

UMEX Inc.

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ASSESSMENT REPORT ON ROCK GEOCHEMISTRY
MAPPING AND RESISTIVITY
ON LIZARD CLAIM GROUP
LIZARD, DINOSAUR, CRINOSAURUS MINERAL CLAIMS

RECORD NOS. 276, 277, 867

ALBERNI MINING DIVISION

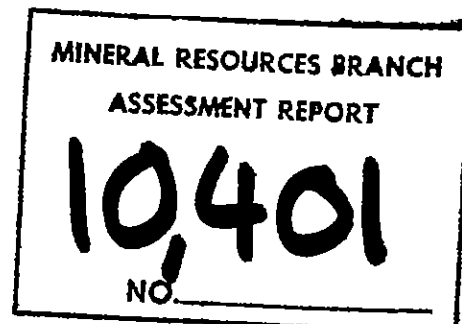
N.T.S.: 92F/2

by
Frederick Felder, M.Sc.

Owner and Operator: UMEX Inc., formerly Union Miniere
Explorations and Mining Corp. Ltd.

Work Dates: 22nd September, 9th - 11th November, 1981

Date: May 6, 1982



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T A B L E S

- 1 - 1981 ROCK GEOCHEMISTRY

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INTRODUCTION

The Lizard claim group is situated 15 km southeast of Port Alberni, south of China Creek (see Figure 1). The group is centered on Lizard Lake. Access to the property is excellent by well maintained private logging roads, owned by MacMillan Bloedel Ltd. The elevation of the claim ranges from 750 to 1300 m above sea level.

On the 22nd of September and the period from the 9th to 11th of November 1981, UMEX carried out a limited program of geological mapping, rock sampling and geophysical surveys (resistivity). The geological work was done by Mr. R. Turna, whereas the geophysical survey was conducted by Messrs. H. Holm and G. Pringle.

GEOLOGY AND MINERALIZATION

The geology of the area has been described by Stevenson¹, Muller and Carson² and Muller³. Part of the claims were mapped by Western Mines in 1976⁴. In 1978 and in 1979 limited soil sampling and mapping was done by UMEX⁵. Extensive soil sampling and mapping was done by UMEX in 1980. Additional mapping in the area of the main anomalies was done in 1981.

The eastern part of the claim group, east of Lizard Lake, is underlain by volcanics and sediments of the Sicker Group (Paleozoic). The volcanics consist of andesitic and cherty tuffs. These volcanics are dipping steeply and striking north to northeasterly. The volcanics are overlain in the eastern part of the claim group by a thick sequence of encrinuritic limestone (Buttle Lake limestone), with minor interbedded cherts and some argillites. The limestones strike northerly and dip moderately to the east.

Large dykes and plugs of at least two varieties of diorite intrude the Sicker Group volcanics and sediments. These diorites are most likely related to the Triassic Karmutsen volcanics, although a later tertiary age cannot be excluded.

The area west of Lizard Lake is underlain by massive fine grained basalts of the Karmutsen Formation (Triassic). These basalts are in fault contact with the older Sicker Group. The fault strikes north-south and is partly situated along Lizard Lake.

Throughout the property small erosional remnants of conglomerate and argillites, some with Cretaceous ammonites, are found. These sediments can be correlated to the Cretaceous Nanaimo Formation, they unconformably overlie all former rocks.

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- 1 Stevenson, R. (1944): Geology and Ore deposits of China Creek area, Vancouver Island, B.C. Minister of Mines, B.C. Annual Report.
 - 2 Muller, Carson (1968): Geology and Mineral deposits of the Alberni Map area, G.S.C. Paper 68-50.
 - 3 Muller, (1977): Geology of Vancouver Island - 65C Open File 463.
 - 4 Assessment Report 6153, Tasha Claim.
 - 5 Assessment Reports, 1978 and 1979.

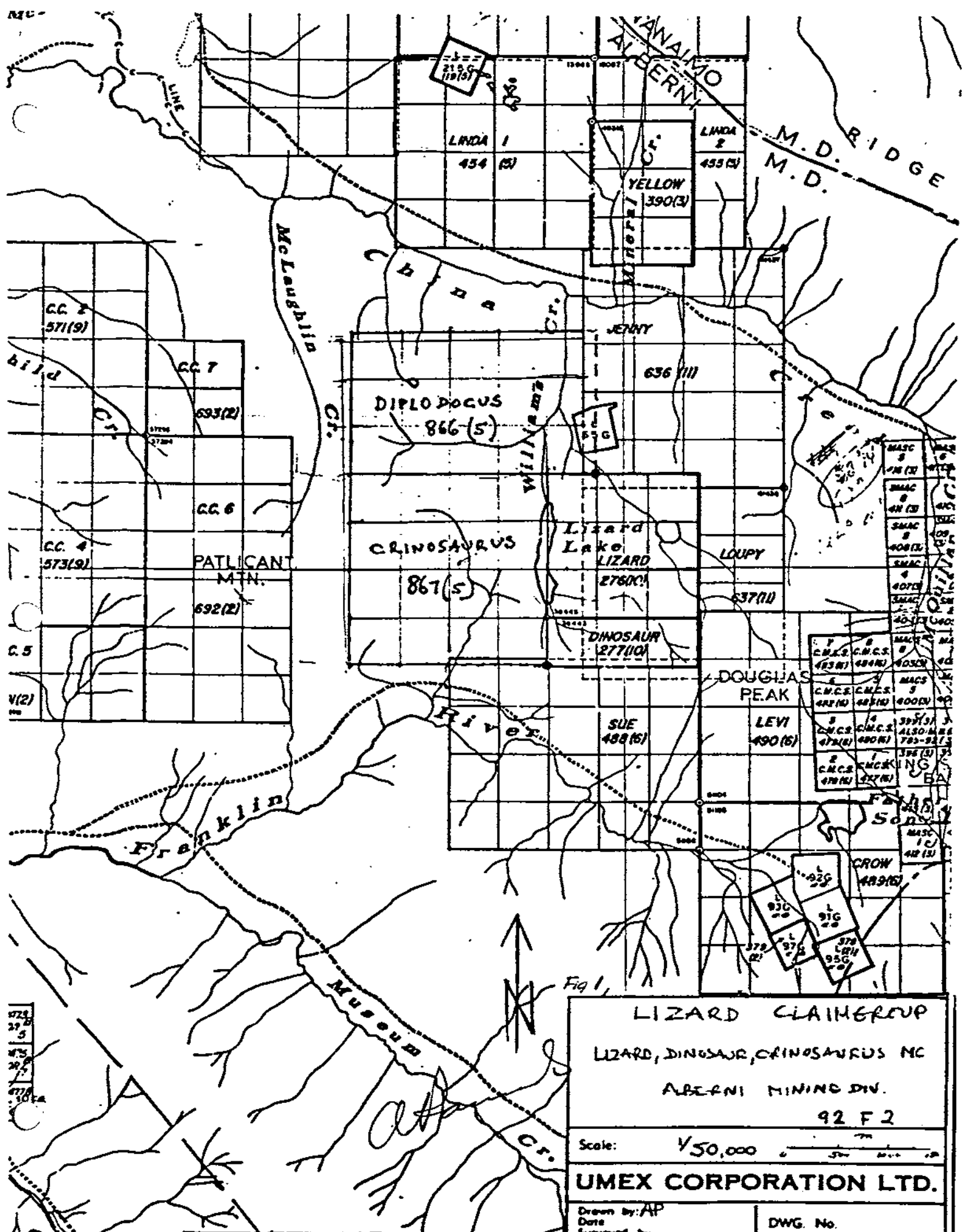


Fig 1
LIZARD CLAIM GROUP
 LIZARD, DINO SAUR, CRINOSAURUS MC
 ABERNI MINING DIV.
 92 F 2
 Scale: 1/50,000
UMEX CORPORATION LTD.
 Drawn by: AP
 Date
 Surveyed by
 DWG. No.

In the extreme northwest corner of the property, outcrops of coarse grained anodiorite are found. These outcrops form part of a much larger intrusion centered Mt. Patlicant, 1 km west of the claims. These granodiorites intrude the Nanaimo Group sediments and are of probable Tertiary age. Small irregular bodies of feldspar porphyry elsewhere on the property are possibly related to these tertiary intrusives.

Gold mineralization on the property was observed in outcrop in a number of places. These occurrences consist of narrow quartz veins with massive and disseminated pyrite and traces of chalcopyrite, as well as associated with disseminated pyrite in a cherty tuff.

ROCK GEOCHEMISTRY

In 1981 an additional 22 rock samples were collected over the area of anomalous soil geochemical results⁶. The results of these rocks are given in Table 1. Figure 2 contains the location of these samples.

The rock samples were sent to ACME laboratory for geochemical analyses.

The analytical procedures were as follows. All rock samples were pulverized to -100 mesh and the following procedures were applied:

Gold

A 10 gram sample which has been ignited overnight at 600°C is digested hot with diluted aqua regia, and the clear solution is extracted with Methyl Isobutyl Ketone. Au is determined by AA from the MIBK extractant with background correction.

Arsenic

A 0.50 gram sample is digested with hot dilute aqua regia and diluted to 10 ml. As is determined in the solution by Graphite Furnace Atomic Absorption.

Copper, Lead, Zinc, Silver, Arsenic, Antimony, Iron

The Cu, Pb and zinc concentrations were determined by the ICP method (Induced Couple Argon Plasma). A 0.50 gram of sample is digested with 3 ml of 3:1:3 nitric acid to hydrochloric acid to water at 90°C for 1 hour. The sample is diluted to 10 ml with water. The determinations are made on a Jerryl Ash Model #955 Plasma Atomcomt.

Silver

A 0.5 gram sample is digested in hot dilute aqua regia in a boiling water bath and diluted to 10 ml with demineralized water. Extracted metal are determined by Atomic Absorption.

LOCAL GEOLOGY

The area of interest immediately east of Lizard Lake was prospected and sampled in the fall of 1981.

⁶ Pauwels, A. (1980) Assessment Report on Geochemical Soil Sampling for Gold, Copper and Zinc on Lizard Group.

A P P E N D I X I

A P P E N D I X I

ITEMIZED COST STATEMENT

Personnel

Oct. 16/Nov. 9-10/81	R. Turna, mapping, prospecting	3 days @ \$134.88	\$ 404.64
Nov. 9-11/81	H. Holm, resistivity survey	3 days @ \$127.60	382.80
Nov. 9-11/81	G. Pringle, resistivity survey	3 days @ \$ 57.68	173.04

(Note: November 12 - employee days off with pay for early morning (Nov. 9) and night (Nov. 11) travel between Vancouver and Port Alberni)

Nov. 12/81 - travel pay equivalent	↖ R. Turna	134.88
Nov. 12/81 - travel pay equivalent	↖ H. Holm	127.60
Nov. 12/81 - travel pay equivalent	↖ G. Pringle	57.68

F. Felder, supervision and report 228.00

Nov. 13/81 and May 6/82 H. Holm, drafting and report preparation 255.20

Accommodation

Tyee Village Motel, Port Alberni, 2 rooms for 2 nights (\$80.00/night) 160.00
November 9-10/81

Food

9 man days @ \$14.00/day 126.00

Transportation

B.C. Ferry fees 46.00

Truck equivalent and gasoline ↖ 3 days @ \$45.00/day 135.00

Miscellaneous

Typing, office supplies 50.00

Survey supplies 20.00

Assay costs (rock samples) 257.75

SUB-TOTAL \$2,558.59

PAC WITHDRAWAL 541.41

TOTAL \$3,100.00

A P P E N D I X II

350 F - +1600
 +950
 +700
 +1900
 +900
 300E - +800
 +900
 +1450
 +1280
 +900
 +700
 +900
 +700
 +750
 +750
 200E - +670
 +750
 +670
 +800
 +900
 +650
 +610
 +210
 +115
 +310
 +20
 +320
 +370
 +165
 +40
 +100
 +700
 +500
 +250

Line 1010N -

90°
 +780
 +1320
 +1200
 +1200
 +680
 +1050
 +1400
 +1200
 +950
 +1100
 +1100
 +950
 +900
 +580
 +950
 +140
 +185
 +1200
 Old Railroad Grade

+1400
 +1800
 +1420
 +1800
 +600
 +1020
 +1400
 +2250
 +4400
 +500
 +900
 +1000
 +1600
 +1100
 +1380
 +700
 +900
 +55
 +80
 +1200
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 +820
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 +1100
 +1200
 +800
 +1550
 +3000
 +1600
 +1100
 +700
 +800
 +1500
 +650
 +780
 +1200
 +1000
 +2200
 +700
 +3500
 +3200
 Road
 Stream
 Line 200N -
 Line 110N -
 Line 00 -

Bearing 340°

MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
10,401
 NO.

Instrument - Geonics EM-16R (VLF) Unit
 Station - NPM (Hawaii) at 23.4 kHz

Contours
 A-m < 400
 400 ≤ A-m < 1300
 1300 ≤ A-m < 2900
 A-m ≥ 2900

Figure No. 3

LIZARD CLAIM GROUP
 APPARENT RESISTIVITY
 in OHM-METRES
Franklin

Scale: 0 20 40 60 80 100 metres
 1:2000

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DRAWN BY: H. Holm
 DATE: May 6, 1982
 SURVEYED BY: H.H., G.P.
 DWG. No.

To accompany Assessment Report on
 Rock Geochemistry Mapping and
 Resistivity on Lizard Claim Group,
 Lizard, Dinosaur, Crinosaurs Mineral
 Claims, Alberta Mining Division, by
 F. Felder, M.Sc.

