.00		
500247	14	15.80	1.80		15.00
500248	16	17.00	1.20		
500249	17	18.00	1.00		
500250	18	19.00	1.00		5.00
500251	19	20.00	1.00		
500252	20	21.00	1.00		
500253	21	22.00	1.00		5.00
500254	22	23.00	1.00		
500255	23	24.00	1.00		
500256	24	25.00	1.00		15.00
500257	25	26.00	1.00		
500258	26	27.00	1.00		
500259	27	28.00	1.00		4.00
500260	28	29.00	1.00		
500261	29	30.00	1.00		
500262	30	31.00	1.00		11.00
500263	31	32.00	1.00		
500264	32	33.00	1.00		
500265	33	34.00	1.00		7.00
500266	34	35.00	1.00		
500267	35	36.00	1.00		
500268	36	37.00	1.00		12.00
500269	37	38.00	1.00		
500270	38	38.70	0.70		
500271	39	41.00	2.30		1.00
500272	41	42.00	1.00		
500273	42	43.00	1.00		
500274	43	44.00	1.00		5.00
500275	44	45.00	1.00		

PHELPS DODGE CORPORATION OF CANADA, LIMITED
 ASSAY LOG

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SAMPLE	HOLE	FROM	TO	-----Comment-----	AU PPB
500276	45	46.00	1.00		
500277	46	47.00	1.00		1.00
500278	47	48.00	1.00		
500279	48	49.00	1.00		
500280	49	50.00	1.00		7.00
500281	50	51.00	1.00		
500282	51	52.00	1.00		
500283	52	53.00	1.00		5.00
500284	53	54.00	1.00		
500285	54	55.00	1.00		
500286	55	56.00	1.00		4.00
500287	56	57.00	1.00		
500288	57	58.00	1.00		
500289	58	59.00	1.00		1.00
500290	59	60.00	1.00		
500291	60	61.00	1.00		
500292	61	62.00	1.00		3.00
500293	62	63.00	1.00		
500294	63	64.00	1.00		
500295	64	65.00	1.00		6.00
500296	65	66.00	1.00		
500297	66	67.00	1.00		4.00
500298	67	68.00	1.00		
500299	68	69.00	1.00		3.00
500300	69	70.00	1.00		
500301	70	71.00	1.00		
500302	71	72.00	1.00		10.00
500303	72	73.00	1.00		
500304	73	74.00	1.00		
500305	74	75.00	1.00		5.00
500306	75	76.00	1.00		
500307	76	77.00	1.00		
500308	77	78.00	1.00		9.00
500309	78	79.00	1.00		
500310	79	80.00	1.00		
500311	80	81.00	1.00		6.00
500312	81	82.00	1.00		

PHELPS DODGE CORPORATION OF CANADA, LIMITED

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ASSAY LOG

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SAMPLE	HOLE	FROM	TO	-----Comment-----	AU PPB
500313	82	83.00	1.00		
500314	83	84.40	1.40		5.00
500315	84	86.00	1.60		
500316	86	87.50	1.50		7.00

APPENDIX II

Geochemical Analysis and Lab Procedures

Gold analysis by FA/ICP from 20 gram sample. ICP = .500 gram sample is digested with 3 ml 3-1-2 HCL-HNO₃-H₂O at 95° Celsius for one hour and is diluted to 10 ml with water. This leach is partial for Mn, Fe, Sr, Ca, P, La, Cr, Mg, Ba, Ti, B W and limited for Na, K and Al. Au detection by ICP is 3 ppm. Sample type = core.



GEOCHEM PRECIOUS METALS ANALYSIS



Phelps Dodge Corp. PROJECT 190 File # 94-2724 Page 4

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

SAMPLE#	Au** ppb
500001	16
500002/500003/500004	6
500005/500006/500007	9
500008/500009/500010	7
500011/500012/500013	4
500014/500015/500016	15
500017/500018/500019	8
500020/500021/500022	4
500023/500024/500025	5
500026/500027	4
500028/500029/500030	3
500031/500032	3
500033/500034	4
500035/500036/500037	6
500038/500039/500040	6
500041/500042/500043	3
500044/500045/500046	9
RE 500044/500045/500046	10
500047/500048/500049	5
500050/500051/500052	7
500053/500054/500055	5
500056/500057/500058	7
500059/500060/500061	2
500062/500063/500064	2
500065/500066/500067	1
500068/500069/500070	5
500071/500072/500073	13
500074/500075/500076	11
500077/500078	9
500079/500080/500081	5
500082/500083/500084	6
500085/500086	8
500087/500088	9
STANDARD AU-R	464

20 GRAM SAMPLE FIRE ASSAY AND ANALYSIS BY ICP/GRAPHITE FURNACE.

- SAMPLE TYPE: P1 TO P3 CORE P4 COMPOSITE

Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: AUG 11 1994

DATE REPORT MAILED:

Aug 21/94

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



GEOCHEM PRECIOUS METALS ANALYSIS



Phelps Dodge Corp. PROJECT 190 File # 94-2756 Page 5

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

SAMPLE#	Au** ppb
500089	39
500090	5
500091	38
500092/500093/500094	9
500095/500096/500097	197
500098/500099/500100	82
500101/500102	89
500103/500104	61
500105/500106/500107	2
500108/500109/500110	7
500111/500112/500113	5
500114/500115/500116	19
500117/500118/500119	4
RE 500117/500118/500119	1
500120/500121/500122	2
500123/500124/500125	4
500126/500127/500128	3
500129/500130/500131	<1
500132/500133/500134	<1
500135/500136/500137	4
500138/500139/500140	5
500141/500142/500143	13
500144/500145/500146	14
500147/500148/500149	1
500150/500151	4
500152/500153	1
500154/500155/500156	6
500157/500158/500159	16
500160/500161/500162	67
500163/500164/500165	4
500166/500167/500168	3
500169/500170/500171	6
500172/500173/500174	7
500175/500176/500177	5
500178/500179/500180	9
STANDARD AU-R	490

20 GRAM SAMPLE FIRE ASSAY AND ANALYSIS BY ICP/GRAPHITE FURNACE.

- SAMPLE TYPE: P1 TO P4 CORE P5 TO P6 COMPOSITE

Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: AUG 19 1994

DATE REPORT MAILED: Aug 29/94

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



SAMPLE#	Au** ppb
500181/500182/500183	7
500184/500185/500186	3
500187/500188/500189	2
500190/500191/500192	9
RE 500190/500191/500192	12
500193/500194/500195	17
500196/500197/500198	7
500199/500200/500201	11
500202/500203/500204	2
500205/500206/500207	1
500208/500209/500210	2
500211/500212/500213	<1
500214/500215/500216	8
500217/500218/500219	5
STANDARD AU-R	474

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



GEOCHEM PRECIOUS METALS ANALYSIS



Phelps Dodge Corp. PROJECT 190 File # 94-2823 Page 4

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

SAMPLE#	Au** ppb
500220/500221/500222	6
500223/500224/500225	126
500226/500227/500228	18
500229/500230	36
500231/500232/500233	47
500234/500235/500236	26
500237/500238	7
500239/500240/500241	273
500242/500243/500244	55
500245/500246/500247	15
500248/500249/500250	5
500251/500252/500253	5
500254/500255/500256	15
500257/500258/500259	4
500260/500261/500262	11
500263/500264/500265	7
500266/500267/500268	12
500269/500270/500271	1
500272/500273/500274	5
500275/500276/500277	1
RE 500275/500276/500277	1
500278/500279/500280	7
500281/500282/500283	5
500284/500285/500286	4
500287/500288/500289	<1
500290/500291/500292	3
500293/500294/500295	6
500296/500297	4
500298/500299	3
500300/500301/500302	10
500303/500304/500305	5
500306/500307/500308	9
500309/500310/500311	6
500312/500313/500314	5
500315/500316	7
STANDARD AU-R	460

20 GRAM SAMPLE FIRE ASSAY AND ANALYSIS BY ICP/GRAPHITE FURNACE.

- SAMPLE TYPE: P1 TO P3 CORE P4 COMPOSITE

Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: AUG 24 1994

DATE REPORT MAILED: Aug 30/94

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Phelps Dodge Corp. PROJECT 190 File # 94-3619 Page 1

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

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au**	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb	
36586	7	7	14	58	.1	6	7	701	3.59	3	<5	<2	6	89	<.2	2	<2	95	1.10	.121	45	9	.62	132	.12	3	1.70	.04	.07	2	2	
36592	1	12	8	30	.6	20	7	269	.98	7	<5	<2	2	1550	.2	<2	<2	9	14.28	.027	12	10	12.75	40	<.01	12	.60	.02	.27	2	10	
36593	14	68	<2	76	.3	5	3	775	1.52	14	<5	<2	<2	186	<.2	<2	<2	11	33.15	.003	2	1	9.49	21	<.01	59	.16	.01	.01	4	33	
37972	3	5	4	8	.1	7	<1	91	.31	5	<5	<2	<2	6	<.2	2	<2	3	.20	.006	<2	9	.05	18	<.01	<2	.05	.01	.01	2	10	
37980	2	6	5	85	<.1	6	4	704	3.01	3	<5	<2	3	67	<.2	2	<2	56	1.07	.081	22	9	.60	207	.16	8	1.33	.05	.13	1	6	
37982	4	8	14	15	<.1	23	1	201	.50	5	<5	<2	<2	23	<.2	3	<2	14	.81	.249	40	35	.25	35	<.01	2	.20	.01	.04	3	<1	
37998	8	8	19	64	.2	34	1	318	.78	49	12	<2	<2	53	.2	4	<2	67	3.95	1.513	61	153	.53	46	<.01	10	.35	.01	.08	3	4	
37999																																
38000																																
RE 38000																																
40400																																
40496																																
40497																																
STANDARD C/AU-R	21	63	37	133	7.3	69	32	1078	4.09	42	17	7	38	52	18.8	14	22	61	.51	.094	41	61	.92	189	.09	34	1.94	.06	.16	13	469	

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
 ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
 - SAMPLE TYPE: P1 ROCK P2 TO P3 SOIL AU** ANALYSIS BY FA/ICP FROM 10 GM SAMPLE.
 Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: OCT 11 1994 DATE REPORT MAILED: Oct 18/94 SIGNED BY: C. Leong D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
36573	1	10	16	86	.1	7	8	485	4.15	4	<5	<2	2	149	<.2	<2	<2	72	.76	.091	20	10	1.02	91	.04	<2	4.11	.01	.03	1	2
36574	1	11	26	87	<.1	8	8	997	4.15	5	<5	<2	2	215	<.2	<2	<2	81	.99	.084	36	13	1.07	76	.04	2	3.86	.01	.06	<1	6
36575	1	9	21	74	<.1	8	8	939	4.26	2	<5	<2	2	238	<.2	<2	<2	82	1.38	.085	43	11	1.38	65	.03	2	3.60	.01	.06	<1	2
36576	1	6	27	75	<.1	6	8	1079	4.08	4	<5	<2	3	264	<.2	<2	<2	73	1.54	.084	40	12	1.56	83	.02	<2	3.56	.01	.04	2	2
36577	<1	4	24	77	.1	6	7	1096	3.85	<2	<5	<2	2	265	.2	<2	<2	67	1.72	.085	41	12	1.73	72	.02	<2	3.88	.01	.05	<1	1
36578	1	7	25	72	<.1	5	8	1432	3.72	<2	<5	<2	3	222	<.2	<2	<2	66	1.63	.091	37	9	1.54	78	.02	<2	3.19	.01	.07	2	2
36579	<1	8	22	74	<.1	6	8	1352	3.78	2	<5	<2	2	233	<.2	<2	<2	67	1.77	.086	39	10	1.66	79	.02	<2	3.71	.01	.06	<1	12
36580	1	10	21	87	<.1	6	6	467	4.35	2	<5	<2	5	64	<.2	<2	<2	78	.29	.139	20	11	1.05	38	.04	<2	5.03	.01	.03	1	2
36581	1	12	30	89	<.1	7	10	1034	4.34	3	<5	<2	3	108	<.2	<2	<2	83	.43	.131	37	12	1.09	79	.06	<2	4.39	.01	.03	<1	2
36582	1	14	26	79	<.1	7	9	1320	4.13	<2	<5	<2	3	166	<.2	<2	<2	77	.64	.122	55	12	1.23	126	.04	<2	4.00	.01	.04	1	1
36583	1	6	19	74	<.1	6	8	1246	3.89	2	<5	<2	3	273	<.2	<2	<2	72	1.32	.100	50	12	1.41	82	.03	<2	3.59	.01	.05	1	1
36584	2	2	8	40	.3	15	3	112	.44	3	<5	<2	5	95	.2	<2	<2	9	15.80	.029	7	11	12.47	9	<.01	6	.36	.01	.09	4	3
36585	5	21	60	421	.9	35	8	1907	3.38	27	<5	<2	3	73	1.4	2	<2	53	1.88	.350	58	35	1.05	54	.02	4	1.62	.01	.16	<1	21
36587	1	17	13	91	.2	14	8	741	3.60	2	<5	<2	<2	89	<.2	<2	<2	58	.66	.113	28	14	.90	89	.07	2	4.74	.02	.04	<1	3
36588	1	8	9	27	.3	21	5	267	.88	3	<5	<2	6	52	<.2	<2	<2	10	14.50	.038	16	6	17.36	12	<.01	4	.79	.02	.08	2	1
36589	1	9	12	43	.2	20	6	349	1.60	6	<5	<2	7	55	<.2	<2	<2	22	9.62	.053	19	8	9.55	23	.02	2	1.32	.01	.09	2	2
36590	1	6	6	63	.1	27	4	109	.93	6	6	<2	7	128	.2	<2	<2	16	14.90	.034	11	17	6.99	18	<.01	10	.80	.01	.38	4	3
36591	2	19	7	46	.4	20	5	254	1.25	5	<5	<2	7	80	.2	<2	<2	17	12.67	.044	16	9	9.54	19	.01	4	.96	.01	.16	4	72
37973	7	12	45	162	<.1	22	5	4688	2.11	26	<5	<2	<2	15	.6	2	<2	45	.35	.113	15	36	.78	158	.04	5	1.55	.01	.08	1	2
37974	1	17	16	104	<.1	12	6	623	3.58	<2	<5	<2	3	35	<.2	3	<2	64	.13	.099	15	14	.35	74	.12	3	4.00	.02	.07	<1	3
RE 37974	2	19	19	102	<.1	11	6	617	3.55	4	<5	<2	4	34	<.2	<2	<2	63	.12	.097	14	15	.34	73	.12	3	3.94	.02	.06	<1	2
37975	1	17	24	121	.2	15	6	1125	3.03	6	<5	<2	2	57	<.2	4	<2	51	.12	.105	10	18	.33	80	.10	3	3.21	.01	.09	<1	2
37976	1	18	30	143	<.1	18	7	1639	3.19	6	<5	<2	2	34	<.2	4	<2	56	.15	.102	12	17	.34	67	.09	3	3.81	.01	.09	<1	1
37977	1	17	24	111	.1	18	7	929	3.09	6	<5	<2	3	71	<.2	<2	<2	50	.13	.052	11	17	.29	85	.10	3	4.25	.01	.07	1	1
37978	1	17	19	108	.1	21	6	399	2.76	3	<5	<2	4	20	<.2	5	<2	56	.14	.095	13	18	.36	61	.10	2	4.47	.01	.08	<1	2
37979	2	15	16	138	.3	32	5	419	2.75	5	<5	<2	<2	20	<.2	3	<2	50	.17	.121	12	18	.30	71	.06	4	3.17	.01	.10	1	1
37981	1	15	25	86	<.1	13	7	403	2.64	4	<5	<2	5	31	<.2	<2	2	50	.14	.089	12	15	.32	66	.14	3	4.12	.02	.07	<1	1
37983	1	12	16	52	.2	10	3	67	2.07	7	<5	<2	4	5	<.2	7	<2	30	.04	.082	6	15	.07	30	.06	3	3.09	.01	.04	<1	1
37984	1	11	18	74	.2	9	3	219	2.80	5	<5	<2	3	21	<.2	<2	<2	55	.14	.147	12	16	.34	47	.09	2	2.04	.01	.05	1	2
37985	5	13	27	133	<.1	17	5	507	2.86	18	<5	<2	<2	35	.2	4	<2	56	.20	.123	12	23	.36	80	.08	3	2.43	.01	.05	<1	2
37986	3	18	18	275	1.2	59	5	338	3.14	6	<5	<2	3	25	.3	<2	<2	96	.29	.263	14	67	1.54	91	.11	2	3.31	.01	.11	<1	1
37987	2	13	25	222	.2	38	7	1142	3.29	5	<5	<2	2	33	.2	3	<2	68	.31	.199	13	28	.89	117	.09	<2	3.71	.01	.09	<1	<1
37988	2	17	16	209	.1	34	6	661	2.49	3	<5	<2	2	26	.3	3	<2	60	.24	.081	15	30	2.00	85	.10	4	3.10	.01	.10	<1	1
37989	24	9	18	116	.1	17	3	247	2.46	22	<5	<2	<2	16	.3	4	<2	52	.13	.083	9	28	.22	55	.06	<2	1.81	.01	.04	1	<1
37990	1	11	19	157	.1	17	6	1752	2.61	7	<5	<2	<2	65	<.2	2	<2	55	.82	.072	23	25	.44	72	.06	<2	2.53	.01	.07	<1	1
STANDARD C/AU-S	20	60	43	128	6.8	73	31	1056	3.96	43	14	8	37	53	16.6	15	19	62	.50	.093	40	62	.94	183	.08	34	1.88	.06	.16	11	45

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.
 AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.



ACRE ANALYTICAL



ACRE ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
37991	1	10	16	274	.2	23	6	1134	2.59	10	<5	<2	<2	33	.6	<2	<2	46	.39	.095	23	19	.49	115	.05	3	2.77	.01	.13	<1	1
37992	1	9	9	154	.1	23	5	943	2.33	7	<5	<2	<2	22	.2	<2	2	42	.29	.057	22	18	.41	85	.04	4	2.42	.01	.09	<1	2
RE 37992	1	9	12	155	<.1	23	5	958	2.37	9	<5	<2	<2	22	.2	<2	<2	43	.30	.059	23	18	.41	87	.04	3	2.45	.01	.10	2	6
37993	1	9	15	93	<.1	12	6	451	3.61	9	<5	<2	5	43	<.2	<2	<2	66	.35	.085	19	13	.57	98	.11	2	3.92	.01	.08	<1	4
37994	2	12	14	100	<.1	13	5	416	3.09	8	<5	<2	3	25	<.2	<2	4	60	.18	.109	13	20	.67	57	.12	4	3.42	.01	.08	<1	2
37995	2	17	16	96	<.1	13	5	428	2.52	8	<5	<2	3	16	<.2	<2	3	45	.09	.119	12	19	.56	51	.12	3	4.01	.02	.08	<1	1
37996	4	13	23	153	.3	21	5	438	2.59	24	<5	<2	3	18	<.2	2	<2	49	.08	.105	11	27	.44	45	.03	4	2.43	.01	.09	<1	2
37997	2	14	18	60	.5	7	4	709	1.97	9	<5	<2	4	6	<.2	4	<2	35	.03	.079	10	14	.15	41	.08	3	2.73	.01	.05	<1	2
STANDARD C/AU-S	19	60	37	126	6.9	73	31	1060	3.96	44	17	6	36	52	19.0	14	18	61	.49	.092	40	60	.94	183	.08	34	1.88	.06	.16	14	46

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.
 AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

Sample	Property	Type	Remarks	Grid	North	East	Mo	Cu	Pb	Zn	Ag	Fe	As	Sb	Au	Hg
36586	FLATHEAD	GRAB	TEST PIT 190-2, 2M DEPTH	K			7	7	14	58	0.1	3.59	3	2	2.0	
36592	FLATHEAD	GRAB	TEST PIT 190-3, 6M DEPTH	K			1	12	8	30	0.6	0.98	7	2	10.0	
36593	FLATHEAD	GRAB	TEST PIT 190-3	K			14	68	2	76	0.3	1.52	14	2	33.0	
37972	FLATHEAD	GRAB	QUARTZITE WITH BLACK HAIRLINE FRACTU				3	5	4	8	0.1	0.31	5	2	10.0	
37980	FLATHEAD	GRAB	LIMONITIC MAGNETIC MICROSYPENITE				2	6	5	85	0.1	3.01	3	2	6.0	
37982	FLATHEAD	GRAB	VUGGY HARD SILICIFIED LIMESTONE.				4	8	14	15	0.1	0.50	5	3	1.0	
37998	FLATHEAD	GRAB	CHERT PEBBLE CONGLOMERATE				8	8	19	64	0.2	0.78	49	4	4.0	
7 GRAB SAMPLES																
36573	FLATHEAD	SOIL	TEST PIT 190-1, 20CM; AT DDH 190-6	K			1	10	16	86	0.1	4.15	4	2	2.0	
36574	FLATHEAD	SOIL	TEST PIT 190-1, 1M DEPTH	K			1	11	26	87	0.1	4.15	5	2	6.0	
36575	FLATHEAD	SOIL	TEST PIT 190-1, 2M DEPTH	K			1	9	21	74	0.1	4.26	2	2	2.0	
36576	FLATHEAD	SOIL	TEST PIT 190-1, 3M DEPTH	K			1	6	27	75	0.1	4.08	4	2	2.0	
36577	FLATHEAD	SOIL	TEST PIT 190-1, 4M DEPTH	K			1	4	24	77	0.1	3.85	2	2	1.0	
36578	FLATHEAD	SOIL	TEST PIT 190-1, 5M DEPTH	K			1	7	25	72	0.1	3.72	2	2	2.0	
36579	FLATHEAD	SOIL	TEST PIT 190-1, 6M DEPTH	K			1	8	22	74	0.1	3.78	2	2	12.0	
36580	FLATHEAD	SOIL	TEST PIT 190-2, 30 CM DEPTH	K			1	10	21	87	0.1	4.35	2	2	2.0	
36581	FLATHEAD	SOIL	TEST PIT 190-2, 1M DEPTH	K			1	12	30	89	0.1	4.34	3	2	2.0	
36582	FLATHEAD	SOIL	TEST PIT 190-2, 2M DEPTH	K			1	14	26	79	0.1	4.13	2	2	1.0	
36583	FLATHEAD	SOIL	TEST PIT 190-2, 3M DEPTH	K			1	6	19	74	0.1	3.89	2	2	1.0	
36584	FLATHEAD	SOIL	TEST PIT 190-2, 4M DEPTH	K			2	2	8	40	0.3	0.44	3	2	3.0	
36585	FLATHEAD	SOIL	TEST PIT 190-2, 5M DEPTH; CLAY	K			5	21	60	421	0.9	3.38	27	2	21.0	
36587	FLATHEAD	SOIL	TEST PIT 190-3, 40CM DEPTH;	K			1	17	13	91	0.2	3.60	2	2	3.0	
36588	FLATHEAD	SOIL	TEST PIT 190-3, 2M DEPTH	K			1	8	9	27	0.3	0.88	3	2	1.0	
36589	FLATHEAD	SOIL	TEST PIT 190-3, 3M DEPTH	K			1	9	12	43	0.2	1.60	6	2	2.0	
36590	FLATHEAD	SOIL	TEST PIT 190-3, 4M DEPTH; CLAY-RICH	K			1	6	6	63	0.1	0.93	6	2	3.0	
36591	FLATHEAD	SOIL	TEST PIT 190-3, 5M DEPTH	K			2	19	7	46	0.4	1.25	5	2	72.0	
37973	FLATHEAD	SOIL	FIRST CONTOUR SAMPLE 100M SPACING				7	12	45	162	0.1	2.11	26	2	2.0	
37974	FLATHEAD	SOIL	SECOND CONTOUR SAMPLE				1	17	16	104	0.1	3.58	2	3	3.0	
37975	FLATHEAD	SOIL	THIRD CONTOUR SAMPLE				1	17	24	121	0.2	3.03	6	4	2.0	
37976	FLATHEAD	SOIL	FOURTH CONTOUR SAMPLE				1	18	30	143	0.1	3.19	6	4	1.0	
37977	FLATHEAD	SOIL	FIFTH CONTOUR SAMPLE				1	17	24	111	0.1	3.09	6	2	1.0	
37978	FLATHEAD	SOIL	SIXTH CONTOUR SAMPLE				1	17	19	108	0.1	2.76	3	5	2.0	
37979	FLATHEAD	SOIL	SEVENTH CONTOUR SAMPLE				2	15	16	138	0.3	2.75	5	3	1.0	
37981	FLATHEAD	SOIL					1	15	25	86	0.1	2.64	4	2	1.0	
37997	FLATHEAD	SOIL		K	10800	9400	2	14	18	60	0.5	1.97	9	4	2.0	
37996	FLATHEAD	SOIL	QUARTZITE FLOAT	K	10850	9400	4	13	23	153	0.3	2.59	24	2	2.0	
37995	FLATHEAD	SOIL	SYENITE AND QUARTZITE	K	10900	9400	2	17	16	96	0.1	2.52	8	2	1.0	
37994	FLATHEAD	SOIL	QUARTZITE FLOAT	K	10950	9400	2	12	14	100	0.1	3.09	8	2	2.0	
37993	FLATHEAD	SOIL	SYENITE FLOAT CREEK AT 109+75N	K	11000	9400	1	9	15	93	0.1	3.61	9	2	4.0	
37989	FLATHEAD	SOIL	SYENITE AND LIMSTONE IN CREEK	K	11050	9400	24	9	18	116	0.1	2.46	22	4	1.0	
37990	FLATHEAD	SOIL	SYENITE FLOAT	K	11100	9400	1	11	19	157	0.1	2.61	7	2	1.0	
37991	FLATHEAD	SOIL	SYENITE FLOAT	K	11150	9400	1	10	16	274	0.2	2.59	10	2	1.0	
37992	FLATHEAD	SOIL	SYENITE/LIMESTONE CONTACT	K	11200	9400	1	9	9	154	0.1	2.33	7	2	2.0	

Sample	Property	Type	Remarks	Grid	North	East	Mo	Cu	Pb	Zn	Ag	Fe	As	Sb	Au	Hg
37983	FLATHEAD	SOIL	QUARTZITE RUBBLE	K	10750	9500	1	12	16	52	0.2	2.07	7	7	1.0	
37984	FLATHEAD	SOIL		K	10800	9500	1	11	18	74	0.2	2.80	5	2	2.0	
37985	FLATHEAD	SOIL		K	10850	9500	5	13	27	133	0.1	2.86	18	4	2.0	
37986	FLATHEAD	SOIL		K	10900	9500	3	18	18	275	1.2	3.14	6	2	1.0	
37987	FLATHEAD	SOIL	SYENITE FLOAT	K	10950	9500	2	13	25	222	0.2	3.29	5	3	1.0	
37988	FLATHEAD	SOIL	SYENITE FLOAT	K	11000	9500	2	17	16	209	0.1	2.49	3	3	1.0	

41 SOIL SAMPLES

48 SAMPLES

48 TOTAL SAMPLES

LEGEND

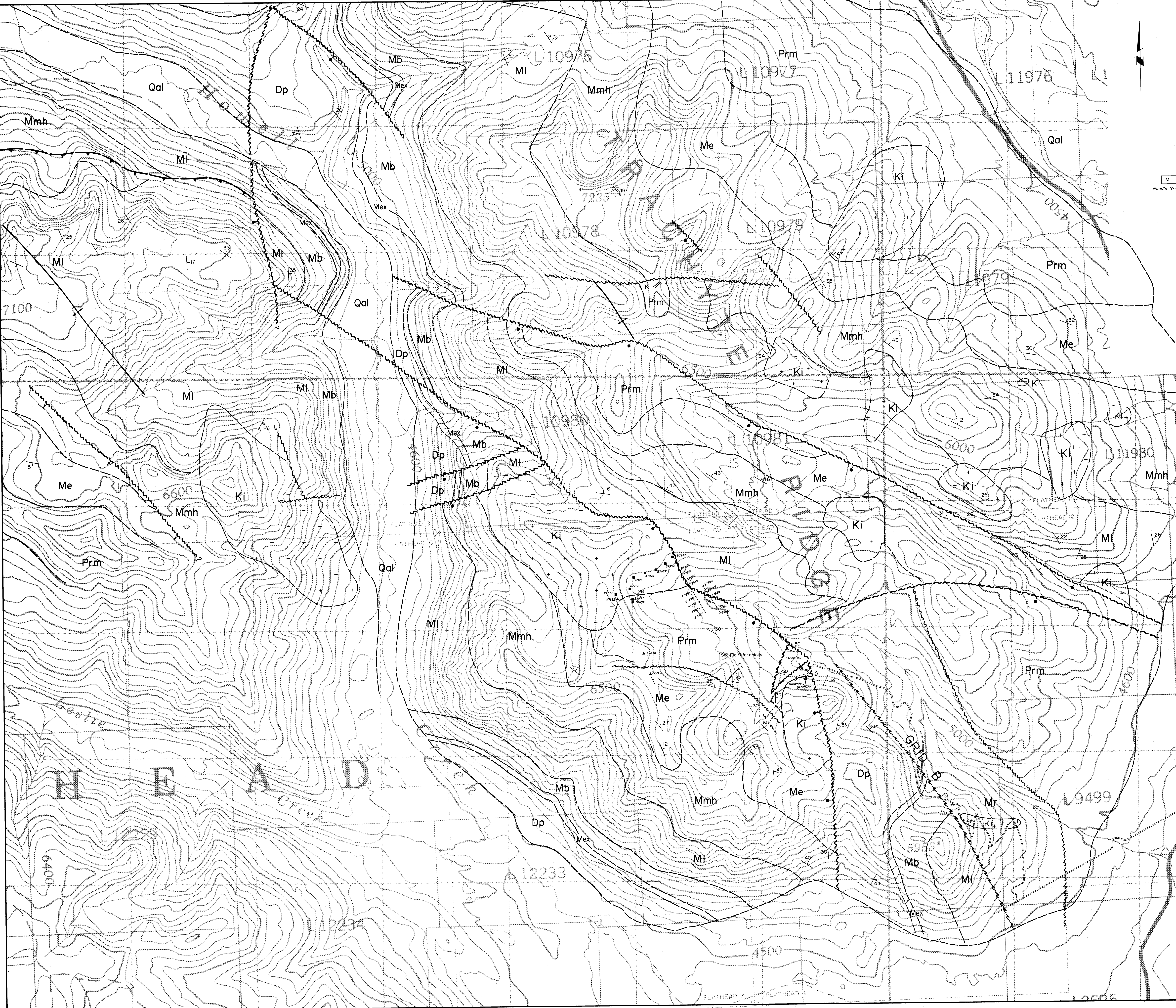
- QUATERNARY**
 Qal Modern alluvium
- TERTIARY**
 Tku Kishenehn Fm.; conglomerate
- CRETACEOUS**
 Ki Trachyte, syenite, intrusion breccia
- PERMO-PENNSYLVANIAN**
 Prm Rocky Mountain Group; quartzitic and dolomitic sandstone
- MISSISSIPPIAN**
 Me Etherington Fm.; thin bedded limestone, minor dolomite, green shale
 Mmh Mount Head Fm.; limestone, dolomite, locally carbonaceous
 Mi Livingston Fm.; coarse crystalline calcarenitic limestone
 Mb Banff Fm.; impure limestone, minor black shale
 Mex Esshaw Fm.; fissile black shale
- DEVONIAN**
 Dp Polisher Fm.; limestone, minor dolomite

SYMBOLS

- Road
 Geological contact
 Fault, circle indicates downthrow side
 Thrust fault
 Bedding
 Anticline
 Syncline

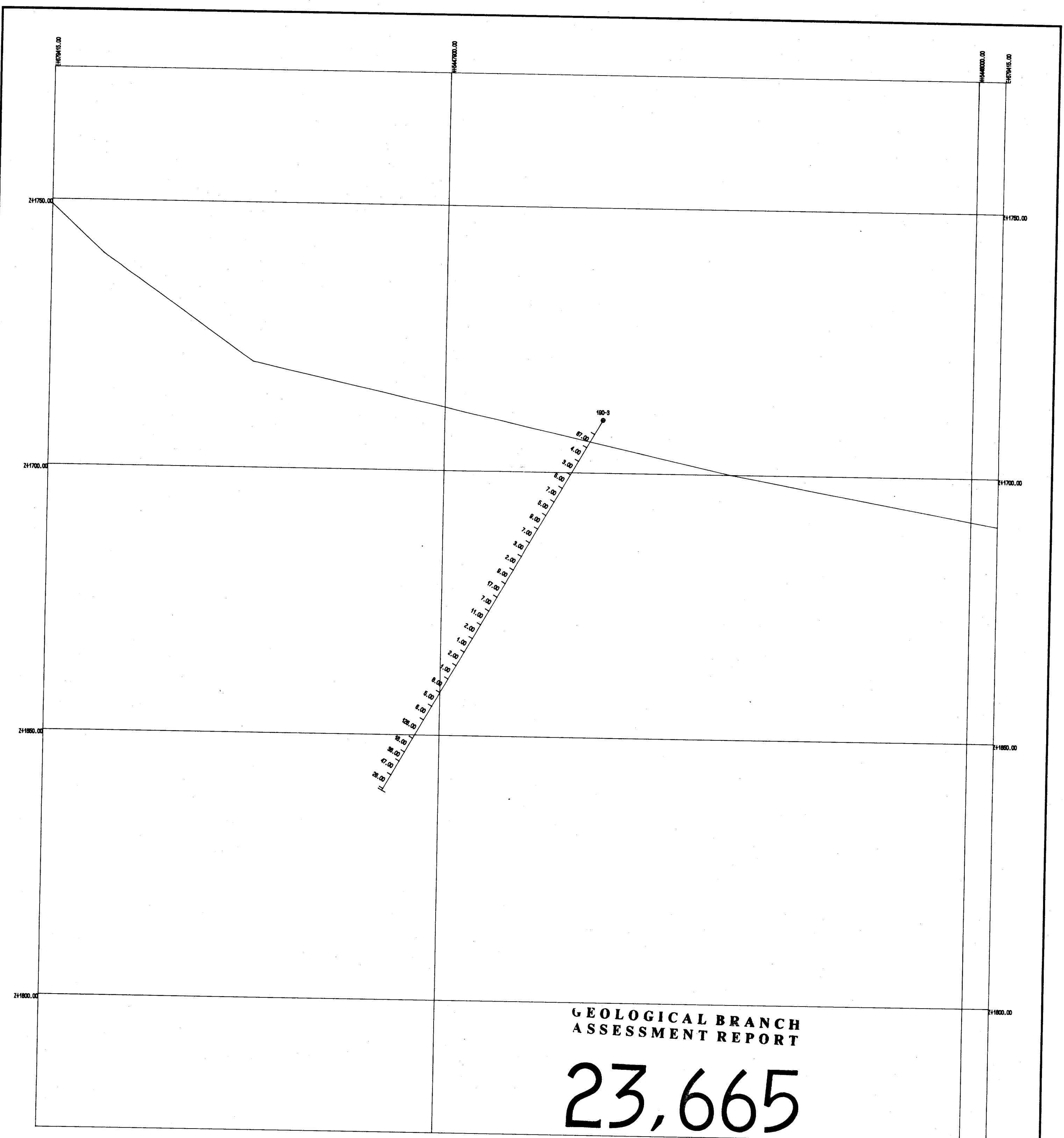
Geology by P.B. Jones, April 1964 and
 for Geological Consultants Ltd.

- Soil grid: sample location and number
 Other soil sample location and number
 Rock sample location and number
 Soil pit location, sample numbers



GEOLOGICAL BRANCH
 ASSESSMENT REPORT
23,665
 Scale 1:10,000
 0 100 200 300 400 500 700 metres

PHELPS DODGE CANADA LIMITED				
PROJECT NO 190		FLATHEAD CLAIMS, FORT STEELE M.D., B.C.		
FLATHEAD 1-12 CLAIMS				
GEOLOGY				
SCALE	DATE	FILE	N.T.S. No.	DWG No.
1:10,000	15 Dec 1988	190- BY: djp RC	82 G/2E	3



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

23,665

Vancouver Office
1409 - 409 Granville Street
Vancouver, BC
V6C 1T8

	DATE: 12/07/94	TIME: 15: 12: 27
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Fox Geological Consultants Ltd.

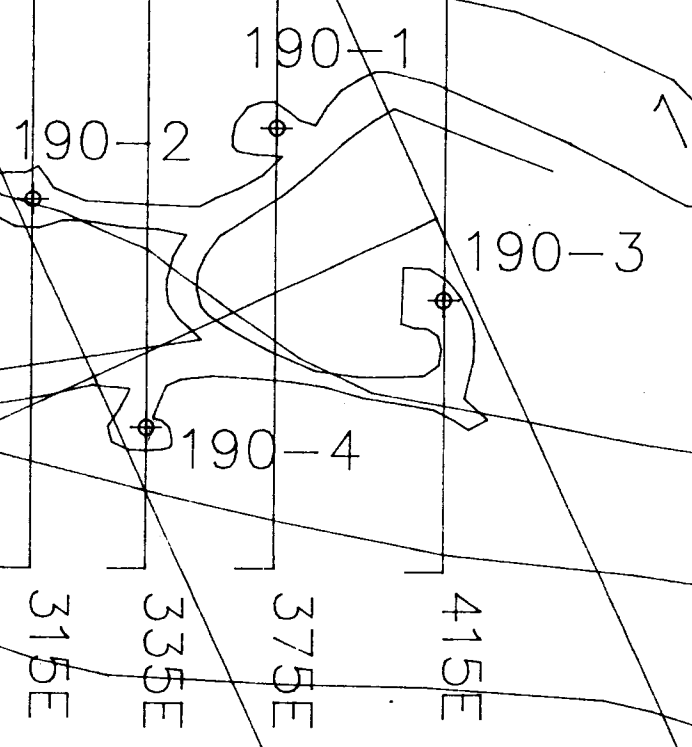
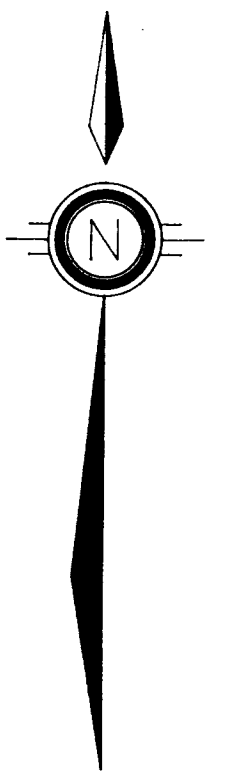
PHELPS DODGE CORPORATION of CANADA, LIMITED
PROJECT 190
FLATHEAD GRID K DRILL CROSS SECTION
415E

4d

SCALE (HORIZONTAL) 1: 500 SCALE (VERTICAL) 1: 500

FLATHEAD 5 FLATHEAD 6

GRID



100+00N

98+00E

99+00E

100+00E

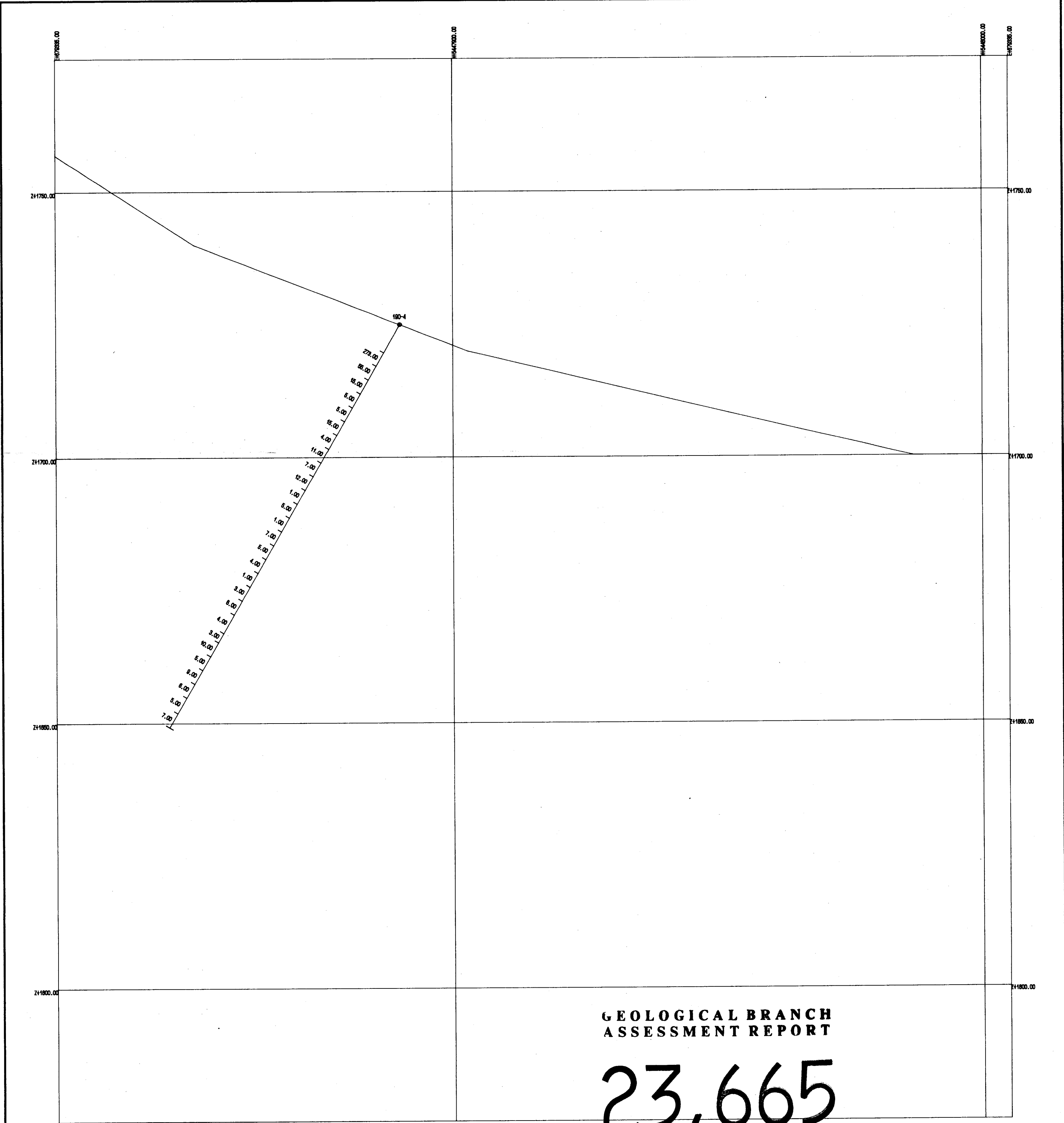
**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

23,665

PHELPS DODGE CORPORATION OF CANADA, LIMITED
PROJECT 190 FORT STEELE MINING DIVISION

FLATHEAD PROPERTY
GRID K
DRILL PLAN

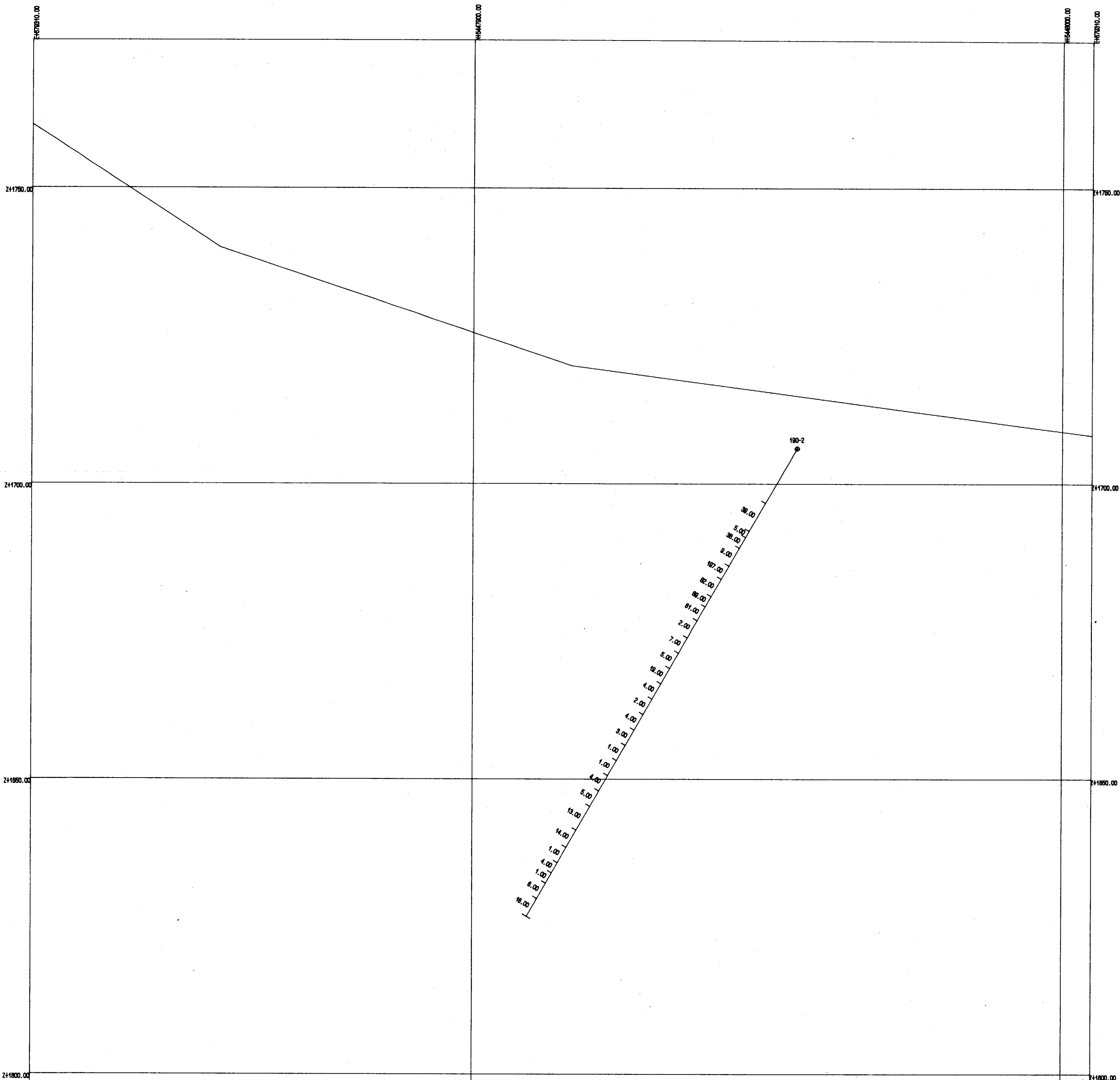
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1:2,000	11/15/94	190	82G2	5



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

23,665

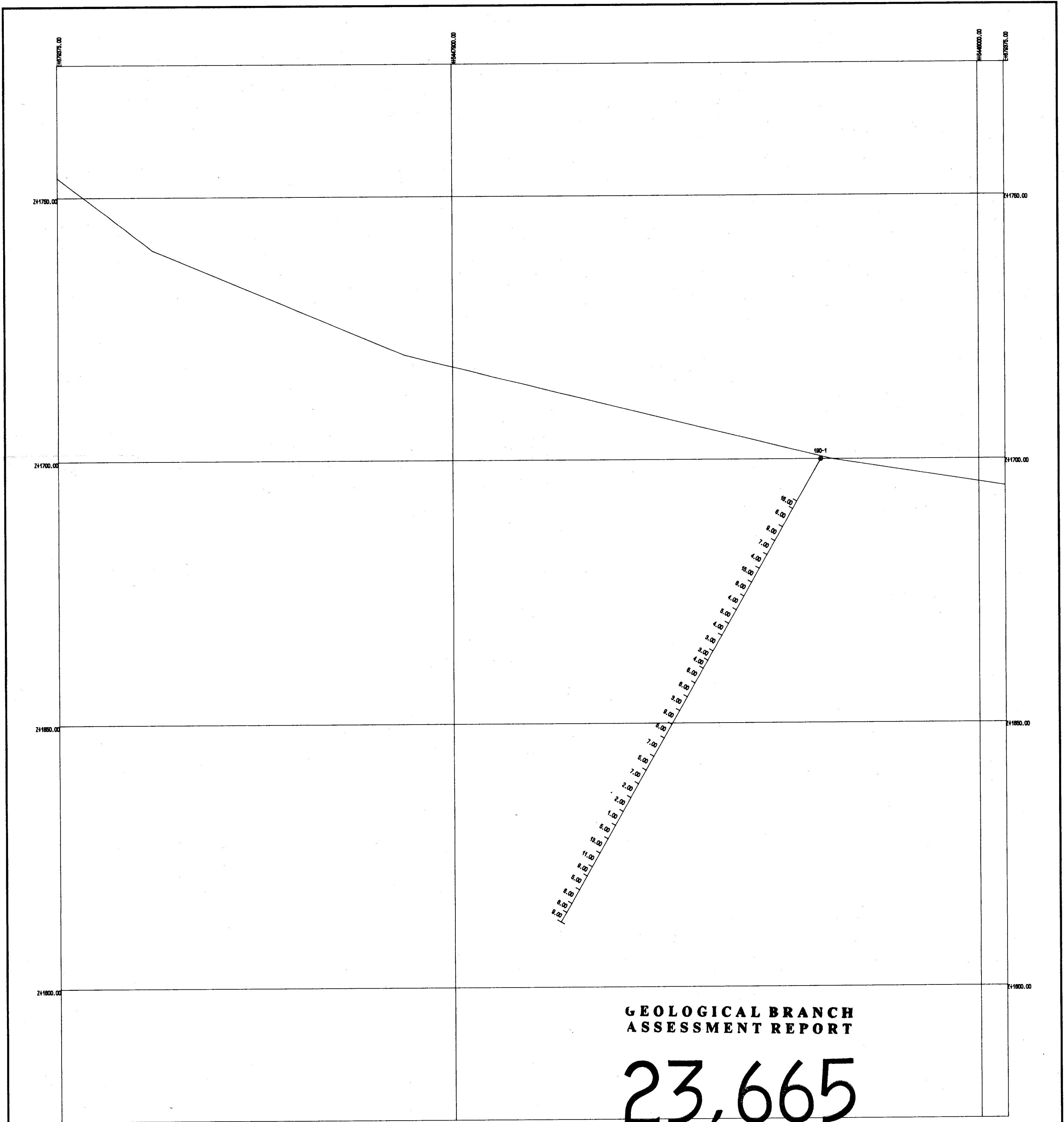
<p>Vancouver Office 1409 - 409 Granville Street Vancouver, BC V6C 1T8</p>		<p>Fox Geological Consultants Ltd.</p>	
		<p>PHELPS DODGE CORPORATION of CANADA, LIMITED</p> <p>PROJECT 190 FLATHEAD GRID K DRILL CROSS SECTION 335E</p>	
	DATE: 12/07/94	TIME: 15:02:06	<p>4b</p> <p>SCALE (HORIZONTAL) 1:500 SCALE (VERTICAL) 1:500</p>
1			
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**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

23,665

<p>Vancouver Office 1409 - 409 Granville Street Vancouver, BC V6C 1T8</p>		<p>Fox Geological Consultants Ltd.</p>	
		<p>PHELPS DODGE CORPORATION of CANADA, LIMITED</p> <p>PROJECT 190 FLATHEAD GRID K DRILL CROSS SECTION 310E</p>	
	DATE: 12/07/94	TIME: 14:56:32	<p>4a</p> <p>SCALE (HORIZONTAL) 1:500 SCALE (VERTICAL) 1:500</p>
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Vancouver, BC
V6C 1T8

DATE: 12/07/94 TIME: 15:07:15

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Fox Geological Consultants Ltd.

PHELPS DODGE CORPORATION of CANADA, LIMITED

PROJECT 190

FLATHEAD GRID K DRILL CROSS SECTION

375E

4c

SCALE (HORIZONTAL) 1: 500 SCALE (VERTICAL) 1: 500