84-1159-13214

GEOLOGICAL BRANCH
ASSESSMENT REPORT

13,214

10/85

REPORT ON DRILLING ON THE LIZARD GROUP

LIZARD	276 (10)
DINOSAUR	277 (10)
DIPLUDOCUS	866 (5)
CRINOSAURUS	867 (5)

ALBERNI MINING DIVISION

92F/2

49°8.5'N 124°40.5'W

Owner: Umex Inc
Nursery Street,
Burnaby, B.C.

Operator: Noranda Exploration Company, Limited
(No Personal Liability)

Submitted by: R. Wilson
Project Geologist
November 30, 1984

Province of British Columbia

Ministry of Energy, Mines and Petroleum Resources

ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S)	TOTAL COST
Report on Drilling	12,963.47

AUTHOR(S) Rob G. Wilson SIGNATURE(S)

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED October 16, 1984 YEAR OF WORK 84

PROPERTY NAME(S) Lizard

COMMODITIES PRESENT Au (Cu)

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN

MINING DIVISION Alberni NTS 92 F/02

LATITUDE 49°8.5'N LONGITUDE 124°40.5'W

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property [Examples: TAX 1-4, FIRE 2 (12 units); PHOENIX (Lot 1706); Mineral Lease M 123; Mining or Certified Mining Lease ML 12 (claims involved)]:

Lizard 276 (10); Dinosaur 277 (10); Dipludocus 866 (5); Crindsaurus 867 (5)

OWNER(S)

(1) Umex Inc. (2)

MAILING ADDRESS

P.O. Box 7776,
Burnaby, B.C. V5E 2B4

OPERATOR(S) (that is, Company paying for the work)

(1) Noranda Exploration Company, Limited (No Personal Liability) (2)

MAILING ADDRESS

P.O. Box 2380,
Vancouver, B.C. V6B 3T5

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude):

The map area is underlain by rocks of the Sicker Group which are andestic to dacitic tuffs and flows, banded cherty tuffs, feldspar porphyry sills or dikes, and Buttle Lake limestone, chert and argillite.

Bedding attitudes, obtained mainly from banded tuffs and limestone, indicate a northeasterly to northerly striking, southeasterly to easterly, moderately dipping sequence of rocks. No evidence of major faulting was observed within the map area.

Mineralization was not extensive within the map area. Only pyrite and very minor pyrrhotite were observed occurring mainly within andesitic rocks and thin quartz-carbonate veins. One sample contained minor chalcopyrite and malachite.

(over)

REFERENCES TO PREVIOUS WORK..... Umex Assessment Reports # 7719, 8568, 8981, 10401
Noranda Assessment Reports (2) July, 1984

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	COST APPORTIONED
GEOLOGICAL (scale, area)			
Ground			
Photo			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for ....)			
Soil			
Silt			
Rock			
Other			
DRILLING (total metres; number of holes, size)			
Core	98.14 metres	Dinosaur	12,963.47
Non-core	6.7 metres (overburden)		
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralogic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY/PHYSICAL			
Legal surveys (scale, area)			
Topographic (scale, area)			
Photogrammetric (scale, area)			
Line/grid (kilometres)			
Road, local access (kilometres)			
Trench (metres)			
Underground (metres)			
		TOTAL COST	12,963.47

FOR MINISTRY USE ONLY	NAME OF PAC ACCOUNT	DEBIT	CREDIT	REMARKS:
Value work done (from report)				
Value of work approved				
Value claimed (from statement)				
Value credited to PAC account				
Value debited to PAC account				
Accepted ..... Date	Rept. No.			Information Class

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LIST OF FIGURES

INTRODUCTION

Location and Access

The Lizard group of claims is located 15 km south-east of Port Alberni between Patlicant Mountains and Douglas Peak (Fig.1). The Lizard group is comprised of 4 claims: the Lizard (276 (10) 9 units); the Dinosaur (277 (10) 3 units); the Dipludocus (866 (5) 15 units); and the Crinosaurus (867 (5) 16 units) Fig.2.

The Lizard property can be reached by two different routes from MacMillan Bloedel's Cameron Lake Divisional office at Port Alberni. Route 1 follows the Franklin Main and Thistle and Lizard Mains respectively to Lizard Lake in the centre of the claim group. Route 2 follows China Creek Main and Duck Main to Duck Lake on the eastern edge of the property.

Topography and Physiography

The Lizard group is situated on the lower slopes of two mountains with Lizard Lake trending north-south, central to the claims. The slope west of Lizard Lake rises gently contrasting with a very steep eastern slope.

The area is 75% logged with both juvenile forests and recently planted second growth areas. Underbrush is generally low and foot travel is relatively good.

Climatically the area is classified as coastal rain forest and although heavy rain can be expected at any time during the year, July and August are considered the dryest months. Snow accumulations to $\pm$ 1 m can be expected from December to March.

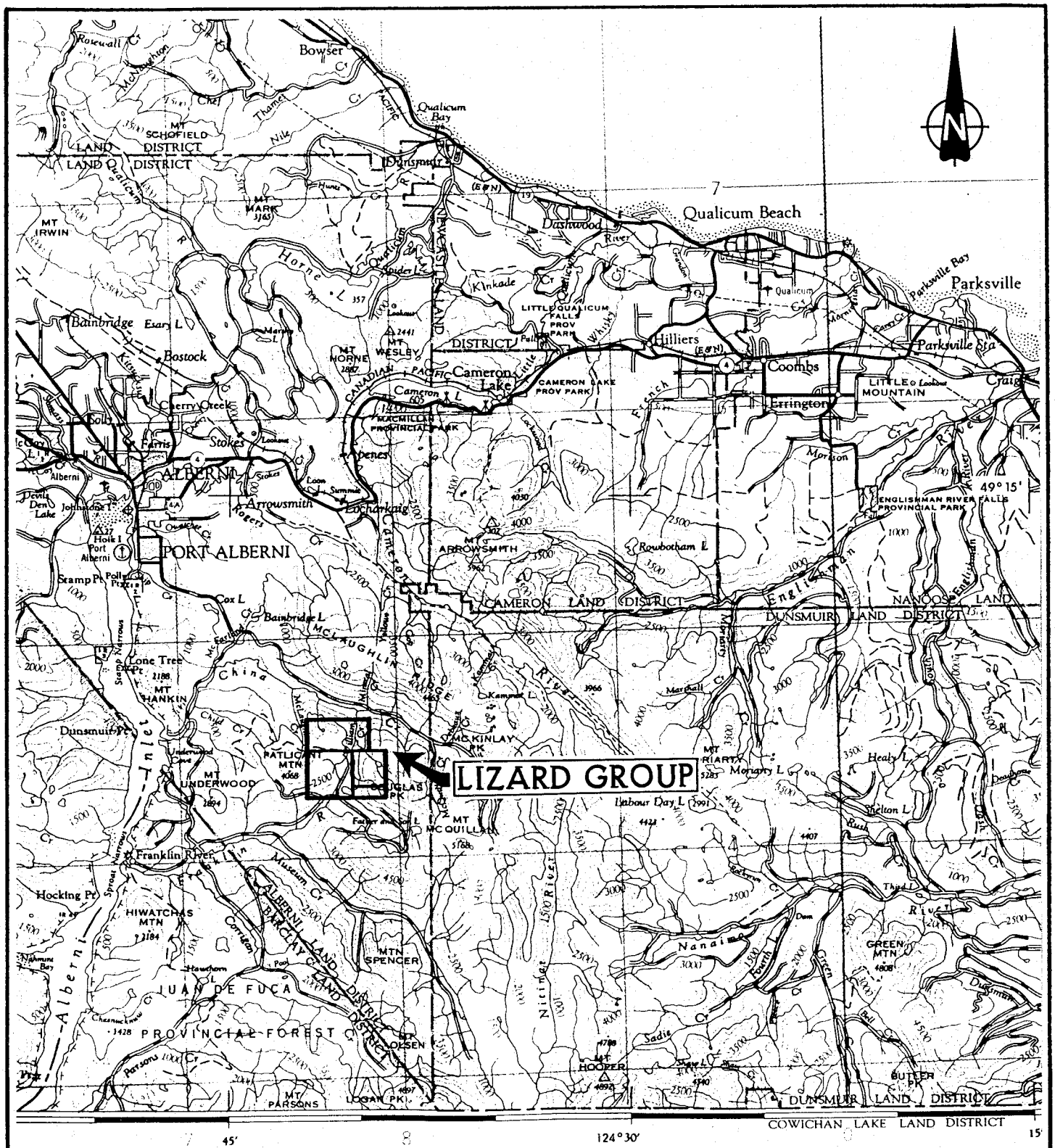
The Lizard Lake area lies within the Vancouver Island Ranges section of the Vancouver Island Mountains subdivision of the Insular Mountains physiographic zone. The bulk of the claim group is above 720 m (2360') and the highest area reaches 1160 m (3800').

Previous Work

Interest in the area is known since 1898 when the Regina Crown Grant (L.55G) was established by the Alberni Gold Development Syndicate on the north west boundary of the property. It is known that a trail to the property and a cabin were built but no other early work was recorded. In 1930 work was begun by a new owner on 5 adits, 1 shaft and an open cut. Several Au-Ag showings were established but none were ever mined.

Little is known of the area until 1971 when Nippon Mining of Canada Limited completed geological mapping and soil sampling of an area near the southern boundary of the Lizard group. No assessment work appears to have been filed.

In 1976 the area was regionally mapped by Western Mines Ltd., before the present claims were staked by Umex Inc. in 1978.

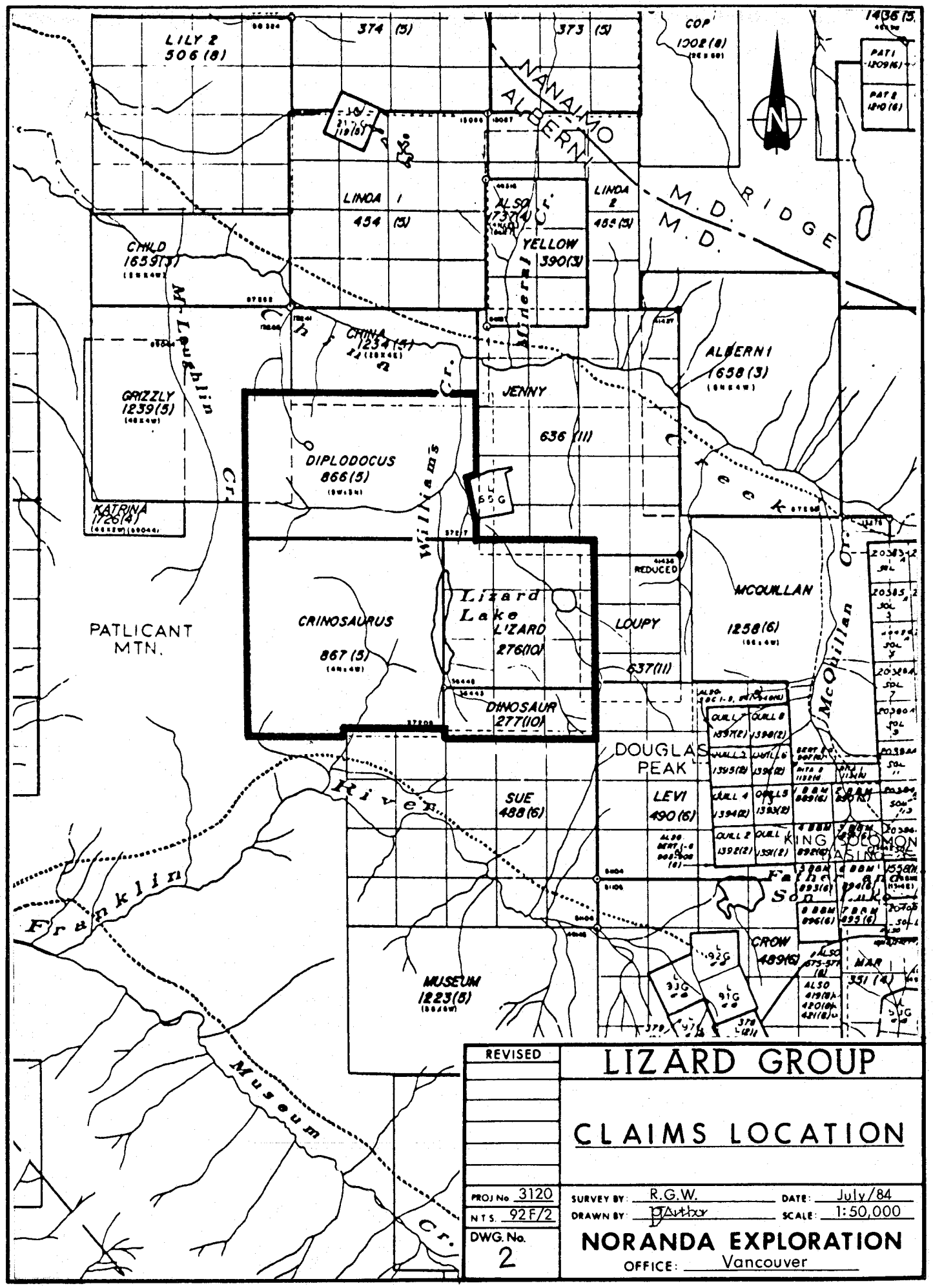


REVISED

LIZARD GROUP

LOCATION MAP

PROJ No. 3120	SURVEY BY: R.G.W.	DATE: July/84
N.T.S. 92F/2	DRAWN BY: JArther	SCALE: 1:250,000
DWG. No. 1	**NORANDA EXPLORATION**	
	OFFICE: Vancouver	



REVISED

LIZARD GROUP

CLAIMS LOCATION

PROJ No. 3120
NTS. 92F/2
DWG. No. 2

SURVEY BY: R.G.W. DATE: July/84
DRAWN BY: Author SCALE: 1:50,000

NORANDA EXPLORATION
OFFICE: Vancouver

A summary of recent work on the Lizard group is as follows:

- Lizard and Dinosaur claims staked in October 1978
- Regional geochemistry and geology completed on the Lizard and Dinosaur claims in the fall and spring of 1978-1979
- Dipludocus and Crinosaurus claims staked in April 1980
- Limited trenching and rock chip sampling completed in the summer of 1980.
- Ground EM and further rock sampling and geology completed in 1981.
- I.P. and Magnetometer geophysical surveys completed in 1983
- Detailed Geology-Geochemistry completed in 1983

The present survey was undertaken by Noranda Exploration Company, Limited (N.P.L.).

Owner - Operator

The Lizard group is on option to:

Noranda Exploration Company, Limited
P.O. Box 2380
1050 Davie Street,
Vancouver, B.C.
V6BN 3T5
F.M.C. #257876

from:

Umex Inc.
7776 Nursery Street,
Burnaby, B.C.
V6E 2B4
F.M.C. #264778

Noranda Exploration Company, Limited is the current operator.

Economic Potential

The Lizard group has several strong Au-As soil geochemical anomalies which require further evaluation. The economic potential of this property is therefore considered good to excellent.

SUMMARY OF WORK DONE

DRILLING

A total of 1 hole was drilled for 104.84 metres of NQ sized (47.6 mm diameter) diamond drill core.

CLAIMS WORKED

All drilling was performed on the Dinosaur claim, a 3 unit claim on the southern edge of the claim block.

DETAILED TECHNICAL DATA AND INTERPRETATION

GEOLOGICAL, GEOCHEMICAL, GEOPHYSICAL

Geological, geochemical, and geophysical surveys were completed in 1983/84 by Noranda in advance of the present drill programme. The results of those programmes are reported on in two assessment reports entitled "Report on Geology and Geochemistry on the Lizard Group" by R. Wilson, July 15, 1984 and "Report of Work, Geophysical Surveys on the Lizard Property" by L. Bradish, July 15, 1984.

Diamond drilling was used to test a broad Au geochemical anomaly. In the section of drilling the anomaly occurs from 99+25 to 99+75E on Line 101+00N. Au geochemical values from 100 to 680 ppb were received for soil samples taken in this area. A broad zone of low conductivity I.P. occurs coincidently with the geochemistry.

An NQ diamond drill hole at approximately 825 m elevation was collared at 100+83.5 n N 100+40.5 m E and drilled azimuth 270° at -55° for 104.85 m. The hole, Liz 84-1, was collared on March 31, 1984 and completed April 2, 1984. Two acid dip tests were taken, one at 46.63 m and another at 101.80 m and both indicate that the hole stayed a true -55° dip.

The rocks intersected Pennsylvanian and older Sicker Group Volcanics. They are mainly dacitic to andesitic tuffs and flows, with the more acidic rocks occurring toward the top of the hole (Figure 3). Dacitic rocks are grey green to green, fine grained, hard, and show some bedding. Crackle and mosaic breccia zones are present with some crackle breccia zones being caused by 1-5 mm quartz-calcite stockwork. Two zones of rhyodacitic breccia .30-1.3 m in length are recognized within the dacite. These zones are possible silicified dacitic tuffs.

Andesitic flows and tuffs are grey green, fine to medium grained, moderately soft and massive to slightly bedded. Anhedral feldspar crystals to 1 mm are present throughout, often with fuzzy borders. Changes in grain size are generally at distinct contacts with gradational coarsening away from a contact.

Sericite alteration and lesser chlorite and epidote alteration are seen in some sections. Quartz calcite veinlets from 1-5 mm with an average 2 mm

width occur as wispy, discontinuous and regularly dipping forms.

Tuff fragments vary from less than 1 mm to 1.5 cm and consist of angular, feldspar, hornblende and quartz. Minor chert fragments to 1.5 cm occur over sections to 30 cm.

The mineralization in this hole is poor, with pyrite being the only sulphide seen. Pyrite occurs in both the dacitic and andesitic rocks as fine grained crystals and disseminations. Pyrite is usually less than 1% but is seen occasionally to 2-3 and 5-6%.

Two narrow (less than 2 mm wide) feldspar-hornblende porphyry dikes or sills occur within the andesites. They consist of subhedral feldspar and ? hornblende phenocrysts to 4 mm (average 2 mm) in a green very fine grained, hard groundmass. The feldspars comprise 25% of the rock, and mafics 15%. As the contacts with the enclosing rocks are subparallel to bedding, these units are thought to be shallowly cross-cutting dikes.

The entire hole was sampled by split core procedures. The core was split in half along the core axis with one-half being collected for analysis and the other half returned to the core box. Sample lengths were dependent on lithological, mineralogical, and alteration boundaries (in that order), with a maximum sample width of 2.0 m.

A total of 54 samples were taken and sent to Noranda's geochemical laboratory in Vancouver for rock geochemical analysis. All samples were analyzed for Ag, As, Cu, Pb, Zn by Noranda's Vancouver laboratory. 35 of the samples were likewise analyzed by Noranda for Au while the remaining 19 Au analysis were completed by Bondar-Clegg laboratories in Vancouver. The Bondar-Clegg analyses are by Fire Assay - AA methods.

Appendix I contains information sheets on the analytical methods of geochemical analysis for Noranda's and Bondar-Clegg's laboratories.

The highest Au values for split core analysis are .21 and .24 gm/T and 300 ppb Au. These values are not considered to be significantly anomalous and hence the drill hole does not adequately explain the geochemical soil anomaly. The low conductivity I.P. zone is however explained by the disseminated pyrite found in the drill core.

No significant anomalies were received for other elements analyzed hence the ground tested by this hole is not considered to have economic potential.

The core is presently stored at AA Mini Storage, Nanaimo but will be returned to the south end of the property once all studies on the core have been completed.

CONCLUSIONS

The present drill programme was implemented as a result of geochemical - geological - geophysical studies undertaken by Noranda.

An NQ drill hole, Liz 84-1 collared at 100+83.5 m N, 100+40.5 m E was drilled azimuth 270^{o} at -55^{o} dip for 104.85 m.

The drill hole intersected weakly pyrite mineralized intermediate to acidic volcanics of the Sicker Formation.

The drilling did not explain a soil geochemical Au anomaly downslope from the drill hole.

The presence of minor disseminated pyrite in the core did explain the zone of low conductivity detected by the I.P. survey.

No anomalous values were received for other elements tested.

The core is presently stored at a warehouse in Nanaimo and will be returned to the property at a later date.

AUTHORS QUALIFICATIONS

I Rob. G. Wilson of the City of Vancouver, Province of British Columbia, do hereby certify that:

- I am a geologist residing at 3328 West 15th. Avenue, Vancouver B.C.

- I graduated from the University of British Columbia in 1976 with a BSc degree in Geology.

- I have worked in mineral exploration since 1973 and have practised my profession as a geologist since 1976.

- I am presently a Project Geologist with Noranda Exploration Company, Limited.

- I am a member of the Geological Association of Canada (Cordillera Division).

Rob Wilson

July 15, 1984

STATEMENT OF COSTS

NORANDA EXPLORATION COMPANY, LIMITED

STATEMENT OF COST

DATE OCTOBER 1984

PROJECT - LIZARD
TYPE OF REPORT Drilling

a) **Wages:**

No. of Days -	86 mandays	
Rate per Day -	$128.08	
Dates From -	January - August 31, 1984	
Total Wages	86 X $128.08	$11,014.76

b) **Food and Accommodation:**

No. of Days -	86	
Rate per Day -	$35.21	
Dates From -	January - August 31, 1984	
Total Cost -	86 X $35.21	$3,027.64

c) **Transportation:**

No. of Days -	86	
Rate per Day -	$43.98	
Dates From -	January - August 31, 1984	
Total cost	86 X $43.98	$3,782.65

d) Analysis

e) **Cost of Preparation of Report**

Author	**$ 256.16**
Drafting	**$ 256.16**
Typing	**$ 256.16**

f) **Other:** Contractor $49,174.68
Field Supplies 309.97

Total Cost $67,309.70

UNIT COSTS

Unit Costs for Drilling

No. of Days -	86	
No. of Units -	544.36 metres	
Unit Costs -	123.65/meter	
Total cost	86 X 544.36	$67,309.70

FOR ASSESSMENT PURPOSES HOLE #1 IS BEING USED AT A RATE OF 123.65/METER.

No. of Units -	104.84 meters	
Unit Costs -	123.65/meter	
Total Cost -	104.84 X 123.65	$12,963.47

APPENDIX I

ANALYTICAL METHOD DESCRIPTIONS FOR

GEOCHEMICAL ASSESSMENT REPORTS

ANALYTICAL METHOD DESCRIPTIONS FOR GEOCHEMICAL ASSESSMENT REPORTS

The methods listed are presently applied to analyse geological materials by the Noranda Geochemical Laboratory at Vancouver.

Preparation of Samples

Sediments and soils are dried at approximately 80°C and sieved with a 80 mesh nylon screen. The -80 mesh (0.18 mm) fraction is used for geochemical analysis.

Rock specimens are pulverized to -120 mesh (0.13 mm). Heavy mineral fractions (panned samples * from constant volume), are analysed in its entirety, when it is to be determined for gold without further sample preparation.

Analysis of Samples

Decomposition of a 0.200 g sample is done with concentrated perchloric and nitric acid (3:1), digested for 5 hours at reflux temperature. Pulps of rock or core are weighed out at 0.4 g and chemical quantities are doubled relative to the above noted method for digestion.

The concentrations of Ag, Cd, Co, Cu, Fe, Mn, Mo, Ni, Pb, V and Zn can be determined directly from the digest (dissolution) with a conventional atomic absorption spectrometric procedure. A Varian-Techtron, Model AA-5 or Model AA-475 is used to measure elemental concentrations.

Elements Requiring Specific Decomposition Method:

Antimony - Sb: 0.2 g sample is attacked with 3.3 ml of 6% tartaric acid, 1.5 ml conc. hydrochloric acid and 0.5 ml of conc. nitric acid, then heated in a water bath for 3 hours at 95°C. Sb is determined directly from the dissolution with an AA-475 equipped with electrodeless discharge lamp (EDL).

Arsenic - As: 0.2 - 0.3 g sample is digested with 1.5 ml of perchloric 70% and 0.5 ml of conc. nitric acid. A Varian AA-475 equipped with an As-EDL is used to measure arsenic content in the digest.

Barium - Ba: 0.1 g sample digested overnight with conc. perchloric, nitric and hydrofluoric acid; Potassium chloride added to prevent ionization. Atomic absorption using a nitrous oxide-acetylene flame determines Ba from the aqueous solution.

Bismuth - Bi: 0.2 g - 0.3 g is digested with 2.0 ml of perchloric 70% and 1.0 ml of conc. nitric acid. Bismuth is determined directly from the digest with an AA-475 complete with EDL.

Gold - Au: 10.0 g sample is digested with aqua regia(1 part nitric and 3 parts hydrochloric acid). Gold is extracted with MIBK from the aqueous solution. AA is used to determine Au.

Magnesium - Mg: 0.05 - 0.10 g sample is digested with 4 ml perchloric/nitric acid (3:1). An aliquot is taken to reduce the concentration to within the

range of atomic absorption. The AA-475 with the use of a nitrous oxide flame determines Mg from the aqueous solution.

Tungsten - W: 1.0 g sample sintered with a carbonate flux and thereafter leached with water. The leachate is treated with potassium thiocyanate. The yellow tungsten thiocyanate is extracted into tri-n-butyl phosphate. This permits colourimetric comparison with standards to measure tungsten concentration.

Uranium - U: An aliquot from a perchloric-nitric decomposition, usually from the multi-element digestion, is buffered. The aqueous solution is exposed to laser light, and the luminescence of the uranyl ion is quantitatively measured on the UA-3 (Scintrex).

* N.B. If additional elemental determinations are required on panned samples, state this at the time of sample submission. Requests after gold determinations would be futile.

LOWEST VALUES REPORTED IN PPM

Ag - 0.2	Mn - 20	Zn - 1	Au - 0.01
Cd - 0.2	Mo - 1	Sb - 1	W - 2
Co - 1	Ni - 1	As - 1	U - 0.1
Cu - 1	Pb - 1	Ba - 10	
Fe - 100	V - 10	Bi - 1	

EJvL/ie
March 14, 1984

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
Canada V7P 2R5
Phone: (604) 985-0681
Telex: 04-352667

BONDAR-CLEGG

GEOCHEMICAL SAMPLE FLOW

STEP 1
LOGGING IN - each sample submission is assigned a unique lot number

STEP 2
SORT - according to sample type (soils,streams,rocks,etc.) and then according to alphabetic and/or numeric order.
- physical sample is checked off against sample submittal form which has been completed (?) by the client.

STEP 3
SAMPLE PREPARATION - all samples are processed in numeric order with adequate drying being ensured before preparation

a) soils-sediments - bang dry sample in the bag with rubber mallet to break loose fines from clods/masses/etc.
- pour into 80 mesh stainless steel sieve.
- sift out all-80; if samples are for Au, sift out -20 +80 if -80 fraction less than 20 gm.
- re-bag sample and refile if retention of rejects requested otherwise - out goes the oversize

b) rock and drill core - put in numerical order; insert made-up pulp bags into proper rock bag
- primary crush
- secondary crush (80% -10 mesh)
- split out 200 - 400 gm with a Jones riffle splitter
- pulverize via an impact (ring and puck) grinder. Final product is about 50% -150 mesh and 99% -80 mesh, and is free from pulverizer contamination.

c) pan concentrates - sample is pulverized in its entirety to ensure homogeneity
- please no coarse metallic nuggets without prior warning

d) pulps - spot check for proper preparation; if unacceptable we re-prep

e) other sample types are prepared according to client's request

STEP 4
WEIGHING - using electronic balances,with a precision of +/-0.01g., we weigh 5% of the samples for duplicate analysis and 2% of our analyses are performed on accepted standards.

STEP 5
EXTRACTION METHODS - HNO3-HCl- a vicious attack that satisfactorily leaches Cu Pb Zn Mo As Mn Cd Ni Co etc.in "all" rocks and soils/seds. Problems would be low level values (less 40 ppm) in high iron oxide soils or in tight refractory lattices

Con't next page

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
Canada V7P 2R5
Phone: (604) 985-0681
Telex: 04-352667

BONDAR-CLEGG

HNO3	- satisfactory for almost all ore minerals of U,Bi some As minerals, and most sulphides.
PARTIAL EXTRACTIONS	- specific for specific type occurrences or for loosely bonded(e.g. hydromorphically deposited) ions.
HNO3-HClO4-HF	- a higher temperature, vicious attack that specifically attacks some refractory silicates and oxides. More difficult to control precision, but useful for elements like V, Be, Se and certain low level metallics in rock geochem programs.
HBr-Br	- a slow, but powerful oxidative attack designed for Te and Tl minerals.
VARIOUS FUSIONS	- for difficult to handle elements in refractory lattices (e.g. W Cr Au Pt).
STEP 6 ANALYSIS	- (see attached sheet)
STEP 7 DATA APPROVAL AND TRANSFER	- (see accompanying sheet entitled Computer services)
STEP 8 QUALITY CONTROL	- fifteen percent of our staff do nothing else but supervise and check procedures and techniques. The resident assayer, chemist and geochemist provide the final check.

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
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Phone: (604) 985-0681
Telex: 04-352667

BONDAR-CLEGG

GEOCHEMICAL METHODS

ELEMENT	EXTRACTION	METHOD OF ANALYSIS
Cu, Pb, Zn, Mo, As, Cd, Ni, Co, Mn, Fe	Hot Lefort Aqua Regia	Atomic Absorption
U	Hot Conc HNO3	Fluorimetric
W 0.2g	Basic Oxidation Fusion	Colourimetric
F	Basic Fusion	Citrate Buffer-Specific Ion
Au, Pt, Pd	Fire Assay & Hot Aqua Regia	Atomic Absorption
As	HClO4-HNO3 Arsine	Colourimetric
Hg 0.5g	Aqua Regia	Closed Cell, Flameless Atomic Absorption
Sn, Sb, Ba, Rb, Sr, Y, Zr, Nb, La, Ce, Ti 5.0-10.0g		Energy dispersive XRF
Th, Se, Ta, Ga, In		Discrete angle/cathode XRF
Bi	Hot Conc HNO3	Atomic Absorption
V, Be, Li	HClO4-HNO3-HF	Atomic Absorption
Cr	Sodium Peroxide Fusion	Atomic Absorption
Tl, Te	HBr-Br + Organic Extraction	Atomic Absorption
B	Basic Fusion	Plasma
Re	Alkali Fusion + Organic Extraction	Atomic Absorption
C		Leco Induction Furnace
WHOLE ROCK ANALYSIS		
SiO2 K2O Na2O CaO MgO MnO Fe Al2O3	HF-HNO3	Atomic Absorption
TiO2 P2O5	HF-HNO3	Colourimetric
S		Leco Induction Furnace

Fraction used for analysis: Rocks -100 mesh; soils/sediments -80 unless otherwise noted.

APPENDIX II

DIAMOND DRILL LOGS

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS				PROPERTY		PROJECT No.	N.T.S. No.
March 31/84	April 2/84	NQ					LIZARD		20	92F/2
FIELD CO-ORDINATES			DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES		Sheet 1 of 17
				RECORDED	CORRECTED	RECORDED / CORRECTED				
Lat. 100+83.5mN	Elev.	Dip -55 deg	46.63			55 deg	Lat.	Elev.	Dip	HOLE No.
Dep. 100+40.5mE	Length 104.85m	Bearing 270 deg	101.80			55 deg	Dep.	Length	Bearing	LIZ 84-1

From Metres	To Metres	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width Metres	ASSAYS Au (g/T)	Au(ppb)	Ag(ppm)	As(ppm)
0	6.7		Casing Overburden and fill. Triconed this section; no core recovery									
6.7	7.9		ANDESITE Medium to dark green, medium to coarse grained. Pale green anhedral feldspar and dark green to black anhedral mafic clots with indistinguishable borders. May be a boulder above bedrock. Core quite well broken. Contact with below unknown between 2 pieces of core, core does not fit together.									
(6.7	7.9)		As above NOT SAMPLED									
7.9	20.40	77%	DACITE FLOW-BRECCIA Grey green to green, fine grained hard moderately brecciated, some bedding. Rock is quite fractured but core recovery is good. Quartz-calcite veinlets are common cutting core in random directions. Veinlets 1mm to 1cm wide. Pyrite is present over short sections to 1% as disseminations and veinlets. Breccia zones are crackle to mosaic with some crackle breccias caused by qtz-calcite stockwork as at 15 to 15.7m. Two sections of pale green to white, dacitic to rhyodacitic breccia are seen at 11.28 to 11.50 and 18.57-19.90m. Both zones are pyritic with approx. 1% as very fine disseminations and thin veinlets. Contact with below arbitrary at flow? boundary at 26 deg. CA	Bedding 38deg. CA@ 11.25 25 deg. CA@13.0 41 deg.CA@15.0 28 deg.CA@18.6 27 deg. CA@20.2 Contact 26 deg CA@20.40								

DRILL LOG - 81

NOTE: Gold Results expressed in g/tonne were determined by Bondar-Clegg Laboritories

Date April 2/84 Logged By R. G. Wilson

Sample Descriptions by: G. Gill

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No.	N.T.S. No.
March 31/84	April 2/84	NQ						LIZARD		20	92F/2
FIELD CO-ORDINATES			DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	SURVEYED CO-ORDINATES			Sheet 2 of 17
Lat. 100+83.5 mN	Elev.	Dip -55 deg	46.63				55 deg	Lat.	Elev.	Dip	HOLE No.
Dep. 100+40.5 mE	Length 104.85m	Bearing 270 deg	101.80				55 deg	Dep.	Length	Bearing	LIZ 84-1

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Au(g/T)	Au(PPb)	Ag(ppm)	As(ppm)
(7.9	11.28)	36%	AS ABOVE 1% pyrite. Some rubbled core				63001	3.38	.07		0.2	L4
(11.28	11.50)	100%	RHYODACITE BRECCIA 3% Pyrite. Upper contact 40 deg CA, lower contact gradational				63002	.22	.14		1.8	48
(11.50	13.50)	100%	AS ABOVE Less than 1% pyrite.				63003	2.0	<.07		0.2	L4
(13.50	15.50)	100%	AS ABOVE Less than 1% Pyrite.				63004	2.0		10	0.2	8
(15.50	17.50)	75%	AS ABOVE Core length 1.7m. Less than 1% pyrite.				63005	2.0		10	0.2	12
(17.50	18.50)	94%	AS ABOVE Core length .94m.				63006	2.0	<.07		0.2	L4
(18.50	19.90)	90%	RHYODACITE BRECCIA Core length 1.26m Pyrite=1%. Very rusty zone at 18.88m. Some graphitic shear zones. Upper contact at 36 deg CA, lower contact at 38 deg CA.				63007	1.4	.07		0.2	40
(19.90	20.40)	100%	AS ABOVE Core length .5m. Pyritic fracture at 20.2m. Pyrite 1%				63008	.5	.17		0.2	16

DRILL LOG - 81

NOTE: Gold results expressed in g/tonne were determined by Bondar Clegg Laboritories

Date April 2/84 Logged By R.G. WILSON

Sample Descriptions by: G. Gill,

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No.	N.T.S. No.
March 31/84	April 2/84	NQ		BEARING		ANGLE		LIZARD		20	92F/2
FIELD CO-ORDINATES			DEPTH	RECORDED	CORRECTED	RECORDED	CORRECTED	SURVEYED CO-ORDINATES			Sheet 3 of 17
Lat. 100+83.5mN	Elev.	Dip -55 deg	46.63				55 deg	Lat.	Elev.	Dip	HOLE No.
Dep. 100+40.5mE	Length 104.85	Bearing 270 deg	101.80				55 deg	Dep.	Length	Bearing	LIZ 84-1

From Metres	To Metres	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width Metres	ASSAYS Au(g/T)	Au(ppb)	Ag(ppm)	As (ppm)
20.40	31.20	78%	ANDESITE-DACITE FLOW & TUFF BRECCIA Grey-green fine to medium grained hard to moderated hard massive to slightly bedded to brecciated. Quartz calcite veining still present but not as common as unit above. Core is quite broken to rubbled in places as at 24-26m. Majority of section is very fine grained with short sections of anhedral feldspar phenocrysts to 1mm. Breccia sections are generally mosaic breccia with angular fragments to 1 cm. Breccia sections with fragments quartz- calcite healed, are generally less than 30 cm long. Contact with below somewhat arbitrary. as the increase in fragments is gradual. Section has minor pyrite only. Interbedded tuff which is fine grained accurs over section to .75 m as at 27.75-28.50	Bedding 30 deg CA@ 23.3m 45 deg CA@ 27.0m 31 deg CA@ 29.90								
(20.40	22.40)	85%	AS ABOVE Less qtz-calcite veining than previous sections, actual length = 1.70m.				63009	2.0		10	0.2	∠4
(22.40	24.40)	85%	AS ABOVE Crumbly core. Actual length=1.7m. Large qtz-c.c. vein with pyrite from 22.40m to 22.70n.				63010	2.0		40	0.2	16
(24.40	26.40)	65%	AS ABOVE Section is very broken. Actual length= 1.30m.				63011	2.0		10	0.2	4
(26.40	28.40)	78%	AS ABOVE Few qtz-calcite veins. Actual length= 1.56m & more brecciated near lower end of section 1% pyrite.				63012	2.0		30	0.2	∠4

DRILL LOG - 81

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Date April 2/84 Logged By R.G. WILSON

Sample Descriptions by: G. Gill

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No.	N.T.S. No.
March 31/84	April 2/84	NQ						LIZARD		20	92F/2
FIELD CO-ORDINATES			DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	SURVEYED CO-ORDINATES			Sheet 4 of 17
Lat. 100+83.5mN	Elev.	Dip -55 deg	46.63				55 deg	Lat.	Elev.	Dip	HOLE No.
Dep. 100+40.5mE	Length 104.85m	Bearing 270 deg	101.80				55 deg	Dep.	Length	Bearing	LIZ 84-1

From Metres	To Metres	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width Metres	ASSAYS Au (g/T)	Au (ppb)	Ag (ppm)	As (ppm)
(28.40	30.40)	80%	AS ABOVE Actual length= 1.6m. Qtz-calcite veining increases in intensity starting at 29.70m-30.40m. - Well broken at 28.80-29.00m				63013	2.0		10	0.2	4
			- Rounded core end at 29.00m-moderately pyritic qtz veins from 29.60-30.40m.									
(30.40	31.20)	93%	AS ABOVE Actual length= .74 m. Some c c & qtz veining. Rock appears massive but has many micro structures.				63014	.8		20	0.2	4
31.20	35.65	90%	DACITIC-ANDESITIC TUFF Pale grey green to dark green hard to moderately hard (lighter sections are harder) with fragments to rounded feldspar and mafic (hornblende?) crystals to 3mm dia. color and hardness changes from pale-green hard at top to darker green softer at bottom of section. Section is fairly massive with qtz-calcite veins present but not extensive.. Contact with below arbitrary as crystals die out in rubbled core.	Bedding? 25 deg CA@ 33.8m	Py 1%							
(31.20	33.20)	90%	AS ABOVE Actual length= 1.8m. Top of section= well brecciated andesite- qtz-calcite veins with some pyrite occur moderately. Grades in & out of coarse gr. tuff & breccia. Few qtz & calcite veins. Minor pyrite fills fractures.				63015	2.0		40	0.2	<4

DRILL LOG - 81

NOTE: Gold Results expressed in g/tonne were determined by Bondar-Clegg Laboritories.

Date April 2/84 Logged By R.G. WILSON

Sample Descriptions by: G. Gill

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No.	N.T.S. No.
March 31/84	April 2/84	NQ		BEARING		ANGLE		LIZARD		20	92F/2
FIELD CO-ORDINATES			DEPTH	RECORDED	CORRECTED	RECORDED	CORRECTED	SURVEYED CO-ORDINATES			Sheet 5 of 17
Lat. 100+83.5mN	Elev.	Dip -55deg	46.63				55 deg	Lat.	Elev.	Dip	HOLE No.
Dep. 100+40.5mE	Length 104.85m	Bearing 270 deg	101.80				55 Deg	Dep.	Length	Bearing	LIZ 84-1

From Metres	To Metres	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width Metres	ASSAYS Au (g/T)	Au(ppb)	Ag(ppm)	As(ppm)
(33.20	35.20)	93%	AS ABOVE Actual length= 1.85 m.-darkens in color in middle of section & back to light green near end. Moderate qtz-calcite veining with pyrite assoc. with both veins & frac. filling. Rock becomes much softer near lower contact-rock also appears lighter & bleached. Pyrite =1-1.5%				63016	2.0		40	0.4	∠4
(35.20	35.65)	78%	AS ABOVE Actual length= .35m. Well broken core. Many microfractures.				63017	.45		20	0.2	24
35.65	43.3	100%	ANDESITE ? FLOWS Green to dark green very fine to fine grained, massive to slightly bedded. Very minor to no pyrite. Calcite-quartz veinlets present but not extensive. Veinlets are in random directions not parallel to bedding. Changes in grain size are generally at distinct contacts with gradational coarsening away from a contact. Pyrite is seen occasionally along fractures and rarely as disseminations. Average grade is much less than .5%. Contact with below unknown between 2 whole pieces of core. Possible fault boundary although no fault gouge seen.	Bedding 40 deg CA@37.0 35 deg CA@38.4 43 deg CA@42.1 48 deg CA@41.55 50 deg CA@ 43.0 40 deg CA@ 43.2								
(35.65	37.65)	89%	AS ABOVE Actual length= 1.78m. Minor qtz calcite veining. Little to no pyrite.				63018	2.0		10	0.2	∠4

DRILL LOG - 81

NOTE: Gold Results expressed in g/tonne were determined by Bondar-Clegg Laboratories

Date April 2/84 Logged By R.G. WILSON

Sample Description by: G. Gill

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No.	N.T.S. No.
March 31/84	April 2/84	NQ						LIZARD		20	92E/2
FIELD CO-ORDINATES			DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	SURVEYED CO-ORDINATES			Sheet 6 of 17
Lat. 100+83.5mN	Elev.	Dip -55 deg	46.63				55 deg	Lat.	Elev.	Dip	HOLE No. LIZ 84-1
Dep. 100+40.5mE	Length 104.85	Bearing 270 deg	101.80				55 Deg	Dep.	Length	Bearing	

From Metres	To Metres	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width Metres	ASSAYS Au(g/T)	Au(ppb)	Ag(ppm)	As(ppm)
(37.65	39.65)	84%	AS ABOVE Actual length= 1.67m. Moderately fractured rock which is quite soft. .5% sulfides.				63019	2.0		10	0.2	< 4
(39.65	41.65)	100%	AS ABOVE Actual length= 2.0m. Minor pyrite in fractures in tuffaceous zone. Qtz-calcite veins exist but are not extreme. Pyrite along fractures. Sample is mainly tuffaceous.				63020	2.0		10	0.2	< 4
(41.65	43.30)	100%	AS ABOVE Actual length= 1.85m. Some qtz & calcite veining with associated pyrite.				63021	1.65		10	0.2	16
43.3	44.9	88%	FELDSPAR-HORNBLENDE PORPHYRY DIKE? Subhedral feldspar and? hornblende phenocryite to 4 mm are set in a very fine grained hard green groundmass. Feldspars comprise 25% of rock, mafics 15%. The mafics tend to cluster in zones. Minor quartz-calcite veinlets and pyrite .5%. Contact with below sharp & irregular at 65 deg CA with bedded rock @ 45 deg CA immediately touching.	CONTACT 65 deg CA@ 44.9								
(43.30	44.90)	84%	AS ABOVE Actual length= 1.35m. Minor qtz-malcite veinlets. Pyrite- minor & along fractures.				63022	1.6		10	0.2	12
44.9	50.7	78%	ANDESITE TUFF & FLOWS? As, 35.65-43.3 but is more tuffaceous with frequent fragment sections as at 48.00. Pyrite is more common over short sections but stillless than 1%.	Bedding 45 deg CA@ 45.0 43 deg CA@ 48.20	Py 1%							

DRILL LOG - 81

NOTE: Gold Results expressed in g/tonne were determined by Bondar-Clegg Laboratories. Date April 2/84 Logged By R.G. WILSON

Sample Descriptions by: G. Gill

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No.	N.T.S. No.
March 31/84	April 2/84	NQ						LIZARD		20	92F/2
FIELD CO-ORDINATES			DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES			Sheet 7 of 17
				RECORDED	CORRECTED	RECORDED	CORRECTED				
Lat. 100+83.5 mN	Elev.	Dip - 55 deg	46.63				55 deg	Lat.	Elev.	Dip	HOLE No. LIZ 84-1
Dep. 100+40.5 mE	Length 104.85	Bearing 270 deg	101.80				55 deg	Dep.	Length	Bearing	

From Metres	To Metres	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width Metres	ASSAYS Au(g/T)	Au (ppb)	Ag(ppm)	As(ppm)
			Fine grained sections are less abundant than above. Broken to rubbled core 46.4-46.9? 50.16-50.60 core highly grained and sandy,rusty. Contact with below @40 deg CA									
(44.90	46.90)	90%	AS ABOVE Actual length= 1.8m. Very crumbly core between 46.60 & 46.75m.				63023	2.0		10	0.2	8
(46.90	48.90)	93%	AS ABOVE Actual length= 1.85m. 5% pyrite at 48.85-48.90m in med. gr. tuff. Few qtz-calcite veinlets through hole section.				63024	2.0	0.07		0.2	16
(48.90	50.70)	83%	AS ABOVE Actual length= 1.5m. Very broken section at 50.20 50.40m (rusty). Very pyritic (5%) at 48.95- 49.20m				63025	1.8		80	0.2	200
50.7	55.8	78%	ANDESITE TUFFS? FLOWS As 49.9-50.7 but coarser grained and feldspars are slightly clay altered and pale green in color. General epidote alteration throughout rock and rock is moder-	Bedding 42 deg @ 52.7	Py 1%							-
			ately soft. Some short sections of fine grained rock which is softer. Py present to 1% over short sectons as at 52.7-52.8. Some sections of this unit could be classified as fine grained porphyry.									
(50.7	52.7)	75%	AS ABOVE Actual length= 1.50m. Andesitic tuffs with altered (clay) feldspar xtals or fg feld. porphyry grading into andesitic flow. Pyrite = .5%. Contact at				63026	2.0		60	0.2	240
			52.20m									

DRILL LOG - 81

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Sample Descriptions by: G. Gill

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No.	N.T.S. No.
March 31/84	April 2/84	NQ		BEARING		ANGLE				20	92F/2
FIELD CO-ORDINATES			DEPTH	RECORDED	CORRECTED	RECORDED	CORRECTED	SURVEYED CO-ORDINATES			Sheet 8 of 17
Lat. 100+83.5 mN	Elev.	Dip -55 deg	46.63				55 deg	Lat.	Elev.	Dip	HOLE No. LIZ 84-1
Dep. 100+40.5mE	Length 104.85m	Bearing 270 deg	101.80				55 deg	Dep.	Length	Bearing	

From Metres	To Metres	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width Metres	ASSAYS Au(g/T)	Au(ppb)	Ag(ppm)	As(ppm)
(52.7	54.7)	84%	AS ABOVE Actual length= 1.67m. Large rusty qtz vein at 54.20m Qtz-calcite veins-minimal. Pyrite .5%.				63027	2.0	0.21		0.2	480
(54.7	55.8)	86%	AS ABOVE Actual length=0.95m.Large hb-pyrox xtals in some sections of fg. pale green flare rock. Pyrite= 1% over section & up to 5% as at 54.9m-55.15m. Pyrite occurs as fracture fillings & disseminations. Qtz-calcite veins exist but are not extensive.				63028	1.1	0.21		0.2	120
55.8	66.6	94%	ANDESITE FLOWS Green to dark green fine to medium grained moderately soft, frequently fractured and faulted with gouge material present. Quartz-calcite veining common with veinlets from 1mm to 2 cm at random angles to core axis. Sericite but not epidote alteration common Pyrite is generally absent but does occur locally as disseminations and fracture coatings, as at	56.7-57.0								
			Core is generally broken and highly fractured, locally producing a brecciated appearance. Core gouge@ 57.0- 57.2; 64.6 59.0- 59.2; 62.1-62.2	Bedding 35 deg CA@ 57.40								
			Gouge is probably due to rock shearing. Bedding is generally massive and is distinguished only at fine grained sections. Minor fragments are seen locally as at 60.5. Minor, porphyry sections as at 62.79.									
			Contact with below irregular and?gradational over 20 cm.									

DRILL LOG - 81

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Date April 2/84 Logged By R.G. WILSON

Sample Descriptions by: G. Gill

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No.	N.T.S. No.
March 31/84	April 2/84	NQ						LIZARD		20	92F/2
FIELD CO-ORDINATES			DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES			Sheet 9 of 17
				RECORDED	CORRECTED	RECORDED	CORRECTED				
Lat. 100+83.5mN	Elev.	Dip -55 deg	46.63				55 deg	Lat.	Elev.	Dip	HOLE No.
Dep. 100+40.5mE	Length 104.85m	Bearing 270 deg	101.80				55 deg	Dep.	Length	Bearing	LIZ 84-1

From Metres	To Metres	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width Metres	ASSAYS Au(g/T)	Au(ppb)	Ag(ppm)	As(ppm)
(55.8	57.8)	95%	AS ABOVE Actual length= 1.90m. Large sections of clay altered shear zones occur as at 55.95m + 56.94m. Core is soft & crumbly & contains over 1% pyrite along frac surfaces & as disseminations. V. crumbly from 56.90 to 57.80m & heavy sericite alteration.				63029	2.0		90	0.6	130
(57.8	59.80)	88%	AS ABOVE Actual length= 1.75m. Pale green & very crumbly core. Gouge from shearing contains sericite. Heavy clay alteration throughout section. Core becomes slightly more competent & tuffaceous from 59.40-59.80m. Pyrite occurs in fractures (5%)				63030	2.0		60	0.4	36
(59.80	61.80)	98%	AS ABOVE Actual length- 1.95m. Moderate heavy clay & sericite alteration in sample. Pyrite occurs along some fracture surfaces. Extensive qtz-calcite veining at 60.63m-60.87m. although most of section has minimal veinlets of latter composition. 61.60-61.30 also an area of extensive qtz-calcite veinlets at random orientation. Veining & fracturing in core makes for breccia appearance.				63031	2.0		20	0.4	8
(61.80	63.8)	98%	AS ABOVE Actual length= 1.95m. Well fractured 62.4m- sericitic alteration along gouge material (shear zone?) Large qtz-calcite vein at 62.50m. Fine gr. fieldspar porphyry observed at 63.08m.				63032	2.0		10	0.2	8

DRILL LOG - 81

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Date April 2/84 Logged By R.G. WILSON

Sample Descriptions by: G. Gill

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS				PROPERTY		PROJECT No.	N.T.S. No.
March 31/84	April 2/84	NQ					LIZARD		20	92F/2
FIELD CO-ORDINATES			DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	SURVEYED CO-ORDINATES			Sheet 10 of 17
Lat. 100+83.5mN	Elev.	Dip -55 deg	46.63				55 deg	Lat.	Elev.	Dip	HOLE No.
Dep. 100+40.5mE	Length 104.85m	Bearing 270 deg	101.80				55 Deg	Dep.	Length	Bearing	LIZ 84-1

From Metres	To Metres	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width Metres	ASSAYS Au(g/T)	Au(ppb)	Ag(ppm)	As(ppm)
			Core is full of microfractures & minute calcite-qtz veinlets but is more competent (although soft) than the last 2 samples, i.e. 57.8-61.8m. Gouge (crumbly core) at 62.5m. Zone of highly siliceous andesite between 63.15 m + 63.35m. From 63.15m rock appears more competant & harder.									
(63.8	65.8)	83%	AS ABOVE Actual length= 1.65m. 64.06- crumbly core with large 2-3cm qtz vein to c.a. Gouge & extensive qtz-calcite veinlets at lower end ie 65.60m. Core is quite soft due to clay & sericite alteration. V. little pyrite observed (0.5%)				63033	2.0		10	0.2	< 4
(65.8	66.6)	90%	AS ABOVE Actual length= .72m. Andesitic flow rock-broken up by microfractures + qtz-calcite veinlets. Pyrite fills fractures (190) Rock is competant but appears brecciated.				63034	1.5		50	0.2	< 4
66.6	68.1	87%	FELDSPAR-HORNBLENDE PORPHYRY Clay altered feldspar and? hornblende phenocrysts in a green fine grained groundmass. Rock is moderately soft with top and bottom contact being hard, fine grained matted light to medium green. Phenocrysts are subhedral, up to 3mm diameter and average 2mm. Quartz-calcite veinlets are ubiquitous to 10% of the rock and are somewhat wispy and discontinuous.									

DRILL LOG - 81

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Sample Descriptions by: G. Gill

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No.	N.T.S. No.
March 31/84	April 2/84	NQ						LIZARD		20	92F/2
FIELD CO-ORDINATES			DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	SURVEYED CO-ORDINATES			Sheet 11 of 17
Lat. 100+83.5mN	Elev.	Dip -55 deg.	46.63				55 deg	Lat.	Elev.	Dip	HOLE No.
Dep. 100+40.5mE	Length 104.85m	Bearing 270 deg	101.80				55 deg	Dep.	Length	Bearing	LIZ 84-1

From Metres	To Metres	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width Metres	ASSAYS Au(g/T)	Au(ppb)	Ag(ppm)	As(ppm)
			Pyrite is present throughout unit as local discontinuous bands to 3 mm wide and as occasional disseminations. Unit is massive bedded. Contact with below, as top contact, is irregular									
			and gradational in appearance, however it does have a contact of porphyry to altered (siliceous) contact rock of 37 deg CA.	37 deg CA@ 68.1								
(66.60	68.10)	100%	AS ABOVE Actual length= 1.5m. Feldspar-hb. porphyry with slightly altered feldspar phenos. Few to moderate qtz-calcite veinlets irregularly spaced throughout				63035	1.5		300	0.2	< 4
			unit. Rock is very hard & contains many qtz veinlets containing epidote & pyrite ± cpy. Cpy + py in qtz at 67.4m.									
68.1	73.5	98%	ANDESITE FLOWS MINOR TUFF Green to green grey, fine to medium grained moderately hard flow rocks with some flow breccias and minor section of tuff . Quartz calcite veinlets are									
			ubiquitous, often wispy and discontinuous. Alteration appears to be minor and siliceous in nature. Pyrite occurs locally as fracture coatings and									
			fine grained disseminations to 3% as at 69.35 to 69.5 and 70.0-70.45. Minor chalcopyrite present at 69.45. Rock is generally massive bedded with minor moderately									
			bedded sections. Bedding however is disrupted by frequent fractures. Short sections of tuffaceous material exists with fragments to 2cm but generally 1-2mm in diameter as at 73.5-73.8.	Bedding? 35 deg@ 67.1	Py 3%							
			Rock is highly fractured but core is very competant.									

DRILL LOG - 81

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Sample Description by: G. Gill

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY	PROJECT No.	N.T.S. No.
March 31/84	April 2/84	NQ		BEARING		ANGLE		LIZARD	20	92F/2
FIELD CO-ORDINATES			DEPTH	RECORDED	CORRECTED	RECORDED	CORRECTED	SURVEYED CO-ORDINATES		Sheet 12 of 17
Lat. 100+83.5mN	Elev.	Dip -55 deg	46.63				55 deg.	Lat.	Elev.	Dip	HOLE No.
Dep. 100+40.5mE	Length 104.85m	Bearing 270 deg	101.80				55 deg	Dep.	Length	Bearing	LIZ 84-1

From Metres	To Metres	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width Metres	ASSAYS Au(g/T)	Au(ppb)	Ag(ppm)	As(ppm)
			Minor epidote alteration, occasionally associated with quartz-calcite veining. Contact with below is somewhat arbitrary based on a general increase in the % of tuffaceous material present.									
(68.10	70.1)	91%	AS ABOVE Actual length= 1.81m. Andesitic flows competent core with many microfractures. Some tuffaceous units occur in flows. Pyrite & minor cpy seen at 69.50m in flow breccia fractures (5%) Large siliceous zone (3-5cm) at 69.90 n with epidote present also. 70.0n - zone of pyritic rich andesite flow-flow breccia (3% pyrite)				63036	2.0	0.14		0.2	< 4
(70.1m	72.1)	90%	AS ABOVE Actual length= 1.80m. Andesitic flows - silic. altered ± epidote. Pyritic rich andesite flow in fractures between 70.5 & 70.6m. Large qtz vein at 71.00 - 71.23m with pyritic selvage (2-3%). Pyrite thoughout sample = 1%				63037	2.0	0.10		0.2	16
(72.1	73.5)	90%	AS ABOVE Actual length= 1.26m. Very brecciated zone from 73.5m-73.80m. Core is siliceous & very competent. Gouge (shear zone?) at 73.30m.				63038	1.4	< 0.07		0.2	< 4

DRILL LOG - 81

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Sample Description by: G. Gill

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS				PROPERTY	PROJECT No.	N.T.S. No.
March 31.84	April 2/84	NQ					LIZARD	20	92F/2
FIELD CO-ORDINATES			DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	SURVEYED CO-ORDINATES		Sheet 13 of 17
Lat. 100+83.5mN	Elev.	Dip -55 deg	46.63				55 deg	Lat.	Elev. / Dip	HOLE No.
Dep. 100+40.5mE	Length 104.85	Bearing 270 deg	101.80				55 deg	Dep.	Length / Bearing	LIZ 84-1

From Metres	To Metres	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width Metres	ASSAYS Au(g/T)	Au(ppb)	Ag(ppm)	As(ppm)
73.5	104.85	92%	ANDESITE TUFF AND FLOWS As 68.1-73.5 but tuffaceous sections predominate over flow sections. Tuff fragments vary from less than 1mm to 1.5cm and consist of angular, sometimes altered feldspar, hornblende and?quartz. Minor chert fragments to 1.5cm in sections to 30cm. Quartz-calcite veinlets to 5mm average 2mm occur as wispy, discontinuous and regularily dipping forms. Two series of cross-cutting veinlets- are present at 33 and 25 deg Ca. Tuff sections are generally massive bedded. Only very fine ash? tuff section display bedding angles Pyrite occurs as disseminations and discontinuous veinlets to 2-3% as at 81.7-83.40 1% Py 88.39-89.30. Epidote alteration occurs pervasively over sections 5m and associated with quartz-calcite veinlets. 3 cm quartz vein with 2% py at 83.62; quartz calcite vein 1 cm wide parallel to CA@ 94.1-94.5. At 93.9 core becomes highly broken at 95.1 to 96.2 fragments with faults gouge present fo r 80% of section. Py 1% over this section. Py 1-2% 96.2-104.85 Py 5-6% 104.3-104.7 2 cm qtz vein @ 97.5	Bedding 59 deg CA@ 80.1 55 deg CA@ 77.8 37 deg CA@ 89.1 56 deg CA@ 100.75	Py 2% Py 5-6%							
(73.5	75.5)	88%	AS ABOVE Actual length= 1.76m. 73.7m=Large silic zone. Cherty frags to 3cm at 73.9-74.0m in fg andesitic tuff matrix. Small pyritic band assoc. with qtz-calcite				63039	2.0	0.07		0.2	< 4

DRILL LOG - 81

NOTE: Gold Results expressed in g/tonne were determined by Bondar-Clegg Laboratories Date April 2/84 Logged By R.G. WILSON

Sample Description by: G. Gill

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No.	N.T.S. No.
March 31/84	April 2/84	NQ						LIZARD		20	92F/2
FIELD CO-ORDINATES			DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES			Sheet 13a of 17
				RECORDED	CORRECTED	RECORDED	CORRECTED				
Lat. 100+83.5mN	Elev.	Dip -55 deg	46.63m				55 deg	Lat.	Elev.	Dip	HOLE No.
Dep. 100+40.5mE	Length 104.85m	Bearing 270 deg	101 .80m				55 deg	Dep.	Length	Bearing	LIZ 84-1

From Metres	To Metres	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width Metres	ASSAYS Au (g/T)	Au(ppb)	Ag(ppm)	As(ppm)
			veinlet at 74.05m. Epidote alteration pervasive. 74.48-74.55- zone of qtz veining in tuffaceous unit containing chert frags up to 3-4 cm long. Pyrite along qtz vein = 2-3%. 74.48-74.93- more cherty frags in andesitic matrix.									
(75.5	77.50)	100%	AS ABOVE Actual length= 2.52m. 76.1-76.27m= zone of qtz veining with siliceous & epidote alteration. Pyrite in this zone coats fractures & associated with wispy qtz stringers 77.0m-77.20m= zone of epid alteration associated with qtz-calcite veining & obvious cherty or rhyolitic fragments. Core is hard & very competent. 76.70m-77.00m- cherty frags in tuffaceous matrix. 77.10m- zone of very broken core (10 cm long)				63040	2.0		90	0.2	4
(77.50	79.5)	100%	AS ABOVE Actual length= 2.23m. 79.80m- 79.95- zone of qtz-calcite veinlets,epidote alteration, some cherty fragments & pyrite along fracture surfaces. 78.70m-78.93m- zone of qtz-calcite veining with extensive epidote alteration. Fine-med gr pyrite & cpy occur in qtz blebs up to 2 cm long as disseminations & fracture surfaces. A dark green chloritic? zone occurs around some of the mineralized quartz pods. Pyrite to 1% thru sample core becomes finer gr., more competant, less fractured & more massive closer to lower end of sample.				63041	2.0	0.07		0.2	4

DRILL LOG - 81

NOTE: Gold Results expressed in g/tonne were determined by Bondar-Clegg Laboratories

Date April 2, 1984 Logged By R.G. WILSON

Sample Description by: G. Gill

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No.	N.T.S. No.
March 31/84	April 2/84	NQ						LIZARD		20	92F/2
FIELD CO-ORDINATES			DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES			Sheet 14 of 17
				RECORDED	CORRECTED	RECORDED	CORRECTED				
Lat. 100+83.5mN	Elev.	Dip -55 deg	46.63				55 deg	Lat.	Elev.	Dip	HOLE No.
Dep. 100+40.5mE	Length 104.85m	Bearing 270 deg	101.80				55 deg	Dep.	Length	Bearing	LIZ 84-1

From Metres	To Metres	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width Metres	ASSAYS Au (g/T)	Au(ppb)	Ag(ppm)	As(ppm)
(79.5	81.50)	81%	AS ABOVE Actual length= 1.77m. Moderate amounts of qtz.-calc. veinlets. Very competent rock. 79.95m-qtz-calcite veining with epidote alteration & 3% disseminated pyrite.				63042	2.0	0.17		0.2	4
			79.85-79.95 - fg. bedding observed. 80.32m-80.62m = qtz % epid & pyrite in fracture zones associated with qtz veining. Sample becomes finer grained, darker & more massive from 80.70m to 81.50m. Also grades from tuff to flow rock. Very competent rock									
(81.50	83.50)	97%	AS ABOVE Actual length = 1.94m. Fine grained ash tuff to med gr. tuff & minor amts.of d. green, fg andesitic flow rocks.				63043	2.0	0.07		0.2	< 4
			Pyrite 1-2% in frac & qtz calcite veinlets at 81.60 - 81.70m. Fg diss pyrite in frac. & matrix in fg tuff as at 81.80-82.35m. (pyrite to 5%). Core is hard & v. competent. Some qtz-calcite veining-few fractures. 81.40-81.50 silicified zone-qtz veins epid & associated fg pyrite.									
(83.50	85.50)	96%	AS ABOVE Actual length= 1.42m. 35.80-86.46 - very broken up siliceously- altered andesitic tuff with 1% pyrite diss & along fractures. Core is moderately hard and has pervasire epidote alteration throughout. Pyrite occurs as disseminations & frac. fillings closely associted with qtz-calcite veinlets & siliceous zones.				63044	2.0	0.07		0.2	80

DRILL LOG - 81

NOTE: Gold Results expressed in g/tonne were determined by Bondar-Clegg Laboritories

Date April 2/84 Logged By R. G. Wilson

Sample Descriptions by: G. Gill

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No.	N.T.S. No.
March 31/84	April 2/84	NQ						LIZARD		20	92F/2
FIELD CO-ORDINATES			DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES			Sheet 15 of 17
				RECORDED	CORRECTED	RECORDED	CORRECTED				
Lat. 100+83.5mN	Elev.	Dip -55 deg	46.63				55 deg	Lat.	Elev.	Dip	HOLE No.
Dep. 100.40.5mE	Length 104.85	Bearing 270 deg	101.80				55 deg	Dep.	Length	Bearing	LIZ 84-1

From Metres	To Metres	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width Metres	ASSAYS Au(g/T)	Au(ppb)	Ag9ppm)	As (ppm)
(85.50	87.5)	93%	AS ABOVE Actual length= 1.85 m. 1% pyrite in frac. between 85.50 85.70m. Core loss between 85.8/m & 86.31m Large chunks of andesitic flow rock in fg, pale green andesitic tuff at 87.16m Core becomes more competent near bottom of sample. Pervasive epidote alteration throughout sample. Pyrite= 1% in frac. mainly associated with injection of qtz-calcite veinlets.				63045	2.0		10	0.2	< 4
(87.5	89.5)	100%	AS ABOVE Actual length= 2.1m. Mixture of andesitic tuff & fg d. green flow rock. Significant core loss between 88.17 m & 88.39m. Pyrite associated with fracturing & qtz-calcite veinlets. Some fg diss pyrite seen in andesite flow at 88.70m.				63046	2.0		40	0.2	20
(89.5	91.5)	79%	AS ABOVE Actual length=1.58m. Alternating fg tuffs + flows green to pale green in color. Pyrite occurs in frac + assoc. with qtz- calcite veinlets. Well broken core between 89.5m & 90.37m. Vein breccia between 90.45m & 90.55m. Pyrite exists only along fractures. Highly chloritic zone at 91.0-91.14 on in andesitic tuff containing fg. frac. filling pyrite Lg calcite vein with epidote at 91.34-91.41- no pyrite.				63047	2.0		10	0.2	< 4

DRILL LOG - 81

NOTE: Gold results expressed in g/tonne were determined by Bondar-Clegg Laboratories.

Date Apr 2/84 Logged By R.G. WILSON

Sample descriptions by: G. Gill

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS				PROPERTY	PROJECT No.	N.T.S. No.
March 31/84	April 2/84	NQ					LIZARD	20	92F/2
FIELD CO-ORDINATES			DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	SURVEYED CO-ORDINATES			Sheet 16 of 17
Lat. 100+83.5mN	Elev.	Dip -55 deg	46.63				55 deg	Lat.	Elev.	Dip	HOLE No.
Dep. 100+40.5mE	Length 104.85m	Bearing 270 deg	101.80				55 deg	Dep.	Length	Bearing	LIZ 84-1

From Metres	To Metres	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width Metres	ASSAYS Au (g/T)	Au(ppb)	Ag(ppm)	As(ppm)
(91.5	93.4)	98%	AS ABOVE Actual length = 1.96m. Light green, pervasively epidote altered, f-med gr. andes tuff-moderately soft core. Moderately well fractured & veined (qtz & calcite) wity pyrite observed in both of the latter. Core loss between 92.20m & 92.65m. 93.25m-93.40m- large frags of cherty material to 1cm.				63048	2.0		10	0.2	<4
(93.5	95.5)	100%	AS ABOVE Actual length = 2.0m. 93.84-93.90m= med gr. pyrite in frac & diss in andesitic tuff (5%) 93.95m-94.35m- large qtz.-calcite vein running ll to r axis. 94.55m-95.30m-= very broken core. Gouge material included between 94.90m & 95.20m with sericite alteration. Pyrite assoc. with qtz-calc veining in diss & along frac. -2% across section.				63049	2.0		70	0.2	36
(95.5	95.7)	88%	AS ABOVE Actual length= 1.75m Fine med gr. andesitic tuff with pervasive epidote alteration, moderate qtz-calc. veining & fracturing. Core is well broken but not sheared as there is no gouge material present. 5% pyrite in frac & as disseminations between 95.5 + 95.60m. Pyrite occurs mainly along frac assoc. with qtz calcite veinlets as at 97.30-97.40m and at 95.85m & constitutes up to 2% of rock in these local areas.				63050	2.0	< .07		0.2	12
(97.5	99.5)	95%	AS ABOVE Actual length = 1.9m 97.5=top of box 18. Andesitic tuff with moderate qtz-calcite veining. Core is quite competent. Large qtz-calcite veinat 97.6-97.7. 98.1-occasional cherty frags as well as at 98.6-98.7 where 2% pyrite in fractures also occurs. Core is quite light colored due to siliceous & epidote				63051	2.0	< .07		0.2	4

DRILL LOG - 81

NOTE: Gold Results expressed in g/tonne were determined by Bondar-Clegg Laboritories

Date April 2/84 Logged By R. G. Wilson

Sample Descriptions by: G. Gill

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No.	N.T.S. No.
March 31/84	April 2/84	NQ						LIZARD		20	92F/2
FIELD CO-ORDINATES			DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES			Sheet 17 of 17
				RECORDED	CORRECTED	RECORDED	CORRECTED				
Lat. 100+83.5mN	Elev.	Dip -55 deg	46.63				55 deg	Lat.	Elev.	Dip	HOLE No.
Dep. 100+40.5mE	Length 104.85m	Bearing 270 deg	101.80				55 deg	Dep.	Length	Bearing	LIZ 84-1

From Metres	To Metres	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width Metres	ASSAYS Au (g/T)	Au(ppb)	Ag(ppm)	As(ppm)
			alteration. Cherty frags are actually quite frequent thru this section. Pyrite-1.5-2% over section.									
(99.5	101.5)	100%	AS ABOVE Actual length=2.00m. Andesitic tuffs & minor flow. Flow & fg tuff observed near bottom of section. Rock and fg tuff observed near bottom of section. Rock is quite soft & well fractured but not crumbly. Pyrite is found along frac. & assoc. with the moderate thin qtz calcite veinlets. Pyrite also found as disseminations in fg tuff & flow. (total Py=2%).				63052	2.0	0.10		0.2	28
(101.5	103.5)	84%	AS ABOVE Actual length=1.67m Fg-med andesitic tuff with occasional cherty fragments as at 101.87m-102.07m. Rock is moderately well fractured and soft. Gouge material (clay) at 102.54m -102.60m. Pyrite over this section = 1% mainly along fractures.				63053	2.0	0.10		0.4	56
(103.5	104.85)	100%	AS ABOVE Actual length= 1.70m. Fg. andesitic tuff & flows. Dark green is color-core is quite competent. Pyrite occurs as fracture filling to 2% & very f.g. disseminations to 1% Core is quite soft. Qtz-caclite veining exists but is not extensive.				63054	1.35	0.24		0.6	170
	104.85		END OF HOLE Casing pulled. 2' section of casing left in hole as a hole marker.									

DRILL LOG - 81

NOTE: Gold Results expressed in g/tonne were determined by Bondar-Clegg Laboritories Date April 2/84 Logged By R. G. Wilson

Sample Descriptions by: G. Gill

APPENDIX III

CORE SAMPLE GEOCHEMICAL ANALYSIS

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 92F/2

PROPERTY LIZARD GROUP D.D.H. LIZ 84 - 1

DATE MAY 1 / 84

SAMPLE REPORT

NOTE: L = Less Than

SAMPLE NO.	LOCATION & DESCRIPTION	TYPE	WIDTH metres	ASSAYS Cu ppm	Zn ppm	Pb ppm	Ag ppm	As ppm	Au ppb	Au gmt	SAMPLE BY
63001	7.90 - 11.28 m	CORE	3.38	68	86	2	0.2	L4		.07	DGG
63002	11.28 - 11.50 m	"	.22	530	28	6	1.8	48		.14	"
63003	11.50 - 13.50 m	"	2.0	80	54	2	0.2	L4		L.07	"
63004	13.50 - 15.50 m	"	2.0	66	64	2	0.2	8	10		"
63005	15.50 - 17.50 m	"	2.0	66	64	2	0.2	12	10		"
63006	17.50 - 18.50 m	"	2.0	64	76	2	0.2	L4		L.07	"
63007	18.50 - 19.90 m	"	1.4	130	54	2	0.2	40		.07	"
63008	19.90 - 20.40 m	"	.5	200	68	2	0.2	16		.17	"
63009	20.40 - 22.40 m	"	2.0	72	64	2	0.2	L4	10		"
63010	22.40 - 24.40 m	"	2.0	64	76	2	0.2	16	40		"
63011	24.40 - 26.40 m	"	2.0	78	90	2	0.2	4	10		"
63012	26.40 - 28.40 m	"	2.0	180	74	2	0.2	L4	30		"
63013	28.40 - 30.40 m	"	2.0	76	96	2	0.2	4	10		"
63014	30.40 - 31.20 m	"	.8	160	90	2	0.2	28	20		"
63015	31.20 - 33.20 m	"	2.0	210	68	4	0.2	L4	40		"
63016	33.20 - 35.20 m	"	2.0	300	62	2	0.4	L4	40		"
63017	35.20 - 35.65 m	"	.45	120	78	2	0.2	24	20		"
63018	35.65 - 37.65 m	"	2.0	88	72	2	0.2	L4	10		"
63019	37.65 - 39.65 m	"	2.0	80	72	2	0.2	L4	10		"
63020	39.65 - 41.65 m	"	2.0	84	80	2	0.2	L4	10		"
63021	41.65 - 43.30 m	"	1.65	54	80	2	0.2	16	10		"
63022	43.30 - 44.90 m	"	1.6	84	80	2	0.2	12	10		"
63023	44.90 - 46.90 m	"	2.0	120	76	2	0.2	8	10		"

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 92F/2

PROPERTY LIZARD GROUP D.D.H. LIZ 84 - 1

DATE MAY 1 / 84

SAMPLE REPORT

NOTE: L = Less Than

SAMPLE NO.	LOCATION & DESCRIPTION	TYPE	WIDTH metres	ASSAYS Cu ppm	Zn ppm	Pb ppm	Ag ppm	As ppm	Au ppb	Au gmt	SAMPLE BY
63024	46.9 - 48.9 m	CORE	2.0	190	54	2	0.2	16		.07	DGG
63025	48.9 - 50.7 m	"	1.8	110	74	2	0.2	200	80		"
63026	50.7 - 52.7 m	"	2.0	86	68	2	0.2	240	60		"
63027	52.7 - 54.7 m	"	2.0	100	70	2	0.2	480		.21	"
63028	54.7 - 55.8 m	"	1.1	100	84	2	0.6	120		.21	"
63029	55.8 - 57.8 m	"	2.0	170	70	2	0.6	130	90		"
63030	57.8 - 59.8 m	"	2.0	110	86	2	0.4	36	60		"
63031	59.8 - 61.8 m	"	2.0	100	80	2	0.2	8	20		"
63032	61.8 - 63.8 m	"	2.0	90	74	2	0.2	8	10		"
63033	63.8 - 65.8 m	"	2.0	62	82	2	0.2	L4	10		"
63034	65.8 - 66.6 m	"	1.5	120	80	2	0.2	L4	50		"
63035	66.6 - 68.1 m	"	1.5	830	66	2	0.2	L4	300		"
63036	68.1 - 70.1 m	"	2.0	440	88	2	0.2	L4		.14	"
63037	70.1 - 72.1 m	"	2.0	430	88	2	0.2	16		.10	"
63038	72.1 - 73.5 m	"	1.4	88	66	2	0.2	L4		L.07	"
63039	73.5 - 75.5 m	"	2.0	140	78	2	0.2	L4		.07	"
63040	75.5 - 77.5 m	"	2.0	120	68	2	0.2	L4	90		"
63041	77.5 - 79.5 m	"	2.0	120	78	2	0.2	L4		L.07	"
63042	79.5 - 81.5 m	"	2.0	160	84	2	0.2	4		.17	"
63043	81.5 - 83.5 m	"	2.0	210	70	2	0.2	L4		.07	"
63044	83.5 - 85.5 m	"	2.0	76	72	2	0.2	80		.07	"
63045	85.5 - 87.5 m	"	2.0	86	84	2	0.2	L4	10		"
63046	87.5 - 89.5 m	"	2.0	64	88	2	0.2	20	40		"

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 92F/2

PROPERTY LIZARD GROUP D.D.H. LIZ 84 - 1

DATE MAY 1 / 84

SAMPLE REPORT

NOTE: L = Less Than

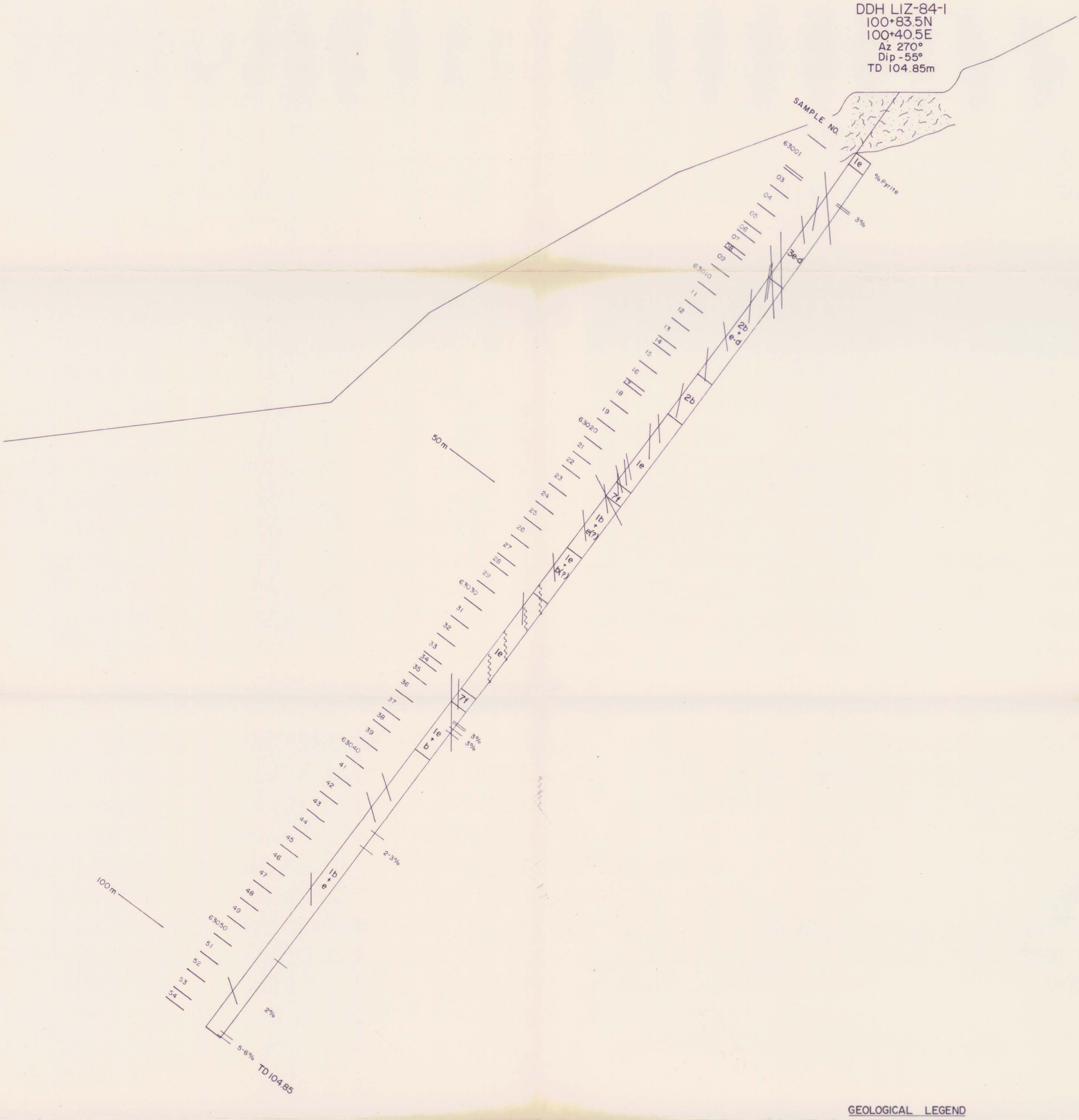
SAMPLE NO.	LOCATION & DESCRIPTION	TYPE	WIDTH metres	ASSAYS Cu ppm	Zn ppm	Pb ppm	Ag ppm	As ppm	Au ppb	Au gmt	SAMPLE BY
63047	89.5 - 91.5 m	CORE	2.0	80	64	2	0.2	L4	10		DGG
63048	91.5 - 93.5 m	"	2.0	62	52	2	0.2	L4	10		"
63049	93.5 - 95.5 m	"	2.0	120	52	2	0.2	36	70		"
63050	95.5 - 97.5 m	"	2.0	98	50	2	0.2	12		L.07	"
63051	97.5 - 99.5 m	"	2.0	140	48	2	0.2	4		L.07	"
63052	99.5 - 101.5 m	"	2.0	280	40	2	0.2	28		.10	"
63053	101.5 - 103.5 m	"	2.0	120	50	2	0.4	56		.10	"
63054	103.5 - 104.5 m	"	1.35	120	46	2	0.6	170		.24	"

VANCAL 11917

W

E

DDH LIZ-84-1
100+83.5N
100+40.5E
Az 270°
Dip -55°
TD 104.85m



GEOLOGICAL LEGEND

SICKER GROUP

MIDDLE to LOWER PENNSYLVANIAN

1 ANDESITE
2 DACITE and ANDESITE
3 DACITE
4 CHERT
5 SHEAR or FAULT ZONE
6 FELDSPAR PORPHYRY
7 FELDSPAR HORNBLENDE PORPHYRY

a. ASH TUFF
b. TUFF
c. LAPILLI TUFF
d. BRECCIA
e. FLOW
f. DIKE or SILL
g. FAULT GOUGE

Bedding angle

Lithologic contact angle

Shear or fault

Overburden

Section is looking North

SCALE
1cm = 2m

8 6 4 2 0 4 8 12 metres

REVISED	LIZARD GROUP
	SECTION 101+00N DDH LIZ-84-1
PROJ. No. 20	SURVEY BY: R.W., I.M. DATE: 84-05-20
N.T.S. 92 F 2	DRAWN BY: sksLillie SCALE: 1:200
DWG. No. 3	NORANDA EXPLORATION OFFICE Vancouver

AVAILABLE - 1985

122+00 N
120+00 N
119+50 N
119+00 N
118+50 N
118+00 N
117+50 N
117+00 N
116+00 N
115+00 N
114+00 N
113+00 N
112+00 N
111+00 N
110+00 N
109+00 N
108+00 N
107+00 N
106+00 N
105+00 N
104+00 N
103+00 N
102+50 N
101+50 N
101+00 N
100+50 N
100+00 N
99+50 N

℄ 109+00E

Sub ℄ 108+00E

800

LCP

800

Lizard Lake

LCP LIZARD 276(10) (3N x 3E)
LCP DINOSAUR 277(10) (1S x 3E)

1000

⊙LIZ 84-1

Sub ℄ 101+50 E

℄ 106+00E

SCALE
1 cm = 25m

100 75 50 25 0 50 100 150 200 metres

REVISED	LIZARD GROUP
	D.D.H. LOCATION
	LIZ 84-1
PROJ. No. 20	SURVEY BY: P.G.W. DATE: 84-05-31
N.T.S. 92 F 2	DRAWN BY: sksl.lillie SCALE: 1:2500
DWG. No. 4	NORANDA EXPLORATION
	OFFICE: Vancouver