

LOG NO:	APR 08 1992	RD.
ACTION:		
FILE NO:		

REPORT ON PHYSICAL WORK

ON THE

**ATLAS AND HERCULES CLAIMS
(32 UNITS)**

OMINECA MINING DIVISION

SUB-RECORDER RECEIVED
MAR 20 1992
M.R. # \$
VANCOUVER, B.C.

By

Louise Eccles, P.Geo.

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

LOCATION: 57° 16' N to 57° 19', N Latitude
126° 51' W to 126° 57' W Longitude

NTS: 94E/7W

OWNER/OPERATOR: CHENI GOLD MINES LTD.

DATE OF REPORT: DECEMBER 1991

22,248

TABLE OF CONTENTS

INTRODUCTION	1
GENERAL GEOLOGY	1
ROCK SAMPLING	2
COST STATEMENT	3
BIBLIOGRAPHY	4
APPENDIX A	5
QUALIFICATIONS	7

LIST OF FIGURES

FIGURE 1	Location Map	Following P.1
FIGURE 2	Trail & Sample Location Map 1991 - Atlas Hercules Claims	Following P.2
FIGURE 3	Trail to Hercules Showing Cut + Surveyed - 1991	In Pocket

INTRODUCTION

The Atlas and Hercules claims are located in the Toodoggone River map sheet area, NTS 94E/7W, Omineca Mining Division, (see Figures 1 & 2). Topography is rugged on the Atlas claim where outcrop is exposed on approximately one-third of the area. The Hercules claim overlies lower slopes on the northern side of the Jock Creek Valley and outcrop exposure is poor. Elevations range from 1200 to 2050 metres above sea level.

Access to the property is by plane from Smithers (280 km), or road from Prince George (450 km) to Sturdee airstrip. A tote road, constructed by Canasil Resources, following along Jock Creek past the International Shasta mining camp leads to Canasil Resources' Brenda property. A trail to Atlas Hercules property leads off from the road approximately 4 km northwest of the Canasil Camp. See Figure 2.

The Atlas and Hercules claims consist of 16 units each. They are owned and operated by Cheni Gold Mines Inc. and were staked on the basis of anomalous silt samples collected from creeks draining the area in 1980.

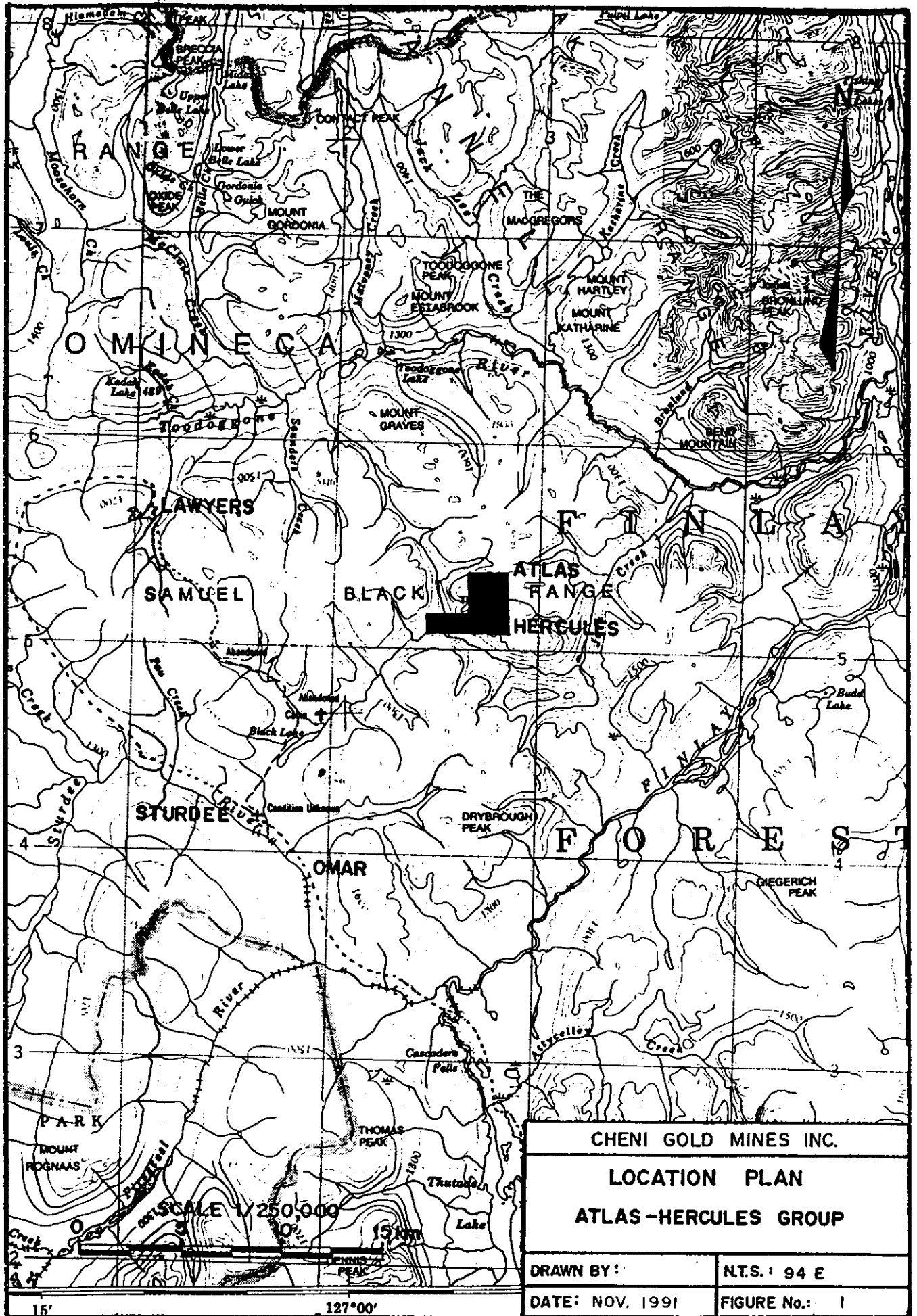
Since staking, several small programs of prospecting, soil sampling, geological mapping and rock sampling and hand trenching have been undertaken.

A tote road, constructed in 1989, passes through the southwest corner of the Hercules claim and so helicopter is no longer the only mode of access to the property. A hiking trail was constructed in July 1991 to provide foot access to the old trenched showings. It takes approximately 1.5 hours to hike 3 km to the trail head at timberline. Six rock samples were collected from the Atlas claim in 1991. Survey notes are located in Appendix A and a detailed sketch of the Cheni Trail is seen on Figure 3.

GENERAL GEOLOGY

The claims area is underlain by "Toodoggone" volcanic rocks of Lower to Middle Jurassic age. These include crystal and lapilli tuff breccias and derived sediments intruded by porphyritic dykes of similar composition. The volcanics are characterized by plagioclase and minor potassic feldspar phenocrysts. Fracture controlled propylitic and argillic alteration are common. An extensive zone of quartz and chalcedony-filled breccia is associated with anomalous gold and silver values. This zone was hand trenched and blasted by Serem in 1987.

Broad zones of intense argillic and propylitic alteration cover much of the exposed alpine areas in the southern half of the Atlas claim. Geochemistry over these altered areas has given inconclusive results.



CHENI GOLD MINES INC.

LOCATION PLAN

ATLAS-HERCULES GROUP

DRAWN BY:

N.T.S.: 94 E

DATE: NOV. 1991

FIGURE No.: 1

15°

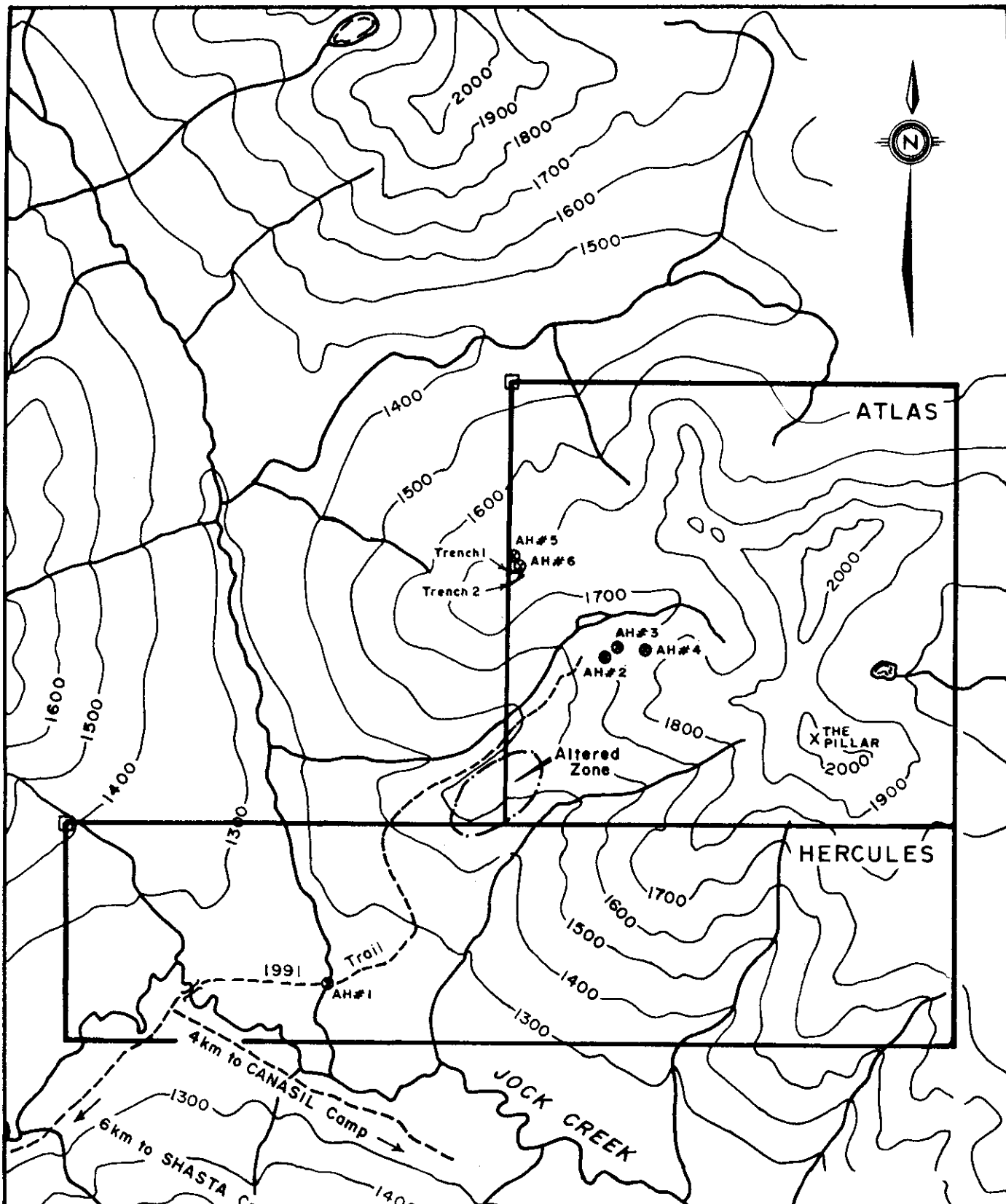
127°00'

ROCK SAMPLING

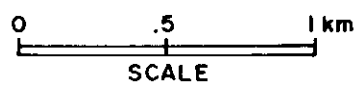
Six rock samples (all grabs) were collected from the Atlas and Hercules claims in 1991. Sample locations are noted on Figure 2.

32 element ICP analysis and Atomic Absorption for gold was done on each sample at Chemex Laboratories in North Vancouver. Sample results are located on the following pages and sample descriptions are as follows:

Sample No.	Location	Description
510851	AH #1 - Outcrop in creek near start of trail	Rusty weathered propylitic to argillic altered (pervasive), porphyritic volcanic rock. Porphyritic textures clouded or obscured by alteration.
510852	AH #2 - Scree slope on east side of main alpine valley cutting Atlas claim	Rusty weathered, pervasively argillized porphyritic volcanic, light pink colour; banded, dark & light grey chalcedony veins & veinlets.
510853	AH #3 - Scree slope on east side of main alpine valley cutting Atlas claim	Rusty weathered, pervasively argillized porphyritic volcanic, light pink colour, with banded chalcedony veins & veinlets
510854	AH #4 - Scree slope on east side of main alpine valley cutting Atlas claim	Intensely silicified volcanic or rhyolitic rock, cherty looking, mottled dark & light grey. No obvious phenocrysts. Rusty - yellow weathered surface (skin deep). Finely disseminated pyrite.
510855	AH #5 - Old Serem Trenches	Quartz vein breccia in silicified porphyritic volcanics. Black manganese stain.
510856	AH #6 - Old Serem Trenches	Brecciated, amethystine and chalcedony quartz veins in porphyritic volcanic rock (Toodoggone Age).



Alt #1
 ● ROCK SAMPLE (Sample No.)
 ROCK SAMPLE RESULTS (ppb Au)
 AH #1 20 ppb
 AH #2 60 ppb
 AH #3 3870 ppb
 AH #4 30 ppb
 AH #5 705 ppb
 AH #6 685 ppb



CHENI GOLD MINES INC.	
ATLAS & HERCULES CLAIMS	
1991 TRAIL & SAMPLE LOCATION MAP	
DATE: NOVEMBER, 1991	BY: L. ECCLES
SCALE: 1: 25,000	LOCATION: 94 E/7 W
REPORT NO. 91-VAN-05(A)	FIGURE NO. 2

COST STATEMENT
ATLAS HERCULES CLAIMS

WEISHAUPT EXPLORATION SERVICES LTD. \$4,221.15
Invoice dated August 23, 1991 - Trail Cutting, camp etc.

WAGES

G. Sivertz August 2 & 3, 1991 - 2 days @ \$250 500.00
L. Eccles May 31, August 2 & 3, 1991 - 3 days @ \$250 750.00

MOB/DE MOB, ECCLES & SIVERTZ

Prorated with other projects in area. 500.00
Cheni Air Charters from Vancouver, truck at minesite.

LAB ANALYSIS

Chemex Labs, Invoice #91120073 26 Aug/91 (50% of total) 101.75
6 rock samples - 32 elt ICP, AA for Au

Drafting, Reproduction, Secretarial, Report 500.00

\$6,572.90

BIBLIOGRAPHY

- Crawford, S.A.; 1982 - Assessment Report - Geological & Geochemical Report on the Atlas & Hercules Claims.
- Vulimiri, M.R. & Crooker, G.F.; 1985 - Assessment Report; Geological & Geophysical Report on the Atlas and Hercules Claims.
- Tegart, P. 1987 - Assessment Work - Physical Work - Trenching & Location Maps.

APPENDIX A

**Trail Survey Notes
Atlas & Hercules Claims**

Start on Council Road also Bank of York Cr. All in M				
Δ to	Δ	Bear	Dist.	\times
0+00	85	30°	85	0
1 85	200	14°	115	6
2 200	280	5°	80	0
3 280	475	22°	195	0
4 475	495	Creek	X.20	+12°
5 495	547	75°	52	+12
6 547	600	47°	53	+12°
7 600	663	37°	63	+12°
8 663	820	348°	157	+12°
9 820	957	338°	137	+12°
10 957	10+00	25°	43	0
11 10+00	10+61	350°	61	0
12 10+61	11+10	24°	49	0
13 11+10	11+89	47°	74	0
14 11+89	13+51	20°	167	12+
15 13+51	14+00	32°	49	"
16 14+00	15+46	42°	146	"
17 15+46	16+83	125°	137	" Along Ridge
18 16+83	20+00	73°	317	+4° to 10°
19 20+00	22+00	75°	200	+1°
20 22+00	22+63	50°	63	+1°
21 22+63	24+00	35°	137	Penal
22 24+00	25+00	65°	100	CREEK

CHENI TRAIL SURVEY /
RTN 345 July 18 1991

Remarks.

Jock Cr 9m

0 to 4+75 Valley Bottom

4+75 CREEK

4+95 start of slope

7+10 small creek (SPRING?)

957 top of first Ridge
957 to flat crossing

11

11+30 to 11+84 Swamp with little lake

50m North of TRAIL

11+84 up slope of main Mt.

END OF BURR 13+51

15+46 Ridge Top of CREEK BANK

of CR Bank to 16+83 / START ON
AT 17+49 Join 10m SILE HILL to
24+00 20m from CREEK BASIN FOR PPT.

25+00 In open meadow

23 24+90 Ties well marked

345° From Timberline to Main Showing
500m approx \times slope 310



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: CHENI GOLD MINES INC.

200 - 580 HORNBY ST.
VANCOUVER, BC
V6C 3B6

Page No. : 1-B
Total Pages : 1
Certificate Date: 26-AUG-91
Invoice No. : 19120073
P.O. Number :

Project : EXP 001
Comments : ATTN: LOUISE ECCLES CC: PAUL WEISHAAPT

CERTIFICATE OF ANALYSIS A9120073

SAMPLE DESCRIPTION	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
510851	205	294	< 1	0.04	< 1	980	48	< 5	4	33	0.05	< 10	< 10	46	< 10	128
510852	205	294	3	0.03	< 1	810	28	< 5	4	6	0.02	< 10	< 10	64	< 10	46
510853	205	294	15	0.01	< 1	430	274	< 5	2	27	0.01	< 10	< 10	35	< 10	190
510854	205	294	4	< 0.01	4	80	8	< 5	2	5	< 0.01	< 10	< 10	3	< 10	4
510855	205	294	< 1	< 0.01	2	270	10	< 5	1	3	< 0.01	< 10	< 10	28	< 10	56
510856	205	294	1	< 0.01	2	260	60	< 5	1	33	< 0.01	< 10	< 10	36	< 10	110
510857	205	294	3	0.03	1	1130	434	< 5	3	35	0.08	< 10	< 10	47	< 10	5710
510858	205	294	101	< 0.01	< 1	400	1690	< 5	< 1	10	< 0.01	< 10	< 10	7	< 10	7130
510859	205	294	7	< 0.01	16	20	64	< 5	< 1	22	0.02	< 10	< 10	20	< 10	376
510860	205	294	9	< 0.01	3	290	190	< 5	3	22	0.03	< 10	< 10	33	< 10	980
510861	205	294	11	0.05	48	500	102	< 5	10	106	0.13	< 10	< 10	121	< 10	878
510862	205	294	220	< 0.01	2	110	334	< 5	< 1	86	< 0.01	< 10	< 10	6	< 10	>10000

CERTIFICATION: B. Coughlin



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: CHENI GOLD MINES INC.

200 - 580 HORNBY ST.
VANCOUVER, BC
V6C 3B6

Project: EXP 001
Comments: ATTN: LOUISE ECCLES CC: PAUL WEISHAUP

12 Sample Total 203.51
12 X A

Page No. or : 1-A
Total Pages : 1
Certificate Date: 26-AUG-91
Invoice No. : 19120073
P.O. Number :

CERTIFICATE OF ANALYSIS A9120073

SAMPLE DESCRIPTION	PREP CODE		Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
	FA+AA																				
510851 A4 #1	205	294	20	0.6	1.56	20	280	< 0.5	< 2	0.28	< 0.5	2	39	15	3.37	< 10	< 1	0.25	10	0.86	895
510852 #2	205	294	60	2.8	1.10	< 5	40	< 0.5	< 2	0.09	< 0.5	6	66	10	3.61	< 10	< 1	0.31	< 10	0.67	435
510853 #3	205	294	3870	>200	0.76	30	270	< 0.5	< 2	0.03	2.0	2	93	23	3.16	< 10	< 1	0.46	< 10	0.17	180
510854 #4	205	294	30	1.4	0.15	5	50	< 0.5	< 2	0.01	< 0.5	5	223	9	0.88	< 10	1	0.06	< 10	< 0.01	10
510855 #5	205	294	705	4.0	0.73	< 5	90	< 0.5	< 2	0.03	1.5	7	147	14	1.35	< 10	< 1	0.18	< 10	0.27	1050
510856 #6	205	294	685	75.6	0.63	5	160	< 0.5	2	3.06	3.5	3	149	88	1.25	10	< 1	0.13	10	0.45	1160
510857 Branda	205	294	105	2.8	1.21	15	190	< 0.5	8	0.75	38.0	5	53	1635	3.19	< 10	1	0.24	10	0.72	1510
510858 "	205	294	65	19.4	0.45	90	130	< 0.5	12	0.10	49.0	4	106	205	3.07	< 10	3	0.34	< 10	0.03	120
510859 "	205	294	245	11.4	0.20	15	< 10	< 0.5	12	0.26	1.5	30	215	3960	2.58	< 10	< 1	< 0.01	< 10	0.07	155
510860 "	205	294	6630	49.0	0.85	250	90	< 0.5	< 2	0.26	15.0	11	193	77	3.59	< 10	1	0.33	< 10	0.05	35
510861 "	205	294	2720	82.2	2.35	180	80	< 0.5	< 2	0.64	12.5	29	222	215	4.99	< 10	< 1	0.35	< 10	1.55	640
510862 "	205	294	50	29.2	0.41	< 5	190	< 0.5	22	0.01	>100.0	3	171	4340	1.54	< 10	2	0.22	< 10	0.02	170

CERTIFICATION: B. Coughlin

WEISHAUPT EXPLORATION SERVICES LTD.
1695 MARINE DRIVE
NORTH VANCOUVER, V7P-1V1
INVOICE

Attention - Louise Eccels

August 23, 1991

To: Cheni Gold Mines

G.S.T registration #R105612923

Trail cutting and Brunton survey of access trail -

ATLAS AND HERCULES MINERAL CLAIMS

Work performed July 13 to July 18 and August 3, 1991.

<u>Wages</u>	13 man days @ \$200 per day	\$2,600.00
<u>Campcost</u>	13 man days @ \$45 per day	585.00
<u>Truck rental</u>	7 days @ \$35 incl. gas	245.00
<u>Power saw rental</u>	5 days @ \$35 incl. gas and oil	175.00
<u>Mob and Demob - Gate fee</u>		250.00
<u>Campcost for Cheni's Geologists</u>	2 men - 1 day	90.00
		<hr/>
		\$3,945.00
	G.S.T	<hr/>
		276.15
		<hr/>
		\$4,221.15

*Assessment Work
Atlas Hercules
EXP 001 - 652*

L. Eccels

CANASIL RESOURCES INC

FAX COVER PAGE

DATE: August 26, 1991

TO: Louise Eccles
Cheri Gold Mines Inc.

588 Hornby
VANCOUVER B.C.
V6C 3B6

FAX No. 684-0642

No. OF PAGES: 2 including cover

FROM: P.J.WEISHAUP
CANASIL RESOURCES INC.
VANCOUVER, B.C.
FAX No. (604) 986-6825

REFERENCE: _____

FAX COMMENTS

PLEASE CALL (604) 984-6270 SHOULD YOU NOT RECEIVE ALL PAGES

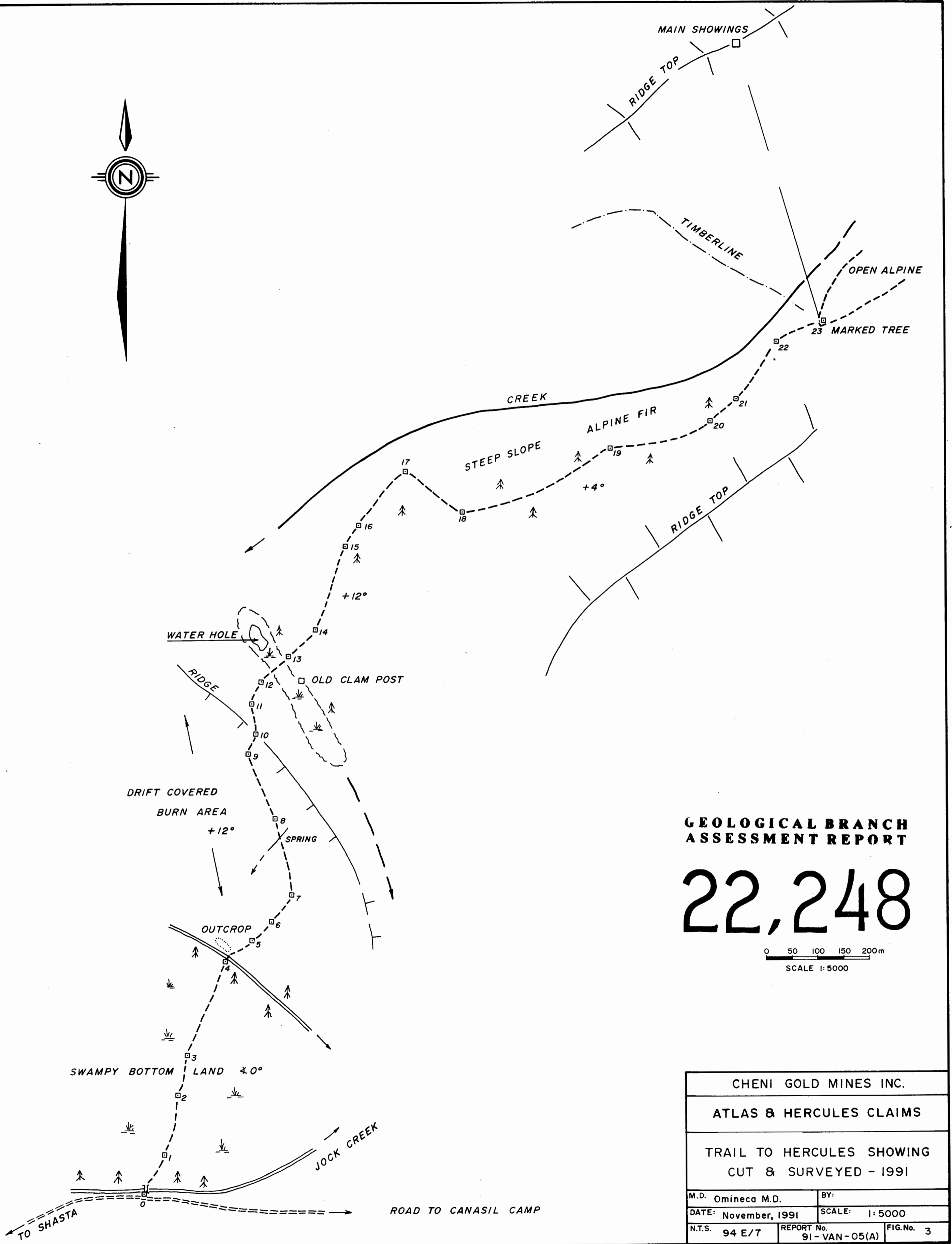
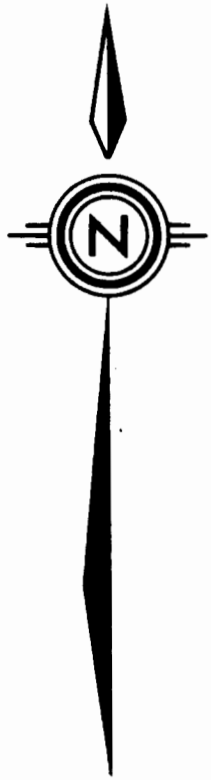
QUALIFICATIONS

I, Louise K. Eccles, of Vancouver, British Columbia, hereby certify that:

1. I graduated from the University of British Columbia in 1976 with a Bachelor of Science Degree in Geology.
2. That I have actively pursued exploration geology since 1976.
3. I am a Fellow of the Geological Association of Canada.
4. I am a Professional Geoscientist, registered with the Association of Professional Engineers and Geoscientists of British Columbia, since 1991.
5. I have no direct or indirect interest in the property.
6. I personally supervised the work described in this report.



DATED this 12th day of March, 1991, at Vancouver, in the Province of British Columbia.



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

22,248

0 50 100 150 200m
SCALE 1:5000

CHENI GOLD MINES INC.		
ATLAS & HERCULES CLAIMS		
TRAIL TO HERCULES SHOWING CUT & SURVEYED - 1991		
M.D. Omineca M.D.	BY:	
DATE: November, 1991	SCALE: 1:5000	
N.T.S. 94 E/7	REPORT No. 91-VAN-05(A)	FIG.No. 3