

0410 0088

Silver Hill

UTAH SURVEY

1983 Percussion Drill Program

Situated at

Latitude: 38° 15' N

Longitude: 118° 53' W

Sec. 17, T5N R28E

Mineral County

Nevada, U.S.A.

Prepared by:

A.C. Glatiotis, B.Sc. Geol.

Prepared for:

ELECTRA NORTH WEST RESOURCES LTD.

907 - 1112 W. Pender Street

Vancouver, B.C.

V6E 2S1

February 29, 1984

SUMMARY

In November of 1983, 320 feet of drilling was completed on the UTAH Survey in three holes. The drill was a reverse circulation, percussion rig. Cuttings were sampled over five foot intervals. Significant intersections of quartz and severely altered andesite were encountered. Two, five - foot intersections contained 0.043 and 0.019 ozs. per ton of gold.

The 1983 program was commenced on the basis of previous underground and surface sampling which yielded encouraging values of gold in the 0.10 to 0.20 oz/ton range.

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INTRODUCTION

Mr. D.B. Stelling of Electra North West Resources Ltd. of Vancouver, B.C. contracted the author and D.A. Perkins for the purpose of managing an exploration program upon the Utah Survey claim, Mineral County, Nevada.

The program consisted of upgrading the access road and building two drill pads with a D8K cat; drilling 320 feet with a reverse-circulation, percussion drill in 3 holes, sampling the drill cuttings over five foot intervals, logging the cuttings and surveying the drill hole locations with reference to a topographical survey completed in April, 1983.

The program commenced November 3rd and ended November 7th, 1983.

LOCATION AND ACCESS

The Utah Survey is located in the Aurora Mining District, Section 17, T5N, R28E of Mineral County, Nevada, U.S.A. (Figures 2 and 3).

Access to the claim is via a combination of paved highway, well maintained gravel highway and gravel road. Highway 31 is paved and leads south from Hawthorne. Four (4) miles to the south is the intersection of Highway 31 and State Highway 3C, which lies over Lucky Boy Pass a distance of 18 miles to the junction at Fletcher. From this point 7 miles of gravel road leads south through the historic ruins of Aurora onto the property.

The road over Lucky Boy Pass may be closed occasionally during the winter months of late November through to early March due to heavy snowfalls. The gravel road leading onto the property is also snowed in at this time.

The claim lies on a high slope south of the Aurora townsite between the elevations of 7720' and 7860'.

Figure 1

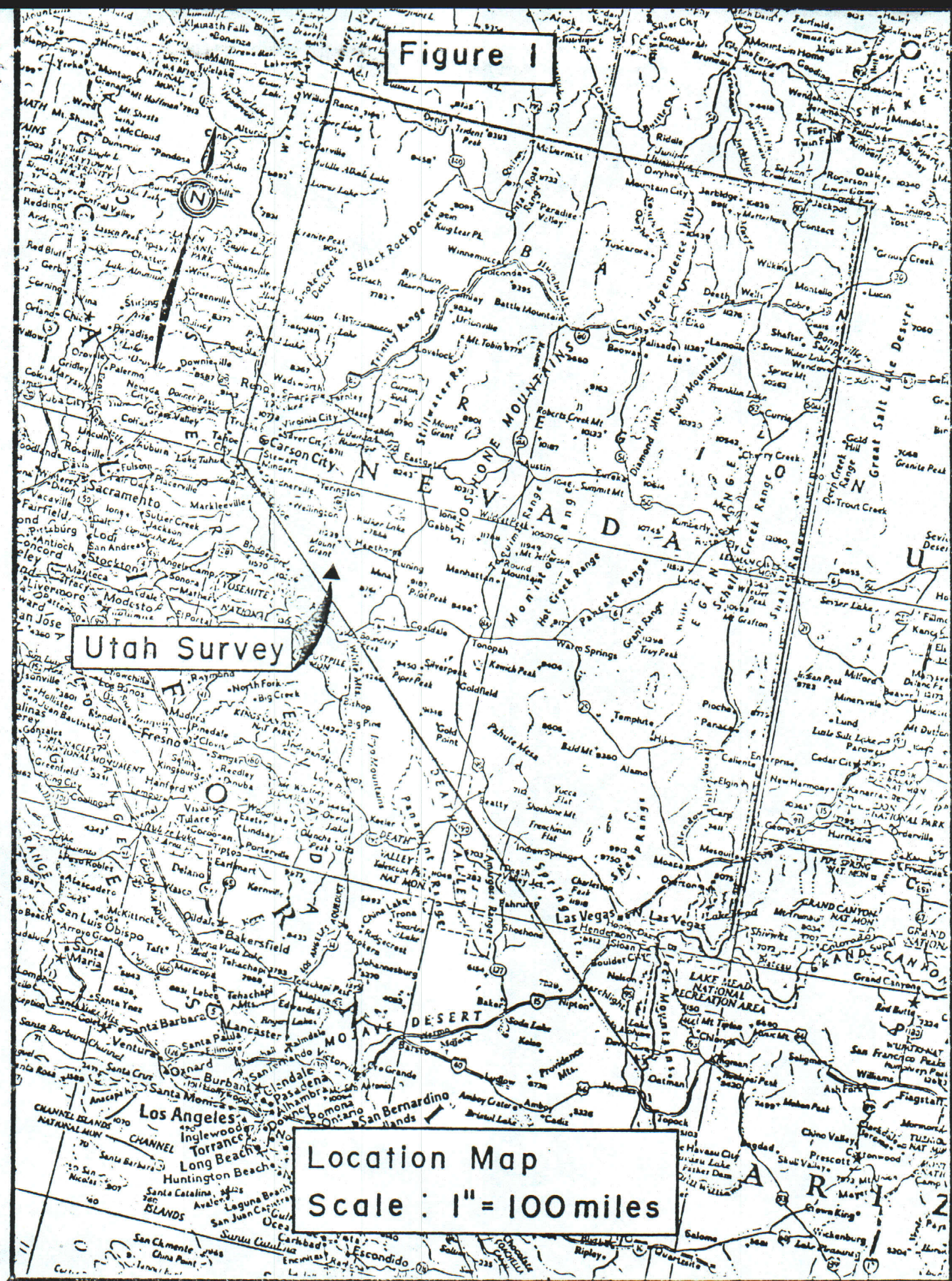
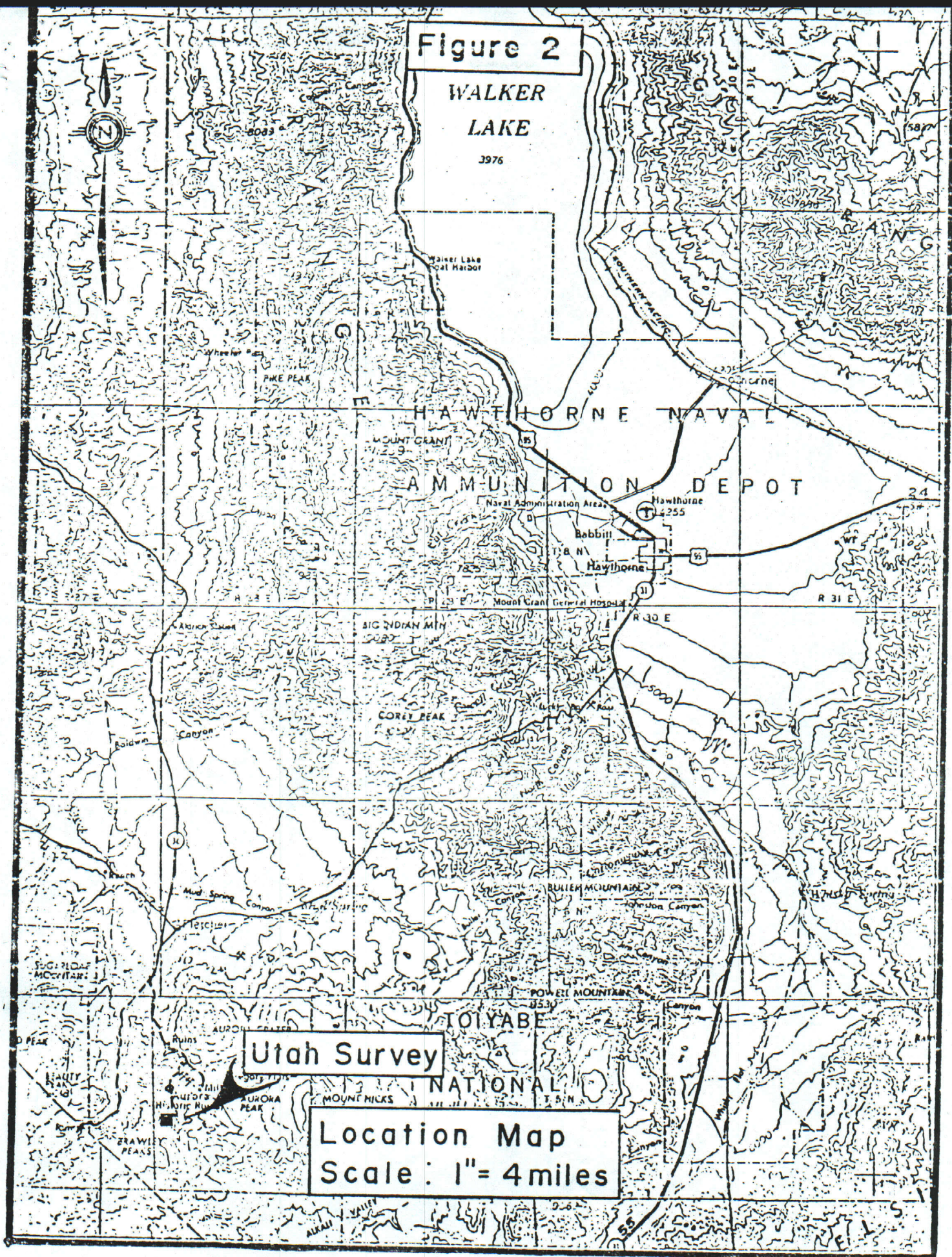


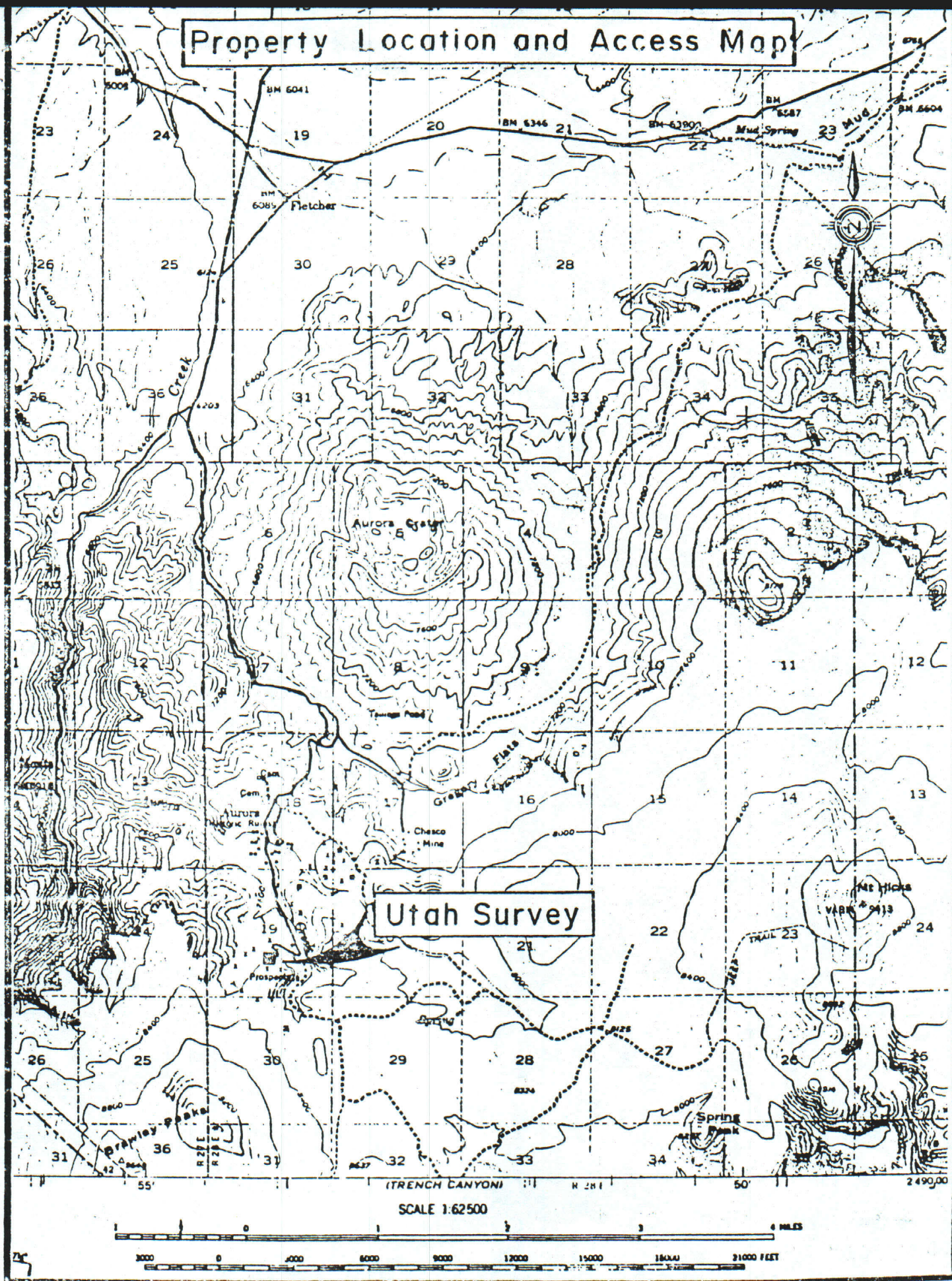
Figure 2

WALKER
LAKE

3976



Property Location and Access Map



PROPERTY DESCRIPTION

The Utah claim was surveyed in August, 1872 by Hugo Hochholzer. It is recognized as Lot Number 49 and contains 6.88 acres of land.

HISTORY

The property has seen mining activity in the past. Pods of ore have been removed from the neighbouring Cortez survey. These workings were surveyed and sampled in November, 1981 by the author. Although only a portion of the samples were analyzed gold values in the 0.1 - 0.2 oz/ton range were found. In 1982 a trenching program was carried out to expose and sample veins on the surface. It was unsuccessful due to mechanical problems with the cat. Grab samples taken at that time from various old test pits and dumps yielded encouraging values of gold; also in the 0.1 - 0.2 oz/ton range.

WORK PERFORMED

The access road leading from the old townsite of Aurora to the property required upgrading in order to accommodate the drill rig. The rig was a reverse circulation, percussion drill mounted on a 40 foot long semi-tractor. It was accompanied by a second truck of similar size which carried the drill pipe. Drill pads had to be wide enough for the two trucks to park beside each other. Upgrading the road required 16 hours of work with a D8K cat. Another 9 hours was required to construct the drill pads.

Three hundred and twenty (320) feet of drilling was completed in three holes. Samples of the cuttings were taken over five foot intervals. Each sample was split three times. Material from each sample was sieved, washed and mounted for a drill log. Three surface samples were taken from veins exposed by the cat.

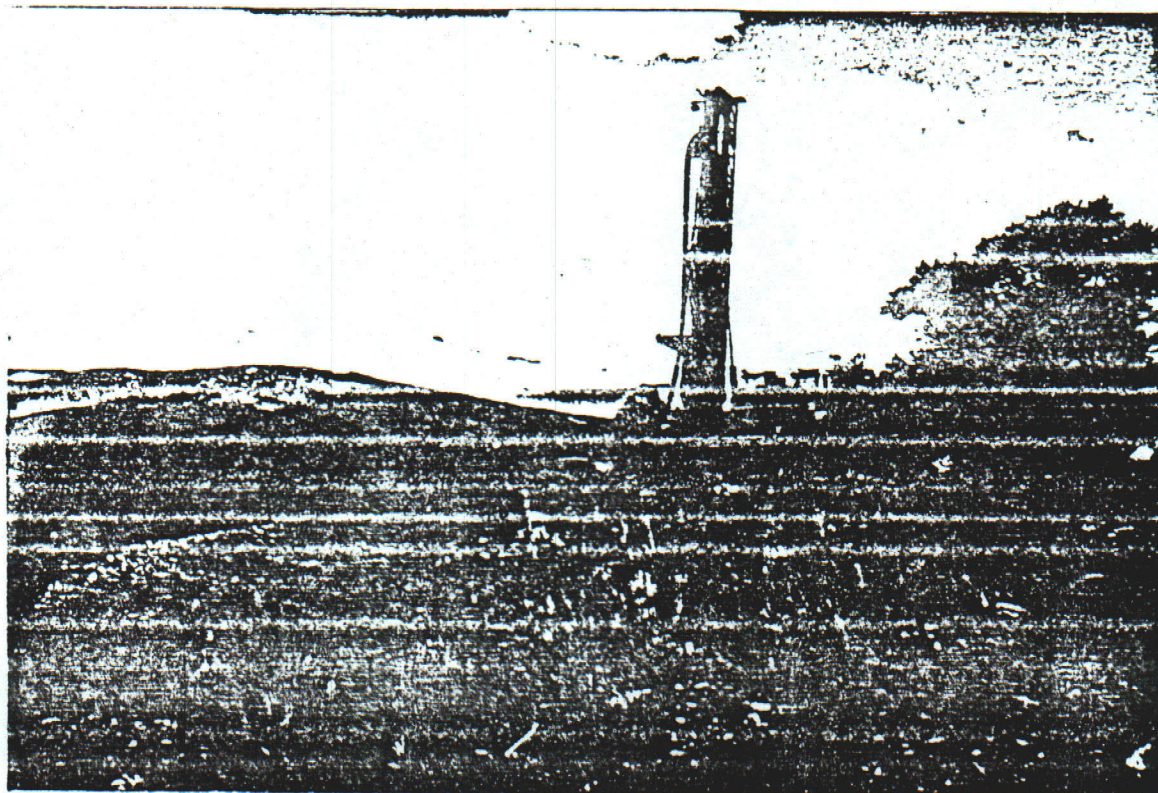
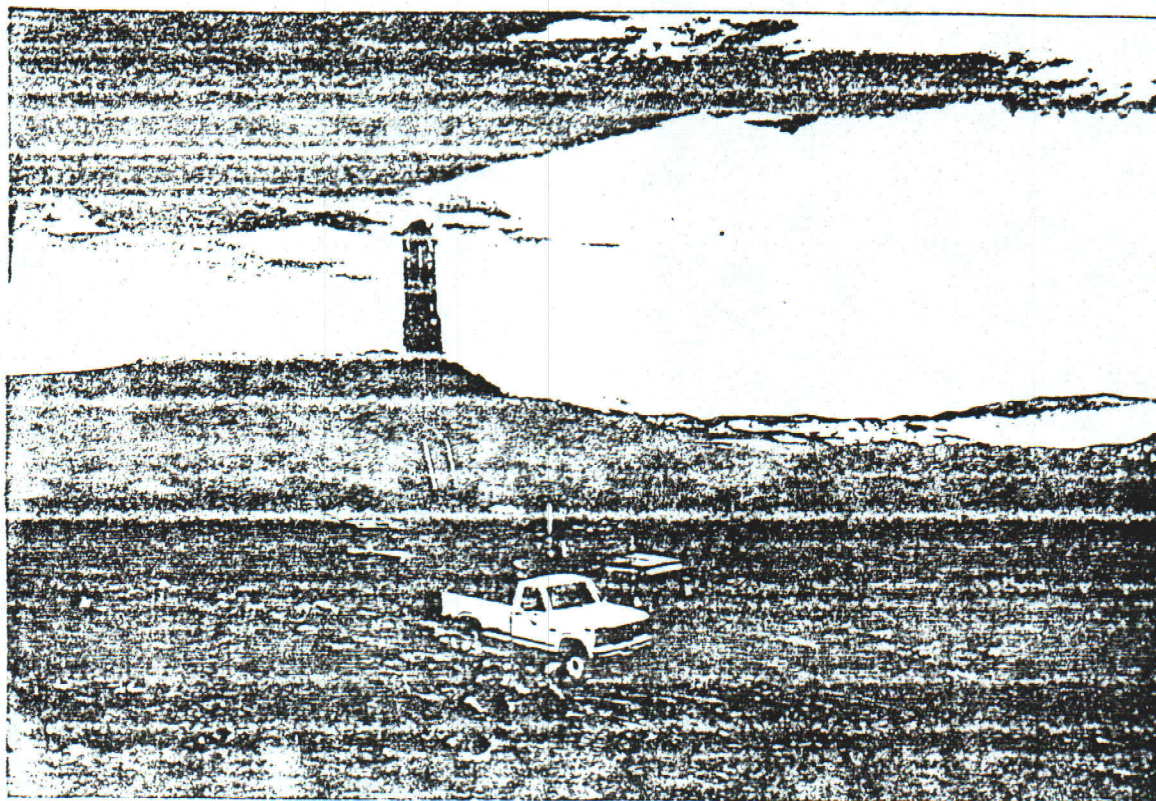


PLATE 1

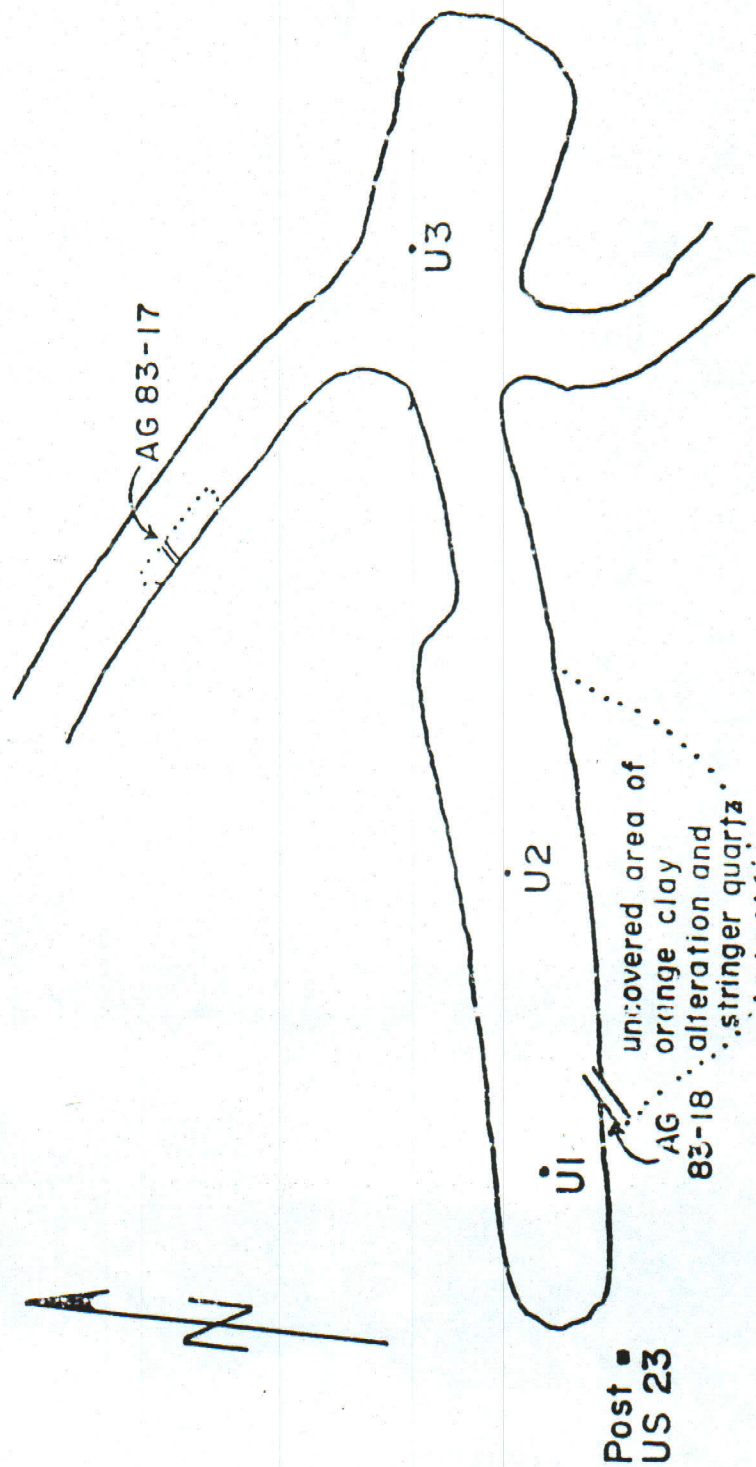
Drill set up at U1 viewed from the east.

PLATE 2

Drill set up at U1 viewed from the west.

PERCUSSION DRILL HOLE LOCATION MAP

PERCUSSION DRILL HOLE LOCATION MAP



Post -
US 23

uncovered area of
AG orange clay
83-18 alteration and
stringer quartz

U3

U2

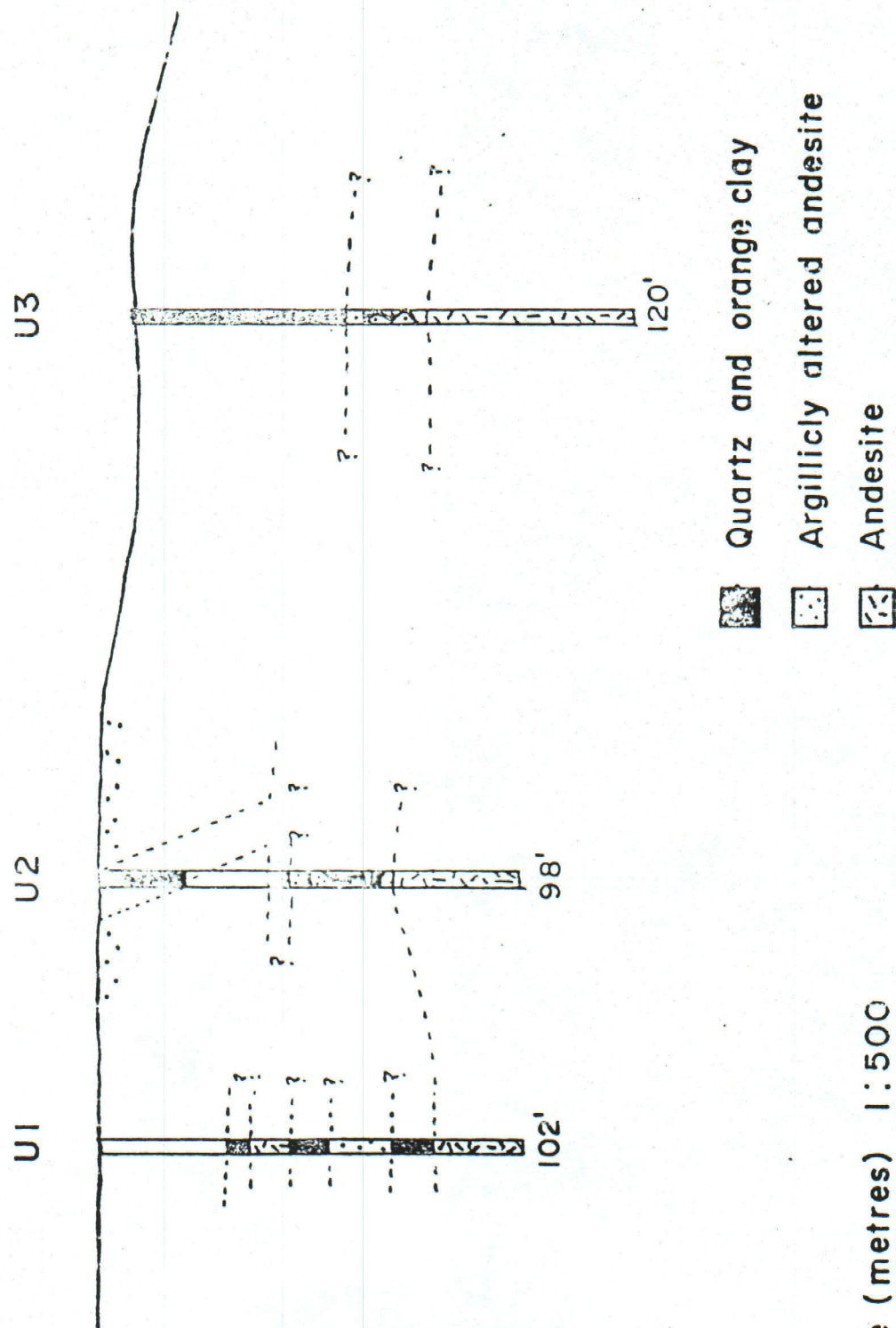
ה

Scale (metres) 1:500

	0	10	20	30
1	0.0000	0.0000	0.0000	0.0000
2	0.0000	0.0000	0.0000	0.0000
3	0.0000	0.0000	0.0000	0.0000
4	0.0000	0.0000	0.0000	0.0000
5	0.0000	0.0000	0.0000	0.0000
6	0.0000	0.0000	0.0000	0.0000
7	0.0000	0.0000	0.0000	0.0000
8	0.0000	0.0000	0.0000	0.0000
9	0.0000	0.0000	0.0000	0.0000
10	0.0000	0.0000	0.0000	0.0000
11	0.0000	0.0000	0.0000	0.0000
12	0.0000	0.0000	0.0000	0.0000
13	0.0000	0.0000	0.0000	0.0000
14	0.0000	0.0000	0.0000	0.0000
15	0.0000	0.0000	0.0000	0.0000
16	0.0000	0.0000	0.0000	0.0000
17	0.0000	0.0000	0.0000	0.0000
18	0.0000	0.0000	0.0000	0.0000
19	0.0000	0.0000	0.0000	0.0000
20	0.0000	0.0000	0.0000	0.0000
21	0.0000	0.0000	0.0000	0.0000
22	0.0000	0.0000	0.0000	0.0000
23	0.0000	0.0000	0.0000	0.0000
24	0.0000	0.0000	0.0000	0.0000
25	0.0000	0.0000	0.0000	0.0000
26	0.0000	0.0000	0.0000	0.0000
27	0.0000	0.0000	0.0000	0.0000
28	0.0000	0.0000	0.0000	0.0000
29	0.0000	0.0000	0.0000	0.0000
30	0.0000	0.0000	0.0000	0.0000

Figure 5

CROSS-SECTION THROUGH PERCUSSION HOLES



Scale (metres) 1:500

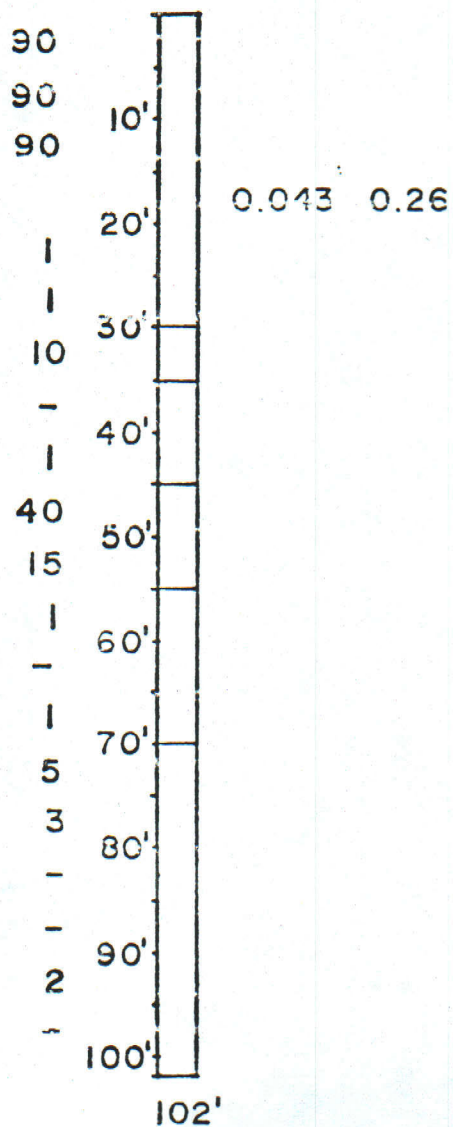
0 10 20 30

Figure 6

UI Chip Log

%
Quartz

Ozs. / ton
GOLD SILVER



light brown andesite
strong argillic alteration : orange clay

quartz with orange and white clay

olive brown andesite
weak argillic alteration

quartz with orange
and white clay

light, orange brown
andesite
moderate orange clay content

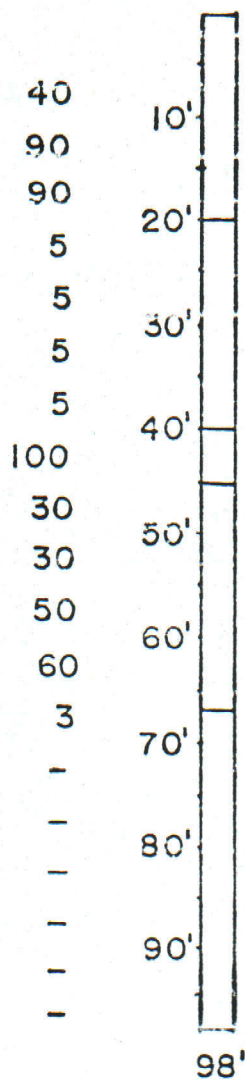
stringer quartz in
orange clay

olive brown andesite
weakly altered

light green, pyritic andesite
light brown, bleached andesite

U2 Chip Log

%
Quartz



quartz with orange and white
clay

light brown andesite

strong argillization: orange clay

minor silicification

quartz: massive

quartz and silicified andesite

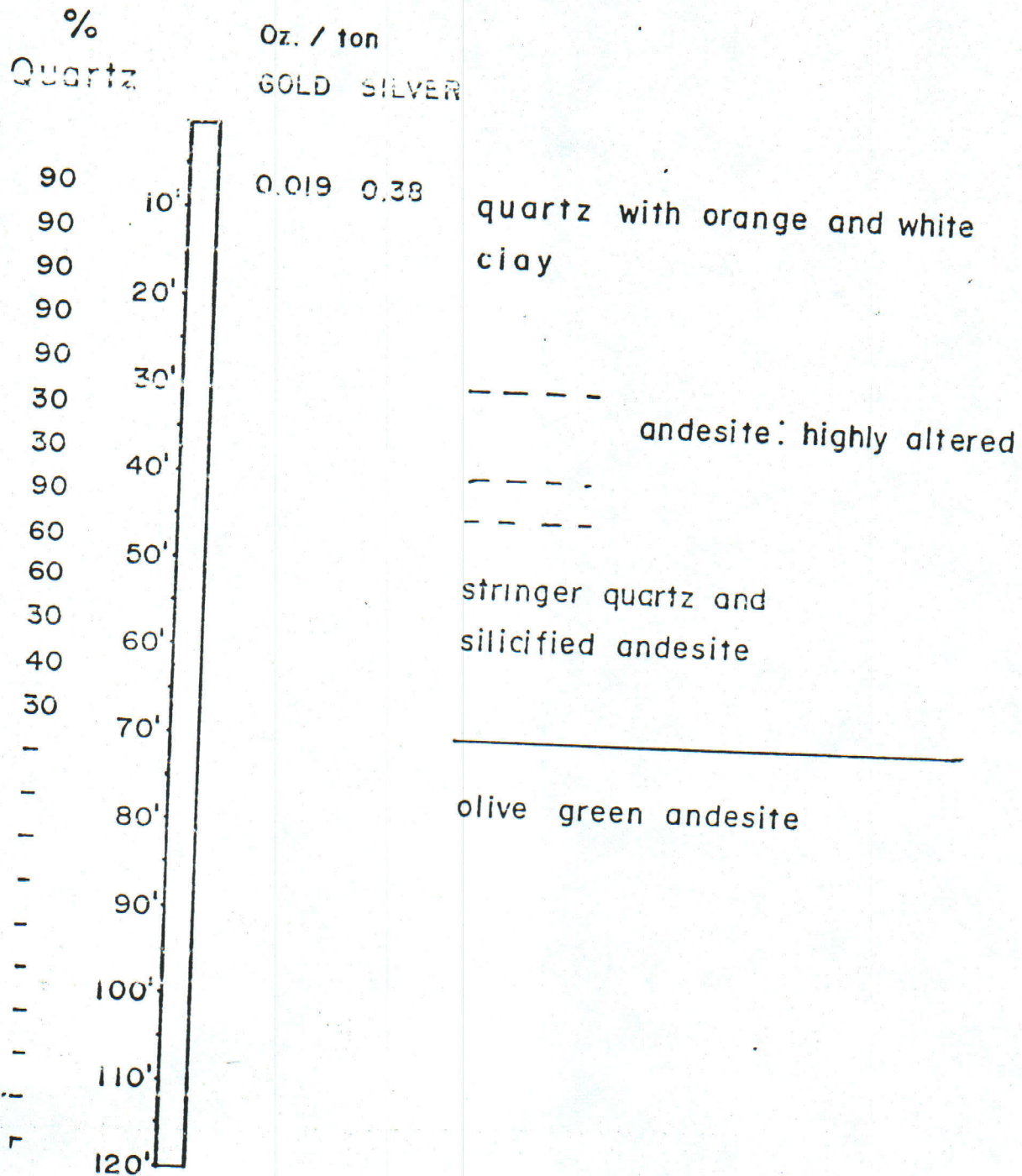
strongly argillized andesite

moderate orange clay

olive green andesite

Figure 8

U3 Chip Log



GEOCHEMISTRY

Analyses were performed by Min-En Laboratories Ltd. of Vancouver. All the samples were ground to -100 mesh size. Silver content was analyzed using a wet-chemical technique after acid digestion. Gold was analyzed by fire assay. (Appendix 1)

The highest gold value occurred in the surface sample AG 83-18. Gold assayed 0.130 ozs/ton and silver was 0.38 oz per ton. An intersection in hole U-1 between 15 feet and 20 feet assayed 0.043 ozs/ton for gold and 0.26 ozs/ton for silver. In U-3 the intersection between 5 feet and 10 feet graded 0.019 ozs/ton for gold and 0.38 ozs/ton for silver. The remainder of the samples yielded uniformly low assays.

Seventeen grab samples were taken from various dumps and test pits on the property by D.B. Stelling in 1982. Five samples yielded significant values of gold. Samples UT-3, 6, 10, 11 and 13 assayed .212, .045, .158, .138 and .058 oz/ton of gold, respectively. Reassaying the samples confirmed sample UT-3 only; doubling the value. Forty-five percent (45%) of the samples assayed in excess of 1 oz/ton of silver. The location of these samples is not well defined, consequently they are not included on the topographic map. These samples were also assayed by Min-En Laboratories Ltd. of Vancouver. Gold was determined by fire assay. Silver was determined by wet chemical analysis after perchloric acid digestion. (Appendix 2)

Fifteen of the sixty samples taken during the 1981 underground Cortez survey were fire assayed by Miller-Kappes Ltd. of Reno, Nevada. Nine of those samples yielded interesting values and were subjected to a cold cyanide extractable test to gain a rough estimate of recoverability of gold in a heap leach situation. It is felt that these values are essentially meaningless due to the small size of each sample. Four of the samples assayed in excess of 0.10 oz/ton of gold with the high value being 0.910 ozs/ton. The high value for silver was 10.06 oz/ton. (Appendix 3)

CONCLUSIONS

It is unlikely that the grades seen in the drill sections represent the actual grades of the vein material. The veins observed on the surface are typically much less than five feet in width and the wall rock carries no gold values. It is safe to assume that dilution has reduced the value of the assays. Mineable grades are typically poddy in this area. Two such pods were removed from the neighbouring Cortez Survey and a minimum of one from the Utah Survey. All the pods of ore previously mined lay within 300 feet of the surface.

The 1983 drilling does not disprove the possibility of the presence of further mineable pods on the property. However, if such pods exist it is likely that they will contain small tonnages at relatively shallow depths.

RECOMMENDATIONS

Stope break through near US 10 and US 11 (Figure 9) indicates that a pod of ore has been removed from a system of workings similar to those seen on the Cortez Survey. Entrance to these workings may be gained from an adit at the elevation of the Lower Cortez adit. It is important to determine the extent of the workings and to obtain some underground samples. Another adit at US 5 is caved in. This should be opened up, mapped and sampled. These underground workings should yield a better picture of the distribution of veins on the property. It would require an inexpensive program which would outline areas that should not be explored from the surface.

Furthermore, the balance of the samples taken in the 1981 underground Cortez survey should be assayed to fill in the gaps of data.

The results of the proposed work will help decide whether or not to pursue further exploration on this small property.

1983 DRILL PROGRAM COST SCHEDULE

D8K cat and operator:

25 hours at \$ 100.00/hour =

\$ 2,500.00

Low boy for cat mobilization and demobilization =

960.00

Drilling cost =

5,180.00

Wages:

2 geologists @ \$ 150.00/day (Canadian)

for 6 days = \$ 1,800.00 (Canadian) -

1,451.61

Mobilization and demobilization \$ 1,077.87 (Canadian)

868.87

Truck Rental 50% x 608.14

304.08

Groceries 50% x 188.22

94.11

Meals 50% x 127.80

63.90

Gas 50% x 152.15

76.08

Parking

2.50

Phone calls

61.83

Miscellaneous

76.05

Report Costs \$ 550.00 (Canadian) -

443.30

Sample Shipping

300.00

Assaying 71 samples \$ 1,107.50 (Canadian)

893.14

U.S.

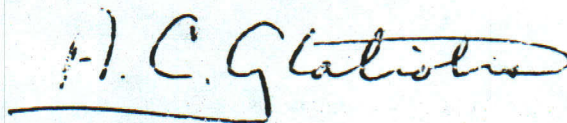
\$ 13,275.47

CERTIFICATE

I, Andreas C. Glatiotis, DO HEREBY CERTIFY:

1. That I am a consulting geologist with an office at # 21, 3519 - 49th Street N.W., Calgary, Alberta.
2. That I am a graduate of the University of Calgary, 1977 with a B.Sc. Geology degree.
3. That I have practised my profession for seven years.
4. That this report is based on a personal examination of the property and on review of government reports of Mineral County, Nevada.

Dated at Calgary, Alberta this 29th day of February, 1984.

A handwritten signature in dark ink, reading "A.C. Glatiotis". The signature is written in a cursive style with a horizontal line underneath the name.

A.C. Glatiotis, B.Sc.

APPENDIX 1

MIN-EN Laboratories Ltd.

Analytical Report for 1983 Percussion Hole Samples

MIN-EN Laboratories Ltd.

705 WEST 15th STREET,
NORTH VANCOUVER, B.C., CANADA V7M 1T2
TELEPHONE (604) 980-5814

ANALYTICAL REPORT

Project Date of report Jan. 16/84.

File No. 4-7 Date samples received Jan. 6/84.

Samples submitted by: Doug Stelling

Company: Electra North West Resources

Report on: Geochem samples

..... 71 Assay samples

Copies sent to:

1. Electra North West Resources, Vancouver, B.C.

2.

3.

Samples: Sieved to mesh Ground to mesh -100

Prepared samples stored ☒ - discarded ☐

rejects stored ☒ discarded ☐

Methods of analysis: Ag-Acid digestion-chemical analysis.

Au-fire.

Remarks:

SPECIALISTS IN MINERAL ENVIRONMENTS

Certificate of Assay

TO: Electra North West Resources,
907-1112 West Pender St.,
Vancouver, B.C.

Attn: D. Stelling
 PROJECT No.
 DATE: Jan. 16/84.
 File No. 4-7

SAMPLE No.	Ag	Au		
	oz/ton	oz/ton		
U-1-5-10	.12	.001		
10-15	.02	.001		
20-25	.02	.001		
25-30	.01	.002		
30-35	.02	.001		
35-40	.01	.001		
40-45	.01	.001		
45-50	.08	.001		
50-55	.03	.001		
55-60	.01	.001		
60-65	.05	.001		
65-70	.03	.002		
70-75	.02	.003		
75-80	.03	.001		
80-85	.05	.001		
85-90	.13	.001		
90-95	.06	.001		
95-100	.02	.002		
U-1-100-102	.02	.002		
U-2-0-5	.07	.001		
5-10	.03	.001		
10-15	.04	.001		
15-20	.05	.001		
20-25	.04	.001		
25-35	.02	.001		
35-40	.03	.001		
40-45	.02	.001		
45-50	.04	.001		
50-55	.03	.001		
U-2-55-60	.01	.001		

MINE-EN Laboratories Ltd.

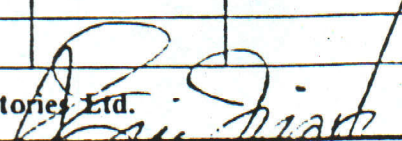
CERTIFIED BY: 

Certificate of Assay

TO: Electra North West Resources,
907-1112 West Pender St.,
Vancouver, B.C.

Attn: _____
PROJECT No. D. Stelling
DATE: Jan. 16/84.
File No. 4-7

SAMPLE NO.		Ag	Au			
		oz/ton	oz/ton			
<u>U-2-60-65</u>		.19	.011 ←			
<u>65-70</u>		.10	.001			
<u>70-75</u>		.03	.001			
<u>75-80</u>		.01	.001			
<u>80-85</u>		.01	.001			
<u>85-90</u>		.06	.001			
<u>90-95</u>		.07	.001			
<u>U-2-95-98</u>		.03	.001			
<u>U-3-5-10</u>		.38	.019 ←			
<u>10-15</u>		.02	.001			
<u>15-20</u>		.02	.001			
<u>20-25</u>		.01	.001			
<u>25-30</u>		.05	.001			
<u>30-35</u>		.04	.001			
<u>35-40</u>		.02	.001			
<u>40-45</u>		.10	.001			
<u>45-50</u>		.09	.001			
<u>50-55</u>		.04	.003			
<u>55-60</u>		.01	.001			
<u>60-65</u>		.01	.001			
<u>65-70</u>		.05	.003			
<u>70-75</u>		.02	.002			
<u>75-80</u>		.01	.001			
<u>80-85</u>		.01	.001			
<u>85-90</u>		.01	.001			
<u>90-95</u>		.01	.001			
<u>95-100</u>		.01	.001			
<u>100-105</u>		.01	.001			
<u>105-110</u>		.02	.001			
<u>U-3-110-115</u>		.01	.001			



Certificate of Assay

TO: Electra North West Resources,

907-1112 West Pender St.,

Vancouver, B.C.

Attn:

PROJECT NO. D. Stellin

DATE: Jan. 16/84

File No. 4-7

[illegible]

MINE-EN Laboratories Ltd.

CERTIFIED BY:

APPENDIX 2

MIN-EN Laboratories Ltd.

Analytical Report for 1982 Surface Samples

to: Electra Resources,
907-1112 W. Pender St.,
Vancouver, B.C.

DATE: Jan. 12/82,

File No. 2-7

Legend of Fire & Ice

APPENDIX 3

Assay Results of 1981 Cortez Underground Survey

APPENDIX 3
ASSAY RESULTS OF 1981 CORTEZ UNDERGROUND SURVEY

Sample #	Fire Assay		Cyanide Extractable			
	Gold oz/ton	Silver oz/ton	Gold oz/ton		Silver oz/ton	
			<u>Test 1</u>	<u>Test 2</u>	<u>Test 1</u>	<u>Test 2</u>
UC 34	0.031	0.03	0.006	0.018	0.09	0.10
UC 38	0.009	0.74				
UC 44	0.103	2.11	0.47	0.034	1.96	1.69
UC 46	0.124	4.27	0.026	0.037	2.49	3.05
UC 48	0.013	0.65				
UC 49	0.084	1.49	0.067	0.033	1.41	1.30
UC 50	0.025	0.09	0.006	0.10	0.76	0.74
UC 51	0.013	1.27				
UC 52	0.008	0.51				
UC 54	0.006	0.01				
UC 55	0.103	10.06	0.073	0.080	7.37	11.02
UC 57	0.023	0.49	0.018	0.047	0.58	0.54
UC 58	0.910	0.451	0.173	0.466	2.10	3.13
UC 59	0.041	1.27	0.039	0.050	1.40	1.38

Assayed 24 February 1982 by
Miller-Kappes Ltd., Reno, Nevada