

84-966-13113

Report On
GEOLOGICAL MAPPING, V.L.F. EM SURVEY
AND GEOCHEMICAL SURVEY
on the
VENNER 7, 8, 9 and 10 Mineral Claims
(VENNER 8 GROUP)

Osoyoos Mining Division
British Columbia

L. Eccles
L. Eccles
Lacana Mining Corporation
October 24, 1984

N.T.S. 82-E/6W .
Lat. 49°17'N
Long. 119° 18'W
OWNERS/CO.
**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

13,113

TABLE OF CONTENTS

	<u>Page</u>
SUMMARY	1
CONCLUSIONS AND RECOMMENDATIONS	2
INTRODUCTION	3
Location and Access	3
Claim Status	3
GEOLOGY	4
Regional Geology	4
Property Geology	4
GEOPHYSICS	6
V.L.F. EM Survey	6
GEOCHEMICAL SURVEY	6
QUALIFICATIONS	8
STATEMENT OF EXPENSES	9
GEOCHEMICAL RESULTS	Appendix A

LIST OF FIGURES

Figure 1: Location Map	Foll. P.2
Figure 2: Claim Map	Foll. P.3
Figure 3: Geology	In Pocket
Figure 4: V.L.F. EM Survey - Fraser Filtered Data	In Pocket
Figure 5: V.L.F. EM Survey - Raw Data	In Pocket
Figure 6: Geochemical Data	In Pocket

SUMMARY

The VENNER 7, 8, 9 and 10 claims are located adjacent to the original VENNER claim group, also owned by Lacana Mining Corporation, which cover a small, volcanic-hosted gold occurrence. The claims discussed in this report, staked in 1983 after encouraging results were obtained on the original claims, are underlain by the same geologic rock units and it is anticipated that similar volcanic-hosted gold occurrences exist on this ground.

As a basis for future exploration, a preliminary program utilizing a grid with 250 metre spacings between lines and covering the VENNER 8 and 9 claims, was undertaken in the fall of 1984 to determine broad geologic trends and if ground V.L.F. EM and soil geochemistry surveys were adequate to efficiently explore the property.

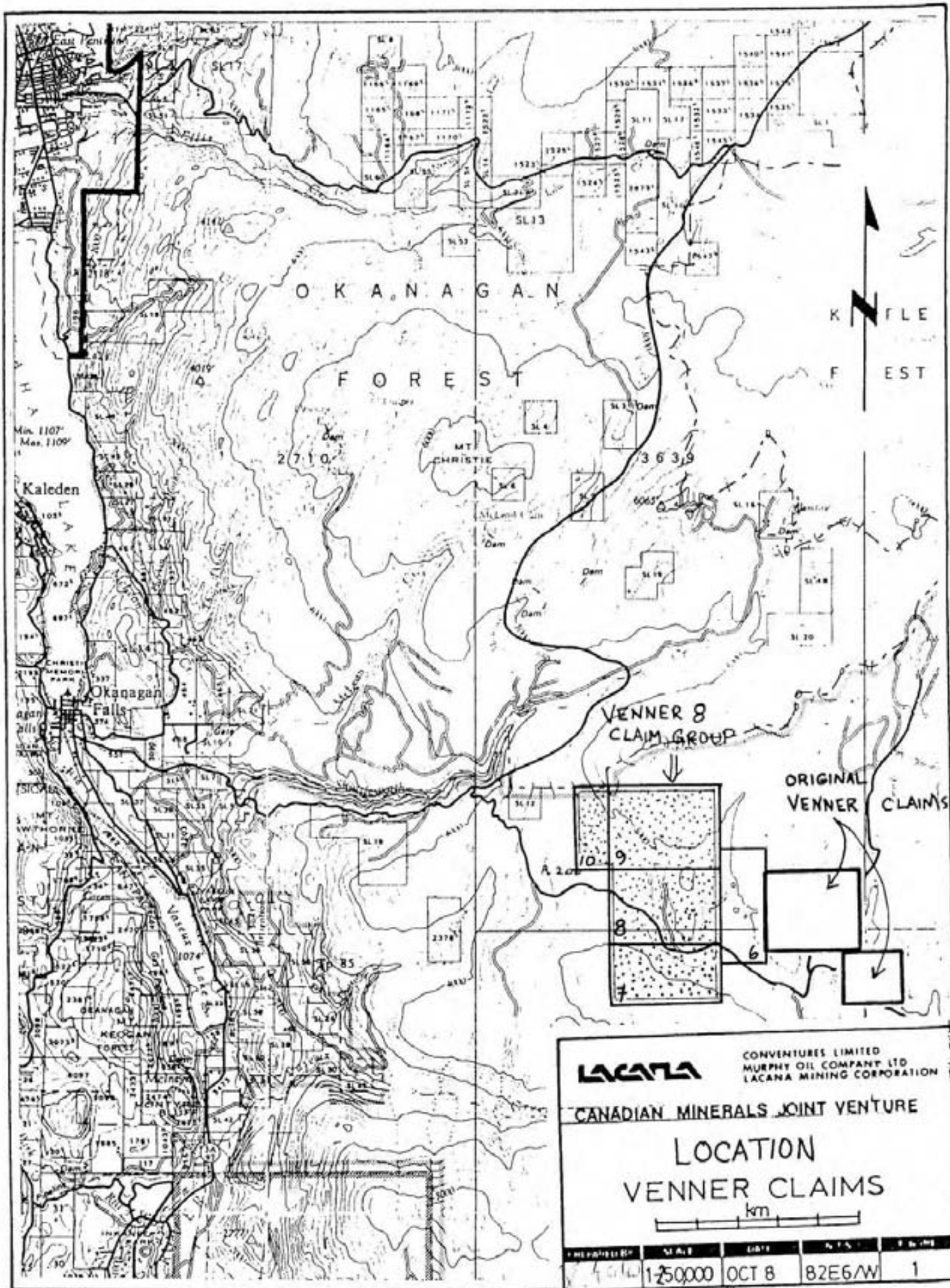
CONCLUSIONS AND RECOMMENDATIONS

The 1984 work programme described in this report defined broad geologic trends enabling future exploration efforts to be directed towards a smaller area between Monashee Gneiss to the north and granitic plutonic rocks to the south.

The geochemical survey outlined no target areas for future exploration however results obtained are probably unreliable and in most cases are not representative of gold and silver content of bedrock due to thick deposits of alluvial sands and gravels. A capping effect of a rhyolitic tuff unit masks the geochemical response of the underlying andesite unit. It is the andesite unit which is known to host the gold mineralization on the original VENNEN claims and no exposures of this rock type were seen during the 1984 field program.

The Crone Radem V.L.F. survey showed broad east/west trends possibly reflecting the general strike of the various volcanic horizons. Very little outcrop exists in the area explored so it is difficult to tell the extent and overall strike of the units. Generally, there was no strong dip angle response during the V.L.F. EM survey.

An overburden drilling program may be a useful method of determining gold and silver geochemistry of the underlying rocks if it is felt the property warrants it in the future.



LACATA CONVENTURES LIMITED
MURPHY OIL COMPANY LTD
LACANA MINING CORPORATION

CANADIAN MINERALS JOINT VENTURE

LOCATION
VENNER CLAIMS

km

PROJECT NO.	SCALE	DATE	S.P.S.	FILE NO.
4-10	1:250000	OCT 8	82E6/W	1

INTRODUCTION

Location and Access

The VENNER 7, 8, 9 and 10 claims are tied on to the west end of another group of VENNER claims also owned by Lacana Mining Corporation and all are located approximately 21 km by road, east southeast of Okanagan Falls, British Columbia.

An all-weather gravel logging road (R-200) maintained by Weyerhaeuser Lumber Co. provides access to the property from the sawmill at Okanagan Falls. Several spurs off the main haul road provide access to the internal portions of the claims.

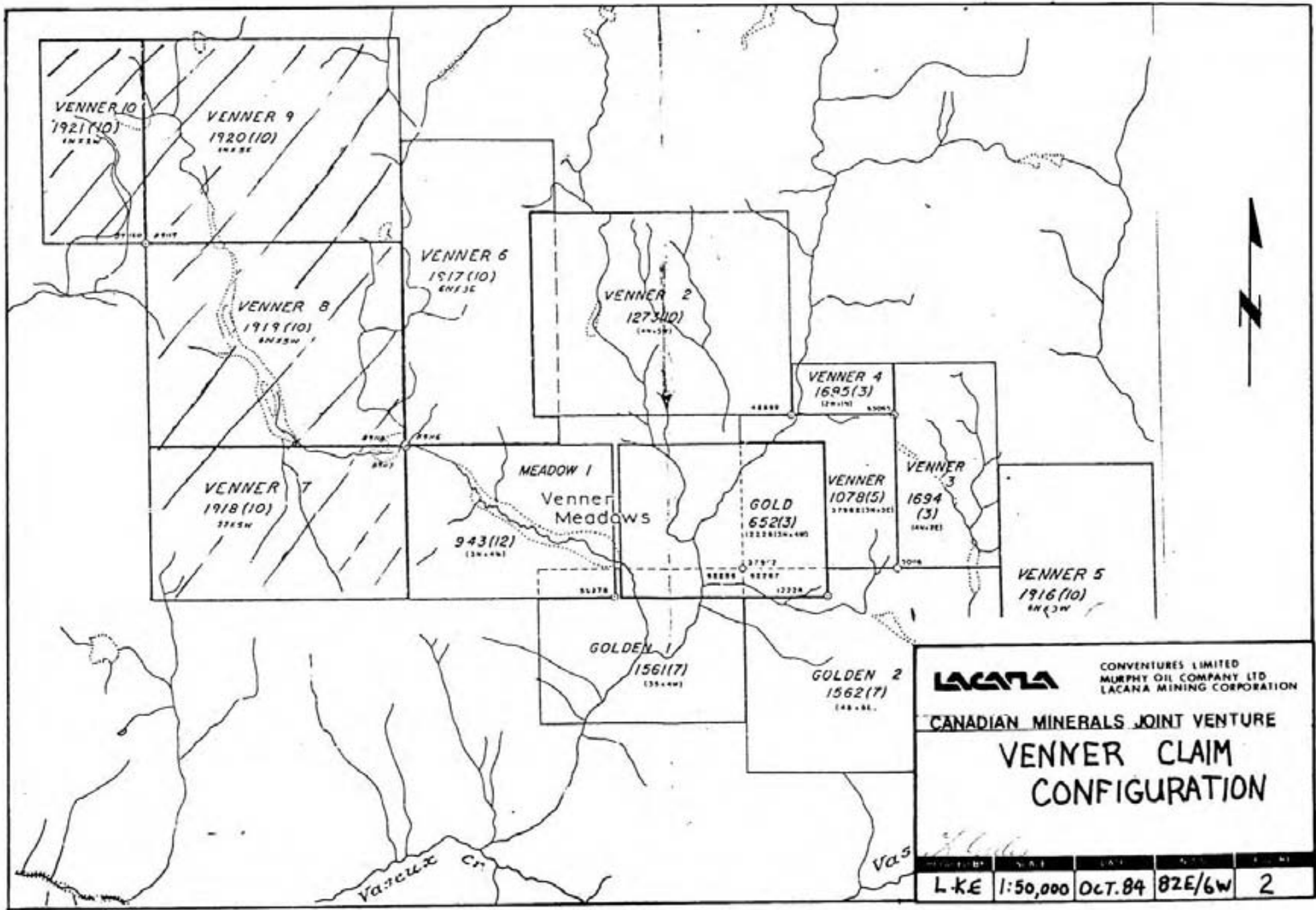
The topography of the claims' area is gently rolling for the most part with elevations ranging from 1490 to 1630 metres A.S.L. Several areas within the claim group have been logged, however most of the area is covered by thick stands of pine and spruce.

Refer to Figures 1 and 2 for locations and configuration of the claims.

Claim Status

The claims listed below form the VENNER 8 Group of claims. All are owned and operated 100% by Lacana Mining Corporation.

<u>Name</u>	<u>Record Number</u>	<u>Number of Units</u>	<u>Record Date</u>
VENNER 7	1918	15	Oct. 17, 1983
VENNER 8	1919	20	Oct. 17, 1983
VENNER 9	1920	20	Oct. 17, 1983
VENNER 10	1921	8	Oct. 17, 1983



LACANA CONVENTURES LIMITED
 MURPHY OIL COMPANY LTD
 LACANA MINING CORPORATION

CANADIAN MINERALS JOINT VENTURE

VENNER CLAIM CONFIGURATION

SCALE	DATE	SHEET	TOTAL SHEETS
L-K-E 1:50,000	OCT. 84	82E/6W	2

GEOLOGY

Regional Geology

The regional geology of the area is shown on Map 15-1961, published by H.W. Little of the Geological Survey of Canada. The oldest rocks in the area are from the Precambrian, Monashee group. Cretaceous age granitic rocks classified as Valhalla Plutonic rocks (Unit 16 on Map 15-1961) intrude approximately 25% of Kettle River (West half) map area and are the next oldest rocks found outcropping on the property.

Paleocene to Eocene volcanic and sedimentary rocks outcrop within the boundaries of the VENNER claims and reflect an overall northwesterly strike of these overlying younger rocks.

A quartz vein/shear/silicified breccia zone, within an andesitic member of the Paleocene to Eocene rocks plays host to the gold/silver mineralization in the main showing on the original VENNER claim group. The Dusty Mac Mine, some 19 kilometres to the northwest of the claims' area displays a similar geologic environment to that underlying the VENNER claim groups.

Property Geology

Thick deposits of alluvial sands and gravels blanket most of the claims' area with only limited bedrock exposures in the northwest quadrant of the VENNER 9 claim.

Geologic contacts depicted on Map 15-1961, by Little, have been altered on the author's larger scale map to show banded Monashee gneiss outcropping in the area north of the northwesterly trending mixed volcanics and sedimentary rocks, instead of Valhalla plutonic rocks as shown by Little.

Basically three groups of rocks were observed on the property. Listed and described, from oldest to youngest, they are:

Unit 1 - The Monashee rocks, outcropping on the property are comprised of light and dark green, medium grained banded gneiss. This rock type was seen outcropping in the northernmost areas of the VENNER 9 claim and its southern contact with the overlying group of volcanic and sedimentary rocks marks the northernmost extent of necessary exploration for similar volcanic hosted gold mineralization that is found on the adjacent group of VENNER claims and the Dusty

Mac gold mine. This rock is more resistant and weathers in higher relief than the volcanic and sedimentary rocks outcropping to the south. The highest elevations on the ground are underlain by Monashee gneiss. Outcrop exposures are commonly large, rounded to steep sided knolls.

Unit 2 - Medium grained granitic to granodioritic plutonic rocks from the Valhalla Intrusions outcrop in several small areas south of the main haul logging road on the west side of the grid. Large float boulders are common in this area as well. The rock has been classified as "Cretaceous" in age on Little's map (15-1961) and appears to be quite fresh and unaltered on the unweathered surface.

Unit 3 - Interbedded rhyolitic to andesitic volcanics and graphitic shale comprise Unit 3 on Figure 3. The most common rocks from this unit which outcrop on the claims are rhyolitic, feldspar crystal tuffs. These rocks are commonly light buff to grey in colour, have a porous clay-like texture and often outcrop in large patches of rubble. This rock overlies the gold bearing, andesitic horizon in the vicinity of the main gold showing on the original group of VANNER claims and is believed to mask the geochemical expression from that horizon. In some localities this rock displays a conglomeratic texture with rounded boulders of the same composition and appearance as the tuffaceous groundmass.

Commonly interbedded with the rhyolitic tuff unit are beds of dark grey, graphitic, silty shale. The thickness of the shale beds (up to several metres thick) vary, but commonly are much narrower than the tuff beds.

No positive identification was made of the andesitic rocks which are believed to underlie the rhyolitic tuff on the property.

GEOPHYSICS

V.L.F. EM Survey

A Crone "RADEM" V.L.F. EM unit was utilized on a grid with line spacings of 250 metres and stations along the lines at 50 metre spacings. Annapolis, Maryland was the transmitter station utilized for this survey, with the operator facing in an easterly direction. It was hoped the V.L.F. EM survey would respond to structural features and veins similar to those found around the main showing on the original group of VENNER claims.

The survey was generally unsuccessful in determining any major linear features. Variations in dip angles and background readings were generally low. The contoured "Fraser-Filtered" data as shown on Figure 4 depicts general east-west trends possibly reflecting, either ice movement and thickness of overburden or broad trends in the geologic units.

From a previous EM survey on the original VENNER claims, as reported by D. Johnson on his assessment report on the property (Report on Geological Mapping, Magnetometer Survey and V.L.F. EM Survey on the VENNER and VENNER 2 Mineral Claims, May 20, 1982), lack of E.M. response may be attributed to the masking effects of the rhyolitic tuff horizon (Unit 3).

GEOCHEMICAL SURVEY

Soil samples were collected from the "B" horizon at 100 metre stations along lines spaced 250 metres apart. Soil was collected in gusseted brown paper envelopes utilizing a matt~~ock~~. A total of 394 soil samples were collected and analyzed for gold and silver by Acme Analytical Laboratories of Vancouver, by standard geochemical methods.

From each soil sample, .500 grams is digested with 3 millilitres of 3-1-3 HCl-HNO₃ at 95°C for one hour and is diluted to 10 millilitres with water. Gold analysis is by atomic absorption from a 10 gram sample.

The Geochemical Survey outlined no strongly anomalous gold or silver areas. The values for gold ranged between 5 ppb and 25 ppb and those for silver ranged between 0.1 and 0.6 ppm. The northern half of Line 5+100W proved to be the most anomalous line for gold

geochemistry with 13 out of the 15 anomalous samples collected from the entire grid being collected on that line.

Further geochemistry is not recommended for this property due to masking effects of which overburden and the rhyolitic tuff horizon.

Refer to Figure 6 for location and sample results.

QUALIFICATIONS

I, LOUISE ECCLES, of Port Moody, British Columbia do hereby state that:

1. I graduated from the University of British Columbia in 1976, with a B.Sc degree in geology.
2. I have been working as an exploration geologist with various exploration companies in British Columbia, Yukon and Northwest Territories, Ontario and the Northwest United States for the past eleven years.
3. I am a member of the Canadian Institute of Mining and Metallurgy and a Fellow of the Geological Association of Canada.
4. I personally oversaw the field program described in this report between October 1 and 17th, 1984.

L. Eccles

STATEMENT OF EXPENSES
VENNER CLAIMS - O.K. FALLS

Geological Mapping, Geochemical Survey, EM Survey

1. Wages:

Louise Eccles, Geologist 17 days @ \$150	\$2,550.00
Lesley Renaud, Assistant 11 " @ \$ 90	<u>990.00</u>
Total	\$3,540.00

2. Transportation:

Truck Rental (Company truck)	
11 days @ \$35	385.00
1,278 km @ 10¢ per km	127.80
Gasoline	<u>205.22</u>
Total	718.02

3. Meals/Lodgings & Misc. Expenses

(as per L. Eccles Expense Report)	Total	\$613.16
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4. Laboratory Costs

394 soil samples analyzed for Ag and Au by standard geochemical analytical procedures by Acme Analytical Labs 852 E. Hastings St. Vancouver, B.C.		
394 samples @ \$6.60 (Inv 84-2982, Oct 17/84)	Total	\$2,600.00

5. Report Compilation and Drafting	Total	\$1,000.00
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SUMMARY OF COSTS

1. Wages	\$3,540.00
2. Transportation	718.02
3. Food/Lodgings/Misc.	613.16
4. Laboratory Costs	2,600.00
5. Report Compilation and Drafting	<u>1,000.00</u>
TOTAL	<u>\$8,471.58</u>

L. Eccles

ACME ANALYTICAL LABORATORIES LTD.
32 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: OCT 11 1984

DATE REPORT MAILED: *Oct 17/84...*

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-3 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR Mn, Fe, Ca, P, Cr, Mg, Ba, Ti, B, Al, Na, K, W, Si, Zr, Ce, Sn, Y, Nb and Ta. Au DETECTION LIMIT BY ICP IS 3 ppb.
- SAMPLE TYPE: SOILS Au ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *N. Deane* DEAN TOYE. CERTIFIED B.C. ASSAYER

LACANA MINING PROJECT # VENNER CLAIMS FILE # 84-2982 PAGE 1

SAMPLE#	Ag ppm	Au* ppb
25+00W 37+00N	.4	5
25+00W 36+00N	.4	5
25+00W 35+00N	.3	5
25+00W 34+00N	.3	5
25+00W 33+00N	.4	5
25+00W 32+00N	.1	5
25+00W 30+00N	.1	5
25+00W 29+00N	.1	5
25+00W 28+00N	.1	5
25+00W 27+00N	.1	5
25+00W 26+00N	.1	5
25+00W 25+00N	.1	5
25+00W 24+00N	.2	5
25+00W 23+00N	.2	5
25+00W 22+00N	.1	5
25+00W 21+00N	.1	5
25+00W 20+00N	.2	5
25+00W 19+00N	.1	5
25+00W 18+00N	.1	5
25+00W 17+00N	.2	5
25+00W 16+00N	.3	5
25+00W 15+00N	.1	5
25+00W 14+00N	.1	5
25+00W 13+00N	.2	5
25+00W 12+00N	.1	5
25+00W 11+00N	.1	5
25+00W 10+00N	.1	5
25+00W 9+00N	.1	5
25+00W 8+00N	.2	5
25+00W 7+00N	.1	5
25+00W 6+00N	.1	5
25+00W 5+00N	.2	5
25+00W 4+00N	.1	5
25+00W 3+00N	.1	5
25+00W 2+00N	.1	5
25+00W 1+00N	.1	5
25+00W 0+00N	.1	5
STD C/AU 0.5	6.4	500

SAMPLE#	Ag ppm	Au* ppb
22+50W 37+00N	.2	5
22+50W 36+00N	.1	5
22+50W 35+00N	.1	5
22+50W 34+00N	.2	5
22+50W 33+00N	.1	5
22+50W 32+00N	.2	5
22+50W 30+00N	.2	20
22+50W 29+00N	.1	5
22+50W 28+00N	.1	5
22+50W 27+00N	.2	5
22+50W 26+00N	.2	5
22+50W 25+00N	.2	5
22+50W 24+00N	.2	5
22+50W 23+00N	.1	5
22+50W 22+00N	.3	5
22+50W 21+00N	.1	5
22+50W 20+00N	.2	5
22+50W 19+00N	.1	5
22+50W 18+00N	.2	5
22+50W 17+00N	.1	5
22+50W 16+00N	.1	5
22+50W 15+00N	.2	5
22+50W 14+00N	.1	5
22+50W 13+00N	.1	5
22+50W 12+00N	.2	5
22+50W 11+00N	.1	5
22+50W 10+00N	.1	5
22+50W 9+00N	.1	5
22+50W 8+00N	.2	5
22+50W 7+00N	.2	5
22+50W 6+00N	.1	5
22+50W 5+00N	.2	5
22+50W 4+00N	.2	5
22+50W 3+00N	.1	5
22+50W 2+00N	.2	5
22+50W 1+00N	.3	5
22+50W 0+00N	.2	5
STD C/AU 0.5	6.7	505

SAMPLE#	Ag ppm	Au* ppb
20+00W 39+00N	.2	5
20+00W 38+00N	.2	5
20+00W 37+00N	.2	5
20+00W 36+00N	.1	5
20+00W 35+00N	.2	5
20+00W 34+00N	.1	5
20+00W 33+00N	.2	5
20+00W 32+00N	.2	5
20+00W 31+00N	.1	5
20+00W 30+00N	.2	5
20+00W 29+00N	.2	5
20+00W 28+00N	.2	5
20+00W 27+00N	.1	5
20+00W 26+00N	.3	5
20+00W 25+00N	.3	5
20+00W 24+00N	.1	5
20+00W 23+00N	.3	5
20+00W 22+00N	.3	5
20+00W 21+00N	.2	5
20+00W 20+00N	.1	5
20+00W 19+00N	.3	5
20+00W 18+00N	.1	5
20+00W 17+00N	.3	5
20+00W 16+00N	.2	5
20+00W 15+00N	.3	5
20+00W 14+00N	.2	5
20+00W 13+00N	.2	5
20+00W 12+00N	.2	5
20+00W 11+00N	.1	5
20+00W 10+00N	.1	5
20+00W 9+00N	.2	5
20+00W 8+00N	.3	5
20+00W 7+00N	.2	5
20+00W 6+00N	.2	5
20+00W 5+00N	.1	5
20+00W 4+00N	.2	5
20+00W 3+00N	.2	5
STD C/AU 0.5	6.6	500

LACANA MINING PROJECT # VENNER CLAIMS FILE # 84-2982 PAGE 4

SAMPLE#	Ag ppm	Au# ppb
20+00W 2+00N	.1	5
20+00W 1+00N	.1	5
20+00W 0+00N	.1	5
17+50W 37+00N	.1	5
17+50W 36+00N	.1	5
17+50W 35+00N	.1	5
17+50W 34+00N	.3	5
17+50W 33+00N	.3	5
17+50W 32+00N	.2	5
17+50W 31+00N	.2	5
17+50W 30+00N	.1	5
17+50W 29+00N	.4	5
17+50W 28+00N	.1	5
17+50W 27+00N	.1	5
17+50W 26+00N	.1	5
17+50W 25+00N	.1	5
17+50W 24+00N	.1	5
17+50W 23+00N	.1	5
17+50W 22+00N	.3	5
17+50W 21+00N	.1	5
17+50W 20+00N	.1	5
17+50W 19+00N	.1	5
17+50W 18+00N	.1	5
17+50W 17+00N	.1	5
17+50W 16+00N	.1	5
17+50W 15+00N	.2	5
17+50W 14+00N	.1	5
17+50W 13+00N	.1	5
17+50W 12+00N	.1	5
17+50W 11+00N	.1	5
17+50W 10+00N	.1	5
17+50W 9+00N	.2	5
17+50W 8+00N	.1	5
17+50W 6+00N	.2	5
17+50W 5+00N	.2	5
17+50W 4+00N	.1	5
17+50W 3+00N	.1	5
STD C/AU 0.5	6.6	505

SAMPLE#	Ag ppm	Au* ppb
17+50W 2+00N	.1	5
17+50W 1+00N	.3	5
17+50W 0+00N	.1	5
12+50W 40+00N	.1	5
12+50W 39+00N	.1	5
12+50W 38+00N	.3	5
12+50W 37+00N	.1	5
12+50W 36+00N	.1	5
12+50W 35+00N	.2	5
12+50W 34+00N	.1	5
12+50W 33+00N	.2	5
12+50W 32+00N	.1	5
12+50W 31+00N	.4	5
12+50W 30+00N	.1	5
12+50W 29+00N	.2	5
12+50W 28+00N	.1	5
12+50W 27+00N	.1	5
12+50W 26+00N	.1	5
12+50W 25+00N	.1	5
12+50W 24+00N	.1	5
12+50W 23+00N	.2	5
12+50W 22+00N	.1	5
12+50W 21+00N	.1	5
12+50W 20+00N	.1	5
12+50W 19+00N	.3	5
12+50W 18+00N	.1	5
12+50W 17+00N	.1	5
12+50W 16+00N	.1	5
12+50W 15+00N	.1	5
12+50W 14+00N	.1	5
12+50W 13+00N	.1	5
12+50W 12+00N	.1	5
12+50W 11+00N	.1	5
12+50W 10+00N	.1	5
12+50W 9+00N	.1	5
12+50W 8+00N	.1	5
12+50W 7+00N	.1	5
STD C/AU 0.5	6.7	505

SAMPLE#	Ag ppm	Au* ppb
12+50W 6+00N	.1	5
12+50W 5+00N	.1	5
12+50W 4+00N	.1	5
12+50W 3+00N	.1	5
12+50W 2+00N	.1	5
12+50W 1+00N	.1	5
12+50W 0+00N	.2	5
10+00W 40+00N	.1	5
10+00W 39+00N	.1	5
10+00W 38+00N	.1	5
10+00W 37+00N	.1	5
10+00W 36+00N	.3	5
10+00W 35+00N	.2	5
10+00W 34+00N	.5	5
10+00W 33+00N	.2	5
10+00W 32+00N	.1	5
10+00W 31+00N	.1	5
10+00W 30+00N	.1	5
10+00W 29+00N	.1	5
10+00W 28+00N	.1	5
10+00W 27+00N	.2	5
10+00W 26+00N	.1	5
10+00W 25+00N	.3	5
10+00W 24+00N	.3	5
10+00W 23+00N	.3	5
10+00W 22+00N	.1	5
10+00W 21+00N	.2	5
10+00W 20+00N	.1	5
10+00W 19+00N	.2	5
10+00W 18+00N	.1	5
10+00W 17+00N	.1	5
10+00W 16+00N	.2	5
10+00W 15+00N	.2	5
10+00W 14+00N	.1	5
10+00W 13+00N	.2	5
10+00W 12+00N	.1	5
10+00W 11+00N	.1	5
STD C/AU 0.5	6.6	500

SAMPLE#	Ag ppm	Au# ppb
10+00W 10+00N	.1	5
10+00W 9+00N	.2	5
10+00W 8+00N	.2	5
10+00W 7+00N	.1	5
10+00W 6+00N	.1	5
10+00W 5+00N	.2	5
10+00W 4+00N	.1	5
10+00W 3+00N	.1	5
10+00W 2+00N	.1	5
10+00W 1+00N	.1	5
10+00W 0+00N	.1	5
7+50W 39+00N	.1	5
7+50W 38+00N	.1	5
7+50W 37+00N	.1	5
7+50W 36+00N	.1	5
7+50W 35+00N	.1	5
7+50W 34+00N	.2	5
7+50W 33+00N	.1	5
7+50W 32+00N	.1	5
7+50W 31+00N	.2	5
7+50W 30+00N	.1	5
7+50W 29+00N	.3	5
7+50W 28+00N	.2	5
7+50W 27+00N	.2	5
7+50W 26+00N	.2	5
7+50W 25+00N	.1	5
7+50W 24+00N	.2	5
7+50W 23+00N	.1	5
7+50W 22+00N	.1	5
7+50W 21+00N	.1	5
7+50W 20+00N	.1	5
7+50W 19+00N	.1	5
7+50W 18+00N	.1	5
7+50W 17+00N	.1	5
7+50W 16+00N	.2	5
7+50W 15+00N	.1	5
7+50W 14+00N	.1	5
STD C/AU 0.5	6.5	490

SAMPLE#	Ag ppm	Au* ppb
7+50W 13+00N	.1	5
7+50W 12+00N	.1	5
7+50W 11+00N	.1	5
7+50W 10+00N	.1	5
7+50W 9+50N	.1	5
7+50W 8+00N	.1	5
7+50W 7+00N	.1	5
7+50W 6+00N	.1	5
7+50W 5+00N	.1	5
7+50W 4+00N	.1	5
7+50W 3+00N	.1	5
7+50W 2+00N	.1	5
7+50W 1+00N	.1	5
7+50W 0+00N	.1	5
5+00W 40+00N	.1	5
5+00W 39+00N	.1	5
5+00W 38+00N	.1	5
5+00W 37+00N	.1	15
5+00W 36+00N	.1	20
5+00W 35+00N	.1	5
5+00W 34+00N	.1	10
5+00W 33+00N	.1	10
5+00W 32+00N	.1	5
5+00W 31+00N	.1	10
5+00W 30+00N	.1	10
5+00W 29+00N	.3	5
5+00W 28+00N	.3	5
5+00W 27+00N	.1	10
5+00W 26+00N	.2	5
5+00W 25+00N	.2	5
5+00W 24+00N	.2	5
5+00W 23+00N	.1	5
5+00W 22+00N	.1	10
5+00W 21+00N	.1	5
5+00W 20+00N	.1	10
5+00W 19+00N	.1	10
5+00W 18+00N	.1	25
STD C./AU-0.5	6.8	510

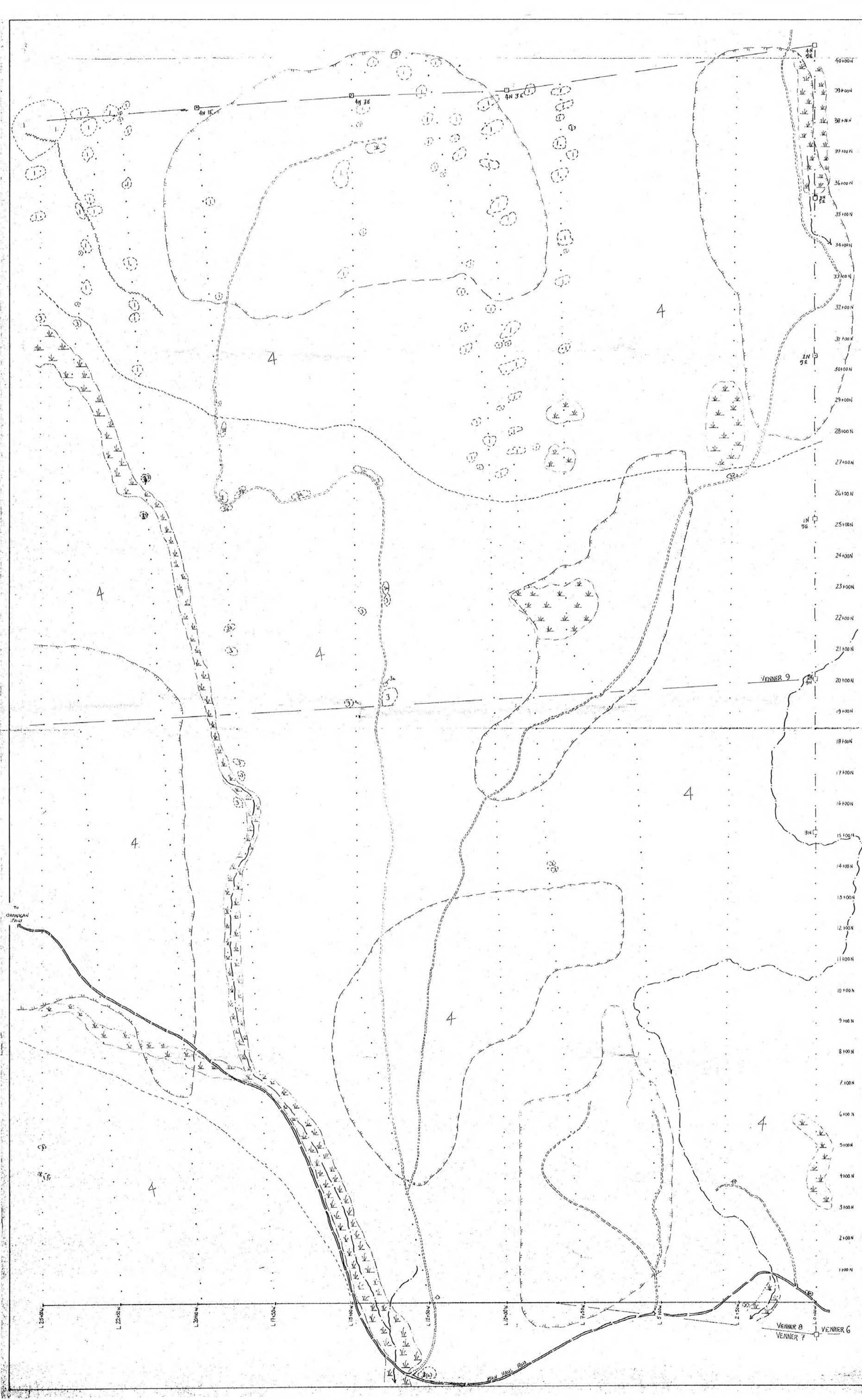
LACANA MINING PROJECT # VENNER CLAIMS FILE # 84-2982 PAGE 9

SAMPLE#	Ag ppm	Au* ppb
5+00W 17+00N	.2	5
5+00W 16+00N	.1	5
5+00W 15+00N	.1	5
5+00W 14+00N	.2	5
5+00W 13+00N	.1	5
5+00W 12+00N	.2	25
5+00W 11+00N	.2	5
5+00W 10+00N	.1	10
5+00W 9+00N	.1	5
5+00W 8+00N	.1	5
5+00W 7+00N	.2	5
5+00W 6+00N	.1	5
5+00W 5+00N	.1	5
5+00W 4+00N	.1	5
5+00W 3+00N	.2	5
5+00W 2+00N	.1	5
5+00W 1+00N	.1	5
5+00W 0+00N	.1	5
2+50W 40+00N	.3	5
2+50W 39+00N	.2	5
2+50W 38+00N	.1	5
2+50W 37+00N	.1	5
2+50W 36+00N	.1	5
2+50W 35+00N	.2	5
2+50W 34+00N	.1	5
2+50W 33+00N	.1	5
2+50W 32+00N	.1	5
2+50W 31+00N	.2	5
2+50W 30+00N	.3	5
2+50W 29+00N	.6	5
2+50W 28+00N	.2	5
2+50W 27+00N	.2	5
2+50W 26+00N	.3	5
2+50W 25+00N	.3	5
2+50W 24+00N	.1	5
2+50W 23+00N	.1	5
2+50W 22+00N	.1	5
STD C/AU 0.5	6.7	505

LACANA MINING PROJECT # VENNER CLAIMS FILE # 84-2982 PAGE 10

SAMPLE#	Ag ppm	Au* ppb
2+50W 21+00N	.1	5
2+50W 20+00N	.1	5
2+50W 19+00N	.1	5
2+50W 18+00N	.1	5
2+50W 17+00N	.2	5
2+50W 16+00N	.1	5
2+50W 15+00N	.1	5
2+50W 14+00N	.1	5
2+50W 13+00N	.1	5
2+50W 12+00N	.1	5
2+50W 11+00N	.1	5
2+50W 10+00N	.1	5
2+50W 9+00N	.1	5
2+50W 8+00N	.1	5
2+50W 7+00N	.1	5
2+50W 6+00N	.1	5
2+50W 5+00N	.1	5
2+50W 4+00N	.1	5
2+50W 3+00N	.1	5
2+50W 2+00N	.1	5
2+50W 1+00N	.1	5
2+50W 0+00N	.1	5
0+00W 39+00N	.1	5
0+00W 38+00N	.1	5
0+00W 37+00N	.1	5
0+00W 36+00N	.1	5
0+00W 35+00N	.3	5
0+00W 34+00N	.1	5
0+00W 33+00N	.1	5
0+00W 32+00N	.1	5
0+00W 31+00N	.2	5
0+00W 30+00N	.1	5
0+00W 29+00N	.1	5
0+00W 28+00N	.1	5
0+00W 27+00N	.1	5
0+00W 26+00N	.1	5
0+00W 25+00N	.1	5
STD C/AU 0.5	6.4	505

SAMPLE#	Ag ppm	Au* ppb
0+00W 24+00N	.2	5
0+00W 23+00N	.1	5
0+00W 22+00N	.1	5
0+00W 21+00N	.1	5
0+00W 20+00N	.1	5
0+00W 19+00N	.1	5
0+00W 18+00N	.1	5
0+00W 17+00N	.1	5
0+00W 16+00N	.1	5
0+00W 15+00N	.1	5
0+00W 14+00N	.2	5
0+00W 13+00N	.1	5
0+00W 12+00N	.1	5
0+00W 11+00N	.1	5
0+00W 10+00N	.1	5
0+00W 9+00N	.1	5
0+00W 8+00N	.2	5
0+00W 7+00N	.1	5
0+00W 6+00N	.1	5
0+00W 5+00N	.2	5
0+00W 3+00N	.2	5
0+00W 2+00N	.1	5
0+00W 1+00N	.1	5
0+00W 0+00N	.1	5
STD C/AU-0.5	6.9	500



LEGEND

- LOCATED CLAIM POST
- SWAMP
- CREEK
- LOGGED AREA
- GRID STATION
- MAIN ROAD
- SECONDARY ROAD
- BUILDING
- FAULT
- GEOLIC CONTACT

GEOLOGY

- OVERBURDEN
- TUFF, INTERBEDS OF ANDRUSITE SHALE (3a), Agglomerate (3b), Andesitic (3c), Mostly cream coloured, porous, crystall tuff.
- Granitic Intrusive - Valhalla Plutonic Rocks.
- Monashee Gneiss
- outcrop boundary
- Geologic Contact

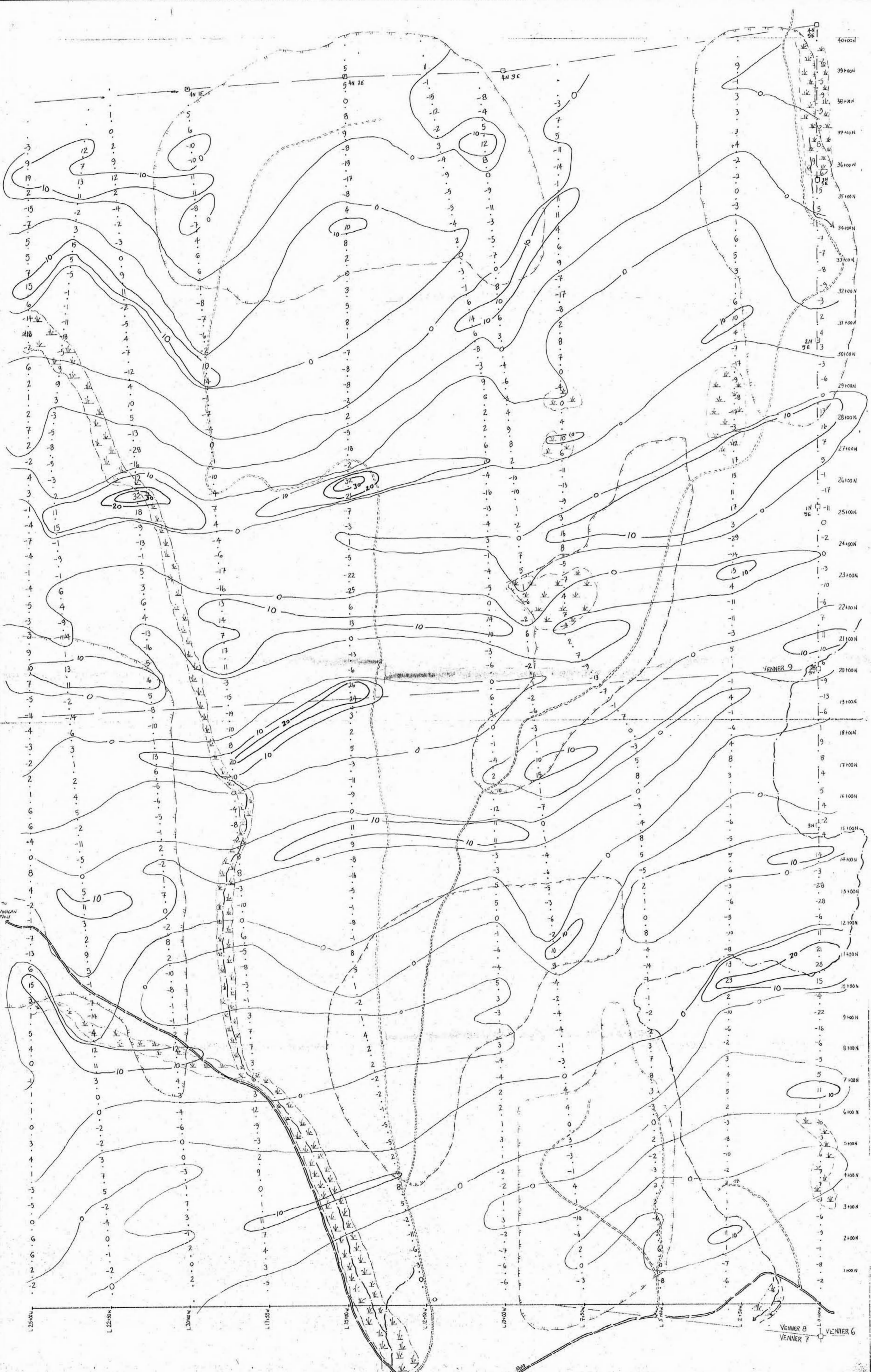
**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

13,113
SCALE

metres 0 100 200 300 metres

LACANA	LACANA MINING CORPORATION
OKANAGAN HILLS GOLD PROPERTY	
VENNER 7 to 10 CLAIMS	
GEOLOGY	
L.K.E. 1:5000	Oct. 84 82.5/64 3

Handwritten signature



LEGEND

- LOCATED CLAIM POST
- SWAMP
- CREEK
- LOGGED AREA
- GRID STATION
- MAIN ROAD
- SECONDARY ROAD
- BUILDING
- FRASER FILTERED DATA CONTOURS
10
20
30

TRANSFER STATION USED: Annapolis, Maryland
OPERATOR: FRED GALT

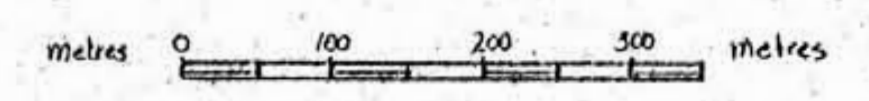
GEOLOGY

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-
-

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

13,113

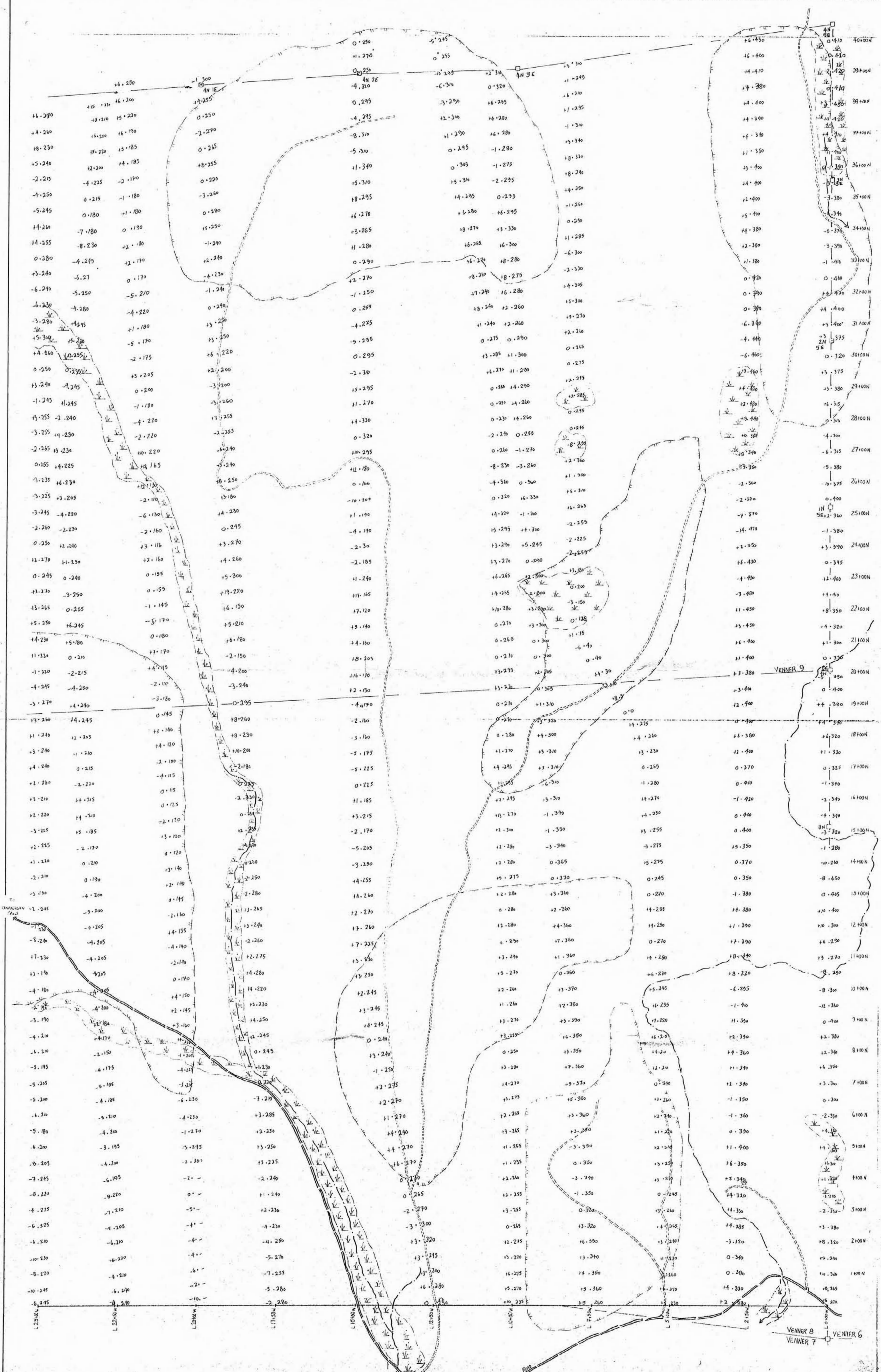
SCALE



LACMINA LACMINA MINING CORPORATION
GRANBY MOUNTAINS GOLD PROPERTY
VENNER 7 to 10
CLAIMS
FRASER FILTERED DATA
PROSPECTIOUS

L.K.C. 1:5000 Oct. 89 826/84 4

K. Hodder



Amapolis, Maryland
VLF Transmitter

LEGEND

- LOCATED CLAIM POST
- SWAMP
- CREEK
- LOGGED AREA
- GRID STATION
- MAIN ROAD
- SECONDRARY ROAD
- BUILDING
- 4.220
DIP ANGLE AND FIELD STRENGTH
(FIELD STRENGTH SET AT 200)

Transmitter Station Used: Amapolis, Maryland
OPERATOR FACED EAST

GEOLOGY

- 1
- 2
- 3
- 4

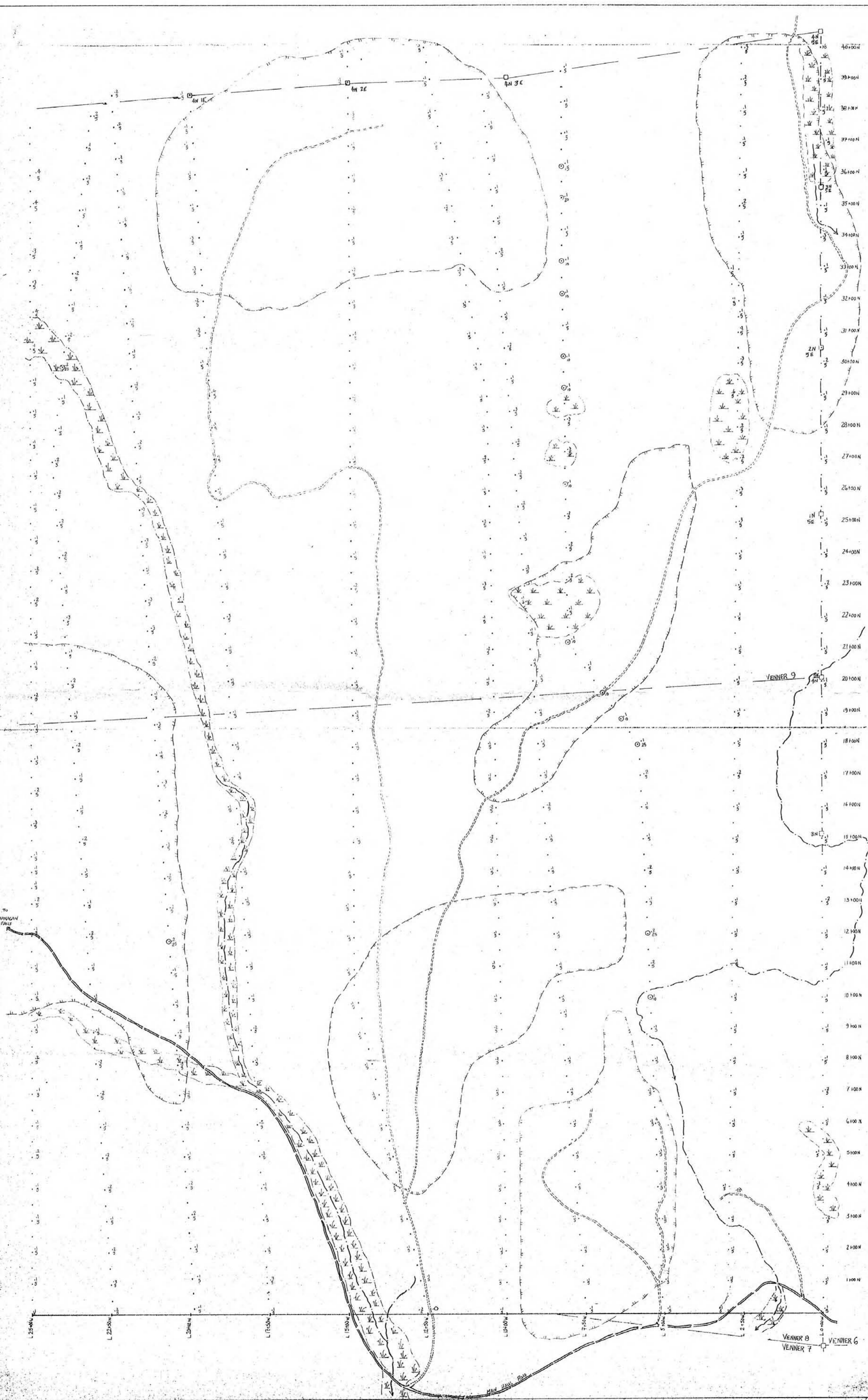
**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

13,113

SCALE

metres 0 100 200 300 inches

LACINA LACINA MINING CORPORATION
ORANISHAN HILLS GOLD PROPERTY
VENNER 7 to 10
CLAIMS
VLF SURVEY
L.M.E. 1:5000 Oct. 84 846/6.5



LEGEND

- LOCATED CLAIM POST
- SWAMP
- CREEK
- LOGGED AREA
- GRID STATION
- MAIN ROAD
- SECONDARY ROAD
- BUILDING
- higher than 5ppb Au

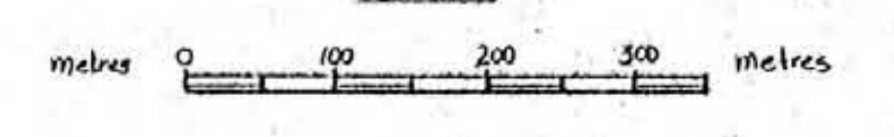
GEOLOGY

-
-
-
-

GEOLOGICAL BRANCH
ASSESSMENT REPORT

13,113

SCALE



LACANA LACANA MINING CORPORATION
ORANAGAN FALLS GOLD PRELIMINARY
VENNER 7 to 10
CLUMS
SILVER & GOLD SOIL GEOCHEMISTRY
L.K.E. 1:5000 Oct 84 825/64 6