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FORMERLY:
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ASSESSMENT REPORT ON SOIL AND ROCK GEOCHEMISTRY
ON LIZARD CLAIM GROUP
LIZARD, DINOSAUR, CRINOSAURUS, DIPLODOCUS MINERAL CLAIMS

RECORD NOS. 276, 277, 867, 866

ALBERNI MINING DIVISION

N.T.S.: 92F/2

by

Ian Nadeau, B.Sc.

OWNER AND OPERATOR: UMEX Inc.

WORK DATES: September 23-25, 1982

DATE: October 8, 1982

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

10,890

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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 claims range from 750 to 1300 m above sea level.

Between September 23rd and September 25, 1982, UMEX carried out a limited program of geological mapping as well as rock and soil sampling over an area found anomalous in gold, located by previous work. A total of 44 rock samples and 63 soil samples were collected.

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 Wester 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 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. A 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.

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.

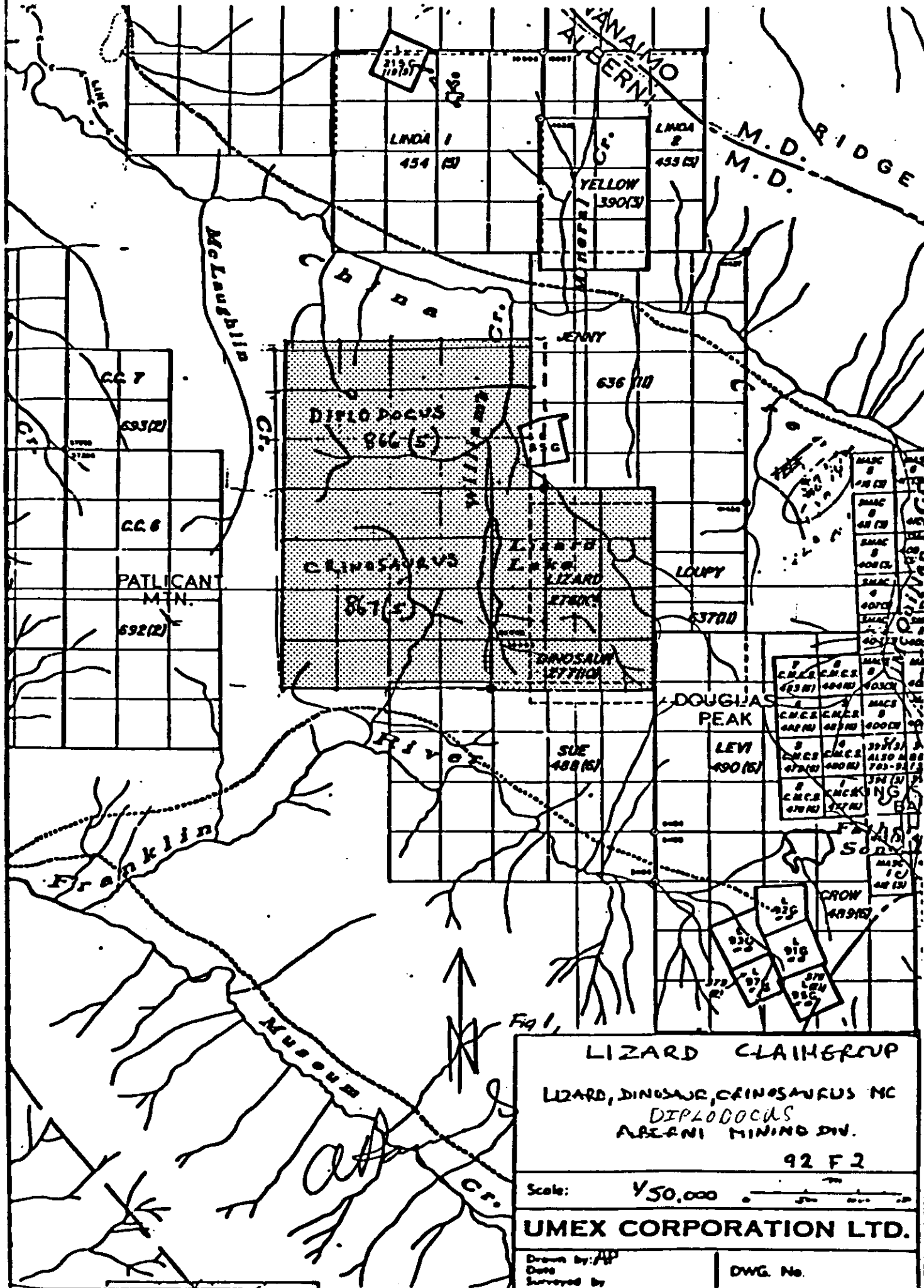


Fig 1,

LIZARD CLAIM GROUP

LIZARD, DINOBAUR, CRINOSAURUS MC
 DIPLODOCUS
 ALBERNI 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 granodiorite are found. These outcrops form part of a much larger intrusion centered on 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 AND SOIL GEOCHEMISTRY

The 1982 field work concentrated in the following areas:

- (a) extensive sampling, both soil and rock, over the large anomalous zone located along the baseline,
- (b) extension of the soil geochemistry grid to the north adding lines 24 and 26N in order to determine the extent of the highly anomalous zone located on line 22N. This area was also rock sampled, and
- (c) rock sampling along lines 10 and 11N to the west of Lizard Lake over an anomalous area.

All samples were sent to ACME Labs for geochemical analysis.

The analytical procedures for both soil and rock samples were as follows: all rock samples were pulverized to -100 mesh:

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.

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

The Cu, Pb, Zn, Ag, As, Sb and Fe 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.

LOCAL GEOLOGY

The geology, together with the rock geochemical results are given in Figure 2. The area of main interest is underlain by a tuffaceous chert unit belonging to the Sicker Formation that runs close to an parallel to the baseline. Within this rock unit we find significant gold values in rock associated with disseminated pyrite. Close to Lizard Lake around section 1,000N, the cherty tuff horizon has a north-northwest strike and dips gently to the northeast. Further to the south along the baseline the structure becomes more complex.

T A B L E 1

1982 Rock Geochemistry (Results are in ppm unless otherwise indicated)

| Sample # | Cu | Pb | Zn | Ag | Au | As | Fe % |
|-------------|-----|----|-----|-----|------|------|------|
| F-50 | 11 | 4 | 19 | 1.0 | .070 | 112 | 1.77 |
| F-51 | 53 | 4 | 55 | .2 | .005 | 20 | 3.24 |
| F-52 | 57 | 15 | 174 | .1 | .045 | 5084 | 3.27 |
| F-53 | 13 | 14 | 534 | .8 | .135 | 7510 | 2.37 |
| F-55 | 183 | 17 | 421 | .1 | .015 | 89 | 4.55 |
| F-56 | 150 | 3 | 220 | .2 | .020 | 271 | 4.45 |
| F-57 | 97 | 28 | 640 | 1.0 | .020 | 1346 | 3.14 |
| F-58 | 64 | 5 | 48 | .1 | .005 | 107 | 5.53 |
| F-59 | 80 | 3 | 55 | .1 | .005 | 12 | 5.55 |
| F-60 | 202 | 7 | 61 | .3 | .005 | 59 | 6.10 |
| F-61 | 36 | 7 | 47 | .1 | .105 | 58 | 4.83 |
| F-62 | 73 | 3 | 39 | .1 | .005 | 16 | 3.83 |
| F-63 | 96 | 4 | 28 | .2 | .005 | 18 | 3.65 |
| F-64 | 31 | 5 | 30 | .1 | .020 | 3 | 7.30 |
| F-65 | 30 | 3 | 26 | .1 | .005 | 30 | 5.67 |
| F-66 | 31 | 2 | 19 | .1 | .010 | 26 | 5.11 |
| F-67 | 20 | 6 | 95 | .1 | .005 | 4 | 4.99 |
| F-68 | 66 | 3 | 17 | .1 | .005 | 11 | 1.61 |
| F-69 | 134 | 3 | 31 | .1 | .010 | 2 | 3.77 |
| F-70 | 520 | 7 | 31 | .9 | .155 | 4 | 5.61 |
| F-71 | 48 | 5 | 66 | .1 | .005 | 25 | 4.89 |
| HL-1 | 170 | 4 | 70 | .1 | .005 | 31 | 6.78 |
| HL-2 | 16 | 5 | 23 | .2 | .010 | 20 | 2.30 |
| HL-3 | 68 | 4 | 219 | .1 | .005 | 11 | 5.45 |
| HL-4 | 37 | 2 | 17 | .1 | .005 | 9 | 1.66 |
| LIZI-1 | 8 | 6 | 178 | .3 | .035 | 1577 | 1.88 |
| LIZI-2 | 11 | 12 | 61 | .7 | .070 | 3399 | 2.36 |
| LIZI-3 | 11 | 4 | 26 | .1 | .110 | 17 | 4.12 |
| LIZI-4 | 87 | 4 | 23 | .1 | .025 | 55 | 8.81 |
| LIZI-5 | 9 | 4 | 19 | .1 | .005 | 3 | 1.21 |
| LIZI-6 | 113 | 6 | 52 | .1 | .005 | 18 | 4.48 |
| LIZI-7 | 105 | 3 | 35 | .1 | .005 | 8 | 3.91 |
| LIZI-8 | 53 | 5 | 37 | .1 | .015 | 7 | 3.02 |
| LIZI-9 | 150 | 3 | 46 | .1 | .005 | 2 | 4.24 |
| LIZI-10 | 33 | 4 | 32 | .1 | .005 | 49 | 4.18 |
| LIZI-11 | 22 | 5 | 44 | .1 | .090 | 20 | 4.68 |
| LIZI-12 | 3 | 3 | 14 | .1 | .100 | 66 | 1.81 |
| LIZI-13 | 107 | 14 | 54 | .1 | .005 | 420 | 5.13 |
| LIZI-14 | 316 | 3 | 24 | .1 | .025 | 12 | 3.97 |
| 800N + 140E | 103 | 5 | 35 | .1 | .015 | 5 | 4.62 |
| 11N + 2.58E | 6 | 4 | 36 | .2 | .005 | 6 | 1.09 |

Above the tuffaceous cherty unit there occurs a fairly massive andesite. Within the andesite there occur narrow gold bearing quartz veins.

Extension of the soil geochemical survey to the north shows the area to be underlain by predominantly basic volcanic flows and tuffs except for a narrow cherty zone which follows along Williams Creek. This cherty band is coincident with anomalous gold geochemistry (Figure 3). Rock geochemistry confirms that gold mineralization is associated with this continuous cherty band (Figure 2).

CONCLUSION

The Lizard property contains indications of both vein and stratabound gold mineralization. The geochemical expression for gold suggests that the mineralization is quite continuous. Rock sampling has indicated that the rocks do contain significant concentrations of gold.

Detailed rock and soil sampling have clearly defined the zone of gold mineralization. Since there is a positive correlation of gold to total sulfide content, an IP or resistivity survey is recommended in order to define potential drilling targets.

Respectfully submitted,



Ian Nadeau, B.Sc.
Project Geologist.

A P P E N D I X I

STATEMENT OF EXPENDITURES

Lizard Claim Group

Personnel

| | | | |
|----------------------------------|---|-----------------------|-----------|
| September 23rd to September 25th | F. Felder | 3 days @ \$227.68/day | \$ 638.04 |
| September 23rd to September 25th | I. Nadeau | 3 days @ \$135.04/day | 405.12 |
| September 23rd to September 25th | H. Holm | 3 days @ \$138.00/day | 414.00 |
| September 22nd to September 26th | Travel time equivalent of 1 day Vancouver-Port Alberni return H. Holm, F. Felder, I. Nadeau | | 500.72 |

Transportation

| | | |
|-------------------------------|----------------------|--------|
| B.C. Ferry Fees | | 46.00 |
| Truck equivalent and gasoline | 4 days @ \$50.00/day | 200.00 |

Accommodation

| | | |
|----------------------------------|----------------------------------|--------|
| Tyee Village Motel, Port Alberni | 1 room, 3 nights @ \$50.00/night | 150.00 |
|----------------------------------|----------------------------------|--------|

Food

| | |
|--------------------------|--------|
| 9 man days @ \$15.00/day | 135.00 |
|--------------------------|--------|

Report Writing and Drafting

| | | | |
|--------------|-----------|----------|--------|
| October 8th | I. Nadeau | report | 135.04 |
| October 10th | H. Holm | drafting | 138.00 |

Analysis

| | |
|--|----------|
| Acme Labs Ltd., 852 E. Hastings Street, Vancouver, B.C. 44 rock and 63 soil sample analyses for Au, As and Ag | 1,137.75 |
|--|----------|

Miscellaneous

| | |
|-------------------------|--------------|
| Typing, office supplies | 50.00 |
| Survey supplies | <u>35.00</u> |

Total \$3,984.76

Withdrawal from PAC 914.24

TOTAL APPLIED \$4,900.00


A P P E N D I X II

A P P E N D I X II

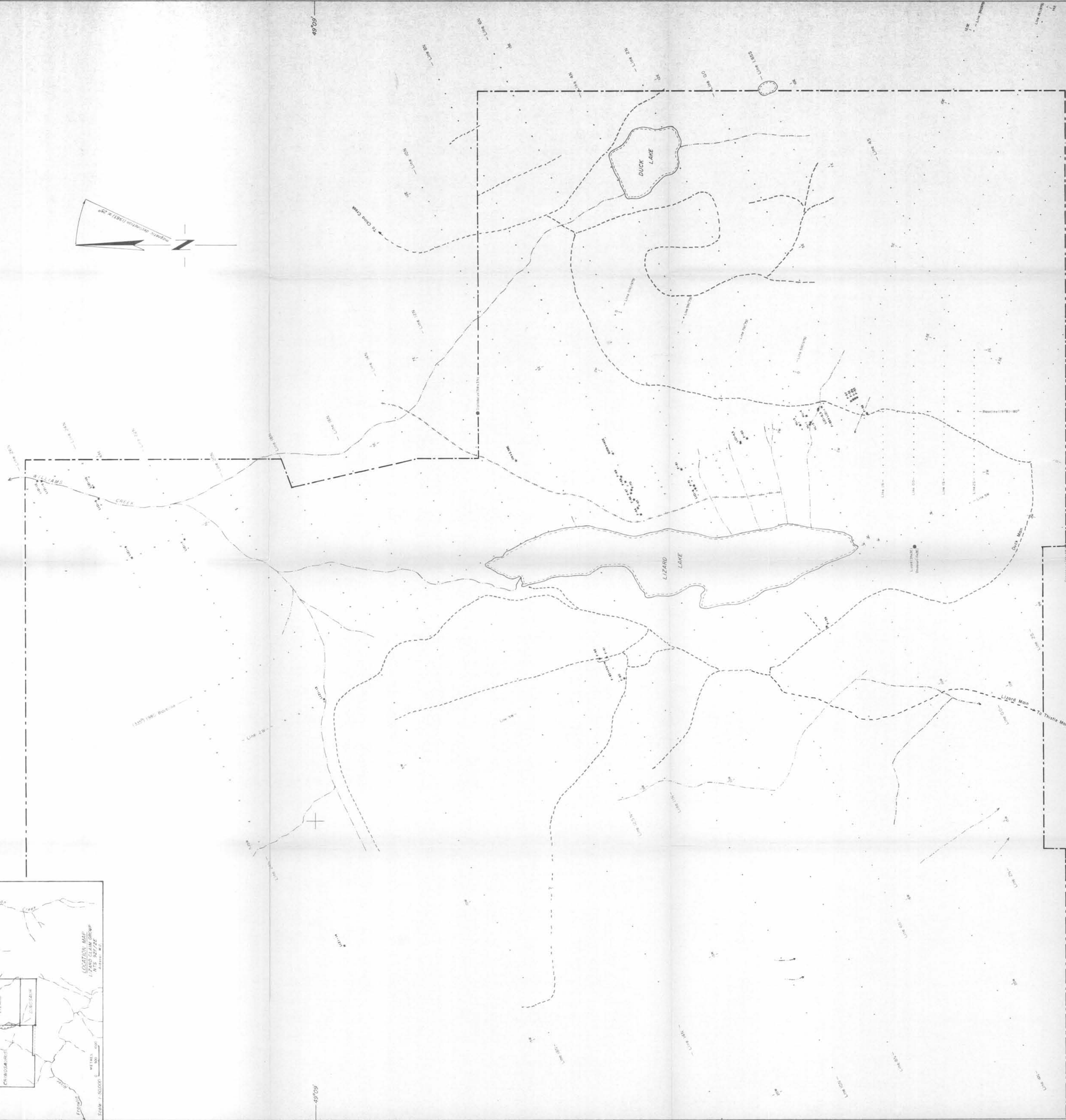
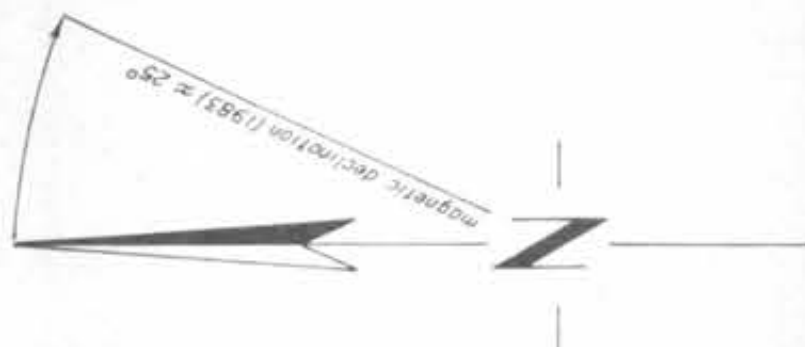
Author's Qualifications

I, Ian Nadeau of 1916 East 3rd Avenue, Vancouver, B.C., hereby certify that:

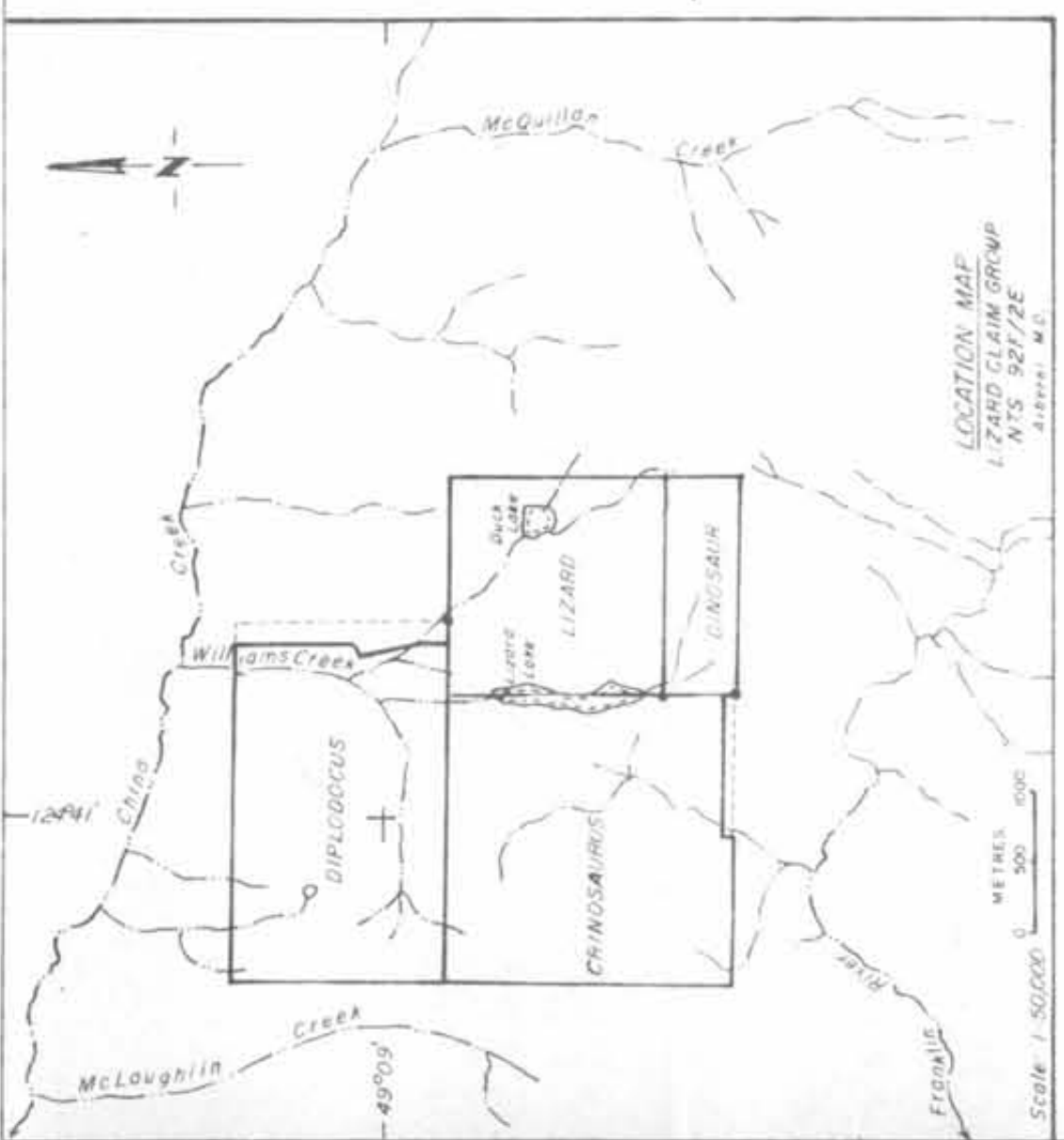
- 1) I am a graduate of McGill University, Montreal, Canada, B.Sc. in Geology in 1976, and
- 2) I have practiced my profession as a geologist in 1976 for Seru Nucleaire, Montreal; in 1979 for Falconbridge Nickel, Quebec City, and for UMEX Inc. since March 1980.



IAN NADEAU



- LEGEND**
- legal corner post
 - stream
 - road
 - lake
 - x swamp
 - - - old railway bed
 - pre 1982 soil sample location
 - 1982 soil sample location
 - - - UMEC property boundary
 - rock sample location with nomenclature
— see Table 1 for geochemical results.



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

10,890

To accompany Assessment Report on Soil and
Rock Geochemistry on Lizard Claim Group,
Alberta Mining Division, by I. Nadeau.

Figure No. 2

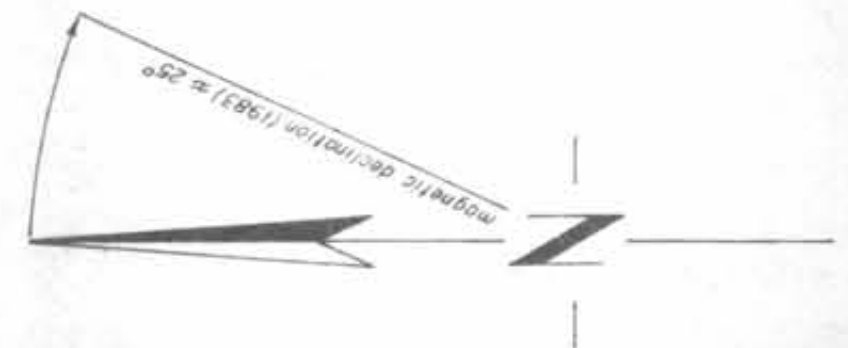
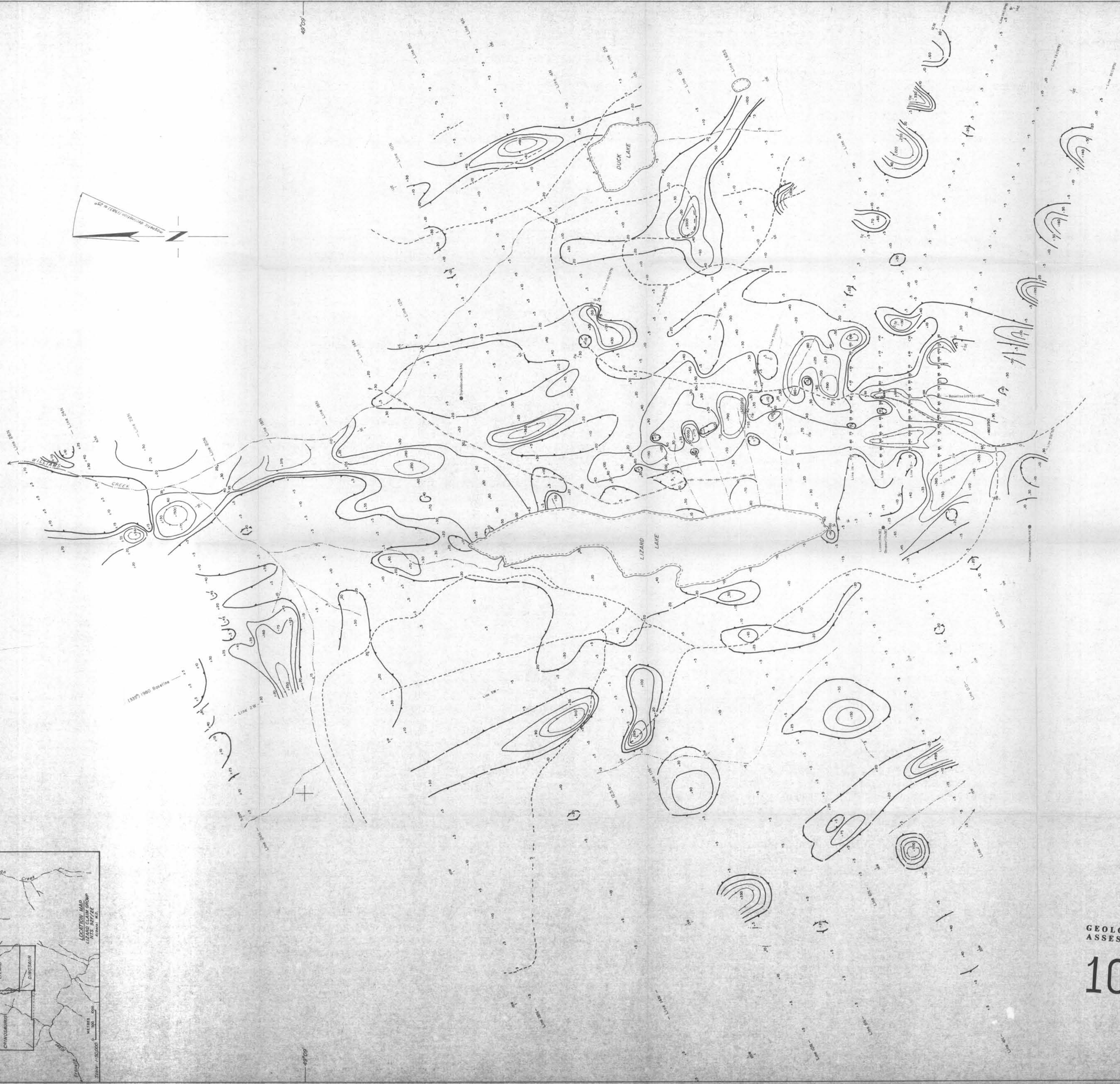
LIZARD CLAIM GROUP

**ROCK SAMPLE
LOCATIONS**

Alberta M.D. NTS 927/2E
Scale: 0 50 100 200 metres

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DRAWN BY: H. Holm
DATE: January, 1985
SURVEYED BY: A.P.G.P.F.F., I.N.H., R.T.J.K., J.T.B.M. DWG. No.



LEGEND

- legal corner post
- stream
- - - road
- lake
- ⊗ swamp
- - - old railway bed
- pre 1962 soil sample location
- 1962 soil sample location
- Gold geochemical values in parts per billion.

NOTE
Contours are of 20, 40, 100 and 200 ppb.

To accompany Assessment Report on Soil and Rock Geochemistry on Lizard Claim Group, Aliburni Mining Division, by I. Nadeau.

Figure No. 3

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

10,890

LIZARD CLAIM GROUP
SOIL GEOCHEMISTRY
GOLD in ppb

Aliburni M.D. NTS 92F/2E
Scale: 0 50 100 200 metres

UMEX CORPORATION LTD.

DRAWN BY: H. Hohn
DATE: January, 1985
SURVEYED BY: A.G.P., F.M.J., H.A.J., J.T., E.M.
DWG. No.

