TRENCH MAPPING AND SAMPLING REPORT
ON
ANG 1 - 20 CLAIMS

WHITEHORSE MINING DISTRICT, YUKON
NTS 115 1/3

for

Eugene Curley

by

Larry W. Carlyle, F.G.A.C., P. Geol.

Whitehorse, Yukon October, 1997

TABLE OF CONTENTS

FIGURES

TABLES

APPENDICES

INTRODUCTION:

In early September, 1997, Larry Carlyle was asked by Eugene Curley to visit his ANG Claims to map and sample some trenches he had had excavated. The trench excavation had been directed by two sets of soil sampling which Mr. Curley had performed on the claims.

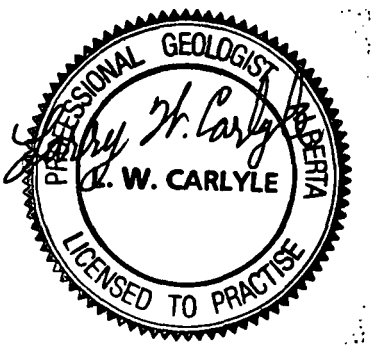
The property was visited and the mapping and sampling was performed on September 3 and 4, 1997. This report will summarize the soil sampling and trenching performed and discuss their results.

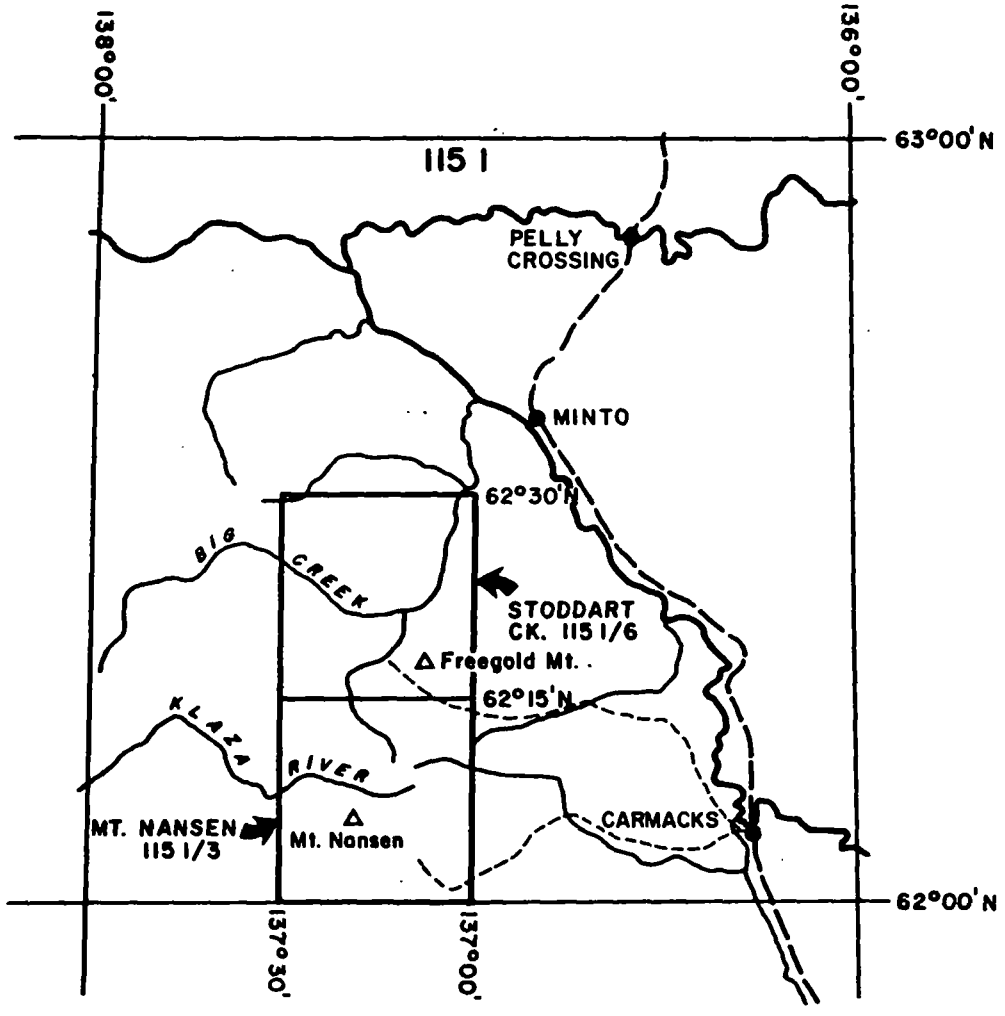
LOCATION, ACCESS AND CLAIMS:

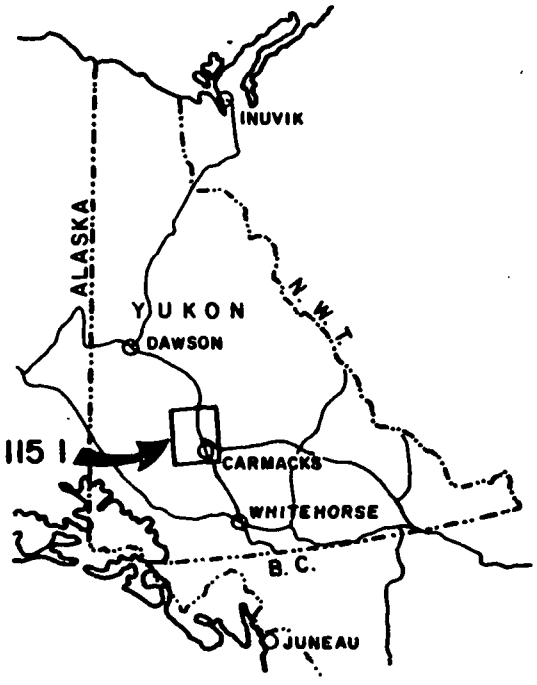
The property is located on the Mt. Nansen Map Sheet, NTS 115 I/3. The claims are situated 4 - 5 km.(4 miles) northeast of the Mt. Nansen (BYG) Mine site (See Claim Map).

The mine site is accessed using a good 2-wheel drive road which leaves the North Klondike Road at Carmacks. This road is maintained to the mine on a year-round basis. From the mine site, the property was accessed along cat roads, old cat trenches and other trails using two Suzuki 4X4 ATV's provided by Mr. Curley.

CLAIM NAME	GRANT NUMBERS	EXPIRY DATE
ANG 1 - 8	YB 57672 - YB 57679	June 19, 1998
ANG 9 - 16	YC 08089 - YC 08096	Aug. 13, 1998
ANG 17 - 20	YC 08155 - YC 08158	Aug. 25, 1998



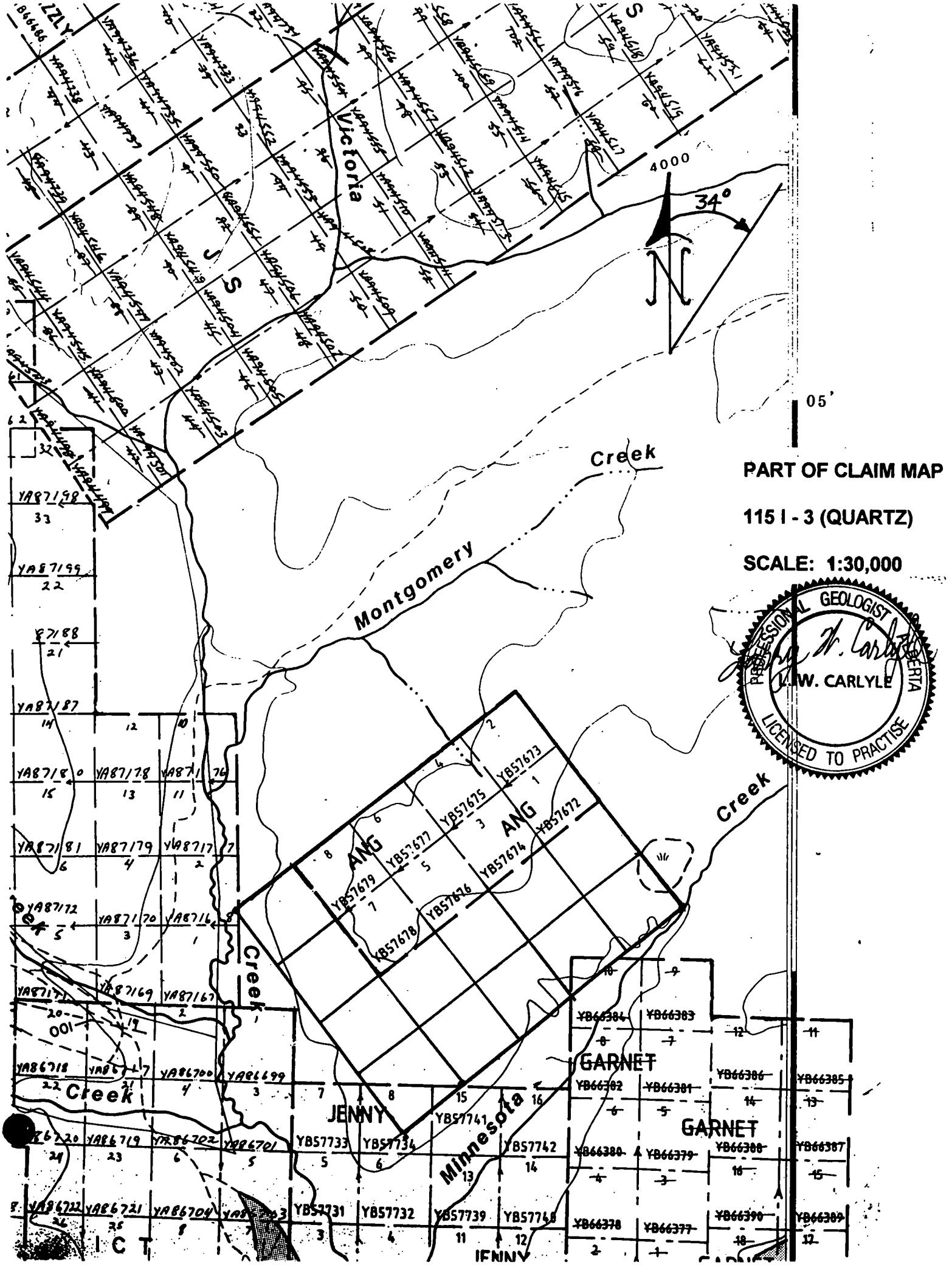




From Open File 1987 - 2
by Gerald G. Carlson

LOCATION MAP

Figure 1


PART OF CLAIM MAP
115 I - 3 (QUARTZ)
SCALE: 1:30,000
4000
34°
05'
Victoria
Creek
Montgomery
Creek
Creek
Creek
Creek
Minnesota
JENNY
JENNY
GARNET
GARNET
ANG
ANG
YB57673
YB57675
YB57672
YB57677
YB57674
YB57679
YB57676
YB57678
YB57741
YB57733
YB57734
YB57742
YB57731
YB57732
YB57739
YB57740
YB66384
YB66383
YB66382
YB66381
YB66386
YB66385
YB66380
YB66379
YB66388
YB66387
YB66378
YB66377
YB66390
YB66389
YA87198
YA87199
YA87188
YA87187
YA87180
YA87178
YA87176
YA87181
YA87179
YA87177
YA87172
YA87170
YA87169
YA87167
YA86718
YA86717
YA86700
YA86699
YA86720
YA86719
YA86702
YA86701
YA86722
YA86721
YA86704
PROFESSIONAL GEOLOGIST
PROVINCE OF ALBERTA
L.W. CARLYLE
LICENSED TO PRACTISE

These claim data have been confirmed at the Whitehorse Mining Recorder's Office. The claim map has been updated by the writer; since the government drafting personnel have not had the opportunity to do so.

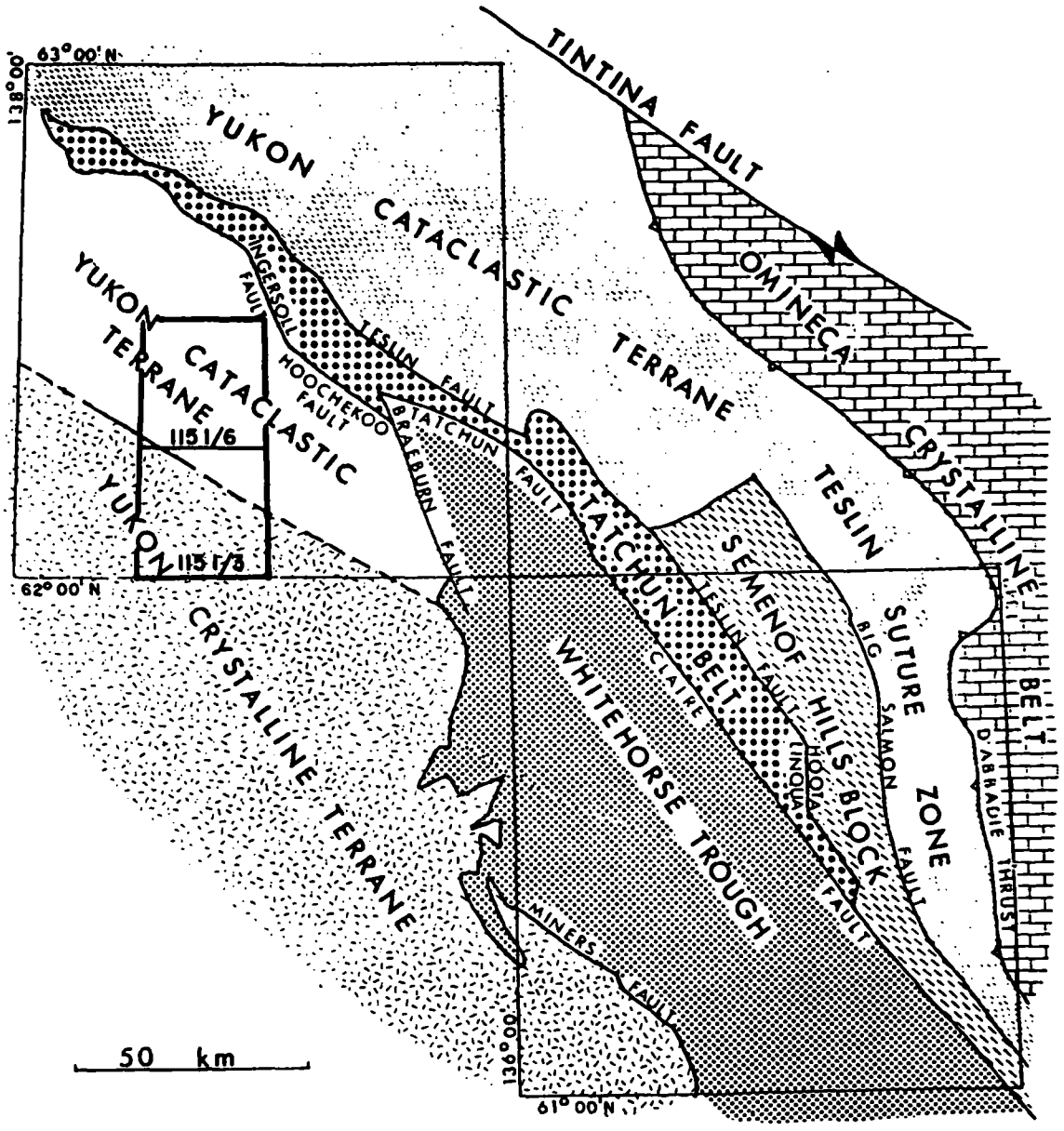
REGIONAL GEOLOGY:

The regional geology of the area has most recently been described by Gerald Carlson in "Geology of Mount Nansen (115-I/3) and Stoddart Creek (115-I/6) Map Areas"; in Indian and Northern Affairs Canada: Yukon Region, Open File 1987-2. This geology is summarized below.

The southern part of the Mt. Nansen Map Sheet, where the property is located, has basement rocks of the Yukon Crystalline Terrane which include metamorphosed and deformed sedimentary, volcanic and plutonic rocks of unknown age. The basement rocks have been intruded by two suites of foliated plutonic rocks, the Upper Triassic to Jurassic Klotassin Suite, mainly hornblende-biotite granodiorite; and the Jurassic Big Creek Suite, including K-feldspar porphyritic syenite, quartz syenite, and monzonite.

The Dawson Range Batholith intruded the area in the Early Cretaceous (106 Ma). It consists of the Casino Granodiorite and the localized Coffee Creek Granite. The Mount Nansen Volcanics are possibly cogenetic with these intrusives. The Mt. Nansen Volcanics are mainly andesite with lesser felsic components.

Carlson has identified the Bow Creek Granite which appears to be younger than the Mt. Nansen Volcanics since it appears to cut them. He describes it as being



TECTONIC SETTING

(AFTER TEMPELMAN-KLUIT, 1978)

From Open File 1987 - 2
by Gerald G. Carlson

Figure 2

a high level, granophyric pluton with related, peripheral quartz-feldspar porphyry dykes which may be as young as the Carmacks volcanism.

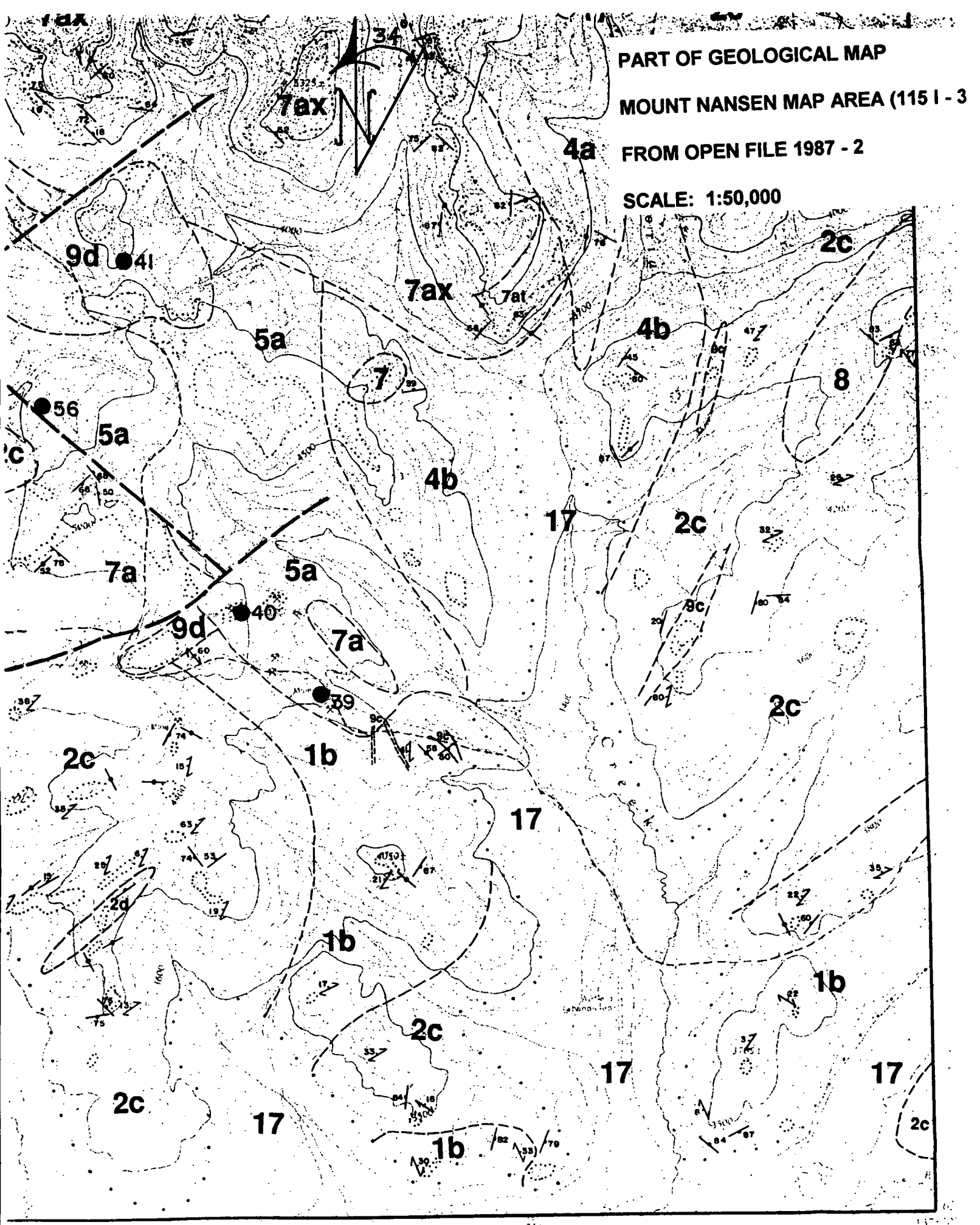
The Carmacks Volcanic Suite is Late Cretaceous (approx. 68 Ma.) in age and is relatively flat-lying. It has been divided into three units. The lowest unit consists of felsic pyroclastic rocks and associated glassy domes or plugs. The middle unit seems to be relatively thin in the map area and consists of andesite flows and pyroclastics with minor basalt. The upper unit consists mainly of basalt flows and has the most extensive exposure.

LOCAL GEOLOGY:

Carlson has mapped most of the area underlying the claims as being Unit 2c (See Geology Map). This unit is described as being a Paleozoic and older basement metamorphic complex consisting of biotite-quartz-feldspar schist, feldspar augen gneiss, amphibolite, minor quartzite, and marble.

A zone of Early Jurassic Mount Freegold Meta-Plutonic Suite (4b) is mapped as going under the alluvial cover near the northwest corner of the claim block. These rocks are mapped as being plagioclase-hornblende monzonite.

Carlson has mapped a zone of his newly described Bow Creek Granite (8) near the northeast corner of the claims. This granite is described as being pink weathering fine-grained biotite with minor chlorite. It is believed that this granite was located at the south end of Trench # 3.


PART OF GEOLOGICAL MAP
MOUNT NANSEN MAP AREA (115 I - 3
FROM OPEN FILE 1987 - 2
SCALE: 1:50,000
7ax
34
7ax
4a
9d
41
7ax
7at
2c
4b
5a
7
8
56
5a
4b
17
2c
7a
5a
9d
40
7a
9c
39
2c
1b
17
2d
1b
2c
1b
17
17
2c
17
1b
2c

Carlson has mapped a zone of quartz-feldspar porphyry dykes (9c) cutting directly through the portion of the claims in which the trenches lie. It is for this reason that the soil sampling and trenching were performed in this area. These dykes were mapped by this writer as quartz-feldspar gneiss in the trenches.

MINERALIZATION TYPES AND CONTROLS:

There are four types of mineral deposits recognized in the area: porphyries, veins, skarns, and placer. Most of the creeks in the area have seen some mining for their placer gold values. The porphyries are low grade copper-molybdenum deposits with local gold enrichment in their upper parts. Breccias with elevated precious metal values occur within the porphyries and also peripherally with quartz-feldspar porphyry dykes. Most of the mineralization in the claim area has been found in gold-silver quartz veins which occur in dilational fracture systems also peripheral to the porphyries. Gold-bearing iron-rich skarns have been located in calcareous meta-sediments of the Yukon Crystalline Terrane. Base metal-rich veins are rare and distal from the porphyries.

Four mineralization controls are recognized:

1. Proximity to the Big Creek Fault and the Minto Linear which are major regional structures which strike north-northeasterly through the area.

2. Local structures are important as hydrothermal channelways and vein sites. Most of these trend northwesterly to northeasterly.

3. The presence of a favourable host; these include Mt. Nansen volcanics, siliceous meta-sediments, and Casino Granodiorite.

4. Proximity to porphyry stocks or quartz-feldspar porphyry dykes.

1997 WORK PROGRAM:

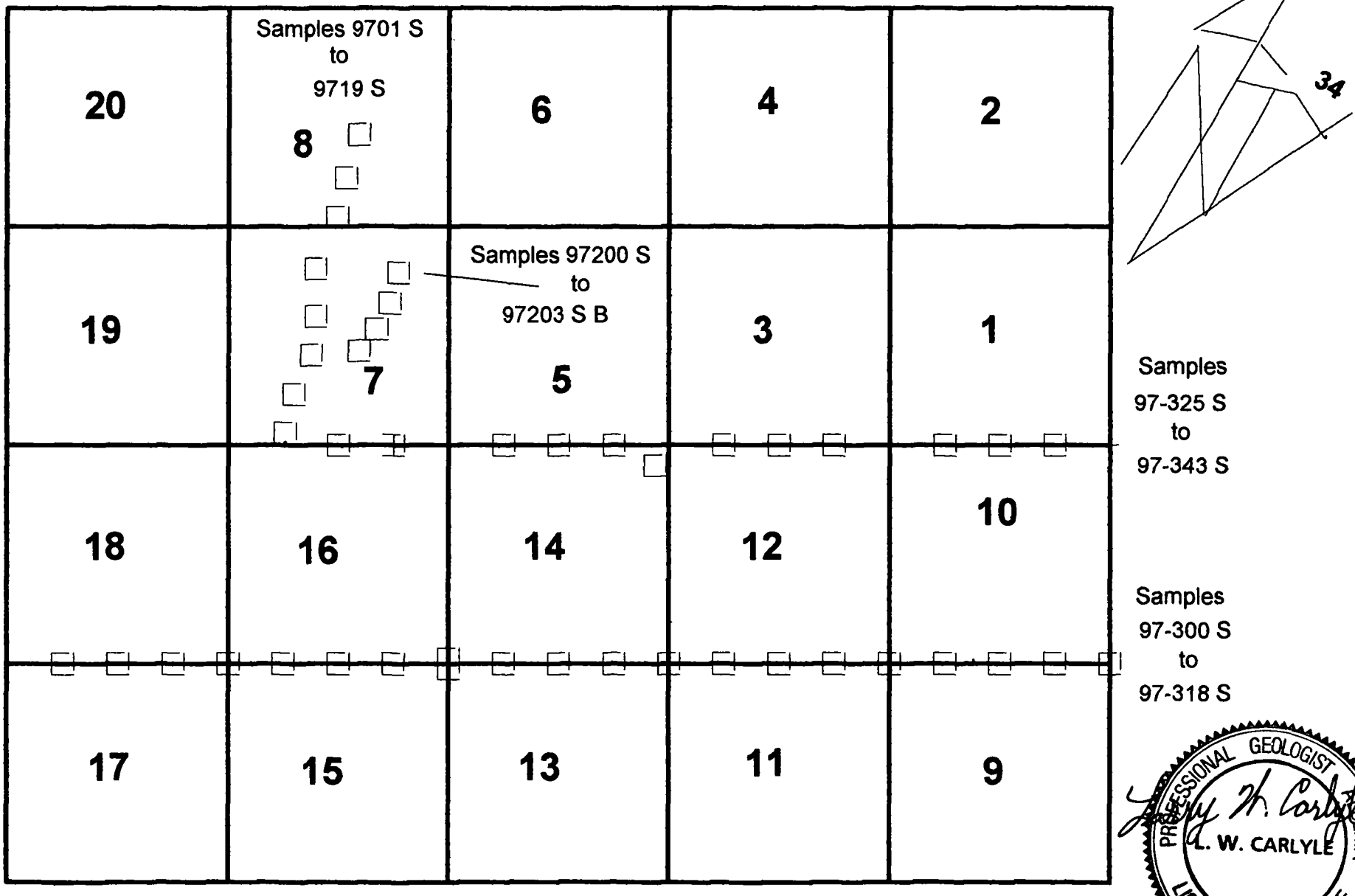
Work was performed on the ANG Claims on September 3 and 4, 1997. Trenches 1, 2, and 3 were mapped and sampled by the writer. Mr. Curley had taken a couple of samples from Trench 4 (assays included in this report). Five small backhoe test holes had been excavated but were frozen so were not sampled (See Trench Locations Drawing).

Soil Sampling Program:

This trenching had been directed by a couple of small soil sampling programs which Mr. Curley had completed earlier in the summer. The writer has included a drawing (Soil Sample Locations) showing the lines along which the soil samples were taken.

The first soil sampling were the long and short lines striking approximately north-south through ANG Claims 7 & 8. These samples were taken across the expected strike of the quartz-feldspar porphyry dyke mapped by Carlson. The samples in the long line started at the north end with Sample # 9701 S and went to Sample # 9719 S. These samples were taken at approximately 50 meter intervals. The short line started again at the north end with Sample # 97200 S and went to Sample 97203 S B (See Assay Value Table).

The second soil sampling program consisted of taking soil samples at approximately 100 metre spacings along a couple of the claim lines. The first line was the claim line between ANG 9 & 10. These samples started at the #1 Posts



PROFESSIONAL GEOLOGIST
L. W. CARLYLE
ALBERTA
LICENSED TO PRACTISE

for ANG 9 & 10 and went along the claim line toward the southwest. The samples were numbered 97-300 S to 97-318 S. The second line of soil samples was taken at the same spacings and in the same direction approximately along the claim line between ANG Claims 1 & 10. These samples were numbered 97-325 S to 97-343 S (See Soil Sample Locations Map).

ASSAY VALUE TABLE

Sample #	Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)
9701 S	5	8	11	28	7
9702 S	19	8	25	55	59
9703 S	<5	18	22	76	41
9704 S	5	12	18	53	26
9705 S	<5	11	9	36	<5
9706 S	86	12	12	42	24
9707 S	<5	48	11	88	45
9708 S	<5	19	8	64	41
9709 S	6	34	9	96	8
9710 S	10	19	54	111	<5
9711 S	10	9	7	133	<5
9712 S	8	12	7	58	<5
9713 S	15	14	9	75	6
9714 S	73	15	10	70	9
9715 S	89	28	11	183	18
9716 S	9	12	9	86	9
9717 S	<5	14	6	43	<5
9718 S	<5	16	6	110	9
9719 S	81	10	6	39	<5
97200 S	5	71	14	121	17
97201 S	36	25	9	62	19
97202 S	25	12	6	47	9
97203 S A	<5	10	6	38	<5
97203 S B	138	25	11	74	36

ASSAY VALUE TABLE

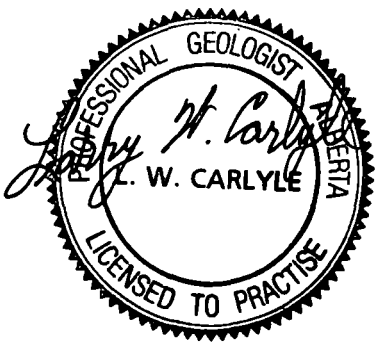
Sample #	Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)
97-300 S	<5	14	16	49	14
97-301 S	56	9	8	28	<5
97-302 S	75	12	6	46	13
97-303 S	16	9	7	32	<5
97-304 S	7	16	14	48	23
97-305 S	<5	11	5	32	15
97-306 S	<5	No Sample Found in bag.			
97-307 S	75	26	9	78	50
97-308 S	32	16	8	43	5
97-309 S	<5	14	8	42	9
97-310 S	31	11	8	36	<5
97-311 S	19	17	9	50	25
97-312 S	<5	8	7	36	8
97-313 S	<5	8	3	26	<5
97-314 S	<5	3	<2	21	<5
97-315 S	27	24	7	84	17
97-316 S	21	8	7	34	<5
97-317 S	10	25	15	49	36
97-318 S	16	42	7	80	51
97-325 S	25	17	10	59	<5
97-326 S	<5	No Sample Found in bag.			
97-327 S	<5	10	8	36	6
97-328 S	<5	15	15	48	10
97-329 S	<5	20	13	53	17
97-330 S	5	14	8	42	6
97-331 S	<5	10	13	37	6
97-332 S	<5	17	10	56	10
97-333 S	<5	14	7	53	15
97-334 S	21	16	10	46	8
97-335 S	<5	21	11	49	9
97-336 S	11	16	9	46	12
97-337 S	17	11	15	72	24
97-338 S	6	No Sample Found in bag.			
97-339 S	38	14	9	95	5
97-340 S	5	16	9	112	<5
97-341 S	13	12	9	52	8
97-342 S	<5	14	13	45	<5
97-343 S	14	11	8	37	<5

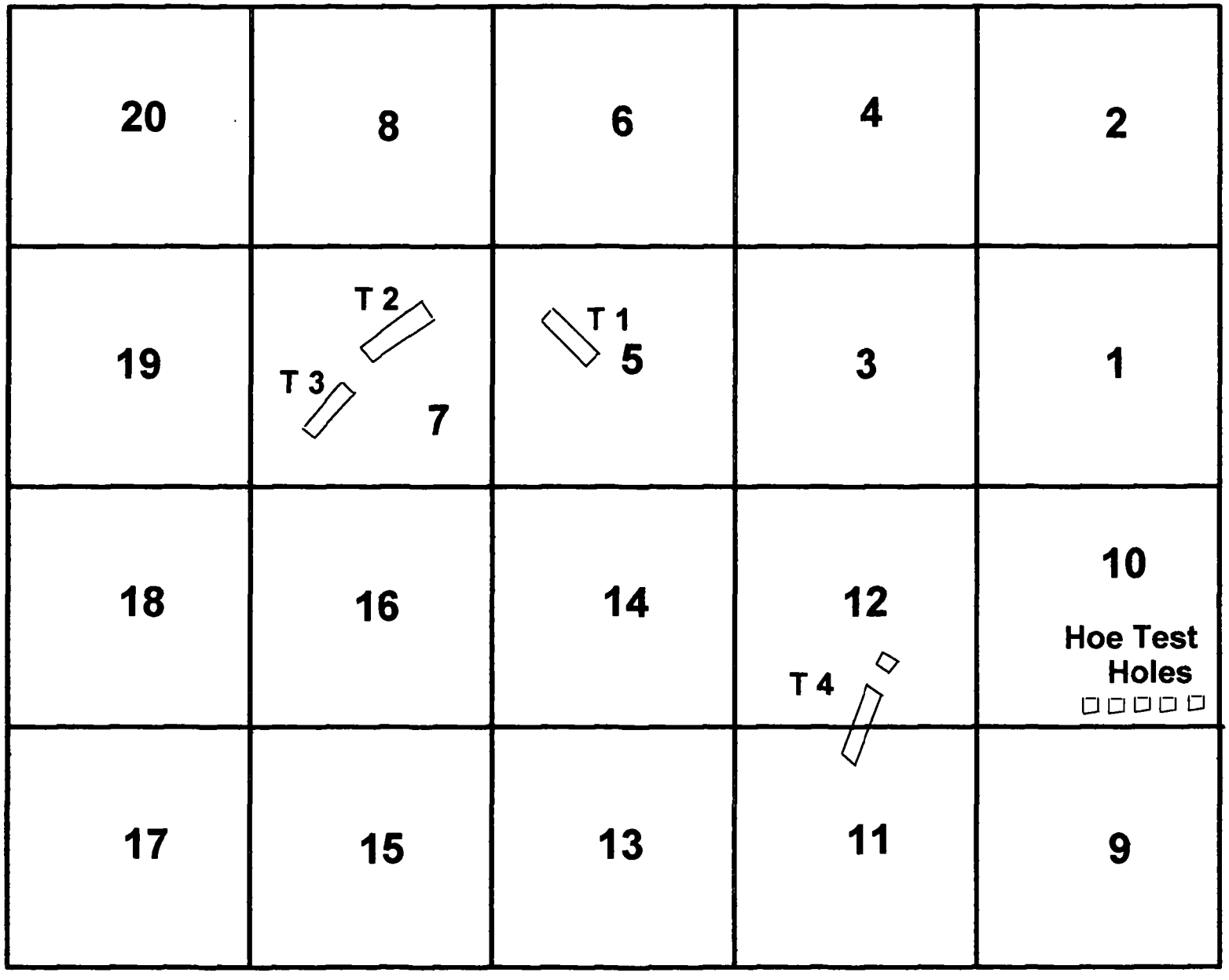
Trenching Program:

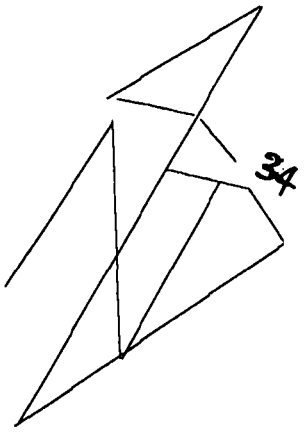
Trenches 1 to 3 were mapped and sampled by the writer. This mapping and sampling have been placed on the accompanying maps. These trenches were excavated with a backhoe having a bucket width of approximately 1.1 metres. The depth of each of these trenches was measured at 5 metre intervals down each trench to allow volume calculations.

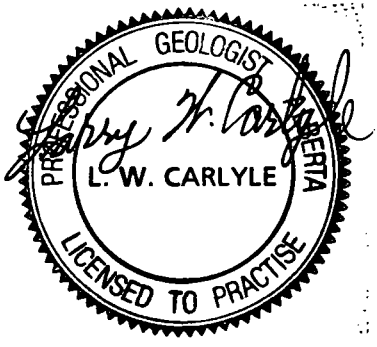
Trench # 1

Distance	Depth	Width	Volume (m^3)
0	0	1.1	0
5	1.2	1.1	6.6/2 = 3.3
10	1.7	1.1	9.3
11.2	1.0	1.1	1.3
15	0.9	1.1	3.8
20	0.9	1.1	4.9
25	1.2	1.1	6.6
30	1.7	1.1	9.3
35	1.9	1.1	10.4
40	2.1	1.1	11.5
45	1.7	1.1	9.3
50	1.9	1.1	10.4
55	1.5	1.1	8.2
60	1.5	1.1	8.2
65	1.7	1.1	9.3
70	1.5	1.1	8.2
75	1.4	1.1	7.7
80	1.6	1.1	8.8
85	1.0	1.1	5.5
90	0.6	1.1	3.3
95	1.1	1.1	6.0
			145.3 m^3/0.76 = 191.2 yd^3









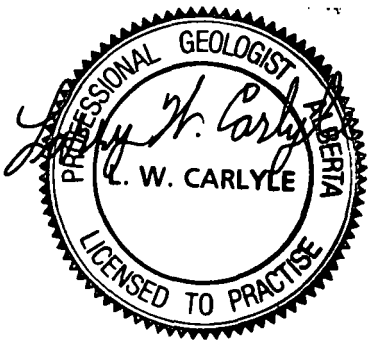
ANG Claims
Trench Locations

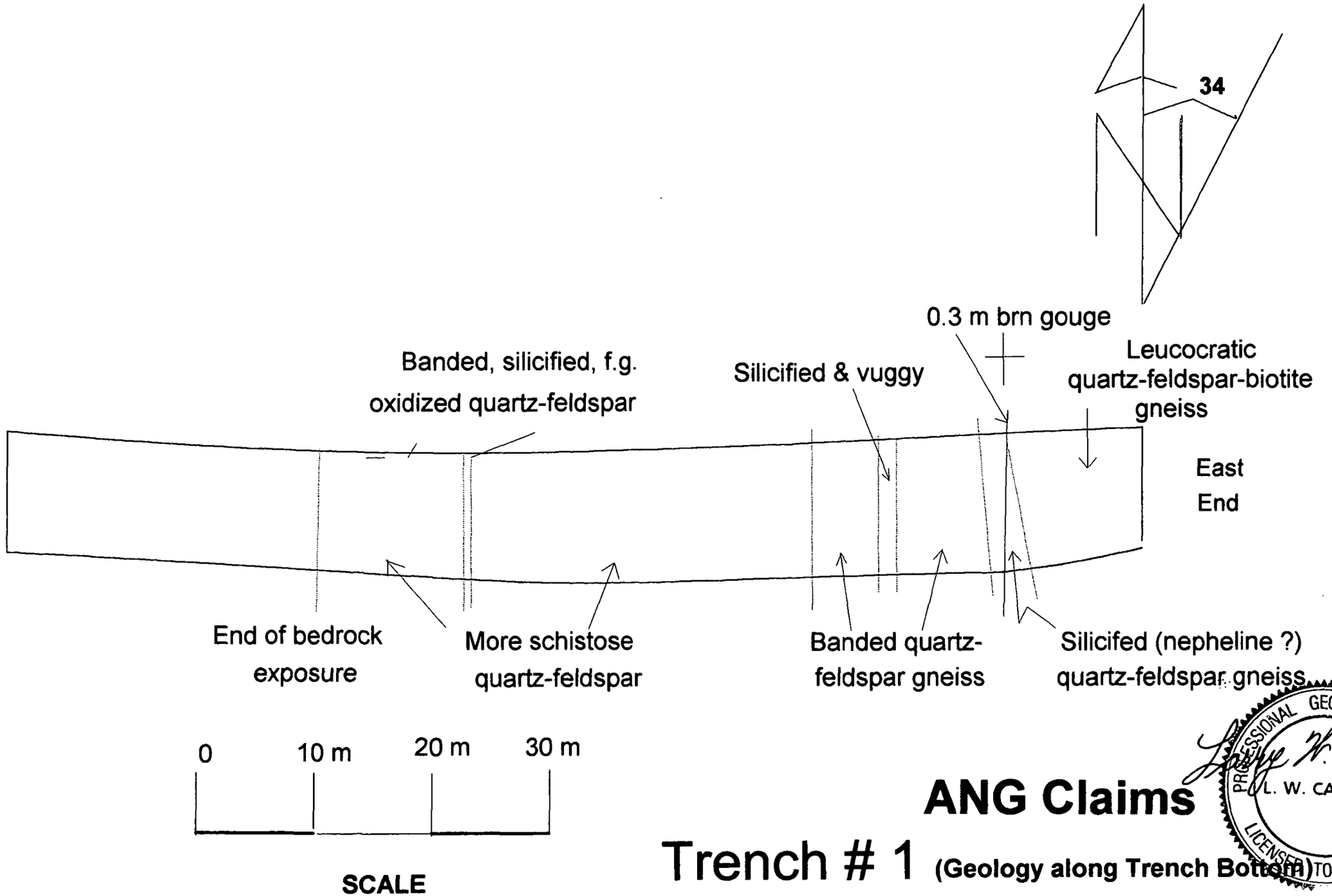
Trench # 2

Distance	Depth	Width	Volume (m^3)
0	0	1.1	0
5	2.0	1.1	11.0/2 = 5.5
10	2.0	1.1	11.0
15	1.9	1.1	10.4
20	2.3	1.1	12.6
25	2.0	1.1	11.0
30	1.8	1.1	9.9
35	1.6	1.1	8.8
40	1.5	1.1	8.2
45	1.3	1.1	7.1
50	1.8	1.1	9.9
55	2.0	1.1	11.0
60	2.3	1.1	12.6
65	2.0	1.1	11.0
70	1.9	1.1	10.4
75	1.5	1.1	8.2
80	2.0	1.1	11.0
85	1.8	1.1	9.9
90	1.6	1.1	8.8
95	1.8	1.1	9.9
97	1.3	1.1	2.9
			190.1 m^3 /0.76 = 250.1 yd^3

Trench # 3

Distance	Depth	Width	Volume (m^3)
0	0	1.1	0
5	1.6	1.1	8.8/2 = 4.4
10	1.6	1.1	8.8
15	1.6	1.1	8.8
20	1.6	1.1	8.8
25	1.6	1.1	8.8
30	1.4	1.1	7.7
35	1.5	1.1	8.2
40	1.5	1.1	8.2
45	1.8	1.1	9.9
50	1.8	1.1	9.9
55	1.6	1.1	8.8
60	1.6	1.1	8.8
65	1.4	1.1	7.7



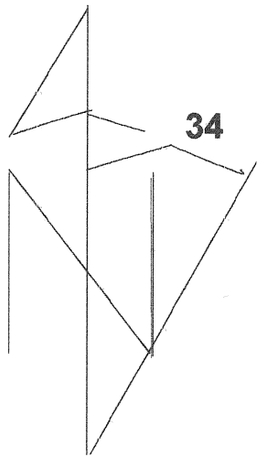


PROFESSIONAL GEOLOGIST
L. W. CARLYLE
LICENSED TO PRACTISE

ANG Claims

Trench # 1 (Geology along Trench Bottom)

Trench is 115 m. N95E of #1 Posts of ANG 7 & 8



Sample Number
Au(ppb), Cu(ppm), As(ppm)
Sample Width (m)

T1 - 6
7, 7, 31
Grab (5 m)

T1 - 5
6, 33, 360
0.9

T1 - 3
<5, 17, 81
1.5

T1 - 2
5, 15, 86
0.3

East
End

End of bedrock
exposure

T1 - 4
47, 25, 647
0.6

T1 - 1
<5, 10, 27
1.2

0 10 m 20 m 30 m

SCALE

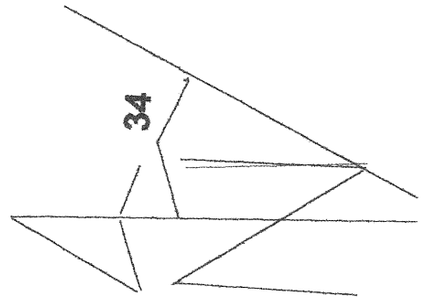
PROFESSIONAL GEOLOGIST ALBERTA
L. W. CARLYLE
LICENSED TO PRACTISE

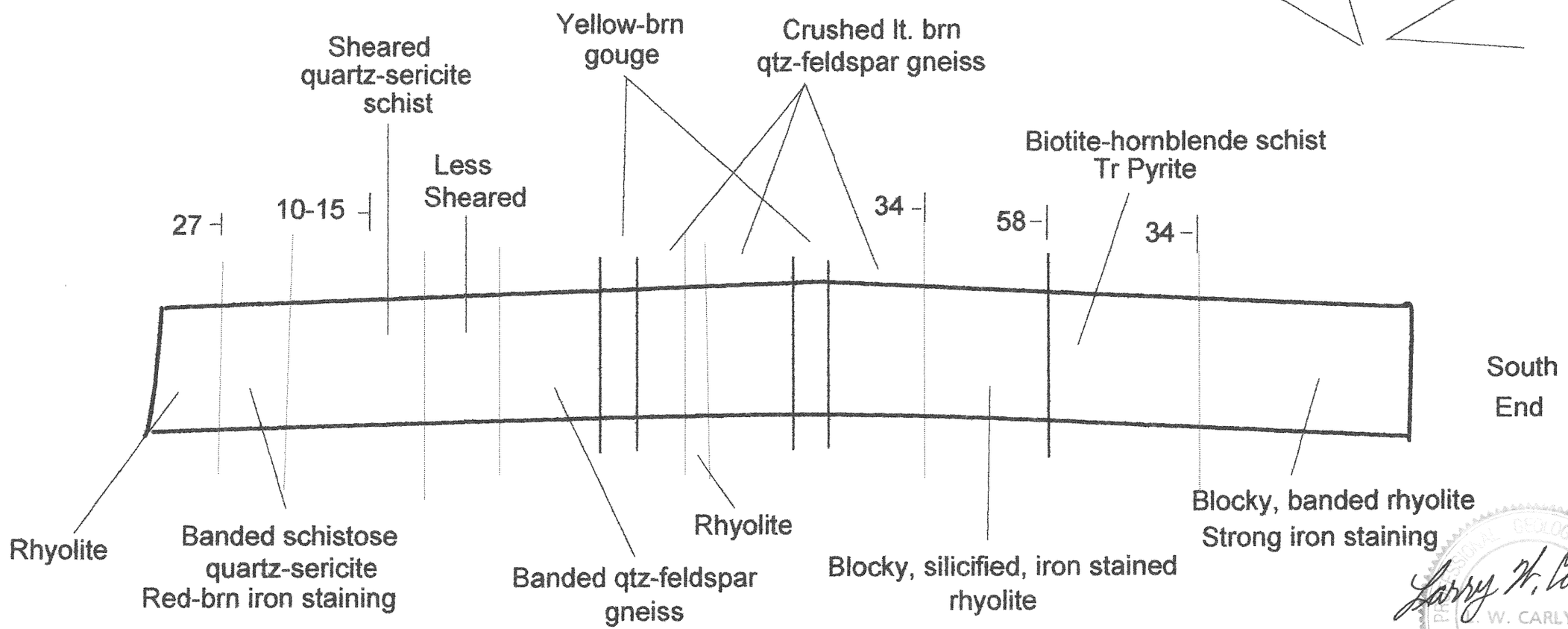
ANG Claims

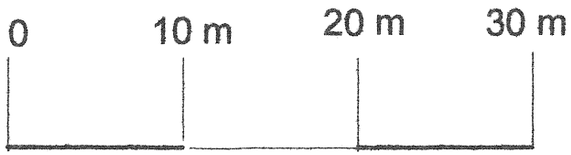
Trench # 1 (Sample Assay Results)

Trench is 115 m. N95E of #1 Posts of ANG 7 & 8

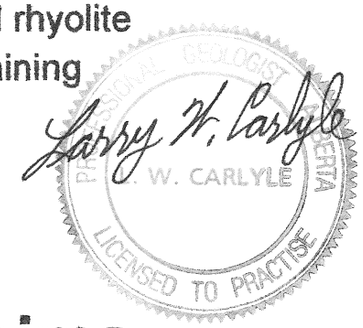
Trench Strikes S5E







SCALE



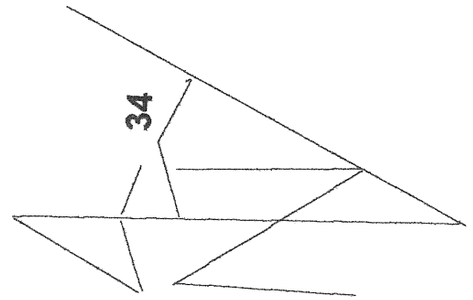
ANG Claims

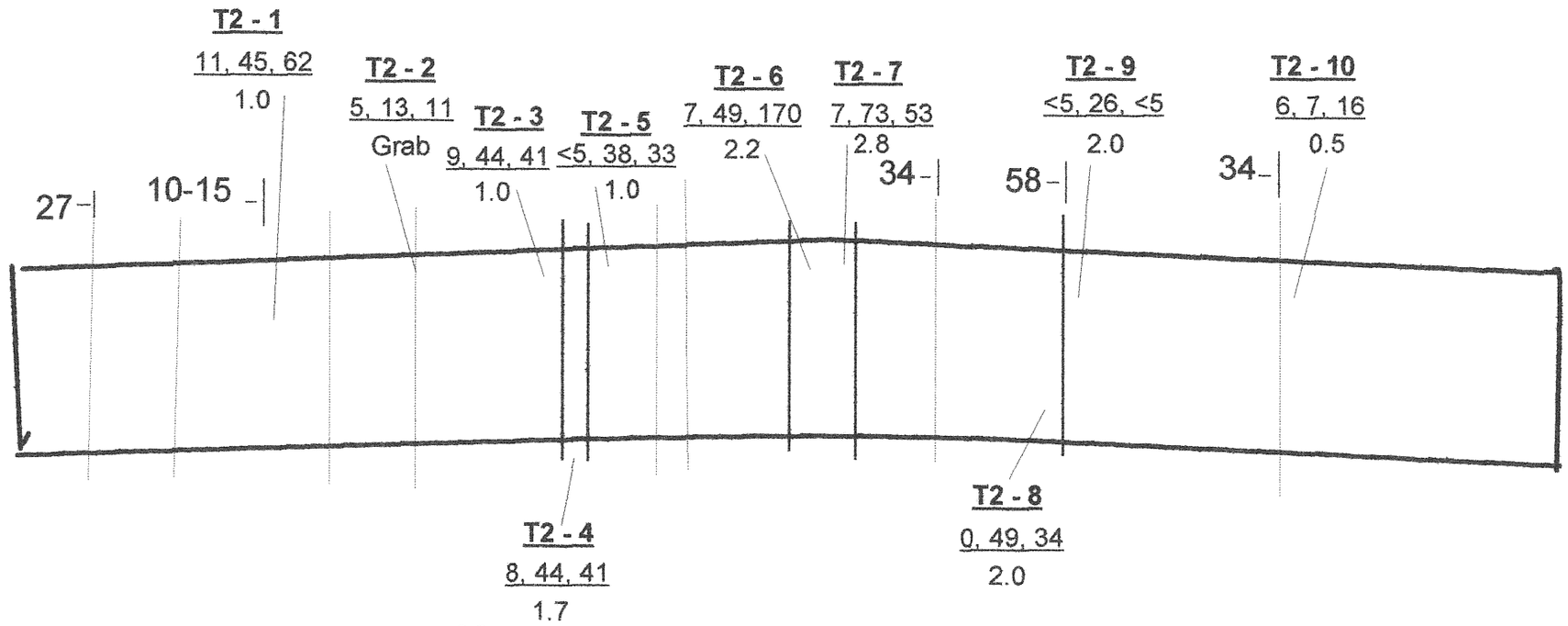
Trench # 2 (Geology along Trench Bottom)

Trench is 190 m. S35W of #1 Posts of ANG 7 & 8

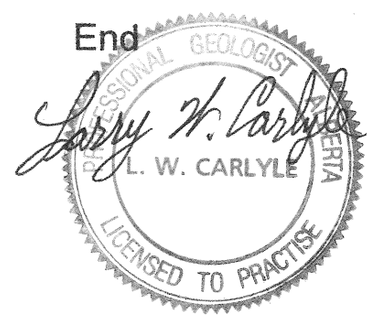
Trench Strikes S5E

Sample Number
Au(ppb), Cu(ppm), As(ppm)
Sample Width (m)





SCALE

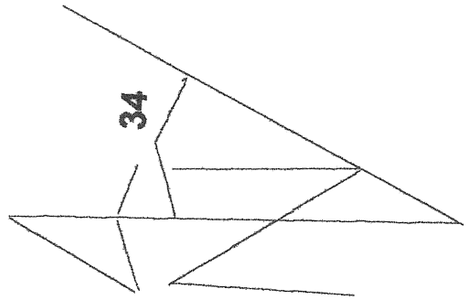


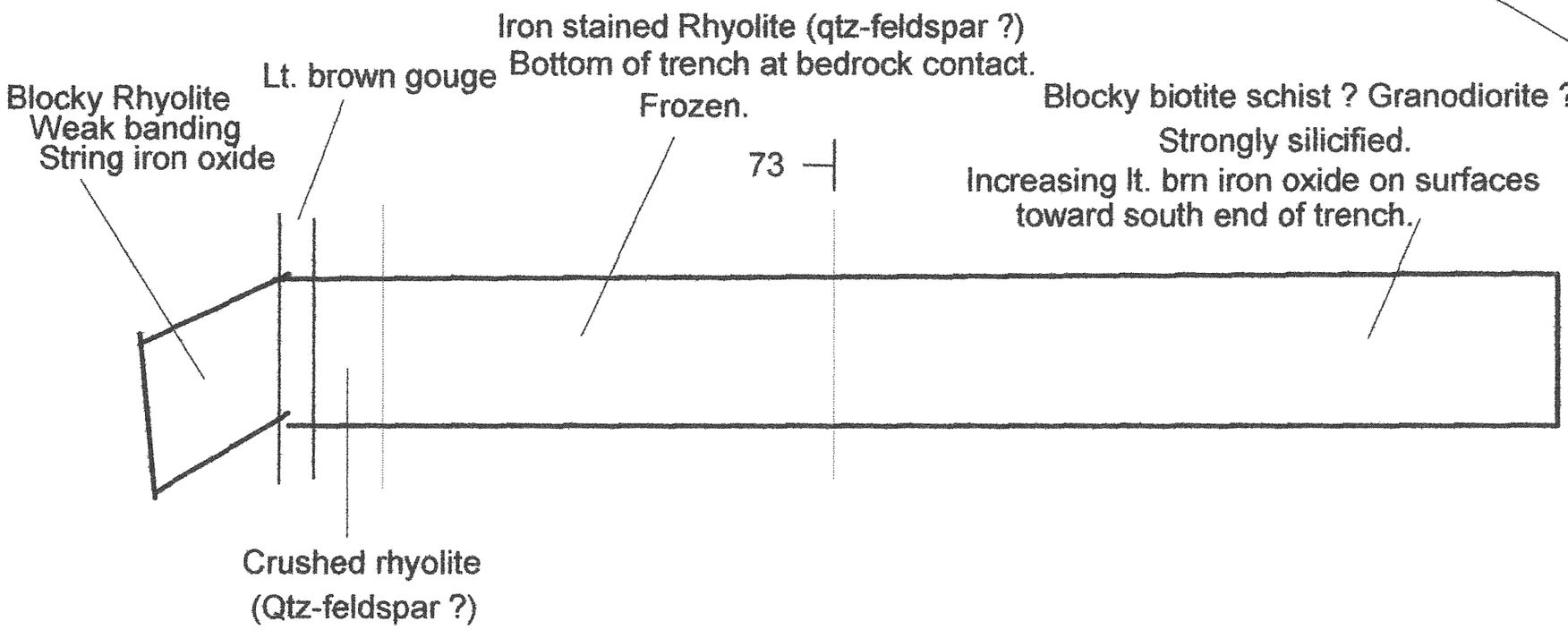
ANG Claims

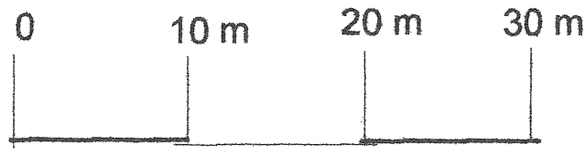
Trench # 2 (Sample Assay Results)

Trench is 190 m. S35W of #1 Posts of ANG 7 & 8

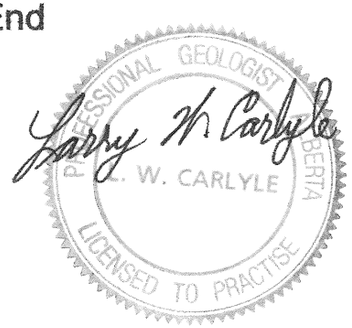
Trench Strikes S7W







SCALE



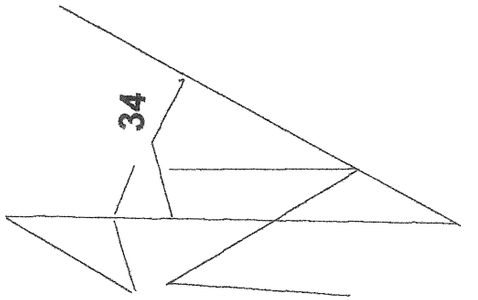
ANG Claims

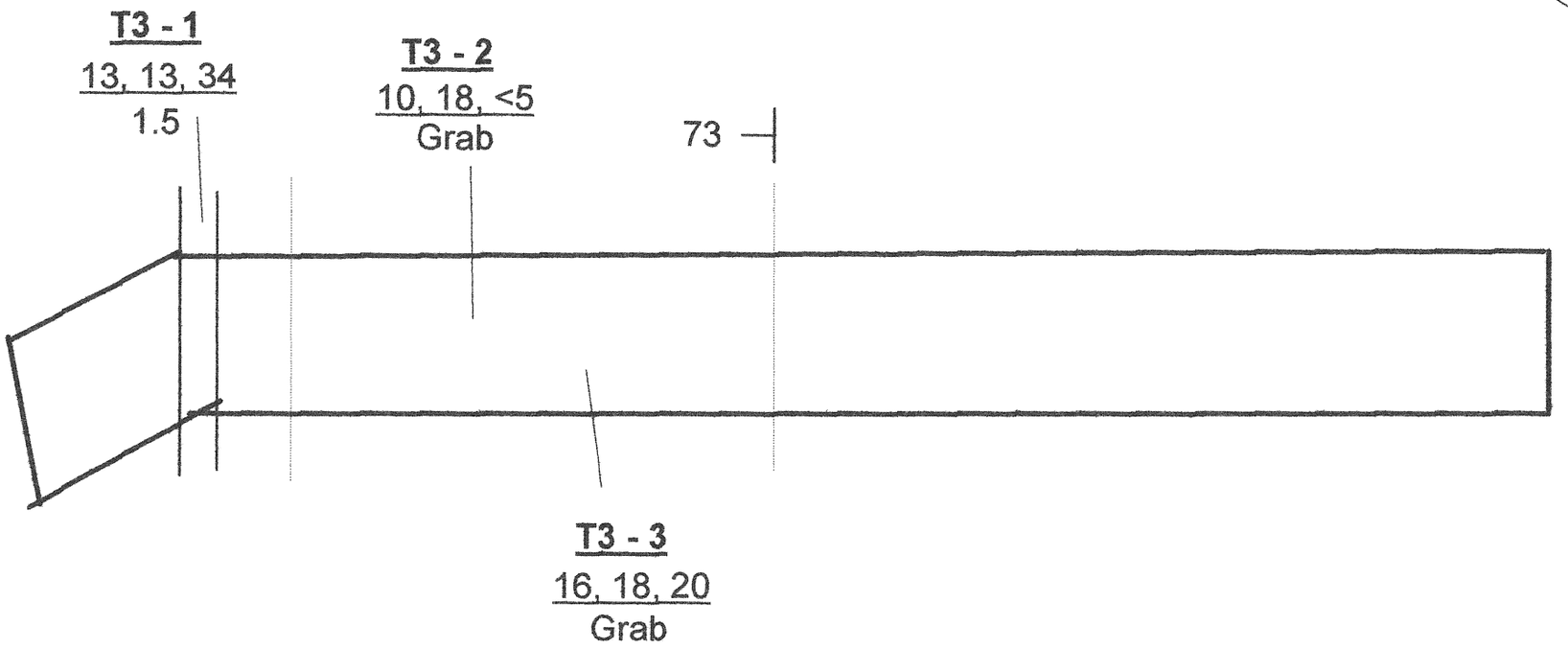
Trench # 3 (Geology along Trench Bottom)

Trench is 130 m. S10W of Trench # 2

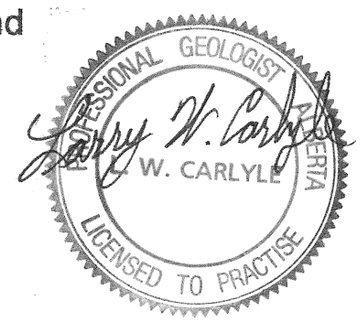
Trench Strikes S7W

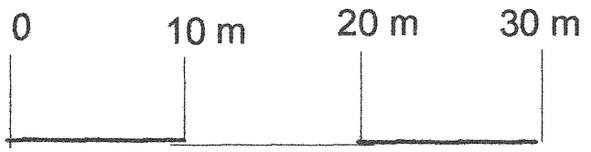
Sample Number
Au(ppb), Cu(ppm), As(ppm)
Sample Width (m)





South End





SCALE

ANG Claims

Trench # 3 (Sample Assay Results)

Trench is 130 m. S10W of Trench # 2

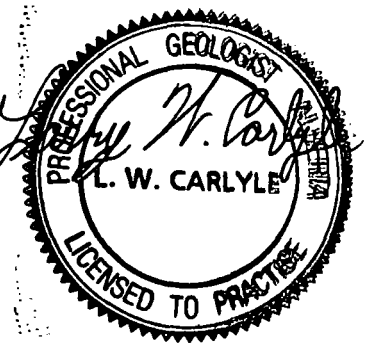
Trench # 3

Distance	Depth	Width	Volume (m^3)
70	1.5	1.1	8.2
75	1.4	1.1	7.7
80	1.5	1.1	8.2
85	1.5	1.1	8.2
89	1.5	1.1	6.6
			147.7 m^3/0.76 = 194.3 yd^3

Trench # 4 and the Hoe Test Holes dimensions were estimated by Mr. Curley and appear to be accurate to the writer.

Trench # 4

Length	Depth	Width	Volume (m^3)
18.3	1.8	1.1	**36.2 m^3/0.76 = 47.6 yd^3**



Hoe Test Holes

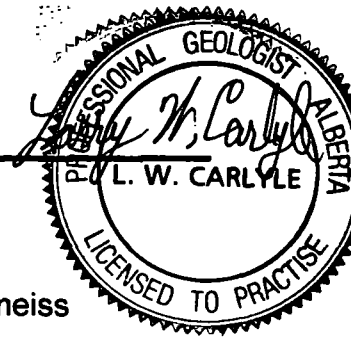
Length	Depth	Width	Volume (m^3)
4.6	1.8	1.1	**9.1 m^3 X 5 = 45.5 m^3/0.76 = 59.9 yd^3**

CONCLUSIONS:

1. The soil sampling done on the claims returned generally low gold values; the highest being 138 ppb. from Sample 97203 S B. There appears to be a weak correlation between gold values and copper, zinc, arsenic and occasionally antimony values as would be expected from an epithermal vein deposit.
2. The samples taken from the trenches also returned low gold values; the highest being 47 ppb. from Sample T1-4. The same weak correlation with copper, zinc, arsenic, and antimony values exists. It should be noted that

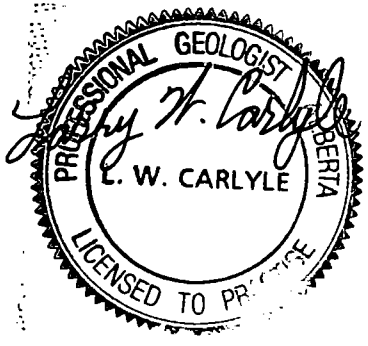
TRENCH SAMPLE DESCRIPTION TABLE

Sample Number	Distance (m)	Width (m)	Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Description
Trench # 1								
T1-1	8.6	1.2	<5	10	48	53	27	Silicified qtz-feldspar gneiss
T1-2	9.8	0.3	5	15	50	90	86	Brown gouge
T1-3	9.8	1.5	<5	17	12	69	81	Silicified qtz-feldspar gneiss
T1-4	18.5	0.6	47	25	8	66	647	Banded, silicified & vuggy qtz-feldspar + iron & manganese stain
T1-5	49.0	0.9	6	33	9	101	360	Banded, silicified, f.g. qtz-feldspar + iron & manganese stain
T1-6	67.0	Grab (5 m)	7	7	21	22	31	Rhyolite. Nepheline Syenite ?
Trench # 2								
T2-1	15.0	1.0	11	45	27	100	62	Crushed sericite-qtz schist. Strong iron stain. Trace manganese staining.
T2-2	25.0	Grab	5	13	4	16	11	Quartz float ? Strong iron f.f. Trace pyrite.
T2-3	32.6	1.0	9	55	7	72	52	Silicified qtz-feldspar gneiss.
T2-4	33.6	1.7	8	44	12	64	41	Yellow-brown gouge.
T2-5	35.3	1.0	<5	38	9	69	33	Crushed lt. brn. qtz-feldspar gneiss.



TRENCH SAMPLE DESCRIPTION TABLE

Sample Number	Distance (m)	Width (m)	Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Description
Trench # 2								
T2-6	47.8	2.2	7	49	11	115	170	Yellow to brown gouge.
T2-7	50	2.8	7	73	15	154	53	Yellow to brown gouge.
T2-8	64.5	2.0	0	49	8	92	34	Blocky silicified Rhyolite. Strong iron staining.
T2-9	66.5	2.0	<5	26	6	88	<5	Blocky biotite-hornblende schist. Trace pyrite. Some Rhyolite ?
T2-10	81.1	0.5	6	7	<2	21	16	Silicified rhyolite. Strong iron f.f. Oxidized pyrite.
Trench # 3								
T3-1	8.0	1.5	13	13	9	86	34	Lt. brown gouge.
T3-2	26.5	Grab	10	18	6	91	<5	Silicified Rhyolite.
T3-3	31.8	Grab	16	18	4	52	20	Silicified Rhyolite. Quartz-feldspar gneiss ?
Trench # 4								
T4-1		Grab	9	65	<2	35	45	
T4-2		Grab	12	43	2	37	36	



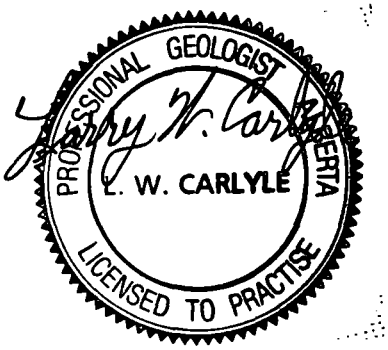
this value came from a sample of silicified, vuggy (miarolitic) banded quartz-feldspar gneiss. Because of its weak banded (lineations) this writer chose to call it a gneiss; it seems that Mr. Carlson calls this rock a quartz-feldspar porphyry.

3. Mr. Carlson believes that the quartz-feldspar porphyries, and possibly the Bow Creek Granite may represent feeders or magma reservoirs for the Carmacks Volcanics [68 Ma](Open File 1987-2, pg. 65). Both of these units have been located on the claim block. Most importantly is the existence of the porphyry dykes which are closely associated with most known gold deposits.

4. The presence of the porphyry dykes and Bow Creek Granite has further importance since these rocks are relatively brittle and would hold an open fracture. Fractures are considered important as a focus for hydrothermal fluids in this region. The proximity of the claims to the Brown-McDade and Heustis-Webber quartz-gold veins presently being mining by BYG Natural Resources Ltd. suggests that this mineral deposition model would offer the greatest chance for success during exploration of the property.

RECOMMENDATIONS:

1. Sample T1-4 which returned a 47 ppb. gold value with 647 ppm. arsenic may be the indication of a structure which, if followed both to the north and south, may widen and produce higher grade gold values.



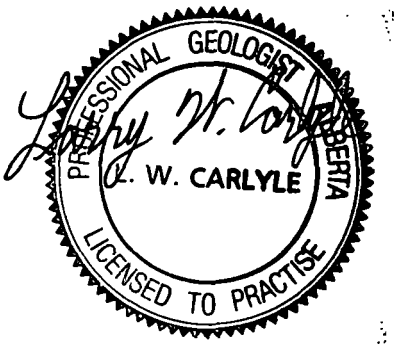
2. The soil sampling done by Mr. Curley to help direct the trenching appears to have been an appropriate technique. More lines of soil sampling and possibly some lines of ground VLF-EM located to run perpendicular to the strike of the porphyry dykes and the Bow Creek Granite (See Geology Map) may prove useful in locating mineralized quartz-gold veins. Samples 9701 S to 9719 S and 97200 S to 97203 S B seem to approximate the correct direction. Similar lines of soil sampling should be done further toward the northeast in the claim block to locate potential vein fractures in the porphyry dykes and the Bow Creek Granite.

3. Mr. Carlson (O. F. 1987-2, pg. 53) indicates that a study of aerial photographs and topographic base maps reveals numerous linears, trending mainly northeasterly and northwesterly. It is not clear whether these linears form ridges or troughs; it seems likely that troughs are most probable. Several troughs exist on the ANG Claims. Soil sampling and/or VLF-EM lines across them may demonstrate the existence of vein-faults in them.

REFERENCES:

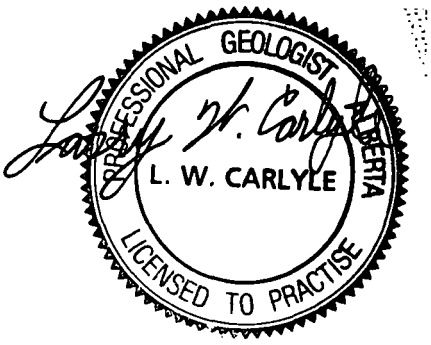
Bostock, H.S., (1956) **"Carmacks District, Yukon"** GSC Memoir 189

Carlson, G.G., **"Geology of Mount Nansen (115 I/3) and Stoddart Creek (115 I/6) Map Areas"** Open File 1987-2, Indian and Northern Affairs Canada



1997 STATEMENT OF COSTS: (See Appendix B for Invoices)

Field Assistant [R. Charlebois] (2 days @ $100.00/day)		$ 200.00
Field Assistant [G. Cochrane] (2 days @ $100.00/day)		$ 200.00
(Invoice for 4 days of work but 2 days spent on prospecting)		
Curley Wages (See Invoice)		$ 2000.00
Carlyle Field Work (2 days @ $300./day - includes vehicle)		$ 600.00
Room and Board:	June 17 - 19/97 (2 people @ $60/day ea.)	$ 360.00
	Aug. 7 - 8/97 (2 people @ $60/day ea.)	$ 240.00
	Aug. 29 - 31/97 (3 people @ $60/day ea.)	$ 540.00
	Sept. 3 - 4/97 (2 people @ $60/day ea.)	$ 240.00
Excavator Rental (See Invoice)		$ 2311.20
Representation Work (Trench Volumes @ $1.00/yd^3)		$ 743.10
Assaying (See Invoices)		$ 1909.69
Assaying not from this project (5 samples)		- $ 105.00
Vehicle Mileage (See Invoice)		$ 686.00
ATV Rental (See Invoice)		$ 3140.00
Report Writing (6 days @ $100./day - includes office supplies)		$ 600.00
Field Supplies		$ 76.90
	Total	**$13741.89**



STATEMENT OF QUALIFICATIONS

I, LARRY W. CARLYLE, do certify:

1. That I am a professional geologist; resident at 74 Tamarack Drive, Whitehorse, Yukon Y1A 4Y6.

2. That I hold a B. Sc. Degree in geology from the University of British Columbia (1970).

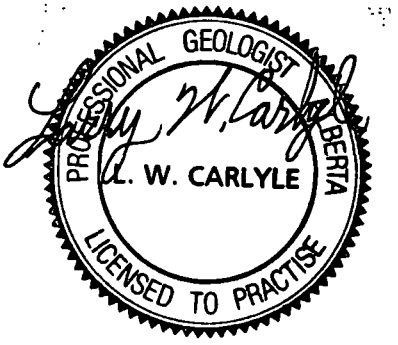
3. That I am a Fellow of the Geological Association of Canada (F - 4355).

4. That I am a Registered Professional Geologist in the Association of Professional Engineers, Geologists, and Geophysicists of the Province of Alberta (41097).

5. That I have practiced my profession as a mine and exploration geologist for twenty years.

6. The conclusions and recommendations in the attached report are based on work I performed on the property, and on a review of the references cited.

DATED at Whitehorse, Yukon, this 17th day of October, 1997.



APPENDIX A

ANALYTICAL CERTIFICATES

Northern Analytical Laboratories ltd.

17/09/97 Assay Certificate Page 1

Eugene Curly WO# 07911

Certified by

Sample #	Au ppb
G9701-R	45
G9702-R	100
G9703-R	8
MINC-1	10
T1-1	<5
T1-2	5
T1-3	<5
T1-4	47
T1-5	6
T1-6	7
T2-1	11
T2-2	5
T2-3	9
T2-4	8
T2-5	<5
T2-6	7
T2-7	7
T2-8	0
T2-9	<5
T2-10	6
T3-1	13
T3-2	10
T3-3	16
T4-1	9
T4-2	12
WOLF-1	13

105 Copper Road Whitehorse YT Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890

INTERNATIONAL PLASMA LABORATORY LTD.

2036 Columbia t
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICATE ANALYSIS
iPL 97I0911

Client : Northern Analytical Laboratories
Project: PO#332333 WO#7911

26 Samples
26=Pulp

[091112:28:49:79092297]

Out: Sep 22, 1997
In : Sep 15, 1997

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
G9701R	P	2.0	20	48	59	2077	<	<	5	<	85	0.3	17	9	415	<	64	25	1167	4	93	2	6	<	0.23	4.57	3.30	0.32	0.15	0.01	0.03
G9702R	P	0.2	74	6	43	60	<	<	2	<	<	0.2	9	3	87	<	33	66	681	8	63	1	12	<	0.52	2.13	3.75	0.48	0.11	0.04	0.19
G9703R	P	0.2	7	14	51	67	5	<	1	<	<	0.2	3	3	529	<	86	6	193	11	14	3	1	<	0.28	0.13	0.88	0.04	0.14	0.02	0.02
MINC-1	P	14.6	24	1483	6	<	6	<	1	<	23	<	1	2	114	<	193	2	48	<	3	<	<	<	0.03	0.02	0.41	<	<	0.01	<
T1-1	P	0.3	10	48	53	27	7	<	1	<	<	0.2	2	6	127	<	75	13	214	3	18	1	1	<	0.26	0.20	0.78	0.04	0.04	0.03	0.03
T1-2	P	0.2	15	50	90	86	19	<	1	<	<	0.2	3	14	251	<	62	12	562	4	11	1	3	<	0.67	0.23	1.70	0.11	0.04	0.02	0.04
T1-3	P	0.2	17	12	69	81	10	<	1	<	<	0.1	3	7	75	<	60	17	136	4	9	1	2	<	0.45	0.16	1.02	0.02	0.04	0.01	0.05
T1-4	P	0.1	25	8	66	647	60	8	13	<	<	0.1	6	19	434	<	110	14	99	3	26	1	3	<	0.29	0.08	1.24	0.01	0.05	0.01	0.03
T1-5	P	0.2	33	9	101	360	16	<	4	<	<	0.7	8	35	89	<	135	40	267	6	26	1	4	<	0.27	0.07	2.22	0.03	0.09	0.01	0.02
T1-6	P	<	7	21	22	31	8	<	3	<	<	0.1	2	3	968	<	92	3	121	8	17	12	1	<	0.34	0.02	0.61	0.02	0.21	0.01	<
T2- 1	P	0.3	45	27	100	62	21	<	4	<	<	<	13	62	570	<	85	35	631	10	43	2	6	<	0.34	0.09	4.11	0.08	0.18	0.01	<
T2- 2	P	0.1	13	4	16	11	<	<	1	<	<	0.1	2	12	178	<	172	7	152	3	13	1	1	<	0.12	0.15	0.87	0.09	0.05	0.02	<
T2- 3	P	0.1	55	7	72	52	20	<	2	<	<	0.4	10	45	121	<	171	44	411	11	26	1	6	<	0.41	0.28	2.76	0.12	0.09	0.01	0.05
T2- 4	P	0.1	44	12	64	41	8	<	1	<	<	0.4	9	24	144	<	94	22	372	17	12	1	4	<	0.54	0.20	2.01	0.10	0.13	0.03	0.06
T2- 5	P	0.1	38	9	69	33	11	<	2	<	<	0.4	7	32	159	<	94	18	375	15	14	1	3	<	0.38	0.17	2.27	0.06	0.15	0.01	0.05
T2- 6	P	0.1	49	11	115	170	30	<	3	<	<	0.1	12	46	127	<	84	31	466	14	23	2	5	<	0.36	0.15	3.14	0.05	0.13	0.01	0.05
T2- 7	P	0.1	73	15	154	53	5	<	2	<	<	0.2	14	45	105	<	58	66	128	24	20	1	8	<	0.87	0.37	3.44	0.18	0.15	0.01	0.13
T2- 8	P	0.1	49	8	92	34	9	<	2	<	<	0.6	10	17	183	<	94	57	364	13	13	1	8	<	0.62	0.30	2.88	0.17	0.11	0.02	0.06
T2- 9	P	0.1	26	6	88	<	<	<	1	<	<	<	14	5	358	<	58	83	783	13	15	1	12	0.14	1.27	0.66	3.79	0.87	0.64	0.06	0.12
T2-10	P	0.1	7	<	21	16	<	<	1	<	<	0.1	2	1	480	<	94	3	262	18	11	2	1	<	0.18	0.65	0.62	0.04	0.17	0.01	<
T3-1	P	<	13	9	86	34	7	<	2	<	<	0.5	9	5	295	<	55	24	828	15	8	1	7	<	0.58	0.25	2.95	0.15	0.22	0.02	0.06
T3-2	P	0.1	18	6	91	<	9	<	3	<	<	1.1	21	4	1690	<	33	77	1796	5	162	1	11	0.01	0.45	10%	5.69	1.92	0.16	0.02	0.03
T3-3	P	<	18	4	52	20	6	<	1	<	<	<	10	5	166	<	73	47	984	2	13	1	10		<	0.28	1.14	3.14	0.09	0.11	0.01	0.02
T4-1	P	<	65	<	35	45	12	<	1	<	<	0.4	9	3	1717	<	98	22	554	19	21	1	5	<	0.31	0.88	2.82	0.09	0.06	0.04	0.02
T4-2	P	0.1	43	2	37	36	5	<	1	<	<	0.5	9	4	87	<	62	28	373	28	8	2	7	<	0.43	0.39	2.97	0.07	0.06	0.02	0.03
WOLF-1	P	0.2	23	22	113	7	<	<	2	<	<	1.0	10	20	169	<	18	28	544	19	95	3	3	0.03	1.06	4.02	2.37	0.79	0.17	0.03	0.09
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % P=Pulp

Northern Analytical Laboratories ltd.

09/07/97 Assay Certificate Page 1

Eugene Curley WO# 07824

Certified by

Sample #	Au ppb
9701 S	5
9702 S	19
9703 S	<5
9704 S	5
9705 S	<5
9706 S	86
9707 S	<5
9708 S	<5
9709 S	6
9710 S	10
9711 S	10
9712 S	8
9713 S	15
9714 S	73
9615 S	89
9616 S	9
9717 S	<5
9718 S	<5
9719 S	81
97200 S	5
97201 S	36
97202 S	25
97203 S A	<5
97203 S B	138

105 Copper Road, Whitehorse, YT, Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890

INTERNATIONAL PLASMA LABORATORY LTD.

2036 Columbia
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICATE ANALYSIS
iPL 97G0559

Northern Analytical Laboratories **24 Samples** Out: Jul 07, 1997 In: Jul 02, 1997 [055916:42:28:79070797]

Project : W/O 7824
Shipper : Norm Smith
Shipment: PO#: 332320
Analysis:
ICP(AqR)30

Comment:

Document Distribution

	EN	RT	CC	IN	FX
1 Northern Analytical Laboratories	1	2	2	2	1
105 Copper Road					
Whitehorse	DL	3D	EM	BT	BL
YT Y1A 2Z7	0	0	0	0	0
Canada					
Att: Norm Smith					

Ph:403/668-4968
Fx:403/668-4890
Em:NAL@hypertech.yk.ca

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP 12M/Dis	REJECT 00M/Dis
B311	24	Pulp	Received as it is, no sample prep.		

NS=No Sample Rep=Replicate M=Month Dis=Discard

Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0721	ICP	ppm	Ag ICP	Silver	0.1	99.9
02	0711	ICP	ppm	Cu ICP	Copper	1	20000
03	0714	ICP	ppm	Pb ICP	Lead	2	20000
04	0730	ICP	ppm	Zn ICP	Zinc	1	20000
05	0703	ICP	ppm	As ICP	Arsenic	5	9999
06	0702	ICP	ppm	Sb ICP	Antimony	5	999
07	0732	ICP	ppm	Hg ICP	Mercury	3	9999
08	0717	ICP	ppm	Mo ICP	Molydenum	1	999
09	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	999
10	0705	ICP	ppm	Bi ICP	Bismuth	2	9999
11	0707	ICP	ppm	Cd ICP	Cadmium	0.1	99.9
12	0710	ICP	ppm	Co ICP	Cobalt	1	9999
13	0718	ICP	ppm	Ni ICP	Nickel	1	9999
14	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	9999
15	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	999
16	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	9999
17	0729	ICP	ppm	V ICP	Vanadium	2	9999
18	0716	ICP	ppm	Mn ICP	Manganese	1	9999
19	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	9999
20	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	9999
21	0731	ICP	ppm	Zr ICP	Zirconium	1	9999
22	0736	ICP	ppm	Sc ICP	Scandium	1	9999
23	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
24	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	9.99
25	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	9.99
26	0712	ICP	%	Fe ICP	Iron	0.01	9.99
27	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	9.99
28	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	9.99
29	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
30	0719	ICP	%	P ICP	Phosphorus	0.01	5.00

EN=Envelope # RT=Report Style CC=Copies IN=Invoices Fx=Fax(1=Yes 0=No) Totals: 2=Copy 2=Invoice 0=3½ Disk
DL=Download 3D=3½ Disk EM=E-Mail BT=BBS Type BL=BBS(1=Yes 0=No) ID=C030901
* Our liability is limited solely to the analytical cost of these analyses.

BC Certified Assayer: David Chiu

INTERNATIONAL PLASMA LABORATORY LTD.

2036 Columbia
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICATE ANALYSIS
iPL 97G0559

Client : Northern Analytical Laboratories
Project: W/O 7824

24 Samples
24=Pulp

[055916:42:28:79070797]

Out: Jul 07, 1997
In : Jul 02, 1997

Sample Name	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
9701S	<	8	11	28	7	<	<	2	<	<	0.3	6	13	91	<	23	67	152	10	12	1	2	0.05	1.04	0.16	2.50	0.27	0.03	0.03	0.02
9702S	0.1	8	25	55	59	<	<	2	<	<	0.5	4	12	93	<	17	52	119	10	13	3	2	0.03	0.99	0.11	2.35	0.21	0.03	0.02	0.01
9703S	<	18	22	76	41	5	<	2	<	<	0.4	7	28	125	<	34	58	165	10	10	1	3	0.03	1.09	0.11	2.73	0.33	0.05	0.02	0.02
9704S	<	12	18	53	26	<	<	3	<	<	0.3	7	19	137	<	29	68	164	12	13	1	3	0.05	1.24	0.13	2.71	0.30	0.05	0.02	0.02
9705S	<	11	9	36	<	<	<	2	<	<	<	8	15	100	<	29	97	168	12	13	1	2	0.06	1.30	0.19	3.45	0.29	0.04	0.02	0.03
9706S	<	12	12	42	24	<	<	2	<	<	<	8	17	132	<	28	87	168	12	12	3	2	0.06	1.39	0.18	3.16	0.30	0.06	0.02	0.04
9707S	<	48	11	88	45	11	<	3	<	<	<	14	55	289	<	48	80	344	17	15	1	7	0.05	1.42	0.20	4.36	0.55	0.11	0.02	0.04
9708S	<	19	8	64	41	5	<	1	<	<	0.3	6	21	163	<	25	62	145	12	12	1	3	0.04	0.90	0.15	2.70	0.30	0.05	0.02	0.03
9709S	<	34	9	96	8	7	<	3	<	<	<	17	20	478	<	42	116	440	10	16	2	10	0.13	1.76	0.23	4.49	0.95	0.29	0.02	0.03
9710S	<	19	54	111	<	<	<	4	<	<	<	20	19	498	<	29	139	836	14	17	2	13	0.27	2.24	0.40	5.37	1.27	0.97	0.02	0.10
9711S	<	9	7	133	<	<	<	3	<	<	<	24	26	447	<	52	144	771	11	17	3	16	0.30	2.19	0.27	5.16	1.81	0.95	0.03	0.06
9712S	<	12	7	58	<	<	<	2	<	<	<	10	14	240	<	24	84	379	10	14	1	5	0.12	1.36	0.20	3.13	0.61	0.20	0.02	0.04
9713S	<	14	9	75	6	<	<	3	<	<	<	12	21	337	<	34	99	381	12	17	2	7	0.13	1.73	0.21	3.85	0.76	0.18	0.02	0.02
9714S	<	15	10	70	9	<	<	3	<	<	<	14	15	274	<	31	94	493	12	20	2	8	0.16	2.17	0.30	3.73	0.97	0.24	0.03	0.04
9615S	<	28	11	183	18	<	<	3	<	<	<	16	20	395	<	35	117	533	16	18	3	12	0.18	2.70	0.24	4.48	1.00	0.32	0.03	0.04
9616S	<	12	9	86	9	<	<	2	<	<	<	9	13	204	<	25	57	393	14	16	1	6	0.06	1.14	0.21	3.14	0.40	0.14	0.02	0.05
9717S	<	14	6	43	<	<	<	2	<	<	0.4	12	9	190	<	19	59	318	7	11	2	5	0.07	1.01	0.18	2.90	0.47	0.18	0.02	0.04
9718S	<	16	6	110	9	<	<	3	<	<	<	30	17	496	<	44	122	899	8	18	3	15	0.24	3.25	0.28	5.06	2.26	0.72	0.03	0.05
9719S	<	10	6	39	<	<	<	2	<	<	<	11	13	148	<	29	89	228	8	13	2	3	0.09	1.35	0.23	3.28	0.59	0.11	0.02	0.05
97200S	<	71	14	121	17	<	<	5	<	<	<	19	79	296	<	108	134	471	18	15	2	10	0.09	2.79	0.14	6.29	1.49	0.23	0.02	0.04
97201S	<	25	9	62	19	<	<	3	<	<	<	11	28	223	<	42	93	281	14	18	2	4	0.10	1.78	0.25	3.58	0.67	0.14	0.03	0.04
97202S	<	12	6	47	9	<	<	2	<	<	0.4	8	12	156	<	21	68	440	10	13	1	2	0.07	0.78	0.15	2.44	0.28	0.08	0.02	0.02
97203S A	<	10	6	38	<	<	<	2	<	<	0.3	6	7	280	<	18	69	446	9	15	1	2	0.07	0.91	0.18	2.30	0.24	0.05	0.03	0.02
97203S B	<	25	11	74	36	<	<	3	<	<	<	10	22	245	<	29	87	272	12	17	2	4	0.07	1.93	0.22	3.51	0.44	0.12	0.03	0.03
Min Limit	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % P=Pulp

Northern Analytical Laboratories ltd.

14/08/97 Assay Certificate Page 1

Eugene Curley WO# 07880

Certified by

Sample #	Au ppb
97 - 300 - S	<5
97 - 301 - S	56
97 - 302 - S	75
97 - 303 - S	16
97 - 304 - S	7
97 - 305 - S	<5
97 - 306 - S	<5
97 - 307 - S	75
97 - 308 - S	32
97 - 309 - S	<5
97 - 310 - S	31
97 - 311 - S	19
97 - 312 - S	<5
97 - 313 - S	<5
97 - 314 - S	<5
97 - 315 - S	27
97 - 316 - S	21
97 - 317 - S	10
97 - 318 - S	16
97 - 325 - S	25
97 - 326 - S	<5
97 - 327 - S	<5
97 - 328 - S	<5
97 - 329 - S	<5
97 - 330 - S	5
97 - 331 - S	<5
97 - 332 - S	<5
97 - 333 - S	<5
97 - 334 - S	21
97 - 335 - S	<5

105 Copper Road, Whitehorse, YT, Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890

Northern
Analytical
Laboratories ltd.

Eugene Curley WO# 07880

Certified by

Sample #	Au ppb
97 - 336 - S	11
97 - 337 - S	17
97 - 338 - S	6
97 - 339 - S	38
97 - 340 - S	5
97 - 341 - S	13
97 - 342 - S	<5
97 - 343 - S	14

Note: Au is 30gm FA/AAS.

105 Copper Road, Whitehorse, YT, Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890

INTERNATIONAL PLASMA LABORATORY LTD.

Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICATE OF ANALYSIS

iPL 97HU/92

Client : Northern Analytical Laboratories
Project: W.O. 7880

38 Samples
38=Pulp

[079212:58:38:79082197]

Out: Aug 21, 1997
In : Aug 18, 1997

Sample Name	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
97 - 300 - S P	<	14	16	49	14	<	<	1	<	<	0.4	7	11	111	<	22	56	172	5	10	3	2	0.05	1.85	0.11	2.31	0.26	0.02	0.02	0.03
97 - 301 - S P	<	9	8	28	<	<	<	1	<	<	0.3	6	11	63	<	23	73	162	10	13	1	2	0.05	1.02	0.24	2.68	0.28	0.04	0.02	0.06
97 - 302 - S P	<	12	6	46	13	<	<	1	<	<	0.5	7	15	142	<	27	63	178	12	13	1	3	0.07	1.59	0.18	2.45	0.39	0.06	0.03	0.04
97 - 303 - S P	<	9	7	32	<	<	<	1	<	<	0.3	6	11	97	<	22	62	152	13	13	2	2	0.05	0.80	0.23	2.38	0.26	0.07	0.02	0.05
97 - 304 - S P	<	16	14	48	23	5	<	2	<	<	<	10	16	180	<	30	80	280	12	19	1	3	0.06	1.82	0.22	3.10	0.41	0.09	0.03	0.06
97 - 305 - S P	<	11	5	32	15	<	<	1	<	<	0.1	6	7	200	<	11	51	168	11	18	<	2	0.05	1.07	0.23	1.74	0.15	0.08	0.05	0.05
97 - 306 - S P	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
97 - 307 - S P	<	26	9	78	50	7	<	2	<	<	<	13	21	218	<	26	66	452	16	20	1	5	0.07	1.11	0.32	3.48	0.43	0.19	0.02	0.04
97 - 308 - S P	<	16	8	43	5	<	<	1	<	<	0.4	8	15	154	<	25	70	212	12	13	1	3	0.06	0.81	0.28	2.75	0.34	0.10	0.03	0.04
97 - 309 - S P	<	14	8	42	9	<	<	1	<	<	0.4	9	14	166	<	28	57	228	12	17	2	3	0.07	1.45	0.30	2.35	0.47	0.07	0.02	0.05
97 - 310 - S P	<	11	8	36	<	<	<	1	<	<	<	8	14	91	<	32	114	195	13	13	2	2	0.06	1.22	0.26	3.92	0.29	0.05	0.02	0.07
97 - 311 - S P	<	17	9	50	25	<	<	2	<	<	0.6	9	19	117	<	31	68	188	8	17	2	3	0.08	2.04	0.21	2.67	0.49	0.08	0.03	0.05
97 - 312 - S P	<	8	7	36	8	<	<	1	<	<	0.5	7	11	93	<	22	60	171	7	17	1	2	0.07	1.25	0.29	2.22	0.33	0.05	0.03	0.05
97 - 313 - S P	<	8	3	26	<	<	<	1	<	<	0.1	4	5	110	<	12	21	270	11	23	1	2	0.05	0.64	0.40	0.86	0.23	0.04	0.03	0.06
97 - 314 - S P	<	3	<	21	<	<	<	1	<	<	0.2	3	4	71	<	9	17	84	7	15	1	1	0.04	0.52	0.23	1.00	0.19	0.03	0.03	0.04
97 - 315 - S P	<	24	7	84	17	<	<	2	<	<	0.6	11	15	322	<	28	68	730	12	23	1	4	0.07	1.28	0.40	2.36	0.41	0.08	0.03	0.04
97 - 316 - S P	<	8	7	34	<	<	<	2	<	<	0.5	7	10	173	<	24	71	248	13	16	1	2	0.05	0.76	0.32	2.50	0.31	0.06	0.03	0.06
97 - 317 - S P	0.6	25	15	49	36	<	<	2	<	<	0.4	8	23	273	<	23	63	304	14	23	1	10	0.05	0.82	0.51	2.28	0.23	0.08	0.04	0.05
97 - 318 - S P	<	42	7	80	51	<	<	2	<	<	<	14	40	267	<	66	98	334	16	40	2	8	0.12	1.71	0.92	3.62	0.96	0.28	0.03	0.06
97 - 325 - S P	<	17	10	59	<	<	<	1	<	<	<	9	13	262	<	23	78	268	13	23	1	4	0.05	1.06	0.38	3.11	0.33	0.17	0.02	0.07
97 - 326 - S P	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
97 - 327 - S P	<	10	8	36	6	<	<	2	<	<	0.3	8	11	155	<	26	68	320	12	16	1	3	0.08	1.07	0.24	2.53	0.37	0.08	0.03	0.04
97 - 328 - S P	<	15	15	48	10	<	<	2	<	<	0.3	10	14	292	<	29	73	663	16	20	1	3	0.07	1.36	0.23	2.91	0.37	0.12	0.03	0.04
97 - 329 - S P	1.3	20	13	53	17	<	<	2	<	<	<	10	20	181	<	32	80	235	12	20	1	3	0.07	1.77	0.20	3.38	0.46	0.11	0.02	0.03
97 - 330 - S P	<	14	8	42	6	<	<	1	<	<	0.3	8	13	123	<	26	74	218	10	14	1	2	0.07	1.34	0.21	2.85	0.36	0.07	0.03	0.06
97 - 331 - S P	<	10	13	37	6	<	<	1	<	<	0.3	8	9	139	<	22	63	289	7	17	1	2	0.08	1.11	0.18	2.27	0.38	0.06	0.02	0.03
97 - 332 - S P	<	17	10	56	10	<	<	2	<	<	0.4	18	13	171	<	28	71	1065	10	17	1	3	0.07	1.66	0.18	2.86	0.41	0.07	0.02	0.05
97 - 333 - S P	<	14	7	53	15	5	<	2	<	<	<	10	15	120	<	29	79	378	8	12	1	4	0.08	1.40	0.14	3.16	0.42	0.10	0.02	0.05
97 - 334 - S P	<	16	10	46	8	<	<	2	<	<	<	8	15	159	<	28	73	208	8	14	2	3	0.07	1.41	0.14	3.03	0.38	0.07	0.02	0.02
97 - 335 - S P	<	21	11	49	9	<	<	1	<	<	<	10	16	160	<	30	77	213	11	17	3	3	0.09	1.69	0.17	3.05	0.46	0.13	0.02	0.02
97 - 336 - S P	<	16	9	46	12	7	<	2	<	<	0.3	10	16	324	<	30	65	432	15	22	1	4	0.08	1.65	0.28	2.59	0.55	0.14	0.03	0.03
97 - 337 - S P	<	11	15	72	24	7	<	1	<	<	<	12	10	139	<	28	90	435	11	16	2	7	0.11	1.30	0.20	3.79	0.58	0.21	0.02	0.05
97 - 338 - S P	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
97 - 339 - S P	<	14	9	95	5	7	<	2	<	<	<	14	26	308	<	56	106	555	16	20	2	11	0.14	1.39	0.51	4.06	0.84	0.40	0.03	0.06
97 - 340 - S P	<	16	9	112	<	7	<	2	<	<	<	17	17	348	<	40	105	828	13	24	2	14	0.18	1.47	0.58	4.18	1.07	0.53	0.03	0.09
97 - 341 - S P	<	12	9	52	8	<	<	<	<	<	0.5	9	12	200	<	26	61	320	12	26	2	5	0.09	1.22	0.54	2.50	0.53	0.13	0.03	0.07
97 - 342 - S P	<	14	13	45	<	<	<	1	<	<	0.4	10	11	193	<	27	78	316	6	19	1	3	0.09	1.38	0.28	2.65	0.58	0.05	0.03	0.02
97 - 343 - S P	<	11	8	37	<	<	<	1	<	<	0.4	8	10	123	<	22	78	201	8	17	1	3	0.08	1.27	0.21	2.66	0.41	0.07	0.03	0.02
Min Limit	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % P=Pulp

APPENDIX B

INVOICES SUPPORTING

STATEMENT OF COSTS

Northern Analytical Laboratories ltd.

Invoice for Analytical Services

To:

Eugene Curley

Invoice Date: 09/07/97

WO# 07824

QTY	DESCRIPTION	UNIT PRICE	AMOUNT
	Sample Preparation:		
24	Soil/Sediment Sample Preparation	2.00	48.00
	Analyses:		
24	Au + 30	16.00	384.00
	Supplies:		
25	Soil Sample Bags	0.28	7.00
25	12 x 20 Poly Sample Bags	0.25	6.25
50	8 x 13 Poly Sample Bags	0.20	10.00
		Subtotal	455.25
		GST @7% (R 121285662)	31.87
		Total due on receipt of invoice	$487.12

2% per month charged on overdue accounts

PAID

105 Copper Road, Whitehorse, YT, Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890

Northern Analytical Laboratories ltd.

Invoice for Analytical Services

To:

Eugene Curley

Invoice Date: 14/08/97

WO# 07880

QTY	DESCRIPTION	UNIT PRICE	AMOUNT
	Sample Preparation:		
38	Soil/Sediment Sample Preparation	2.00	76.00
	Analyses:		
38	Au + 30 (30 gm Au)	17.25	655.50
	Subtotal		731.50
	GST @7% (R 121285662)		51.21
	Total due on receipt of invoice		$782.71

2% per month charged on overdue accounts

105 Copper Road, Whitehorse, YT, Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890

iPL

SAMPLE DISCREPANCY

REPORT #: 97H0792 PROJECT #: P.O. 332328

DATE IN : 97/08/18 SAMPLE TYPE : Pulp

iPL PREP. REP. :

The following samples were missing, but had been included on the submittal:

The following samples were included, but ~~were not on the submittal~~ no sample was found inside sample bag:

1) 97-306-S
2) 97-326-S
3) 97-338-S

(il. 1.07, 1.22 & 1.34)

Total: 3

G. COCHRANE
515 c99
WHITEHORSE

OUR NUMBER 387160
DATE
CUSTOMER'S ORDER
SALESMAN
TERMS
F.O.B.

TAX REG. NO.
SOLD TO EUGENE CURLEY
SHIP TO
ADDRESS VIA

INVOICE

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	4 DAYS WORK AS FIELD ASSITANT		400
	PAID IN FULL CASH		
	2 days on Prospector's Program		400

BLUELINE · DC 32

BLUELINE

DATE October 12 1997

RECEIVED FROM / REÇU DE Eugene Curley

twelve hundred XX/100 DOLLARS

FOR / POUR 2 days field work & 6 days report writing

FROM / DE TO / A

$ 1200.00 BY / PAR Larry M. Carlyle

2550B

1997

Received from Eugene Copley

two Hundred dollars XX/100 Dollars

for 2 days field work.

$ No. R Chamberlain

Tax Reg. No:

I-CAN-DIG-IT INVOICE

CONTRACTING & EXPLORATION LTD.
RR 1 SITE 20 COMP. 29
WHITEHORSE, Y.T. Y1A 4Z6

OUR NUMBER 120011
DATE Aug 30/97
CUSTOMER'S ORDER

SOLD TO EUGENE Curly
ADDRESS MT NANSEN

SHIP TO
ADDRESS

TAX REG. NO. | SALESMAN | F.O.B | TERMS | VIA

QUANTITY	DESCRIPTION	PRICE	AMOUNT
18	hrs Excavating Time Trenching	120 00	2160 00
	G.S.T.		151 20
	BALANCE DUE		$2311 20
	Paid CASH		
	Phil Vanhof		

BLUELINE DC31

Northern Analytical Laboratories ltd.

Invoice for Analytical Services

To:

Eugene Curly

Invoice Date: 17/09/97

WO# 07911

QTY	DESCRIPTION	UNIT PRICE	AMOUNT
	Sample Preparation:		
25	Rock/D.C. Sample Preparation	5.00	125.00
22	Sample Drying	2.50	55.00
1	Soil/Sediment Sample Preparation	2.00	2.00
	Analyses:		
26	Au + 30	16.00	416.00

Subtotal	598.00
GST @7% (R 121285662)	41.86
Total due on receipt of invoice	$639.86

2% per month charged on overdue accounts

105 Copper Road, Whitehorse, YT Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890

EUGENE CURLEY FIELD WORK INVOICE

Curley Wages:

June 17 - 19/97		
3 days @ $200.00/day		$ 600.00
August 7 - 8/97		
2 days @ $200.00/day		$ 400.00
August 29 - 31/97		
3 days @ $200.00/day		$ 600.00
September 3 - 4/97		
2 days @ $200.00/day		$ 400.00
	Total:	**$2000.00**

Vehicle Mileage (Whitehorse - ANG Claims):

June 17 & 19/97		
490 km. @ $0.35/km		$ 171.50
August 7 & 9/97		
490 km. @ $0.35/km		$ 171.50
August 28 & 31/97		
490 km. @ $0.35/km		$ 171.50
September 2 & 5/97		
490 km. @ $0.35/km		$ 171.50
	Total:	**$ 686.00**

ATV Rental:

2 Suzuki ATV's @ $150.00/day each		
10 days @ $300.00/day		$ 3000.00
Oil & Gas		
10 days @ 40 km/day @ $0.35/km		$ 140.00
	Total:	**$ 3140.00**

FIELD SUPPLY INVOICE

Flagging (10 @ $2.40 ea.)		$ 24.00
Hipchain Twine (7 @ $4.20 ea.)		$ 29.40
Felt Marking Pens (3 @ $1.00 ea.)		$ 3.00
Plastic Sample Bags (21 @ $0.25 ea.)		$ 5.25
Soil Sample Bags (61 @ $0.25 ea.)		$ 15.25
	Total:	**$ 76.90**

Indian and Northern Affairs Canada | Affaires indiennes et du Nord Canada

Northern Affairs Program | Programme des affaires du Nord

Mineral Rights — Droits miniers

Canada

WHITEHORSE 27 MAY 1987

20 AUG 91
12 AUG 91
27 JUNE 91
13 MAR 91
11 FEB 91
28 JAN 90
07 JAN 91
21 NOV 90
22 OCT 90
13 SEPT 90
26 JULY 90
17 JULY 90
29 DEC 89
22 NOV 89
31 OCT 89
24 OCT 89
23 AUG 89
20 JUNE 89
20 MAR 89
19 JAN. 89
03 JAN 89
23 NOV 88
28 OCT 88
13 SEPT 88
09 SEPT 88
07 SEPT 88
26 AUG 88
22 AUG 88
19 JULY 88
21 MARCH 88
10 MARCH 88
23 JAN 88
13 OCT 87
08 OCT 87
16 SEPT 87
13 JULY 87
30 JUNE 87

14 FEB 97
22 JAN 97 L
31 JAN 96 L
07 OCT 96
27 FEB 96
18 DEC 95
17 NOV 95
13 OCT 95
25 SEPT 95
12 SEPT 95
25 JULY 95
28 JUNE 95
10 APR 95
30 MAR 95
15 SEPT 94
22 AUG 94
22 FEB 94
16 JUNE 93
12 JAN 93
12 NOV 92
07 AUG 92
15 JULY 92
07 JULY 92
16 JUNE 92
23APR 92
16 OCT 91

115I-3
QUARTZ

LATITUDE 62° 00' TO 62° 15'
LONGITUDE 137° 00' TO 137° 30'

ISSUED UNDER THE AUTHORITY OF THE MINISTER OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

SCALE 1:30,000

1000 0 1000 2000 METRES
1600 0 1600 3000 4500 6000 7500 9000 10800 FEET

N — MAGNETIC NORTH N34° 22' E

NOTE:

THIS MAP IS ISSUED AS A PRELIMINARY GUIDE FOR WHICH THE DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT WILL ACCEPT NO RESPONSIBILITY FOR ANY ERRORS, INACCURACIES OR OMISSIONS WHATSOEVER.

TOPOGRAPHY COMPILED FROM 1:50,000 NATIONAL TOPOGRAPHIC SERIES.
CONTOUR INTERVAL 500 FEET.
SURVEY INFORMATION COMPILED FROM LEGAL SURVEYS, BY DRAFTING SERVICES.

Note: Entry on certain lands is withdrawn from staking in cross-hatched areas to facilitate the settlement of Native Land Claims without prejudice to Existing Surface and Subsurface Rights.

Note: For placer claims see 115I-3 placer

115I-5	115I-6	115I-7
115I-4	115I-3	115I-2
115H-13	115H-14	115H-15

137° 30' 25' 20' 15' 10' 05' 137° 00'
62° 15' 10' 05' 62° 00'

DAWSON RANGE — VICTORIA MOUNTAIN

R-8A (C/LS) — R-31A (C/LS) — R-66A (C/LS) — R-21B (C/LS)

115I-3