

DIAMOND DRILL REPORT  
BIGFOOT PROPERTY  
NTS 92H/5W  
NEW WESTMINSTER MINING DIVISION

LATITUDE  $49^{\circ} 26' N$   
LONGITUDE  $121^{\circ} 51' W$

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**12,213**

OWNER:

LORNEX MINING CORPORATION LTD  
P O Box 10335  
1650, 609 Granville Street  
Vancouver B C  
V7Y 1G5

M L Serack  
May 5 1984

## TABLE OF CONTENTS

	<u>Page No:</u>
SUMMARY	1
LOCATION AND ACCESS	2
CLAIMS	2
HISTORY	5
GENERAL GEOLOGY	5
ALTERATION	10
STRUCTURE	10
MINERALIZATION	11
GEOLOGICAL HISTORY	11
COST STATEMENT	13
APPENDIX I - Diamond Drill Logs	
APPENDIX II - Analytical Results	
APPENDIX III - Petrographic Report	

## LIST OF ILLUSTRATIONS

FIGURE 1	: Location Map	3
FIGURE 2	: Claim Map	4
FIGURE 84-3	: Geochemical Compilation and Drill Hole Location Map	(in pocket)
FIGURE 84-4	: Structural Cross Sections A-A', B-B', C-C'	(in pocket)
FIGURE 84-5	: Structural Cross Sections D-D', E-E', F-F	(in pocket)
FIGURE 84-6	: Structural Cross Section G-G	(in pocket)

## SUMMARY

Between February 6 and April 17 1984, Lornex Mining Corporation Ltd conducted a 927 metre programme of NQ diamond drilling. The core was logged at the site and then transported to Chemex Labs in North Vancouver where it was split, analysed and stored.

Drill results show the geology of the property to be a typical andesitic volcanic arc assemblage with multiple centres and phases of eruption. The units are highly fractured and show soft sediment deformation features in the more sedimentary phases. Leached fossil forms and burrows found in the mudstone units show evidence of a backwater marine environment.

Subsequent to deposition, a presumed hot spring environment developed, resulting in alteration overprinting and leaching of the host rocks. Epidote + quartz-pyrite filled in vugs left by the leaching. At a later stage, sphalerite + chalcopyrite + galena + pyrite filled open spaces.

Economic mineralization occurs as narrow fracture fillings and vug replacements over short intervals. In the holes where it was observed, it remained reasonably consistent, (i.e. Sections A - C) and cross cut lithological types indicating a structural rather than host rock control for the mineralization.

The source of geochemical and geophysical anomalies was not explained by this drilling programme.

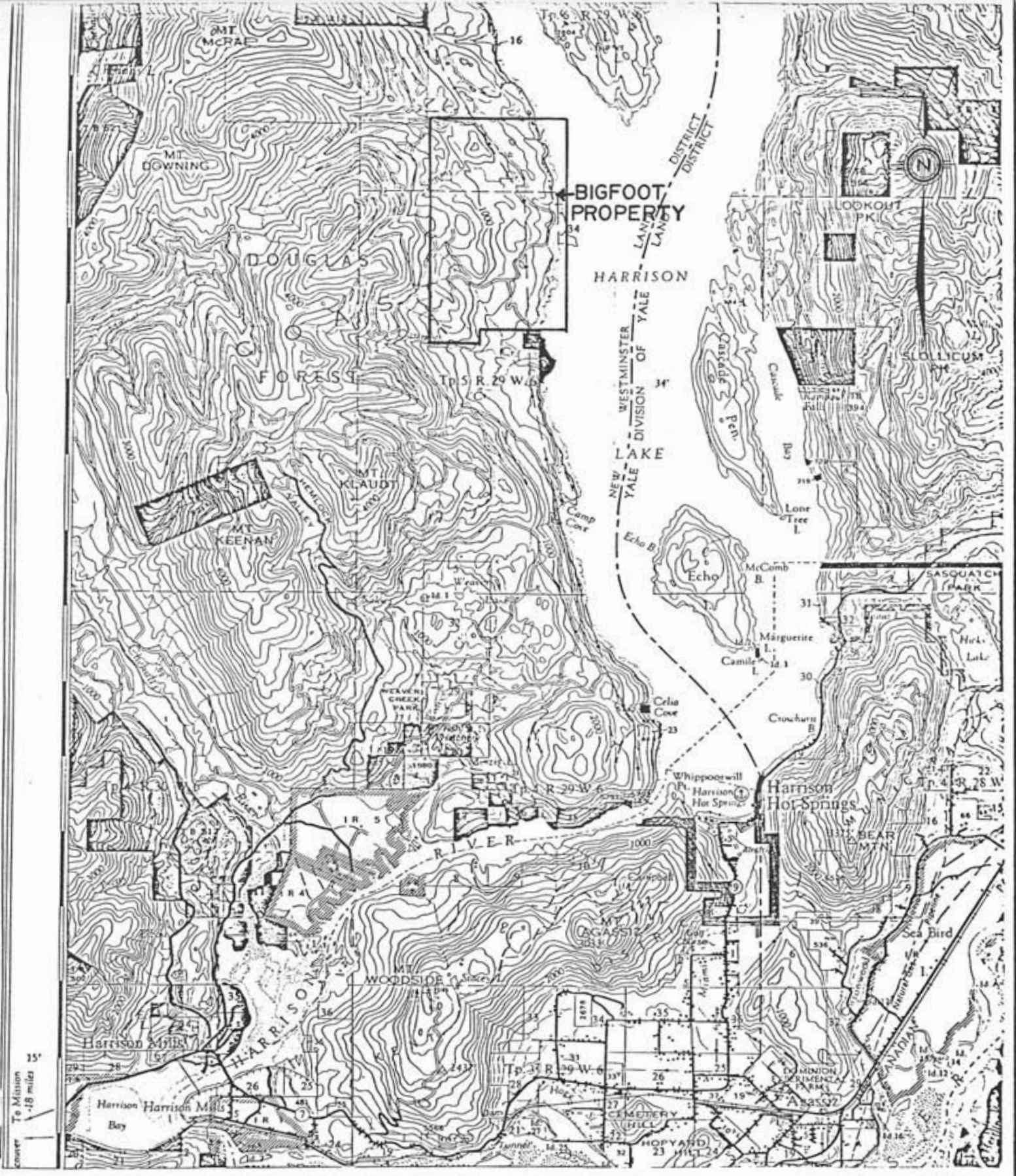
LOCATION AND ACCESS (Figure 1)

The Bigfoot group of claims lies approximately 200 kms east of Vancouver between Cartmell and Walian Creeks on the west side of Harrison Lake. It may be reached by two wheel drive vehicle from Highway 7 by taking the Hemlock Valley - Weaver Creek Hatchery turn off and following the gravel road past the hatchery where it becomes the West Harrison Forest Access Road. A system of logging roads gives access throughout the property.

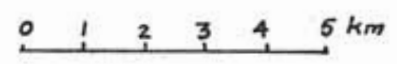
The property lies primarily between 10 and 927 metres elevation and is moderately to densely covered with fir, hemlock and cedar. Alder and maple cover older logged areas.

CLAIMS (Figure 2)

<u>Claim</u>	<u>Record</u>	<u>Units</u>
Duke	1409 (2)	9
Woolybooger	1168 (3)	6
Bigfoot 1	1455 (5)	9
Bigfoot 2	1456 (5)	9
Bigfoot 3	1457 (5)	9
Bigfoot 4	1458 (5)	20
Bigfoot 5	1459 (5)	9
Little Bigfoot 1	1491 (6)	1
Little Bigfoot 2	1492 (6)	1
Little Bigfoot 3	1493 (6)	1
Little Bigfoot 4	1494 (6)	1
Emma 1	1980 (3)	2
Emma 2	1981 (3)	2



LORNEX MINING CORPORATION LTD.



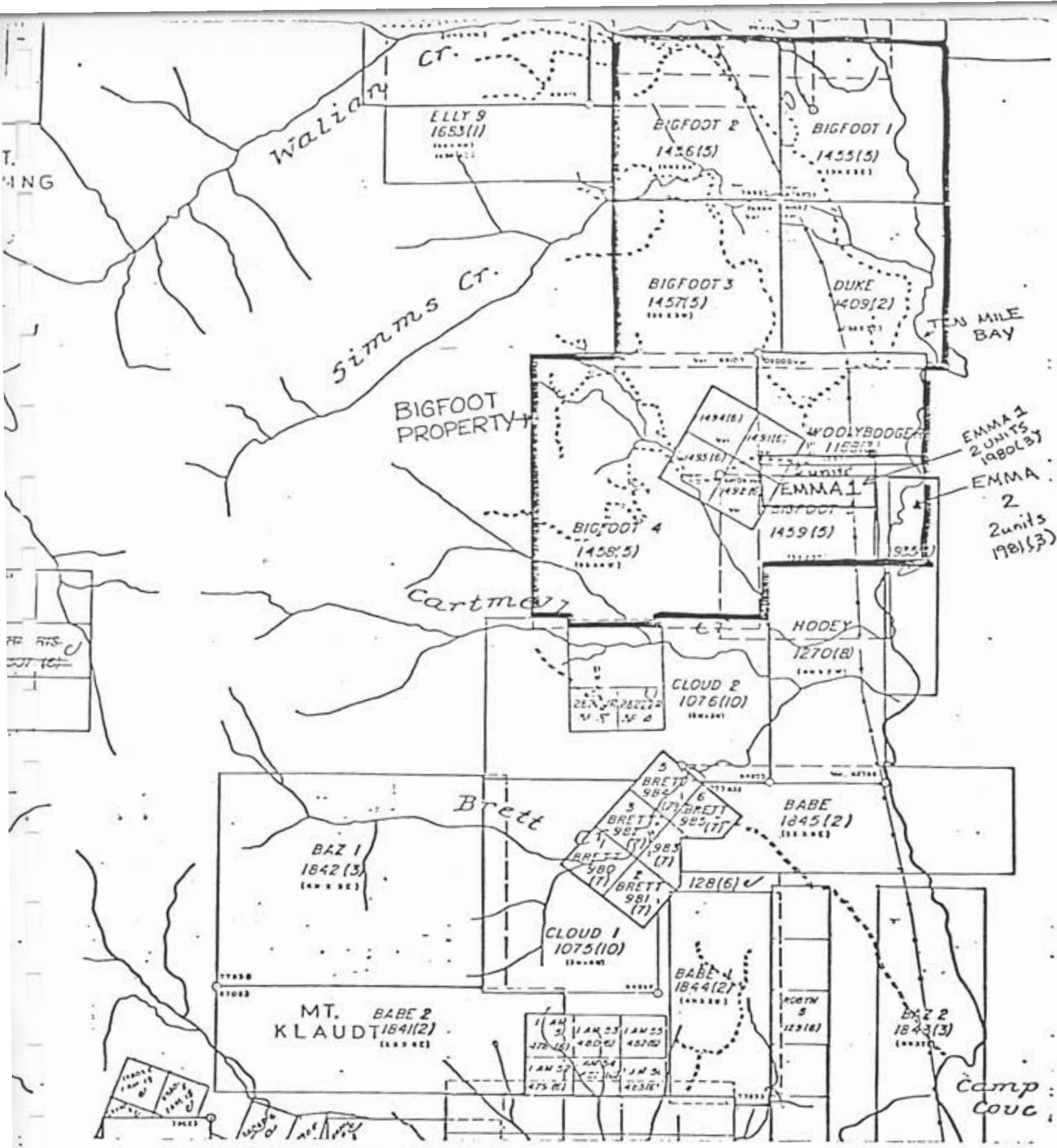
BIGFOOT PROPERTY

*H. Leach*

NTS: 92 H/5W

Figure I - LOCATION MAP

Scale: 1:125,000



LORNEX MINING CORPORATION LTD.

CLAIM MAP

*[Signature]*  
 NTS: 92H/5W

## HISTORY

The property has been staked under a variety of names since 1964. In 1971 Harry V Barley staked the property and optioned it to Delphi Resources who completed a soil geochem and mapping programme in 1972. Delphi subsequently optioned the property to Quintana Minerals Corp who financed reconnaissance EM in 1974. McIntyre Mines optioned the property in 1976 and completed additional soil sampling, mapping and horizontal-loop EM surveys. The property was restaked by Barry Price in 1982 and optioned to Lornex Mining Corporation Ltd. Lornex conducted soil geochemical, geological mapping and IP surveys over the property in 1982 and 1983.

Road and drill site construction began in early February 1984 and drilling commenced March 12 1984 and was completed by April 17 1984.

## GENERAL GEOLOGY

Interdigitated volcanic flows, pyroclastics and epiclastics of andesitic to dacitic composition outcrop throughout the property. Mudstones on the property are re-worked containing well rounded pebbles of similar composition. Graded bedding is observed in both sedimentary and pyroclastic units. Pyroclastic units contain angular to well rounded clasts of variable size up to 30cm in diameter. Signs of penecontemporaneous deformation are evident.

An interesting and notable feature of the lapilli tuff units is the type of lapilli found in flows of similar matrix composition. These may be monolithic or multilithic and of varying degrees of roundness and size. One distinct phase of the lapilli tuff units is the multilithic lapilli tuff showing distinct clast within clast structure indicating deposition of a lapilli tuff unit which was later re-deposited by a second volcanic event. Due to the distinctly different lithologies present it would appear that there was a considerably hiatus between the events.

Some tuffaceous units appear welded or agglutinated as in the case of the Piperno unit (that bears fiamme textured sections) described as L3 in the following rock type descriptions. Other tuffaceous units have a more sandy matrix and break with a hackled or crumbly texture. Most tuffaceous units are densely packed and well cemented with the matrix resembling more of a flow rock rather than a pyroclastic.

Flow rocks have a basically andesitic matrix in which fine grained phenocrysts have been differentiated out. These units may be laterally equivalent and gradational due to cooling but in some places they appear to be gradational to tuffaceous units.

Mudstones appear to be shallow water marine as evidenced by fossil burrows and vugs resembling pelecypods or brachiopods. A certain amount of siliceous/tuffaceous material is incorporated into the sediments as banding generally less than 1mm thick. Slump features, graded bedding and cross bedding/micro laminations in the core indicate depositional hiatuses and that the sequence remains stratigraphically up. Coarse conglomerates with crude stratigraphic grading and imbricate structure, set in a mudstone matrix may represent flysch or turbidite slump sequences. Dips are generally shallow on the mudstone/volcanic sequences and steepen to an apparent 20° or 30° (possibly up to 60°) in the coarser "conglomerate" sections.

Fine grained cubic pyrite with individual cubes up to .5 mm in size is disseminated along parting planes in the mudstone/shale unit. This may be due either to biogenic precipitation or to chemical reduction of gaseous/aqueous fluids escaping from the hydrothermal system.

### Lapilli Tuffs

#### L1 ANDESITE LAPILLI TUFF

- matrix dark grey green to black green;
- clasts are multilithic to monolithic and contain clast within clast texture;
- clasts vary from .5cm up to 20 cm blocks and may be sub-angular to sub-rounded. They are generally moderately to closely packed and exhibit crude alignment or orientation. Graded bedding may be evident.

#### L2 ANDESITE/DACITE LAPILLI TUFF

- grey purple to grey green matrix;
- may contain glass shards;
- contains up to 60% multilithic close packed sub-rounded clast with or without reaction rims;
- trace chloritization, some epidote-pyrite replacement of clasts;
- graded bedding evident.



L3 ANDESITE/DACITE LAPILLI TUFF

- grey matrix with papery or flakey texture and occasional glass shards (piperno);
- fiamme texture (referred to as migmatic or tongue texture in logs), with preferred orientation; some appear chloritic, others cherty or glassy; generally matrix is altered to a clay assemblage;
- may have greenish or brownish cast due to alteration overprinting.

L4 ANDESITE/DACITE LAPILLI TUFF

- monolithic clasts 1-15 cm usually grey green set in a fine grained matrix of similar composition; most fragments are sub-angular and moderately close packed; fragment boundaries are defined by alteration rims. Generally clasts are poorly sorted and not uniform in size.

L5 DACITE LAPILLI TUFF

- light grey green to grey blue aphanitic matrix;
- multilithic sub-angular to rounded fragments 1-10 cm diameter and 20-60% close packed; some clasts are sulphide bearing.
- generally altered by clay, epidote and occasionally silicified;
- some clasts have reaction rims and become ghost fragments;
- graded bedding is generally visible.

Ash Tuffs

T1 DACITE ASH TUFF

- dark green to light green grey matrix generally aphanitic with occasional black glass (obsidian) shards in a sugary matrix in coarser varieties;
- densely packed;
- may contain rounded fragments or phenocrysts of felsic material 1mm to 3mm in diameter. Phenocrysts are generally white but may be altered to yellow green with epidote.
- trace disseminated cubic pyrite.

T2 DACITE - RHYOLITE TUFF

- white siliceous sugary with grey (sulphide ?) streaking and wispy migmatic texture from silica impregnation or remobilization. Has the appearance of broken porcelain in outcrop.

Flow Rocks

F1 ANDESITE DYKE (POSSIBLY A TUFF)

- dark green fine grained aphanitic with a faint banded appearance; extremely hard - possibly silicified;
- hematite + quartz on most fracture surfaces;
- may be gradational or equivalent to tuffaceous and porphyritic units of similar composition.

F2 ANDESITE FELDSPAR PORPHYRY

- as F1 but contains white 1-2mm phenocrysts occasionally replaced by epidote.
- may be equivalent to F3.

F3 DACITE FELDSPAR PORPHYRY

- blue grey to grey green matrix containing 1-2 mm white phenocrysts or fragments altered by epidote in some cases and exhibiting a faint trachytic texture.

F4 PORPHYRITIC "AUGITE" ANDESITE FLOW

- dark green to black aphanitic matrix with 'mafic' phenocrysts --1mm randomly dispersed;
- usually occurs as high temperature dykes producing contact metamorphic reaction rims with host wall rock.

F5 DARK BLUE GREEN ANDESITE FLOW

- blue green aphanitic matrix sometimes with schistose appearance, contains 15-70% close packed 1-2 mm round vesicles filled with blue grey quartz feldspar.
- vesicles may be altered to epidote + quartz ± canary yellow mineral.

## Sediments

### M1 BLACK MUDSTONE

- uniform black platy to shaley;
- some volcanic detritus;
- pelletoidal, fossil burrows.

### M2 BLACK MUDSTONE WITH TUFFACEOUS VOLCANIC SEDIMENTS

- interbedded black argillaceous with a high proportion of fine tuff layers, glass shards and fragments;
- felsic volcanics may be altered to epidote or canary yellow mineral;
- finer tuffaceous material in grading up sequence;
- soft sediment deformation is seen in thixotropic and sediment slumping on 1-3 cm scale.

### M3 GREEN BROWN MUDSTONE

- uniform green brown to tan mudstone containing ovoid pellets or nodules of mudstone coated with fine Fe/Mn rims set in semi imbricate structure. Larger nodules and greater density of nodules seen near top of unit. Forms sharp contact with M2 where seen in outcrop.
- appears to be underlain by a lighter coloured tuffaceous mudstone.

### M4 MUDSTONE CONGLOMERATE

- mudstone as in M1 and M2 but contains well rounded multilithic clasts up to 7.5 cm in diameter in an imbricate and graded bedded sequence with mud filled interstices.

### S1 DACITIC VOLCANIC SEDIMENTS (TUFFS)

- light grey with darker grey argillaceous bands;
- banding/bedding up to 5mm thick;
- poorly sorted; largely volcanic debris; unaltered 1-2 mm grains;
- apparent dips 3-10° SE;
- may form lenses or wedges;
- inter fingers with black mudstone unit.

## ALTERATION

All rock types intersected in the Bigfoot drilling programme appear to have undergone some degree of alteration. Primary alteration appears to be the development of chloritic minerals and as the alteration intensifies, these become successively replaced by sericitic/clay assemblages. In some sections, subsequent leaching has left vugs which are then filled with epidote-quartz-pyrite assemblages. In the mineralized zone, the vugs and fractures have been filled with chalcopyrite-sphalerite  $\pm$  galena-pyrite. Drill hole number 2 has Fe rich blebs of hematite replacement which, in some cases, resemble altered magnetite.

In general, the lapilli are more intensely altered or replaced than the matrix, especially where lapilli appear to be of similar composition to the matrix.

Feldspar rich assemblages are generally replaced by epidote, sericite or clay minerals. A petrographic report on one sample is attached as Appendix III.

Matrix alteration occurs in three forms: epidote, sericite + clay (green-grey alteration), hematite impregnation, (giving a pinkish or brownish cast to the matrix), or silicification. Pyrite is also thought to be more directly related to the alteration rather than deposition process where it occurs as fine striated cubic disseminations. Secondary pyrite is also found in fracture fillings.

Definition of individual rock types is difficult due to the strong alteration overprint. Most are thought to have been originally andesitic in composition. Fracture filling minerals include: quartz  $\pm$  carbonate, epidote  $\pm$  quartz, quartz  $\pm$  hematite and quartz  $\pm$  pyrite. Each are thought to be representative of different stages within the alteration halo of a hydro thermal system.

## STRUCTURE

Lapilli tuff units appear to be deposited in trough shaped wedges which appear to overlap in the stratigraphic sequence. These may grade laterally into other tuffaceous units such as ash tuffs. Mudstone similarly appear to have been deposited in wedges indicating a back water reef-basin environment of deposition.

Syn depositional slump features are present on a small scale within the mudstone units, indicating movement or vibrational forces occurring to disturb the sediments prior to compaction. This movement was probably

concurrent with volcanic eruption resulting in mudstone-conglomerate mudslides and the deposition of ash sized tuffaceous material seen interbedded with the mudstone/shale unit.

Tuffaceous sediments of ash particle size form uniform thin beds blanketing all other strata. It is assumed from their consistency between drill holes that this unit was deposited at a fair distance from the volcanic vent.

Andesitic flow rocks cross cut most lithologies and appear to have followed major stratigraphic and structural breaks. In some cases alignment of phenocrysts produces a trachytic texture. It is assumed that when the fine grained uniform andesite unit was extruded to surface, interaction with host rocks plus the rate of cooling was responsible for the development of the phenocryst stages.

All sedimentary/tuffaceous rocks show evidence of micro-faulting on a density of 5-7 fractures/2.5 cm. Lapilli units are fractured with movement in the order of 2-3 mm up to 1 cm but the fracture density appears to be much less. Major faults are generally marked by gouge or breccia 0.3-1.5 metres thick, but direction and magnitude of movement cannot be determined.

Structural data showing only the major faults is plotted on sections designated in figures 84-4, 84-5 and 84-6. Geologic logs for these sections are contained in Appendix I.

### MINERALIZATION

Mineralization on the Bigfoot property consists of black or brown sphalerite, chalcopyrite, pyrite with minor galena. It occurs mainly as fracture healings and vugs (leached out lapilli). It may or may not be associated with quartz-carbonate-epidote alteration. Mineralization generally occurs as narrow and reasonably consistent bands from hole to hole as shown in structural sections A to C. Mineralized fractures are generally in the order of less than 1 cm thick and at a density of 2 or 3 per 30 cm interval.

### GEOLOGICAL HISTORY

Volcanic eruptions resulted in the deposition of lapilli tuff units and with subsequent movement of the volcanic centres, the units were reworked and redeposited. Evidence indicates more than one volcanic centre was

present in the area producing tuffaceous units of lapilli and ash which overlapped those volcanic units deposited by the nearest centre. Micro-faulting, fracturing and syndepositional deformation features were probably produced concurrent with eruption.

As the eruptive centre moved further away, the uplifted strata evolved into a quiescent marine basin with occasional influx of volcanic debris. A hot spring or hydrothermal system probably evolved at this time causing leaching of reworked materials such as lapilli. Later, a succession of epidote, quartz-carbonate and pyrite began to replace the leached clasts.

A late phase differentiate of these solutions resulted in the releaching and deposition of sphalerite, pyrite, chalcopyrite + galena. Apparently this event was the result of some major tectonic disturbance as the rock units containing these "alteration" clasts became fractured and subsequently healed by mineralization.

COST STATEMENT

Site Preparation

<u>Labour:</u> M L Serack Geologist \$125/day x 10 days	\$ 1,250.00
G Lamont Assistant \$125/day x 10 days	1,250.00
Cost of Living \$47/man night x 20 man nights	940.00
<u>Road Construction:</u>	
D8 bulldozer & operator 90 hours x \$121/hr	10,890.00
Swamper 8.5 days x \$130/day	1,105.00
Grader 17.4 hours x \$76/hour	1,322.40
<u>Diamond Drilling:</u> 2,650 ft x \$18/ft	47,700.00
410 ft x \$25/ft	10,250.00
Core box lids, casing etc	1,231.29
<u>Analysis:</u> Core splitting 88 hours x \$25/hour	2,200.00
Assays Cu,Pb,Zn,Ag,Au 21 @ \$30.75 each	645.75
Geochem Cu,Pb,Zn,Ag,Au 261 x \$12.20 each	3,184.20
<u>Labour:</u> M L Serack Geologist \$125/day x 54 days	6,750.00
G Lamont Assistant \$125/day x 35 days	4,375.00
Cost of Living \$47/man day x 34 days x 2 men	3,196.00
<u>Truck Rental:</u> 2 months @ \$1,100/month	2,200.00
6000 km @ 15¢/km	900.00
Gas	1,050.00
<u>Report Preparation</u>	1,000.00
	<hr/>
	\$101,439.64
	<hr/>

STATEMENT OF QUALIFICATIONS

I, Marjorie L Serack, with business address at Suite 1650, 609 Granville Street, Vancouver British Columbia V7Y 1G5 do hereby state:

- 1) I hold a B Sc (Honours) Degree in Geology from the University of Saskatchewan (1979).
- 2) I have been practicing my profession for five years, being employed by such firms as Saskatchewan Mining Development and Cominco Limited.
- 3) That I am presently employed by Lornex Mining Corporation Ltd.



M L Serack  
Field Geologist

May 5 1984

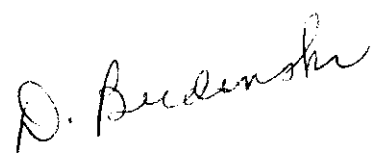


CERTIFICATION

I, David R Budinski, of the City of North Vancouver in the Province of British Columbia hereby certify as follows:

- 1) That I am a registered Professional Geologist in the Province of Alberta and a Fellow of the Geological Association of Canada.
- 2) That I am presently employed by Lornex Mining Corporation Ltd of Vancouver, British Columbia as Manager of Exploration.
- 3) That I have practiced my profession for the past 29 years since graduation from the University of Alberta in 1955 with a B Sc Degree in Geology.
- 4) That I directed the exploration programme on the Bigfoot property conducted by Ms M L Serack during February and April 1984.

Dated at Vancouver, British Columbia this 5th day of May 1984.



D R Budinski

APPENDIX I

APPENDIX I - DIAMOND DRILL LOGS

List of Abbreviations used on drill logs

Frag(s)	Fragment(s)		perpendicular to
Pheno(s)	Phenocryst(s)	C-axis	core axis
tr	Trace	brg	bearing

\* Indicates assay rather than geochemical values i e %Cu, %Pb, %Zn, oz/t Ag, oz/t Au.

All other analyses reported as ppm, except Au which is ppb.



# LORNE MINING CORPORATION LTD. — DIAMOND DRILL LOG

HOLE: 84-18  
Page 2 of 3

PROPERTY: BIGFOOT      NTS: 92H/5W      DEPTH: 105m      DIP: - 55      BEARING: 189°  
 Total Recovery: 99 %      Core Size: NQ      LATITUDE: 100m brg 005° from 25E 1+00N      DEPARTURE: - 57 @ 100m      COLLAR ELEV.: 129m approx  
 COLLARED: MARCH 15 1984      COMPLETED: MARCH 16 1984      LOGGED BY: M L SERACK

C.	INTERVAL	ROCK TYPE / ALTERATION	MINERALIZATION / STRUCTURE	Est. % Sulfides	SAMPLE NUMBER	ASSAYS				
						Cu	Pb	Zn	Ag	Au-AA
		- matrix a darker bluish colour 45.8-47m - badly altered and ? brecciated zones at 47.9 and 49.4m with ? large altered clasts continues to 50.9m; 55.8, 56.1m, 56.7m EPIDOTE veining is 2.5-7.5cm, wide contains very fine PYRITES and CHALCOPYRITE disseminated.	30.6-35.8mm QUARTZ veins at 0-15° to C axis. Yuggy QUARTZ vein filling at 33m; tr sub-euhedral, granular CHALCOPYRITE and PYRITE associated with QUARTZ veining and finely disseminated 32,7-47.9m. Intensely fractured 41.2-44.9m. CHALCOPYRITE vein at 45.8m. PYRITE-CHALCOPYRITE 15cm zone at 46.4m intense dissemination band associated with QUARTZ impregnation. 53.5m SULPHIDE veinlet - coarser recrystallized breccia on margins. 54.8m crackle breccia. 55.8m dense black band ? disseminated CHALCOPYRITE in veinlets and gashes. Stick-inside fractures at 56.7m 43° to C axis. 57.6-62.4m crackle breccia.		25841 (38.2-41.2m) 25842 (41.2-44.2m) 25843 (44.2-47.2m) 25944 (47.2-50.3m) 25845 (50.3-53.3m) 25846 (53.3-56.4m) 25847 (56.4-57.6m) 25848 (57.6-59.1m) 25849 (59.1-60.3m) 25850 (60.3-61.5m) 25851 (61.5-62.4m)	900 325 75 21 66 81 265 37 41 38 40	255 605 28 25 14 40 90 12 26 38 22	2300 1130 100 189 138 210 1830 205 143 156 220	1.0 0.6 0.4 0.3 0.1 0.1 0.1 0.1 0.1 0.4 0.2	<10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10
	63.9 -  68.5 Fragments more ghost like. Fragments generally smaller and re brecciated	Reaction rims 56.7m - QUARTZ eyes developed 56.7m. 61.8m Banded altered ? Dykelet. 62.4m Banded altered ? Dykelet. 62.4m Coarse breccia.	CHALCOPYRITE present ?							
	73.9-77.3m secondary disseminated PYRITE and EPIDOTE alteration with some white clay minerals in veinlets following fractures and replacing ghost fragments. random patches of chloritization.  80.5m narrow 7.5cm band darker matrix containing fine well rounded close packed ANDESITE clasts approximately 1-2mm in size cemented with chloritic material + SULPHIDES.	62.7-63.3m veinlets of PYRITE, CHALCOPYRITE. 63.3-63.9 QUARTZ CARBONATE veinlets + fracture filling. Fractures 20-40° to C-axis fine SULPHIDES on fracture surfaces. 67.9-68.5m Crackle breccia disseminated PYRITE + ?CHALCOPYRITE 68.5-72.1m Disseminated PYRITE Fault breccias at 73.6m, 74.2m, 75.5m. 77.6-78.5m, 80.0m, Disseminated GALENA on fracture surface 78.0m	.02% CHALCOPYRITE 1% PYRITE  Trace-1% PYRITE	25852 (62.4-63.3m) 25853 (63.3-65.6m) 25854 (65.6-68.5m)  25855 (68.5-71.5m) 25856 (71.5-74.6m) 25857 (74.6-77.3m)	490 68 27  53 7 71	18 18 17  10 .4 4	265 132 100  94 81 92	0.7 0.1 0.1  0.1 0.1 0.1	<10 <10 <10  <10 <10 <10	

# LORNE MINING CORPORATION LTD. — DIAMOND DRILL LOG

HOLE: 84-18  
Page 3 of 3

PROPERTY: BIGFOOT      NTS: 92H/5W      DEPTH: 105m      DIP: -55°      BEARING: 189°  
Total Recovery: 99%      Core Size: NQ      LATITUDE: 100m Brg 005° from 25E 1+00N      DEPARTURE: -57° @ 100m      COLLAR ELEV.: 129m approx  
COLLARED: MARCH 15 1984      COMPLETED: MARCH 16 1984      LOGGED BY: M L SERACK

C.	INTERVAL	ROCK TYPE / ALTERATION	MINERALIZATION / STRUCTURE	Est. % Sulfides	SAMPLE NUMBER	ASSAYS				
						Cu	Pb	Zn	Ag	Au-AA
L4	99.4-100.6m	82.1 EPIDOTE QUARTZ CARBONATE vein 2.5cm wide $\downarrow$ to core axis.	83.3m fault gauge.		25858 (77.3-78.5m)	39	8	93	0.1	<10
		83.9-84.1m as above but finer grained 1cm thick $28^\circ \downarrow$ to C-axis	84.2-89.7m core badly fractured, many slip fractures at $70-80^\circ \downarrow$ to C-axis.		25859 (78.5-79.4m)	35	8	108	0.1	<10
		86.4-93.0m rock is much less silicified, softer and slightly more bleached. Fragments are ghost like and chloritic. Mottled green grey white colour.	86.1-86.7m Crackle brecciated with CALCITE cementing fractures; some QUARTZ cement.		25860 (79.4-80.6m)	25	13	83	0.3	<10
		93.0-93.2m 10-12.5cm ANDESITE dyke very fine grained.	86.1-93.0m very fine grained PYRITE liberally disseminated.	2% PYRITE	25861 (80.6-83.6m)	6	6	86	0.1	<10
		93.2-93.6 Less altered DACITE fragmental	89.7-92.7 - network PYRITE veining around clasts in a highly silicified zone.		25862 (83.6-86.7m)	28	3	84	0.1	<10
		93.6m ANDESITE TO DACITE ? TUFF very fine grained with no clasts, dark green-grey	Trace PYRITE disseminated but locally increased concentrations.		25863 (86.7-89.7m)	36	2	79	0.1	<10
		Some very fine EPIDOTE alteration of grain - QUARTZ CARBONATE on hairline fractures.	Fault breccia and gouges at 97.0-99.4m, 99.4m (Silicified) - 100.6m		25864 (89.7-90.9m)	9	2	76	0.1	<10
			9cm wide zones lacking cohesion.		25865 (90.9-93.3m)	12	1	76	0.1	<10
					25866 (93.3-95.8m)	12	2	136	0.1	<10
					25867 (95.8-97.3m)	20	2	96	0.1	<10
					25868 (97.3-99.4m)	65	2	94	0.1	<10
					25869 (99.4-101.5m)	20	20	192	0.2	<10
					25870 (101.5-103.3m)	10	8	193	0.2	<10
			99.4-100.6m	Crushed breccia 99.4-101.2 very broken large clasts.						
		101.7 contact ANDESITE ? DYKES 15-25cm cutting more silicified crush breccia contact is approximately $60^\circ \downarrow$ to C-axis. contact to 102.7m.	(Reduce to BQ 100m).							
	102.7-104.9m	LAPPILI - large clasts in dark grey matrix 1.2-5cm sub-round to sub-angular greenish grey apparently monolithic. Becomes rounded clasts near 104.8m	Breccia/LAPPILI cemented with SILICA and fine grained PYRITE. PYRITE rims clasts; clasts fractured, 2 directional with movement, stretching evident		25871 (103.3-105.0m)	16	14	142	0.1	<10
			END OF HOLE - LOST BIT IN HOLE							

# LORNEX MINING CORPORATION LTD. — DIAMOND DRILL LOG

HOLE: 84-2  
Page 1 of 4

PROPERTY: BIGFOOT      NTS: 92H/5W      DEPTH: 104.9m      DIP: -45°      BEARING: 222°  
 Total Recovery: 97%      Core Size: NQ      LATITUDE: 26m Brg 042° from 00 1+50N      DEPARTURE: -45° @ 104.9m      COLLAR ELEV.: 159.7m  
 COLLARED: MARCH 17 1984      COMPLETED: MARCH 19 1984      LOGGED BY: M L SERACK *M. L. Serack*

C.	INTERVAL	ROCK TYPE / ALTERATION	MINERALIZATION / STRUCTURE	Est. % Sulfides	SAMPLE NUMBER	ASSAYS				
						Cu	Pb	Zn	Ag	Au-AA
	0.0- 14.2m	OVERBURDEN								
L5 + L3	14.2- 38.8m	ANDESITE TO DACITE LAPILLI TUFF: - Multilithic subrounded to sub angular clasts 2mm-4mm in diameter, some alteration and reaction rims. 20% fragments; dark green CHLORITIC CHERTY varieties most prevalent. Trace PYRITE replacement alteration to WHITE CLAY seam 17.6m clay alteration evident in softness of some sections; rock generally quite hard - matrix generally blue-grey with some green grey sections where altered.	Trace fine grained PYRITE disseminated white QUARTZ carbonate veins at 15.2m @ 70° to C axis. Crackle brecciated 15.5-16.7m; QUARTZ veins 21.5-22.4m at 30°, 45°, 70° ⊥ C axis. 23.6-24.8m irregular QUARTZ veins sub parallel to C axis. 17.9m fault gouge. 24.8-25.1m fault gouge.	Trace PYRITE	25872 (14.4-17.4m) 25873 (17.4-17.7m) 25874 (17.7-20.3m) 25875 (20.3-21.8m)	22 41 74 555	30 50 47 84	168 124 490 2950	0.1 0.4 0.5 4.0	<10 <10 10 10
			21.2-21.5m CHALCOPYRITE, PYRHOTITE ± SPHALERITE replacements along grain at 60° ⊥ to C-axis replacement irregular.	1% CHALCOPYRITE 2% ? SPHALERITE ½% PYRHOTITE Trace PYRITE	25876 (21.8-25.0m)	225	26	590	1.0	<10
			25.4 - 2.5cm PYRITE • CHALCOPYRITE intersection.		25877 (25.0-26.4m)	36	14	670	0.5	<10
			26.7-27.0m CHALCOPYRITE ?SPHALERITE with QUARTZ as replacements, grain rims and fracture filling. 27.3m 2.5cm massive CHALCOPYRITE, SPHALERITE • GALENA @ 45° to C-axis.	.05 CHALCOPYRITE 1% SPHALERITE trace PYRITE	25878 (26.4-27.0m)	0.59*	0.01*	3.97*	0.22*	<0.003*
		30.9-34.5m rock becomes greener in colour and fragment boundaries become diffuse.	27.6-30.0m Hairline fractures bearing CHALCOPYRITE, SPHALERITE and GALENA 1mm thick at 45-70° ⊥ to C axis in two directions.	.01 CHALCOPYRITE .01 SPHALERITE trace GALENA	25879 (27.0-28.8m) 25880 (28.8-31.2m) 25881 (31.2-33.0m) 25882 (33.0-34.9m)	0.01* 157 75 146	0.01* 8 12 10	0.12* 1890 460 770	0.03* 1.0 0.8 0.8	<0.003* <10 <10 <10
		34.5-36.4m Brecciated and kaolinized (scratches with fingernail) QUARTZ carbonate on fracture surfaces.	35.5m PYRITE veining and replacement of fragments		25883 (34.9-36.4m) 25884 (36.4-38.6m)	67 115	10 10	835 460	0.6 0.4	<10 10
		36.4-38.8m Matrix becomes much finer grained fragments are barely distinguishable.	36.4-38.8m disseminated PYRITE in fractures and tension gashes	trace-1% PYRITE						

# LORNEX MINING CORPORATION LTD. — DIAMOND DRILL LOG

HOLE: 84-2  
Page 2 of 4

PROPERTY: 81GFOOT      NTS: 92H/5W      DEPTH: 104.9m      DIP: -45°      BEARING: 222°  
 Total Recovery: 97%      Core Size: NQ      LATITUDE: 26m Brg 042° from 00 1+50N      DEPARTURE: -45° @ 104.9m      COLLAR ELEV.: 159.1m  
 COLLARED: MARCH 17 1984      COMPLETED: MARCH 19 1984      LOGGED BY: M L SERACK

C.	INTERVAL	ROCK TYPE / ALTERATION	MINERALIZATION / STRUCTURE	Est. % Sulfides	SAMPLE NUMBER	ASSAYS				
						Cu	Pb	Zn	Ag	Au-AA
F5	38.8- 40.9m	ANDESITE ? FRAGMENTAL - rounded QUARTZ rich fragments lighter coloured than matrix. - matrix dark grey to black. - contact marked by irregular QUARTZ stringer band 2cm thick at 15° ⊥ to C-axis.	Cut by QUARTZ stringers. PYRITE stringers with trace, disseminated PYRITE. Stringers at random orientation along fractures 30-45°, 60° ⊥ to C-axis also sub parallel to C-axis.		25885 (38.8-40.9m)	7	10	88	0.4	∠10
	40.9- 41.2m	Altered zone of mixing between above unit and altered light grey DACITE fragmental unit.  41.2m narrow 1 cm black band 3° ⊥ to C-axis marks contact.								
L3 ± L4	41.2- 55.8m	DACITE LAPILLI TUFF - grades from light grey to grey green matrix with fragments almost ghost like and composed of green cherty material or similar to matrix; fragments 20-30% of rock.  47.6m Rock much harder apparently silicified, trace EPIDOTE content as replacement alterations increasing down hole.	41.2-42.4m badly brecciated with fractures healed by very fine grained black to grey mineral ? sphalerite. Fractures up to 1m in size; overprinted with alteration, contains disseminated PYRITE, PYRITE replacement of clasts.  47.3-47.6m Silicified gouge - lighter grey in colour, QUARTZ cement.  47.9-48.6m PYRITE silica impregnation zones  53.3-60.0m Brecciated softer zone.	Trace PYRITE tr-1% SPHALERITE	25886 (40.9-42.4m)	0.01*	0.01*	0.01*	0.06*	∠0.005*
					25887 (42.4-44.6m)	12	4	124	0.5	∠10
					25888 (44.6-47.0m)	11	2	168	0.2	∠10
					25889 (47.0-48.2m)	0.01*	0.01*	0.01*	0.02*	∠0.003*
					25890 (48.2-50.3m)	6	120	200	1.0	10
					25891 (50.3-53.3m)	17	26	99	0.4	∠10
L2	55.8- 60.3m	ANDESITE FLOW WITH CLASTS ? OR DACITE LAPILLI TUFF - contact gradational to dark green matrix - "ANDESITE" contains small round clasts 1mm-3cm altered in places with reaction rims, EPIDOTE & PYRITE replacements; irregular banding. - appears faintly banded at ~30° ⊥ C-axis.	55.5m EPIDOTE irregular replacements.  59.4m QUARTZ veins 1mm-3cm @ 60° ⊥ to C-axis.		25892 (53.3-54.9m)	31	14	122	0.3	∠10
					25893 (54.9-57.9m)	28	6	152	0.3	∠10
					25894 (57.9-60.6m)	24	8	205	0.3	∠10



# LORNE MINING CORPORATION LTD. — DIAMOND DRILL LOG

HOLE: 84-2  
Page 3 of 4

PROPERTY: BIGFOOT      NTS: 92H/5W      DEPTH: 104.9m      DIP: -45°      BEARING: 222°  
 Total Recovery: 97 %      Core Size: NQ      LATITUDE: 26m Brg 042° from 00 1+50N      DEPARTURE: -45° @ 104.9m      COLLAR ELEV.: 159.1m  
 COLLARED: MARCH 17 1984      COMPLETED: MARCH 19 1984      LOGGED BY: M L SERACK

C.	INTERVAL	ROCK TYPE / ALTERATION	MINERALIZATION / STRUCTURE	Est. % Sulfides	SAMPLE NUMBER	ASSAYS				
						Cu	Pb	Zn	Ag	Au-AA
		grades into a very fine ANDESITE dark green in colour with no clasts.	Contact to grey unit marked by intensive QUARTZ CARBONATE veining 7.5 cm thick at 65° ⊥ to C-axis. Trace HEMATITE-MAGNETITE staining.							
L5 + L2	60.3- 62.1m	Bleached light grey gradational contact.	Trace PYRITE and HEMATITE on fractures, crackle brecciated at 62.4m.		25895 (60.6-63.0m) 25896 (63.0-64.2m) 25897 (64.2-66.1m) 25898 (66.1-69.7m)	5 12 8 14	2 1 2 15	120 170 130 230	0.2 0.2 0.1 0.2	<10 <10 <10 <10
	62.1- 69.7m	into DACITE LAPILLI TUFF - mottled grey-green getting increasingly greener in colour, clasts subround and up to 5 cm in diameter. Some diffuse with reaction rims. Some clasts altered to EPIDOTE; EPIDOTE along fractures.	Irregular contact same lithology at 68.8m. QUARTZ filled shear at 68.2m.							
F2 F5	69.7- 72.7m	DARK GREEN ANDESITE. FELDSPAR PHENOS 1-2mm replaced by EPIDOTE. Banding 0° ⊥ to C-axis. 72.4-72.7m siliceous banding paralleling bedding 3° ⊥ to C-axis.	Contact sub horizontal, shows reaction rim with host rock.		25899 (69.7-70.6m) 25900 (70.6-75.2m) 25901 (75.2-76.7m) 25902 (76.7-79.4m)	21 0.01* 0.01* 26	1 0.01* 0.01* 5	116 0.01* 0.01* 118	0.3 0.02* 0.02* 0.3	<10 <0.003* <0.003* <10
L4 ?	72.7- 79.4m	ANDESITE TO DACITE LAPILLI TUFF - fragments barely definable. - Core bleached white 75.2-76.7m contains HEMATITE/MAGNETITE blebs.	CALCITE fractures at 50° ⊥ to C-axis and sub-parallel. HEMATITE/MAGNETITE blebs.	10% Fe						
F1	79.4- 80.3m	ANDESITE FLOW/DYKE - banded fine grained dark green no clasts - siliceous.	Contacts at 3° ⊥ to C-axis cut by random hairline QUARTZ CARBONATE veins. EPIDOTE-PYRITE vein at 79.1m		25903 (79.4-80.5m)	370	290	1720	1.3	<10
L4 ?	80.3- 83.0m	DACITE LAPILLI TUFF as above ANDESITE dyke but contains more EPIDOTE.	7.5 cm band of QUARTZ CARBONATE in breccia at contact 83.0m. 83.0m contact irregular with evidence of reaction.		25904 (80.5-83.0m)	7	7	117	0.4	<10

# LORNEX MINING CORPORATION LTD. — DIAMOND DRILL LOG

HOLE: 84-2  
Page 4 of 4

PROPERTY: BIGFOOT DEPTH: 104.9m BEARING: 222°  
 Total Recovery: 97% Core Size: NQ LATITUDE: 26m Brg 042° from DEPARTURE: -45° @ 104.9m COLLAR ELEV.: 159.1m  
 COLLARED: MARCH 17 1984 COMPLETED: MARCH 19 1984 LOGGED BY: M L SERACK

C.	INTERVAL	ROCK TYPE / ALTERATION	MINERALIZATION / STRUCTURE	Est. % Sulfides	SAMPLE NUMBER	ASSAYS				
						Cu	Pb	Zn	Ag	Au-AA
F1	83.0- 90.3m	ANDESITE DYKE - as above tuff but has fine clasts, more QUARTZ fractures EPIDOTE clay alteration at 85.2m associated with QUARTZ horsetail veining; EPIDOTE vein @ 87.3m; blebs at 88.2m.	85.2-90.3 random hairline QUARTZ CARBONATE veins at various angles - multi-directional fracturing. 88.5m HEMATITE on fracture surfaces. 89.7m HEMATITE vein or bleb - PYRITE/ SPHALERITE also present ?		25905 (83.0-86.1m) 25906 (86.1-90.3m)	45	48	390	0.4	<10
						28	80	285	0.4	<10
L1	90.3- 98.9m	DACITE TUFF - reaction rim into coarse clastic ANDESITE with clasts 7.5-20cm angular and close packed showing some degree of orientation or stretching gradational to smaller clasts with hole depth.  92.4-93.0 Strongly bleached ? of above white brown matrix silicified fragments identifiable. Contacts diffuse Dark green DACITIC/ANDESITIC TUFF with variable fragments sub rounded. 96.4-97.0m abundant EPIDOTE as replacement of fragments and fractures.	Contains abundant disseminated HEMATITE, PYRITE along fractures and in blebs.  QUARTZ veining and silicification.  Contacts at 50° ⊥ to C-axis. 95.9m clasts replaced by PYRITE	5% Iron 2% PYRITE	25907 (90.3-92.4m) 25908 (92.4-93.0m) 25909 (93.0-95.8m) 25910 (95.8-98.8m)	109	305	470	0.6	<10
						0.01*	0.01*	0.01*	0.02*	<0.003*
F2	98.9-100.0m	DARK GREEN ANDESITE with FELDSPAR phenocrysts replaced by EPIDOTE. Abundant EPIDOTE vein alteration 30-60% of last 30.5cm.	Banded ⊥ to C-axis		25911(98.8-100.3m)	115	250	670	0.6	<10
L2	100.0-104.9m	DACITE LAPILLI TUFF as described earlier. - Clasts altered to EPIDOTE and have been leached out to form Vugs partially replaced by PYRITES. - grades to larger clasts 15-20cm in size then into finer clasts again.	Graded bedding  Which way is up ?	Trace-1% PYRITE	25912(100.3-104.9m)	10	13	96	0.5	<10
END OF HOLE - HIT ARTESIAN SPRING										

# LORNEX MINING CORPORATION LTD. — DIAMOND DRILL LOG

HOLE: 84-3  
Page 1 of 3

PROPERTY: B,IGFOOT      NTS: 92H/5W      DEPTH: 95.8m      DIP: -45°      BEARING: 217°  
 Total Recovery: 99.5 %      Core Size: NQ      LATITUDE: 12m Brg 47° from 500W + 50S      DEPARTURE:      COLLAR ELEV.: 224.2m approx  
 COLLARED: MARCH 20 1984      COMPLETED: MARCH 22 1984      LOGGED BY: M L SERACK

C.	INTERVAL	ROCK TYPE / ALTERATION	MINERALIZATION / STRUCTURE	Est. % Sulfides	SAMPLE NUMBER	ASSAYS				
						Cu	Pb	Zn	Ag	Au-AA
	0.0- 25.2m	OVERBURDEN								
L5	25.2- 29.4	? OVERBURDEN OR ALTERED DACITE LAPILLI TUFF light grey matrix with multilithic close packed subrounded clasts.	PYRITE disseminated and along fractures and filling breccia gouge.	3% PYRITE	25913 (25.2-30.0m)	11	9	90	0.3	<10
L2 + L3	29.4- 39.7m	DACITE LAPILLI TUFF - matrix dark grey to black fine grained. - subrounded close packed clasts 40% multilithic and altered - some replacement of matrix of clasts with PYRITE. - Blue CHLORITIC mineral common, is very soft and weathered easily.	Hairline fractures of QUARTZ/CARBONITE most at 45° ⊥ C-axis.		25914 (30.0-34.6m) 25915 (34.6-39.7m)	4 9	5 6	100 107	0.4 0.4	<10 <10
L2	39.7- 48.2	ANDESITE to DACITE with small ghost CHLORITIC fragments 1mm-1cm. 47.0m EPIDOTE altered clasts. 48.2m Contact marked by CHLORITIC mineral.	Hairline QUARTZ veins. PYRITE replacement of altered fragments; disseminated and on fractures. 44.5m Fault gouge.		25916 (39.7-44.6m) 25917 (44.6-47.3m) 25918 (47.3-48.8m)	31 14 10	14 12 1	430 232 162	0.2 0.2 0.1	<10 <10 <10
L3	48.2-51.2m	DACITE/ANDESITE LAPILLI TUFF Green CHLORITIZED fragments are stretched, most fragments have reaction rims and are fractured. HEMATITE gives matrix a slightly redder appearance.	Contacts at approximately 45° ⊥ C-axis.	2% PYRITE disseminated.	25919 (48.8-51.2m)	14	9	138	0.2	<10
F1 + F3	51.2- 66.1m	DACITE FELDSPAR PORPHYRY or ANDESITIC TUFF with 2mm fragments and LAPILLI. - dark green matrix with EPIDOTE alteration and veining 5% fragments, trace PYRITE 56.4-58.8m muddy brown appearance, highly fractured with EPIDOTE and HEMATITE on fracture surfaces. 59.1-59.7m Gradational to DACITE FELDSPAR PORPHYRY with blue green matrix and EPIDOTE alteration of "fragments".	Sheared and crackle brecciated with CARBONATE on fracture surfaces. PYRITE, CHALCOPYRITE, SPHALERITE, GALENA veinlet at 51.8m, .5cm thick. 52.0m, 30cm band in highly altered CHLORITIZED matrix with SILICA impregnation at 23° and approx 60° ⊥ to C-axis. Contains colliform brown to black SPHALERITE CHALCOPYRITE, GALENA PYRITE.	trace-1% PYRITE disseminated. .05% CHALCOPYRITE .2% SPHALERITE tr-.01% GALENA tr-1% PYRITE	25920 (51.2-55.5m) 25921 (55.5-59.7m) 25922 (59.7-62.4m) 25923 (62.4-66.1m)	107 17 34 15	215 5 1 1	1850 133 90 105	0.4 0.2 0.2 0.2	<10 <10 <10 <10

*ML Serack*

# LORNE MINING CORPORATION LTD. — DIAMOND DRILL LOG

HOLE: 84-3  
Page 2 of 3

PROPERTY: BIGFOOT      NTS: 92H/5W      DEPTH: 95.8m      DIP: -45°      BEARING: 217°  
 Total Recovery: 99.5 %      Core Size: NQ      LATITUDE: 12m Brg 47° from 500W + 50S      DEPARTURE:      COLLAR ELEV.: 224.2m approx  
 COLLARED: MARCH 20 1984      COMPLETED: MARCH 22 1984      LOGGED BY: M L SERACK

C.	INTERVAL	ROCK TYPE / ALTERATION	MINERALIZATION / STRUCTURE	Est. % Sulfides	SAMPLE NUMBER	ASSAYS				
						Cu	Pb	Zn	Ag	Au-AA
		61.5-64.5 Muddy brown matrix with HEMATITE QUARTZ CARBONATE on fracture surfaces.								
		66.1 - 7.5 cm coarse fragmental lens	CHALCOPYRITE as coating on LAPILLI and fracture filling.							
F3	66.1- 76.1m	DACITE PORPHYRY - Bleached very light grey green with relict banding at 15° ⊥ C-axis - carbonate on fractures; fine 1-2mm white flecks with altered boundaries presumed to be FELDSPAR PHENOCRYSTS.	Hairline fractures - 3 directions at 45°-85° ⊥ to C-axis Contains disseminated PYRITES, cobidal brown and black SPHALERITE, CHALCOPYRITE, GALENA on fracture surfaces 2.5cm at 70.9m 7.5cm at 71.2m, hairline at 71.5m.		25924 (66.1-68.5m) 25925 (68.5-70.6m) 25926 (70.6-72.1m) 25927 (72.1-73.6m) 25928 (73.6-76.1m) 25929 (76.1-77.3m)	9 21 0.08 * 0.01 *	5 5 0.01 * 0.01 *	138 142 0.84 0.07	0.1 0.1 0.05 0.04	<10 <10 0.003* 0.003*
		Breccia band 30.0cm at 71.5-71.8m contains mineralization. Bleached almost white grey 71.8-72.4m; becomes increasingly greener less altered matrix 72.4-76.1m	- Mineralization as blebs grain coatings and open space fillings. Brown SPHALERITE CHALCOPYRITE, trace GALENA, 1% PYRITE PYRITE, SPHALERITE, CHALCOPYRITE on hairline fractures 71.8-72.1m. Crackle brecciated 72.1-76.1m	.1% SPHALERITE .05% CHALCOPYRITE 1% PYRITE trace GALENA						
F5	76.1- 77.3m	DARK CHLORITIC GREEN ANDESITIC TUFF very fine grained with fragments primarily altered by EPIDOTE grades into coarse LAPILLI unit.	1.2cm QUARTZ CARBONATE vein at 76.4m							
L1	77.3- 78.5	COARSE ANDESITIC LAPILLI TUFF showing clasts within clast structure. Clasts fine at top of hole grading to 5-7.5cm over a distance of .9m then fining out again. Some replacement of clasts with PYRITE.	Bottom contact irregular at about 5-10° ⊥ to C-axis.	trace-1% PYRITE	25930 (77.3-78.5m)	27	34	375	0.1	<10

# LORNE MINING CORPORATION LTD. — DIAMOND DRILL LOG

HOLE: 84-3  
Page 3 of 3

PROPERTY: BIGFOOT      NTS: 92H/5W      DEPTH: 95.8      DIP: -45°      BEARING: 217°  
 Total Recovery: 99.5 %      Core Size: NQ      LATITUDE: 12m Brg 47° from 500W + 50S      DEPARTURE:      COLLAR ELEV.: 22.4m approx.  
 COLLARED: MARCH 20 1984      COMPLETED: MARCH 22 1984      LOGGED BY: M L SERACK

C.	INTERVAL	ROCK TYPE / ALTERATION	MINERALIZATION / STRUCTURE	Est. % Sulfides	SAMPLE NUMBER	ASSAYS				
						Cu	Pb	Zn	Ag	Au-AA
L1	78.5- 90.3m	ANDESITIC TUFF UNIT - medium grey-green with increasing greener matrix down hole. Grades into coarse clastic unit with HEMATITE at 86.5m for 15cm - Clasts show clast within clast texture.	Fractures with QUARTZ CARBONATE are hair-line to irregular and at 60-70° ↓ to C-axis. HEMATITE along fracture surface at 83.6m Basal contact to clastic ANDESITE is at 32° ↓ to C-axis contains PYRITE in clastics		25931 (78.5-83.0m)	14	5	205	0.1	<10
					25932 (83.0-85.8m)	3	1	100	0.1	<10
					25933 (85.8-86.1m)	27	40	108	0.3	<10
					25934 (86.1-89.7m)	10	2	96	0.2	<10
					25935 (89.7-93.3m)	14	30	128	0.2	<10
					25936 (93.3-95.8m)	22	15	103	0.2	<10
L2	90.3- 95.8m	Coarse fragmental brecciated and re-healed Angular clasts 5-7.5cm contain subrounded clastic unit gradational to ANDESITE/ DACITE LAPILLI TUFF with brownish matrix EPIDOTE vein at 94.2m.	Trace black SPHALERITE + PYRITE on fracture surfaces. PYRITES replace chlorite; coarsening down sequences 90.3-91.8m, 91.8-92.7m 92.7-93.3m, 93.3-95.5m.	2% PYRITE tr-3% SPHALERITE						
			END OF HOLE							

# LORNEX MINING CORPORATION LTD. — DIAMOND DRILL LOG

HOLE: 84-4  
Page 1 of 2

PROPERTY: 816FOOT      NTS: 92H/5W      DEPTH: 77.9m      DIP: VERTICAL      BEARING: 000  
 Total Recovery: 100 %      Core Size: NQ      LATITUDE: 24m Brg 090 from BL 625W      DEPARTURE:      COLLAR ELEV.: 228.1m  
 COLLARED: MARCH 23 1984      COMPLETED: MARCH 24 1984      LOGGED BY: M L SERACK

*M. Serack*

C.	INTERVAL	ROCK TYPE / ALTERATION	MINERALIZATION / STRUCTURE	Est. % Sulfides	SAMPLE NUMBER	ASSAYS				
						Cu	Pb	Zn	Ag	Au-AA
	0.0- 0.6m	OVERBURDEN								
F4	0.6- 7.0m	PORPHYRITIC AUGITE ANDESITE FLOW dark green fine grained with fine <math>\leq 4\text{mm}</math> MAFIC PHENOS.	Badly fractured with abundant MANGANESE and rust on fracture surfaces. Hairline QUARTZ impregnation and fracture filling.		25937 ( 6.7-10.6m)	1	3	50	0.1	<math>\leq 10</math>
L2	7.0- 19.4m	ANDESITE/DACITE LAPILLI TUFF purplish to green matrix containing greener clasts elongated clasts at <math>50^\circ</math> to C-axis well rounded. Ghost like clasts throughout. more black after 15.8m. 19.1-19.4m very bleached section with grey patches appears silicified.	Hairline QUARTZ CARBONATE fractures <math>0^\circ, 30^\circ, 50^\circ</math> to C-axis.		25938 (10.6-14.6m) 25939 (14.6-20.3m)	1 1	3 2	48 52	0.2 0.1	<math>\leq 10</math> <math>\leq 10</math>
F1	19.4- 20.0m	ANDESITE DYKE - Fine grained with "bedding" <math>0^\circ</math> to C-axis - Dark green to black, APHENITIC matrix.	Top contact at <math>60^\circ</math> to C-axis. Bottom contact at <math>50^\circ</math> to C-axis							
L2 + L3	20.0- 33.9m	ANDESITE/DACITE LAPILLI TUFF Purplish to black with green patches - rounded clasts altered to grey green cherty colour. 28.5-29.4m bleached zone cut by abundant QUARTZ CLAY, trace EPIDOTE stringers and infilled with black mineral in hazy fractures. Matrix becomes darker and greenish towards 33.9m.	Red HEMATITE associated with PYRITE replacing clasts. Trace GALENA at 27.6m; fine grained and associated with PYRITE, QUARTZ space filling. Gouge breccia 20.3m, 20.9m, 21.8-23.8m Altered green 30cm breccia with rounded pebbles in a band with elongated pebble axis at <math>50^\circ</math> to C-axis. Coarse clastic units at 32.4m, 33.3m, 33.9m.	2% disseminated PYRITE trace red HEMATITE trace GALENA	25940 (20.3-24.6m) 25941 (24.6-24.9m) 25942 (24.9-28.5m) 25943 (28.5-30.3m) 25944 (30.3-34.6m)	1 25 1 7 19	28 37 55 57 60	90 160 85 140 110	0.6 0.6 0.4 0.5 0.5	<math>\leq 10</math> <math>\leq 10</math> 10 <math>\leq 10</math> <math>\leq 10</math>
F1	33.9- 35.8m	ANDESITE DYKE Dark green fine grained APHANETIC grades into coarse breccia as described at 24.8m clasts appear to have reaction rims - open space filling with QUARTZ and HEMATITE grades back into DACITE/ANDESITE LAPILLI TUFF			25945 (24.6-35.8m)	9	6	220	0.3	<math>\leq 10</math>

# LORNE MINING CORPORATION LTD. — DIAMOND DRILL LOG

HOLE: 84-4  
Page 2 of 2

PROPERTY: BIGFOOT      NTS: 92H/5W      DEPTH: 77.9m      DIP: VERTICAL      BEARING: 000  
 Total Recovery: 100 %      Core Size: NQ      LATITUDE: 24m Brg 090 from BL 625W      DEPARTURE:      COLLAR ELEV.: 228.1m  
 COLLARED: MARCH 23 1984      COMPLETED: MARCH 24 1984      LOGGED BY: M L SERACK

C.	INTERVAL	ROCK TYPE / ALTERATION	MINERALIZATION / STRUCTURE	Est. % Sulfides	SAMPLE NUMBER	ASSAYS								
						Cu	Pb	Zn	Ag	Au-AA				
L2 + L3	35.8- 77.9m	DACITE/ANDESITE LAPILLI TUFF with 60% clasts. Greenish grey matrix with darker brownish sections, coarser sections at 38.5m, 45.8-46.1m Apparently grading downwards clasts become smaller after 48.8-49.1m and become more ghostlike - Matrix is bleached light grey green 48.5-53.6m. - Bleached altered zone at 55.2m 56.1-65.2m matrix becomes much darker clasts less ghostlike and more multilithic, coarser clastic units at 63.3-63.9m. 65.2-66.4m Bleached light green matrix with rounded more ghostlike fragments, the majority of which have been chloritized. 66.4-74.9m dark matrix with coarse clastic at 66.7-67.0m, 69.4m, 70.3m increasingly coarser clastics with depth; 7.5 cm clasts at 74.2m EPIDOTE on fractures at 72.0m.  Bleached zone 74.9m to light grey with CHLORITE fragments; fragments are flattened elongate so as to produce almost migmatitic texture. Apparent dip of elongation is at 60° to C-axis	42.4-43.6m - Gauge-fault breccia with QUARTZ cement in places; apparently healed breccia 46.1m, darker veinlets present.  1cm veinlet of PYRITE SPHALERITE at approx 3°-0° to C-axis showing offset fractures through vein at 55.6m.  HEMATITE SPHALERITE clast at 31.2m. Only trace fractures with very little QUARTZ CARBONATE healing.  68.5m, 12.5cm fault gauge with trace EPIDOTE. 69.7m fault gauge.  Vugs developed at 73.9m, some QUARTZ CALCITE impregnation at this point.		25946 (35.8-42.1m)	1	28	110	0.4	<10				
					25947 (42.1-45.8m)	17	625	1280	0.9	<10				
					25948 (45.8-48.8m)	8	31	100	0.6	<10				
					25949 (48.8-53.6m)	1	4	75	0.4	<10				
					25950 (53.6-56.7m)	1	7	73	0.4	<10				
					25951 (56.7-62.7m)	1	6	66	0.3	<10				
					25952 (62.7-65.2m)	1	2	57	0.2	<10				
					25953 (65.2-66.4m)	1	3	57	0.3	<10				
					25954 (66.4-71.8m)	1	3	57	0.3	<10				
					25955 (71.8-75.2m)	1	4	60	0.3	<10				
					25956 (75.2-77.3m)	1	8	68	0.5	<10				
					25957 (77.3-77.9m)	63	185	268	0.7	<10				
					F1	77.2m	ANDESITE DYKE dark green in colour uniform aphanitic	Vuggy textures, QUARTZ CARBONATE on fractures						
			END OF HOLE											

# LORNEX MINING CORPORATION LTD. — DIAMOND DRILL LOG

HOLE: 84-5  
Page 1 of 2

PROPERTY: BIGFOOT      NTS: 92H/5W      DEPTH: 92.7m      DIP: -45°      BEARING: 265°  
 Total Recovery: \_\_\_\_\_ %      Core Size: NQ      LATITUDE: Brg 85° for 40m to 750W + 150S      DEPARTURE: -42° @ 92.7m      COLLAR ELEV.: 242.4m  
 COLLARED: MARCH 25 1984      COMPLETED: MARCH 26 1984      LOGGED BY: M L SERACK

*MSL*

C.	INTERVAL	ROCK TYPE / ALTERATION	MINERALIZATION / STRUCTURE	Est. % Sulfides	SAMPLE NUMBER	ASSAYS						
						Cu	Pb	Zn	Ag	Au-AA		
	0.0- 9.7	OVERBURDEN										
F3 + F2	9.7-44.7	DACITE FELDSPAR PORPHYRY Grey green matrix with QUARTZ altered PHENOS 1-2mm size.  - Bleached grey white matrix 13.6 - 17.3m contains silicified sections, QUARTZ vein fracture filling PYRITE forms black veinlets - some FELDSPAR/CLAY rich veinlets.  - matrix is darker green ANDESITIC below bleached zone. grades within 4.6m into muddy brown matrix.	Trace PYRITE disseminated and on fracture surfaces, fractures at approximately 50° to C-axis.  HEMATITE CARBONATE on fracture surfaces below bleached zone.		25958 ( 9.7-13.3m) 25959 (13.3-14.6m) 25960 (14.6-16.1m) 25961 (16.1-17.1m) 25962 (31.8-34.2m) 25963 (36.7-40.3m) 25964 (40.3-40.9m)	22 16 10 16 4 140 62	27 3 3 26 1 275 53	13 139 167 153 61 500 282	0.1 0.2 0.1 0.2 0.1 0.3 0.4	10 ∠10 ∠10 ∠10 ∠10 10 ∠10		
		32.0-33.6m : 5-20cm red GRANITE bands with gradational contacts containing QUARTZ eyes; EPIDOTE HEMATITE AND CARBONATE on fracture surfaces. 41.2-41.7m : black matrix with reaction contact at 45° to C-axis, contains an occasional angular fragment of multilithic rock.	QUARTZ veins 2 directional, 2 phase showing offsets within altered pink phase both directions roughly 45-60° to C-axis.  3, 5cm felsic QUARTZ veins @ 60° to C-axis between 39.7 and 40m, also at 43.6-43.9m. Gouge breccia at 43.9m									
L2	44.7-45.2	ANDESITIC LAPILLI TUFF coarse clastics up to 10cm across sub-rounded to sub-angular multilithic showing clast within clast phenomena.	Two directional fracturing indicating post depositional movement within unit.									
T1	44.7-73.0	DACITE TUFF/PORPHYRY - Light grey green, uniform little structure. - QUARTZ CARBONATE vesicle filling or coarse crystal phase 60.9-61.2m, also at 64.6-65.2m, 69.7-73.0m	QUARTZ CARBONATE veinlet density 1 vein 1-4m/.6m at approx 20-45° to C-axis. 55.5-55.8m QUARTZ vein cutting rock has created alteration halo effect of wall rock for 12.5cm either side.	2-3% PYRITE disseminated trace CHALCOPYRITE disseminated	25965 (55.2-55.8m) 25966 (64.9-67.6m) 25967 (67.6-73.0m)	9 37 63	29 1 34	175 111 206	0.4 0.3 0.5	∠10 ∠10 ∠10		





# LORNE MINING CORPORATION LTD. — DIAMOND DRILL LOG

HOLE: 84-6  
Page 1 of 3

PROPERTY: BIGFOOT      NTS: 92H/5W      DEPTH: 92.7m      DIP: -60°      BEARING: 270°  
 Total Recovery: \_\_\_\_\_ %      Core Size: NQ      LATITUDE: 70m brg 15° from 875W 400S      DEPARTURE: -62° @ 92.7m      COLLAR ELEV.: 333m  
 .75m Stick up.      COLLARED: MARCH 30 1984      COMPLETED: APRIL 1 1984      LOGGED BY: M L SERACK

C.	INTERVAL	ROCK TYPE / ALTERATION	MINERALIZATION / STRUCTURE	Est. % Sulfides	SAMPLE NUMBER	ASSAYS				
						Cu	Pb	Zn	Ag	Au-AA
	0.0- 2.1	OVERBURDEN								
L2 + L3	2.1-21.8	DACITE LAPILLI TUFF Light blue grey to green grey matrix carrying 20% sub-rounded clasts 1-4cm in size; clasts have alteration veins. - rusty brown weathered ? SULPHIDES on fractures to 7.9m - clasts within clasts evident, also clasts being replaced. Deep blue green chert replacing (?) clasts. - clay alteration randomly distributed throughout. - clasts are more closely packed 14.9m downward. - matrix becomes progressively lighter 17.6-21.2m	White QUARTZ CARBONATE along hairline fractures and filling open spaces 3.9-4.6m, 7.9m, 11.5-12.1m, 12.4-12.7m. 12.1m gouge/fault breccia. 16.1m gouge/fault breccia sandy texture; fractures at 45-60° to C-axis.  21.2-21.8m gradational into ANDESITIC ? unit with EPIDOTE QUARTZ HEMATITE on crackle breccia surfaces; rock has bluish green cast with brown muddy bands at about 70° to C-axis.		25977 ( 2.1- 3.9m) 25978 ( 3.9- 7.1m) 25979 ( 7.1- 9.8m) 25980 ( 9.9-13.9m) 25981 (13.9-17.0m) 25982 (17.0-21.1m) 25983 (21.1-22.1m)	19 13 16 15 18 12 37	9 4 4 2 2 2 1	60 62 63 65 60 58 78	0.5 0.2 0.2 0.1 0.1 0.1 0.3	<10 <10 <10 <10 <10 <10 <10
T2 ?	21.8-22.1 22.1-22.7	GRADATIONAL LIGHT YELLOW-WHITE KAOLINIZED ANDESITE TO DACITE TUFF ? Contact gradational to sharp, yellow green clay unit to white unit with rusty band to pinkish grey to pink band. Top contact irregular at 45° to C-axis bottom 40° to C-axis, rusty HEMATITE on fractures.			25984 (22.1-22.7m)	47	2	105	0.2	<10
T1 or F3	22.7-25.8	Grey green to blue green ANDESITE TO DACITE TUFF with ? fine fragments or vesicles sub-round to round and less than 1mm in size. Bottom contact black and at 23° to C-axis at 25.8m, contact is irregular with unit below (DACITE LAPILLI TUFF) - shows sequence to be right side up	Abundant QUARTZ CARBONATE, tension gash fillings and open space fillings also some EPIDOTE and canary yellow mineral 23.9-24.2m, 24.9-25.5m		25985 (22.7-25.8m)	28	1	90	0.3	<10

*M L Serack*

# LORNEX MINING CORPORATION LTD. — DIAMOND DRILL LOG

HOLE: 84-6  
Page 2 of 3

PROPERTY: BIGFOOT      NTS: 92H/5W      DEPTH: 92.7m      DIP: -60°      BEARING: 270°  
Total Recovery: \_\_\_\_\_ %      Core Size: #Q      LATITUDE: 70m Brg 15° from 875W 400S      DEPARTURE: -62° @ 92.7m      COLLAR ELEV.: 333m  
COLLARED: MARCH 30 1984      COMPLETED: APRIL 1 1984      LOGGED BY: M L SERACK

C	INTERVAL	ROCK TYPE / ALTERATION	MINERALIZATION / STRUCTURE	Est. % Sulfides	SAMPLE NUMBER	ASSAYS						
						Cu	Pb	Zn	Ag	Au-AA		
L2	25.8-28.2	DACITE LAPILLI TUFF - multiaclastic round to angular fragments some HEMATITE rich fragments 40% close packed 1-3cm possibly up to 6cm appears to be a coarsening up, sequences going stratigraphically to fining up sequence. (Appears to be possibly a re-worked unit with clasts within clast texture). Clast boundaries are sharp.	Cut by tension gashes and fractures showing multi-directional fracturing and movement cutting clasts. Fractures contain QUARTZ plus canary yellow mineral.		25986 (25.8-28.2m)	20	6	58	0.1	< 10		
T1	28.2-34.1	ANDESITIC-DACITIC TUFF Blue green to dark almost black, has sandy to grainy appearance in places.	CARBONATE and canary yellow mineral plus QUARTZ along fractures 29.1-30.0m reminiscent of stylonites.		25987 (28.2-31.2m) 25988 (31.2-34.1m) 25989 (34.1-35.2m)	52 55 41	1 1 1	83 93 70	0.2 0.3 0.1	< 10 < 10 < 10		
L4	34.1-36.1	DARK LAPILLI TUFF Fragments similar in composition to matrix interfingering with ANDESITE TUFF	Some QUARTZ CARBONATE space filling. Abundant fractures with yellow minerals, clay minerals and QUARTZ.		25990 (35.2-38.2m) 25991 (38.2-41.2m) 25992 (41.2-44.2m)	12 19 12	4 4 3	53 50 54	0.1 0.1 0.1	< 10 < 10 < 10		
L4	36.1-65.5	DARK LAPILLI TUFF Rounded clasts up to 15cm in size similar in composition to matrix. Some fragments altered, bleached sections occur; 36.4-38.2m, 39.1-39.4m, 40.6-41.2m, 49.4-50.3m, 63.9-64.6m fine grained unit interbedded.	Shows evidence of multiple episodes of brecciation and alteration. (healed gouge and crackle breccia), fractures at 60-80° to C-axis and at least two stages. ? Fault 43.0m. EPIDOTE and blue green mineral developed more with depth. Fractures also start swinging to 20° to C-axis with depth, fractures almost non-existent last 6.1m, previous fracture/veinlet density 5-10/.3m interval. 49.4m HEMATITE or blood red jasperoid with QUARTZ veining on fracture 2.5cm.		25993 (44.2-47.3m) 25994 (47.3-49.3m) 25995 (49.3-50.0m) 25996 (50.0-53.0m) 25997 (53.0-56.4m) 25998 (56.4-59.4m) 25999 (59.4-62.4m) 26000 (62.4-65.5m)	12 11 11 12 12 11 11	1 1 1 1 1 1 1	54 50 44 48 52 55 48 48	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	< 10 < 10 < 10 < 10 < 10 < 10 < 10 < 10		



# LORNEX MINING CORPORATION LTD. — DIAMOND DRILL LOG

HOLE: 84-7  
Page 1 of 4

PROPERTY: B1GFOOT      NTS: 92H/5W      DEPTH: 92.7m      DIP: -60°      BEARING: 260°  
 Total Recovery: \_\_\_\_\_ %      Core Size: NQ      LATITUDE: 143m brg 207° from 875W 400S      DEPARTURE: -59° @ 92.7m      COLLAR ELEV.: 363.6m  
 COLLARED: MARCH 31 1984      COMPLETED: APRIL 1 1984      LOGGED BY: M L SERACK

*M. L. Serack*

C	INTERVAL	ROCK TYPE / ALTERATION	MINERALIZATION / STRUCTURE	Est. % Sulfides	SAMPLE NUMBER	ASSAYS						
						Cu	Pb	Zn	Ag	Au-AA		
	0.0-13.9	OVERBURDEN										
F5	13.9-30.3	Dark green ANDESITE/DACITE TUFF - very fine grained dense matrix zones of abundant QUARTZ CARBONATE clasts - vesicle fillings 13.9-16.7m, 23.3-24.6m. 24.6-25.8m contains dark blue-grey silica rich highly fractured rock ending in a "bleached" mottled green-brown-black breccia of tuff.	Contact at base - 40° ⊥ to C-axis and irregular.  Contacts both contain large rounded clasts.		25686 (13.9-19.7m) 25687 (19.7-24.6m) 25688 (14.6-26.1m) 25689 (26.1-29.7m) 25690 (29.7-31.1m)	70 70 11 75 25	1 1 5 1 4	72 72 45 90 73	0.1 0.1 0.1 0.1 0.1	<10 <10 <10 <10 <10		
L2	30.3-31.8	Dark grey to black DACITE LAPILLI TUFF - multilithic close packed sub-angular fragments 1mm - 1cm, graded in coarsening upward sequence for top 60cm (3 sections) and a fining up for remainder.	Contacts irregular at top and base. One sharp contact 31.2m possibly a 5 cm thick dyke at 23° ⊥ to C-axis.		25691 (31.1-34.4m)	50	1	74	0.1	<10		
T1	31.8-34.2	Dark Green ANDESITE/DACITE TUFF - grades or alters to a muddy brown unit (alteration).										
T1	34.2-34.4	FINE DACITE LAPILLI TUFF - all fragments < 4mm angular to sub-round.	Contact is at - 30° ⊥ to C-axis.									
M2	34.4-42.0	TUFFACEOUS-MUDSTONE - dark mottled grey to black fine grained rock extremely dense, has volcanic component and some interbeds of volcanic materials, i.e. 41.2-41.7m. 37.3-37.6 possibly strong over print of metamorphism resulting in some separation of materials in places.	- QUARTZ (? Carbonate veining) 39.1-39.4m irregular breccia filling.  <i>so</i> Quartz rimmed shapes, possible pellets or fossils 40.3-41.2m		25692 (34.4-38.9m) 25693 (38.9-41.8m)	14 13	5 5	68 65	0.1 0.1	<10 <10		

# LORNE MINING CORPORATION LTD. — DIAMOND DRILL LOG

HOLE: 84.7  
Page 2 of 4

PROPERTY: B:GF00T      NTS: 92H/5W      DEPTH: 92.7m      DIP: -60°      BEARING: 260°  
 Total Recovery: \_\_\_\_\_ %      Core Size: NQ      LATITUDE: 143m brg 207° from 875W 400S      DEPARTURE: -59° @ 92.7m      COLLAR ELEV.: 363.6m  
 COLLARED: MARCH 31 1984      COMPLETED: APRIL 1 1984      LOGGED BY: M L SERACK

C	INTERVAL	ROCK TYPE / ALTERATION	MINERALIZATION / STRUCTURE	Est. % Sulfides	SAMPLE NUMBER	ASSAYS						
						Cu	Pb	Zn	Ag	Au-AA		
S1	42.0-42.6	DACITE TUFF to LAPILLI TUFF Many fine inter-bands cut core 30-40° to C-axis, fragments generally less than 1cm and sub-rounded to sub-angular.	- Bedding shows post depositional micro-faults of this unit and adjoining units.		25694 (41.8-42.6m)	10	4	62	0.1	<10		
M2	42.6-65.2	TUFFACEOUS MUDSTONE - interbedded as described above. Rusty alteration on fractures 59.1-65.2m.	Random hairline QUARTZ veins 1/3.0m, increasing in density in some places. Two directions of fracture.		25695 (42.6-46.2m) 25696 (46.2-47.3m) 25697 (47.3-50.3m) 25698 (50.3-53.3m) 25699 (53.3-56.4m) 25700 (56.4-59.1m) 25701 (59.1-61.5m) 25702 (61.5-63.9m) 25703 (63.9-65.2m)	16 16 19 16 17 17 15 16 14	5 5 4 5 6 6 4 5 5	68 75 63 62 71 62 60 58 60	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	<10 <10 <10 <10 <10 <10 <10 <10 <10		
S1	65.2-65.8	Interbed of DACITIC TUFF - 1mm or less, angular close packed shards.	Vuggy rusty texture @ 65.8m and bottom. Contacts irregular and rusty.		25704 (65.2-66.1m)	9	5	46	0.1	<10		
M1	65.8-66.4	BLACK MUDSTONE										
M4	66.4-71.4	MULTILITHIC CONGLOMERATE/BRECCIA FINING UP TO DACITIC LAPILLI TUFF TO TUFF. Basal and clasts 2.5-15cm round and angular with interstices filled with mudstone, some clasts highly altered to FELDSPAR CLAY SERECITE assemblage imbedded in black mudstone assemblage - yellow alteration present here. 69.4-71.4 Rhyolitic type dyke or large clast (clean contacts 70.0-70.3m) light greenish grey with 40% QUARTZ eye and FELDSPAR PHENOCRYSTS. Coarse unit topped by a quasi rusty contacts at 69.4m at 35° to C-axis. Med unit 66.7-69.4m, (.9m core missing in rusty section due to grinding)	68.5m fault gouge mud.		25705 (66.1-69.4m) 25706 (69.4-71.5m)	11 18	3 7	52 62	0.1 0.1	<10 <10		

# LORNEX MINING CORPORATION LTD. — DIAMOND DRILL LOG

HOLE: 84-7  
Page 3 of 4

PROPERTY: BIGFOOT      NTS: 92H/5W      DEPTH: 92.7m      DIP: -60°      BEARING: 260°  
 Total Recovery: \_\_\_\_\_ %      Core Size: NQ      LATITUDE: 143m brg 207° from 875W 4005      DEPARTURE: -59° @ 92.7m      COLLAR ELEV.: 353.6m  
 COLLARED: MARCH 31 1984      COMPLETED: APRIL 1 1984      LOGGED BY: M L SERACK

C.	INTERVAL	ROCK TYPE / ALTERATION	MINERALIZATION / STRUCTURE	Est. % Sulfides	SAMPLE NUMBER	ASSAYS					
						Cu	Pb	Zn	Ag	Au-AA	
	66.4-71.4 (cont)	- same mixture of clasts but 90% close packed and predominantly more angular, all less than 1 cm diameter. - grade through rusty contact into fine unit.  66.4-66.7 approximately 143 depositional layers of ash tuff to fine fragmental tuff as determined by darker fine bands deemed end of deposition or hiatus bands vary in thickness from 1-2mm to 1 cm. - coarse 7.5cm at 65.2m appears gradational - average grain size is 2mm.									
M1	71.4-87.9	BLACK MUDSTONE poorly cohesive, highly fractured, almost to gouge, occasional fine volcanic (DACITIC TUFF), interbedded and intermixed with mudstone (76.7m, and 77.9-78.5m), bottom contacts irregular, top contacts hazy gradational. - alteration indicated with emplacement in whisping or wicking structures (tr-1% PYRITE) 81.8-83.0m DACITIC TUFF fine to medium grained grading and intermixing with depth into black mudstone, top contact at 60°   C-axis, 13 bands in top 7.5cm discerned.	Abundant QUARTZ (? carbonate), clay along fractures and vuggy fillings ± yellowish alteration mineral. Fault gouge 71.8-74.6m, 75.5-75.8m.  84.6-87.9 Fault gouged zone of sandy DACITIC TUFFS interbedded with black MUDSTONE. - Faint bedding disturbed. 84.6-84.9 DACITIC SAND basal contact at 70°   to C-axis, .6m MUDSTONE band same basal contact. - 3, 5cm DACITIC unit basal contact at 23°   to C-axis. - 5cm black MUDSTONE band contact - 15°   to C-axis - 15cm DACITIC unit same basal contact. - 12.5cm MUDSTONE with basal contact steep at 70°   to C-axis. - 12.5cm DACITIC unit basal contact 30°   to C-axis opposite direction.		25707 (71.5-76.7m) 23 25708 (76.7-78.5m) 18 25709 (78.5-82.1m) 16 25710 (82.1-83.0m) 10 25711 (83.0-84.6m) 13 25712 (84.6-86.7m) 13 25713 (86.7-90.9m) 18	18 8 7 3 10 12 14	78 63 60 63 66 70 73	0.1 0.1 0.1 0.1 0.1 0.1 0.1	<10 <10 <10 <10 <10 <10 <10		





# LORNE MINING CORPORATION LTD. — DIAMOND DRILL LOG

HOLE: 84-8  
Page 1 of 4

PROPERTY: BIGFOOT

NTS: 92H/5W

DEPTH: 93.0m

DIP: -60°

BEARING: 116°

Total Recovery: \_\_\_\_\_ %

Core Size: NQ

LATITUDE: 64m brg 26° from  
625E 2150S

DEPARTURE: -62° @ 93.0m

COLLAR ELEV.: 227.3m

.3m Stick up

COLLARED: APRIL 2 1984

COMPLETED: APRIL 6 1984

LOGGED BY: M L SERACK

*M. Serack*

C	INTERVAL	ROCK TYPE / ALTERATION	MINERALIZATION / STRUCTURE	Est. % Sulfides	SAMPLE NUMBER	ASSAYS				
						Cr	Fb	Zn	Ag	Au-AA
	0.0- 5.2	OVERBURDEN								
L2	5.2- 5.5	LAPILLI TUFF (DACITE-ANDESITE) Dark blue green matrix containing 20% clasts altered to EPIDOTE and SILICA; clasts are sub-rounded and boundaries are hazy.			25715 ( 5.2- 8.2m)	135	26	90	1.4	<10
S1	5.5-13.5	VOLCANIC SANDSTONES AND TUFFACEOUS SEDIMENTS - fining upward sequence of DACITIC to ANDESITIC grey to green, fine shards generally angular, darker bands mark hiatus ? fine clasts 2mm altered to EPIDOTE SERECITE. - EPIDOTE vein with PYRITE replaced clast (2.5cm) at 5.8m. - coarse rounded clasts at 8.2-8.8m. - EPIDOTE band at 8.8m, 2.5cm PYRITE + SPHALERITE ? - EPIDOTE band 12.4m for 7.5cm. - EPIDOTE replacement of clasts 15cm at 13.3m	Erosional/depositional boundaries at 6.4m Bedding shows post depositional micro- fractures. - some bands marked by muddier matrix. - fine beds 2mm - .6m		25716 ( 8.2- 8.8m) 25717 ( 8.8-13.5m)	670 52	4 3	1180 85	1.4 0.1	<10 <10
L2	13.5-17.9	ALTERED LAPILLI TUFF - replacement of clasts (sub-round 2.5-7.5 cm) with CLAY SILICA ± EPIDOTE and trace PYRITE.	14.9m cubic disseminated PYRITE in EPIDOTE altered band 7.5cm thick. 17.4m, 5cm MUDSTONE band.		75718 (13.5-15.5m) 75719 (15.5-17.0m)	62 92	4 2	98 95	0.1 0.1	<10 <10

# LORNEX MINING CORPORATION LTD. — DIAMOND DRILL LOG

HOLE: 84-8  
Page 2 of 4

PROPERTY: BIGFOOT      NTS: 92H/5W      DEPTH: 93.0m      DIP: -60°      BEARING: 116°  
Total Recovery: \_\_\_\_\_ %      Core Size: NQ      LATITUDE: 64m bg 26° from      DEPARTURE:      COLLAR ELEV.: 227.3m  
625E 2150S  
COLLARED: APRIL 2 1984      COMPLETED: APRIL 5 1984      LOGGED BY: M L SERACK

C	INTERVAL	ROCK TYPE / ALTERATION	MINERALIZATION / STRUCTURE	Est. % Sulfides	SAMPLE NUMBER	ASSAYS						
						Cu	Pb	Zn	Ag	Au-AA		
M2	17.9-26.4	INTERBEDDED VOLCANIC SEDIMENT TUFFS AND FINE MUDSTONE BANDS: - matrix very fine grained to 3mm in size - clasts altered to canary yellow mineral. - canary yellow blebs at 18.2m - matrix generally buff to green. - depositional units from 2mm to .3m generally in fining up sequence.	Post depositional microfaulting evident in bedding.		25720 (17.0-20.6m) 25721 (20.6-22.1m) 25722 (22.1-25.8m)	39 46 89	1 2 3	168 173 190	0.1 0.1 0.1	<10 <10 <10		
M2 + M1	26.4-32.3	MUDSTONE INTERBEDS - get thicker and predominate over DACITIC TUFFACEOUS SEDIMENTS.			25723 (25.8-30.3m)	36	6	430	0.1	<10		
L4	32.3-33.6	ALTERED DACITIC LAPILLI TUFF - ghost fragments of similar lithology (sub-rounded to angular) to matrix. - minor EPIDOTE alteration, CHLORITE evident. - ? fining up sequence.	Basal contact at 70°   to C-axis.		25724 (30.3-33.3m) 25725 (33.3-36.1m)	24 19	12 6	425 95	0.1 0.1	<10 <10		
T1	33.6-38.5	DACITE TUFF Grey green with elongated blebs of EPIDOTE cutting a plane 60-70°   to C-axis - PYRITE associated with EPIDOTE ± SPHALERITE.	Brecciated EPIDOTE QUARTZ healed "unit" 37.0-37.4m. Irregular contact of breccia pushed up into unit 37.9-38.5m - multilithic with EPIDOTE alteration. - basal contact is at 23°   C-axis.		25726 (36.1-37.8m)	44	2	160	0.1	<10		
T1	38.5-40.9	AUTO BRECCIA - DACITIC TUFF OF FLOW - clasts sub-angular relatively in place surrounded and corners rounded by EPIDOTE veining (15% EPIDOTE)	PYRITE associated with EPIDOTE QUARTZ CARBONATE veining and replacement.	2% PYRITE	25727 (37.8-41.2m)	44	2	150	0.1	<10		

# LORNEX MINING CORPORATION LTD. — DIAMOND DRILL LOG

HOLE: 84-8  
Page 3 of 4

PROPERTY: BIGFOOT      NTS: 92H/5W      DEPTH: 93.0m      DIP: -60°      BEARING: 116°  
 Total Recovery: \_\_\_\_\_ %      Core Size: NQ      LATITUDE: 64m brg 26° from 625E 2150S      DEPARTURE: -62° @ 93.0m      COLLAR ELEV.: 227.3m  
 COLLARED: APRIL 2 1984      COMPLETED: APRIL 6 1984      LOGGED BY: M L SERACK

C	INTERVAL	ROCK TYPE / ALTERATION	MINERALIZATION / STRUCTURE	Est. % Sulfides	SAMPLE NUMBER	ASSAYS						
						Cu	Pb	Zn	Ag	Au-AA		
T1	40.9-46.7	DACITIC TUFF as above.		2-5% PYRITE	25728 (41.2-42.1m) 25729 (42.1-43.6m) 25730 (43.6-46.7m)	700 50 30	10 3 2	310 85 95	1.7 0.1 0.1	<10 <10 <10		
T1 → L4	46.7-65.8	"AUTO BRECCIA" - as above but more rounded and appears more rotated - less EPIDOTE and alteration down section less altered 49.4-51.2m, more EPIDOTE for remainder, fragments become more ghost like except where clast within 7.5cm clasts are observed where EPIDOTE alteration rims clasts.	PYRITE with EPIDOTE QUARTZ CARBONATE open space filling.		25731 (46.7-49.4m) 25732 (49.4-53.6m) 25733 (53.6-57.0m) 25734 (57.0-58.8m) 25735 (58.8-62.7m) 25736 (62.7-65.8m)	92 43 59 575 60 68	22 2 1 6 1 1	250 90 110 990 130 93	0.1 0.1 0.1 0.1 0.1 0.1	<10 <10 <10 <10 <10 <10		
		Dark zone more ANDESITIC .76m, 57.2-57.3m - EPIDOTE is strongly veined for .6m below contact  - bleached zone at 61.5m - black argillaceous band at 60.3m.  - grades into coarser fragmental unit 67.0m through clasts 15cm-60cm in size (contains black shards).	Contains 2.5cm thick banded QUARTZ CARBONATE vein bearing HEMATITE and light blue mineral at top contact. - stringer QUARTZ vein at base shows alteration of wall rock.	5% PYRITE BLEBS								
L4	65.8-78.5	LAPILLI TUFF DARK GREEN BASICALLY AUTO CLASTIC WITH THE ODD VARIING LITHOLOGY - abundantly EPIDOTE altered and replacement of clasts with EPIDOTE PYRITE QUARTZ CARBONATE, angular auto breccia at 78.2-78.6m. - HEMATITE pink FELDSPAR rich band last 60cm grading into pale greenish-pink unit.			25737 (65.8-68.2m) 25738 (68.2-72.4m) 25739 (72.4-74.9m) 25740 (74.9-78.2m)	79 19 44 68	26 5 1 1	640 105 90 82	1.4 0.1 0.1 0.1	<10 <10 <10 <10		

# LORNE MINING CORPORATION LTD. — DIAMOND DRILL LOG

HOLE: 84-8  
Page 4 of 4

PROPERTY: BIGFOOT

NTS: 92H/5W

DEPTH: 93.0m

DIP: -60°

BEARING: 116°

Total Recovery: \_\_\_\_\_ %

Core Size: NQ

LATITUDE: 64m brg 26° from  
625E 2150S

DEPARTURE: -52° @ 93.0m

COLLAR ELEV.: 227.3m

COLLARED: APRIL 2 1984

COMPLETED: APRIL 5 1984

LOGGED BY: M L SERACK

C	INTERVAL	ROCK TYPE / ALTERATION	MINERALIZATION / STRUCTURE	Est. % Sulfides	SAMPLE NUMBER	ASSAYS				
						Cu	Pb	Zn	Ag	Au-AA
T2	78.5-83.8	DACITIC TO RHYOLITIC TUFF - light apple green to grey, contains SERECITE but silicified (very hard drilling) has porcelain appearance. - contains blebs of pink FELDSPAR which appears as if clasts - grades through upper dark green contact.	May be highly altered fragmental. 79.7-80.3m has vuggy texture PYRITE occurs as rounded blebs.	2-5% PYRITE ? free gold	25741 (78.2-79.4m)	110	1	175	0.1	<10
					25742 (79.4-81.2m)	6	7	37	* 0.01	20.003
					25743 (81.2-83.8m)	6	6	25	* 0.01	20.003
T1	83.8-83.9	Dark grey DACITE TUFF - fine grained APHENITIC medium grey	Massive uniform very fine grained disseminated PYRITE cubes.	15% PYRITE	25744 (83.8-84.2m)	6	10	29	* 0.01	20.003
T2 or F3	83.9-91.5	ALTERED LAPILLI TUFF ? or DACITIC TO RHYOLITIC TUFF Mottled pink grey and apple green, contains blebs of CHLORITE, contains white 1-3mm cubic to sub-round PHENOCRYSTS or replaced shards 15-20%	Fault gouge 88.8m	2-5% PYRITE in blebs ? free gold	25745 (84.2-87.0m)	5	10	17	* 0.04	20.003
					25746 (87.0-90.0m)	7	14	20	* 0.02	20.003
					25747 (90.0-91.5m)	6	18	24	* 0.01	20.003
					25748 (91.5-92.1m)	5	8	39	* 0.01	20.003
T1	91.5-92.5	DARK DACITIC TUFF as above								
T2 or F3	92.5-93.0	ALTERED LAPILLI TUFF as above, abundant SILICA injection.		15% gold PYRITE fractures and disseminated	25749 (92.1-93.0m)	11	375	32	* 0.01	20.003
END OF HOLE										



# LORNEX MINING CORPORATION LTD. — DIAMOND DRILL LOG

HOLE: 84-9  
Page 2 of 3

PROPERTY: BIGFOOT      NTS: 92H/5W      DEPTH: 32.4m      DIP: VERTICAL      BEARING:  
Total Recovery: \_\_\_\_\_ %      Core Size: NQ      LATITUDE: 243m brg 22° from 625E 2150S      DEPARTURE:      COLLAR ELEV.: 239.4m  
COLLARED: APRIL 8 1984      COMPLETED: APRIL 9 1984      LOGGED BY: M L SERACK

C	INTERVAL	ROCK TYPE / ALTERATION	MINERALIZATION / STRUCTURE	Est. % Sulfides	SAMPLE NUMBER	ASSAYS					
						Cu	Pb	Zn	Ag	Au-AA	
T2	16.4- 16.8	TUFFACEOUS INTER BEDS - dark blue-grey band of 15cm with fining up sequence - 2 cm grey band. - 7.5cm canary yellow altered, white "rhyolitic band" - 5 cm pale green band, (EPIDOTE altered) - 10 cm white rhyolitic with large PYRITE blebs.	Microfaulting Contacts at 15°   C-axis within units. Upper and lower contacts gradational.								
L2	16.8- 21.5	ANDESITE/DACITE LAPILLI TUFF - blue green matrix strongly altering to EPIDOTE. - EPIDOTE veining and EPIDOTE sercite replacements of clasts. - large coarse clastic unit clasts up to 15cm diameter sub-angular to sub-round 18.8-21.2m large amount of EPIDOTE injection and clast replacement.	Trace QUARTZ CARBONATE veining.  2% disseminated PYRITE associated with EPIDOTE.		25757 (17.1-20.3m) 25758 (20.3-22.4m)	51 39	3 1	128 43	0.2 0.3	<10 <10	
T2	21.5- 23.5	RHYOLITIC - DACITIC TUFFS - white grey green fine grained. - occasional dark black glass shards altered fragments. - coarse multilithic fragmental contacts 30-40°   C-axis 22.1-23.3m interbedded with above fragments are angular and all less than 1 cm.			25759 (22.4-23.5m)	15	1	28	0.2	<10	
L4	23.5- 32.4	ANDESITE/DACITE LAPILLI TUFF - dark blue green with EPIDOTE replacing clasts. - unit is poorly sorted with clasts ranging from mm - 10 cm, round to angular but generally of same composition as matrix.	- abundant QUARTZ-CARBONATE open space filling 23.5-23.9, 24.6-24.9. - vein filling QUARTZ CARBONATE 2 directions 26.1-26.4m		25760 (23.5-26.4m) 25761 (26.4-29.3m) 25762 (29.3-31.2m)	47 41 43	1 1 1	88 85 88	0.2 0.3 0.3	<10 <10 <10	



# LORNE MINING CORPORATION LTD. — DIAMOND DRILL LOG

HOLE: 84-10  
Page 1 of 1

PROPERTY: BIGFOOT      NTS: 92H/5W      DEPTH: 32.7m      DIP: VERTICAL      BEARING: \_\_\_\_\_  
 Total Recovery: \_\_\_\_\_ %      Core Size: \_\_\_\_\_      LATITUDE: 57m brg 126° from 00 150N      DEPARTURE: \_\_\_\_\_      COLLAR ELEV.: 174.2m  
 22.5cm stick up      COLLARED: APRIL 4 1984      COMPLETED: APRIL 5 1984      LOGGED BY: M L SERACK *M Serack*

C	INTERVAL	ROCK TYPE / ALTERATION	MINERALIZATION / STRUCTURE	Est. % Sulfides	SAMPLE NUMBER	ASSAYS						
	0.0- 4.2	OVERBURDEN										
F5	4.2- 4.6	DARK BLUE GREEN ANDESITE - with 1-2mm round ? vesicles filled with light blue grey QUARTZ FELDSPAR (10-15%)	Basal contact at 35° ⊥ C-axis		25763 ( 4.2- 4.6m)	14	20	90	0.3	10		
T2	4.6- 6.1	DACITE TO RHYOLITE TUFF - siliceous white to light grey with darker grey streaks (Probably sulphides) (possible remobilization seen in whisping texture)	5-10% PYRITE light yellow disseminated	5-10% PYRITE	25764 ( 4.6- 6.1m)	8	26	75	0.6	10		
L5	6.1-30.0	LIGHT TO MEDIUM GREY LAPILLI DACITIC TUFF - coarse rounded bed 13.8-13.9m - most lapilli ghostlike and similar in composition to matrix. - EPIDOTE on fractures. - PYRITE replaces some clasts.	2-3% disseminated PYRITE PYRITE on fracture 10.6m CHALCOPYRITE, SPHALERITE, 5mm veinlet 12.7m - fault gouge 13.9-14.6m healed and containing QUARTZ CARBONATE and up to 10% PYRITE locally disseminated. - abundant PYRITE, trace CHALCOPYRITE, SPHALERITE 24.6m  25.2-26.1m - veinlets of coarse CHALCOPYRITE ± GALENA and black SPHALERITE - veinlets cut core 70° ⊥ C-axis. 27.6m - vuggy texture with QUARTZ infilling also fragments replaced with PYRITE. 29.7m remobilized band.	10% PYRITE, trace CHALCOPYRITE, trace SPHALERITE	25765 ( 6.1- 8.5m) 25766 ( 8.5-10.6m) 25767 (10.6-13.6m) 25768 (13.6-17.0m) 25769 (17.0-20.3m) 25770 (20.3-23.6m) 25771 (23.6-24.9m) 25772 (24.9-26.4m) 25773 (26.4-27.6m) 25774 (27.6-29.1m) 25775 (29.1-30.0m)	7 6 74 19 55 34 0.01* 0.14* 0.02* 15 48	15 8 6 18 28 41 0.01* 0.01* 0.01* 8 6	70 105 440 98 180 170 0.16* 0.13* 0.03* 350 340	0.4 0.2 0.5 0.6 0.7 0.2 0.04* 0.20* 0.10* 0.1 0.1	<10 <10 <10 <10 <10 <10 0.003* 0.003* 0.003* <10 <10		
T1	30.0-32.7m	DACITE TUFF - contact gradational with above unit - may be fine lapilli of 1mm or less in size - close packed white, giving the appearance of rounded phenos; matrix aphenitic grey-green.	1% disseminated PYRITE - crushed rock - fault gouge 32.6-32.7m		25776 (30.0-32.7m)	34	24	330	0.1	<10		
END OF HOLE												



# LORNE MINING CORPORATION LTD. — DIAMOND DRILL LOG

HOLE: 84-11  
Page 1 of 2

PROPERTY: BIGFOOT      NTS: 92H/5W      DEPTH: 29.7m      DIP: VERTICAL      BEARING:  
Total Recovery: \_\_\_\_\_ %      Core Size: NQ      LATITUDE: 106m brg 121° from      DEPARTURE:      COLLAR ELEV.: 151.7m  
0m stick up - no casing.      COLLARED: APRIL 6 1984      COMPLETED: APRIL 7 1984      LOGGED BY: M L SERACK

*M. Serack*

C	INTERVAL	ROCK TYPE / ALTERATION	MINERALIZATION / STRUCTURE	Est. % Sulfides	SAMPLE NUMBER	ASSAYS				
						Cu	Pb	Zn	Ag	Au-AA
	0.0- 0.3	OVERBURDEN								
L2 L3	0.3-15.8	DACITE LAPILLI TUFF Light grey aphenitic matrix containing 10-15% angular to sub-rounded fragments of composition similar to the matrix. - some blue green chert "fragments" with altered wispy texture. - occasional replacement of some clasts by black mineral.	- trace disseminated PYRITE also long fractures at 5.2m - partial replacement of some fragments with PYRITE - CHALCOPYRITE, PYRITE, SPHALERITE ± GALENA vein 1cm thick, irregular running approximately parallel to C-axis 13.9-14.2, also 1cm at 14.9m for 10cm at 60° C-axis. - 2.5cm irregular blebs of SPHALERITE GALENA at 15.2m with veinlet at 20° C-axis.	4% COPPER .5% ZINC .1% LEAD	25777 ( 0.6- 6.1m) 25778 ( 6.1-10.0m) 25779 (10.0-13.6m) 25780 (13.6-16.1m)	34 68 68 0.03*	88 170 150 0.01*	760 730 750 0.33*	0.7 0.1 0.1 0.06*	<10 <10 <10 0.003*
T1	15.8-19.4	FINE GRAINED DACITIC TUFF, light grey to dark blue grey aphenitic sugary matrix. - may contain odd angular lapilli especially near base where up to 2% ghostlike 1cm sub-rounded clasts are evident.	2% PYRITE disseminated throughout. - black styalite ? SPHALERITE - 1cm vein plus cross veinlets apparently cementing crackle breccia, 16.4-17.3m contains cubic PYRITE ± SPHALERITE, CHALCOPYRITE. - siliceous ± carbonate bands at 19.1 and 19.4m	.25% COPPER .30% ZINC	25781 (16.1-19.1m)	0.01*	0.01*	0.20*	0.12*	<0.003
L4	19.4-19.7	DACITE LAPILLI TUFF - close packed coarse fragmental. - angular to sub-rounded monolithic clasts	2% PYRITE as veinlets and sub-rounding clasts.		25782 (19.1-20.6m)	15	22	530	0.9	<10



# LORNE MINING CORPORATION LTD. — DIAMOND DRILL LOG

HOLE: 84-12  
Page 1 of 2

PROPERTY: BIGFOOT      NTS: 92H/5W      DEPTH: 34.2m      DIP: VERTICAL      BEARING:  
Total Recovery: \_\_\_\_\_ %      Core Size: NQ      LATITUDE: 174m brg 117° from      DEPARTURE:      COLLAR ELEV.: 151.2m  
7.5 cm Stick up      COLLARED: APRIL 7 1984      COMPLETED: APRIL 01 1984      LOGGED BY: M. L. SERACK

C.	INTERVAL	ROCK TYPE / ALTERATION	MINERALIZATION / STRUCTURE	Est. % Sulfides	SAMPLE NUMBER	ASSAYS				
						Cu	Pb	Zn	Ag	Au-AA
	0.0- 7.6	OVERBURDEN								
T1	7.6- 7.7	PALE GREEN DACITE TUFF								
F5	7.7- 9.7	ANDESITE TUFF OR FLOW - rounded 1-3mm "vesicles" or fragments filled with QUARTZ FEDLSPAR 40-70% close packed set in dark blue green matrix. - altered matrix and "vesicles" to EPIDOTE + canary yellow mineral (some filling tension gashes) 15% (7.7-8.5m) - matrix more grey blue below altered zone.	Irregular basal contact through "muddy" fine grained tuffaceous band with trace- 3% very fine grained disseminated PYRITE.		25787 ( 7.6- 9.7m)	42	20	198	1.1	<10
L5	9.7- 9.8m	DACITE LAPILLI TUFF - coarse clasts 5 cm fining upwards.	Basal contact by tuff at 20° ⊥ C-axis.							
L2 or L5 + L3	9.8-34.2	ALTERED DACITE LAPILLI TUFF - most clast boundaries obliterated but appears to have been multilithic with angular to sub-rounded clasts 1cm or less diameter and 15% of rock. - abundant stretched (elongated) cherty green "clasts"; angle of orientation 45° ⊥ C-axis. - less altered from 11.5m  21.1m Clay band altering out 1cm thick	PYRITE replaces fragments also possibly SPHALERITE in black to brown colour.  13.0-13.9m PYRITE, CHALCOPYRITE ± black SPHALERITE as vein and open space replacement  14.6-14.7m : 5-10cm band of SPHALERITE CHALCOPYRITE, PYRITE surrounding BRECCIA fragments.  15.3m : 1cm vein massive black SPHALERITE and CHALCOPYRITE  16.7m : 5cm band at 45° ⊥ C-axis SPHALERITE + CHALCOPYRITE + QUARTZ vein + wall rock replacement		25788 ( 9.7-13.0m)  25789 (13.0-14.6m)  25790 (14.6-16.1m)  25791 (16.1-17.6m) 25792 (17.6-19.1m) 25793 (19.1-22.1m) 25794 (22.1-25.2m)	44  0.03*  0.05*  0.07* 0.01* 51 12	110  0.01*  0.06*  0.01* 0.01* 20 10	300  0.06*  0.23*  0.10* 0.04* 455 163	0.2  0.38*  0.08*  0.10* 0.04* 0.3 0.2	<10  0.003*  0.003*  0.003* 0.003* <10 <10

*M. L. Serack*

# LORNE MINING CORPORATION LTD. — DIAMOND DRILL LOG

HOLE: 84-12  
Page 2 of 2

PROPERTY: BIGFOOT

NTS: 92H/5W

DEPTH: 34.2m

DIP: VERTICAL

BEARING:

Total Recovery: \_\_\_\_\_ %

Core Size:

LATITUDE: 174m brg 117° from  
Stn 00 + 150N

DEPARTURE:

COLLAR ELEV.: 151.2m

7.5 cm Stick up.

COLLARED: APRIL 7 1984

COMPLETED: APRIL 10 1984

LOGGED BY: M L SERACK

C	INTERVAL	ROCK TYPE / ALTERATION	MINERALIZATION / STRUCTURE	Est % Sulfides	SAMPLE NUMBER	ASSAYS				
						Cu	Pb	Zn	Ag	AU-AA
		26.4m : 7.cm EPIDOTE/CLAY altered band also at 27.9m	23.6m hairline QUARTZ fractures.		25795 (25.2-28.0m)	11	9	163	2.1	<10
		28.3m Angular 7.5cm clasts ? (sharp boundaries) altered to EPIDOTE CLAY assemblage.	24.9m fault gouge badly brecciated rock.		25796 (28.0-28.8m)	50	10	540	0.5	<10
		29.7-30.0m : hairline veining and open space filling with EPIDOTE brown clay minerals and QUARTZ.	25.5m QUARTZ CARBONATE ± SPHALERITE on fracture surface.							
		30.9-34.2m : Unit is much finer grained tuff with occasional clasts. Fractures are healed with PYRITE especially .3m section 31.7-32.0m	29.1-29.7m QUARTZ CARBONATE veining and clast replacement bearing SPHALERITE with colliform texture also CHALCOPYRITE and GALENA in minor amounts. Fracturing is sub-parallel to C-axis. - 2.5cm clast replaced by massive SPHALERITE ± GALENA - fine PYRITE on healed fractures giving them a dark grey colour at 45-60°   C-axis		25797 (28.8-31.2m)	0.01*	0.06*	0.13*	0.06*	0.003*
			32.7-32.9m : abundant hairline QUARTZ fractures 15-30°   C-axis.		25798 (31.2-32.7m)	8	18	80	0.5	<10
			33.9-34.2m hairline fractures in 3 directions healed with QUARTZ or PYRITE. - post healing slippage evidence.		25799 (32.7-34.2m)	30	27	118	0.2	<10
			END OF HOLE							

APPENDIX II



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: (604) 984-0221  
 TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : LORNEX MINING CORP. LTD.  
 ATTN: D.R. BUDINSKI, MGR. OF EXPL.  
 P. O. BOX 10335, STOCK EXCHANGE TOWER  
 STE 1650 - 609 GRANVILLE ST.  
 VANCOUVER, B.C. V7Y 1G5

CERT. # : A8411076-001-A  
 INVOICE # : I8411076  
 DATE : 2-APR-84  
 P.O. # : NONE  
 BIG FOOT

ATTN: M.L. SERACK

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	Ag ppm	AU-AA ppb	
25890	205	6	120	200	1.0	10	--
25891	205	17	26	99	0.4	<10	--
25892	205	31	14	122	0.3	<10	--
25893	205	28	6	152	0.3	<10	--
25894	205	24	8	205	0.3	<10	--
25895	205	5	2	120	0.2	<10	--
25896	205	12	1	170	0.2	<10	--
25897	205	8	2	130	0.1	<10	--
25898	205	14	15	230	0.2	<10	--
25899	205	21	1	116	0.3	<10	--
25902	205	26	5	188	0.3	<10	--
25903	205	370	290	1720	1.3	<10	--
25904	205	7	7	117	0.4	<10	--
25905	205	45	48	390	0.4	<10	--
25906	205	28	80	285	0.4	<10	--
25907	205	109	305	470	0.6	<10	--
25909	205	33	130	390	0.4	<10	--
25910	205	85	62	1120	0.5	40	--
25911	205	115	250	670	0.6	<10	--
25912	205	10	13	96	0.5	<10	--

# RECEIVED

APR - 4 1984

LORNEX - VANCOUVER



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

Certified by *Keith Bickler*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: (604) 984-0221  
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ASSAY

TO : LORNEX MINING CORP. LTD.  
 ATTN: D.R. BUDINSKI, MGR. OF EXPL.  
 P. O. BOX 10335, STOCK EXCHANGE TOWER  
 STE 1650 - 609 GRANVILLE ST.  
 VANCOUVER, B.C. V7Y 1G5

CERT. # : A8411253-001-A  
 INVOICE # : 18411253  
 DATE : 16-APR-84  
 P.O. # : NONE  
 BIGFOOT-3

ATTN: M.L. SERACK

Sample description	Prep code	Cu %	Pb %	Zn %	Ag FA oz/T	Au FA oz/T	
25926	207	0.08	<0.01	0.34	DELAYED	DELAYED	--
25927	207	<0.01	<0.01	0.07	DELAYED	DELAYED	--

*[Faint, illegible text]*

*[Handwritten signature]*

Registered Assayer, Province of British Columbia



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : LORNEX MINING CORP. LTD.  
ATTN: D.R. BUDINSKI, MGR. OF EXPL.  
P. O. BOX 10335, STOCK EXCHANGE TOWER  
STE 1650 - 609 GRANVILLE ST.  
VANCOUVER, B.C. V7Y 1G5

CERT. # : A8411376-001-A  
INVOICE # : I8411376  
DATE : 27-APR-84  
P.O. # : NONE  
BIGFOOT 7

ATTN: M.L. SERACK

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	Ag ppm	AU-AA ppb	
25686	205	70	1	72	0.1	<10	--
25687	205	70	1	72	0.1	<10	--
25688	205	11	5	45	0.1	<10	--
25689	205	75	1	90	0.1	<10	--
25690	205	25	4	73	0.1	<10	--
25691	205	50	1	74	0.1	<10	--
25692	205	14	5	68	0.1	<10	--
25693	205	13	5	65	0.1	<10	--
25694	205	10	4	62	0.1	<10	--
25695	205	16	5	68	0.1	<10	--
25696	205	16	5	75	0.1	<10	--
25697	205	19	4	63	0.1	<10	--
25698	205	16	5	62	0.1	<10	--
25699	205	17	6	71	0.1	<10	--
25700	205	17	6	62	0.1	<10	--
25701	205	15	4	60	0.1	<10	--
25702	205	16	5	58	0.1	<10	--
25703	205	14	5	60	0.1	<10	--
25704	205	9	5	46	0.1	<10	--
25705	205	11	3	52	0.1	<10	--
25706	205	18	7	62	0.1	<10	--
25707	205	23	18	78	0.1	<10	--
25708	205	18	8	63	0.1	<10	--
25709	205	16	7	60	0.1	<10	--
25710	205	10	3	63	0.1	<10	--
25711	205	13	10	66	0.1	<10	--
25712	205	13	12	70	0.1	<10	--
25713	205	18	14	73	0.1	<10	--
25714	205	18	7	58	0.1	<10	--



MEMBER  
CANADIAN TESTING  
ASSOCIATION

Certified by *Hart Bichler*





# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : LORNEX MINING CORP. LTD.  
ATTN: D.R. BUDINSKI, MGR. OF EXPL.  
P. O. BOX 10335, STOCK EXCHANGE TOWER  
STE 1650 - 609 GRANVILLE ST.  
VANCOUVER, B.C. V7Y 1G5

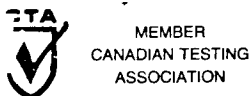
CERT. # : A8411377-001-A  
INVOICE # : 18411377  
DATE : 27-APR-84  
P.O. # : NONE  
BIGFOOT 8

ATTN: M.L. SERACK

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	Ag ppm	AU-AA ppb	
25715	205	135	26	90	1.4	<10	--
25716	205	670	4	1180	1.4	<10	--
25717	205	52	3	85	0.1	<10	--
25718	205	62	4	98	0.1	<10	--
25719	205	92	2	95	0.1	<10	--
25720	205	39	1	168	0.1	<10	--
25721	205	46	2	173	0.1	<10	--
25722	205	89	3	190	0.1	<10	--
25723	205	36	6	430	0.1	<10	--
25724	205	24	12	425	0.1	<10	--
25725	205	19	6	95	0.1	<10	--
25726	205	44	2	160	0.1	<10	--
25727	205	44	2	150	0.1	<10	--
25728	205	700	10	310	1.7	<10	--
25729	205	50	3	85	0.1	<10	--
25730	205	30	2	95	0.1	<10	--
25731	205	92	22	250	0.1	<10	--
25732	205	43	2	90	0.1	<10	--
25733	205	59	1	110	0.1	<10	--
25734	205	575	6	990	0.1	<10	--
25735	205	60	1	130	0.1	<10	--
25736	205	68	1	93	0.1	<10	--
25737	205	79	26	640	1.4	<10	--
25738	205	48	6	105	0.1	<10	--
25739	205	44	1	90	0.1	<10	--
25740	205	68	1	82	0.1	<10	--
25741	205	110	1	175	0.1	<10	--

*Hart Buchler*

Certified by .....



MEMBER  
CANADIAN TESTING  
ASSOCIATION



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : LORNEK MINING CORP. LTD.  
ATTN: D.R. BUDINSKI, MGR. OF EXPL.  
P. O. BOX 10335, STOCK EXCHANGE TOWER  
STE 1650 - 609 GRANVILLE ST.  
VANCOUVER, B.C. V7Y 1G5

CERT. # : A8411378-001-A  
INVOICE # : I8411378  
DATE : 30-APR-84  
P.O. # : NONE  
BIGFOOT 8

ATTN: M.L. SERACK

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm			
25742	207	6	7	37	--	--	--
25743	207	6	6	25	--	--	--
25744	207	6	10	29	--	--	--
25745	207	5	10	17	--	--	--
25746	207	7	14	20	--	--	--
25747	207	6	18	24	--	--	--
25748	207	5	8	39	--	--	--
25749	207	11	375	32	--	--	--

# RECEIVED

MAY - 1 1984

LORNEK - VANCOUVER



Certified by *Hart Bichler* .....



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ASSAY

TO : LORNE MINING CORP. LTD.  
ATTN: D.R. BUDINSKI, MGR. OF EXPL.  
P. O. BOX 10335, STOCK EXCHANGE TOWER  
STE 1650 - 609 GRANVILLE ST.  
VANCOUVER, B.C. V7Y 1G5

CERT. # : A8411378-001-A  
INVOICE # : I8411378  
DATE : 30-APR-84  
P.O. # : NONE  
BIGFOOT 8

ATTN: M.L. SERACK

Sample description	Prep code	Ag FA oz/T	Au FA oz/T				
25742	207	0.01	<0.003	--	--	--	--
25743	207	0.01	<0.003	--	--	--	--
25744	207	0.01	<0.003	--	--	--	--
25745	207	0.04	<0.003	--	--	--	--
25746	207	0.02	<0.003	--	--	--	--
25747	207	0.01	<0.003	--	--	--	--
25748	207	0.01	<0.003	--	--	--	--
25749	207	0.01	<0.003	--	--	--	--

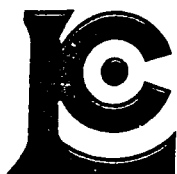
# RECEIVED

MAY 1984



MEMBER  
CANADIAN TESTING  
ASSOCIATION

*[Signature]*  
.....  
Registered Assayer, Province of British Columbia



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : LORNE MINING CORP. LTD.  
ATTN: D.R. BUDINSKI, MGR. OF EXPL.  
P. O. BOX 10335, STOCK EXCHANGE TOWER  
STE 1650 - 609 GRANVILLE ST.  
VANCOUVER, B.C. V7Y 1G5

CERT. # : A8411273-001-A  
INVOICE # : I8411273  
DATE : 13-APR-84  
P.O. # : NONE  
BIGFOOT-9

ATTN: M.L. SERACK

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	Ag ppm	AU-AA ppb	
25750	205	35	1	115	0.3	<10	--
25751	205	72	1	230	0.3	<10	--
25752	205	41	2	175	0.2	<10	--
25753	205	36	1	112	0.3	<10	--
25754	205	32	1	98	0.3	<10	--
25755	205	24	1	46	0.1	<10	--
25756	205	38	1	98	0.3	<10	--
25757	205	51	3	128	0.2	<10	--
25758	205	39	1	43	0.3	<10	--
25759	205	15	1	28	0.2	<10	--
25760	205	47	1	88	0.2	<10	--
25761	205	41	1	85	0.3	<10	--
25762	205	43	1	88	0.3	<10	--



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : LORNE X MINING CORP. LTD.  
ATTN: D.R. BUDINSKI, MGR. OF EXPL.  
P. O. BOX 10335, STOCK EXCHANGE TOWER  
STE 1650 - 609 GRANVILLE ST.  
VANCOUVER, B.C. V7Y 1G5

CERT. # : A8411373-001-A  
INVOICE # : I8411373  
DATE : 25-APR-84  
P.O. # : NONE  
BIGFOOT 10,11,12

ATTN: M.L. SERACK

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	Ag ppm	AU-AA ppb	
25763	205	14	20	90	0.3	10	--
25764	205	8	26	75	0.6	10	--
25765	205	7	15	70	0.4	<10	--
25766	205	6	8	105	0.2	<10	--
25767	205	74	6	440	0.5	<10	--
25768	205	19	18	98	0.6	<10	--
25769	205	55	28	180	0.7	<10	--
25770	205	34	41	170	0.2	<10	--
25774	205	15	8	350	0.1	<10	--
25775	205	48	6	340	0.1	<10	--
25776	205	34	24	330	0.1	<10	--
25777	205	34	88	760	0.1	<10	--
25778	205	68	170	730	0.1	<10	--
25779	205	68	160	750	0.1	<10	--
25782	205	15	22	530	0.9	<10	--
25783	205	10	11	176	0.1	<10	--
25784	205	36	10	110	0.1	<10	--
25785	205	10	11	85	0.1	<10	--
25786	205	12	3	72	0.1	<10	--
25787	205	42	20	198	1.1	<10	--
25788	205	44	110	300	0.2	<10	--
25793	205	51	20	455	0.3	<10	--
25794	205	12	10	163	0.2	<10	--
25795	205	11	9	163	2.1	<10	--
25796	205	50	10	540	0.5	<10	--
25798	205	8	18	80	0.5	<10	--
25799	205	30	27	118	0.2	<10	--

RECEIVED

APR 27 1984

LORNE X - VANCOUVER

Certified by ..... *Hart Bichler* .....



MEMBER  
CANADIAN TESTING  
ASSOCIATION



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ASSAY

TO : LORNEX MINING CORP. LTD.  
ATTN: D.R. BUDINSKI, MGR. OF EXPL.  
P. O. BOX 10335, STOCK EXCHANGE TOWER  
STE 1650 - 609 GRANVILLE ST.  
VANCOUVER, B.C. V7Y 1G5

CERT. # : A8411374-001-A  
INVOICE # : 18411374  
DATE : 27-APR-84  
P.O. # : NONE  
BIGFOOT 10,11,12

ATTN: M.L. SERACK

Sample description	Prep code	Cu %	Pb %	Zn %	Ag FA oz/T	Au FA oz/T	
25771	207	<0.01	<0.01	0.10	0.04	<0.003	--
25772	207	0.14	<0.01	0.13	0.20	<0.003	--
25773	207	0.02	<0.01	0.03	0.10	<0.003	--
25780	207	0.03	<0.01	0.33	0.06	<0.003	--
25781	207	<0.01	<0.01	0.20	0.12	<0.003	--
25789	207	0.03	0.01	0.06	0.38	<0.003	--
25790	207	0.05	0.06	0.23	0.08	<0.003	--
25791	207	0.07	<0.01	0.10	0.10	<0.003	--
25792	207	<0.01	<0.01	0.04	0.04	<0.003	--
25797	207	0.01	0.06	0.13	0.06	<0.003	--

# RECEIVED

MAY - 1 1984

LORNEX - VANCOUVER

*M. L. Serack*  
.....  
Registered Assayer, Province of British Columbia



# CHEMEX LABS LTD.

MS

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : LORNE MINING CORP. LTD.  
ATTN: D.R. BUDINSKI, MGR. OF EXPL.  
P. O. BOX 10335, STOCK EXCHANGE TOWER  
STE 1650 - 609 GRANVILLE ST.  
VANCOUVER, B.C. V7Y 1G5

CERT. # : A8410964-001-A  
INVOICE # : I8410964  
DATE : 26-MAR-84  
P.O. # : NONE  
BIG FOOT

ATTN: M. L. SERACK

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	Ag ppm	AU-AA ppb	
28526 B	205	118	515	890	0.4	<10	--
28527 B	205	470	815	970	1.1	<10	--
28529 B	205	158	335	670	0.7	<10	--
28530 B	205	655	5100	8300	3.9	<10	--
28532 B	205	85	220	590	0.3	<10	--
28533 B	205	343	1000	4600	0.8	<10	--
28534 B	205	73	198	570	0.6	<10	--
28535 B	205	600	75	2200	2.0	<10	--
28536 B	205	130	48	810	0.6	<10	--
28537 B	205	40	36	585	0.6	<10	--
28538 B	205	46	44	290	0.7	<10	--
28539 B	205	470	1020	3550	1.2	<10	--
28540 B	205	212	60	910	0.6	<10	--
28541 B	205	900	255	2300	1.0	<10	--
28542 B	205	325	605	1130	0.6	<10	--
28543 B	205	75	28	100	0.4	<10	--
28544 B	205	21	25	189	0.3	<10	--

# RECEIVED

MAR 28 1984

LORNE MINING CORP. VANCOUVER



Certified by *Hart Buehler* .....



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ASSAY

TO : LORNE MINING CORP. LTD.  
ATTN: D.R. BUDINSKI, MGR. OF EXPL.  
P. O. BOX 10335, STOCK EXCHANGE TOWER  
STE 1650 - 609 GRANVILLE ST.  
VANCOUVER, B.C. V7Y 1G5

CERT. # : A8410963-001-A  
INVOICE # : I8410963  
DATE : 26-MAR-84  
P.O. # : NONE  
BIG FOOT

ATTN: M. L. SERACK

Sample description	Prep code	Cu %	Pb %	Zn %	Ag FA oz/T	Au FA oz/T	
258288	207	0.73	1.03	1.49	0.80	<0.003	--
258318	207	0.70	1.90	2.32	0.50	0.005	--

# RECEIVED

MAR 28 1984

LORNE - VANCOUVER



MEMBER  
CANADIAN TESTING  
ASSOCIATION

.....  
*Heri Amoretti*  
.....  
Registered Assayer, Province of British Columbia





# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : LORNEX MINING CORP. LTD.  
ATTN: D.R. BUDINSKI, MGR. OF EXPL.  
P. O. BOX 10335, STOCK EXCHANGE TOWER  
STE 1650 - 609 GRANVILLE ST.  
VANCOUVER, B.C. V7Y 1G5

CERT. # : A8411004-001-A  
INVOICE # : I8411004  
DATE : 29-MAR-84  
P.O. # : NONE  
BIG FOOT

ATTN: M. L. SERACK

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Cd ppm	
25845	205	66	14	138	0.1	0.1	--
25846	205	81	40	210	0.3	0.6	--
25847	205	265	90	1830	0.1	9.0	--
25848	205	37	12	205	0.1	0.4	--
25849	205	41	26	143	0.1	0.1	--
25850	205	38	38	156	0.4	0.1	--
25851	205	40	22	220	0.2	0.3	--
25852	205	490	18	265	0.7	0.1	--
25853	205	68	18	132	0.1	0.1	--
25854	205	27	17	100	0.1	0.1	--
25855	205	53	10	94	0.1	0.1	--
25856	205	7	4	81	0.1	0.1	--
25857	205	71	4	92	0.1	0.1	--
25858	205	39	8	93	0.1	0.1	--
25859	205	35	8	108	0.1	0.1	--
25860	205	25	13	83	0.3	0.1	--
25861	205	6	6	86	0.1	0.1	--
25862	205	28	3	84	0.1	0.1	--
25863	205	36	2	79	0.1	0.1	--
25864	205	9	2	76	0.1	0.1	--
25865	205	12	1	76	0.1	0.1	--
25866	205	12	2	136	0.1	0.1	--
25867	205	20	2	96	0.1	0.1	--
25868	205	65	2	94	0.1	0.1	--
25869	205	20	20	192	0.2	0.1	--
25870	205	10	8	193	0.2	0.1	--
25871	205	16	14	142	0.1	0.7	--
25872	205	22	30	168	0.1	0.2	--
25873	205	41	50	124	0.4	0.1	--
25874	205	74	47	490	0.5	1.8	--
25875	205	555	84	2950	4.0	14.5	--
25876	205	225	26	590	1.0	2.2	--
25877	205	36	14	670	0.5	2.9	--
25880	205	157	8	1890	1.0	9.5	--
25881	205	75	12	460	0.8	1.6	--
25882	205	146	10	770	0.8	3.0	--
25883	205	67	10	835	0.6	3.6	--
25884	205	15	10	460	0.4	2.1	--
25885	205	7	10	88	0.4	0.2	--
25887	205	12	4	124	0.5	0.1	--



Certified by *Hart Buchler*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : LORNE MINING CORP. LTD.  
ATTN: D.R. BUDINSKI, MGR. OF EXPL.  
P. O. BOX 10335, STOCK EXCHANGE TOWER  
STE 1650 - 609 GRANVILLE ST.  
VANCOUVER, B.C. V7Y 1G5

CERT. # : A8411133-001-A  
INVOICE # : I8411133  
DATE : 3-APR-84  
P.O. # : NONE  
BIG FOOT

ATTN: M.L. SERACK

Sample description	Prep code	AU-AA ppb						
25845	214	<10	--	--	--	--	--	--
25846	214	<10	--	--	--	--	--	--
25847	214	<10	--	--	--	--	--	--
25848	214	<10	--	--	--	--	--	--
25849	214	<10	--	--	--	--	--	--
25850	214	<10	--	--	--	--	--	--
25851	214	<10	--	--	--	--	--	--
25852	214	<10	--	--	--	--	--	--
25853	214	<10	--	--	--	--	--	--
25854	214	<10	--	--	--	--	--	--
25855	214	<10	--	--	--	--	--	--
25856	214	<10	--	--	--	--	--	--
25857	214	<10	--	--	--	--	--	--
25858	214	<10	--	--	--	--	--	--
25859	214	<10	--	--	--	--	--	--
25860	214	<10	--	--	--	--	--	--
25861	214	<10	--	--	--	--	--	--
25862	214	<10	--	--	--	--	--	--
25863	214	<10	--	--	--	--	--	--
25864	214	<10	--	--	--	--	--	--
25865	214	<10	--	--	--	--	--	--
25866	214	<10	--	--	--	--	--	--
25867	214	<10	--	--	--	--	--	--
25868	214	<10	--	--	--	--	--	--
25869	214	<10	--	--	--	--	--	--
25870	214	<10	--	--	--	--	--	--
25871	214	<10	--	--	--	--	--	--
25872	214	<10	--	--	--	--	--	--
25873	214	<10	--	--	--	--	--	--
25874	214	10	--	--	--	--	--	--
25875	214	10	--	--	--	--	--	--
25876	214	<10	--	--	--	--	--	--
25877	214	<10	--	--	--	--	--	--
25880	214	<10	--	--	--	--	--	--
25881	214	<10	--	--	--	--	--	--
25882	214	<10	--	--	--	--	--	--
25883	214	<10	--	--	--	--	--	--
25884	214	10	--	--	--	--	--	--
25885	214	<10	--	--	--	--	--	--
25887	214	<10	--	--	--	--	--	--



Certified by *Hart Buchler*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: (604) 984-0221  
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ASSAY

TO : LORNEK MINING CORP. LTD.  
 ATTN: D.R. BUDINSKI, MGR. OF EXPL.  
 P. O. BOX 10335, STOCK EXCHANGE TOWER  
 STE 1650 - 609 GRANVILLE ST.  
 VANCOUVER, B.C. V7Y 1G5

CERT. # : A8411005-001-A  
 INVOICE # : I8411005  
 DATE : 30-MAR-84  
 P.O. # : NONE  
 BIG FOOT

ATTN: M. L. SERACK

Sample description	Prep code	Cu %	Pb %	Zn %	Ag FA oz/T	Au FA oz/T	
25878	207	0.59	<0.01	3.97	0.22	<0.003	--
25879	207	<0.01	<0.01	0.12	0.03	<0.003	--
25886	207	<0.01	<0.01	0.01	0.06	<0.003	--

RECEIVED  
 MAR 30 1984  
 LORNEK - VANCOUVER

*[Signature]*

Registered Assayer, Province of British Columbia





# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : LORNE MINING CORP. LTD.  
ATTN: D.R. BUDINSKI, MGR. OF EXPL.  
P. O. BOX 10335, STOCK EXCHANGE TOWER  
STE 1650 - 609 GRANVILLE ST.  
VANCOUVER, B.C. V7Y 1G5

CERT. # : A8411004-002-A  
INVOICE # : I8411004  
DATE : 29-MAR-84  
P.O. # : NONE  
BIG FOOT

ATTN: M. L. SERACK

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Cd ppm	
25888	205	11	2	168	0.2	0.2	--

RECEIVED

MAR 30 1984

LORNE - VANCOUVER



Certified by *Hart Buchler*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : LORNE MINING CORP. LTD.  
ATTN: D.R. BUDINSKI, MGR. OF EXPL.  
P. O. BOX 10335, STOCK EXCHANGE TOWER  
STE 1650 - 609 GRANVILLE ST.  
VANCOUVER, B.C. V7Y 1G5

CERT. # : A8411133-002-A  
INVOICE # : I8411133  
DATE : 3-APR-84  
P.O. # : NONE  
BIG FOOT

ATTN: M.L. SERACK

Sample description	Prep code	AU-AA ppb					
25888	214	<10	--	--	--	--	--



Certified by *Hart Bichler*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ASSAY

TO : LORNEX MINING CORP. LTD.  
ATTN: D.R. BUDINSKI, MGR. OF EXPL.  
P. O. BOX 10335, STOCK EXCHANGE TOWER  
STE 1650 - 609 GRANVILLE ST.  
VANCOUVER, B.C. V7Y 1G5

CERT. # : A8411075-001-A  
INVOICE # : I8411075  
DATE : 30-MAR-84  
P.O. # : NONE  
BIG FOOT

ATTN: M.L. SERACK

Sample description	Prep code	Cu %	Pb %	Zn %	Ag FA oz/T	Au FA oz/T	
25889	207	<0.01	<0.01	0.01	0.05	<0.003	--
25900	207	<0.01	<0.01	0.01	0.02	<0.003	--
25901	207	<0.01	<0.01	0.01	0.02	<0.003	--
25908	207	<0.01	<0.01	0.01	0.02	<0.003	--

RECEIVED  
MAR 30 1984  
VANCOUVER

*Max Budinski*  
.....  
Registered Assayer, Province of British Columbia



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: (604) 984-0221  
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : LORNEK MINING CORP. LTD.  
 ATTN: D.R. BUDINSKI, MGR. OF EXPL.  
 P. O. BOX 10335, STOCK EXCHANGE TOWER  
 STE 1650 - 609 GRANVILLE ST.  
 VANCOUVER, B.C. V7Y 1G5

CERT. # : A8411252-001-A  
 INVOICE # : I8411252  
 DATE : 12-APR-84  
 P.O. # : NONE  
 BIGFOOT-3

ATTN: M.L. SERACK

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	Ag ppm	AU-AA ppb	
25913	205	11	9	90	0.3	<10	--
25914	205	4	5	100	0.4	<10	--
25915	205	9	6	107	0.4	<10	--
25916	205	31	14	430	0.2	<10	--
25917	205	14	12	232	0.2	<10	--
25918	205	10	1	162	0.1	<10	--
25919	205	14	9	138	0.2	<10	--
25920	205	107	215	1850	0.4	<10	--
25921	205	17	5	133	0.2	<10	--
25922	205	34	1	90	0.2	<10	--
25923	205	15	1	105	0.2	<10	--
25924	205	9	5	138	0.1	<10	--
25925	205	21	5	142	0.1	<10	--
25928	205	4	7	48	0.1	<10	--
25929	205	25	8	172	0.2	<10	--
25930	205	27	34	375	0.1	<10	--
25931	205	14	5	205	0.1	<10	--
25932	205	3	1	100	0.1	<10	--
25933	205	27	40	108	0.3	<10	--
25934	205	10	2	96	0.2	<10	--
25935	205	14	30	128	0.2	<10	--
25936	205	22	15	103	0.2	<10	--



APR 13 1984

LORNEK - VANCOUVER



Certified by *Hart Bichler*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ASSAY

TO : LORNEK MINING CORP. LTD.  
ATTN: D.R. BUDINSKI, MGR. OF EXPL.  
P. O. BOX 10335, STOCK EXCHANGE TOWER  
STE 1650 - 609 GRANVILLE ST.  
VANCOUVER, B.C. V7Y 1G5

CERT. # : A8411253-001-A  
INVOICE # : 18411253  
DATE : 17-APR-84  
P.O. # : NONE  
BIGFOOT-3

ATTN: M.L. SERACK

Sample description	Prep code	Cu %	Pb %	Zn %	Ag FA oz/T	Au FA oz/T	
25926	207	0.08	<0.01	0.34	0.05	<0.003	--
25927	207	<0.01	<0.01	0.07	0.04	<0.003	--

RECEIVED

APR 1984

LORNEK - VANCOUVER



*M. L. Serack*  
.....  
Registered Assayer, Province of British Columbia





# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : LORNE MINING CORP. LTD.  
ATTN: D.R. BUDINSKI, MGR. OF EXPL.  
P. O. BOX 10335, STOCK EXCHANGE TOWER  
STE 1650 - 609 GRANVILLE ST.  
VANCOUVER, B.C. V7Y 1G5

CERT. # : A8411141-001-A  
INVOICE # : I8411141  
DATE : 4-APR-84  
P.O. # : NONE  
BIG FOOT

ATTN: M.L. SERACK

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	Ag ppm	AU-AA ppb	
25937	205	1	3	50	0.1	<10	--
25938	205	1	3	48	0.2	<10	--
25939	205	1	2	52	0.1	<10	--
25940	205	1	28	90	0.6	<10	--
25941	205	25	37	160	0.6	<10	--
25942	205	1	55	86	0.4	10	--
25943	205	7	57	140	0.5	<10	--
25944	205	19	60	110	0.5	<10	--
25945	205	9	6	220	0.3	<10	--
25946	205	1	28	110	0.4	<10	--
25947	205	17	625	1280	0.9	<10	--
25948	205	8	31	100	0.6	<10	--
25949	205	1	4	75	0.4	<10	--
25950	205	1	7	73	0.4	<10	--
25951	205	1	6	66	0.3	<10	--
25952	205	1	2	57	0.2	<10	--
25953	205	1	3	57	0.3	<10	--
25954	205	1	3	57	0.3	<10	--
25955	205	1	4	60	0.3	<10	--
25956	205	1	8	68	0.5	<10	--
25957	205	63	185	268	0.7	<10	--



MEMBER  
CANADIAN TESTING  
ASSOCIATION

Certified by *Hentrichler* .....



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : LORNE MINING CORP. LTD.  
ATTN: D.R. BUDINSKI, MGR. OF EXPL.  
P. O. BOX 10335, STOCK EXCHANGE TOWER  
STE 1650 - 609 GRANVILLE ST.  
VANCOUVER, B.C. V7Y 1G5

CERT. # : A8411292-001-A  
INVOICE # : 18411292  
DATE : 17-APR-84  
P.O. # : NONE  
BIGFOOT 5

ATTN: M.L. SERACK

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	Ag ppm	AU-AA ppb	
25958	205	22	27	123	0.1	10	--
25959	205	16	3	139	0.2	<10	--
25960	205	10	3	167	0.1	<10	--
25961	205	16	26	153	0.2	<10	--
25962	205	4	1	61	0.1	<10	--
25963	205	140	275	500	0.3	10	--
25964	205	62	53	282	0.4	<10	--
25965	205	9	29	175	0.4	<10	--
25966	205	37	1	111	0.3	<10	--
25967	205	63	34	206	0.5	<10	--
25968	205	53	19	112	0.3	<10	--
25969	205	24	21	84	0.2	10	--
25970	205	48	2	80	0.4	<10	--
25971	205	22	3	75	0.2	<10	--
25972	205	17	1	74	0.2	<10	--
25973	205	15	2	76	0.2	<10	--
25974	205	18	1	70	0.3	<10	--
25975	205	19	1	60	0.2	<10	--
25976	205	17	1	58	0.2	<10	--

# RECEIVED

APR 18 1984

BOULEVARD - VANCOUVER



MEMBER  
CANADIAN TESTING  
ASSOCIATION

Certified by *Hart Bichler*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : LORNE MINING CORP. LTD.  
ATTN: D.R. BUDINSKI, MGR. OF EXPL.  
P. O. BOX 10335, STOCK EXCHANGE TOWER  
STE 1650 - 609 GRANVILLE ST.  
VANCOUVER, B.C. V7Y 1G5

CERT. # : A8411375-001-A  
INVOICE # : I8411375  
DATE : 25-APR-84  
P.O. # : NONE  
BIGFOOT 6

ATTN: M.L. SERACK

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	Ag ppm	AU-AA ppb	
25977	205	19	9	60	0.5	<10	--
25978	205	13	4	62	0.2	<10	--
25979	205	16	4	63	0.2	<10	--
25980	205	15	2	65	0.1	<10	--
25981	205	18	2	60	0.1	<10	--
25982	205	12	2	58	0.1	<10	--
25983	205	37	1	78	0.3	<10	--
25984	205	47	2	105	0.2	<10	--
25985	205	28	1	90	0.3	<10	--
25986	205	20	6	58	0.1	<10	--
25987	205	52	1	83	0.2	<10	--
25988	205	55	1	93	0.3	<10	--
25989	205	42	1	70	0.1	<10	--
25990	205	12	4	53	0.1	<10	--
25991	205	19	4	50	0.1	<10	--
25992	205	12	3	54	0.1	<10	--
25993	205	12	1	54	0.1	<10	--
25994	205	11	1	50	0.1	<10	--
25995	205	11	1	44	0.1	<10	--
25996	205	12	1	48	0.1	<10	--
25997	205	12	1	52	0.1	<10	--
25998	205	12	1	55	0.1	<10	--
25999	205	11	1	48	0.1	<10	--
26000	205	11	1	48	0.1	<10	--
25676	205	9	1	50	0.1	<10	--
25677	205	10	2	53	0.2	<10	--
25678	205	10	2	47	0.1	<10	--
25679	205	11	1	42	0.1	<10	--
25680	205	9	2	45	0.1	<10	--
25681	205	9	1	43	0.1	<10	--
25682	205	10	1	48	0.1	<10	--
25683	205	9	1	45	0.1	<10	--
25684	205	8	2	44	0.1	<10	--
25685	205	30	4	58	0.2	<10	--

RECEIVED

APR 27 1984

Certified by *Hart Bickler*



MEMBER  
CANADIAN TESTING  
ASSOCIATION

APPENDIX III



# Vancouver Petrographics Ltd.

JAMES VINNELL, Manager  
JOHN G. PAYNE, Ph. D. Geologist

P.O. BOX 39  
8887 NASH STREET  
FORT LANGLEY, B.C.  
VOX 1J0

PHONE (604) 888-1323

Invoice 4515

Report for: Marjorie Serak,  
Lornex Mining Corp. Ltd.,  
P.O.Box 10335 Stock Exchange Tower,  
Suite 1650, 609 Granville Street,  
Vancouver, B.C.,  
V7Y 1G5

April 30, 1984

Sample: BIGFOOT DDH 84-8 59.8ft.

ALTERED (EPIDOTE) TUFF.

This sample is a fine to medium grained dark grey rock consisting of three layers 1 to 3mm in thickness. One fairly coarse layer is crowded with yellow epidote aggregates. It is a volcanoclastic rock (perhaps reworked) which consists of angular clasts of quartz and plagioclase set within a fine grained matrix. The layering is due to different grain sizes and mineral proportions. The coarser layer grades into the medium grained layer. The epidote aggregates are replacing andesite clasts. Small amounts of calcite occur as a late alteration mineral. Composition is:

	fine	medium	coarser
quartz clast	30	6	14
plagioclase clast	47	58	-
volcanic clast	-	2	8
groundmass (plagioclase +?)	20	20	22
epidote	1	10	51
Fe-Ti oxide	2	1	1
calcite	-	3	4
sericite	-	-	minor

In the finer layer angular to subrounded shard of plagioclase and quartz are crowded within an extremely fine grained, dirty cryptocrystalline groundmass. The shards vary in size from 0.01 to 0.1mm, averaging about 0.04mm. There are occasional fragments up to 0.3mm in size near the contact with the coarser layer.

Extremely fine grained Fe-Ti oxides are disseminated throughout the matrix and often occur in ragged, rounded aggregates up to 0.07mm in size. These are sometimes intergrown with very fine epidote.

(continued)

BIGFOOT DDH 84-8 59.8ft (cont.)

In the medium grained layer angular to subrounded quartz and plagioclase fragments are again the dominant material but these are coarser, ranging in size from 0.05 to 0.3mm, averaging about 0.1mm. There are far fewer quartz fragments compared to the fine layer. There are also several rounded volcanic fragments within the groundmass. These consist of thin laths of plagioclase about 0.1mm in length or, in some fragments, a mass of subrounded interlocking plagioclase grains of about the same size. The groundmass in this layer consists of feathery to subrounded plagioclase grains less than 0.05mm in size which are mixed with small patches of dirty cryptocrystalline material.

Extremely fine grained Fe-Ti oxide are disseminated throughout the matrix and are sometimes intimately intergrown with very fine grained epidote. However most of the epidote in this part of the rock occurs as subprismatic grains 0.05 to 0.2mm in size which are scattered about the matrix. These often occur in aggregates of a few grains. Epidote also occurs within the plagioclase fragments and most of the volcanic fragments appear to have been almost completely replaced by epidote aggregates.

Calcite forms very fine grains which occur in sinuous discontinuous veins along the layering. These are up to 0.5mm wide. There are also a few veinlets which cut across the layering and minor quartz is intergrown with the calcite. Small patches of calcite surround clasts and epidote aggregates.

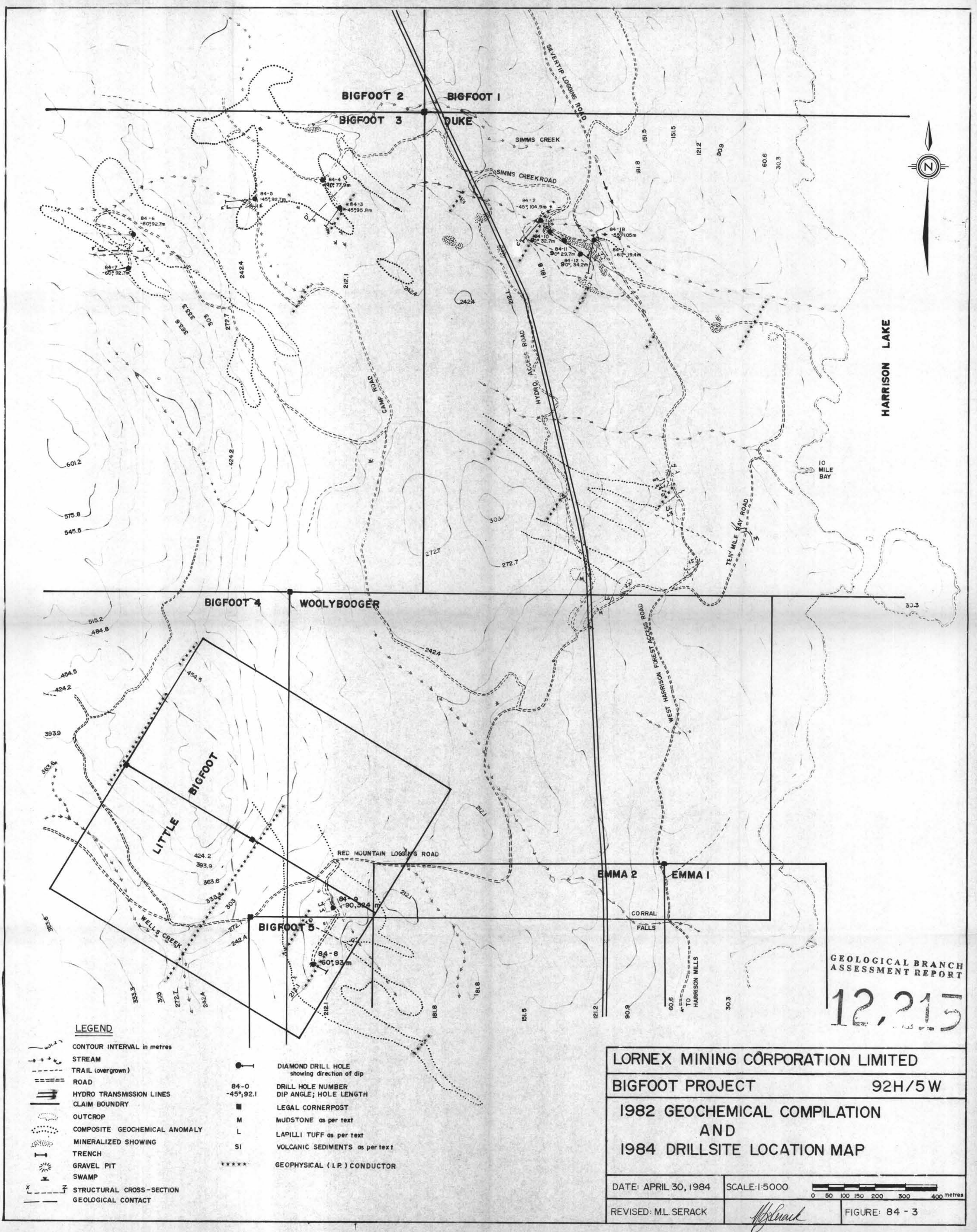
In the coarser layer plagioclase and volcanic fragments are dominant but have been mostly replaced by epidote aggregates. The epidote forms subprismatic grains 0.1 to 0.8mm in size occurring in aggregates (sometimes spherulitic) up to 2.5mm in size. Rare remnant plagioclase, quartz and volcanic material occur in some of them. Some quartz also occurs between the epidote grains in a few of the aggregates. There is a narrow zone of very fine epidote which surrounds the coarse aggregates.

Quartz fragments are rounded to subangular and vary in size from 0.3 to 1.5mm, averaging about 1.0mm. The smaller ones are concentrated near the contact with the medium grained layer. Volcanic fragments consist of an aggregate of subrounded interlocking plagioclase grains less than 0.1mm in size (ie. andesite). Those which have been "unaltered" contain small clusters of epidote grains.

The matrix consists of a mass of shapeless interlocking plagioclase grains less than 0.03mm in size. Patches of dirty cryptocrystalline material are intergrown with the plagioclase. Extremely fine Fe-Ti oxide is disseminated throughout the matrix. Very fine quartz clasts are scattered within the matrix also.

Calcite forms very fine grains which occur in ragged patches partly surrounding the quartz fragments and epidote aggregates, replacing the matrix. Minor amounts of sericite are mixed with the calcite in some of the patches.

*A. P. Thompson, M.Sc.*



HARRISON LAKE

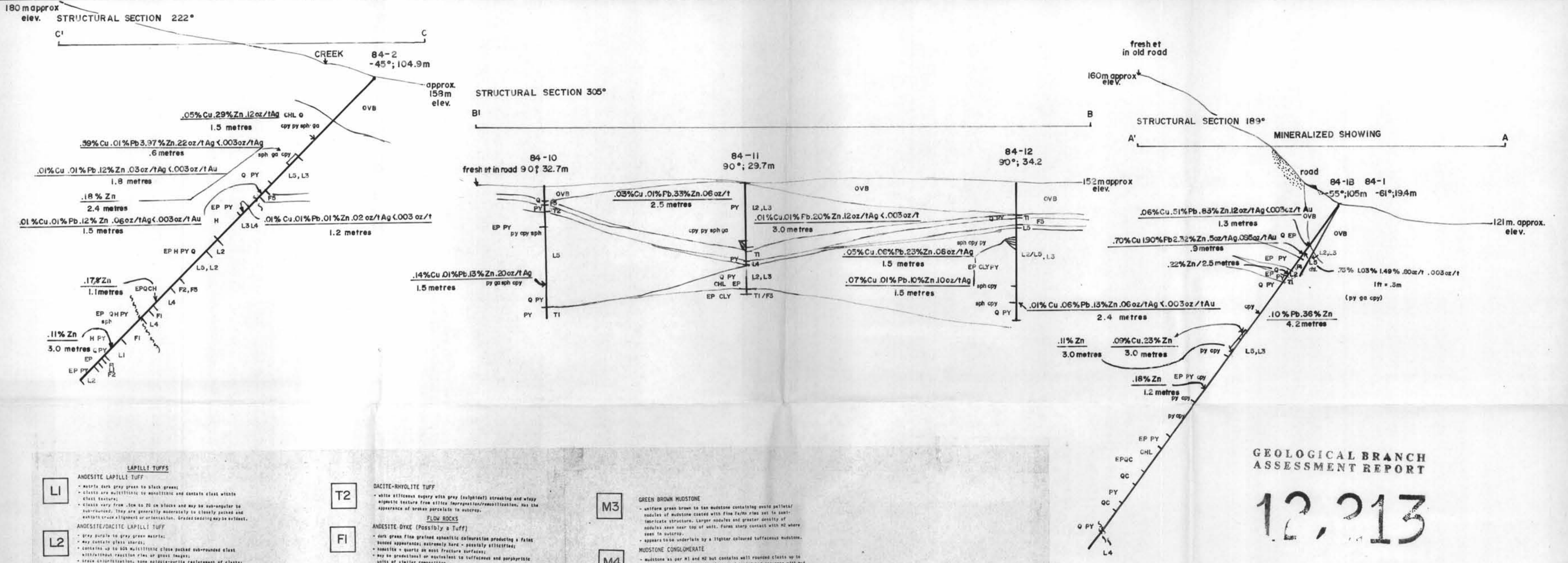
10 MILE BAY

GEOLOGICAL BRANCH  
ASSESSMENT REPORT  
**12,215**

**LEGEND**

- CONTOUR INTERVAL in metres
- STREAM
- TRAIL (overgrown)
- ROAD
- HYDRO TRANSMISSION LINES
- CLAIM BOUNDARY
- OUTCROP
- COMPOSITE GEOCHEMICAL ANOMALY
- MINERALIZED SHOWING
- TRENCH
- GRAVEL PIT
- SWAMP
- STRUCTURAL CROSS-SECTION
- GEOLOGICAL CONTACT
- DIAMOND DRILL HOLE showing direction of dip
- DRILL HOLE NUMBER DIP ANGLE; HOLE LENGTH
- LEGAL CORNERPOST
- M MUDSTONE as per text
- L LAPILLI TUFF as per text
- SI VOLCANIC SEDIMENTS as per text
- \*\*\*\*\* GEOPHYSICAL (I.P.) CONDUCTOR

<b>LORNEX MINING CORPORATION LIMITED</b>	
<b>BIGFOOT PROJECT</b>	<b>92H/5W</b>
<b>1982 GEOCHEMICAL COMPILATION AND 1984 DRILLSITE LOCATION MAP</b>	
DATE: APRIL 30, 1984	SCALE: 1:5000
REVISED: ML SERACK	 FIGURE: 84 - 3



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

12,213

LAPILLI TUFFS

- L1** ANDESITE LAPILLI TUFF
  - matrix dark grey green to black green;
  - clasts are multistatic to monostatic and contain clast within clast texture;
  - clasts vary from .5cm to 20 cm blocks and may be sub-angular to sub-rounded. They are generally moderately to closely packed and exhibit cross alignment or orientation. Graded bedding may be evident.
- L2** ANDESITE/DACITE LAPILLI TUFF
  - grey purple to grey green matrix;
  - may contain glass shards;
  - contains up to 50% multistatic close packed sub-rounded clast with/without reaction rim or ghost images;
  - trace chloritization, some epidote-pyrite replacement of clasts;
  - graded bedding evident.
- L3** ANDESITE/DACITE LAPILLI TUFF
  - grey matrix with papery or flakey texture and occasional glass shards (spinel);
  - flakey texture (referred to as sigmoidal or tongue texture in logs) with preferred orientation; some appear chloritic others cherty or glassy; generally matrix is altered to a clay assemblage;
  - may have greenish or brownish cast due to alteration over printing.
- L4** ANDESITE/DACITE LAPILLI TUFF
  - monostatic clasts 1-15cm usually grey green set in a fine grained matrix of similar composition; most fragments are sub-angular and moderately close packed; fragment boundaries are defined by alteration rims. Generally clasts are poorly sorted or uniform in size.
- L5** DACITE LAPILLI TUFF
  - light grey green to grey blue aphanitic matrix;
  - multistatic sub-angular to rounded fragments 1-10cm diameter and 20-60% close packed; some clasts are sulphate bearing;
  - generally altered by clay, epidote and occasionally chloritization;
  - some clasts have reaction rims and become ghost fragments.
  - graded bedding is generally observed.
- TI** DACITE ASH TUFF
  - dark green altering to light green grey matrix generally aphanitic with occasional black glass (volcanic) shards in a sugary appearing matrix to coarse scoriales;
  - densely packed;
  - may contain rounded fragments or phenocrysts of felsic material 2-5mm to 1cm in diameter. Phenocrysts are generally white but may be altered to yellow green with epidote.
  - trace disseminated cubic pyrite.

T2

- T2** DACITE-RHYOLITE TUFF
  - white siliceous sugary with grey (sulphate) streaking and wispy sigmoidal texture from slight fragmentation/remobilization. Has the appearance of broken porcelain in outcrop.
- FI** FLOW ROCKS
- F1** ANDESITE DYKE (Possibly a Tuff)
  - dark green fine grained aphanitic calcification producing a faint banded appearance; extremely hard - possibly chloritized;
  - massive + quartz on most fracture surfaces;
  - may be granitic or equivalent to tuffaceous and porphyritic units of similar composition.
- F2** ANDESITE FELDSPAR PORPHYRY
  - as F1 but contains white 1-2mm phenocrysts occasionally replaced by epidote.
  - may be equivalent to F3
- F3** DACITE FELDSPAR PORPHYRY
  - blue grey to grey green matrix containing 1-2mm white phenocrysts or fragments altered by epidote in some cases and exhibiting a faint trachytic texture.
- F4** PORPHYRITIC "AUGITE" ANDESITE FLOW
  - dark green to black aphanitic matrix with "mafic" phenocrysts 1mm randomly dispersed;
  - usually formed as high temperature dykes producing contact metamorphic reaction rims with host wall rock.
- F5** DARK BLUE GREEN ANDESITE FLOW
  - blue green aphanitic matrix sometimes with scintillate appearance in matrix contain 15-20% close packed 1-2mm round vesicles filled with blue grey quartz-feldspar;
  - vesicles may be altered to epidote + quartz + canary yellow mineral.
- MI** BLACK MUDSTONE
  - uniform black glassy to shaly;
  - some volcanic detritus;
  - pelletoidal, fossiliferous.
- M2** BLACK MUDSTONE WITH TUFFACEOUS VOLCANIC SEDIMENTS
  - black argillaceous with a high proportion of fine tuff layers, glass shards and fragments interbedded;
  - felsic volcanic materials may be altered to epidote + canary yellow mineral;
  - tuffaceous material in filling up sequence.
  - soft sediment deformation to be seen in contemporaneous tuffification and sediment slumping on 1-2cm scale.

M3

- M3** GREEN BROWN MUDSTONE
  - uniform green brown to tan mudstone containing oval pellets/modules of mudstone coated with fine Fe/Mn rims set in semi-fabricate structure. Larger modules and greater density of modules seen near top of unit. Forms sharp contact with M2 where seen in outcrop.
  - appears to underlie by a lighter coloured tuffaceous mudstone.
- M4** MUDSTONE CONGLOMERATE
  - mudstone as per M1 and M2 but contains well rounded clasts up to 2.5cm in diameter in an imbricate and graded bed sequence with bed filling interfractures.
- SI** DACITIC VOLCANIC SEDIMENTS (TUFFS)
  - light grey with darker grey argillaceous bands;
  - banding/banding up to 5cm thick;
  - poorly sorted, largely volcanic debris; unaltered 1-2mm grains.
  - apparent dip 3-10° SE;
  - may form lenses or thickening wedges;
  - inter fingers with black mudstone unit.

- MINERALIZATION**
- EP** EPIDOTE ALTERATION
  - SER** SERICITE ALTERATION
  - PY** PYRITE ALTERATION
  - Q** QUARTZ
  - C** CARBONATE
  - H** HEMATITE
  - CHL** CHLORITE
  - CLY** CLAY MINERAL ALTERATION
  - sph** SPHALERITE
  - cpy** CHALCOPYRITE
  - ga** GALENA
  - py** PYRITE AS PART OF THE MINERALIZED PHASE

- SYMBOLS**
- 84-00** DRILL HOLE NUMBER
  - 90°; 100m** HOLE DIP; LENGTH
  - CONTACT AND ASSUMED CORRELATION
  - FAULT
  - OVB** OVERBURDEN

**LORNEX MINING CORPORATION LTD.**

**BIGFOOT PROJECT 92H/5W**

**STRUCTURAL CROSS-SECTIONS**

**A-A'; B-B'; C-C'**

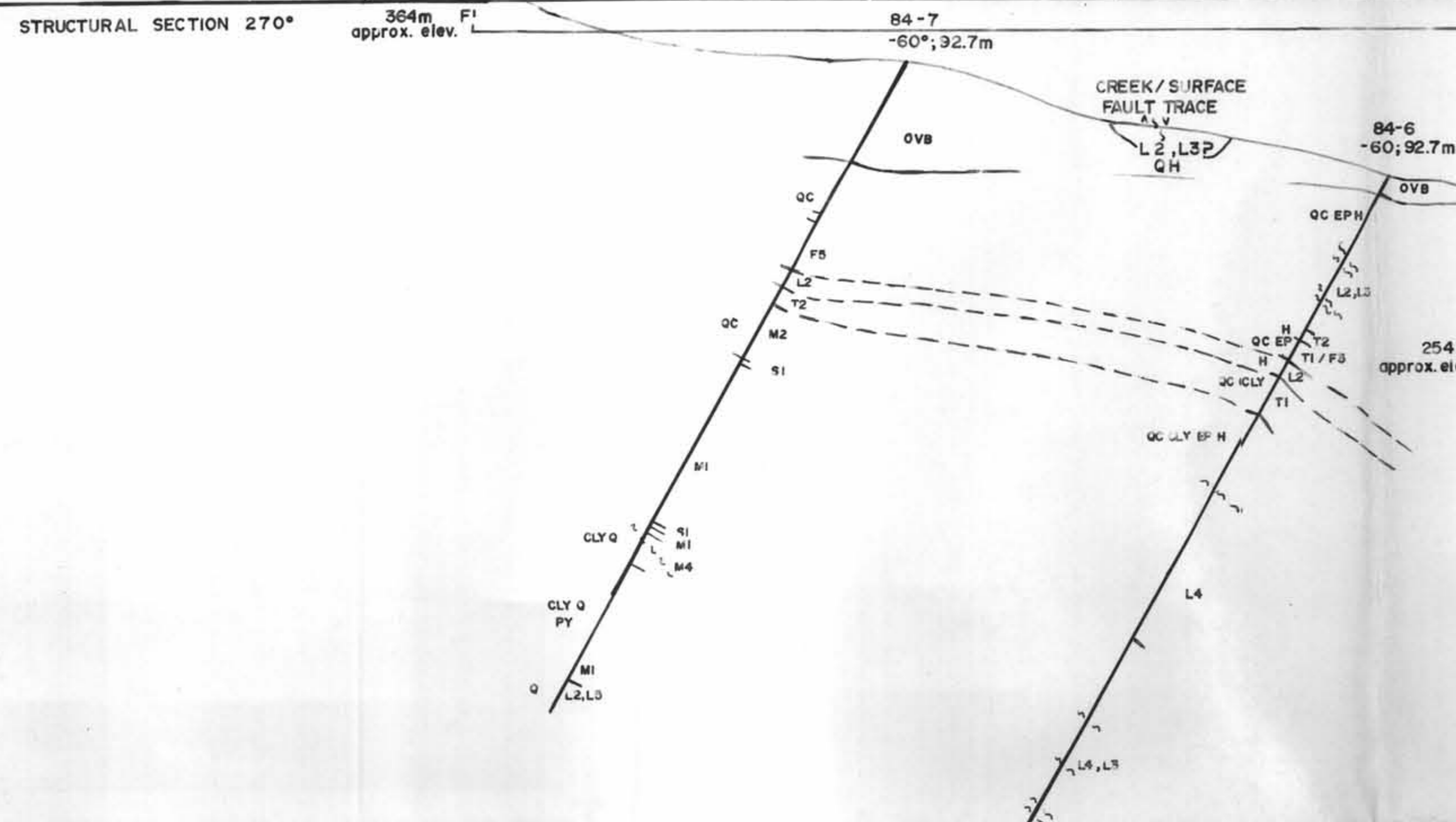
DATE: APRIL 1984 SCALE: 1:500

DRAWN BY: M.L. SERACK

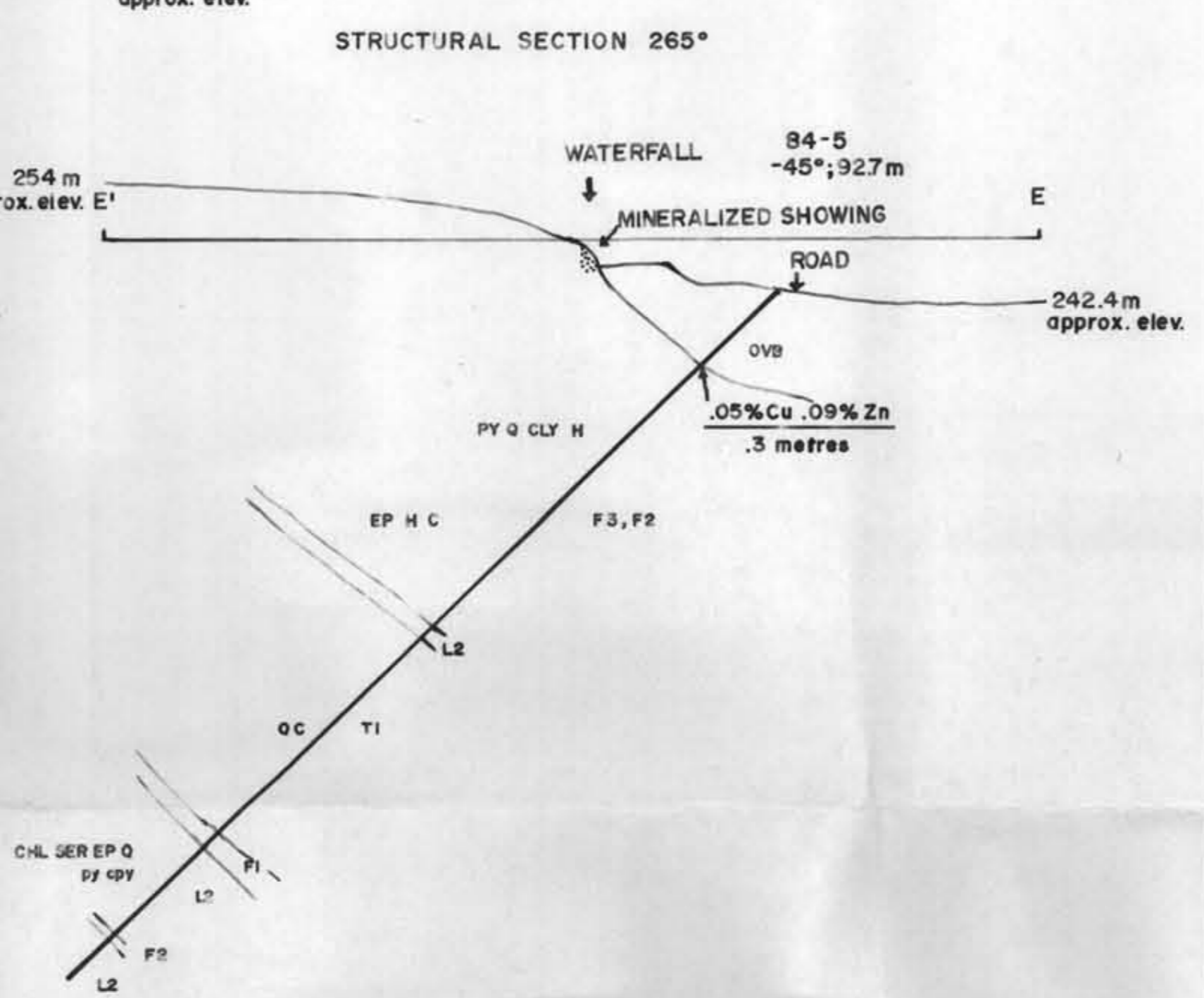
FIGURE: 84-4



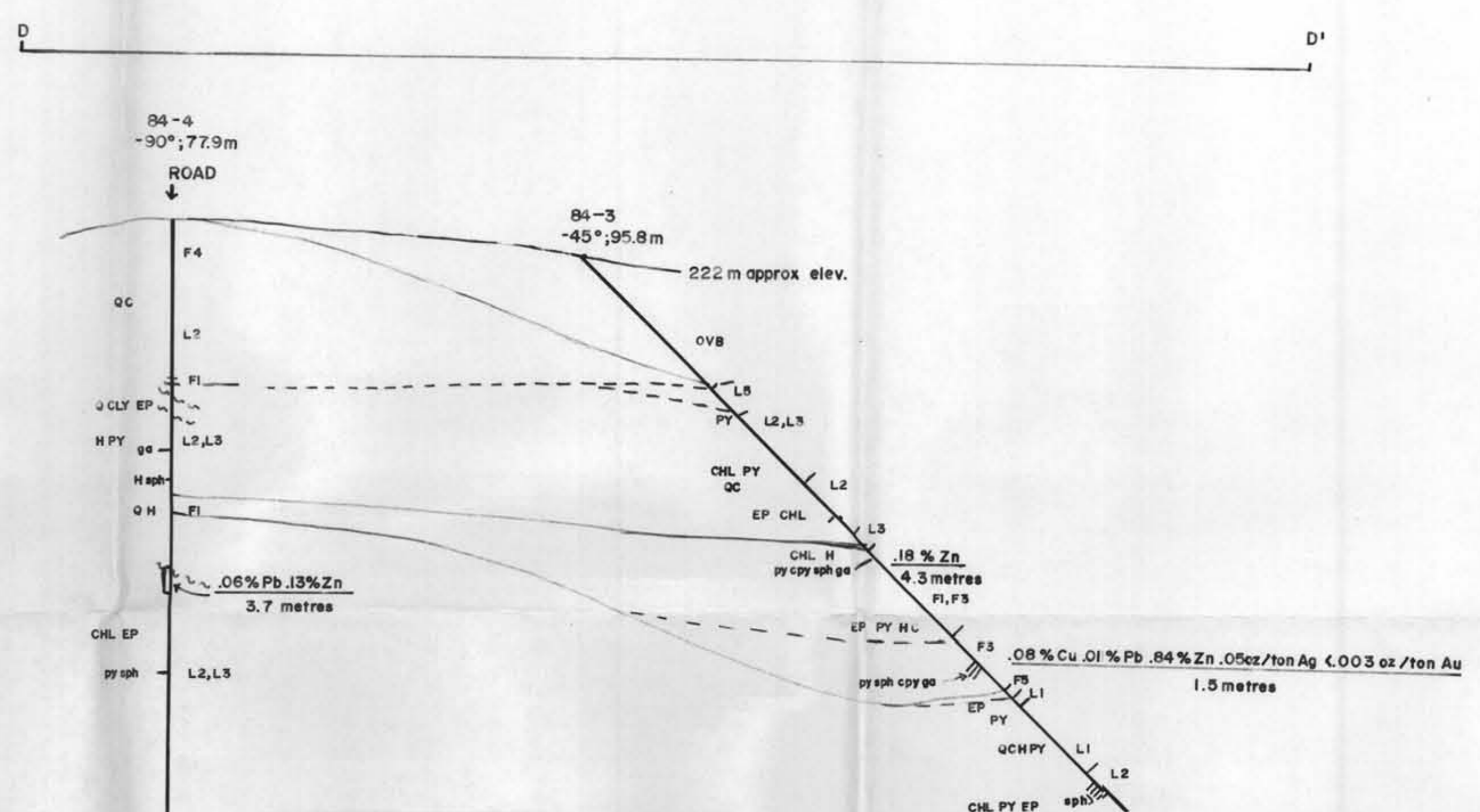
STRUCTURAL SECTION 270°



STRUCTURAL SECTION 265°



STRUCTURAL SECTION 225°



- LAPILLI TUFFS**
- ANDESITE LAPILLI TUFF**
    - matrix dark gray green to black green;
    - clasts are multistatic to monostatic and contain glass within class texture;
    - class size from .5cm to 20 cm blocks and may be sub-angular to sub-rounded, they are generally moderately to closely packed and maintain their alignment or orientation. Graded bedding may be evident.
  - ANDESITE/DACITE LAPILLI TUFF**
    - gray purple to gray green matrix;
    - may contain glass shards;
    - contains up to 40% multistatic closely packed sub-rounded class without reaction rim or glass inclusions;
    - trace calcification, some apatite/epitaxial replacements of clasts;
    - graded bedding evident.
  - ANDESITE/DACITE LAPILLI TUFF**
    - gray matrix with heavy of flake texture and occasional glass shards (laterals);
    - flame texture (preferred to be sigmoidal or tongue texture in logs) with preferred orientation, some appear chloritic to green quartz or glass; generally matrix is altered to a clay assemblage;
    - may have granitic or brownish cast due to alteration over printing.
  - ANDESITE/DACITE LAPILLI TUFF**
    - monostatic class 1-15cm usually gray green set in a fine grained matrix of similar composition, most fragments are sub-angular and moderately class packed. Fragment boundaries are defined by alteration rim. Generally class are poorly sorted or well-sorted.
  - DACITE LAPILLI TUFF**
    - light gray green to gray blue aphanitic matrix;
    - multistatic sub-angular to rounded fragments 1-15cm diameter and 20-40% class content, some class are sulphide bearing;
    - generally altered by clay, opaline and occasionally silicified;
    - some class have reaction rim and become ghost fragments;
    - graded bedding is generally common.
  - ASH TUFFS**
  - DACITE ASH TUFF**
    - dark green altering to light green gray matrix generally aphanitic with occasional black glass (spherical) shards in a sugary appearing matrix (in coarser varieties);
    - densely packed;
    - may contain rounded fragments or phenocrysts of feldspar material 1-2cm to 5cm in diameter. Phenocrysts are generally white but may be altered to yellow green with opaline;
    - trace disseminated quartz grains;
  - T2** **DACITE-RHYOLITE TUFF**
    - white effusive sugar with gray (sulfidic) streaking and waxy magnetic texture from silica (magnetite/ hematite); has the appearance of broken porcelain in outcrop.
  - FLOW ROCKS**
  - ANDESITE DYKE (Possibly a Tuff)**
    - dark green fine grained aphanitic coloration producing a faint banding appearance; extremely hard - possibly silicified;
    - hematite - quartz on most fracture surfaces;
    - may be transitional or equivalent to surface and porphyritic units of similar composition.
  - ANDESITE FELDSPAR PORPHYRY**
    - as F1 but contains white 1-2cm phenocrysts occasionally replaced by apatite;
    - may be equivalent to F3.
  - DACITE FELDSPAR PORPHYRY**
    - blue gray to gray green matrix containing 1-2cm white phenocrysts or fragments altered by opaline to some cases and exhibiting a faint trachytic texture.
  - PORPHYRYTIC "AUGITE" ANDESITE FLOW**
    - dark green to black aphanitic matrix with "mafic" phenocrysts 1mm randomly dispersed;
    - usually formed as high temperature dykes producing contact metamorphic reaction rim with host wall rock.
  - DARK BLUE GREEN ANDESITE FLOW**
    - blue green aphanitic matrix sometimes with schistose appearance to matrix containing 10-20% class packed 1-2mm round vesicles filled with blue gray quartz-feldspar;
    - vesicles may be altered to apatite + quartz + canary yellow mineral.
  - SEDIMENTS**
  - BLACK MUDSTONE**
    - uniform black (slaty to shaly);
    - some volcanic detritus;
    - petroliferous. Fault horizons.
  - BLACK MUDSTONE WITH TUFFACEOUS VOLCANIC SEDIMENTS**
    - black argillaceous with a high proportion of fine tuff layers, glass shards and fragments interspersed;
    - felsic volcanic material may be altered to apatite + canary yellow mineral;
    - carbonaceous material in stringer sequence;
    - soft sediment deformation is seen in contemporaneous tuffification and sediment slumping on 1-3cm scale.
  - M3** **GREEN BROWN MUDSTONE**
    - uniform green brown to tan mudstone containing oval pellets/ nodules of mudstone coated with fine feldspar set in semi-indistinct structure. Larger nodules and greater density of nodules seen near top of unit. Forms sharp contact with M2 where seen in outcrop;
    - appears to be underlain by a lighter colored tuffaceous mudstone.
  - MUDSTONE CONGLOMERATE**
    - mudstone as per M1 and M2 but contains well rounded clasts up to 7.5cm in diameter in an indistinct and graded bed sequence with mud filling interstices.
  - DACITIC VOLCANIC SEDIMENTS (TUFFS)**
    - light gray with darker gray argillaceous bands;
    - banding ranging up to 5cm thick;
    - generally sorted, largely volcanic detritus, unaltered 1-2mm grains;
    - apparent dips 3-10° SE;
    - may form lenses or thickening wedges;
    - traces of fibers with black mudstone unit.
  - MINERALIZATION**
  - EPIDOTE ALTERATION**
  - SECONDARY PYRITE ALTERATION**
  - QUARTZ VIENING CARBONATE**
  - HEMATITE**
  - CHLORITE**
  - CLAY MINERAL ALTERATION**
  - OVERBURDEN**
  - SPHALERITE**
  - CHIALCOPYRITE**
  - GALENA**
  - PYRITE AS PART OF THE MINERALIZED PHASE**

- 84-00** **SYMBOLS**
- 90°; 100m** **DRILL HOLE NUMBER**
  - **HOLE DIP, LENGTH**
  - **CONTACT AND ASSUMED CORRELATION**
  - **FAULT**

GEOLOGICAL BRANCH ASSESSMENT REPORT

12,213

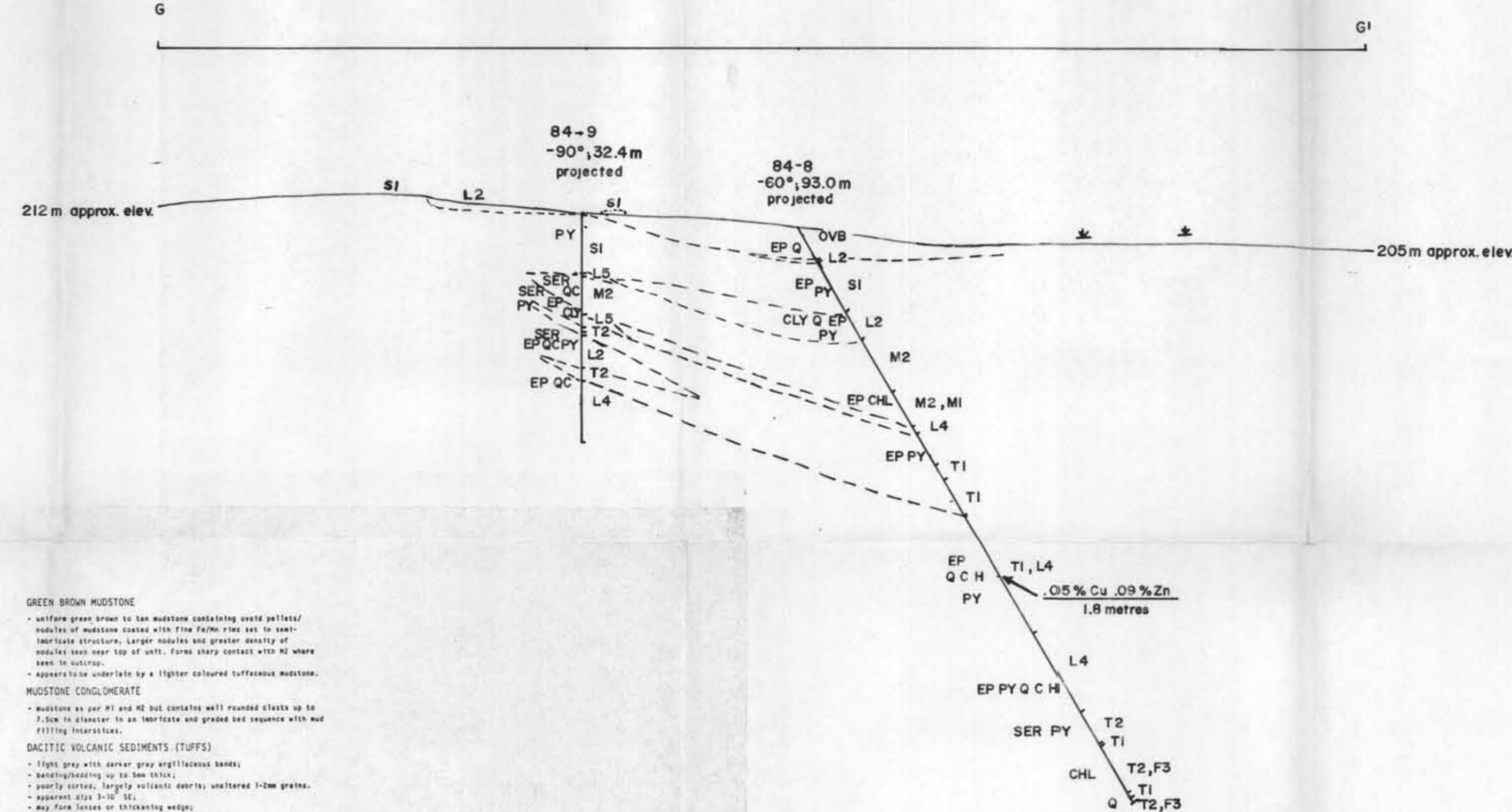
LORNEX MINING CORPORATION LIMITED

BIGFOOT PROJECT 92 H/5 W

STRUCTURAL CROSS-SECTIONS D-D'; E-E'; F-F'

DATE: APRIL 30, 1984	SCALE: 1:500	0 5 10 20 30 40 50 metres
DRAWN BY: ML SERACK	<i>ML Serack</i>	FIGURE: 84-5

STRUCTURAL SECTION II6°



- LAPILLI TUFFS**
- ANDESITE LAPILLI TUFF**
- matrix dark gray green to black green;
  - clasts are multistatic to monostatic and contain either white or black texture;
  - clasts vary from 3cm to 20 cm blocks and may be sub-angular to sub-rounded. They are generally moderately to closely packed and exhibit close alignment or orientation. Stratabanding may be evident.
- ANDESITE/DACITE LAPILLI TUFF**
- gray matrix to gray green matrix;
  - may contain glass shards;
  - contains up to 80% multistatic close packed sub-rounded clast with internal reaction rim or glass shag.
  - trace alteration, some apatite/epitaxial replacement of clasts;
  - ground quartz nodules.
- ANDESITE/DACITE LAPILLI TUFF**
- gray matrix with coarse or fine texture and occasional glass shards (apatite);
  - flame texture (referred to as sigmoidal or tongue texture in logs) with preferred orientation, some appear chloritic others earthy or glassy, generally matrix is altered to a clay assemblage;
  - may have growth or breccia cast due to alteration overprinting.
- ANDESITE/DACITE LAPILLI TUFF**
- multistatic clasts 1-10cm usually gray green set in a fine grained matrix of similar composition, most fragments are sub-angular and moderately close packed. Fragment boundaries are defined by alteration rim. Generally clasts are poorly sorted or uniform in size.
- DACITE LAPILLI TUFF**
- light gray green to gray blue spongy matrix;
  - multistatic sub-angular to rounded fragments 1-10cm diameter and 20-40% close packed; some clasts are sub-angular bearing;
  - generally altered by clay, calcite and occasionally chlorite;
  - some clasts have reaction rim and become glass fragments;
  - ground basalt is generally observed.
- ASH TUFFS**
- DACITE ASH TUFF**
- dark green altering to light green gray matrix generally spongy with occasional black glass sub-angular shag in a sugary appearing matrix (in coarser varieties);
  - detrital pebbles;
  - may contain rounded fragments of feldspar or quartzite (2-10cm to 20cm in diameter). Fragments are generally white but may be altered to yellow green with apatite;
  - trace chloritized quartz grains.

- T2
- F1
- F2
- F3
- F4
- F5
- MI
- M2

- DACITE-RHYOLITE TUFF**
- white vitric tuff with gray (sulphide) streaking and wispy spongy texture from either (sugary) or (reworked), has the appearance of broken porcelain in matrix.
- FLOW ROCKS**
- ANDESITE DYKE (Possibly a Tuff)**
- dark green fine grained spongy calcification producing a faint banding appearance; extremely hard - possibly chloritized;
  - sometimes a quartz on some fracture surfaces;
  - may be gradational or equivalent to tuffaceous and porphyritic units of similar composition.
- ANDESITE FELDSPAR PORPHYRY**
- as F3 but contains white 1-2mm phenocrysts occasionally replaced by apatite;
  - may be equivalent to F3
- DACITE FELDSPAR PORPHYRY**
- blue gray to gray green matrix containing 1-2mm white phenocrysts or fragments altered by apatite in some cases and exhibiting a faint spongy texture.
- PORPHYRITIC "AUGITE" ANDESITE FLOW**
- dark green to black spongy matrix with "mafic" phenocrysts 1mm generally observed;
  - usually formed on high temperature dyke producing contact metamorphic reaction rim with host melt rock.
- DARK BLUE GREEN ANDESITE FLOW**
- blue green spongy matrix sometimes with scintillate appearance in matrix contains 10-20% close packed 1-2mm round vesicles infilled with blue gray quartz-feldspar;
  - vesicles may be altered to apatite + quartz + canary yellow mineral.
- SEDIMENTS**
- BLACK MUDSTONE**
- uniform black (black to shaly);
  - some volcanic detritus;
  - pyritic, fossiliferous.
- BLACK MUDSTONE WITH TUFFACEOUS VOLCANIC SEDIMENTS**
- black argillaceous with a high proportion of fine tuff layers, glass shards and fragments interbedded;
  - feldspar material in filling up sequence;
  - feldspar material in filling up sequence;
  - soft sediment deformation is seen in permeation of tuffaceous and sediment clumping on 1-2cm scale.

- M3
- M4
- SI

- MINERALIZATION**
- SERICITE**
- EPIDOTE ALTERATION**
- SECONDARY PYRITE ALTERATION**
- QUARTZ VENEING**
- CARBONATE**
- HEMATITE**
- CHLORITE**
- CLAY MINERALS**
- SPHALERITE**
- CHALCOPYRITE**
- GALENA**
- PYRITE AS PART OF THE MINERALIZED PHASE**

- SYMBOLS**
- DRILL HOLE NUMBER**
- HOLE DIP; LENGTH**
- CONTACT AND ASSUMED CORRELATION**
- FAULT**
- OVERBURDEN**

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

12,213

LORNE MINING CORPORATION LIMITED

BIGFOOT PROJECT

92H/5W

STRUCTURAL CROSS-SECTION G-G'

DATE: APRIL 30, 1984

SCALE: 1:500



DRAWN BY: ML SERACK

*[Signature]*

FIGURE: 84-6