

ARIS SUMMARY SHEET

District Geologist, Nelson

Off Confidential: 89.04.05

ASSESSMENT REPORT 17464

MINING DIVISION: Nelson

PROPERTY: Golden Age  
LOCATION: LAT 49 24 00 LONG 117 13 00  
UTM 11 5471726 484279  
NTS 082F06E

CLAIM(S): Golden Age 2  
OPERATOR(S): Lepinski, J.  
AUTHOR(S): Gower, S.C.  
REPORT YEAR: 1988, 37 Pages

COMMODITIES  
SEARCHED FOR: Gold, Silver, Multielement

GEOLOGICAL  
SUMMARY: Shear zones which cut Rossland volcanics are mineralized with gold and silver. Numerous gold in soil anomalies require follow-up. An underground working follows a major mineralized shear zone.

WORK  
DONE: Geological, Geochemical  
GEOL 8.3 ha  
Map(s) - 1; Scale(s) - 1:200  
ROCK 30 sample(s) ;ME  
Map(s) - 2; Scale(s) - 1:200

RELATED  
REPORTS: 03303, 03304, 06379, 13682  
MINFILE: 082FSW185

LOG NO: 0629	RD.
ACTION:	
FILE NO:	

STATEMENT OF COSTS

1988 Field Program

FIELD PERSONNEL

**FILMED**

Wages: E. M. Thompson -	
March 28, 29, 30, 31, April 1, 2, 3, 4	
(8 days @ \$125)--	\$ 1,000.00
S. C. Gower -	
March 28, 29, 30, 31, April 1, 2, 3, 4	
(8 days @ \$275) -	\$ 2,200.00

ASSAYS

Min-En Labs - 30 rock assays, 22 ICP -	\$ 488.00
Food and accommodations -	\$ 603.64
Mobilization and demobilization -	\$ 689.50
Vehicle rental - 8 days @ \$65 -	\$ 520.00
Supplies -	\$ 18.86
Report preparation, drafting, typing -	\$ 940.00
TOTAL:	\$ 6,460.00

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**17,464**

GEOLOGICAL AND GEOCHEMICAL REPORT

on

THE GOLDEN AGE PROPERTY

consisting of the

GOLDEN AGE AND GOLDEN AGE #2 MINERAL CLAIMS

NELSON MINING DIVISION

NTS 82F/6

Latitude 49°<sup>24</sup>23'N

Longitude 117°13'W

OWNER OF CLAIMS: . John B. Lepinski

OPERATOR: John B. Lepinski

CONSULTANTS: Gower, Thompson & Associates Ltd.  
#360 - 522 Seventh Street  
New Westminster, B. C. V3M 5T5

AUTHOR: Stephen C. Gower, B.Sc., F.G.A.C.

DATE: June 10, 1988



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## SUMMARY

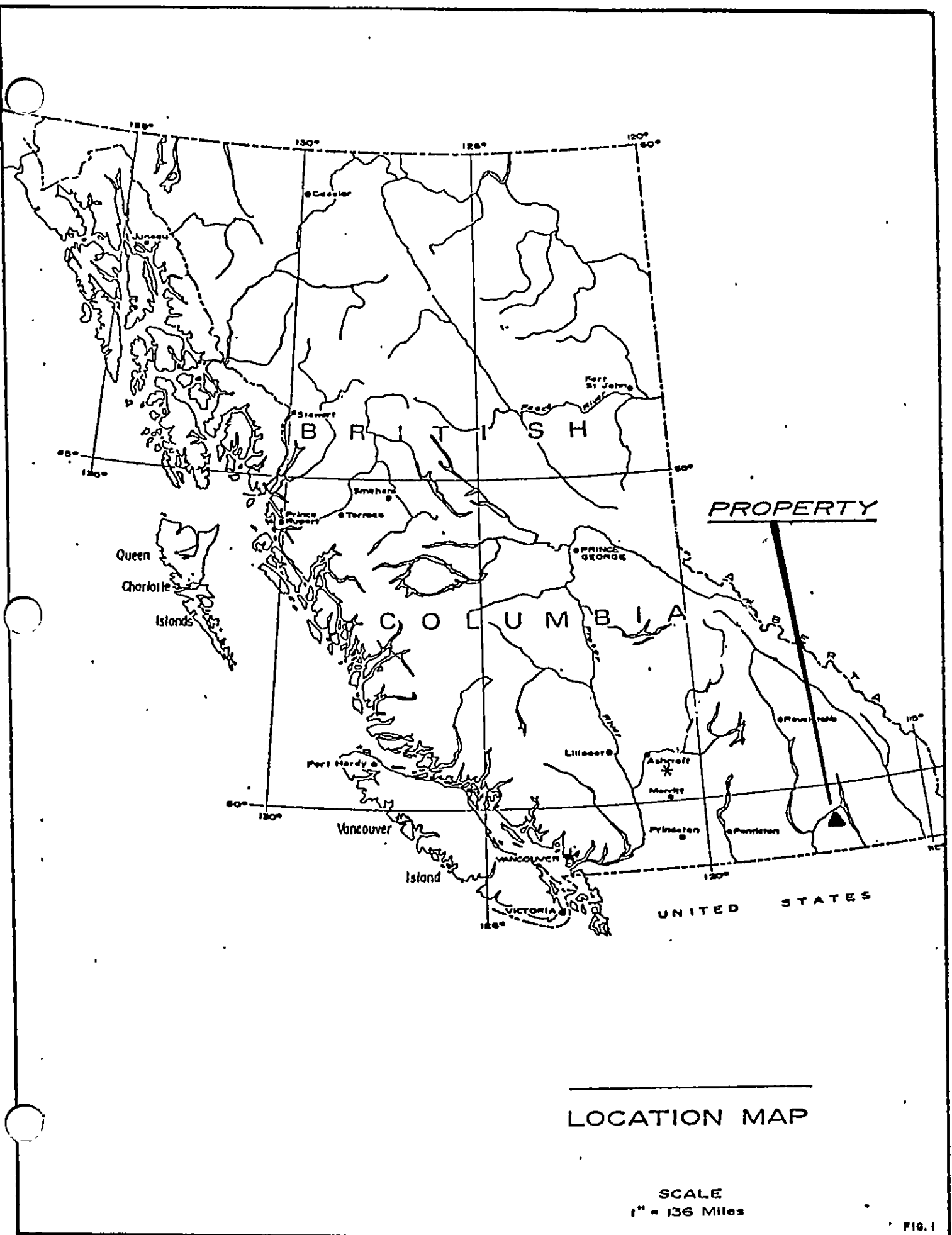
The Golden Age property is situated near the northern boundary of the Ymir lode gold camp of British Columbia. It is located approximately 13 kilometres south of Nelson, along Highway #6.

This report discusses recent mapping and sampling of the main drift carried out by Gower, Thompson & Associates Ltd. and evaluates the property based on geophysical, geochemical and geological surveys carried out by previous operators.

Preliminary metallurgical testing carried out in 1972 by the Mines Branch indicated that approximately 40% of the gold and silver occurs as locked particles with pyrite. Current technology is in place which can deal with this refractory ore without roasting and cyanidation.

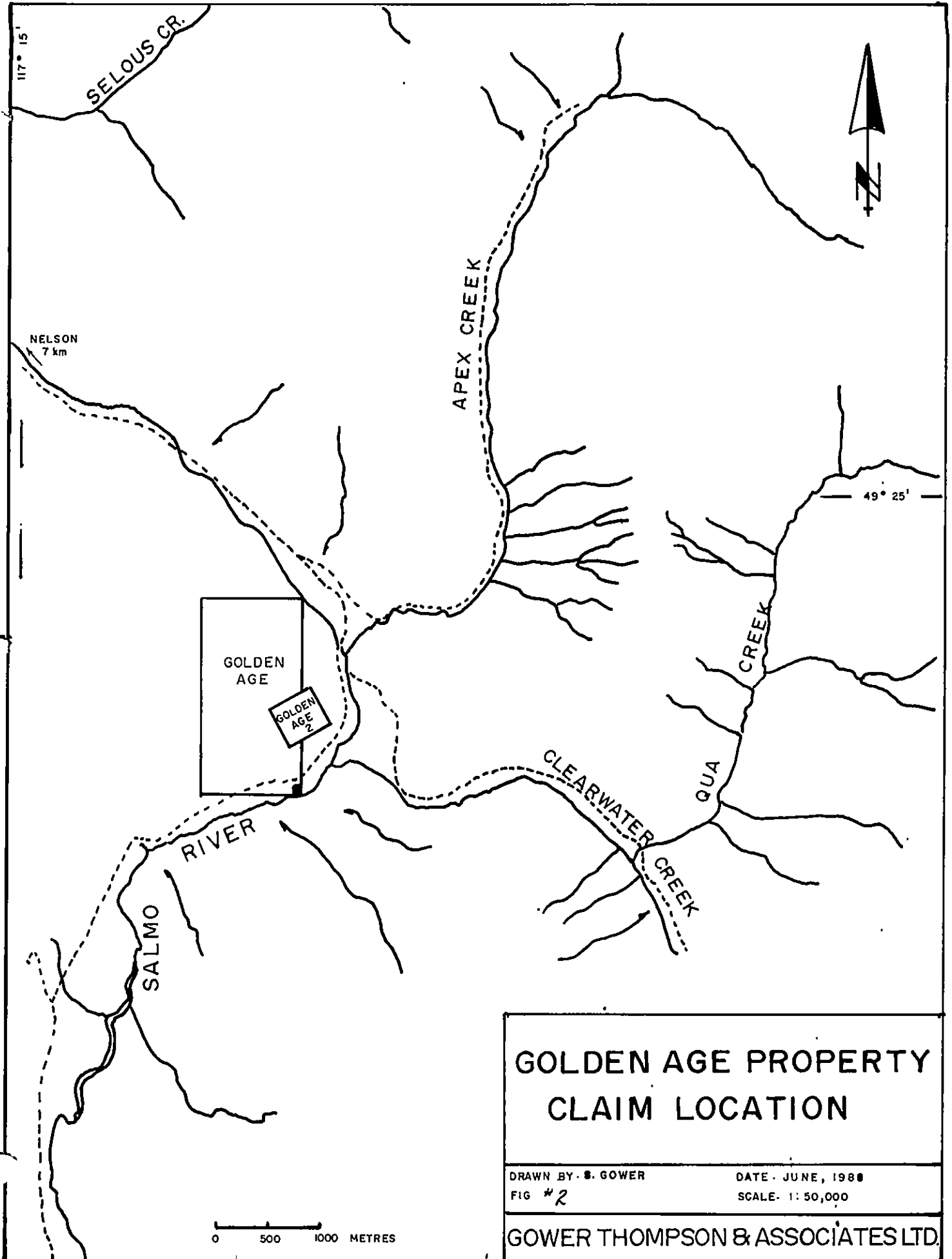
## TERMS OF REFERENCE

Gower, Thompson & Associates Ltd. were retained by John B. Lepinski to conduct an economic appraisal of the Golden Age property. As part of this work, detailed mapping and sampling of the main drift was carried out. Reports by Roberts Mines Ltd., Espina Copper Developments Ltd. and Oscar Resources Ltd. were utilized in this compilation.



LOCATION MAP

SCALE  
1" = 136 Miles



LOCATION AND ACCESS (Latitude 49°23'N; Longitude 117°13'W) (Figure 1)

The Golden Age property is located 13 kilometres south of Nelson, B. C. Access to the property is by Highway #6 from Nelson. The property is situated on an easterly facing moderately steep mountain slope underlain by shallow overburden and rock bluffs.

CLAIM STATUS (Figure 2)

The Golden Age property consists of a four-post claim (Golden Age) totalling eight units, and a two-post claim (Golden Age #2). These claims are contiguous and have been grouped ("Golden Age" Group, No. 2404, August 31, 1977).

<u>Name</u>	<u>Units</u>	<u>Record No.</u>	<u>Month of Record</u>
Golden Age	8	441	April
Golden Age #2	1	15715	November

The claims are held by John B. Lepinski who holds a 100% interest in the property.

HISTORY

The history of the property is fairly well documented. Discovery took place in 1922 after prospectors traced gold bearing float to its source on the hillside above the Salmo River. Several short adits were driven from surface on the shear zone and, in 1923, the Golden Age Company was formed. A stamp mill was constructed in

HISTORY, contd.

1928; however, it was destroyed by fire in 1929. In 1941, the property was acquired by Trimetals Mining Corp. who carried out exploration programs consisting of drifting and limited diamond drilling from underground. From 1941 to 1945, the shear zones were explored by three drifts and a total of 20 tons mined primarily for test purposes. The property was inactive until 1970 when it was acquired by Roberts Mines Ltd. During the period 1970-1973, geological and geophysical surveys were carried out. In 1973, the main drift was advanced a further 150 metres and an 88-ton shipment of unsorted muck was sent to the Trail Smelter.

Metallurgical testing was carried out by the Department of Energy, Mines and Resources from May 1972 to February of 1973, which indicated about 40% of the gold and silver was tied up with sulphides (refractory ore) and would require extraction by roasting and cyanidation. Metallurgical technology has now advanced to a point where refractory ores can be treated without the roasting. (See Appendix A - Bacon, Donaldson & Associates Ltd.)

The ground became open and was staked by John Lepinski in November 1974. The property remained idle until optioned by Espina Copper Developments in 1977. A large geochemical grid was run covering the majority of the property and soil samples procured which were analyzed for gold. A fairly small geophysical grid was run over the south portion of the main adit which provided data on the magnetic and self-potential response of the mineral zone. Large geochemical gold in soil anomalies discovered in this survey were not followed up. The option was allowed to lapse.

### HISTORY, contd.

In 1984, the property was optioned from John Lepinski by Oscar Resources Ltd., who carried out bulldozer trenching in an attempt to discover the source of some of the more southern gold in soil anomalies. Other than enhancing the gold in soil anomalies by additional close spaced sampling, this trenching was unsuccessful in exposing mineralized structures due to overburden depth. Oscar Resources Ltd. dropped their option.

The current program was carried out by Gower, Thompson & Associates Ltd. in 1988 for John Lepinski (owner). This consisted of detailed underground mapping and sampling of the main drift and a complete compilation of all data available on the property.

### GEOLOGY - ROCK DESCRIPTIONS (Figures 3, 4)

The property is underlain by a volcanic sequence which forms part of the Lower Jurassic Rosslund Formation (Little, 1960). The maximum thickness of the series is 8,500 feet. Locally, the west half of the property is underlain by andesite and the east half by augite porphyry.

#### Andesite

This rock is commonly carbonatized and silicified and often exhibits pillow structures and amygdoles. It is well fractured, faulted and sheared.

GEOLOGY - ROCK DESCRIPTIONS, contd.

Augite Porphyry

This rock consists of a medium to coarse grained greenish intrusive, containing augite phenocrysts up to 2 mm in length.

Lamprophyre Dykes

The dykes cut both rock units and vary in width from 5 mm to greater than 3 metres.

Porphyritic Syenite and Quartz Diorite

Nelson plutonic rocks outcrop west of the property.

STRUCTURE (Figure 9)

The main Golden Age vein system is located along a strong shear structure that strikes North 40° West and dips 70° West. In addition, three major northwest trending faults traverse the road cut approximately 150 metres west of the main adit.

UNDERGROUND SAMPLING - PREVIOUS SURVEYS (1971, 1972)

The following table lists pertinent sample and assay data:

UNDERGROUND SAMPLING - PREVIOUS SURVEYS, contd.

<u>Sample No.</u>	<u>Width</u>	<u>Location-Description</u>	<u>Au oz/ton</u>	<u>Ag oz/ton</u>	<u>Cu (%)</u>	<u>WO<sub>3</sub> (%)</u>
<u>Main Adit</u>						
11106	2½"	Grab sample of vein on surface above portal.	0.06	0.30	0.05	--
11108	18"	315': across sheared zone near 1st stope.	0.10	0.20	0.07	--
11109	29"	361': slight shearing and silicification	tr	tr	0.01	--
11110	24"	400': on foot wall side of 7" dyke.	tr	tr	0.02	--
11111	48"	458': slight shearing and silicification.	tr	tr	0.02	--
11112	12"	522': across 1½" wide quartz vein, pyrite and chalco.	0.16	0.30	0.07	--
11113	50"	580': chip sample across back.	0.04	0.80	0.03	--
11114	36"	650': channel sample across shear zone.	0.18	0.20	0.05	--
11115	60"	750': chip sample across back.	tr	tr	0.01	--
11116	24"	821': across silicified zone near stope.	0.08	0.10	0.04	--
11117	38"	876': in pillar between 2 stopes.	0.56	1.50	0.80	--
11118	35"	868': in pillar, sheared and folded zone.	0.22	0.60	0.34	--
11119	24"	907': slashed up area in main drift.	0.20	1.30	0.38	--
11120	39"	975': sheared, drag folded silicified zone.	tr	tr	0.01	--
11121	53"	1100': across 3 narrow quartz stringers.	0.02	0.10	0.03	--
11122	48"	1200': slightly sheared-silicified zone.	tr	tr	0.02	--

UNDERGROUND SAMPLING - PREVIOUS SURVEYS, contd.

<u>Sample No.</u>	<u>Width</u>	<u>Location-Description</u>	<u>Au oz/ton</u>	<u>Ag oz/ton</u>	<u>Cu (%)</u>	<u>WO<sub>3</sub> (%)</u>
11123	54"	1300': slightly sheared-silicified zone.	tr	tr	0.01	--
11124	32"	1400': on foot wall side of narrow dyke.	0.04	0.10	0.11	0.07
11125	27"	1424': fluorescent zone on NE well near face.	0.20	0.80	0.10	0.23
<u>Other Samples</u>						
11105	2½"	Vein material in road-cut 602' east of portal.	tr	--	--	--
11126	45"	Upper adit, 85' in from portal.	0.20	0.70	0.09	0.01

Three mineralized shoots exist in the main drift:

1. An upper shoot which passes through its 880 stope.
2. A lower shoot in the lower stope and slashed-up area.
3. End of main drift.

GEOPHYSICAL SURVEYS (Cochrane, June 26, 1971)

Magnetometer Surveys (Figure 4)

A magnetometer survey was carried out using a Scintrex Model MF-2 Fluxgate Magnetometer. Individual readings ranged from a low of -260 to a high of 730 gammas. The areas underlain by andesite have a magnetic expression predominantly in the -100 to +100 range; the areas underlain by augite porphyry in the +100 to +200 gamma range. Lamprophyre dykes give a high magnetic response at Stations 0+00 on the baseline, 0+00N, 1+150E, and at 8+40E and 14E on the road traverse.

## GEOPHYSICAL SURVEYS, contd.

### Magnetometer Surveys, contd.

The isomagnetic trends are generally elongated along north-northwest directions parallel to the shear zones and dyke systems. The main shear zone exhibits a neutral magnetic response except in the proximity of magnetic dykes.

### Self-Potential Surveys (Figure 4)

A self-potential survey was carried out in conjunction with the magnetic survey. Known mineralization cut by the underground workings was observed to give a weak SP response. Significant SP anomalies associated with anomalous magnetic response were observed both east and west of the known shear zones. These form valid geophysical anomalies warranting further exploration.

### Electromagnetic Surveys

A Ronka EM-16 unit was utilized to carry out specific traverses. Filtered data provided in-phase "bumps" adjacent to the approximate vein positions. A detailed electromagnetic survey may be useful in outlining shear zones under drift cover.

## TRENCHING - OSCAR RESOURCES 1984

Bulldozer trenching was carried out by Oscar Resources in 1984. Three trenches were cut with a D8 bulldozer moving approximately 82,000 cubic feet of overburden. The trenching attempted to

TRENCHING - OSCAR RESOURCES 1984, contd.

discover the source of weakly anomalous gold in soil values discovered in 1977 surveys. Three separate trenches totalling 1,180 feet were cut. Trench One exposed 7-8% bedrock. Soil samples were collected every ten feet (3 metres). Results are plotted on Figure 5. No significant values were discovered.

Trench Two exposed almost continuous bedrock over a length of 500 feet (152 metres) on the southeast wall. Soil samples were taken over 20-foot (6.1-metre) lengths and plotted on Figure . Anomalous gold in soil values extend from the northeast end of the trench southwest for a distance of 200 feet (61 metres). This anomaly requires further follow-up (Figure 6).

Trench Three failed to penetrate to bedrock. A gold in soil anomaly occurs in the central portion of the trench. This anomaly also requires follow-up (Figure 7).

Trench One was filled and recontoured. Trench Two was cross-ditched to minimize erosion. Trench Three was sloped to allow drainage. All trenches were seeded.

UNDERGROUND SAMPLING - GOWER, THOMPSON & ASSOCIATES LTD. 1988 (Figure 9)

The following are sample notes from the Main Drift:

AGE-88-001 - Sample across massive quartz lens. Seams of pyrite present parallelling walls. Resample of 11125.

Width: 0.22 metres

Assay: 0.205 oz/ton Au

UNDERGROUND SAMPLING - GOWER, THOMPSON & ASSOCIATES LTD. 1988, contd.

AGE-88-002 - Sample of sericitized footwall adjacent to 001.  
Andesite; banded pyrite, silicious.

Width: 0.1 metres

Assay: 0.016 oz/ton Au

AGE-88-003 - Representative grab sample. Shear zone cutting  
andesite, pyritic.

Width: 1.0 metres

Assay: 0.004 oz/ton Au

AGE-88-004 - Sample across quartz lens along strike from 001.  
Clumps and bands of sulphides.

Width: 0.8 metres

Assay: 0.102 oz/ton Au

AGE-88-005 - Sample of same quartz lens as 001, 004 including some  
sheared andesite footwall. Abundant pyrite.

Width: 0.4 metres

Assay: 0.135 oz/ton Au

AGE-88-006 - Sample from swarm of quartz veinlets in andesite  
against hanging wall side of shear zone. Pyritic.

Width: 0.2 metres

Assay: 0.053 oz/ton Au

AGE-88-007 - Sample of shear zone in andesite against hanging wall.  
Clay gouge, fragmental quartz, ground sulphides.

Width: 0.4 metres

Assay: 0.029 oz/ton Au

UNDERGROUND SAMPLING - GOWER, THOMPSON & ASSOCIATES LTD. 1988, contd.

AGE-88-008 - Sample of clay gouge, massive quartz and sheared andesite. Seams of sulphides, predominantly pyrite.

Width: 0.45 metres

Assay: 0.132 oz/ton Au

AGE-88-009 - Sample of quartz sweat containing tourmaline in foot-wall augite andesite.

Width: 0.2 metres

Assay: 0.005 oz/ton Au

AGE-88-010 - Sample across highly sheared andesite, sericitized, silicious, sulphides, clay gouge. Against hanging wall side of zone.

Width: 1.0 metres

Assay: 0.075 oz/ton Au

AGE-88-011 - Sample across sheared and contorted argillite. Silicious matrix, quartz augens, disseminated sulphides.

Width: 1.3 metres

Assay: 0.006 oz/ton Au

AGE-88-012 - Sample across silicified argillite. Pyrite, chalcopyrite and arsenopyrite. Directly below 0.11.

Width: 0.4 metres

Assay: 0.103 oz/ton Au

AGE-88-013 - Sample across brecciated argillite, variably silicious.

Width: 0.2 metres

Assay: 0.003 oz/ton Au

UNDERGROUND SAMPLING - GOWER, THOMPSON & ASSOCIATES LTD. 1988, contd.

AGE-88-014 - Sample across sheared andesite; quartz veinlets; local breccia. Seams of sulphides, chlorite, sericite. Sample approximately 1.5 metres into footwall from 013. It cuts the same shear zone as 012.

Width: 0.6 metres

Assay: 0.114 oz/ton Au

AGE-88-015 - Sample across silicious shear zone cutting argillite. Same lens as 012 and 013. Abundant fragmental sulphides.

Width: 0.2 metres

Assay: 0.734 oz/ton Au

AGE-88-016 - Sample across sheared andesite cut by quartz stringers. Abundant sulphides. Sample against hangwall.

Width: 0.25 metres

Assay: 0.075 oz/ton Au

AGE-88-017 - Sample across quartz vein along shear zone. Abundant sulphides.

Width: 0.5 metres

Assay: 0.116 oz/ton Au

AGE-88-018 - Sample across seams of massive sulphide, pyrite, chalcopyrite, arsenopyrite. Core of quartz-sericite schist.

Width: 0.2 metres

Assay: 1.193 oz/ton Au

UNDERGROUND SAMPLING - GOWER, THOMPSON & ASSOCIATES LTD. 1988, contd.

AGE-87-019 - Sample of quartz rich shear zone against hanging wall.  
Sample consists of massive quartz, sheared andesite and clay gouge.

Width: 0.5 metres

Assay: 0.100 oz/ton Au

AGE-87-020 - Sample of massive sulphides; same zone as 018. Some strataform quartz bands.

Width: 0.2 metres

Assay: 0.601 oz/ton Au

AGE-87-021 - Sample across shear zone against footwall. Sample consists of clay gouge, contorted andesite, quartz stringers.

Width: 1.5 metres

Assay: 0.168 oz/ton Au

AGE-87-022 - Sample across sheared andesite. Massive sulphides, chalcopyrite, pyrite and quartz.

Width: 0.1 metres

Assay: 0.117 oz/ton

AGE-87-023 - Sample across shear zone between 022 and footwall. Sheared andesite, quartz stringers and clay gouge.

Width: 1.2 metres

Assay: 0.018 oz/ton Au

UNDERGROUND SAMPLING - GOWER, THOMPSON & ASSOCIATES LTD. 1988, contd.

AGE-88-024 - Sample across sheared andesite against footwall.

Highly contorted, abundant gouge, folded quartz veinlets, sulphides.

Width: 0.4 metres

Assay: 0.036 oz/ton Au

AGE-88-025 - Sample across contorted and sheared andesite.

Limonitic gouge. Rounded fragments of andesite.

Width: 0.25 metres

Assay: 0.006 oz/ton

AGE-88-026 - Sample across banded argillite, sheared; against

hanging wall. Silicious, pyritic.

Width: 0.8 metres

Assay: 0.061 oz/ton Au

AGE-88-027 - Sample of footwall zone adjacent to 026. Sheared

argillite; clay, sericite.

Width: 0.7 metres

Assay: 0.042 oz/ton Au

AGE-88-028 - Sample across argillite. Banded quartz parallel to

bedding planes (laminated). Minor sulphides seams.

Width: 0.5 metres

Assay: 0.059 oz/ton

AGE-88-029 - Sample across same stratigraphy as 028, but 0.6 metres

lower into footwall. Banded argillite.

Width: 0.2 metres

Assay: 0.064 oz/ton Au

UNDERGROUND SAMPLING - GOWER, THOMPSON & ASSOCIATES LTD. 1988, contd.

AGE-88-030 - Grab sample of silicious zone cutting argillite containing banded sulphides.

Width: 1.5 metres

Assay: 0.011 oz/ton Au

GEOCHEMICAL SOIL SAMPLING (Figure 3)

A detailed soil sampling survey was carried out in 1977 by Espina Copper Developments Ltd. Upper "B" horizon soil samples were collected at 25-metre intervals along cross lines spaced 50 metres apart from an average depth of 20 cm. The samples were screened to -80 mesh at Min-En Labs of North Vancouver and analyzed for gold. The grid lines were checked by tie lines and corrected. A total of 874 samples were analyzed for gold with values ranging from less than 5 ppb to a high of 1,950 ppb. Approximately 40% of the values fell into the 5-10 ppb range. Values of from 20-30 ppb gold were classified as weakly anomalous; values from 30-50 ppb were classed as moderately anomalous; values greater than 50 ppb were considered highly anomalous.

A total of 81 samples were classified as moderately to highly anomalous.

The most widespread gold anomaly is situated in the northeast portion of the grid between lines 7+50 to 10+00 north. The anomaly is generally elongated to the northeast and is up to 125 metres wide by 250 metres long.

GEOCHEMICAL SOIL SAMPLING, contd.

A peak high of 380 ppb gold occurs at 4+50E on line 6+50N.

An elongated north-south trending gold anomaly occurs between 5+00N and 1+50N, approximately 200 metres west of the main adit zone. This anomaly is 225 metres long by 50 metres wide. It appears to be the geochemical expression of a parallel mineral system to the one explored by the main adit. It may be related to the shear zones and dyke systems exposed 200 metres west of the main portal on the road cuts. An extension of this anomaly, possibly the geochemical expression of a sub-parallel system, occurs between 2+50N and 0+50N.

The highest value of 1,950 ppb gold occurs 50 metres east of the main adit zone and is probably the result of man-made dispersion. The surface outcropping of the the north end lode occurrence in the main drift probably is the source of the 305 ppb and 95 ppb anomalies on line 3+50N at 3+25E and 3+50E.

High values of 310 ppb gold on line 4+00N, 4+50E and 380 ppb on line 6+50N, 4+50E should be followed up by prospecting and trenching.

A northeast elongated anomalous gold-in-soil zone occurs between 8+50N to 10+00N on the west central portion of the grid. A spot high of 695 ppb on line 8+00N, 1+75W is surrounded to the south by moderately anomalous values which trend to line 7+00N.

A localized gold in soil anomaly with a high of 140 ppb occurs between lines 4+50N to 5+50N near the west side of the grid.

## CONCLUSIONS

The property occurs at near the north end of the Ymir gold camp in a known area of former producers of gold and silver. The property was discovered in 1920 at a time when attention was being focused on other gold areas. The Golden Age Property has shipped ore from exploration workings.

The property is well located relative to infrastructure, a stable labour force, access and electrical power. Surface workings consisting of an upper and lower adit have discovered a number of enechelon shoots of gold and silver mineralization which appear to be hosted in a major northwest trending system. The mineralized shear zone is open along strike both to the north and south and has not been explored down dip.

Gold-in-soil anomalies indicate additional mineralization is present on the property both in fairly narrow zones and in widespread gold anomalies possibly representing replacement mineralization.

Current technology is in place to easily treat refractory type gold-silver ores without smelting. This should overcome the metallurgical problems encountered on the property during the early 1970's.

## RECOMMENDATIONS

Phase I would consist of backhoe trenching of the gold in soil anomalies required to evaluate the source material. Mapping and sampling of trenching is required. Geophysical surveys consisting

RECOMMENDATIONS, contd.

of magnetics, electromagnetics and resistivity should be run to assist in the locating of trenches. The upper stope raised from the main drift should be re-laddered for access.

Phase II would consist of diamond drilling to test targets generated in Phase I and spotted from analyses of previous data.

PRELIMINARY COST ESTIMATES

PHASE I

Road building -	\$ 45,000
Geophysical surveys -	\$ 30,000
Backhoe trenching -	\$ 50,000
Geological, mapping and sampling -	\$ 10,000
Assaying -	\$ 10,000
Rehabilitation of main adit -	\$ 4,000
Transportation and support -	\$ 10,000
Engineering and report -	\$ 5,000
	<u>          </u>
TOTAL:	\$ 164,000
	=====

PHASE II

Contingent on successful results in Phase I, surface diamond drilling from existing roads 4,000 feet (1,220 metres) at total cost of \$50/foot -	\$ 200,000
	=====

The time required to complete Phase I is estimated to take three months. Phase II is expected to require an additional two months.

CERTIFICATE

I Stephen C. Gower, of 985 Gatenbury Street, Coquitlam, B. C., do hereby certify that:

1. I have been practising as a Professional Geologist for a period of approximately 18 years for mining exploration and consulting companies.
2. I obtained a B.Sc. in Geology from U.B.C. in 1970 and have taken Masters courses in Property Evaluation and Property Exploration.
3. I am a Fellow in the Geological Association of Canada.
4. The work in this report was carried out by Gower, Thompson & Associates Ltd. during the period March 29 to April 6, 1988.
5. I consent to the use of this report in or in connection with a prospectus relating to the raising of funds.



Stephen C. Gower, B.Sc., F.G.A.C.

APPENDIX A

ASSAY RESULTS

MIN-EN LABS

INVOICE

MIN-EN LABORATORIES LTD.  
5 WEST 15TH STREET  
NORTH VANCOUVER, B.C.  
CANADA V7M 1T2

INVOICE No 8485C  
PAGE : 1 OF 1  
DATE : Apr 14/88

PHONE: (604)980-5814 OR 988-4524  
TELEX: VIA USA 7601067 FAX: (604)980-9621

TO : GOWER THOMPSON & ASSOC.  
360-522-7TH ST.,  
  
NEW WESTMINSTER, B.C.  
V3M 5P5

FILE No: G-396  
PROJECT: AGE  
  
ACCOUNT: 10792

ATTENTION: STEVE GOWER

QTY DESCRIPTION	UNIT PRICE	AMOUNT
30 ROCK ASSAY - AU	8.00	240.00
22 GEOCHEM - 31 ELEMENT TRACE ICP	6.50	143.00
30 ASSAY SAMPLE PREP	3.50	105.00
	* TOTAL *	488.00

THESE ARE PROFESSIONAL SERVICES AND ARE PAYABLE WHEN RENDERED.  
OUTSTANDING BALANCES OVER 30 DAYS WILL BE CHARGED 2% INTEREST/MONTH.

**MIN-EN LABORATORIES LTD.**

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7H 1T2

TELE: (604) 930-5914 OR (604) 968-4524

TELEX: VIA USA 7661967 UC

Certificate of ASSAY

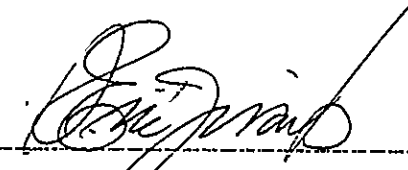
Company: GOWER THOMPSON & ASSOC. LTD.  
 Project: AGE  
 Attention: S. GOWER

File: B-125/P  
 Date: APR. 13, 88  
 Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
AGE 88 001	7.03	0.205
AGE 88 002	.56	0.016
AGE 88 003	.15	0.004
AGE 88 004	3.50	0.102
AGE 88 005	4.64	0.135
AGE 88 006	1.80	0.053
AGE 88 007	.98	0.029
AGE 88 008	4.53	0.132
AGE 88 009	.18	0.005
AGE 88 010	2.56	0.075
AGE 88 011	.21	0.006
AGE 88 012	3.53	0.103
AGE 88 013	.07	0.002
AGE 88 014	3.71	0.114
AGE 88 015	25.15	0.774
AGE 88 016	2.56	0.075
AGE 88 017	3.99	0.116
AGE 88 018	40.90	1.193
AGE 88 019	3.42	0.100
AGE 88 020	20.60	0.601
AGE 88 021	5.75	0.168
AGE 88 022	4.02	0.117
AGE 88 023	.63	0.018
AGE 88 024	1.25	0.036
AGE 88 025	.22	0.006
AGE 88 026	2.10	0.061
AGE 88 027	1.43	0.042
AGE 88 028	2.01	0.059
AGE 88 029	2.20	0.064
AGE 88 030	.38	0.011

Certified by



MIN-EN LABORATORIES LTD.

COMPANY: GOWEN THOMPSON & ASSOC. LTD.

MIN-EN LABS ICP REPORT

ACT:F31) PAGE 1 OF 3

PROJECT NO: AGE

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: S-396

ATTENTION: S. GOWEN

(604)980-5814 DR (604)980-4524

\* TYPE ROCK BEECHEN \*

DATE: APRIL 13, 1988

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE	K
AGE 88 001	24.6	1150	39	16	47	.8	1	13275	10.2	7	2009	24825	940
AGE 88 004	10.7	1400	14	2	61	.9	4	21130	2.0	4	303	27770	1050
AGE 88 005	10.1	1600	15	1	100	1.1	2	22710	3.4	4	350	24010	1200
AGE 88 006	3.5	1340	14	3	84	1.0	6	37520	2.4	6	225	2230	2540
AGE 88 007	3.5	8150	1	10	430	.8	1	49160	1.4	5	98	21210	4560
AGE 88 008	17.5	4450	15	4	143	1.5	1	34650	2.0	4	1674	43720	2750
AGE 88 010	6.7	4310	13	5	159	1.4	2	30650	2.2	5	190	41710	2660
AGE 88 012	7.7	3070	17	5	163	1.2	1	23960	2.0	6	231	38140	2050
AGE 88 014	12.8	2670	18	2	197	1.0	2	29840	1.3	5	856	29250	1880
AGE 88 015	163.6	1420	32	4	120	1.5	9	13210	137.9	3	7993	48860	890
AGE 88 016	13.1	3650	12	4	220	1.0	1	75030	4.5	5	900	30090	2140
AGE 88 017	15.3	3990	20	6	151	1.4	2	24240	7.5	8	2378	44510	2590
AGE 88 018	94.1	3070	34	3	82	3.0	9	28920	9.8	5	14421	164830	1790
AGE 88 019	16.2	2810	19	3	99	1.2	2	47050	4.1	5	1142	36250	1860
AGE 88 020	29.1	7560	21	10	34	2.0	1	34260	3.5	5	1492	65760	1990
AGE 88 021	7.6	5610	12	9	265	1.1	2	44840	.9	5	270	34510	2250
AGE 88 022	8.3	4950	37	7	57	2.6	3	26310	2.3	2	136	86190	3090
AGE 88 024	3.2	4890	12	9	460	.8	3	29210	2.1	5	118	23970	3190
AGE 88 026	6.0	5850	26	8	144	1.6	1	29770	2.3	8	209	50140	3770
AGE 88 027	4.0	8440	18	9	200	1.3	2	31930	2.2	10	140	40330	4210
AGE 88 028	5.4	9230	12	10	100	1.1	1	46130	1.5	9	387	32270	4130
AGE 88 029	16.2	6770	50	11	106	2.1	4	52280	5.0	11	2998	67660	3840

COMPANY: GOWER THOMPSON & ASSOC. LTD.

MIN-EN LABS COP REPORT

(ACT: F31) PAGE 2 OF 3

PROJECT NO: AGE

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 9-596

ATTENTION: S.GOWER

(604)980-5814 OR (604)988-4524

\* TYPE ROCK SECTION \* DATE: APRIL 13, 1988

(VALUES IN PPM)	LI	MG	MN	NO	NA	NI	P	PB	SE	SR	TH	U	V
AGE 88 001	1	4040	133	16	100	1	800	70	448	136	1	1	5.9
AGE 88 004	1	8770	426	75	50	1	580	136	13	206	1	1	9.9
AGE 88 005	1	5450	221	24	20	1	260	22	12	247	1	1	5.4
AGE 88 006	1	10630	531	11	60	2	1220	27	1	782	1	1	14.5
AGE 88 007	3	8340	571	9	150	1	2400	20	1	262	1	1	10.8
AGE 88 008	1	7740	462	11	90	1	1680	27	1	225	1	1	11.7
AGE 88 010	1	3520	468	15	90	1	1700	25	1	213	1	1	13.3
AGE 88 012	1	10050	441	151	120	3	1480	42	1	166	1	1	14.8
AGE 88 014	1	9640	446	12	70	3	1350	32	1	263	1	1	10.5
AGE 88 015	1	3160	166	111	20	2	1020	423	217	104	1	1	6.7
AGE 88 016	1	8960	444	45	140	1	1400	53	8	238	1	1	16.4
AGE 88 017	1	9930	260	51	120	1	1080	52	10	156	1	1	17.4
AGE 88 018	1	9100	391	10	70	2	2130	63	26	153	1	1	15.8
AGE 88 019	1	20000	1208	36	110	1	1610	33	9	161	1	1	29.9
AGE 88 020	6	14520	624	47	60	3	1670	39	2	219	1	1	28.8
AGE 88 021	4	10370	685	32	80	1	1660	29	1	194	1	1	13.3
AGE 88 022	1	3440	304	1	80	1	1950	37	3	149	1	1	11.5
AGE 88 024	1	6040	417	39	50	1	1500	23	1	77	1	1	14.8
AGE 88 026	1	8140	479	16	70	1	2250	35	1	80	1	1	18.7
AGE 88 027	5	8460	560	2	60	2	2500	27	1	136	1	1	21.5
AGE 88 028	8	12130	665	9	40	2	2070	32	1	252	1	1	20.0
AGE 88 029	5	11390	692	3	60	2	2190	50	3	307	1	1	21.0

COMPANY: GOWER THOMPSON & ASSOC. LTD.

HIH-EN LABS ICP REPORT

(ACT: F31) PAGE 3 OF 3

PROJECT NO: AGE

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7A 1T2

FILE NO: 8-396

ATTENTION: S. BOWER

(604) 980-8814 OR (604) 980-4524

\* TYPE ROCK BEDCHEN \*

DATE: APRIL 13, 1989

VALUES IN PPM )	ZN	BA	SH	W	CR
AGE 88 001	271	1	1	1	218
AGE 88 004	44	1	1	1	123
AGE 88 005	25	1	1	1	148
AGE 88 006	23	1	1	1	38
AGE 88 007	21	1	1	1	49
AGE 88 008	28	1	1	1	105
AGE 88 010	27	1	1	1	39
AGE 88 012	33	1	1	1	94
AGE 88 014	27	1	1	1	118
AGE 88 015	1887	1	1	1	163
AGE 88 016	65	1	1	1	116
AGE 88 017	149	1	1	1	93
AGE 88 018	100	1	2	1	92
AGE 88 019	55	1	1	1	140
AGE 88 020	51	1	1	1	73
AGE 88 021	36	1	1	1	91
AGE 88 022	25	1	1	1	120
AGE 88 024	22	1	1	1	125
AGE 88 026	37	1	1	1	77
AGE 88 027	38	1	1	1	67
AGE 88 028	46	1	1	1	43
AGE 88 029	43	1	1	1	84

COMPANY: BOWEN THOMPSON & ASSOC. LTD.

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 1 OF 3

PROJECT NO: AGE

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 8-396

ATTENTION: S. GONER

(604)980-5814 OR (604)988-4524

\* TYPE ROCK GEOCHEM \*

DATE: APRIL 13, 1988

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE	K
AGE 88 001	24.6	1430	39	16	47	.8	1	13270	10.2	3	2009	24820	940
AGE 88 004	10.7	1400	14	2	61	.9	4	21130	2.8	4	303	27770	1050
AGE 88 005	10.1	1660	16	1	100	1.1	2	22310	3.4	4	350	34010	1240
AGE 88 006	3.5	4340	14	3	84	1.0	6	37520	2.4	6	225	32000	2540
AGE 88 007	3.5	8150	1	10	436	.8	1	49160	1.4	5	98	21210	4550
AGE 88 008	17.6	4450	15	4	143	1.5	1	34660	2.6	4	1694	43720	2750
AGE 88 010	6.7	4310	13	5	159	1.4	2	30650	2.2	5	190	41710	2660
AGE 88 012	7.7	3070	17	5	163	1.2	1	23960	2.6	6	231	38140	2050
AGE 88 014	12.8	2690	18	2	197	1.0	2	29840	1.3	5	858	29250	1880
AGE 88 015	163.6	1420	32	4	120	1.5	9	13210	137.9	3	7993	48860	890
AGE 88 016	13.1	3650	12	4	220	1.0	1	35030	4.5	5	900	30090	2140
AGE 88 017	15.3	3990	20	6	151	1.4	2	24240	7.5	8	2378	44510	2590
AGE 88 018	94.1	3070	34	8	82	3.0	9	28920	8.8	5	14421	104830	1790
AGE 88 019	16.2	2810	19	3	99	1.2	2	47090	4.1	5	1142	36250	1860
AGE 88 020	29.1	7560	21	10	84	2.0	1	34260	3.5	6	1492	65760	1990
AGE 88 021	7.6	5610	12	9	205	1.1	2	44840	.9	5	270	34510	2250
AGE 88 022	8.3	4950	37	7	57	2.6	3	26310	2.3	2	138	86190	3090
AGE 88 024	3.2	4890	12	8	460	.8	3	29210	2.1	5	118	23970	3190
AGE 88 026	6.0	5850	26	8	144	1.6	1	29770	2.3	8	209	50140	3770
AGE 88 027	4.0	8440	18	9	200	1.3	2	31930	2.2	10	140	40330	4210
AGE 88 028	5.4	9230	12	10	100	1.1	1	46130	1.5	9	389	32270	4130
AGE 88 029	16.2	6970	50	11	106	2.1	4	52280	5.0	11	2998	67660	3840

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PROJECT NO: AGE

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 8-396

ATTENTION: S.GOWER

(604)980-5814 OR (604)988-4524

\* TYPE ROCK GEOCHEM \*

DATE: APRIL 13, 1988

(VALUES IN PPM)	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V
AGE 88 001	1	4040	183	16	100	1	600	90	448	128	1	1	5.9
AGE 88 004	1	8770	426	75	30	1	580	136	18	206	1	1	9.9
AGE 88 005	1	6450	321	34	30	1	860	32	12	247	1	1	8.4
AGE 88 006	1	10630	531	11	60	2	1230	23	4	359	1	1	14.5
AGE 88 007	3	8340	571	8	150	1	2400	20	1	262	1	1	13.6
AGE 88 008	1	7740	462	11	90	1	1660	27	3	325	1	1	11.7
AGE 88 010	1	8520	468	16	80	1	1700	25	1	218	1	1	13.3
AGE 88 012	1	10050	441	151	120	3	1480	42	1	166	1	1	14.8
AGE 88 014	1	9640	446	12	70	3	1350	32	1	263	1	1	10.5
AGE 88 015	1	3160	166	111	20	2	1020	423	317	104	1	1	6.7
AGE 88 016	1	8960	444	45	140	1	1400	53	8	288	1	1	16.4
AGE 88 017	1	9930	360	51	120	1	1880	52	10	156	1	1	17.4
AGE 88 018	1	9100	391	10	70	2	2130	63	26	153	1	1	15.8
AGE 88 019	1	20000	1208	30	110	1	1610	35	8	161	1	1	29.9
AGE 88 020	6	14520	624	47	60	3	1670	39	2	819	1	1	28.8
AGE 88 021	4	10370	685	32	80	1	1860	29	1	184	1	1	13.6
AGE 88 022	1	3440	304	1	80	1	1950	37	3	149	1	1	11.6
AGE 88 024	1	6040	417	39	50	1	1500	23	1	77	1	1	14.8
AGE 88 026	1	8140	479	16	70	1	2250	35	1	80	1	1	18.7
AGE 88 027	5	8460	580	2	60	2	2500	27	1	136	1	1	21.5
AGE 88 028	8	12130	665	9	40	2	2090	32	1	252	1	1	20.0
AGE 88 029	5	11390	692	3	60	2	2190	50	8	307	1	1	21.0

COMPANY: GOWER THOMPSON & ASSOC. LTD.

MIN-EN LABS ICP REPORT

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PROJECT NO: AGE

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: B-396

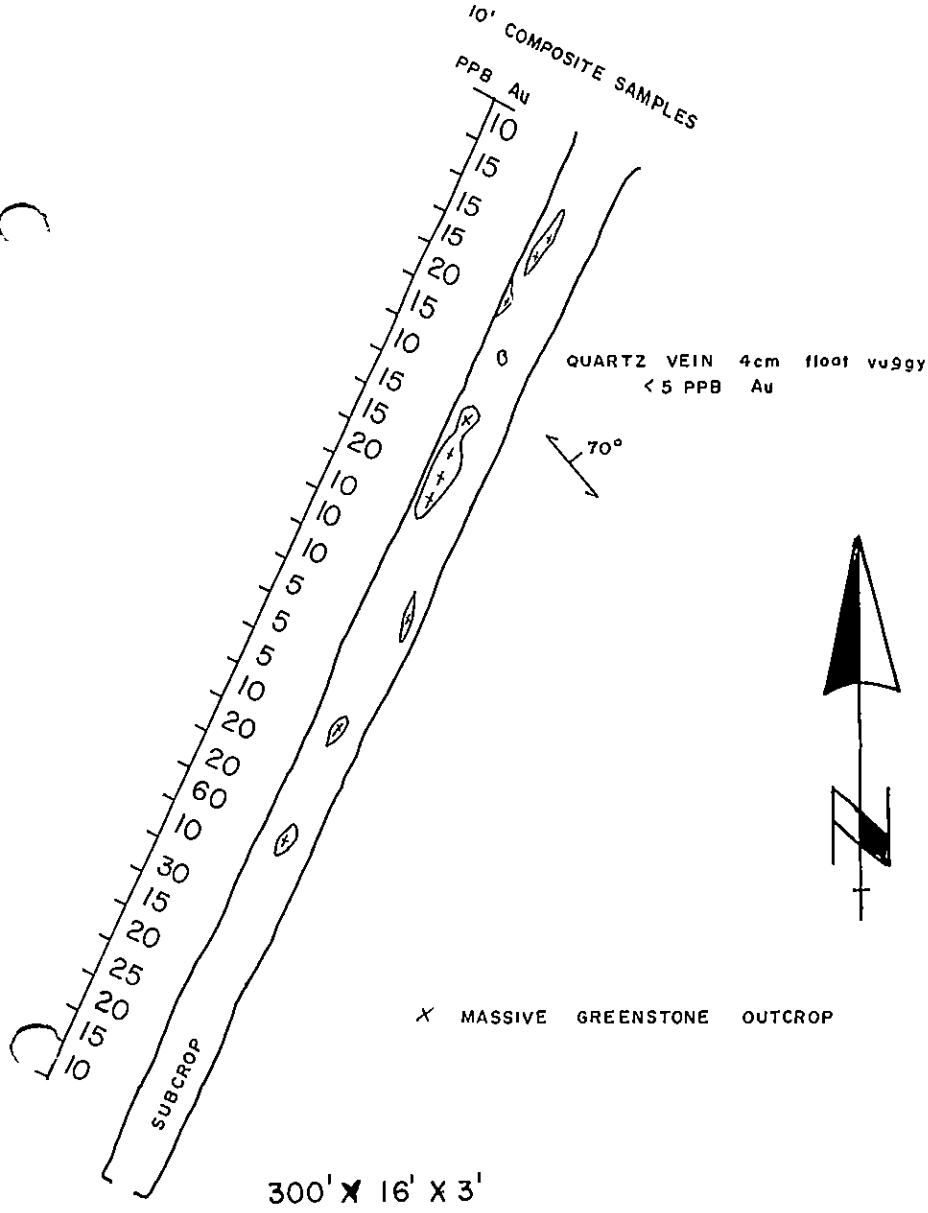
ATTENTION: S. BOWER

(604)980-5814 OR (604)988-4524

\* TYPE ROCK GEOCHEM \*

DATE: APRIL 13, 1988

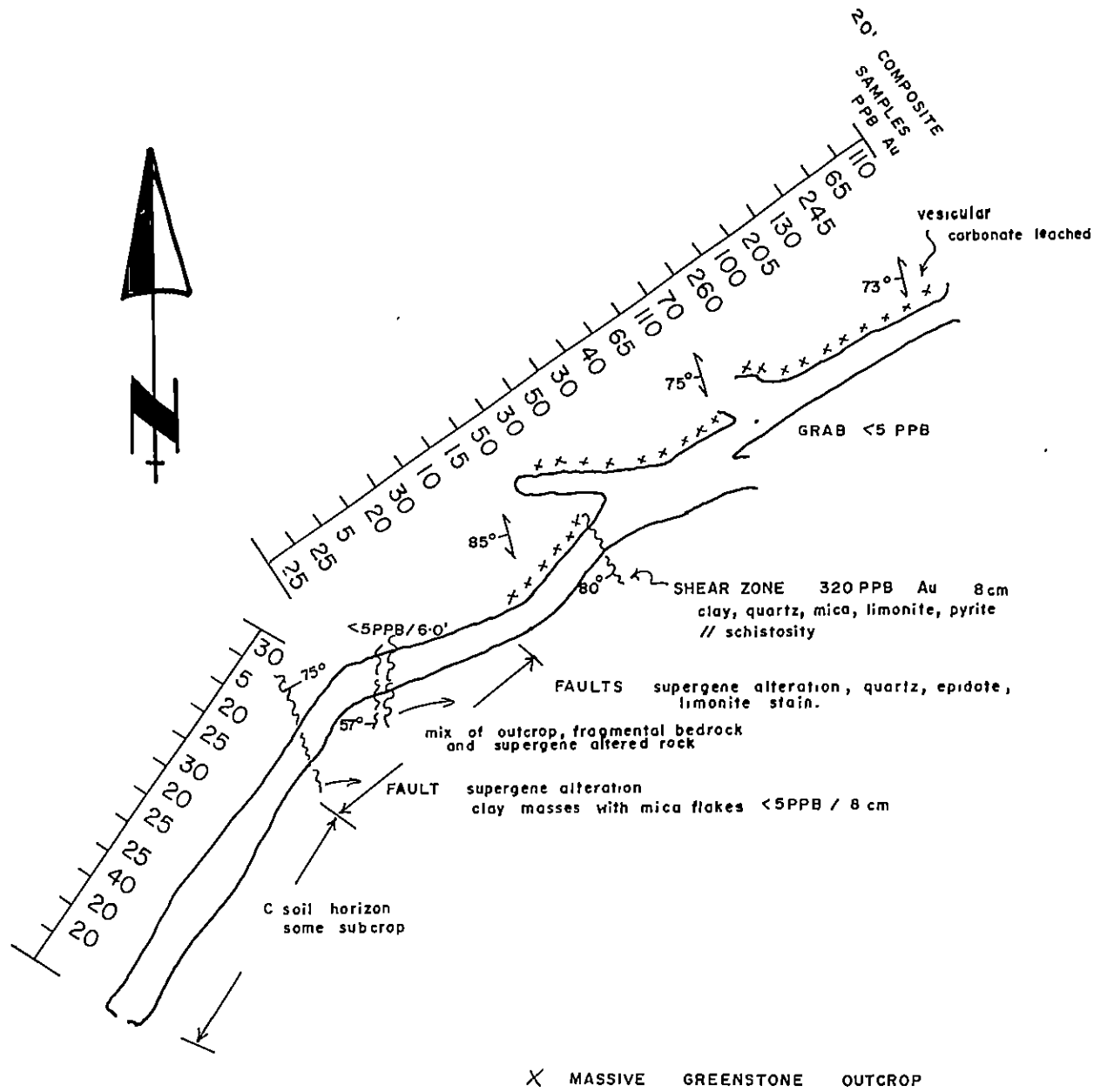
(VALUES IN PPM )	ZN	BA	SN	W	CR
AGE 88 001	271	1	1	1	218
AGE 88 004	44	1	1	1	123
AGE 88 005	25	1	1	6	148
AGE 88 006	25	1	1	5	99
AGE 88 007	21	1	1	1	49
AGE 88 008	35	1	1	1	105
AGE 88 010	27	1	1	1	89
AGE 88 012	33	1	1	1	94
AGE 88 014	27	1	1	1	118
AGE 88 015	1887	1	1	1	163
AGE 88 016	65	1	1	1	116
AGE 88 017	149	1	1	1	93
AGE 88 018	100	1	2	1	92
AGE 88 019	55	1	1	1	140
AGE 88 020	51	1	1	1	73
AGE 88 021	36	1	1	1	91
AGE 88 022	25	1	1	1	120
AGE 88 024	22	1	1	1	125
AGE 88 026	37	1	1	1	77
AGE 88 027	38	1	1	1	67
AGE 88 028	46	1	1	1	43
AGE 88 029	43	1	1	1	64



GOLDEN AGE PROPERTY  
TRENCH NO. 1

DRA BY BARRY WAY, 1984 DATE JUNE 1988  
FIG #5 SCALE 1:1200

GOWER THOMPSON & ASSOCIATES LTD

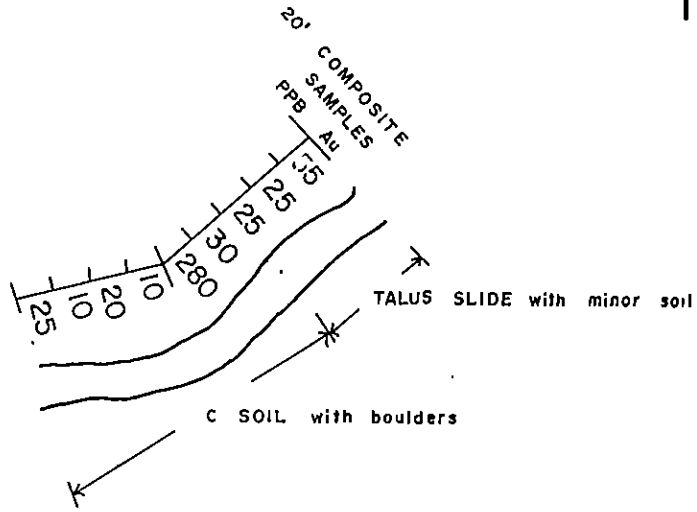


680' X 16' X 5'

# GOLDEN AGE PROPERTY TRENCH NO. 2

DRAWN BY: BARRY WAY, 1984      DATE: JUNE, 1988  
FIG. #6      SCALE: 1:1200

GOWER THOMPSON & ASSOCIATES LTD.



200' X 16' X 4'

GOLDEN AGE PROPERTY  
TRENCH NO. 3

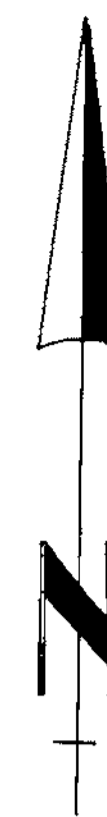
DRAWN BY BARRY WAY, 1988

DATE JUNE, 1988

#7

SCALE 1:1200

GOWER THOMPSON & ASSOCIATES LTD.



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ASSESSMENT REPORT

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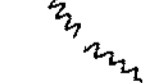
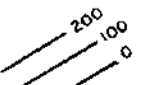

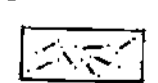
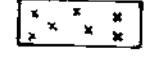

GOLDEN AGE PROPERTY  
GEOCHEMISTRY,  
CLAIM BOUNDRY & WORKINGS

DRAWN BY: S. GOWER, E. THOMPSON DATE: JUNE, 1988  
FIG. 43 SCALE: 1:2500  
GOWER THOMPSON & ASSOCIATES LTD.



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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-  SHEAR ZONE
-  MAGNETIC EXPRESSION IN GAMMA'S
-  SELF POTENTIAL ANOMALY
-  ANDESITE
-  AUGITE ANDESITE
-  DYKE

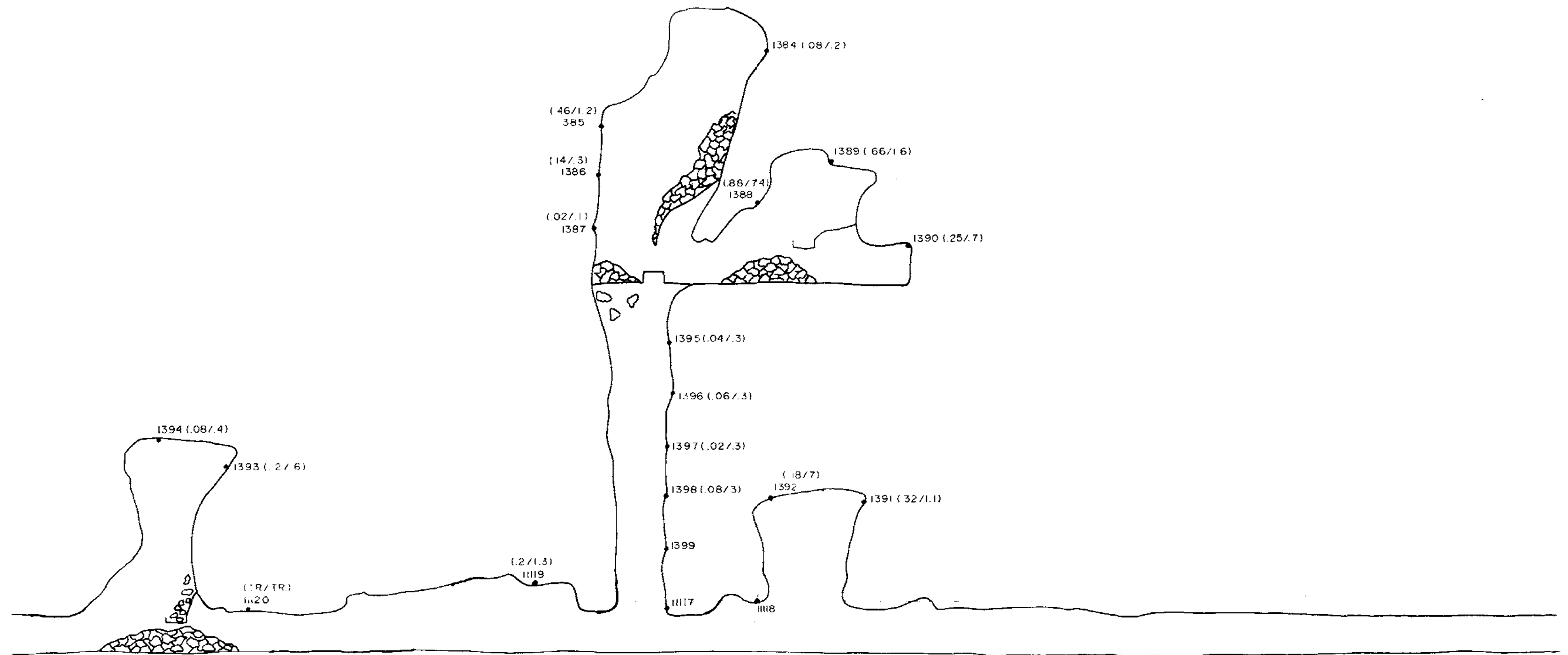
0 5 10 15 METRES

GOLDEN AGE PROPERTY  
GEOLOGY, GEOPHYSICS  
& UNDERGROUND  
WORKINGS

DRAWN BY S. GOWER, E. THOMPSON DATE: JUNE, 1988  
FIG #4 SCALE: 1:500

GOWER THOMPSON & ASSOCIATES LTD.

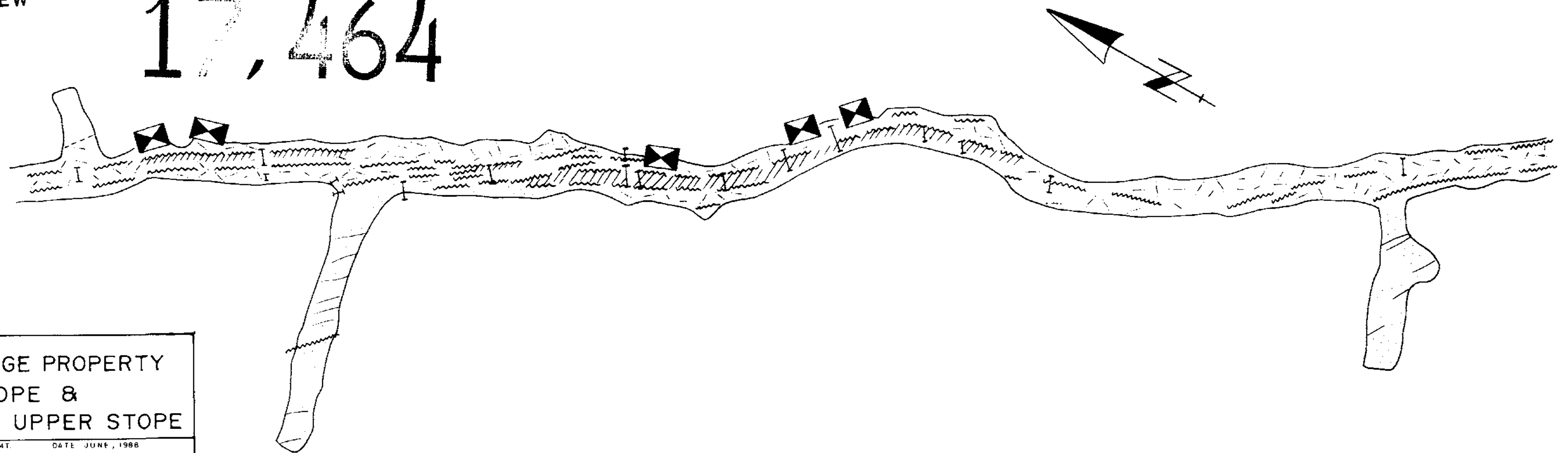
LONGITUDINAL VIEW



GEOLOGICAL BRANCH  
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PLAN VIEW

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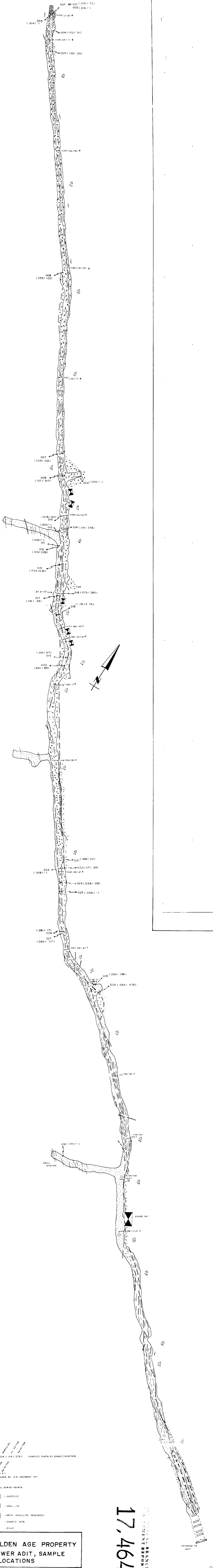


GOLDEN AGE PROPERTY  
MAIN STOPE &  
UPPER STOPE

DRAWN BY: S. GOWER E.M.T. DATE: JUNE, 1988  
FIG. 8 SCALE: 1:200

GOWER THOMPSON & ASSOCIATES LTD

SEE DETAILED MAP FOR ASSAYS (FIG 9)



AGF-BB 014 (114/376) SAMPLES TAKEN BY GOWER, THOMPSON  
 SAMPLE NO. LOCATION  
 \* 117 (56/155)  
 \* SAMPLES TAKEN BY DR COCHRANE 1971

LEGAL SURVEY POINTS  
 - ANDESITE  
 - ARGILLITE  
 - META ARGILLITE (SHEARED)  
 - QUARTZ VEIN  
 - DYKE

**GOLDEN AGE PROPERTY**  
**LOWER ADIT, SAMPLE**  
**LOCATIONS**

DRAWN BY SCG EMT DATE APRIL, 1988  
 FIG. #9 SCALE 1/200

**GOWER THOMPSON & ASSOCIATES LTD**

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ENTRANCE TO ADIT