

A Report on  
Geochemical Sampling

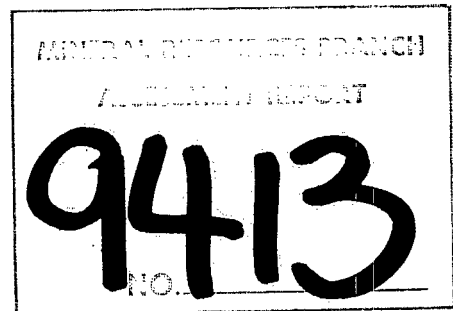
on the

VENNER AND VENNER 2

Mineral Claims

\*\*\*

Osoyoos, M.D.



D. Johnson  
LACANA MINING CORPORATION  
August, 1981

NTS 82 E6W  
Lat 49° 17'N  
Long 119° 18'W

## TABLE OF CONTENTS

	Page
Summary	1
Conclusions and Recommendations	2
Introduction	3
Geology	4
Geochemistry	5
Rock Sampling	8

### MAPS

Location Map	Fig 1	After Page 3
Claim Map	Fig 2	After Page 3
Rock Sample Sites	Fig 3	After Page 8
Geochemistry Cu, Mo	Fig 4	In Pocket
Geochemistry Au, Ag	Fig 5	In Pocket
Geochemistry As, Sb	Fig 6	In Pocket

### APPENDICES

Statement of Qualifications, D. Johnson	Appendix I
Statement of Costs	Appendix II
Rock Assay Data	Appendix III

SUMMARY

The Venner claim was staked by LACANA personnel in May, 1980, to cover a small, volcanic hosted gold occurrence explored by various owners in the past decade. This showing and a large surrounding area, were tested geochemically by Lacana in early 1981.

Following a regional stream sampling programme, the Venner '2' claim was added to cover several gold bearing stream drainages. Work on the Venner 2 claim has not been extensive.

## CONCLUSIONS AND RECOMMENDATIONS

Our re-sampling of the known gold occurrence on this property indicated values in this zone in excess of 1 oz/ton. A programme of trenching and sampling is planned to attempt to establish some continuity.

Geochemical sampling on the main Venner grid, as well as on a reconnaissance scale on the Venner 2 claim, has not outlined any further target areas.

INTRODUCTION

Location and Access

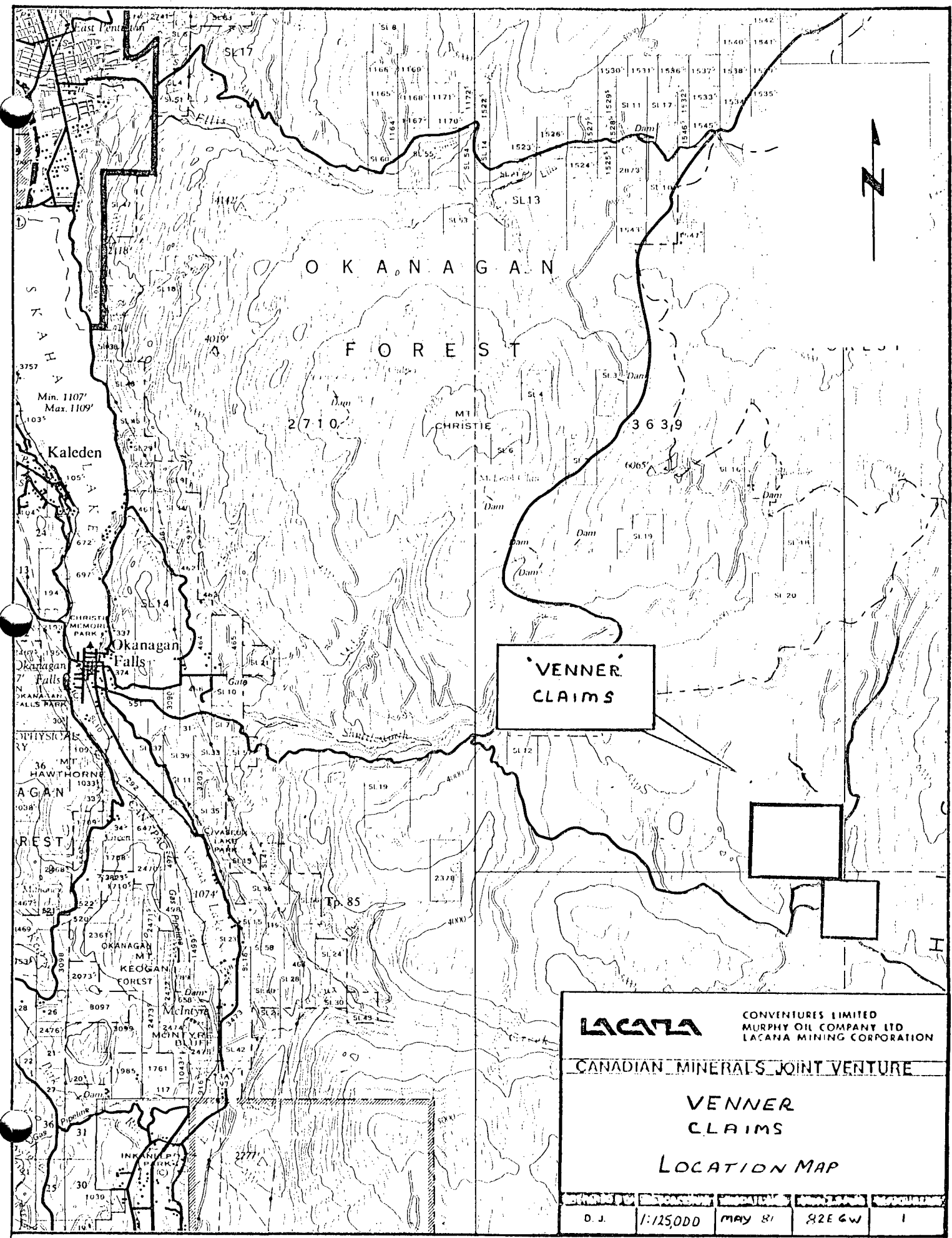
As shown on Fig. 1, the Venner property is located 21 km, E.S.E. of Okanagan Falls, B.C. Terrain is gently rolling with elevations ranging from 1490 to 1630 metres.

Excellent road access is provided by Weyerhaeuser's 'R 200 - logging road, from the sawmill at Okanagan Falls.

Claim Status

Dimensions, etc. of the claims are shown in the table below and on fig. 2. Both claims are in the Osoyoos, M.D.

Name	Record Number	Number Of Units	Record Date
Venner	1078	9	May 21, 1980
Venner 2	1273	20	October 16, 1980



VENNER  
CLAIMS

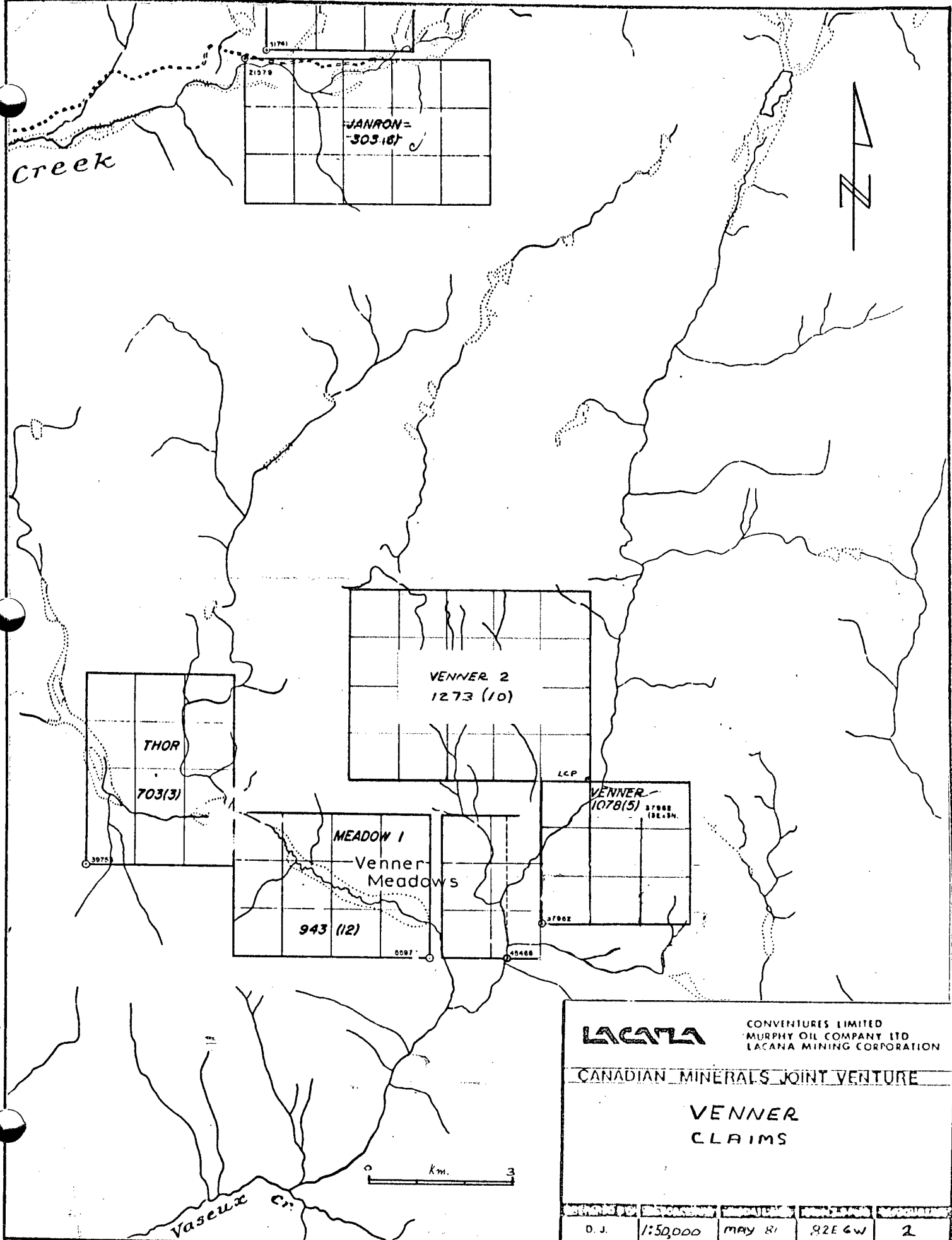
**LACANA** CONVENTURES LIMITED  
MURPHY OIL COMPANY LTD  
LACANA MINING CORPORATION

CANADIAN MINERALS JOINT VENTURE

VENNER  
CLAIMS

LOCATION MAP

DATE	BY	REVISION	BY	REVISION
0. J.	1/1250DD	MAY 81	82E GW	1



**LACANA** CONVENTURES LIMITED  
 MURPHY OIL COMPANY LTD  
 LACANA MINING CORPORATION

CANADIAN MINERALS JOINT VENTURE

**VENNER CLAIMS**

DATE	BY	REVISION	DATE	BY	REVISION
D. J.		1:50,000	MAY 81		82E 6W 2

GEOLOGY:

Regional geology is shown in G.S.C. map 15-1961, (Kettle River west half.) The "Venner" gold showing is contained within a 3 km by 11 km outlier of mixed Eocene volcanic and sedimentary rocks. In gross terms, this environment is similar to the Dusty Mac mine, some 19 km to the north west.

Basement rocks are Monashee gneisses and Cretaceous "Valhalla" granite and granodiorite.

Attempts at detailed geological mapping have been hampered by extensive overburden cover.



## GEOCHEMISTRY:

### Venner Claim

Following the cutting of a 1.0 km north-south baseline, compass lines were run at 100 m intervals, with 50 m spacing in the southern part of the grid. These lines were sampled at 50 m spacing, yielding 153 samples.

Samples were collected with a light mattock, from the 'B' horizon, at approximately 10 cm depth, and placed in standard Kraft paper envelopes.

Acme Analytical Laboratories of Vancouver used standard geochemical techniques to analyse the samples for Au, Ag, Cu, Mo, As and Sb.

Values are plotted on figures 4 (Cu, Mo), 5 (Au, Ag) and 6 (As, Sb).

### Discussion of Results

#### Gold

Of the 153 samples, 40 were higher than the .010 ppm Au threshold, and 10 were weakly anomalous at more than .020 ppm. The only definite strong anomaly was .075 ppm at 2+50N, 1+00E. This sample site was essentially right on top of known auriferous outcrops.

Our gold-in-soil geochemical programme did not delineate any new target areas.

#### Silver

Only nine of the 153 samples returned silver values over .1 ppm, and the highest of these, .4 ppm, cannot be considered anomalous.

#### Copper

Copper values were very low, ranging from 2 to 16 ppm. This is consistent with the paucity of copper minerals observed in the few outcrops on the property.

### Molybdenum

Sixteen of the 153 samples contained 2 ppm Mo; again, very low, and not unexpected.

### Arsenic

It had been hoped that arsenic might prove to be a useful pathfinder for gold mineralization in this environment. However, the 15 samples running over 6 ppm As, were in 2 zones a few hundred metres north of the known gold occurrence. Neither was there any apparent coincidence with gold-in-soil values.

### Antimony

Examination of fig. 6 will show a strong consistency of antimony content over the entire area sampled; none of the samples exceeded 1 ppm.

### Venner '2' Claim

The Venner '2' claim was originally acquired to cover stream drainages which our regional sampling work had indicated to be anomalous in gold. Subsequent re-sampling of the anomalous sites, and limited prospecting, were disappointing. In light of this lack of encouragement only a brief programme of soil sampling, of slightly better than a reconnaissance nature, was undertaken.

Several short logging trails in the southeast portion of the claim were used as access roads, with samples taken at 100 m intervals along them. In addition, the northern, and part of the eastern claim lines were sampled at 100 m spacing. This programme yielded 68 samples.

As with the work on the Venner Claim, samples were taken from the 'B' horizon, at approximately 10 cm depth, and placed in standard paper soil sample envelopes.

Analyses were again performed by Acme Analytical Laboratories, for Au, Ag, Cu, Mo, As and Sb. Results are plotted on figures 4 to 6.

None of the 68 samples collected from the 'Venner 2' claim was anomalous in any of the 6 elements.

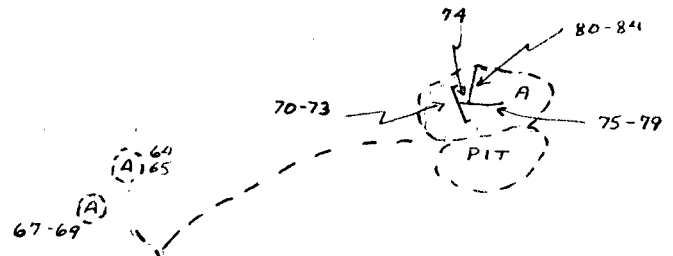
## ROCK SAMPLING

Several rock samples were collected from outcrops in the area from 1+50 N to 3+00 N, 3+00 E to 4+00 E. These were generally 1 metre chip samples, using a 10 lb sledge. Sample sites are shown in figure 3, and values on Acme Analytical sheet, Appendix III. This sampling did confirm the presence of varying amounts of gold in the silicified andesite, while the overlying tuff unit is apparently barren.



CLAIM BOUNDARY 00E

66  
A  
63  
A<sup>x</sup>



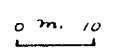
2150N

2100N

1150N

1100N

SAMPLE SITES J-81 SERIES x 63  
 TUFF T  
 ANDESITE A



<b>LACANA</b>		CONVENTURES LIMITED MURPHY OIL COMPANY LTD LACANA MINING CORPORATION		
CANADIAN MINERALS JOINT VENTURE				
ROCK				
SAMPLE SITES				
DATE	BY	SCALE	PROJECT	SHEET
D. J.		MAY 81	82E6W	3

APPENDIX I

I, Darrel Johnson, of the City of Port Coquitlam, B.C. do hereby state that:

1. I graduated from the University of British Columbia in 1970, with a B.Sc. degree in geology;
2. I have been working as an exploration geologist with various exploration companies in British Columbia since 1970, and have considerable practical experience gained during several years of pre-graduation employment in the industry;
3. I am presently employed by Lacana Mining corporation as a senior exploration geologist;
4. All work described in this report was conducted under my direct personal supervision.

*Darrel Johnson*

APPENDIX II

VENNER PROPERTY

Statement of Costs

1. Wages

L. Killough	May 6 to 15, 1981 10 days @ \$60	\$600.00	
D. Marsden	May 6 to 15, 1981 10 days @ \$50	\$500.00	
D. Johnson	May 6, 7, 13, 14, 15 5 days @ \$150	\$750.00	\$1,850.00

2. Support

Motel		\$517.12	
Meals	25 man-days @ \$15	\$375.00	
Truck	10 days @ \$25	\$250.00	
			\$1,142.12

3. Analytical Costs

Assays	33 @ \$6.50	\$214.50	
Soil Geochemistry	221 @ \$6	\$1,326.00	
			\$1,540.00

4. Miscellaneous

Ship Samples, Telephone etc.		\$	23.40
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TOTAL :

\$4,556.02



To: **Lacana Mining Corp.**  
 312 - 409 Granville St.,  
 Vancouver, B.C.

852 E. Hastings St., Vancouver, B. C. V6A 1R6

Telephone: 253 - 3158

File No. 81-0380 B

Type of Samples Rocks

Disposition \_\_\_\_\_

# ASSAY CERTIFICATE

No.	Sample	Au oz/ton						No.
1	J - 81 - 50	.001						1
2	51	.001						2
3	52	.001						3
4	53	.001						4
5	54	.001						5
6	55	.001						6
7	56	.001						7
8	57	.001						8
9	58	.001						9
10	59	.001						10
11	60	.001						11
12	61	.001						12
13	62	.001						13
14	63	.005						14
15	64	.003						15
16	65	.013						16
17	66	.004						17
18	67	.002						18
19	68	.003						19
20	J - 81 - 69	.045						20

All reports are the confidential property of clients.

DATE SAMPLES RECEIVED May 19, 1981

DATE REPORTS MAILED May 22, 1981

ASSAYER *Deane Toy*

**DEAN TOYE, B.Sc.**  
 CHIEF CHEMIST  
 CERTIFIED B.C. ASSAYER



To: Lacana Mining Corp.

File No. 81-0380 B

Type of Samples Rocks

Disposition \_\_\_\_\_

# ASSAY CERTIFICATE

No.	Sample	Au oz/ton	Ag oz/ton	W%				No.
1	J - 81 - 70	.012 ✓						1
2	71	.001						2
3	72	.001						3
4	73	.003						4
5	74	.029	1.15	Trace				5
6	75	.011						6
7	76	.057						7
8	77	1.330	2.21					8
9	78	.434	.52					9
10	79	.019 ✓						10
11	80	1.460	1.04					11
12	81	.013 ✓						12
13	82	.005						13
14	83	.016 ✓						14
15	J - 81 - 84	.001						15
16								16
17	K - 81 - 06	.001						17
18								18
19								19
20								20

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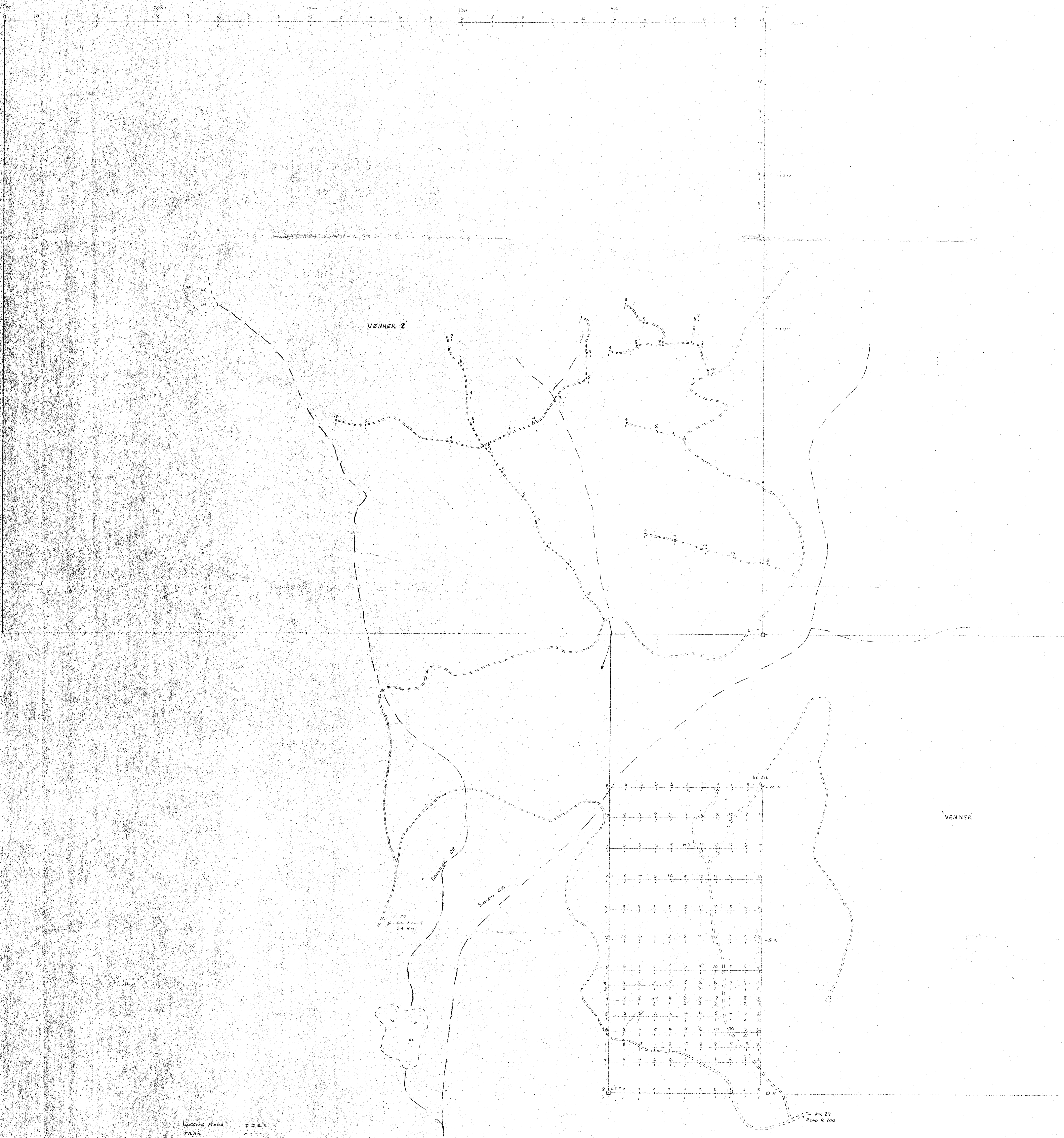
DATE SAMPLES RECEIVED May 19, 1981

DATE REPORTS MAILED May 22, 1981

ASSAYER

*[Signature]*

DEAN TOYE, B.Sc.  
CHIEF CHEMIST  
CERTIFIED B.C. ASSAYER



Logging Area  
 ROAD  
 CREEK

70  
 1/2  
 OF  
 24 Km

GEOCHEMISTRY  
 CU: ppm  
 MO: ppm

**9413**

**LACANIA** CONVENTURES LIMITED  
 WORTHY OIL COMPANY LTD  
 LACANA MINING CORPORATION  
 CANADIAN MINERALS JOINT VENTURE

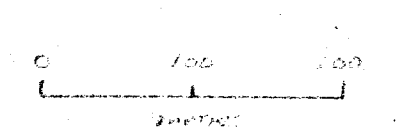
**VENNER**  
 CLAIMS  
 OSOYOOS M.D.

DU 1:5000 May 81 22E 6W 4



Legend  
 Contour 1000  
 Creek  
 Road

GEOCHEMISTRY  
 Au ppm  
 Ag ppm



9413

**LAKEVIEW**  
 CONVENTURE LIMITED  
 WHEATY OIL COMPANY LTD  
 LACENA GROUP CORPORATION  
 CANADIAN MINERALS JOINT VENTURE

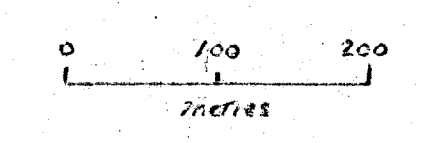
**VENNER**  
 CLAIMS  
 OSOYOOS M.D.

DATE	SCALE	BY	CHECKED	APPROVED
DJ	1:50,000	MAY 81	RTF/SLV	S



Logging Hole    □    2000  
 Park            - - - -  
 Road            - - - -

GEOCHEMISTRY    Sb Ppb  
                               As Ppb



9413

CANADIAN MINERALS JOINT VENTURE					
<b>VENNER</b> CLAIMS OSOYOOS M.D.					
DATE	SCALE	PROJECT	BY	CHECKED	APP. NO.
01	1:50,000	305	31	326 SW	6