# ARIS SUMMARY SHEET

District Geologist, Prince George — Off Confidential: 89.02.19

ASSESSMENT REPORT 16962 — MINING DIVISION: Cariboo

PROPERTY: Oboy
LOCATION: LAT 52 45 00 LONG 124 14 00
UTM 10 5844956 416752
NTS 093C16E
CLAIM(S): O Boy 4
OPERATOR(S): Lornex Min.
AUTHOR(S): Cann, R.M.
REPORT YEAR: 1987, 50 Pages
COMMODITIES SEARCHED FOR: Silver,Gold
GEOLOGICAL SUMMARY: Flat-lying Tertiary andesite has been widely bleached and altered to potassium feldspar and sericite. Anomalous silver, gold and arsenic values are associated with a north trending silicified zone within the bleached area.
WORK DONE: Drilling
DIAD 892.1 m 6 hole(s);NQ
Map(s) - 2; Scale(s) - 1:5000,1:500
SAMP 188 sample(s) ;ME
RELATED REPORTS: 15298

LOG NO: 0223 RD.
ACTION: 2/89
FILE NO:

# OBOY JOINT VENTURE
# DIAMOND DRILLING 1987
# NAZKO, B C
# NTS: 93C/9 & 16

OMINECA MINING DIVISION

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,962

FILMED

Latitude: 52° 45'N
Longitude: 124° 15'W

Operator:
Lornex Mining Corporation Ltd
1650, 609 Granville Street
Vancouver B C V7Y 1G5

SUB-RECORDER
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M.R. # ..... $ .....
VANCOUVER, B.C.

Owners:
Lornex Mining Corporation Ltd/
Canadian Nickel Company Ltd

R M Cann
December 1987

# LIST OF CONTENTS

## LIST OF APPENDICES



## LIST OF FIGURES

SUMMARY

The Oboy 1-5 claims are located 120 km west of Quesnel in central British Columbia. Staking in 1985 was prompted by anomalous silver and arsenic values in silt samples from several adjacent drainages. Current exploration is being conducted under a joint venture agreement with Canadian Nickel Company Ltd.

The claims, which are mostly drift covered, are underlain by Lower Tertiary andesite flows, breccias and minor tuffs. Reconnaissance prospecting in 1985 and 1986 located five areas of silicified bedrock or subcrop containing anomalous arsenic ± silver ± gold values in rock and soil. The 1987 work concentrated on the largest area of alteration called the Camp Zone.

Diamond drilling totalling 892m followed 1987 field work consisting of detailed soil sampling, 204m of backhoe trenching, 11.25km of IP survey and 8.4km of magnetometer survey. Trenching and soil sampling were completed prior to formation of the joint venture with Canadian Nickel.

Drilling indicated the Camp Zone soil anomaly is underlain by an area of bleached, pyritic, K-feldspar flooded andesite. Within the bleached area are more restricted zones of quartz-pyrite veining, brecciation and pervasive quartz-sericite alteration which are associated with anomalous arsenic, silver and gold values. Highest values in a 2m drill core sample are 6.2ppm Ag, 320ppb Au and 995ppm As. Assuming continuity between drill sections, the zone of silicification appears to trend north-northeasterly.

Geological setting, alteration style and metal associations at Oboy are typical of adularia-sericite-type epithermal deposits such as Hasbrouck and Round Mountain in Nevada. Initial drilling in the Camp Zone has confirmed a large, attractive epithermal system. The zone should be further explored by diamond drilling and other alteration zones elsewhere on the property should be assessed.

# 1 INTRODUCTION

## 1.1 General

Between September 26 and October 21 1987 a programme of diamond drilling was completed in a drift covered area of the Oboy 4 claim. Work was designed to test coincident IP (chargeability) and arsenic-silver soil anomalies located earlier in 1987.

This report describes the work in detail and discusses the results of the programme.

Commencing in August 1987, exploration was conducted as a joint venture between Lornex Mining Corporation Ltd and Canadian Nickel Company Ltd.

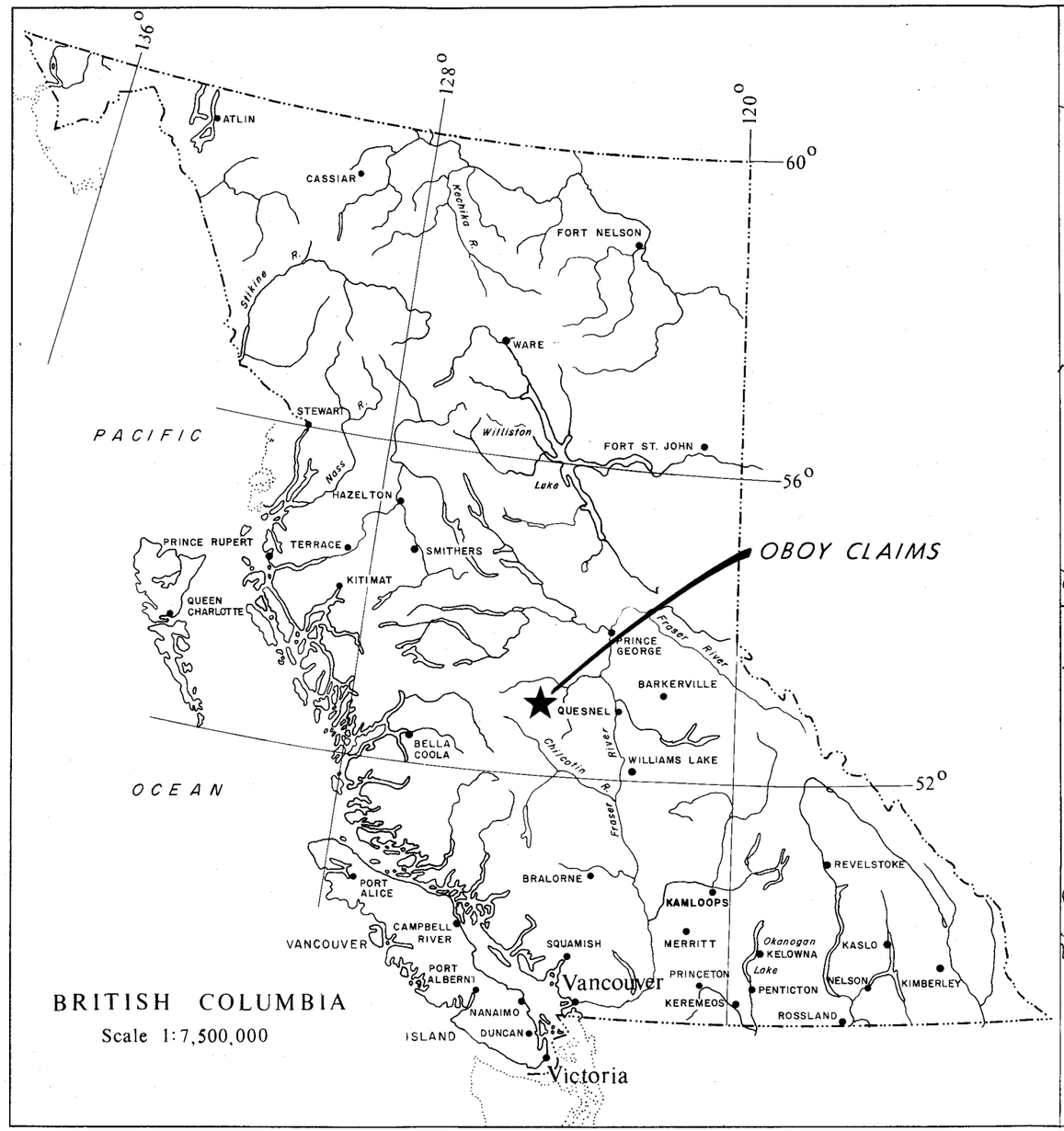
## 1.2 Location, Access and Physiography

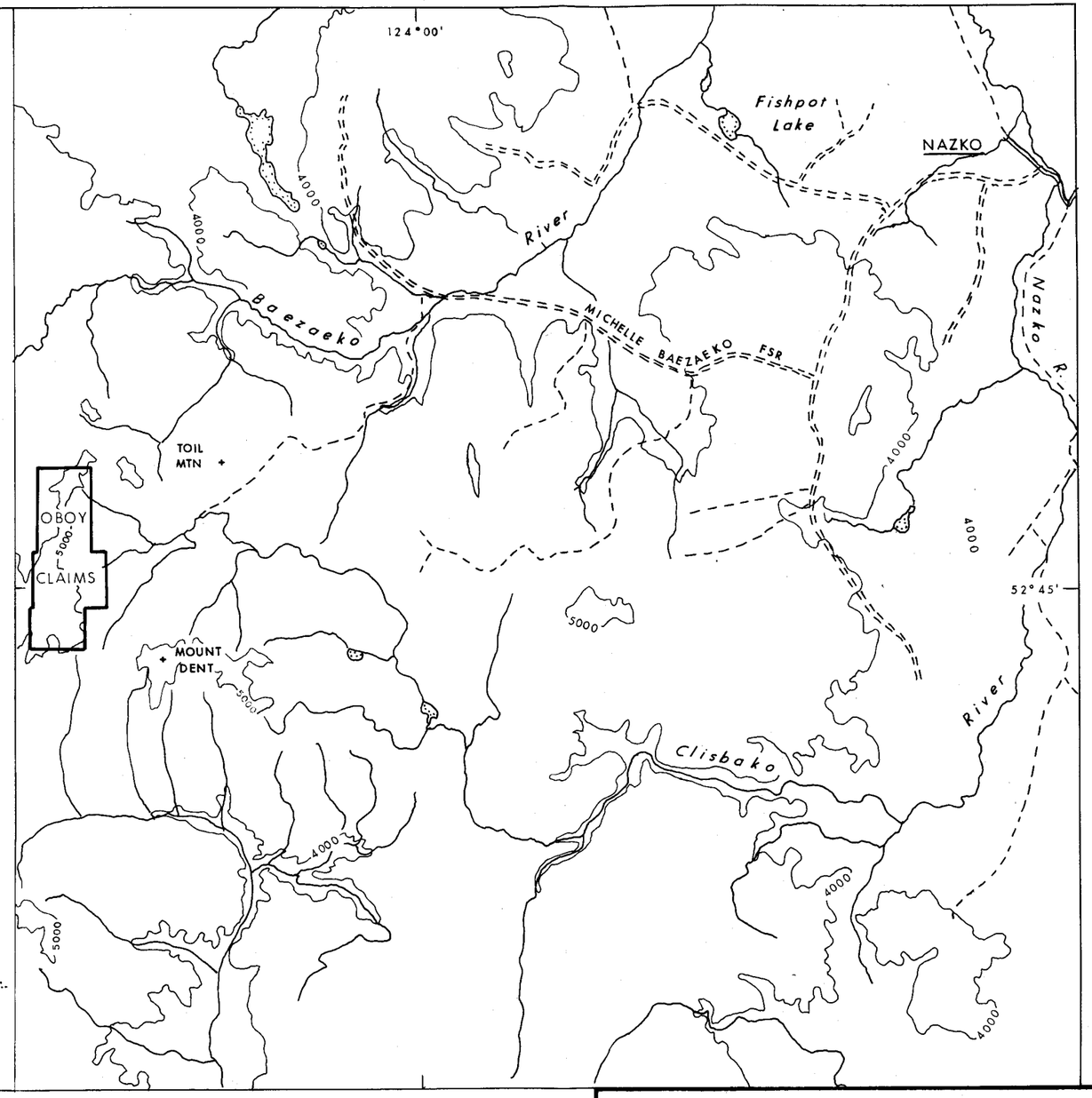
The claims are located in central British Columbia, 120km west of Quesnel and 135km south of Vanderhoof on NTS 93C/9 and 16 (Figure 1).

Current access is by helicopter from Quesnel, however, a fire access road ends at the Clisbako River approximately 6km east of the property. Closest two-wheel drive access is 15km to the northeast.

Topography is dominated by a gentle north-trending ridge over which the claims are centred. Elevations vary from 1400 masl near the camp to 1700 masl at the highest point on the ridge. Vegetation is dominantly lodge-pole pine with open meadows along stream valleys.

The property is cut by two seismic roads which are usable by tracked vehicles or by four-wheel drive trucks with some upgrading.



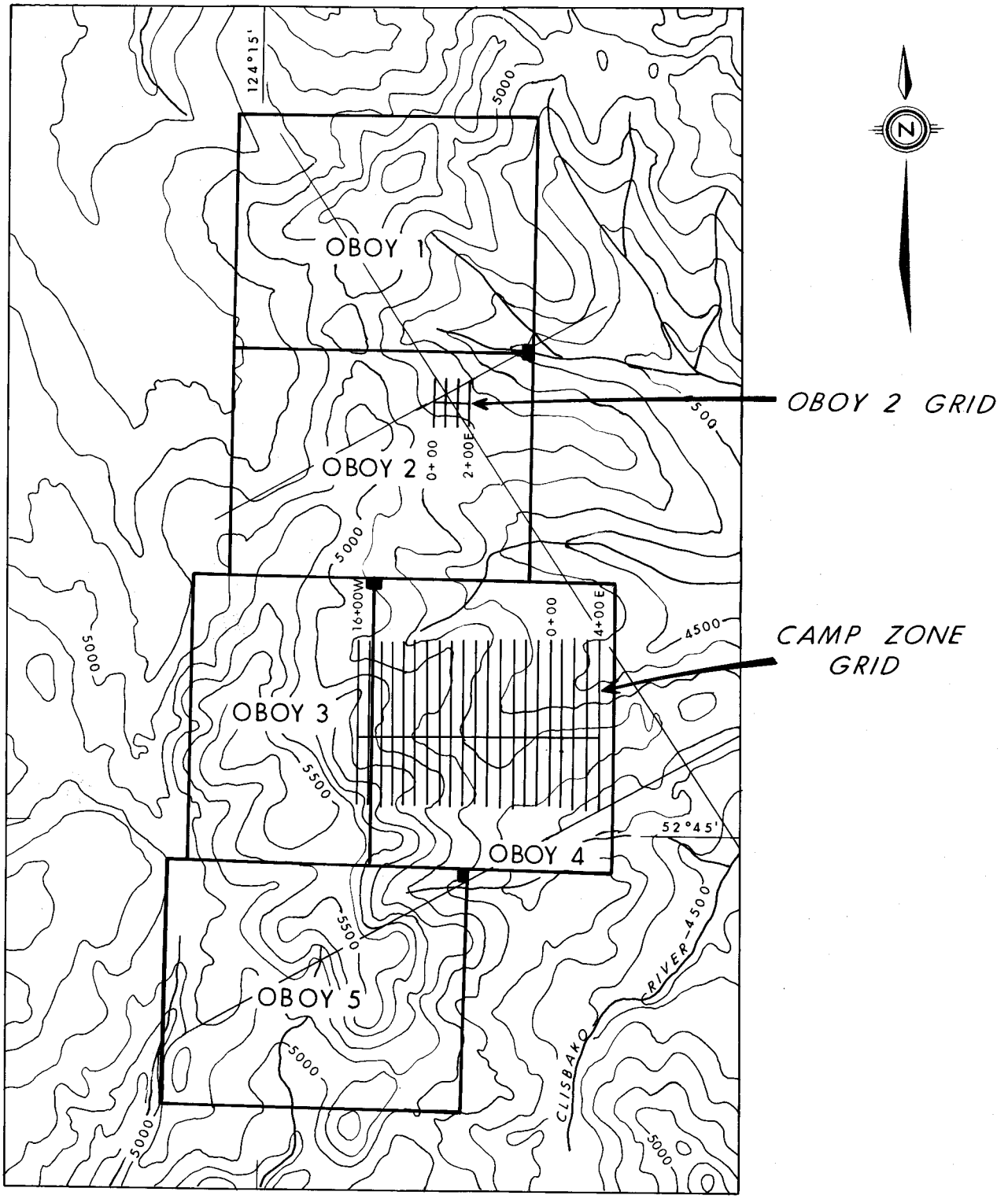





0 5 10 km

SCALE 1:250,000

| | | |
|---|---|---|
| LORNEX MINING CORPORATION LTD. | | |
| OBOY CLAIMS | | |
| LOCATION MAP | | |
| DATE<br>DEC. 1987 | DRAWN BY<br>R.M.C./J.S. | DWG.<br>L FIG. 1 |




NTS 93 C/16

0 1 2 3 km

Scale 1:50000

LORNEX MINING CORPORATION LTD.
OBOY CLAIMS

# CLAIM MAP AND GRID LOCATIONS

| | | |
|---|---|---|
| Azimuth Geological Ltd. | By : L.D.H.<br>Drawn : J.S.<br>Date : JULY 1987. | Fig. 2 |

## 1.3 Claim Status

The property consists of five contiguous mineral claims (Figure 2) located within the Cariboo Mining Division as described below:

| Claim | Units | Record Nos | Recorded | Expiry |
|---|---|---|---|---|
| Oboy 1 | 20 | 7140 | Sept 18 1985 | 1988 |
| Oboy 2 | 20 | 7141 | Sept 18 1985 | 1988 |
| Oboy 3 | 15 | 7142 | Sept 18 1985 | 1988 |
| Oboy 4 | 20 | 7143 | Sept 18 1985 | 1988 |
| Oboy 5 | 20 | 7144 | Sept 18 1985 | 1988 |

## 1.4 History

There was no known mineral exploration in the area prior to staking of the Oboy claims in 1985 by Rio Algom Exploration Inc. Staking covered an area from which several streams containing anomalous silver and arsenic values in silt originated. Claims were transferred to Lornex in August 1986.

In late August 1986, the entire property was prospected, mapped and soil sampled on a reconnaissance scale (Watkins & Atkinson 1986). This work located three broad areas with anomalous silver and arsenic values in soil and with silicified and bleached float. Alteration and metal associations indicated epithermal style mineralization.

## 2 DIAMOND DRILLING

### 2.1 General

Six NQ holes, totalling 892.13m, were drilled by P. McDonald Drilling Ltd between September 30 and October 21 1987. Five of these holes were drilled to test coincident high chargeability, low magnetic and high Ag-As soil geochemistry anomalies that are centred near L1+00S/0+00W and extend north and south sub-parallel to the baseline. The sixth hole was drilled to explore a high resistivity anomaly centred at L1+00S/2+00E (Figure 4). Drill hole locations are shown on Figure 4 and collar details are summarized below:

| DDH | LENGTH (m) | DIP | AZIMUTH | COLLAR ELV (m) | GRID COORDINATES |
|---|---|---|---|---|---|
| 1 | 130.15 | -50 | 090° | 100 (Datum) | L0+00N/0+25W |
| 2 | 153.92 | -50 | 090° | 114 | L1+00S/1+38E |
| 3 | 148.44 | -50 | 270° | 112 | L1+00S/0+50E |
| 4 | 197.21 | -47 | 270° | 112 | L1+00S/0+88E |
| 5 | 110.31 | -50 | 270° | 111 | L0+00N/1+13E |
| 6 | 152.10 | -50 | 090° | 106 | L3+00S/0+80W |
| | 892.13 | | | | |

A Bell 205 helicopter was used to transport the drill between the property and nearest logging road and a caterpillar D4 bulldozer was used to move between holes.

Drill core, containing sulphide mineralization and hydrothermal alteration, was split in two metre sections with half the core shipped to Acme Analytical Laboratories Ltd in Vancouver for 30 element induced coupled plasma analysis and geochemical FA/AA analysis for gold. Shorter sections were also sampled where quartz veining, sulphide mineralization and/or brecciation were considered important. Core is stored near the collar of DDH-1. Drilling was supervised in the field by contract geologist Bruce Laird.

## 2.2 Results

Drill sections, at a scale of 1:500, are plotted on Figure 3. Complete drill logs and drill core analyses are attached as Appendices B and C respectively.

The southeast portion of the Camp Zone grid is underlain by a sequence of inter-fingered and locally banded andesite flows and flow breccias. These rocks contain 3-5% pyroxene phenocrysts set in an aphanitic dark green to maroon matrix. Angular to sub angular matrix supported clasts within flow breccias vary from 0.5cm to 20cm across but are commonly 1cm to 5cm across and form 50% to 70% of the rock. Both the matrix and the fragments are composed of pyroxene porphyritic andesite with minor amounts of interstitial chlorite and calcite.

A poorly sorted, weakly laminated, two metre thick, pale green horizon of andesitic tuff was found in DDH-2 at a depth of 78 metres. Angular to flattened lithic fragments form 20% to 30% of this rock and are set in a fine-grained matrix (possibly ash). A similar ash like matrix associated with andesite flow breccia was encountered at the bottom of DDH-6.

A 2.5 metre thick horizon of "variolitic" andesite was noted at 115 metres in DDH-2. Grey white "varioles", between 0.5cm and 5cm across, form 40% of the rock and are seen in thin section to be circular to oval areas of fresh or weakly altered andesite.

Andesite flows and flow breccias within the drilled area are commonly bleached to a pale green colour and are mineralized with trace to 5% disseminated pyrite. Thin sections, feldspar staining and XRD analysis at the University of British Columbia, indicate that the bleaching is due to a combination of K-feldspar flooding and sericitization ($\pm$ illite). Chlorite commonly occurs as fracture coatings with calcite and pyrite or replacing pyroxene phenocrysts. Weathering and oxidation extends, on average, to a

depth of 35 metres. A brecciated, steeply dipping zone of sericitized to silicified lithic fragments cut by chalcedonic, drusy, pyritic silica veinlets was encountered in DDH-3, 4 and 5. A similar, though less intensely altered zone was found in hole DDH-6 (Figure 3).

DDH-1 partially tested the northern extent of the chargeability anomaly before being lost in a cave at 130 metres. An alternating series of bleached andesite flows and flow breccias containing a trace to 2% disseminated pyrite was found. Samples taken on either side of shears contain slightly elevated (25ppm - 63ppm) As values. Shears contain crushed sulphides and altered rock fragments and are therefore believed to be post mineralization. Silver is weakly anomalous above a shear near the bottom of the hole (125.38m to 127.07m) with a 5.38metre section (120.00m to 125.38m) averaging 1.2ppm Ag. Gold values are uniformly low.

DDH-5, collared 138 metres east of and drilled back towards DDH-1, tested the northern extent of the chargeability anomaly. A K-feldspar and sericite flooded zone cut by drusy, chalcedonic silica veinlets with up to 2% disseminated pyrite, extends from the top of the hole to a depth of 44 metres. Geochemical values for this zone range between 43ppm and 995ppm arsenic and 0.9 ppm and 6.2ppm silver. The best two metre sample (No: 17167, 38.00m to 40.00m) yielded 6.2 ppm Ag, 995 ppm As and 320ppb Au. Below this zone, andesite flows and flow breccias are variably altered by K-feldspar, chlorite, sericite and minor silica.

A high resistivity zone 200 metres east of the baseline was tested by DDH-2. This hole penetrated alternating horizons of andesite flows and flow breccias with minor andesitic tuffs and "variolitic" andesites. This package has been variably but weakly altered by sericite and K-feldspar. Geochemical results from DDH-2 are not encouraging with the highest sample running 0.6ppm Ag, 4ppm As and 1ppb Au.

DDH-3, located 138 metres west of DDH-2, tested the chargeability high on the baseline at line 1+00S. A zone of sericite and K-feldspar flooded, locally silicified, andesite flows and flow breccias cut by pyritic, drusy, chalcedonic silica veinlets was found between 5 metres and 37 metres. Below this zone, inter-fingered, weakly sericitic andesite flows and flow breccias averaging a trace to 1% disseminated pyrite were encountered. Although oxidized and weathered, samples from these zoneS of silicification yielded between 2.2ppm and 3.9ppm Ag and between 34 and 541ppm As. A high of 12ppb Au with 3.1ppm Ag, 541ppm As (Sample No 17084, 23.00m to 25.00m) is associated with a shear.

DDH-4 was collared 38 metres east of DDH-3 to intersect the silicified zone encountered at the top of DDH-3 below the effects of weathering. K-feldspar flooding, with sericite and drusy chalcedonic silica veinlets was encountered between 36 metres and 102 metres. This directly underlies the silicified zone found in DDH-3 and implies a vertical zone. Arsenic and silver geochemical values are anomalous over the entire zone, ranging from 19ppm to 4238ppm As and from 1.0ppm to 6.6ppm Ag. Gold is locally anomalous in this zone with one 2 metre sample (No: 17131, 81.00m to 83.00m) yielding 360ppm Au, 1.3ppm Ag and 4238ppm As. This sample is associated with minor silica veinlets. Below this zone, andesite flows and flow breccias similar in lithologies and alteration to those in DDH-3 were found.

The south end of the chargeability anomaly was tested with DDH-6. The hole was collared into a 10 metre section of bleached sericitic andesite flow breccia containing up to 2% disseminated pyrite. Underlying the breccia is a 130 metre section of andesite flows. A weak zone of silicification defined by sporadic, drusy and chalcedonic silica veinlets with 2% disseminated pyrite was found between 25 and 36 metres. This zone, possibly continuous with DDH's-3, 4 and 5, contains elevated silver (1.2ppm to 6.9ppm) and arsenic (25ppm to 148 ppm) values. A 19cm section containing drusy silica (No: 17182, 31.24m to 31.43m) yielded 6.9ppm Ag and

53ppm As. The highest gold value in DDH-6 came from a 1.24 metre sample with silica veinlets (No: 17181, 30.00m to 31.24m) yielding 9ppb Au 2.0ppm Ag and 148ppm As. Staining of samples from this zone shows intense K-feldspar flooding. Fresh pyroxene phenocrysts with biotite rims occur in andesite flows near the bottom of the hole.

Drilling indicated a sequence of andesite flows cut by a broad north-northwest trending zone of sericitization and K-feldspar flooding enclosing a narrower zone of epithermal drusy chalcedonic silica with anomalous arsenic and silver values. The zone, weakly mineralized with pyrite, flanks the east side of the chargeability anomaly.

# 3 GEOLOGY

## 3.1 Regional Geology

The Oboy claims lie near the western edge of a 40 x 50 km area underlain by Lower Tertiary Ootsa Lake Group felsic to basic sub-aerial volcanics, (GSC map 1202 A, 1969; GSC map 12-1959). Nazko village is located at the northeast corner of the area. These Lower Tertiary rocks appear to have formed a topographic high during the Miocene as the area is surrounded and invaded along valleys by Miocene Plateau basalts.

Few mineral prospects are known in the area, however, near Nazko, Newmont Mining and Lac Minerals are currently evaluating structurally controlled, epithermal precious metal mineralization in Lower Tertiary rocks.

## 3.2 Local Geology

Outcrops are generally restricted to higher ridges because of a thin but extensive glacial till cover at lower elevations. Geology is inferred from the few exposures, from diamond drilling and from geophysical data.

### 3.2.1 Lithology

Inferred geology and outcrop distribution for the Camp Zone Grid are shown on Figure 4. The dominant lithology both within the grid and elsewhere on the property is a dark grey-green aphanitic andesite (unit 1) with local flow-banding and variolitic (?) textures. When altered this unit contains up to 5% of 2 to 8mm mafic phenocrysts. In thin section, Unit 1 is divisible into two texturally distinct sub-units. The most common is a micro-porphyritic andesite consisting of 10-15% 0.1 to 1mm euhedral plagioclase crystals and 5% pyroxene crystals in a very fine-grained feldspar-rich mixture. The second sub-unit consists of 1-3% pyroxene phenocrysts in an aphanitic

trachytic matrix of sub-parallel plagioclase microlites. In drill core, flow breccia equivalents of Unit 1 are common.

Unit 2 consists of andesitic feldspar porphyry exposed in one outcrop located in the northwest corner of the Camp Zone Grid.

A distinctive two metre thick pale green, lithic ash tuff has been observed in DDH's 2 and 6 but has not been seen in outcrop.

### 3.2.2 Structure

Structure is not well understood because of poor exposure and limited drilling. Fractures noted in outcrops and trench exposures are predominantly north-south to north-northeast trending. A minor fracture pattern trends east-west. Shears noted in the trenches trend both north-south and east-west. IP and magnetometer data suggests major northwest trending structures.

Based on a few tentative lithological correlations between drill holes, rock units appear to be gently dipping.

### 3.2.3 Mineralization and Alteration

The Camp Zone, as defined by drilling to date, is characterized by a broad zone were the andesitic flows are pervasively bleached to a cream or pale grey colour and are mineralized with 1 to 3% disseminated pyrite. Study of thin sections and stained specimens has shown this bleaching is due mainly to K-feldspar (adularia (?)) flooding. Although not done in this current work, the K-feldspar zone can tentatively be divided into a K-feldspar + sericite and a K-feldspar + chlorite + carbonate facies. Limits of the K-feldspar alteration zone have not been defined by drilling with the exception of an eastern limit defined by DDH-2. Although DDH-2 is locally

bleached and "varioles" are selectively replaced by K-feldspar, alteration in this hole is generally weak and commonly characterized by a presence of chlorite and carbonate. Hydrothermal alteration down to a depth of 30m is partially obscured by supergene weathering and oxidation.

Anomalous arsenic, silver and gold values are associated with silicification within the K-feldspar (+ sericite) flooded zone. Silicification occurs most commonly as numerous vuggy quartz-pyrite veinlets and microveinlets and isolated small quartz-pyrite druses within the altered rock. Local pyritic zones up to 2m wide of intense silicification and brecciation occur within the broader areas of weak silicification.

## 4 DISCUSSION

Diamond drilling on the Camp Zone has located a broad zone of bleached, pyritic K-feldspar flooded rock. Within this area of hydrothermal alteration are more restricted steeply dipping zones of quartz-pyrite veining and variable pervasive silicification and sericitization. Silicification is accompanied by anomalous silver, arsenic and gold values. This zone of silicification appears to trend north-northeasterly (assuming continuity between drill sections) and has been tested by drilling for 300m along strike and to a maximum depth of 60m. Control and distribution of mineralization is poorly understood but is probably, in part, structurally controlled. Alteration style, Tertiary host rocks, anomalous arsenic values and vuggy quartz veinlets indicate mineralization is epithermal in origin.

Although geological data on the Camp zone is limited, several features such as extensive K-metasomatism, presence of sericite and chlorite and andesitic host rocks indicate mineralization belongs to the Adularia-Sericite-type epithermal deposit (Heald et al, 1987). Other deposits in this class include Creede, Colorado and Hasbrouck, Tonopah, Rochester and Round Mountain, Nevada. Extensive K-metasomatism has not been commonly documented in this class of epithermal deposit probably in part because of the difficulty in recognizing it.

An extensive K-enriched zone surrounds the Creede vein system where it is interpreted to be pre-ore and equivalent to a propylitic zone. Recent studies at Round Mountain have outlined an extensive, early K-feldspar + albite alteration zone (propylitic) together with a smaller asymmetrically superimposed K-feldspar + sericite zone. The bulk of the surface mineable gold ore occurs within the weaker K-feldspar + albite zone but mineralization does extend at depth into the K-feldspar + sericite zone. Based on an initial review, alteration features at Oboy appear similar to alteration described at Round Mountain.

## 5 RECOMMENDATIONS

The Camp Zone should be tested at deeper levels by diamond drilling. Core from the 1987 programme should be re-logged in detail to evaluate distribution of K-feldspar, sericite, chlorite and quartz and to re-check lithological correlations.

Further exploration of the property would be facilitated by extending the fire access road on the Clisbako River 6km into the property.

## 6 REFERENCES


Heald, P; Foley, N; and Hayba D; 1987: Comparative Anatomy of Volcanic-Hosted Epithermal Deposits : Acid Sulfate and Adularia-Sericite types, Ec Geol v 82, p 1-26.

Holmgren, L and Forbes, J; 1987 Geology, Geochemistry, Trenching and Crone Radem EM Surveys on the Oboy Claim Group, Private report for Lornex Mining Corporation Ltd.

Watkins, J and Atkinson, M; 1987 Geology, Soil and Rock Geochemistry on the Oboy claim Group, Private report for Lornex Mining Corporation Ltd.

7 STATEMENT OF QUALIFICATIONS

1 I am a geologist residing at 1260 Silverwood Crescent, North Vancouver, British Columbia and am employed by Lornex Mining Corporation Ltd of 1650, 609 Granville Street, Vancouver, British Columbia.

2 I am a graduate of the University of British Columbia with a B Sc (Geology) in 1976 and an M Sc (Geology) in 1979.

3 I have practiced my profession with Rio Algom, Lornex and other companies since gradation.

4 I am a Fellow of the Geological Association of Canada.

5 I personally supervised the diamond drilling programme conducted on the Oboy claims from September 26 to October 21 1987.

Bruce Laird, Graduate Geologist
1984, B. Sc. University of
British Columbia

Robert M Cann

Vancouver B C
January 1988

# APPENDIX A
# COST STATEMENT

OBOY JOINT VENTURE - 1987 COST STATEMENT

DIAMOND DRILLING

| | |
|---|---|
| Salaries | |
| Permanent: R Cann Sept 15 1987 - Feb 5 1988; 30 days | $ 4,368.00 |
| Temporary: B Laird Sept 18 - Nov 8 1987 @ $130/day | 8,960.00 |
| K McMillan Sept 24 - Oct 23 1987 @ $ 90/day | |
| Benefits - 25% | 3,332.00 |
| Travel | 2,624.00 |
| Accommodation and Food | 8,168.00 |
| Supplies | 5,557.00 |
| Shipping | 1,569.00 |
| Helicopter - Northern Mountain, Quesnel | 38,166.78 |
| Contract: | |
| Diamond Drilling - P McDonald Drilling 892m | 97,114.00 |
| Camp Construction/slashing - Van Alphen Exploration Services, Smithers | 7,251.45 |
| Thin Sections - Vancouver Petrographics | 164.50 |
| Analyses - Acme Analytical: 188 for ICP/Au (FA/AA) @ $14.75 | 2,773.00 |
| Drafting, copying | $ 721.00 |
| | $180,768.73 |

# APPENDIX B
# DIAMOND DRILL LOGS

# LORNEX MINING CORPORATION LTD. — DIAMOND DRILL LOG



PROPERTY: OBOY | LATITUDE: 0 + 00N | AZIMUTH: 090° | HOLE NO: DDH-1

NTS: 93C/9 & 16 | DEPARTURE: 0 + 25W | DIP: -50° | STARTED: SEPTEMBER 30 1987

LOGGED BY: BRUCE LAIRD | ELEVATION: 100m DATUM | DEPTH: 130.15m | COMPLETED: OCTOBER 2 1987

| % REC | INTERVAL(m) | ROCK TYPE / ALTERATION | MINERALIZATION / STRUCTURE | SAMPLE INTERVAL | SAMPLE NUMBER | ASSAYS | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Rec % | Ag ppm | Au ppb | As ppm | | | |
| | - 4.88 | CASING | | | | | | | | | | |
| | 4.88- 21.94 | ANDESITE FLOW - Pyroxene porphyritic andesite with 3-5% chloritized phenocrysts set in an aphanitic quartz (30%) clay matrix. Rock is highly fractured and bleached to a buff colour, trace pyrolusite occurs along fractures.<br>18.98 Calcite vein 7mm wide at 12 to C/A<br>21.60-21.94 Calcite in filling 1-3mm wide along fractures. | Trace pyrite occurs as cubes 1-2mm across associated with phenocrysts.<br>Fractures 3/10cm at 28 and 72 to C/A ( -80 ) | 12.49 - 14.49 | 17001 | 77% | 0.1 | 3 | 61 | | | |
| | 21.94- 23.77 | ANDESITE FLOW Pale green-grey porphyritic andesite as above but lacks bleaching. Locally brecciated along fractures. Chlorite (3-5%) occurs as 3-5cm wide bands, as fracture coatings and replacing phenocrysts.<br>22.04-22.08 Breccia.<br>22.08-22.58 Buff to rusty envelopes (1.5cm wide) on fractures.<br>22.89-22.95 Soft muddy core.<br>23.10-23.70 Rusty envelopes 1cm wide around fractures. | Trace pyrite disseminated throughout<br>Fractures, 3-5/10cm at 40 30 and 72 to C/A. | | | | | | | | | |
| | 23.77- 33.26 | ANDESITE FLOW Pale green grey, aphanitic, weakly clay altered quartz feldspar matrix containing 3-5% chloritized pyroxene phenocrysts.<br>24.50-24.73 Breccia around a fracture.<br>24.85-24.89 Breccia around a fracture.<br>25.01-25.29 Rusty envelopes 1.5cm wide on fractures.<br>25.39-25.93 Breccia fragments 1-2cm across<br>26.13 Calcite fracture filling, 5cm wide.<br>26.53-26.92 Highly fractured core. | Trace disseminated pyrite cubes up to 1mm across.<br><br>Fractures, 2-3/10cm at 60 , 33 and 10 to C/A. | 30.29 - 32.29 | 17002 | 89% | 0.1 | 1 | 7 | | | |

# LORNEX MINING CORPORATION LTD. — DIAMOND DRILL LOG



PROPERTY: OBOY
NTS: 93C/9 & 16
LOGGED BY: BRUCE LAIRD

LATITUDE: 0 + 00N
DEPARTURE: 0 + 25W
ELEVATION: 100m DATUM

AZIMUTH: 090o
DIP: -50°
DEPTH: 130.15m

HOLE NO: DDH-1
STARTED: SEPTEMBER 30 1987
COMPLETED: OCTOBER 2 1987

| % REC | INTERVAL(m) | ROCK TYPE / ALTERATION | MINERALIZATION / STRUCTURE | SAMPLE INTERVAL | SAMPLE NUMBER | ASSAYS | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Rec % | Ag | Au | As | | | |
| | | 27.72-28.47 Intensely fractured rubble.<br>29.84 Calcite fracture filling, 5mm wide.<br>29.99-30.40 Intensely fractured rubble. | 29.31 Weak banding shown by hematite smears 2cm wide at 72 to C/A. | | | | | | | | | |
| | 33.26- 35.97 | ANDESITE FLOW Highly fractured and blocky grey to buff coloured, with moderate clay alteration. Quartz occurs in matrix as round grey grains up to 1mm across. | Trace disseminated pyrite occurs throughout the matrix.<br>Weak banding at 64 to C/A. | | | | | | | | | |
| | 35.97- 36.32 | ANDESITE FLOW As above with only weak clay alteration. | | | | | | | | | | |
| | 36.32- 37.25 | ANDESITE FLOW BRECCIA Intense clay alteration with sericite. Calcite veins (5-10% calcite) up to 1.5cm across. Angular breccia fragments are up to 5 cm across. | | | | | | | | | | |
| | 37.25- 63.90 | ANDESITE FLOW Massive aphanitic grey to pinkish grey, weakly banded matrix with chloritized anhedral pyroxene phenocrysts.<br>43.26-43.89 Flow breeccia fragments up to 3cm across with clay altered rims and bleached cores.<br>44.84-45.89 Flow breccia as above.<br>46.99-47.06 Flow breccia with calcite fracture filling.<br>48.51 Trace calcite along fracture.<br>48.57-48.92 Flow breccia as above.<br>50.21-50.66 Flow breccia as above.<br>52.29-53.69 Bleached core cut by chloritic fractures<br>59.05-60.58 Sericite over printing of clay alteration. | Trace pyrite occurs as disseminated cubes throughout the rock.<br>42.00 Banding at 40 to C/A.<br>46.59 Banding at 62 to C/A.<br>49.32 Banding at 60 to C/A.<br>52.25 Banding at 63 to C/A.<br>54.04-54.34 1% Pyrite cubes 1-2mm across on chloritic fracture. | 58.71 - 60.71 | 17003 | 70% | 0.1 | 2 | 17 | | | |
| | 63.90- 66.00 | ANDESITE FLOW BRECCIA Bleached to moderately clay altered with sericite over | 1% Pyrite occurs as disseminated cubes 1-2mm across. | 64.00 - 66.00 | 17004 | 96% | 0.1 | 6 | 9 | | | |

# LORNEX MINING CORPORATION LTD. — DIAMOND DRILL LOG



PROPERTY: OBOY | LATITUDE: 0 + 00N | AZIMUTH: 090° | HOLE NO: DDH-1
NTS: 93C/9 & 16 | DEPARTURE: 0 + 25W | DIP: -50° | STARTED: SEPTEMBER 30 1987
LOGGED BY: BRUCE LAIRD | ELEVATION: 100m DATUM | DEPTH: 130.15m | COMPLETED: OCTOBER 2 1987

| % REC | INTERVAL(m) | ROCK TYPE / ALTERATION | MINERALIZATION / STRUCTURE | SAMPLE INTERVAL | SAMPLE NUMBER | ASSAYS Rec % | Ag | Au | As |
|---|---|---|---|---|---|---|---|---|---|
| | | printing giving the core a speckled appearance. | | | | | | | |
| | 66.00- 67.05 | ANDESITE FLOW Pale green clay sericite altered matrix with chloritized anhedral pyroxene phenocrysts and trace quartz carbonate patches 3mm x 1cm associated with chloritic fractures. | | 66.00 - 67.00 | 17005 | 90% | 0.2 | 1 | 14 |
| | 67.05- 78.21 | ANDESITE FLOW BRECCIA Weakly clay altered fragments supported in a pale green, aphanitic, strongly clay sericite altered matrix. Traces of quartz carbonate occur as patches up to 5mm across in the matrix. | 1% pyrite occurs as disseminated cubes up to 2mm across. | 67.05 - 69.00 | 17006 | 99% | 0.3 | 2 | 6 |
| | | | | 69.00 - 71.00 | 17007 | 96% | 0.9 | 1 | 7 |
| | | | | 71.00 - 73.00 | 17008 | 96% | 0.7 | 3 | 10 |
| | | | | 73.00 - 75.00 | 17009 | 100% | 0.4 | 2 | 17 |
| | | | | 75.00 - 77.00 | 17010 | 97% | 0.3 | 1 | 7 |
| | | | | 77.00 - 78.21 | 17011 | 94% | 0.4 | 1 | 13 |
| | 78.21- 81.41 | ANDESITE FLOW Massive, clay sericite altered, pale green grey with chloritized pyroxene phenocrysts. Traces of discontinuous silica micro veins cut the rock. | Trace disseminated pyrite cubes up to 1mm across. | 78.21 - 80.00 | 17012 | 96% | 0.4 | 7 | 5 |
| | | | | 80.00 - 81.41 | 17013 | 94% | 0.4 | 2 | 8 |
| | 81.41- 84.43 | ANDESITE FLOW BRECCIA Green grey, clay sericite altered, with fragments up to 5cm across. Traces of discontinuous silica microveins cut both the matrix and the fragments. | Trace to 1% pyrite is finely disseminated in the matrix. | 81.41 - 83.00 | 17014 | 90% | 1.0 | 3 | 25 |
| | | | | 83.00 - 84.43 | 17015 | 88% | 0.8 | 2 | 63 |
| | 84.43- 85.43 | FAULT GOUGE | | | | | | | |
| | 85.43- 88.33 | ANDESITE FLOW BRECCIA Fragments of intensely clay altered porphyritic andesite. Complete pale green clay mineral replacement with minor sericite fragments range from 0.5cm to 5cm across and are supported in an aphanitic, maroon, moderately clay altered matrix. | Trace to 1% pyrite occurs as finely disseminated cubes in the matrix. | 85.43 - 87.00 | 17016 | 95% | 0.7 | 1 | 31 |
| | | | | 87.00 - 88.33 | 17017 | 87% | 0.8 | 1 | 14 |

# LORNEX MINING CORPORATION LTD. — DIAMOND DRILL LOG



PROPERTY: OBOY | LATITUDE: 0 + 00N | AZIMUTH: 090° | HOLE NO: DDH-1
NTS: 93C/9 & 16 | DEPARTURE: 0 + 25W | DIP: -50° | STARTED: SEPTEMBER 30 1987
LOGGED BY: BRUCE LAIRD | ELEVATION: 100m DATUM | DEPTH: 130.15m | COMPLETED: OCTOBER 2 1987

| % REC | INTERVAL (m) | ROCK TYPE / ALTERATION | MINERALIZATION / STRUCTURE | SAMPLE INTERVAL | SAMPLE NUMBER | ASSAYS Rec % | Ag | Au | As |
|---|---|---|---|---|---|---|---|---|---|
| | 88.33- 90.58 | ANDESITE FLOW BRECCIA Banded fragments of porphyritic andesite orientated parallel to banding of the matrix. Distinct bands range fromn 0.3 to 3cm thick. Fragments are completely pale green clay altered and are supported in a grey, green to maroon aphanitic silica, clay matrix. | Banding at 69 to C/A. Disseminnated pyrite is rare. | 88.33 - 90.58 | 17018 | 96% | 0.5 | 1 | 6 |
| | 90.58- 91.16 | FAULT GOUGE | | | | | | | |
| | 91.16- 97.00 | ANDESITE FLOW Intensely clay altered, cut by chlorite carbonate veinlets or fracture coatings. Chloritized anhedral phenocrysts. | Chlorite/Carbonate fractures occur 4-5/ 10cm and are up to 3mm wide. Fractures trend 5 to C/A, 20 to C/A. | 91.16 - 93.00<br>93.00 - 95.00<br>95.00 - 97.00 | 17019<br>17020<br>17021 | 77%<br>83%<br>84% | 0.4<br>0.6<br>0.8 | 1<br>1<br>1 | 12<br>6<br>5 |
| | 97.00-108.72 | ANDESITE FLOW As above with moderate clay alteration.<br>100.92 5% pyrite along chlorite fracture. Resembles speckled rock seen above. | 102.40 Banding at 80 to C/A.<br>Trace to 1% disseminated pyrite.<br>106.60 banding at 85 to C/A. | 97.00 - 99.00<br>99.00 - 101.00<br>101.00 - 103.00<br>103.00 - 105.00<br>105.00 - 107.00<br>107.00 - 108.72 | 17022<br>17023<br>17024<br>17025<br>17026<br>17027 | 89%<br>86%<br>91%<br>91%<br>92%<br>94% | 0.7<br>0.5<br>0.7<br>0.5<br>1.1<br>0.5 | 1<br>1<br>1<br>1<br>2<br>1 | 9<br>7<br>2<br>5<br>7<br>6 |
| | 108.72-110.35 | ANDESITE FLOW Banded with chloritized anhedral phenocrysts (3%) set in a moderately clay altered pale green to whitish grey aphanitic matrix. Matrix contains 15-20% quartz grains <1mm across. Chloritic bands parallel to banding vary from 1mm to 1cm thick and contain trace amounts of disseminated pyrite. | Banding at 70 to C/A.<br>Chloritic fractures at 14 to C/A.<br>Trace pyrite associated with chloritic fractures. | 108.72 - 110.35 | 17028 | 92% | 0.8 | 2 | 3 |
| | 110.35-111.73 | ANDESITE FLOW Moderately clay altered with minor sericite. Locally a micro breccia due to chloritic fractures. | Trace pyrite occurs associated with chloritic fractures. | 110.35 - 111.73 | 17029 | 93% | 0.8 | 1 | 7 |

# LORNEX MINING CORPORATION LTD. — DIAMOND DRILL LOG



PROPERTY: OBOY | LATITUDE: 0 + 00N | AZIMUTH: 090° | HOLE NO: DDH-1
NTS: 93C/9 & 16 | DEPARTURE: 0 + 25W | DIP: -50° | STARTED: SEPTEMBER 30 1987
LOGGED BY: BRUCE LAIRD | ELEVATION: 100m DATUM | DEPTH: 130.15m | COMPLETED: OCTOBER 2 1987

| % REC | INTERVAL (m) | ROCK TYPE / ALTERATION | MINERALIZATION / STRUCTURE | SAMPLE INTERVAL | SAMPLE NUMBER | ASSAYS Rec % | Ag | Au | As |
|---|---|---|---|---|---|---|---|---|---|
| | 111.73-111.92 | GOUGE | | | | | | | |
| | 111.92-125.38 | ANDESITE FLOW BRECCIA Fragments are strongly clay altered porphyritic andesite, as above, ranging from 0.3-15cm across. Matrix is aphanitic grey brown weakly siliceous with 1% disseminated pyrite. Trace discontinuous silica micro veins cut both fragments and matrix. | 1% pyrite finely disseminated in the matrix. | 111.92 - 114.00 | 17030 | 97% | 0.9 | 1 | 6 |
| | | | | 114.00 - 116.00 | 17031 | 92% | 0.6 | 1 | 13 |
| | | | | 116.00 - 118.00 | 17032 | 100% | 0.7 | 1 | 16 |
| | | | | 118.00 - 120.00 | 17033 | 84% | 0.8 | 1 | 14 |
| | | | | 120.00 - 122.00 | 17034 | 93% | 1.2 | 1 | 23 |
| | | | | 122.00 - 124.00 | 17035 | 100% | 1.2 | 2 | 13 |
| | | | | 124.00 - 125.38 | 17036 | 100% | 1.3 | 1 | 22 |
| | 125.38-127.07 | RUBBLE TO GOUGE - volcanic breccia to massive clay altered porphyritic andesite. | | | | | | | |
| | 127.07-128.87 | ANDESITE FLOW Whitish grey, clay altered. Local trace chlorite, calcite fracture coatings with 1-3% very fine grain pyrite. Trace pyrite finely disseminated in matrix. | Chloritic fractures subparallel to C/A. | 127.07 - 128.87 | 17037 | 79% | 1.2 | 1 | 20 |
| | 128.87-129.70 | ANDESITE FLOW BRECCIA Banded, moderate to strongly clay altered with minor sericite. Fragments 1cm x 4cm elongated parallel to banding. | Trace pyhrite occurs as disseminated up to 1mm across associated with chloritic spots. Banding at 68 to C/A. | 128.87 - 129.70 | 17038 | 100% | 0.7 | 2 | 5 |
| | 129.70-130.15 | RUBBLE AND GOUGE | | | | | | | |
| | | END OF HOLE - CORE BARREL LOST WHILE REAMING THROUGH CAVE IN NEAR TOP OF HOLE. HOLE HAD TO BE ABANDONED | | | | | | | |

# LORNEX MINING CORPORATION LTD. — DIAMOND DRILL LOG



PROPERTY: OBOY
NTS: 93C/9 & 16
LOGGED BY: BRUCE LAIRD

LATITUDE: 1 + 00S
DEPARTURE: 1 + 38E
ELEVATION: 114m (HOLE 1 DATUM)

AZIMUTH: 090°
DIP: -50°
DEPTH: 153.92m

HOLE NO: DDH-2
STARTED: OCTOBER 2 1987
COMPLETED: OCTOBER 11 1987

| % REC | INTERVAL (m) | ROCK TYPE / ALTERATION | MINERALIZATION / STRUCTURE | SAMPLE INTERVAL | SAMPLE NUMBER | ASSAYS | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Rec % | Ag ppm | Au ppb | As ppm | | | |
| | 0- 4.88 | OVERBURDEN | | | | | | | | | | |
| | 4.88- 16.30 | ANDESITE FLOW<br>4.88-9.50 Highly fractured, broken and bleached due to weathering. Grey white colour with pyroxene phenocrysts, 3-5%, up to 5mm across set in an aphanitic quartz feldspar matrix. | | | | | | | | | | |
| | | 9.50-10.50 Weakly banded dark green to maroon colour. Competent core. Dendritic pyrolusite along fracture. | Banding at 80 to C/A. | | | | | | | | | |
| | | 10.50-14.92 Highly fractured broken core with trace calcite along fractures. | | | | | | | | | | |
| | | 14.92-1630 Weakly banded competent core. | Banding at 85 to C/A. | | | | | | | | | |
| | 16.30- 20.93 | FAULT BRECCIA | Upper contact 40 to C/A.<br>Banding contact = 40 | | | | | | | | | |
| | 20.93- 60.46 | ANDESITE FLOW Partially competent porphyritic andesite as above.<br>22.23-26.52 Broken rubble.<br>23.77-26.52 15% recovery. | | | | | | | | | | |
| | | 26.52-32.00 Calcite and chlorite occur on fractures. | Fractures 3-7/10cm trending 18 , 38 and 90 to C/A. | | | | | | | | | |
| | | 32.00-33.95 Highly fractured and broken core. | | | | | | | | | | |
| | | 36.22-37.44 Highly fractured and broken core. | | | | | | | | | | |
| | | 37.90-39.01 Rubble<br>42.87-43.59 Rubble<br>45.02-45.42 Rubble<br>49.40-50.00 Rubble | | | | | | | | | | |
| | | 51.92-52.46 Banded and speckled<br>53.23-54.11 Chloritic bands containing 1-2% pyrite as cubes up to 2mm across. | Banding at 59 to C/A.<br>Banding at 78 to C/A. | 53.23 - 54.11 | 17039 | 96% | 0.5 | 2 | 4 | | | |

# LORNEX MINING CORPORATION LTD. — DIAMOND DRILL LOG



PROPERTY: OBOY | LATITUDE: L1 + 00S | AZIMUTH: 090° | HOLE NO: DDH-2
NTS: 93C/9 & 16 | DEPARTURE: 01 + 38E | DIP: -50° | STARTED: OCTOBER 2 1987
LOGGED BY: BRUCE LAIRD | ELEVATION: 114m (HOLE 1 DATUM) | DEPTH: 153.92m | COMPLETED: OCTOBER 11 1987

| % REC | INTERVAL (m) | ROCK TYPE / ALTERATION | MINERALIZATION / STRUCTURE | SAMPLE INTERVAL | SAMPLE NUMBER | ASSAYS Rec % | Ag | Au | As |
|---|---|---|---|---|---|---|---|---|---|
| | | 57.82-59.24 Weakly brecciated by chlorite/calcite coated fractures. 59.24-60.46 Bleached and speckled micro breccia | | | | | | | |
| | 60.46- 78.00 | ANDESITE FLOW BRECCIA Green to maroon porphyritic, with fragments up to 10cm across supported in an aphanitic andesitic matrix locally banded and bleached. 63.81-64.57 Bleached 65.07-65.40 Bleached 69.49-69.97 Gouge | Banding at 43 to C/A. | | | | | | |
| | | 69.49-78.00 Pale green grey colour. Moderate clay alteration with minor sericite. | Trace to 1% pyrite occurs as disseminated cubes up to 2mm across. | 69.49 - 72.00 | 17040 | 100% | 0.4 | 1 | 3 |
| | | | | 72.00 - 74.00 | 17041 | 97% | 0.3 | 1 | 3 |
| | | | | 74.00 - 76.00 | 17042 | 97% | 0.4 | 1 | 5 |
| | | | | 76.00 - 78.00 | 17043 | 100% | 0.5 | 1 | 5 |
| | 78.00- 80.00 | ANDESITE GRIT Pale green, poorly sorted with weak thin laminations. Fragments up to 1cm across. | | 78.00 - 80.00 | 17044 | 91% | 0.5 | 1 | 7 |
| | 80.00- 86.69 | ANDESITE FLOW BRECCIA as above | | 80.00 - 82.00 | 17045 | 97% | 0.4 | 1 | 5 |
| | | | | 82.00 - 84.00 | 17046 | 93% | 0.5 | 1 | 4 |
| | | | | 84.00 - 86.00 | 17047 | 100% | 0.6 | 1 | 2 |
| | 86.69- 98.33 | ANDESITE FLOW Contains 3% chloritized pyroxene phenocrysts set in an aphanitic weakly to moderately clay altered matrix cut by chlorite/calcite micro veins. | Trace pyrite associated with micro veins. | 86.69 - 88.31 | 17048 | 98% | 0.4 | 1 | 2 |
| | | | | 88.31 - 89.48 | 17049 | 100% | 0.3 | 1 | 2 |
| | | 88.31-89.48 Red brown weakly siliceous bands up to 2cm wide containing 1-2% cubes up to 2cm across. | Bands at 50 to C/A. | | | | | | |
| | | 90.11 Calcite patch 2cm across. | 90.55 weak banding at 47 to C/A. 90.98 Calcite coated fracture with 3% pyrite. | 89.48 - 91.00 | 17050 | 87% | 0.4 | 2 | 2 |

# LORNEX MINING CORPORATION LTD. — DIAMOND DRILL LOG



PROPERTY: OBOY | LATITUDE: L1 + 00S | AZIMUTH: 090° | HOLE NO: DDH-2
NTS: 93C/9 & 16 | DEPARTURE: 01 + 38E | DIP: -50° | STARTED: OCTOBER 2 1987
LOGGED BY: BRUCE LAIRD | ELEVATION: 114m (HOLE 1 DATUM) | DEPTH: 153.92m | COMPLETED: OCTOBER 11 1987

| % REC | INTERVAL (m) | ROCK TYPE / ALTERATION | MINERALIZATION / STRUCTURE | SAMPLE INTERVAL | SAMPLE NUMBER | ASSAYS Rec% | Ag | Au | As |
|---|---|---|---|---|---|---|---|---|---|
| | | 91.10-91.22 Micro breccia with trace calcite patches. | 91.33 Weak banding at 57 to C/A. | 91.00 - 93.00 | 17051 | 100% | 0.5 | 1 | 2 |
| | | 92.28-92.62 Micro breccia as above. | | | | | | | |
| | | 93.00-93.30 Trace-1% calcite in patches up to 1cm across. | | 93.00 - 95.00 | 17052 | 100% | 0.4 | 1 | 2 |
| | | 94.75 Calcite patch 2cm across with 2% pyrite cubes up to 1mm across. | | | | | | | |
| | | 95.00-97.00 Up to 20% maroon weakly siliceous bands up to 5cm wide with white bleached envelopes. | Bands at 55 to C/A. | 95.00 - 97.00 | 17053 | 100% | 0.3 | 1 | 2 |
| | 98.33-109.66 | ANDESITE FLOW BRECCIA Weakly banded, grey white with fragments supported in a chlorite clay matrix. Local chlorite coated fractures with 5% pyrite, fragments are weakly siliceous. Mottled core. | Banding at 57 to C/A | 98.33 - 100.00 | 17054 | 96% | 0.5 | 1 | 2 |
| | | | | 100.0 - 102.00 | 17055 | 96% | 0.4 | 1 | 2 |
| | | 102.00-102.97 Trace to 1% calcite in patches 1cm across or bands 3mm wide. | Calcite bands at 68 to C/A | 102.00 - 104.00 | 17056 | 86% | 0.3 | 1 | 2 |
| | | 104.00-106.00 As above with up to 2% total pyrite. | Pyrite occurs along fractures associated with chlorite and/or calcite. | 104.00 - 106.00 | 17057 | 90% | 0.5 | 1 | 3 |
| | | | | 106.00 - 108.00 | 17058 | 100% | 0.6 | 1 | 2 |
| | | 108.20-108.25 Highly fractured. | | 108.00 - 109.66 | 17059 | 100% | 0.5 | 1 | 6 |
| | | 108.75-108.80 Highly fractured. | | | | | | | |
| | | 109.13-109.33 Maroon matrix. | | | | | | | |
| | 109.66-115.33 | ANDESITE FLOW Cut by chloritic fractures (4/10cm) with 3-5% pyrite along fracture, trace calcite associated with chlorite. Weak to moderate clay alteration. Locally silicieous. | 1% Total pyrite. | 109.66 - 111.00 | 17060 | 99% | 0.4 | 1 | 8 |
| | | | | 111.00 - 113.00 | 17061 | 100% | 0.2 | 1 | 2 |
| | | | | 113.00 - 115.00 | 17062 | 99% | 0.3 | 1 | 3 |
| | 115.33-117.76 | VARIOLITIC ANDESITE Weakly banded with grey green variolites 5mm-5cm across, supported in a chlorite clay matrix. Trace to 1% calcite occurs in matrix. Trace pyrite occurs as cubes 1mm across along fractures. 40% variolites. | Banding at 81 to C/A. | 115.33 - 117.00 | 17063 | 100% | 0.4 | 1 | 3 |

# LORNEX MINING CORPORATION LTD. — DIAMOND DRILL LOG



PROPERTY: OBOY
NTS: 93C/9 & 16
LOGGED BY: BRUCE LAIRD

LATITUDE: L1 + 00S
DEPARTURE: 01 + 38E
ELEVATION: 114m (HOLE 1 DATUM)

AZIMUTH: 090°
DIP: -50°
DEPTH: 153.92m

HOLE NO: DDH-2
STARTED: OCTOBER 2 1987
COMPLETED: OCTOBER 11 1987

| % REC | INTERVAL(m) | ROCK TYPE / ALTERATION | MINERALIZATION / STRUCTURE | SAMPLE INTERVAL | SAMPLE NUMBER | ASSAYS Rec % | Ag | Au | As |
|---|---|---|---|---|---|---|---|---|---|
| | 117.76-120.57 | ANDESITE FLOW BRECCIA Fragments supported in a matrix of clay with minor sericite and chlorite/calcite. Fragments (80%) are angular and range from 0.5-3cm across. | Trace to 1% disseminated pyrite cubes up to 1mm across. | 118.00 - 120.00 | 17064 | 100% | 0.6 | 1 | 4 |
| | 120.57-129.54 | ANDESITE FLOW Cut by chlorite/calcite veins, locally brecciated by chlorite trace to 1% pyrite occurs as cubes up to 2mm across. Calcite occurs filling open spaces with pyrite and chlorite. 127.66-129.00 Weakly brecciated, lacks chloritic fractures. | Fractures up to 9/10cm randomly orientated. 127.40 Banding at 42 to C/A. | 121.00 - 123.00 | 17065 | 100% | 0.5 | 1 | 6 |
| | | | | 123.00 - 125.00 | 17066 | 100% | 0.3 | 1 | 6 |
| | | | | 125.00 - 127.00 | 17067 | 100% | 0.5 | 1 | 6 |
| | | | | 127.00 - 129.00 | 17068 | 100% | 0.1 | 1 | 6 |
| | 129.54-132.00 | ANDESITE FLOW BRECCIA Clay altered porphyritic andesite. Fragments supported in a chlorite, clay aphanitic greeen matrix. | | 130.00 - 132.00 | 17069 | 100% | 0.1 | 2 | 7 |
| | 132.00-144.57 | ANDESITE FLOW Weak clay alteration, moderately silicious, possible fresh rock. Chloritized subhedral phenos (3-5%). Trace to 1% pyrite, 2mm cubes. | 141.33-144.57 Weak banding at 85 to C/A. | 134.00 - 136.00 | 17070 | 100% | 0.2 | 1 | 3 |
| | | | | 142.00 - 144.00 | 17071 | 96% | 0.1 | 1 | 2 |
| | 144.57-144.78 | BROKEN RUBBLE | | | | | | | |
| | 144.78-149.00 | ANDESITE FLOW BRECCIA Locally a micro breccia. Fragments range from 3mm to 7cm across set in aphanitic pale green clay altered matrix with trace sericite. 145.52-146.40 Maroon matrix. | | 145.00 - 147.00 | 17072 | 90% | 0.1 | 1 | 2 |
| | | | | 147.00 - 149.00 | 17073 | 100% | 0.4 | 1 | 2 |
| | 149.00-153.92 | ANDESITE FLOW BRECCIA Micro breccia as above. | | 149.00 - 151.00 | 17074 | 100% | 0.4 | 1 | 2 |
| | | | | 151.00 - 153.00 | 17075 | 100% | 0.2 | 2 | 2 |
| | | | END OF HOLE | | | | | | |

# LORNEX MINING CORPORATION LTD. — DIAMOND DRILL LOG



PROPERTY: OBOY | LATITUDE: 1 + 00S | AZIMUTH: 270° | HOLE NO: DDH-3
NTS: 93C/9 & 16 | DEPARTURE: 0 + 50E | DIP: -50° | STARTED: OCTOBER 11 1987
LOGGED BY: BRUCE LAIRD | ELEVATION: 112m (HOLE 1 DATUM) | DEPTH: 148.44m | COMPLETED: OCTOBER 13 1987

| % REC | INTERVAL(m) | ROCK TYPE / ALTERATION | MINERALIZATION / STRUCTURE | SAMPLE INTERVAL | SAMPLE NUMBER | ASSAYS | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Rec % | Ag ppm | Au ppb | As ppm | | | |
| | - 5.49 | CASING | | | | | | | | | | |
| | 5.49- 16.70 | ANDESITE FLOW Highly broken and bleached, white to grey, locally an epithermal breccia. Grey silica matrix supporting fragments up to 2cm across. Trace rusty quartz druses. Fractures are limonite coated. | Trace to 1% very fine-grained pyrite associated with druses. | | | | | | | | | |
| | | 6.58-7.27 Rubble | | | | | | | | | | |
| | | 7.43-8.04 Epithermal breccia, trace quartz druses up to 7mm across | | 7.43 - 9.43 | 17076 | 76% | 2.2 | 1 | 53 | | | |
| | | 8.59-9.43 Rubble with trace epithermal breccia. Epithermal breccias - 1 phase visible, clay altered, bleached fragments. | | 9.43 - 11.00 | 17077 | 89% | 3.7 | 1 | 35 | | | |
| | | 10.56-10.70 Epithermal breccia. | | 11.00 - 13.00 | 17078 | 84% | 3.7 | 1 | 34 | | | |
| | | 11.00-11.04 Epithermal breccia. | | 13.00 - 15.00 | 17079 | 82% | 3.2 | 2 | 102 | | | |
| | | 11.79-12.16 Epithermal breccia. | | 15.00 - 17.00 | 17080 | 100% | 3.4 | 3 | 157 | | | |
| | | 12.62-13.31 Epithermal breccia. | | | | | | | | | | |
| | | 14.41-15.03 Epithermal breccia. | | | | | | | | | | |
| | | 15.24-16.52 Epithermal breccia. | | | | | | | | | | |
| | | 16.66-17.11 Weak epithermal breccia. | | | | | | | | | | |
| | 16.70- 37.00 | ANDESITE BRECCIA Locally rebrecciated epithermally. | Trace pyrite associated with epithermal breccia. | 17.00 - 19.00 | 17081 | 90% | 2.8 | 7 | 473 | | | |
| | | 17.81-17.83 Rusty breccia. | | | | | | | | | | |
| | | 18.01-18.47 Weak epithermal breccia. | | | | | | | | | | |
| | | 19.00-21.00 Trace druses (1cm) along rusty fractures 1/10cm. | | 19.00 - 21.00 | 17082 | 96% | 3.1 | 1 | 73 | | | |
| | | 24.31-26.12 Rubble containing 1% pyrite, very fine grained. | | 21.00 - 23.00 | 17083 | 95% | 3.5 | 1 | 176 | | | |
| | | 26.26-26.54 Rubble as above. | | 23.00 - 25.00 | 17084 | 79% | 3.1 | 12 | 541 | | | |
| | | 27.55-30.85 Rubble. | | 25.00 - 27.00 | 17085 | 87% | 3.2 | 2 | 293 | | | |
| | | 31.12-31.82 Intense clay alteration, soft broken core. | | 27.00 - 29.00 | 17086 | 61% | 3.4 | 1 | 86 | | | |
| | | | | 29.00 - 31.00 | 17087 | 90% | 3.3 | 1 | 64 | | | |
| | | | | 31.00 - 33.00 | 17088 | 99% | 3.2 | 4 | 394 | | | |

# LORNEX MINING CORPORATION LTD. — DIAMOND DRILL LOG



PROPERTY: OBOY | LATITUDE: L1 + 00S | AZIMUTH: 270° | HOLE NO: DDH-3
NTS: 93C/9 & 16 | DEPARTURE: 00 + 50E | DIP: -50° | STARTED: OCTOBER 11 1987
LOGGED BY: BRUCE LAIRD | ELEVATION: 112m (HOLE 1 DATUM) | DEPTH: 148.44m | COMPLETED: OCTOBER 13 1987

| % REC | INTERVAL(m) | ROCK TYPE / ALTERATION | MINERALIZATION / STRUCTURE | SAMPLE INTERVAL | SAMPLE NUMBER | ASSAYS | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Rec % | Ag | Au | As | | | |
| | | 31.82-31.90 Silica replaced fragments in silica matrix with 1% fine-grained pyrite. Trace to 1% quartz druses. | | | | | | | | | | |
| | | 31.90-35.30 Clay altered porphyritic andesite flow cut by chloritic fractures. Trace open spaces along fracture. | | 33.00 - 35.00 | 17089 | 63% | 3.5 | 1 | 42 | | | |
| | | 34.40-34.55 Rubble | | | | | | | | | | |
| | | 35.30-35.93 Weak epithermal breccia with trace quartz druses up to 1cm across. Clay altered fragments in a clay, chlorite silica matrix. | | 35.00 - 37.00 | 17090 | 73% | 3.9 | 1 | 74 | | | |
| | 37.00- 54.10 | ANDESITE FLOW Porphyritic with chlorite and trace pyrite occurring along fractures (up to 7/10cm). | | 38.00 - 40.00 | 17091 | 99% | 2.7 | 1 | 18 | | | |
| | | 45.00-47.00 trace quartz druses with very fine grain pyrite. | | 45.00 - 47.00 | 17092 | 88% | 2.2 | 1 | 28 | | | |
| | | 47.25-54.10 Rubble. | | | | | | | | | | |
| | 54.10- 92.54 | ANDESITE FLOW BRECCIA | | | | | | | | | | |
| | | 59.55-59.75 Breccia with 10% fine grain pyrite rimming fragments. Trace chalco-pyrite with pyrite. | | 57.00 - 59.00 | 17093 | 78% | 1.2 | 1 | 17 | | | |
| | | | | 59.00 - 61.00 | 17094 | 100% | 1.5 | 2 | 14 | | | |
| | | 62.43-63.25 Massive dark green andesite. | | 73.00 - 75.00 | 17095 | 98% | 1.3 | 1 | 7 | | | |
| | | 81.00-85.12 Broken core. | | | | | | | | | | |
| | | 90.13-90.83 Weakly brecciated by chlorite | | | | | | | | | | |
| | 92.54- 95.82 | ANDESITE FLOW BRECCIA Weakly brecciated with calcite filling open spaces up to 1cm across. Trace pyrite occurs along fractures. | | | | | | | | | | |

# LORNEX MINING CORPORATION LTD. — DIAMOND DRILL LOG



PROPERTY: OBOY
NTS: 93C/9 & 16
LOGGED BY: BRUCE LAIRD
LATITUDE: L1 + 00S
DEPARTURE: 00 + 50E
ELEVATION: 112m (HOLE 1 DATUM)
AZIMUTH: 270°
DIP: -50°
DEPTH: 148.44m
HOLE NO: DDH-3
STARTED: OCTOBER 11 1987
COMPLETED: OCTOBER 13 1987

| % REC | INTERVAL(m) | ROCK TYPE / ALTERATION | MINERALIZATION / STRUCTURE | SAMPLE INTERVAL | SAMPLE NUMBER | ASSAYS | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Rec % | Ag | Au | As | | | |
| | 95.82-102.87 | ANDESITE FLOW Grey green colour cut by chloritic fractures with local calcite open space filings. Trace pyrite occurs along fractures. | | | | | | | | | | |
| | | 96.62-97.84 Rubble | | 98.00 - 100.00 | 17096 | 98% | 1.7 | 1 | 41 | | | |
| | 102.87-103.14 | GOUGE | | | | | | | | | | |
| | 103.14-130.28 | ANDESITE FLOW BRECCIA 60-70% fragments up to 5cm across, with bleached grey clay altered margins, set in pale to dark green chlorite clay matrix. Trace pyrite disseminated in the matrix. | | 104.00 - 106.00 | 17097 | 89% | 1.2 | 1 | 12 | | | |
| | | 107.13-117.07 Lacks alteration - green fragments in grey aphanitic matrix. | | | | | | | | | | |
| | | 117.07-118.29 Rubble, clay, chlorite | | 117.00 - 119.00 | 17098 | 99% | 1.8 | 1 | 17 | | | |
| | | matrix with trace to 1% pyrite occuring | | 120.00 - 122.00 | 17099 | 86% | 0.8 | 6 | 212 | | | |
| | | finely disseminated in the matrix. | | 122.00 - 124.00 | 17100 | 98% | 1.1 | 1 | 12 | | | |
| | | 120.17-130.28 Clay chlorite matrix. Trace | | 124.00 - 126.00 | 17101 | 98% | 2.0 | 1 | 9 | | | |
| | | vuggy, with trace to 1% pyrite. Trace | | 126.00 - 128.00 | 17102 | 96% | 1.4 | 2 | 6 | | | |
| | | calcite filling open spaces. | 129.69 Banding at 80 to C/A | 128.00 - 130.00 | 17103 | 100% | 1.5 | 1 | 10 | | | |
| | 130.28-131.52 | ANDESITE FLOW Porphyritic, cut by chlorite fractures. Weakly banded. | Banding at 62 to C/A | | | | | | | | | |
| | 131.52-141.71 | ANDESITE FLOW BRECCIA Matrix comprised of chloritic aphanitic volcanic material with trace disseminated pyrite and local calcite filling open spaces. | | | | | | | | | | |
| | | 140.14-141.00 Rubble. | | 139.00 - 141.00 | 17104 | 80% | 0.9 | 3 | 5 | | | |
| | 141.71-142.07 | RUBBLE AND GOUGE | | | | | | | | | | |
| | 142.07-148.44 | ANDESITE FLOW Porphyritic cut by chlorite coated fractures with trace pyrite. | | 146.00 - 148.00 | 17105 | 88% | 1.4 | 1 | 11 | | | |
| | | | END OF HOLE | | | | | | | | | |

# LORNEX MINING CORPORATION LTD. — DIAMOND DRILL LOG



PROPERTY: OBOY
NTS: 93C/9 & 16
LOGGED BY: BRUCE LAIRD

LATITUDE: 1 + 00S
DEPARTURE: 0 + 87.5E
ELEVATION: 112m (HOLE 1 DATUM)

AZIMUTH: 270°
DIP: -47°
DEPTH: 197.21m

HOLE NO: DDH-4
STARTED: OCTOBER 14 1987
COMPLETED: OCTOBER 16 1987

| % REC | INTERVAL(m) | ROCK TYPE / ALTERATION | MINERALIZATION / STRUCTURE | SAMPLE INTERVAL | SAMPLE NUMBER | ASSAYS | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Rec % | Ag | Au | As | | | |
| | | | | | | | ppm | ppb | ppm | | | |
| | - 4.88 | CASING | | | | | | | | | | |
| | 4.88- 23.87 | ANDESITE FLOW BRECCIA Bleached and porphyritic grey green maroon colour. Cut by chloritic fractures with trace calcite. | Banding at 52 to C/A | | | | | | | | | |
| | | 9.75-14.33 Blocky bleached core as above with rusty fractures. | | | | | | | | | | |
| | | 14.33-15.59 Sheared silicified core brecciated. Trace pyrite. | | 14.33 - 15.59 | 17106 | 61% | 1.8 | 210 | 2585 | | | |
| | | 15.59-16.38 Bleached and rusty. | | | | | | | | | | |
| | | 18.41-19.37 Bleached and rusty. | | | | | | | | | | |
| | 23.87- 55.00 | ANDESITIC FLOW | | 26.00 - 28.00 | 17107 | 95% | 0.6 | 1 | 19 | | | |
| | | 23.87-30.00 Grey altered fragments set in pale green aphanitic clay, sericite matrix | | 28.00 - 30.00 | 17108 | 98% | 0.7 | 1 | 27 | | | |
| | | Trace pyrite disseminated throughout. | | 30.00 - 32.00 | 17109 | 80% | 1.0 | 1 | 51 | | | |
| | | 30.20-30.40 Gouge | | 32.00 - 34.00 | 17110 | 90% | 0.9 | 15 | 390 | | | |
| | | 32.00-33.54 Soft broken muddy core strongly sericitic. | | 34.00 - 36.00 | 17111 | 82% | 0.7 | 18 | 262 | | | |
| | | 34.12-35.47 Broken sericitic core. | | 36.00 - 38.00 | 17112 | 92% | 0.8 | 1 | 52 | | | |
| | | 40.73 Chalcedonic silica vein 3mm wide trending 25 to C/A. | | 38.00 - 40.00 | 17113 | 92% | 0.6 | 1 | 30 | | | |
| | | 45.72-45.97 Gouge | | 40.00 - 42.00 | 17114 | 100% | 0.9 | 1 | 23 | | | |
| | | 48.67-49.15 Gouge | | 42.00 - 44.00 | 17115 | 92% | 1.0 | 1 | 37 | | | |
| | | 49.94-50.60 Gouge | | | | | | | | | | |
| | | 51.64 Quartz druse 3cm across with trace pyrite. | | 51.00 - 53.00 | 17116 | 90% | 1.6 | 10 | 121 | | | |
| | | 51.64-52.14 Chalcedonic silica micro veins. | | 53.00 - 55.00 | 17117 | 100% | 1.1 | 1 | 76 | | | |
| | 55.00-112.38 | ANDESITE FLOW BRECCIA | | | | | | | | | | |
| | | 55.00 Breccia fragments become distinct and exhibit alteration rims. Clay sericite shells with fresh cores. | | 55.00 - 57.00 | 17118 | 94% | 2.2 | 12 | 187 | | | |
| | | 56.97-57.47 Trace pyrite, silica micro veins randomly orientated 13/50cm. | | | | | | | | | | |

# LORNEX MINING CORPORATION LTD. — DIAMOND DRILL LOG



PROPERTY: OBOY
NTS: 93C/9 & 16
LOGGED BY: BRUCE LAIRD

LATITUDE: 1 + 00S
DEPARTURE: 00 + 87.5E
ELEVATION: 112m (HOLE 1 DATUM)

AZIMUTH: 270°
DIP: -47°
DEPTH: 197.21m

HOLE NO: DDH-4
STARTED: OCTOBER 14 1987
COMPLETED: OCTOBER 16 1987

| % REC | INTERVAL(m) | ROCK TYPE / ALTERATION | MINERALIZATION / STRUCTURE | SAMPLE INTERVAL | SAMPLE NUMBER | ASSAYS | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Rec % | Ag | Au | As |
| | | 57.27-57.35 Rusty envelope to fracture. | | 57.00 - 59.00 | 17119 | 81% | 2.5 | 88 | 293 |
| | | 57.56-57.68 Rusty envelope to fracture. | | 59.00 - 61.00 | 17120 | 93% | 2.0 | 61 | 445 |
| | | 61.07-61.19 Gouge. | | | | | | | |
| | | 62.23-63.80 Silcified zone up to 15% chalcedonic silica veins up to 2cm wide with trace to 1% quartz druses up to 0.5cm across. Veins also contain trace fine grained disseminated pyrite. Lithic fragments have indistinct phenocrysts and clay silica altered matrix. | Veins have a preferred orientation of 50 to C/A. | 61.00 - 63.00 | 17121 | 83% | 4.4 | 31 | 262 |
| | | | | 63.00 - 65.00 | 17122 | 99% | 0.9 | 11 | 335 |
| | | 64.85-65.45 Rusty envelope 1cm wide. | | 65.00 - 67.00 | 17123 | 100% | 1.2 | 1 | 138 |
| | | 65.07 Chloritic rubbly fracture. | | 67.00 - 69.00 | 17124 | 94% | 1.1 | 1 | 74 |
| | | 68.40-68.55 Rubble and gouge. | | 69.00 - 71.00 | 17125 | 97% | 1.1 | 1 | 37 |
| | | 69.00-69.12 Highly pitted breccia fragments. | | 71.00 - 73.00 | 17126 | 90% | 0.7 | 1 | 81 |
| | | | | 73.00 - 75.00 | 17127 | 98% | 0.9 | 106 | 1491 |
| | | 73.77-74.00 Rubble and gouge. | | 75.00 - 77.00 | 17128 | 97% | 1.8 | 5 | 132 |
| | | 76.57-77.91 Rubble and gouge 50ft clay sericitic core. | | 77.00 - 79.00 | 17129 | 94% | 2.7 | 1 | 84 |
| | | | | 79.00 - 81.00 | 17130 | 95% | 1.0 | 1 | 173 |
| | | 81.76-83.52 Rebrecciated by silica veinlets. Up to 10% veinlets, up to 3mm across, with trace pyrite. Lithic fragments are clay silica altered and bleached grey. | | 81.00 - 83.00 | 17131 | 91% | 1.3 | 360 | 4238 |
| | | | | 83.00 - 85.00 | 17132 | 76% | 1.8 | 38 | 570 |
| | | | | 85.00 - 87.00 | 17133 | 78% | 1.5 | 98 | 888 |
| | | 87.00-91.36 Broken core to rubble with up to 10% silica veinlets, druses, up to wide with trace to 1% pyrite. Clay silica altered bleached lithic fragments with indistinct phenocrysts. | Preferred vein orientation at 45 to C/A. | 87.00 - 89.00 | 17134 | 89% | 4.8 | 9 | 205 |
| | | | | 89.00 - 91.00 | 17135 | 82% | 1.5 | 55 | 806 |
| | | 91.36-95.05 Soft broken clay/sericite altered core with 2% silica veinlets up to 3mm wide and trace to 1% disseminated pyrite. | | 91.00 - 93.00 | 17136 | 100% | 1.3 | 5 | 406 |
| | | | | 93.00 - 95.00 | 17137 | 77% | 1.5 | 26 | 622 |
| | | 95.05-102.95 Pyrite and silica veinlets 1mm wide with possible rare chalcopyrite. | Veinlets at 65 to C/A<br>5 to C/A | 95.00 - 97.00 | 17138 | 100% | 6.6 | 40 | 801 |
| | | | | 97.00 - 99.00 | 17139 | 100% | 1.3 | 3 | 284 |
| | | | | 99.00 - 101.00 | 17140 | 100% | 1.3 | 24 | 661 |
| | | | | 101.00 - 103.00 | 17141 | 100% | 1.1 | 16 | 535 |

# LORNEX MINING CORPORATION LTD. — DIAMOND DRILL LOG



PROPERTY: OBOY | LATITUDE: 1 + 00S | AZIMUTH: 270° | HOLE NO: DDH-4
NTS: 93C/9 & 16 | DEPARTURE: 00 + 87.5E | DIP: -47° | STARTED: OCTOBER 14 1987
LOGGED BY: BRUCE LAIRD | ELEVATION: 112m (HOLE 1 DATUM) | DEPTH: 197.21m | COMPLETED: OCTOBER 16 1987

| % REC | INTERVAL(m) | ROCK TYPE / ALTERATION | MINERALIZATION / STRUCTURE | SAMPLE INTERVAL | SAMPLE NUMBER | ASSAYS Rec % | Ag | Au | As |
|---|---|---|---|---|---|---|---|---|---|
| | | 102.95-104.87 Weak to moderate clay altered volcanic breccia. 104.87-105.52 Clay replaced feldspars in matrix with fine grained silica (primary). | | 103.00 - 105.00 | 17142 | 100% | 1.3 | 1 | 52 |
| | | 105.52-105.77 Gouge. 105.77-106.33 Discontinuous pyrite silica | | 105.00 - 107.00 | 17143 | 96% | 1.2 | 17 | 445 |
| | | microveins 7/10cm. | | 107.00 - 109.00 | 17144 | 100% | 0.8 | 1 | 30 |
| | | 107.25-107.76 Trace calcite microveins. | | 109.00 - 111.00 | 17145 | 84% | 1.1 | 1 | 25 |
| | 112.38-122.99 | ANDESITE FLOW Pale grey colour, weak to moderate clay alteration, chloritized anhedral phenocrysts likely originally pyroxene. Trace disseminated pyrite occurs throughout. 113.58-114.01 Volcanic breccia | | | | | | | |
| | | 116.44-116.55 Pyritic bands 1mm wide 30% pyrite over this interval. | | 116.00 - 118.00 | 17146 | 98% | 1.1 | 1 | 64 |
| | | 119.68-122.99 Alternating bands of grey porphyritic andesite and finely laminated maroon black bands. Bands are up to 3cm wide. | Bands at 58 to C/A 120.53 fault at 19 to C/A with a 1cm offset. | | | | | | |
| | 122.99-123.44 | GOUGE | | | | | | | |
| | 123.44-145.39 | ANDESITE FLOW BRECCIA with indistinct breccia fragments due to clay/sericite alteration. Trace disseminated pyrite. | | | | | | | |
| | | 124.84-127.81 Volcanic breccia , weakly clay altered with local banding in the matrix. Trace disseminated pyrite. 127.81-129.63 Indistinct fragments. 128.95-129.25 Rubble and gouge. 129.84 Grit band 2cm wide at 35 to C/A. 130.66-131.98 Indistinct fragments. 132.20 2cm wide calcite band at 45 to C/A. | 125.14-125.41 Banding at 40 to C/A. Upper contact conformable to banding. Lower contact at 28 to C/A. Banding lowers contact at 68 . | | | | | | |

# LORNEX MINING CORPORATION LTD. — DIAMOND DRILL LOG



PROPERTY: OBOY | LATITUDE: 1 + 00S | AZIMUTH: 270° | HOLE NO: DDH-4
NTS: 93C/9 & 16 | DEPARTURE: 00 + 87.5E | DIP: -47° | STARTED: OCTOBER 14 1987
LOGGED BY: BRUCE LAIRD | ELEVATION: 112m (HOLE 1 DATUM) | DEPTH: 197.21m | COMPLETED: OCTOBER 16 1987

| % REC | INTERVAL(m) | ROCK TYPE / ALTERATION | MINERALIZATION / STRUCTURE | SAMPLE INTERVAL | SAMPLE NUMBER | ASSAYS | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Rec % | Ag | Au | As | | | |
| | | 134.99-135.30 Strong sericite alteration with minor gouge. | | 134.00 - 136.00 | 17147 | 93% | 0.9 | 1 | 67 | | | |
| | | 140.24-140.71 Strong sericite alteration with minor gouge and trace to 1% disseminated pyrite. | | 140.00 - 142.00 | 17148 | 100% | 1.4 | 1 | 33 | | | |
| | 145.39-146.79 | ANDESITE FLOW with weak clay alteration. | | | | | | | | | | |
| | 146.79-197.21 | ANDESITE FLOW BRECCIA<br>147.52 4cm across patch of black fine-grained pyrite. | | 147.00 - 149.00 | 17149 | 100% | 1.0 | 1 | 33 | | | |
| | | 149.00-162.42 Clay altered matrix with indistinct fragments and local trace calcite. | | 160.00 - 162.00 | 17150 | 100% | 0.8 | 1 | 12 | | | |
| | | 164.42-172.12 Volcanic breccia, fresh with banded volcanic fragments similar to banded volcanics above. Fragments up to 10cm across set in a green maroon matrix. | | | | | | | | | | |
| | | 172.12-176.80 Volcanic breccia pale green with indistinct breccia fragments. | | | | | | | | | | |
| | | 176.80-180.70 Fresh volcanic breccia with aphanitic maroon matrix. | | | | | | | | | | |
| | | 180.70-182.75 Banded (?) fragments in a chloritic matrix. | | | | | | | | | | |
| | | 182.75-186.59 Fault gouge. Broken rubble of clay altered volcanic breccia with trace calcite occuring in patches up to 3cm across. | | 184.00 - 186.00 | 17151 | 91% | 1.0 | 6 | 699 | | | |
| | | 186.59-188.68 Green weakly clay altered volcanic breccia. | | | | | | | | | | |
| | | 188.68-197.21 Volcanic breccia. Fragments set in fresh to weakly clay altered matrix. | | 192.00 - 194.00 | 17152 | 100% | 0.4 | 1 | 17 | | | |
| | | 195.90-196.29 Gouge. | | | | | | | | | | |
| | | | END OF HOLE | | | | | | | | | |

# LORNEX MINING CORPORATION LTD. — DIAMOND DRILL LOG



PROPERTY: OBOY | LATITUDE: 0 + 00N | AZIMUTH: 270° | HOLE NO: DDH-5
NTS: 93C/9 & 16 | DEPARTURE: 1 + 13E | DIP: -50° | STARTED: OCTOBER 17 1987
LOGGED BY: BRUCE LAIRD | ELEVATION: 111m (HOLE 1 DATUM) | DEPTH: 110.31m | COMPLETED: OCTOBER 18 1987

| % REC | INTERVAL(m) | ROCK TYPE / ALTERATION | MINERALIZATION / STRUCTURE | SAMPLE INTERVAL | SAMPLE NUMBER | ASSAYS | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Rec % | Ag ppm | Au ppb | As ppm | | | |
| | - 5.18 | CASING | | | | | | | | | | |
| | 5.18- 52.00 | ANDESITE FLOW Highly weathered and bleached with indistinct phenocrysts. Cut by trace to 1% chalcedonic silica veinlets up to 2mm across; 8/10cm. Highly fractured broken rubbly core. | | 6.00 - 8.00 | 17153 | 85% | 1.7 | 2 | 51 | | | |
| | | | | 8.00 - 10.00 | 17154 | 99% | 1.4 | 1 | 73 | | | |
| | | 10.88-11.10 Very rusty gouge. | | 10.00 - 12.00 | 17155 | 97% | 0.9 | 1 | 73 | | | |
| | | 12.07-14.33 Grey sericitic core lacks weathering and bleaching. Brecciated by silica at 13.70-13.90 containing 1% pyrite. | 1% Pyrite | 12.00 - 16.00 | 17156 | 96% | 2.4 | 1 | 47 | | | |
| | | 15.18-16.04 Bleached grey core as above. | | | | | | | | | | |
| | | 16.55-17.22 Bleached grey core as above. | | 16.00 - 18.00 | 17157 | 100% | 2.5 | 1 | 92 | | | |
| | | 19.82-42.00 Rusty weathering epithermal breccia bleached clay altered fragments up to 2cm across set in a chalcedonic silica matrix (up to 10%). | | 20.00 - 22.00 | 17158 | 96% | 2.9 | 6 | 242 | | | |
| | | | | 22.00 - 24.00 | 17159 | 98% | 1.5 | 1 | 196 | | | |
| | | 25.70 Limit of intense weathering breccia fragments are silicified to intensely clay sericite altered. Matrix contains 2-3% very fine-grained pyrite. Trace silica druses, up to 1cm across. | 2-3% very fine grained pyrite. | 24.00 - 26.00 | 17160 | 100% | 2.0 | 1 | 254 | | | |
| | | | | 26.00 - 28.00 | 17161 | 82% | 2.5 | 1 | 63 | | | |
| | | | | 28.00 - 30.00 | 17162 | 100% | 1.9 | 4 | 82 | | | |
| | | 30.05-30.15 Gouge. | | 30.00 - 32.00 | 17163 | 100% | 2.9 | 34 | 574 | | | |
| | | 30.71-31.33 Very soft rusty matrix. | | 32.00 - 34.00 | 17164 | 100% | 2.4 | 49 | 840 | | | |
| | | 33.82-34.18 Rusty core with minor gouge. | | 34.00 - 36.00 | 17165 | 97% | 1.7 | 23 | 584 | | | |
| | | 34.65-35.54 Rusty weathering. | | 36.00 - 38.00 | 17166 | 98% | 1.4 | 5 | 196 | | | |
| | | Fractures sub parallel to C/A. | | 38.00 - 40.00 | 17167 | 98% | 6.2 | 320 | 995 | | | |
| | | 38.75-39.79 Rusty weathering | Upper contact at 40 to C/A. | 40.00 - 42.00 | 17168 | 88% | 1.1 | 14 | 523 | | | |
| | | 40.71-40.82 Rust gouge at 54 to C/A. | | 42.00 - 44.00 | 17169 | 99% | 1.0 | 2 | 43 | | | |
| | | 42.00-52.00 Clay/sericite altered with with chloritic matrix. Grey green core. Broken rubbly core. | 1-2% Disseminated pyrite. | 44.00 - 46.00 | 17170 | 91% | 0.7 | 5 | 17 | | | |
| | | | | 46.00 - 48.00 | 17171 | 99% | 0.6 | 1 | 11 | | | |
| | | | | 48.00 - 50.00 | 17172 | 100% | 0.7 | 2 | 39 | | | |
| | | 50.09-52.00 Competent core. | | 50.00 - 52.00 | 17173 | 100% | 0.6 | 2 | 26 | | | |

# LORNEX MINING CORPORATION LTD. — DIAMOND DRILL LOG



PROPERTY: OBOY | LATITUDE: 0 + 00N | AZIMUTH: 270° | HOLE NO: DDH-5

NTS: 93C/9 & 16 | DEPARTURE: 01 + 13E | DIP: -50° | STARTED: OCTOBER 17 1987

LOGGED BY: BRUCE LAIRD | ELEVATION: 111m (HOLE 1 DATUM) | DEPTH: 110.31m | COMPLETED: OCTOBER 18 1987

| % REC | INTERVAL(m) | ROCK TYPE / ALTERATION | MINERALIZATION / STRUCTURE | SAMPLE INTERVAL | SAMPLE NUMBER | ASSAYS | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Rec % | Ag | Au | As | | | |
| | 52.00-103.19 | ANDESITE FLOW Cut by chlorite veinlets with 1% pyrite. | 1% Pyrite. | 52.0 - 56.00 | 17174 | 100% | 0.7 | 1 | 27 | | | |
| | | 54.98-55.79 Rubble and gouge. | | | | | | | | | | |
| | | 59.90-60.08 Gouge. | | | | | | | | | | |
| | | 60.51-64.92 Broken Rubble. | | | | | | | | | | |
| | | 68.00-76.00 Weakly brecciated by chlorite | | 68.00 - 70.00 | 17175 | 91% | 0.4 | 1 | 32 | | | |
| | | and silica. Minor drusy quartz micro- | | 70.00 - 72.00 | 17176 | 99% | 0.7 | 1 | 26 | | | |
| | | veins. Up to 3% pyrite along fractures. | | 72.00 - 74.00 | 17177 | 86% | 0.8 | 1 | 39 | | | |
| | | Broken rubbly core. | | 74.00 - 76.00 | 17178 | 98% | 1.0 | 1 | 20 | | | |
| | | 76.00-92.08 Weak clay to clay/sericite altered broken core. | | | | | | | | | | |
| | | 76.24-76.77 Gouge. | | | | | | | | | | |
| | | 74.42-74.42 Volcanic breccia. | | | | | | | | | | |
| | | 77.99-78.14 Gouge. | | | | | | | | | | |
| | | 81.21-82.01 Volcanic breccia. | | | | | | | | | | |
| | | 82.30-82.62 Volcanic breccia. | | | | | | | | | | |
| | | 82.62-82.70 Gouge. | | | | | | | | | | |
| | | 86.70-87.52 Volcanic breccia with calcite filling open spaces. | | | | | | | | | | |
| | | 92.08-103.19 Black biotite? rims on chlorite altered phenocrysts. | | | | | | | | | | |
| | | 97.66-97.84 Gouge. | | | | | | | | | | |
| | | 102.94-103.07 Gouge. | | | | | | | | | | |
| | 103.19-210.34 | VOLCANIC FLOW | | | | | | | | | | |
| | | 107.34-107.94 Calcite bands up to 1cm wide, 4 band total. | | | | | | | | | | |
| | | 109.31-110.16 Gouge. | | | | | | | | | | |
| | | | END OF HOLE | | | | | | | | | |

# LORNEX MINING CORPORATION LTD. — DIAMOND DRILL LOG



PROPERTY: OBOY
NTS: 93C/9 & 16
LOGGED BY: BRUCE LAIRD

LATITUDE: 3 + 00S
DEPARTURE: 0 + 80W
ELEVATION: 106m (HOLE 1 DATUM)

AZIMUTH: 090°
DIP: -50°
DEPTH: 152.10m

HOLE NO: DDH-6
STARTED: OCTOBER 19 1987
COMPLETED: OCTOBER 21 1987

| % REC | INTERVAL(m) | ROCK TYPE / ALTERATION | MINERALIZATION / STRUCTURE | SAMPLE INTERVAL | SAMPLE NUMBER | ASSAYS | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Rec % | Ag ppm | Au ppb | As ppm | | | |
| | - 3.96 | CASING | | | | | | | | | | |
| | 3.96- 13.39 | ANDESITE FLOW BRECCIA Clay sericite altered, highly weathered, pitted matrix contains up to 2% pyrite up to 30% chlorite in the matrix. | 2% Disseminated pytie. | 8.00 - 10.00 | 17179 | 98% | 1.8 | 3 | 119 | | | |
| | 13.39-142.53 | ANDESITE FLOW Fresh, grey porphyritic. Chloritic fractures with 1% associated pyrite. | 1% Pyrite associated with chloritic fractures. | | | | | | | | | |
| | | 19.97-20.21 Volcanic breccia. | | | | | | | | | | |
| | | 21.40-22.05 Weathered rubble. | | | | | | | | | | |
| | | 23.42-23.67 Volcanic breccia with carbonate open space filling. | | 25.00 - 27.00 | 17180 | 90% | 1.2 | 4 | 143 | | | |
| | | 30.50-30.76 Weak chalcedonic veining. Veins 4/10cm up to 2mm wide with 2% pyrite. | 30.50-30.76 2% Pyrite. | 30.00 - 31.24 | 17181 | 97% | 2.0 | 9 | 148 | | | |
| | | 31.24-31.43 Sericite and silica altered epithermal breccia with quartz druses up to 2cm across. | | 31.24 - 31.43 | 17182 | 97% | 6.9 | 2 | 53 | | | |
| | | | | 31.43 - 32.00 | 17183 | 97% | 2.2 | 2 | 35 | | | |
| | | 32.00-46.55 Sericite altered andesite flow. | Trace to 1% disseminated pyrite. | 32.00 - 34.00 | 17184 | 100% | 1.6 | 1 | 25 | | | |
| | | 34.42-34.48 Gouge. | | 34.00 - 36.00 | 17185 | 89% | 1.7 | 1 | 114 | | | |
| | | 34.75-35.36 Broken rubble. | | | | | | | | | | |
| | | 35.45 Quartz druse 2 cm across. | | | | | | | | | | |
| | | 35.83 Pyrite band 5mm across trending 38 to C/A. | | | | | | | | | | |
| | | 36.98-37.54 Gouge. | | 36.00 - 38.00 | 17186 | 6% | 1.8 | 1 | 49 | | | |
| | | 38.61-40.23 Volcanic breccia. | | 38.00 - 40.00 | 17187 | 93% | 2.0 | 1 | 21 | | | |
| | | 40.54-41.54 Rubble. | | | | | | | | | | |
| | | 42.36-45.11 Rubble. | | | | | | | | | | |
| | | 45.11-45.57 Volcanic breccia. | | | | | | | | | | |
| | | 46.55-125.28 Weak clay sericite altered grey green andesite flow. | Trace to 1% pyrite occurs disseminated and associated with chloritic fractures. | | | | | | | | | |
| | | 53.00-53.95 Rubble. | | | | | | | | | | |

# LORNEX MINING CORPORATION LTD. — DIAMOND DRILL LOG



PROPERTY: OBOY
NTS: 93C/9 & 16
LOGGED BY: BRUCE LAIRD

LATITUDE: 3 + 00S
DEPARTURE: 0 + 80W
ELEVATION: 106m (HOLE 1 DATUM)

AZIMUTH: 090°
DIP: -50°
DEPTH: 152.10m

HOLE NO: DDH-6
STARTED: OCTOBER 19 1987
COMPLETED: OCTOBER 21 1987

| % REC | INTERVAL(m) | ROCK TYPE / ALTERATION | MINERALIZATION / STRUCTURE | SAMPLE INTERVAL | SAMPLE NUMBER | ASSAYS | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Rec % | Ag ppm | Au ppb | As ppm | | | |
| | | 54.35-54.93 Volcanic breccia.<br>55.58-55.97 Gouge.<br>61.21-61.57 2% carbonate occuring as open space filling.<br>68.89-69.19 Gouge.<br>76.82-77.59 Gouge.<br>77.59-84.37 Broken core and rubble.<br>84.37-84.77 Gouge.<br>110.83-111.04 Gouge.<br>111.04-119.79 Broken rubbley core.<br>119.79-121.91 Gouge.<br>121.91-123.75 Broken core.<br>125.28-142.53 As above with pyroxene phenocrysts.<br>126.24-126.52 Gouge.<br>135.64-136.07 Broken core.<br>136.57-138.23 Broken rubble. | | 86.00 - 88.00 | 17188 | 100% | 1.6 | 1 | 12 | | | |
| | 142.53-144.31 | ANDESITE FLOW BRECCIA Weak clay sericite alteration. | Trace to 1% pyrite occurs disseminated throughout. | | | | | | | | | |
| | 144.31-152.10 | ANDESITE FLOW BRECCIA Pale green fragments in a gritty or ash matrix. | Trace to 1% disseminated pyrite.<br><br>END OF HOLE | | | | | | | | | |

# APPENDIX C
# DRILL CORE ANALYSES

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

# GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEC. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU$$ ANALYSIS BY FA+AA FROM 10 GM SAMPLE.

DATE RECEIVED: OCT 13 1987 DATE REPORT MAILED: Oct 19/87 ASSAYER. D. Toye .DEAN TOYE, CERTIFIED B.C. ASSAYER

LORNEX MINING PROJECT-502 File # 87-4840 Page 1

| SAMPLE# | MO PPM | CU PPM | PB PPM | ZN PPM | AG PPM | NI PPM | CO PPM | MN PPM | FE % | AS PPM | U PPM | AU PPM | TH PPM | SR PPM | CD PPM | SB PPM | BI PPM | V PPM | CA % | P % | LA PPM | CR PPM | MG % | BA PPM | TI % | B PPM | AL % | NA % | K % | W PPM | AU$$ PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17001 | 1 | 79 | 16 | 70 | .1 | 25 | 7 | 476 | 2.44 | 61 | 5 | ND | 5 | 33 | 1 | 2 | 2 | 18 | .78 | .041 | 24 | 47 | .21 | 51 | .01 | 2 | .87 | .04 | .17 | 1 | 3 |
| 17002 | 1 | 81 | 14 | 60 | .1 | 23 | 7 | 516 | 2.19 | 7 | 5 | ND | 6 | 48 | 1 | 2 | 2 | 24 | 1.29 | .040 | 18 | 54 | .40 | 37 | .01 | 2 | .87 | .04 | .14 | 1 | 1 |
| 17003 | 1 | 87 | 14 | 58 | .1 | 23 | 7 | 552 | 2.90 | 17 | 5 | ND | 3 | 42 | 1 | 2 | 2 | 8 | .91 | .039 | 12 | 40 | .45 | 28 | .01 | 7 | 1.14 | .02 | .17 | 1 | 2 |
| 17004 | 2 | 60 | 15 | 67 | .1 | 25 | 9 | 440 | 2.24 | 9 | 5 | ND | 2 | 104 | 1 | 2 | 2 | 19 | 2.05 | .039 | 11 | 48 | .61 | 35 | .01 | 4 | .97 | .03 | .14 | 1 | 6 |
| 17005 | 1 | 71 | 18 | 63 | .2 | 25 | 8 | 472 | 2.13 | 14 | 5 | ND | 2 | 126 | 1 | 2 | 2 | 21 | 2.10 | .039 | 13 | 48 | .74 | 40 | .01 | 7 | 1.08 | .03 | .14 | 1 | 1 |
| 17006 | 1 | 83 | 16 | 70 | .3 | 26 | 8 | 512 | 2.26 | 6 | 5 | ND | 3 | 108 | 1 | 2 | 2 | 16 | 2.10 | .040 | 14 | 34 | .62 | 37 | .01 | 4 | 1.08 | .02 | .17 | 1 | 2 |
| 17007 | 1 | 115 | 17 | 51 | .9 | 27 | 8 | 430 | 1.82 | 7 | 5 | ND | 3 | 121 | 1 | 2 | 2 | 12 | 2.48 | .037 | 13 | 33 | .49 | 32 | .01 | 2 | .91 | .02 | .17 | 1 | 1 |
| 17008 | 1 | 97 | 17 | 72 | .7 | 35 | 10 | 486 | 2.44 | 10 | 5 | ND | 3 | 110 | 1 | 2 | 3 | 17 | 1.76 | .035 | 12 | 43 | .97 | 34 | .01 | 8 | 1.25 | .02 | .13 | 1 | 3 |
| 17009 | 1 | 76 | 14 | 65 | .4 | 31 | 9 | 456 | 2.28 | 17 | 5 | ND | 3 | 113 | 1 | 2 | 2 | 16 | 2.04 | .037 | 12 | 46 | .76 | 35 | .01 | 2 | 1.05 | .02 | .13 | 1 | 2 |
| 17010 | 1 | 86 | 16 | 62 | .3 | 30 | 9 | 451 | 2.16 | 7 | 5 | ND | 2 | 98 | 1 | 2 | 2 | 19 | 1.75 | .036 | 14 | 52 | 1.00 | 27 | .01 | 3 | 1.19 | .02 | .12 | 1 | 1 |
| 17011 | 1 | 81 | 11 | 54 | .4 | 32 | 9 | 468 | 2.04 | 13 | 5 | ND | 3 | 155 | 1 | 2 | 2 | 15 | 2.95 | .036 | 12 | 45 | .74 | 25 | .01 | 2 | .97 | .01 | .12 | 1 | 1 |
| 17012 | 1 | 67 | 12 | 64 | .4 | 26 | 9 | 485 | 2.27 | 5 | 5 | ND | 2 | 107 | 1 | 2 | 2 | 24 | 2.16 | .036 | 15 | 56 | 1.09 | 37 | .01 | 2 | 1.25 | .02 | .12 | 1 | 7 |
| 17013 | 3 | 68 | 15 | 67 | .4 | 29 | 9 | 541 | 2.45 | 8 | 5 | ND | 2 | 93 | 1 | 2 | 2 | 25 | 2.00 | .038 | 15 | 57 | 1.05 | 66 | .01 | 5 | 1.26 | .03 | .11 | 1 | 2 |
| 17014 | 26 | 91 | 18 | 66 | 1.0 | 37 | 10 | 535 | 2.46 | 25 | 5 | ND | 3 | 97 | 1 | 2 | 2 | 22 | 2.13 | .041 | 11 | 48 | .70 | 27 | .01 | 2 | 1.05 | .02 | .14 | 1 | 3 |
| 17015 | 29 | 79 | 21 | 47 | .8 | 29 | 8 | 416 | 1.99 | 63 | 5 | ND | 2 | 103 | 1 | 2 | 2 | 13 | 2.35 | .039 | 9 | 35 | .38 | 21 | .01 | 4 | .71 | .02 | .13 | 1 | 2 |
| 17016 | 15 | 92 | 18 | 50 | .7 | 29 | 8 | 414 | 1.91 | 31 | 5 | ND | 3 | 76 | 1 | 2 | 2 | 14 | 1.98 | .040 | 9 | 40 | .47 | 24 | .01 | 2 | .81 | .02 | .14 | 2 | 1 |
| 17017 | 3 | 99 | 19 | 64 | .8 | 28 | 9 | 469 | 2.12 | 14 | 5 | ND | 2 | 87 | 1 | 2 | 2 | 18 | 1.91 | .041 | 11 | 46 | .55 | 32 | .01 | 2 | .93 | .02 | .15 | 1 | 1 |
| 17018 | 1 | 91 | 12 | 59 | :5 | 30 | 8 | 477 | 2.11 | 6 | 5 | ND | 2 | 104 | 1 | 2 | 2 | 19 | 2.13 | .037 | 13 | 49 | .65 | 26 | .01 | 2 | 1.03 | .02 | .13 | 1 | 1 |
| 17019 | 1 | 69 | 12 | 58 | .4 | 29 | 9 | 456 | 2.32 | 12 | 5 | ND | 3 | 90 | 1 | 5 | 2 | 20 | 2.27 | .039 | 13 | 50 | .50 | 34 | .01 | 2 | .90 | .03 | .13 | 1 | 1 |
| 17020 | 2 | 78 | 13 | 58 | .6 | 32 | 9 | 442 | 2.40 | 6 | 5 | ND | 4 | 70 | 1 | 2 | 2 | 20 | 1.52 | .038 | 15 | 50 | .54 | 36 | .01 | 2 | .97 | .03 | .15 | 1 | 1 |
| 17021 | 2 | 121 | 16 | 68 | .8 | 30 | 8 | 465 | 2.49 | 5 | 5 | ND | 4 | 63 | 1 | 2 | 2 | 23 | 1.39 | .041 | 16 | 52 | .53 | 36 | .01 | 7 | 1.01 | .03 | .15 | 1 | 1 |
| 17022 | 1 | 90 | 14 | 70 | .7 | 29 | 8 | 491 | 2.43 | 9 | 6 | ND | 4 | 86 | 1 | 2 | 2 | 22 | 1.82 | .040 | 17 | 48 | .47 | 48 | .01 | 13 | .97 | .04 | .15 | 1 | 1 |
| 17023 | 1 | 81 | 13 | 68 | .5 | 29 | 9 | 471 | 2.43 | 7 | 5 | ND | 4 | 78 | 1 | 2 | 2 | 21 | 1.79 | .041 | 17 | 55 | .51 | 36 | .01 | 2 | .98 | .03 | .14 | 1 | 1 |
| 17024 | 1 | 85 | 16 | 63 | .7 | 31 | 8 | 499 | 2.41 | 2 | 5 | ND | 4 | 84 | 1 | 2 | 2 | 22 | 1.77 | .040 | 16 | 53 | .54 | 57 | .01 | 2 | 1.05 | .04 | .16 | 1 | 1 |
| 17025 | 1 | 57 | 16 | 50 | .5 | 29 | 8 | 460 | 2.10 | 5 | 5 | ND | 4 | 74 | 1 | 2 | 2 | 17 | 1.68 | .038 | 12 | 48 | .53 | 35 | .01 | 5 | .98 | .03 | .16 | 1 | 1 |
| 17026 | 2 | 108 | 17 | 80 | 1.1 | 46 | 14 | 983 | 3.28 | 7 | 5 | ND | 4 | 59 | 1 | 2 | 2 | 27 | 1.40 | .038 | 14 | 53 | .90 | 39 | .01 | 2 | 1.47 | .03 | .11 | 1 | 2 |
| 17027 | 1 | 56 | 13 | 53 | .5 | 29 | 8 | 486 | 2.18 | 6 | 5 | ND | 4 | 71 | 1 | 3 | 2 | 13 | 1.68 | .039 | 13 | 40 | .62 | 25 | .01 | 4 | 1.05 | .02 | .15 | 1 | 1 |
| 17028 | 1 | 83 | 13 | 61 | .8 | 32 | 8 | 530 | 2.41 | 3 | 5 | ND | 4 | 80 | 1 | 2 | 2 | 18 | 1.78 | .037 | 13 | 48 | .61 | 33 | .01 | 2 | 1.12 | .02 | .17 | 1 | 2 |
| 17029 | 2 | 86 | 15 | 54 | .8 | 29 | 7 | 444 | 2.04 | 7 | 5 | ND | 4 | 69 | 1 | 2 | 2 | 15 | 1.42 | .037 | 13 | 41 | .68 | 31 | .01 | 2 | 1.08 | .02 | .14 | 1 | 1 |
| 17030 | 1 | 93 | 13 | 51 | .9 | 28 | 8 | 443 | 2.15 | 6 | 5 | ND | 3 | 105 | 1 | 2 | 2 | 18 | 2.31 | .036 | 9 | 45 | .55 | 37 | .01 | 4 | .92 | .02 | .14 | 1 | 1 |
| 17031 | 1 | 79 | 13 | 62 | .6 | 32 | 8 | 492 | 2.42 | 13 | 5 | ND | 3 | 68 | 1 | 2 | 2 | 25 | 1.66 | .039 | 11 | 51 | .85 | 35 | .01 | 6 | 1.07 | .02 | .11 | 1 | 1 |
| 17032 | 1 | 74 | 18 | 57 | .7 | 30 | 8 | 468 | 2.18 | 16 | 5 | ND | 3 | 77 | 1 | 2 | 2 | 20 | 2.06 | .035 | 10 | 44 | .75 | 41 | .01 | 2 | .97 | .02 | .11 | 1 | 1 |
| 17033 | 1 | 84 | 11 | 62 | .8 | 30 | 8 | 468 | 2.07 | 14 | 5 | ND | 4 | 77 | 1 | 2 | 2 | 21 | 2.03 | .038 | 11 | 43 | .78 | 20 | .01 | 8 | .97 | .02 | .10 | 1 | 1 |
| 17034 | 2 | 101 | 15 | 59 | 1.2 | 34 | 9 | 488 | 2.25 | 23 | 5 | ND | 3 | 69 | 1 | 3 | 2 | 22 | 1.96 | .033 | 10 | 46 | .84 | 20 | .01 | 4 | 1.05 | .02 | .10 | 1 | 1 |
| 17035 | 1 | 128 | 14 | 58 | 1.2 | 27 | 8 | 450 | 2.01 | 13 | 5 | ND | 3 | 71 | 1 | 2 | 2 | 20 | 1.75 | .038 | 12 | 43 | .76 | 25 | .01 | 3 | 1.00 | .01 | .12 | 1 | 2 |
| 17036 | 4 | 117 | 14 | 54 | 1.3 | 27 | 8 | 458 | 2.03 | 22 | 5 | ND | 4 | 87 | 1 | 2 | 2 | 17 | 2.50 | .033 | 9 | 39 | .67 | 30 | .01 | 2 | .89 | .01 | .12 | 1 | 1 |
| STD C/AU-R | 20 | 62 | 40 | 134 | 7.6 | 71 | 29 | 1087 | 4.02 | 39 | 20 | 8 | 40 | 53 | 19 | 17 | 19 | 60 | .48 | .089 | 40 | 63 | .90 | 182 | .07 | 37 | 1.87 | .07 | .14 | 12 | 485 |

| SAMPLE# | MO PPM | CU PPM | PB PPM | ZN PPM | AG PPM | NI PPM | CO PPM | MN PPM | FE % | AS PPM | U PPM | AU PPM | TH PPM | SR PPM | CD PPM | SB PPM | BI PPM | V PPM | CA % | P % | LA PPM | CR PPM | MG % | BA PPM | TI % | B PPM | AL % | NA % | K % | W PPM | AU** PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17037 | 3 | 143 | 12 | 66 | 1.2 | 35 | 11 | 566 | 2.70 | 20 | 5 | ND | 5 | 42 | 1 | 3 | 2 | 19 | 1.71 | .039 | 9 | 41 | .72 | 28 | .01 | 2 | .81 | .01 | .12 | 1 | 1 |
| 17038 | 2 | 70 | 15 | 54 | .7 | 28 | 8 | 436 | 2.09 | 5 | 5 | ND | 3 | 60 | 1 | 2 | 2 | 20 | 1.85 | .037 | 11 | 46 | .96 | 118 | .01 | 2 | 1.13 | .02 | .13 | 1 | 2 |

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

# GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEC. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU** ANALYSIS BY FA+AA FROM 10 GM SAMPLE.

DATE RECEIVED: OCT 15 1987 DATE REPORT MAILED: Oct 22/87 ASSAYER. D. Toye. DEAN TOYE, CERTIFIED B.C. ASSAYER

LORNEX MINING PROJECT-502 File # 87-4870

| SAMPLE# | MO PPM | CU PPM | PB PPM | ZN PPM | AG PPM | NI PPM | CO PPM | MN PPM | FE % | AS PPM | U PPM | AU PPM | TH PPM | SR PPM | CD PPM | SB PPM | BI PPM | V PPM | CA % | P % | LA PPM | CR PPM | MG % | BA PPM | TI % | B PPM | AL % | NA % | K % | W PPM | AU** PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E-17039 | 1 | 45 | 12 | 55 | .5 | 32 | 8 | 438 | 2.27 | 4 | 5 | ND | 5 | 57 | 1 | 2 | 2 | 21 | 1.65 | .034 | 13 | 47 | .75 | 35 | .01 | 2 | 1.12 | .05 | .10 | 2 | 2 |
| E-17040 | 1 | 51 | 12 | 60 | .4 | 29 | 8 | 463 | 2.31 | 3 | 5 | ND | 5 | 68 | 1 | 2 | 2 | 22 | 1.70 | .036 | 9 | 44 | 1.02 | 36 | .01 | 2 | 1.24 | .05 | .11 | 2 | 1 |
| E-17041 | 1 | 67 | 11 | 59 | .3 | 29 | 8 | 433 | 2.16 | 3 | 5 | ND | 6 | 83 | 1 | 2 | 2 | 22 | 1.88 | .033 | 12 | 50 | 1.05 | 42 | .01 | 2 | 1.22 | .05 | .11 | 2 | 1 |
| E-17042 | 1 | 78 | 11 | 58 | .4 | 29 | 8 | 409 | 2.19 | 5 | 5 | ND | 6 | 63 | 1 | 2 | 2 | 22 | 1.48 | .035 | 13 | 50 | 1.03 | 56 | .01 | 2 | 1.23 | .05 | .10 | 1 | 1 |
| E-17043 | 1 | 157 | 10 | 64 | .5 | 37 | 9 | 536 | 2.59 | 5 | 5 | ND | 5 | 60 | 1 | 2 | 2 | 23 | 1.82 | .032 | 10 | 53 | 1.22 | 30 | .01 | 2 | 1.40 | .04 | .09 | 2 | 1 |
| E-17044 | 1 | 137 | 12 | 63 | .5 | 39 | 10 | 547 | 2.53 | 7 | 5 | ND | 5 | 55 | 1 | 2 | 2 | 25 | 1.77 | .031 | 15 | 65 | 1.24 | 35 | .01 | 2 | 1.45 | .04 | .08 | 3 | 1 |
| E-17045 | 3 | 117 | 10 | 59 | .4 | 33 | 9 | 465 | 2.27 | 5 | 5 | ND | 6 | 68 | 1 | 2 | 2 | 25 | 1.93 | .032 | 15 | 57 | 1.13 | 23 | .01 | 3 | 1.26 | .04 | .08 | 1 | 1 |
| E-17046 | 3 | 255 | 13 | 59 | .5 | 32 | 9 | 486 | 2.43 | 4 | 5 | ND | 5 | 68 | 1 | 3 | 2 | 25 | 2.27 | .033 | 12 | 51 | 1.09 | 26 | .01 | 2 | 1.20 | .04 | .08 | 1 | 1 |
| E-17047 | 2 | 80 | 11 | 63 | .6 | 33 | 8 | 440 | 2.26 | 2 | 5 | ND | 6 | 74 | 1 | 2 | 2 | 23 | 1.85 | .032 | 13 | 53 | 1.02 | 33 | .01 | 2 | 1.23 | .04 | .08 | 1 | 1 |
| E-17048 | 1 | 77 | 10 | 61 | .4 | 30 | 8 | 417 | 2.21 | 2 | 5 | ND | 5 | 49 | 1 | 2 | 2 | 23 | 1.54 | .033 | 18 | 53 | 1.10 | 26 | .01 | 2 | 1.18 | .04 | .07 | 2 | 1 |
| E-17049 | 3 | 83 | 10 | 57 | .3 | 31 | 8 | 412 | 2.23 | 2 | 5 | ND | 5 | 53 | 1 | 2 | 2 | 21 | 1.78 | .032 | 15 | 54 | .88 | 36 | .01 | 2 | 1.05 | .05 | .08 | 1 | 1 |
| E-17050 | 1 | 68 | 9 | 59 | .4 | 29 | 8 | 431 | 2.18 | 2 | 5 | ND | 5 | 51 | 1 | 2 | 2 | 22 | 1.72 | .033 | 17 | 54 | 1.01 | 32 | .01 | 2 | 1.13 | .05 | .08 | 1 | 2 |
| E-17051 | 3 | 79 | 9 | 59 | .5 | 31 | 9 | 463 | 2.27 | 2 | 5 | ND | 5 | 58 | 1 | 2 | 2 | 22 | 1.96 | .032 | 16 | 55 | .98 | 39 | .01 | 5 | 1.11 | .05 | .08 | 1 | 1 |
| E-17052 | 1 | 63 | 10 | 57 | .4 | 29 | 8 | 448 | 2.00 | 2 | 5 | ND | 5 | 57 | 1 | 2 | 2 | 20 | 1.92 | .033 | 18 | 54 | .96 | 36 | .01 | 5 | 1.10 | .05 | .09 | 1 | 1 |
| E-17053 | 1 | 71 | 10 | 59 | .3 | 32 | 8 | 447 | 2.16 | 2 | 5 | ND | 5 | 59 | 1 | 2 | 2 | 21 | 1.85 | .033 | 18 | 60 | 1.03 | 34 | .01 | 4 | 1.13 | .05 | .11 | 1 | 1 |
| E-17054 | 2 | 66 | 13 | 65 | .5 | 35 | 9 | 508 | 2.54 | 2 | 5 | ND | 6 | 66 | 1 | 2 | 2 | 23 | 1.82 | .035 | 15 | 59 | .94 | 34 | .01 | 5 | 1.16 | .05 | .09 | 1 | 1 |
| E-17055 | 2 | 53 | 12 | 60 | .4 | 33 | 9 | 522 | 2.28 | 2 | 5 | ND | 5 | 70 | 1 | 2 | 2 | 23 | 1.96 | .032 | 14 | 57 | .99 | 40 | .01 | 2 | 1.15 | .05 | .10 | 2 | 1 |
| E-17056 | 3 | 61 | 15 | 62 | .3 | 37 | 9 | 515 | 2.57 | 2 | 5 | ND | 5 | 67 | 1 | 2 | 2 | 25 | 1.81 | .032 | 11 | 54 | .83 | 32 | .01 | 2 | 1.09 | .05 | .08 | 1 | 1 |
| E-17057 | 3 | 65 | 12 | 58 | .5 | 33 | 8 | 470 | 2.45 | 3 | 5 | ND | 4 | 66 | 1 | 2 | 2 | 23 | 1.66 | .033 | 10 | 53 | .79 | 38 | .01 | 2 | 1.05 | .05 | .08 | 1 | 1 |
| E-17058 | 3 | 56 | 17 | 64 | .6 | 36 | 9 | 450 | 2.42 | 2 | 5 | ND | 5 | 64 | 1 | 2 | 2 | 24 | 1.63 | .034 | 12 | 56 | .93 | 28 | .01 | 2 | 1.23 | .05 | .07 | 1 | 1 |
| E-17059 | 3 | 49 | 13 | 63 | .5 | 37 | 9 | 602 | 2.92 | 6 | 5 | ND | 4 | 57 | 1 | 2 | 2 | 22 | 1.53 | .034 | 10 | 53 | .50 | 49 | .01 | 2 | .92 | .04 | .08 | 1 | 1 |
| STD C/AU-R | 19 | 58 | 37 | 134 | 7.1 | 69 | 27 | 1044 | 3.95 | 41 | 22 | 7 | 39 | 50 | 18 | 17 | 21 | 57 | .50 | .086 | 37 | 58 | .87 | 178 | .08 | 38 | 1.83 | .08 | .12 | 12 | 490 |

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

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THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU$$ ANALYSIS BY FA+AA FROM 10 GM SAMPLE.

DATE RECEIVED: OCT 20 1987 DATE REPORT MAILED: Oct 26/87 ASSAYER. D. Toye ...DEAN TOYE, CERTIFIED B.C. ASSAYER

LORNEX MINING PROJECT-502 File # 87-5030

| SAMPLE# | MO PPM | CU PPM | PB PPM | ZN PPM | AG PPM | NI PPM | CO PPM | MN PPM | FE % | AS PPM | U PPM | AU PPM | TH PPM | SR PPM | CD PPM | SB PPM | BI PPM | V PPM | CA % | P % | LA PPM | CR PPM | MG % | BA PPM | TI % | B PPM | AL % | NA % | K % | W PPM | AU$$ PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E 17060 | 6 | 40 | 13 | 60 | .4 | 42 | 11 | 595 | 3.01 | 8 | 5 | ND | 5 | 63 | 1 | 2 | 2 | 26 | 1.80 | .038 | 13 | 59 | .54 | 34 | .01 | 2 | .94 | .03 | .13 | 1 | 1 |
| E 17061 | 1 | 60 | 8 | 65 | .2 | 42 | 11 | 599 | 2.89 | 2 | 5 | ND | 7 | 60 | 1 | 2 | 2 | 28 | 1.61 | .038 | 17 | 64 | .68 | 36 | .01 | 2 | 1.10 | .03 | .12 | 1 | 1 |
| E 17062 | 1 | 72 | 11 | 64 | .3 | 42 | 11 | 662 | 2.96 | 3 | 5 | ND | 7 | 61 | 1 | 2 | 2 | 27 | 1.60 | .039 | 17 | 63 | .55 | 43 | .01 | 2 | 1.04 | .03 | .15 | 1 | 1 |
| E 17063 | 2 | 115 | 17 | 71 | .4 | 44 | 12 | 642 | 2.89 | 3 | 5 | ND | 5 | 81 | 1 | 2 | 2 | 27 | 2.18 | .036 | 15 | 64 | .95 | 42 | .01 | 2 | 1.26 | .03 | .12 | 1 | 1 |
| E 17064 | 4 | 76 | 11 | 54 | .6 | 40 | 10 | 522 | 2.49 | 4 | 5 | ND | 6 | 58 | 1 | 2 | 2 | 18 | 1.64 | .036 | 12 | 56 | .49 | 38 | .01 | 2 | .88 | .02 | .16 | 1 | 1 |
| E 17065 | 3 | 54 | 12 | 75 | .5 | 47 | 13 | 1074 | 3.45 | 6 | 5 | ND | 5 | 63 | 1 | 2 | 2 | 20 | 2.13 | .038 | 13 | 60 | .60 | 36 | .01 | 2 | 1.11 | .02 | .15 | 1 | 1 |
| E 17066 | 4 | 60 | 9 | 56 | .3 | 35 | 10 | 638 | 2.57 | 6 | 5 | ND | 5 | 66 | 1 | 2 | 2 | 17 | 1.77 | .038 | 17 | 55 | .44 | 41 | .01 | 2 | .79 | .03 | .15 | 1 | 1 |
| E 17067 | 1 | 95 | 11 | 65 | .5 | 39 | 10 | 462 | 2.46 | 6 | 5 | ND | 5 | 65 | 1 | 2 | 2 | 26 | 1.76 | .037 | 18 | 62 | 1.02 | 37 | .01 | 4 | 1.17 | .02 | .11 | 1 | 1 |
| E 17068 | 2 | 80 | 7 | 60 | .1 | 38 | 10 | 467 | 2.31 | 6 | 5 | ND | 5 | 83 | 1 | 2 | 2 | 20 | 1.99 | .037 | 18 | 60 | .91 | 37 | .01 | 2 | 1.12 | .02 | .13 | 1 | 1 |
| E 17069 | 2 | 131 | 16 | 62 | .1 | 41 | 10 | 457 | 2.35 | 7 | 5 | ND | 6 | 74 | 1 | 2 | 2 | 25 | 1.87 | .036 | 21 | 63 | .81 | 50 | .01 | 2 | 1.08 | .02 | .13 | 1 | 2 |
| E 17070 | 1 | 61 | 13 | 57 | .2 | 36 | 9 | 465 | 2.27 | 3 | 5 | ND | 6 | 74 | 1 | 2 | 2 | 26 | 1.80 | .038 | 18 | 67 | .84 | 33 | .01 | 2 | 1.03 | .02 | .11 | 1 | 1 |
| E 17071 | 1 | 101 | 5 | 63 | .1 | 41 | 11 | 493 | 2.38 | 2 | 5 | ND | 6 | 51 | 1 | 3 | 2 | 24 | 1.94 | .035 | 21 | 70 | .94 | 41 | .01 | 2 | 1.10 | .03 | .14 | 1 | 1 |
| E 17072 | 2 | 86 | 15 | 63 | .1 | 34 | 9 | 478 | 2.32 | 2 | 5 | ND | 4 | 83 | 1 | 2 | 2 | 27 | 2.43 | .036 | 11 | 66 | 1.16 | 40 | .01 | 2 | 1.20 | .03 | .10 | 1 | 1 |
| E 17073 | 1 | 82 | 9 | 68 | .4 | 35 | 10 | 463 | 2.46 | 2 | 5 | ND | 6 | 95 | 2 | 2 | 2 | 27 | 2.10 | .037 | 12 | 61 | 1.13 | 105 | .01 | 2 | 1.23 | .01 | .13 | 1 | 1 |
| E 17074 | 1 | 73 | 12 | 57 | .4 | 33 | 9 | 444 | 2.22 | 2 | 5 | ND | 5 | 99 | 1 | 2 | 2 | 25 | 2.33 | .036 | 13 | 59 | .95 | 38 | .01 | 2 | 1.08 | .02 | .12 | 1 | 1 |
| E 17075 | 2 | 73 | 9 | 59 | .2 | 32 | 9 | 474 | 2.23 | 2 | 5 | ND | 4 | 110 | 1 | 2 | 2 | 23 | 2.61 | .034 | 13 | 55 | .90 | 37 | .01 | 6 | 1.09 | .01 | .12 | 1 | 2 |
| E 17076 | 1 | 108 | 15 | 66 | 2.2 | 25 | 5 | 101 | 1.52 | 53 | 5 | ND | 6 | 5 | 1 | 5 | 2 | 12 | .05 | .042 | 18 | 33 | .11 | 34 | .01 | 4 | .68 | .01 | .20 | 1 | 1 |
| E 17077 | 1 | 112 | 10 | 66 | 3.7 | 23 | 3 | 58 | 1.50 | 35 | 5 | ND | 5 | 4 | 1 | 5 | 2 | 11 | .04 | .043 | 20 | 31 | .07 | 33 | .01 | 2 | .61 | .01 | .19 | 1 | 1 |
| E 17078 | 2 | 181 | 9 | 60 | 3.7 | 19 | 5 | 48 | 1.47 | 34 | 5 | ND | 5 | 4 | 1 | 7 | 2 | 10 | .04 | .045 | 21 | 27 | .05 | 27 | .01 | 2 | .59 | .01 | .20 | 1 | 1 |
| E 17079 | 1 | 130 | 16 | 53 | 3.2 | 26 | 9 | 40 | 1.50 | 102 | 5 | ND | 7 | 3 | 3 | 12 | 2 | 9 | .03 | .042 | 21 | 24 | .04 | 27 | .01 | 2 | .54 | .01 | .21 | 2 | 2 |
| E 17080 | 2 | 206 | 15 | 56 | 3.4 | 35 | 11 | 91 | 1.79 | 151 | 5 | ND | 5 | 3 | 1 | 10 | 2 | 12 | .01 | .047 | 17 | 28 | .09 | 25 | .01 | 2 | .70 | .01 | .19 | 1 | 3 |
| E 17081 | 1 | 125 | 18 | 79 | 2.8 | 41 | 13 | 141 | 2.18 | 473 | 5 | ND | 6 | 3 | 2 | 11 | 2 | 7 | .05 | .043 | 15 | 23 | .14 | 23 | .01 | 2 | .62 | .01 | .19 | 1 | 7 |
| E 17082 | 2 | 94 | 14 | 104 | 3.1 | 42 | 15 | 203 | 1.68 | 73 | 5 | ND | 6 | 5 | 1 | 11 | 2 | 8 | .10 | .043 | 17 | 32 | .20 | 27 | .01 | 7 | .73 | .01 | .22 | 1 | 1 |
| E 17083 | 1 | 110 | 13 | 71 | 3.5 | 40 | 14 | 127 | 1.71 | 176 | 5 | ND | 5 | 5 | 1 | 11 | 2 | 6 | .07 | .031 | 14 | 21 | .12 | 24 | .01 | 2 | .52 | .01 | .20 | 1 | 1 |
| E 17084 | 2 | 142 | 9 | 24 | 3.1 | 33 | 11 | 11 | 1.28 | 541 | 5 | ND | 5 | 6 | 1 | 14 | 2 | 4 | .01 | .011 | 13 | 14 | .02 | 24 | .01 | 2 | .43 | .01 | .20 | 1 | 12 |
| E 17085 | 2 | 208 | 12 | 37 | 3.2 | 50 | 17 | 31 | 1.41 | 293 | 7 | ND | 5 | 3 | 3 | 14 | 2 | 4 | .01 | .012 | 9 | 9 | .03 | 21 | .01 | 3 | .37 | .01 | .16 | 2 | 2 |
| E 17086 | 1 | 95 | 11 | 64 | 3.4 | 58 | 21 | 213 | 1.60 | 86 | 5 | ND | 5 | 3 | 1 | 7 | 2 | 9 | .01 | .030 | 14 | 23 | .21 | 25 | .01 | 2 | .76 | .01 | .20 | 1 | 1 |
| E 17087 | 1 | 83 | 12 | 91 | 3.3 | 55 | 18 | 273 | 1.95 | 64 | 5 | ND | 6 | 4 | 1 | 8 | 2 | 15 | .06 | .041 | 21 | 39 | .21 | 25 | .01 | 2 | .85 | .01 | .19 | 1 | 1 |
| E 17088 | 3 | 68 | 7 | 87 | 3.2 | 43 | 14 | 171 | 1.85 | 394 | 5 | ND | 5 | 3 | 1 | 17 | 2 | 10 | .07 | .037 | 16 | 23 | .12 | 21 | .01 | 2 | .57 | .01 | .17 | 1 | 4 |
| E 17089 | 1 | 101 | 14 | 127 | 3.5 | 39 | 12 | 433 | 2.46 | 42 | 5 | ND | 7 | 4 | 1 | 5 | 2 | 21 | .10 | .040 | 21 | 49 | .27 | 24 | .01 | 2 | .96 | .01 | .18 | 1 | 1 |
| E 17090 | 2 | 77 | 14 | 99 | 3.9 | 45 | 15 | 355 | 2.59 | 74 | 5 | ND | 7 | 5 | 1 | 9 | 2 | 13 | .10 | .037 | 14 | 39 | .23 | 21 | .01 | 2 | .76 | .01 | .17 | 1 | 1 |
| E 17091 | 1 | 86 | 14 | 292 | 2.7 | 98 | 25 | 2371 | 4.11 | 18 | 5 | ND | 6 | 6 | 1 | 4 | 2 | 23 | .20 | .045 | 18 | 49 | .37 | 27 | .01 | 2 | 1.13 | .01 | .17 | 1 | 1 |
| E 17092 | 1 | 94 | 17 | 116 | 2.2 | 48 | 16 | 421 | 2.55 | 28 | 5 | ND | 7 | 5 | 1 | 9 | 2 | 20 | .12 | .042 | 17 | 44 | .32 | 30 | .01 | 2 | 1.00 | .02 | .20 | 1 | 1 |
| E 17093 | 2 | 80 | 16 | 124 | 1.2 | 42 | 10 | 679 | 2.19 | 17 | 5 | ND | 7 | 9 | 1 | 2 | 2 | 21 | .22 | .065 | 18 | 45 | .29 | 34 | .01 | 2 | .86 | .03 | .18 | 1 | 1 |
| E 17094 | 1 | 89 | 16 | 131 | 1.5 | 61 | 19 | 671 | 2.69 | 14 | 5 | ND | 6 | 33 | 1 | 5 | 2 | 20 | .77 | .046 | 18 | 44 | .29 | 31 | .01 | 2 | .83 | .02 | .18 | 1 | 2 |
| E 17095 | 2 | 87 | 12 | 71 | 1.3 | 31 | 10 | 531 | 2.69 | 7 | 5 | ND | 7 | 40 | 1 | 2 | 2 | 28 | 1.48 | .043 | 12 | 54 | .38 | 159 | .07 | 5 | .92 | .03 | .17 | 2 | 1 |
| STD C/AU-R | 18 | 58 | 40 | 130 | 7.1 | 68 | 28 | 1035 | 3.87 | 40 | 17 | 8 | 38 | 51 | 19 | 18 | 22 | 60 | .48 | .086 | 38 | 64 | .88 | 180 | .08 | 38 | 1.81 | .06 | .13 | 12 | 510 |

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

# GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEC. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU** ANALYSIS BY FA+AA FROM 10 GM SAMPLE.

DATE RECEIVED: OCT 21 1987 DATE REPORT MAILED: Oct 27/87 ASSAYER. D. Toye. DEAN TOYE, CERTIFIED B.C. ASSAYER

LORNEX MINING PROJECT-502 File # 87-5057 Page 1

| SAMPLE# | MO PPM | CU PPM | PB PPM | ZN PPM | AG PPM | NI PPM | CO PPM | MN PPM | FE % | AS PPM | U PPM | AU PPM | TH PPM | SR PPM | CD PPM | SB PPM | BI PPM | V PPM | CA % | P % | LA PPM | CR PPM | MG % | BA PPM | TI % | B PPM | AL % | NA % | K % | W PPM | AU** PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E 17096 | 3 | 76 | 14 | 54 | 1.7 | 34 | 10 | 600 | 2.52 | 41 | 5 | ND | 6 | 65 | 1 | 3 | 2 | 17 | 1.86 | .040 | 10 | 39 | .34 | 27 | .01 | 2 | .84 | .01 | .17 | 1 | 1 |
| E 17097 | 1 | 100 | 16 | 76 | 1.2 | 32 | 9 | 490 | 2.22 | 12 | 5 | ND | 4 | 97 | 1 | 2 | 2 | 17 | 1.71 | .040 | 12 | 43 | .54 | 42 | .01 | 11 | 1.02 | .01 | .15 | 1 | 1 |
| E 17098 | 1 | 142 | 11 | 64 | 1.8 | 36 | 10 | 317 | 2.37 | 17 | 5 | ND | 5 | 10 | 2 | 4 | 2 | 19 | .19 | .039 | 11 | 46 | 1.02 | 166 | .01 | 2 | 1.30 | .01 | .14 | 1 | 1 |
| E 17099 | 1 | 89 | 10 | 66 | .8 | 39 | 10 | 315 | 2.49 | 212 | 5 | ND | 3 | 9 | 1 | 6 | 2 | 18 | .18 | .040 | 11 | 47 | .94 | 37 | .01 | 3 | 1.28 | .01 | .16 | 1 | 6 |
| E 17100 | 1 | 91 | 16 | 71 | 1.1 | 33 | 9 | 430 | 2.25 | 12 | 5 | ND | 3 | 49 | 1 | 4 | 2 | 19 | 1.48 | .037 | 9 | 46 | .95 | 39 | .01 | 4 | 1.25 | .01 | .14 | 1 | 1 |
| E 17101 | 9 | 136 | 11 | 60 | 2.0 | 30 | 9 | 430 | 2.19 | 9 | 5 | ND | 3 | 58 | 1 | 2 | 2 | 21 | 1.37 | .038 | 9 | 50 | .69 | 37 | .01 | 3 | 1.07 | .02 | .14 | 1 | 1 |
| E 17102 | 5 | 106 | 9 | 65 | 1.4 | 31 | 10 | 472 | 2.48 | 6 | 5 | ND | 3 | 64 | 1 | 2 | 2 | 22 | 1.51 | .034 | 9 | 47 | .59 | 45 | .01 | 2 | 1.00 | .03 | .12 | 1 | 2 |
| E 17103 | 1 | 96 | 10 | 64 | 1.5 | 33 | 9 | 509 | 2.52 | 10 | 5 | ND | 4 | 65 | 2 | 2 | 2 | 23 | 1.54 | .036 | 10 | 46 | .51 | 39 | .01 | 5 | 1.05 | .02 | .14 | 1 | 1 |
| E 17104 | 1 | 104 | 10 | 60 | .9 | 29 | 9 | 418 | 2.31 | 5 | 5 | ND | 4 | 52 | 2 | 2 | 2 | 22 | 1.45 | .036 | 12 | 50 | .60 | 50 | .01 | 3 | .96 | .03 | .13 | 1 | 3 |
| E 17105 | 1 | 128 | 10 | 68 | 1.4 | 32 | 10 | 468 | 2.42 | 11 | 5 | ND | 3 | 80 | 1 | 2 | 2 | 22 | 1.61 | .036 | 13 | 55 | .68 | 52 | .01 | 2 | 1.03 | .02 | .14 | 1 | 1 |
| E 17106 | 21 | 58 | 14 | 26 | 1.8 | 22 | 6 | 87 | 2.15 | 2585 | 5 | ND | 2 | 5 | 1 | 27 | 2 | 9 | .08 | .049 | 8 | 22 | .27 | 18 | .01 | 2 | .53 | .01 | .15 | 1 | 210 |
| E 17107 | 2 | 52 | 7 | 61 | .6 | 33 | 9 | 499 | 2.15 | 19 | 5 | ND | 5 | 80 | 1 | 2 | 2 | 25 | 2.41 | .036 | 12 | 51 | 1.21 | 22 | .01 | 3 | 1.27 | .01 | .13 | 1 | 1 |
| E 17108 | 2 | 89 | 2 | 65 | .7 | 32 | 9 | 488 | 2.27 | 27 | 5 | ND | 4 | 65 | 1 | 2 | 2 | 28 | 1.77 | .039 | 14 | 54 | 1.30 | 21 | .01 | 2 | 1.39 | .02 | .12 | 1 | 1 |
| E 17109 | 3 | 103 | 12 | 64 | 1.0 | 33 | 9 | 419 | 2.37 | 51 | 5 | ND | 4 | 35 | 1 | 2 | 2 | 25 | 1.17 | .044 | 11 | 51 | 1.21 | 16 | .01 | 4 | 1.31 | .01 | .11 | 1 | 1 |
| E 17110 | 4 | 73 | 16 | 60 | .9 | 37 | 10 | 298 | 2.44 | 390 | 5 | ND | 4 | 6 | 1 | 3 | 2 | 20 | .23 | .069 | 11 | 45 | .97 | 18 | .01 | 2 | 1.14 | .01 | .17 | 1 | 15 |
| E 17111 | 4 | 92 | 15 | 65 | .7 | 37 | 10 | 360 | 2.50 | 262 | 5 | ND | 3 | 7 | 1 | 3 | 2 | 24 | .26 | .081 | 13 | 55 | 1.17 | 23 | .01 | 2 | 1.29 | .02 | .15 | 2 | 18 |
| E 17112 | 3 | 100 | 12 | 69 | .8 | 35 | 10 | 383 | 2.47 | 52 | 5 | ND | 4 | 7 | 1 | 2 | 2 | 28 | .18 | .059 | 14 | 54 | 1.27 | 22 | .01 | 6 | 1.37 | .02 | .14 | 1 | 1 |
| E 17113 | 2 | 55 | 15 | 64 | ,6 | 37 | 10 | 411 | 2.50 | 30 | 5 | ND | 3 | 6 | 1 | 4 | 2 | 27 | .13 | .042 | 13 | 54 | 1.17 | 25 | .01 | 5 | 1.18 | .01 | .14 | 1 | 1 |
| E 17114 | 5 | 87 | 13 | 68 | .9 | 36 | 10 | 535 | 2.39 | 23 | 5 | ND | 3 | 7 | 2 | 2 | 2 | 30 | .13 | .046 | 12 | 54 | 1.14 | 29 | .01 | 2 | 1.12 | .01 | .13 | 1 | 1 |
| E 17115 | 2 | 89 | 16 | 72 | 1.0 | 40 | 11 | 477 | 2.64 | 37 | 5 | ND | 4 | 7 | 1 | 2 | 2 | 28 | .14 | .045 | 13 | 52 | 1.16 | 23 | .01 | 3 | 1.22 | .01 | .14 | 1 | 1 |
| E 17116 | 2 | 139 | 18 | 71 | 1.6 | 44 | 13 | 323 | 2.55 | 121 | 5 | ND | 2 | 6 | 1 | 6 | 2 | 18 | .14 | .045 | 11 | 34 | .63 | 14 | .01 | 2 | .92 | .01 | .16 | 1 | 10 |
| E 17117 | 1 | 79 | 11 | 113 | 1.1 | 43 | 12 | 387 | 2.57 | 76 | 5 | ND | 4 | 6 | 1 | 2 | 2 | 25 | .13 | .048 | 12 | 42 | .80 | 24 | .01 | 4 | 1.10 | .01 | .17 | 1 | 1 |
| E 17118 | 1 | 153 | 7 | 92 | 2.2 | 56 | 13 | 438 | 2.33 | 187 | 5 | ND | 3 | 6 | 1 | 5 | 2 | 24 | .09 | .033 | 12 | 42 | .75 | 22 | .01 | 4 | .96 | .01 | .13 | 1 | 12 |
| E 17119 | 2 | 179 | 10 | 100 | 2.5 | 70 | 15 | 394 | 2.36 | 293 | 5 | ND | 3 | 6 | 1 | 7 | 2 | 20 | .07 | .027 | 10 | 37 | .66 | 23 | .01 | 2 | .84 | .01 | .12 | 1 | 88 |
| E 17120 | 1 | 141 | 8 | 75 | 2.0 | 48 | 10 | 434 | 2.17 | 445 | 5 | ND | 3 | 6 | 1 | 4 | 2 | 25 | .08 | .030 | 11 | 43 | .73 | 24 | .01 | 3 | .89 | .01 | .13 | 1 | 61 |
| E 17121 | 3 | 340 | 14 | 69 | 4.4 | 46 | 11 | 380 | 2.32 | 262 | 5 | ND | 2 | 6 | 1 | 5 | 2 | 19 | .10 | .034 | 11 | 38 | .61 | 23 | .01 | 8 | .78 | .01 | .15 | 1 | 31 |
| E 17122 | 1 | 82 | 7 | 69 | .9 | 37 | 9 | 430 | 2.15 | 335 | 5 | ND | 2 | 7 | 1 | 6 | 2 | 24 | .10 | .036 | 11 | 43 | .66 | 24 | .01 | 2 | .87 | .01 | .13 | 1 | 11 |
| E 17123 | 4 | 106 | 13 | 154 | 1.2 | 95 | 14 | 455 | 2.73 | 138 | 5 | ND | 2 | 7 | 1 | 6 | 2 | 28 | .09 | .034 | 11 | 48 | .92 | 26 | .01 | 6 | 1.11 | .01 | .13 | 1 | 1 |
| E 17124 | 1 | 92 | 14 | 77 | 1.1 | 51 | 11 | 337 | 2.32 | 74 | 5 | ND | 3 | 8 | 1 | 2 | 2 | 22 | .14 | .047 | 11 | 45 | .86 | 25 | .01 | 2 | 1.03 | .01 | .15 | 1 | 1 |
| E 17125 | 3 | 120 | 19 | 80 | 1.1 | 61 | 13 | 435 | 2.71 | 37 | 5 | ND | 3 | 12 | 1 | 2 | 2 | 28 | .22 | .049 | 11 | 48 | 1.15 | 20 | .01 | 2 | 1.40 | .01 | ,13 | 1 | 1 |
| E 17126 | 2 | 43 | 12 | 91 | .7 | 62 | 13 | 385 | 2.79 | 81 | 5 | ND | 4 | 10 | 2 | 2 | 2 | 23 | .20 | .061 | 11 | 42 | .88 | 20 | .01 | 5 | 1.16 | .01 | .16 | 1 | 1 |
| E 17127 | 6 | 91 | 11 | 83 | .9 | 47 | 11 | 429 | 2.61 | 1491 | 5 | ND | 3 | 8 | 1 | 19 | 2 | 22 | .15 | .052 | 9 | 41 | .70 | 29 | .01 | 2 | .93 | .01 | .14 | 1 | 106 |
| E 17128 | 4 | 152 | 21 | 105 | 1.8 | 53 | 14 | 445 | 2.82 | 132 | 5 | ND | 4 | 12 | 2 | 4 | 2 | 26 | .21 | .048 | 12 | 48 | .96 | 18 | .01 | 5 | 1.30 | .01 | .15 | 1 | 5 |
| E 17129 | 5 | 203 | 10 | 80 | 2.7 | 41 | 11 | 514 | 2.37 | 84 | 5 | ND | 4 | 7 | 1 | 3 | 3 | 26 | .14 | .049 | 12 | 47 | .71 | 24 | .01 | 3 | .95 | .01 | .13 | 1 | 1 |
| E 17130 | 3 | 60 | 8 | 70 | 1.0 | 41 | 11 | 481 | 2.50 | 173 | 5 | ND | 4 | 7 | 1 | 3 | 2 | 26 | .09 | .035 | 11 | 46 | .78 | 25 | .01 | 13 | .98 | .01 | .13 | 1 | 1 |
| E 17131 | 9 | 57 | 17 | 225 | 1.3 | 111 | 23 | 273 | 2.31 | 4238 | 5 | ND | 3 | 7 | 1 | 57 | 3 | 16 | .10 | .038 | 9 | 37 | .45 | 26 | .01 | 2 | .64 | .01 | .13 | 1 | 360 |
| STD C/AU-R | 20 | 61 | 38 | 132 | 6.9 | 69 | 28 | 1056 | 3.99 | 39 | 20 | 7 | 37 | 51 | 18 | 17 | 20 | 60 | .46 | .087 | 38 | 60 | .88 | 181 | .08 | 36 | 1.88 | .06 | .14 | 12 | 490 |

| SAMPLE# | MO PPM | CU PPM | PB PPM | ZN PPM | AG PPM | NI PPM | CO PPM | MN PPM | FE % | AS PPM | U PPM | AU PPM | TH PPM | SR PPM | CD PPM | SB PPM | BI PPM | V PPM | CA % | P % | LA PPM | CR PPM | MG % | BA PPM | TI % | B PPM | AL % | NA % | K % | W PPM | AU** PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E 17132 | 5 | 99 | 12 | 176 | 1.8 | 57 | 13 | 429 | 2.10 | 570 | 5 | ND | 4 | 5 | 1 | 7 | 2 | 19 | .11 | .037 | 9 | 33 | .46 | 26 | .01 | 2 | .63 | .01 | .10 | 1 | 38 |
| E 17133 | 5 | 70 | 10 | 79 | 1.5 | 45 | 12 | 518 | 2.43 | 888 | 5 | ND | 4 | 7 | 1 | 11 | 2 | 22 | .14 | .048 | 11 | 40 | .53 | 28 | .01 | 10 | .74 | .01 | .13 | 1 | 98 |
| E 17134 | 3 | 352 | 10 | 84 | 4.8 | 51 | 13 | 551 | 2.65 | 205 | 5 | ND | 4 | 6 | 1 | 7 | 2 | 21 | .11 | .039 | 9 | 31 | .45 | 31 | .01 | 8 | .69 | .01 | .14 | 1 | 9 |
| E 17135 | 2 | 77 | 4 | 63 | 1.5 | 33 | 10 | 196 | 2.06 | 806 | 5 | ND | 2 | 6 | 1 | 12 | 2 | 9 | .11 | .040 | 8 | 19 | .18 | 24 | .01 | 4 | .37 | .01 | .12 | 1 | 55 |
| E 17136 | 2 | 66 | 11 | 69 | 1.3 | 40 | 12 | 136 | 2.26 | 406 | 5 | ND | 4 | 5 | 1 | 6 | 2 | 7 | .13 | .039 | 8 | 15 | .16 | 19 | .01 | 4 | .48 | .01 | .19 | 1 | 5 |
| E 17137 | 1 | 50 | 16 | 64 | 1.5 | 43 | 12 | 36 | 2.35 | 622 | 5 | ND | 3 | 6 | 1 | 7 | 2 | 2 | .14 | .039 | 8 | 7 | .06 | 20 | .01 | 3 | .34 | .01 | .19 | 1 | 26 |
| E 17138 | 2 | 86 | 28 | 75 | 6.6 | 47 | 13 | 56 | 3.50 | 801 | 5 | ND | 4 | 5 | 2 | 12 | 2 | 2 | .12 | .036 | 7 | 8 | .07 | 22 | .01 | 6 | .29 | .01 | .17 | 2 | 40 |
| E 17139 | 3 | 72 | 16 | 73 | 1.3 | 43 | 11 | 205 | 2.42 | 284 | 5 | ND | 3 | 6 | 1 | 3 | 2 | 6 | .15 | .042 | 10 | 14 | .23 | 18 | .01 | 2 | .58 | .01 | .16 | 1 | 3 |
| E 17140 | 5 | 70 | 13 | 78 | 1.3 | 36 | 11 | 290 | 2.28 | 661 | 5 | ND | 4 | 8 | 1 | 6 | 3 | 12 | .18 | .049 | 12 | 27 | .40 | 25 | .01 | 7 | .74 | .01 | .13 | 1 | 24 |
| E 17141 | 5 | 73 | 17 | 63 | 1.1 | 35 | 9 | 314 | 2.36 | 535 | 5 | ND | 4 | 8 | 1 | 5 | 2 | 12 | .19 | .055 | 12 | 26 | .48 | 21 | .01 | 3 | .80 | .01 | .13 | 1 | 16 |
| E 17142 | 2 | 75 | 13 | 67 | 1.3 | 31 | 9 | 656 | 2.73 | 52 | 5 | ND | 5 | 47 | 1 | 2 | 2 | 18 | .78 | .040 | 12 | 35 | .71 | 20 | .01 | 9 | 1.08 | .01 | .12 | 1 | 1 |
| E 17143 | 1 | 82 | 17 | 60 | 1.2 | 29 | 8 | 444 | 2.40 | 445 | 5 | ND | 4 | 67 | 1 | 4 | 2 | 13 | 1.33 | .038 | 9 | 28 | .52 | 34 | .01 | 8 | .79 | .01 | .14 | 1 | 17 |
| E 17144 | 1 | 63 | 15 | 74 | .8 | 33 | 10 | 570 | 2.54 | 30 | 5 | ND | 4 | 111 | 1 | 2 | 2 | 23 | 2.22 | .039 | 14 | 42 | 1.03 | 19 | .01 | 4 | 1.28 | .01 | .12 | 1 | 1 |
| E 17145 | 1 | 82 | 17 | 75 | 1.1 | 35 | 10 | 532 | 2.55 | 25 | 5 | ND | 5 | 103 | 1 | 2 | 2 | 23 | 2.11 | .038 | 15 | 44 | 1.07 | 17 | .01 | 2 | 1.35 | .01 | .13 | 1 | 1 |
| E 17146 | 4 | 96 | 12 | 74 | 1.1 | 32 | 10 | 540 | 3.45 | 64 | 5 | ND | 4 | 107 | 1 | 2 | 2 | 21 | 2.33 | .039 | 8 | 41 | .96 | 17 | .01 | 2 | 1.18 | .01 | .12 | 1 | 1 |
| E 17147 | 3 | 74 | 16 | 65 | .9 | 32 | 9 | 436 | 2.33 | 67 | 5 | ND | 5 | 42 | 1 | 2 | 2 | 23 | 1.10 | .040 | 10 | 42 | .73 | 21 | .01 | 4 | 1.01 | .01 | .13 | 1 | 1 |
| E 17148 | 10 | 115 | 13 | 61 | 1.4 | 32 | 9 | 472 | 2.30 | 33 | 5 | ND | 2 | 105 | 1 | 2 | 2 | 20 | 2.09 | .036 | 9 | 37 | .64 | 19 | .01 | 4 | .94 | .01 | .12 | 1 | 1 |
| E 17149 | 1 | 73 | 8 | 59 | 1.0 | 31 | 9 | 398 | 2.26 | 33 | 5 | ND | 4 | 64 | 1 | 2 | 2 | 22 | 1.46 | .034 | 11 | 42 | .90 | 46 | .01 | 8 | 1.09 | .01 | .13 | 1 | 1 |
| E 17150 | 1 | 82 | 13 | 65 | .8 | 34 | 9 | 461 | 2.45 | 12 | 5 | ND | 4 | 79 | 1 | 2 | 2 | 27 | 1.70 | .040 | 11 | 45 | 1.24 | 31 | .01 | 2 | 1.34 | .01 | .11 | 1 | 1 |
| E 17151 | 22 | 77 | 20 | 73 | 1.0 | 33 | 10 | 603 | 2.58 | 99 | 5 | ND | 4 | 180 | 1 | 2 | 2 | 16 | 3.17 | .043 | 11 | 43 | .78 | 23 | .01 | 3 | 1.11 | .01 | .16 | 1 | 6 |
| E 17152 | 1 | 80 | 15 | 61 | .4 | 32 | 9 | 475 | 2.21 | 17 | 5 | ND | 4 | 139 | 1 | 2 | 2 | 19 | 3.27 | .041 | 13 | 42 | .87 | 30 | .01 | 2 | 1.05 | .01 | .13 | 1 | 1 |
| STD C/AU-R | 20 | 62 | 40 | 134 | 7.5 | 71 | 29 | 1069 | 4.01 | 39 | 24 | 8 | 41 | 52 | 19 | 17 | 21 | 60 | .47 | .091 | 40 | 56 | .85 | 182 | .09 | 36 | 1.83 | .06 | .14 | 13 | 510 |

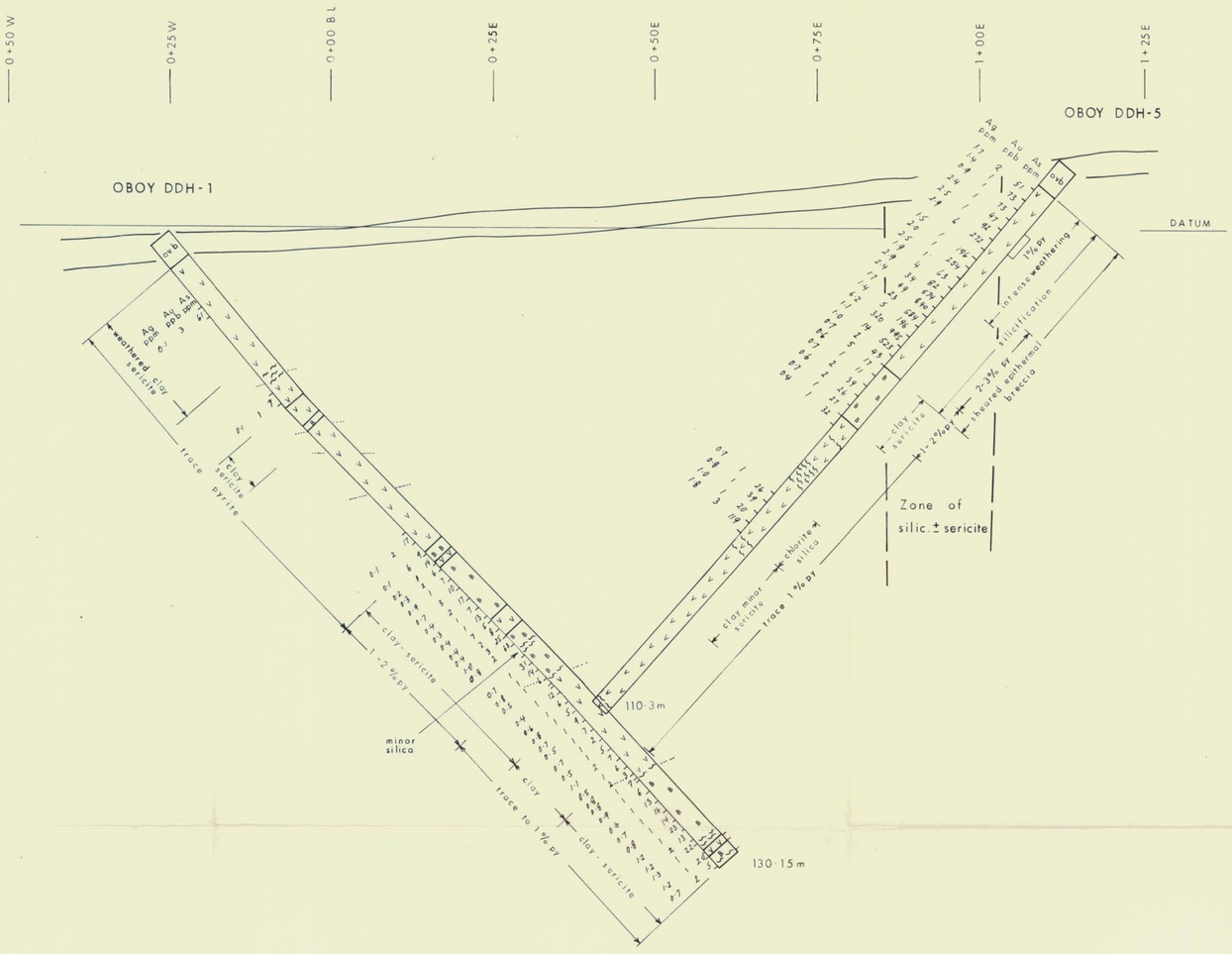
# GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEC. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU** ANALYSIS BY FA+AA FROM 10 GM SAMPLE.

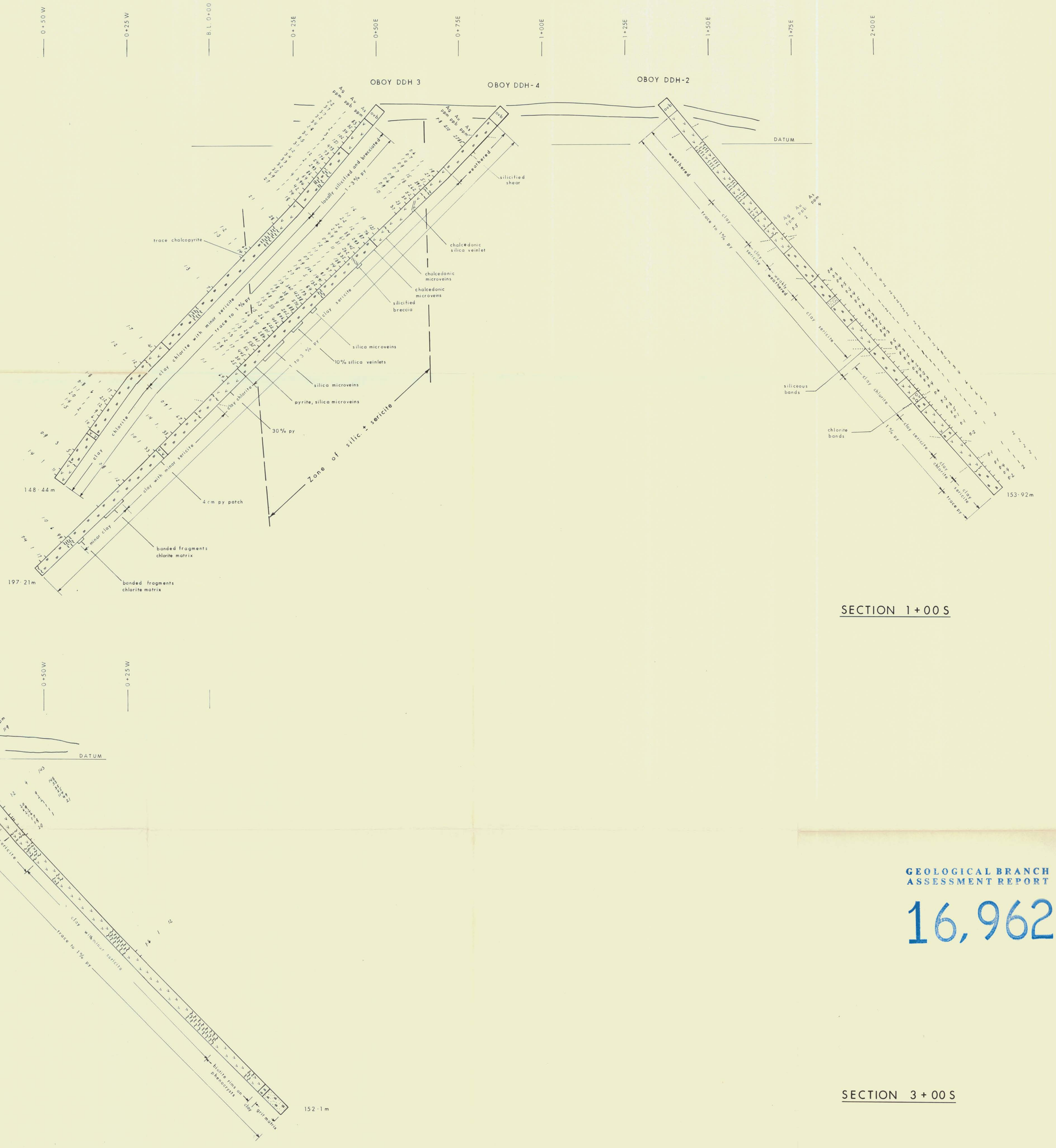
DATE RECEIVED: OCT 29 1987 DATE REPORT MAILED: Nov 5/87 ASSAYER. D. Toye .DEAN TOYE, CERTIFIED B.C. ASSAYER

LORNEX MINING CORP. PROJECT-502 File # 87-5281

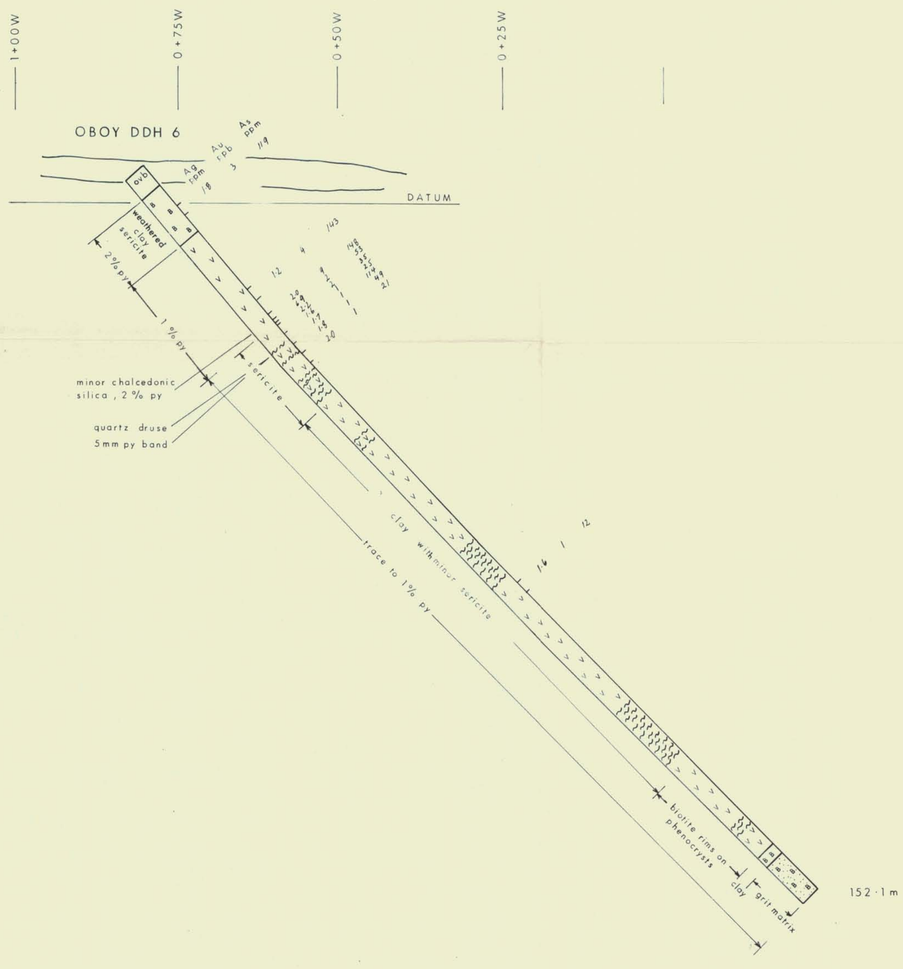
| SAMPLE# | MO PPM | CU PPM | PB PPM | ZN PPM | AG PPM | NI PPM | CO PPM | MN PPM | FE % | AS PPM | U PPM | AU PPM | TH PPM | SR PPM | CD PPM | SB PPM | BI PPM | V PPM | CA % | P % | LA PPM | CR PPM | MG % | BA PPM | TI % | B PPM | AL % | NA % | K % | W PPM | AU** PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E 17153 | 2 | 53 | 14 | 32 | 1.7 | 11 | 3 | 96 | 2.97 | 51 | 5 | ND | 5 | 6 | 1 | 5 | 2 | 24 | .01 | .058 | 19 | 47 | .12 | 45 | .01 | 4 | .96 | .04 | .22 | 1 | 2 |
| E 17154 | 3 | 54 | 19 | 16 | 1.4 | 5 | 2 | 67 | 2.46 | 73 | 5 | ND | 4 | 5 | 1 | 7 | 2 | 16 | .01 | .033 | 18 | 39 | .09 | 45 | .01 | 3 | .93 | .03 | .24 | 1 | 1 |
| E 17155 | 1 | 72 | 14 | 47 | .9 | 18 | 4 | 132 | 3.37 | 73 | 6 | ND | 5 | 3 | 1 | 7 | 2 | 21 | .01 | .052 | 16 | 51 | .18 | 29 | .01 | 2 | .92 | .02 | .15 | 1 | 1 |
| E 17156 | 3 | 252 | 16 | 56 | 2.4 | 31 | 9 | 162 | 2.58 | 47 | 5 | ND | 4 | 3 | 1 | 9 | 3 | 16 | .02 | .041 | 21 | 48 | .24 | 23 | .01 | 2 | .96 | .02 | .13 | 1 | 1 |
| E 17157 | 3 | 192 | 15 | 60 | 2.5 | 37 | 9 | 190 | 2.64 | 92 | 5 | ND | 4 | 3 | 1 | 11 | 2 | 21 | .02 | .043 | 22 | 50 | .22 | 26 | .01 | 2 | 1.02 | .01 | .14 | 1 | 1 |
| E 17158 | 4 | 138 | 11 | 94 | 2.9 | 36 | 10 | 404 | 2.74 | 242 | 5 | ND | 3 | 6 | 1 | 11 | 2 | 11 | .03 | .040 | 21 | 31 | .15 | 59 | .01 | 2 | .70 | .01 | .17 | 1 | 6 |
| E 17159 | 4 | 116 | 8 | 56 | 1.5 | 22 | 5 | 153 | 2.58 | 196 | 5 | ND | 4 | 7 | 1 | 11 | 2 | 14 | .02 | .040 | 13 | 39 | .11 | 31 | .01 | 4 | .67 | .01 | .16 | 1 | 1 |
| E 17160 | 3 | 84 | 11 | 80 | 2.0 | 29 | 8 | 282 | 3.06 | 254 | 5 | ND | 4 | 5 | 1 | 11 | 2 | 17 | .01 | .046 | 14 | 39 | .12 | 36 | .01 | 2 | .72 | .01 | .15 | 1 | 1 |
| E 17161 | 2 | 148 | 12 | 37 | 2.5 | 25 | 7 | 120 | 2.36 | 63 | 5 | ND | 4 | 7 | 1 | 9 | 2 | 14 | .01 | .039 | 13 | 37 | .12 | 23 | .01 | 2 | .63 | .01 | .15 | 1 | 1 |
| E 17162 | 4 | 188 | 7 | 34 | 1.9 | 21 | 7 | 217 | 2.79 | 82 | 5 | ND | 4 | 9 | 1 | 7 | 2 | 27 | .01 | .044 | 13 | 51 | .25 | 30 | .01 | 2 | .85 | .01 | .13 | 1 | 4 |
| E 17163 | 10 | 75 | 9 | 28 | 2.9 | 18 | 4 | 91 | 2.36 | 574 | 5 | ND | 3 | 3 | 1 | 19 | 2 | 7 | .01 | .034 | 8 | 18 | .03 | 20 | .01 | 2 | .32 | .01 | .11 | 2 | 34 |
| E 17164 | 2 | 260 | 7 | 17 | 2.4 | 25 | 10 | 51 | 2.09 | 840 | 5 | ND | 2 | 6 | 1 | 11 | 2 | 7 | .01 | .018 | 9 | 18 | .04 | 30 | .01 | 4 | .36 | .01 | .14 | 1 | 49 |
| E 17165 | 6 | 167 | 11 | 75 | 1.7 | 46 | 7 | 99 | 3.89 | 584 | 6 | ND | 3 | 10 | 1 | 25 | 2 | 12 | .04 | .065 | 10 | 27 | .09 | 24 | .01 | 3 | .73 | .01 | .14 | 1 | 23 |
| E 17166 | 2 | 131 | 16 | 47 | 1.4 | 36 | 10 | 159 | 2.45 | 196 | 5 | ND | 3 | 7 | 1 | 7 | 2 | 15 | .07 | .039 | 15 | 33 | .17 | 22 | .01 | 2 | .63 | .01 | .15 | 3 | 5 |
| E 17167 | 4 | 110 | 11 | 62 | 6.2 | 37 | 7 | 122 | 2.62 | 995 | 5 | ND | 3 | 6 | 1 | 23 | 2 | 12 | .06 | .042 | 11 | 27 | .12 | 21 | .01 | 2 | .51 | .01 | .15 | 1 | 320 |
| E 17168 | 2 | 88 | 9 | 71 | 1.1 | 42 | 13 | 269 | 2.42 | 523 | 5 | ND | 4 | 8 | 1 | 9 | 2 | 15 | .18 | .045 | 13 | 41 | .40 | 17 | .01 | 3 | .92 | .01 | .14 | 1 | 14 |
| E 17169 | 2 | 77 | 15 | 86 | 1.0 | 41 | 11 | 369 | 2.49 | 43 | 5 | ND | 4 | 8 | 1 | 3 | 2 | 21 | .18 | .042 | 13 | 56 | .59 | 21 | .01 | 6 | 1.19 | .02 | .12 | 1 | 2 |
| E 17170 | 1 | 69 | 12 | 92 | .7 | 38 | 10 | 399 | 2.32 | 17 | 5 | ND | 5 | 9 | 1 | 2 | 2 | 15 | .20 | .039 | 15 | 43 | .78 | 18 | .01 | 2 | 1.32 | .02 | .13 | 1 | 5 |
| E 17171 | 1 | 84 | 16 | 83 | .6 | 47 | 12 | 394 | 2.94 | 11 | 5 | ND | 6 | 7 | 1 | 3 | 2 | 20 | .13 | .036 | 17 | 56 | .73 | 24 | .01 | 2 | 1.21 | .02 | .13 | 1 | 1 |
| E 17172 | 1 | 93 | 15 | 88 | .7 | 48 | 12 | 415 | 2.85 | 39 | 5 | ND | 5 | 8 | 1 | 6 | 2 | 18 | .14 | .038 | 17 | 53 | .69 | 28 | .01 | 2 | 1.21 | .02 | .15 | 1 | 2 |
| E 17173 | 2 | 85 | 13 | 77 | .6 | 42 | 11 | 372 | 2.50 | 26 | 5 | ND | 5 | 7 | 1 | 8 | 2 | 19 | .15 | .038 | 15 | 50 | .62 | 28 | .01 | 4 | 1.09 | .02 | .14 | 1 | 2 |
| E 17174 | 4 | 93 | 19 | 83 | .7 | 42 | 12 | 456 | 2.78 | 27 | 5 | ND | 6 | 7 | 1 | 4 | 2 | 22 | .14 | .040 | 16 | 55 | .59 | 27 | .01 | 2 | 1.10 | .02 | .14 | 1 | 1 |
| E 17175 | 3 | 100 | 14 | 86 | .4 | 50 | 15 | 591 | 3.25 | 32 | 5 | ND | 5 | 8 | 1 | 3 | 3 | 24 | .15 | .043 | 15 | 51 | 1.03 | 24 | .01 | 4 | 1.48 | .02 | .12 | 1 | 1 |
| E 17176 | 2 | 128 | 18 | 84 | .7 | 48 | 15 | 635 | 3.08 | 26 | 5 | ND | 5 | 8 | 1 | 2 | 2 | 26 | .13 | .043 | 16 | 49 | .93 | 26 | .01 | 6 | 1.33 | .03 | .12 | 1 | 1 |
| E 17177 | 3 | 95 | 16 | 81 | .8 | 43 | 13 | 660 | 2.97 | 39 | 5 | ND | 5 | 9 | 1 | 6 | 2 | 25 | .18 | .059 | 16 | 52 | .75 | 30 | .01 | 3 | 1.22 | .03 | .14 | 1 | 1 |
| E 17178 | 2 | 105 | 17 | 74 | 1.0 | 41 | 13 | 541 | 2.86 | 20 | 5 | ND | 5 | 9 | 1 | 2 | 2 | 24 | .18 | .055 | 16 | 53 | .82 | 26 | .01 | 3 | 1.27 | .03 | .13 | 1 | 1 |
| E 17179 | 2 | 96 | 7 | 85 | 1.8 | 56 | 16 | 1244 | 3.43 | 119 | 5 | ND | 4 | 7 | 1 | 4 | 2 | 22 | .09 | .034 | 10 | 41 | .67 | 84 | .01 | 5 | 1.14 | .01 | .13 | 1 | 3 |
| E 17180 | 1 | 52 | 8 | 58 | 1.2 | 35 | 9 | 323 | 2.30 | 143 | 5 | ND | 5 | 10 | 1 | 5 | 2 | 15 | .17 | .035 | 10 | 34 | .40 | 27 | .01 | 6 | .71 | .01 | .15 | 1 | 4 |
| E 17181 | 1 | 132 | 11 | 76 | 2.0 | 28 | 9 | 503 | 2.46 | 148 | 5 | ND | 4 | 34 | 1 | 2 | 2 | 16 | .69 | .032 | 10 | 34 | .39 | 24 | .01 | 2 | .78 | .01 | .14 | 1 | 9 |
| E 17182 | 1 | 333 | 12 | 167 | 6.9 | 42 | 11 | 307 | 1.85 | 53 | 5 | ND | 4 | 8 | 1 | 3 | 2 | 13 | .14 | .031 | 9 | 29 | .42 | 25 | .01 | 5 | .71 | .01 | .16 | 1 | 2 |
| E 17183 | 1 | 113 | 16 | 63 | 2.2 | 58 | 16 | 589 | 2.46 | 35 | 5 | ND | 4 | 37 | 1 | 3 | 2 | 22 | .87 | .035 | 11 | 35 | .65 | 25 | .01 | 2 | 1.03 | .01 | .15 | 1 | 2 |
| E 17184 | 1 | 73 | 9 | 55 | 1.6 | 38 | 11 | 535 | 2.41 | 25 | 5 | ND | 4 | 65 | 1 | 2 | 2 | 20 | 1.38 | .033 | 12 | 45 | .49 | 64 | .01 | 2 | .95 | .02 | .15 | 1 | 1 |
| E 17185 | 4 | 71 | 10 | 62 | 1.7 | 48 | 13 | 392 | 2.23 | 114 | 5 | ND | 5 | 13 | 1 | 2 | 2 | 18 | .31 | .035 | 12 | 39 | .63 | 27 | .01 | 2 | .97 | .01 | .15 | 1 | 1 |
| E 17186 | 1 | 75 | 10 | 56 | 1.8 | 41 | 11 | 381 | 2.03 | 49 | 5 | ND | 5 | 37 | 1 | 2 | 2 | 15 | .87 | .035 | 14 | 39 | .43 | 37 | .01 | 3 | .88 | .02 | .19 | 2 | 1 |
| E 17187 | 1 | 95 | 10 | 70 | 2.0 | 40 | 11 | 559 | 2.49 | 21 | 5 | ND | 5 | 50 | 1 | 2 | 2 | 20 | 1.26 | .034 | 14 | 49 | .71 | 30 | .01 | 2 | 1.11 | .02 | .16 | 1 | 1 |
| E 17188 | 1 | 58 | 12 | 48 | 1.6 | 22 | 6 | 538 | 2.01 | 12 | 5 | ND | 5 | 74 | 1 | 2 | 2 | 16 | 1.52 | .034 | 15 | 48 | .47 | 30 | .01 | 2 | .87 | .02 | .17 | 2 | 1 |
| STD C/AU-R | 19 | 62 | 41 | 132 | 7.4 | 68 | 29 | 1165 | 4.07 | 41 | 18 | 8 | 39 | 52 | 18 | 16 | 18 | 58 | .46 | .085 | 39 | 61 | .85 | 181 | .07 | 34 | 1.90 | .06 | .14 | 12 | 520 |




SECTION 0+00 N




SECTION 1+00 S




SECTION 3+00 S

LEGEND

- Andesite flow
- Andesite flow breccia
- Variolitic andesite
- Andesite grit/tuff
- ~~~ Gouge and rubble
- ..... Banding
- py Pyrite

0 10 20 30 40 metres
SCALE 1:500

LORNEX MINING CORPORATION LTD.

OBOY CLAIMS

DIAMOND DRILL SECTIONS

| DATE | DRAWN BY | DWG. |
|---|---|---|
| DECEMBER 1987. | R.M.C. / J.S. | FIG. 3 |

GEOLOGICAL BRANCH
ASSESSMENT REPORT
16,962

16+00W 15+00W 14+00W 13+00W 12+00W 11+00W 10+00W 9+00W 8+00W 7+00W 6+00W 5+00W 4+00W 3+00W 2+00W 1+00W 0+00 1+00E 2+00E 3+00E 4+00E

9+00N 8+00N 7+00N 6+00N 5+00N 4+00N 3+00N 2+00N 1+00N 0+00 1+00S 2+00S 3+00S 4+00S 5+00S 6+00S

4600 4700 4800 4900 5000 5100 5200 5300

78° 48° 1

2

1

74° 1

CAMP

T1-87

T2-87

DDH-1 DDH-5 DDH-3 DDH-2 DDH-4 DDH-6

1

CUT LINE

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,962

LEGEND

- 1 Andesite
- 2 Feldspar porphyry
- Infered zone of silicification
- Outcrop
- Fracture
- Limit of I.P. and Mag. survey ( Fig 5,6 & 7)
- Diamond drill hole
- Trench

NTS 93 C/16

0 100 200 300 400 500 metres

SCALE 1:5000

N

LORNEX MINING CORPORATION LTD.

OBOY CLAIMS

# CAMP ZONE GRID
# GEOLOGY AND DRILL HOLE LOCATION

| DATE | DRAWN BY | DWG. |
|---|---|---|
| DECEMBER 1987. | R.M.C. / J.S. | FIG. 4 |