

094251



**ASSESSMENT REPORT**

describing

**PROSPECTING**

on the

**SEYMOUR PROPERTY**

Sey 1-20 YC09221-YC09240

NTS 115I/6

Latitude 62°18'N; Longitude 137°11'W

in the

Whitehorse Mining District  
Yukon Territory

Prepared by

Archer, Cathro & Associates (1981) Limited

for

**ATAC RESOURCES LTD.**

by

W. Douglas Eaton, B.Sc. Geology  
February 2002

This report has been examined by  
the Geological Evaluation Unit  
under Section 53 (4) Yukon Quartz  
Mining Act and is allowed as  
representation work in the amount  
of \$ 2000.

*M. B. h*  
for Regional Manager, Exploration and  
Geological Services for Commissioner  
of Yukon Territory.

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## INTRODUCTION

The Seymour property was staked in February 1999 to cover unexplained gold soil geochemical anomalies within a belt of gold prospects located in the road accessible, Freegold Mountain area of central Yukon. ATAC performed a short program of prospecting, soil sampling and magnetic surveys in summer 1999.

This report describes prospecting done on June 4 and July 19, 2001 by Archer, Cathro & Associates (1981) Limited on behalf of ATAC Resources. The work was performed by the author, geologist T. Becker and fieldman M. Skookum from a camp located on the nearby Golden Revenue property. The Author's Statement of Qualifications appears in Appendix I.

## PROPERTY, LOCATION AND ACCESS

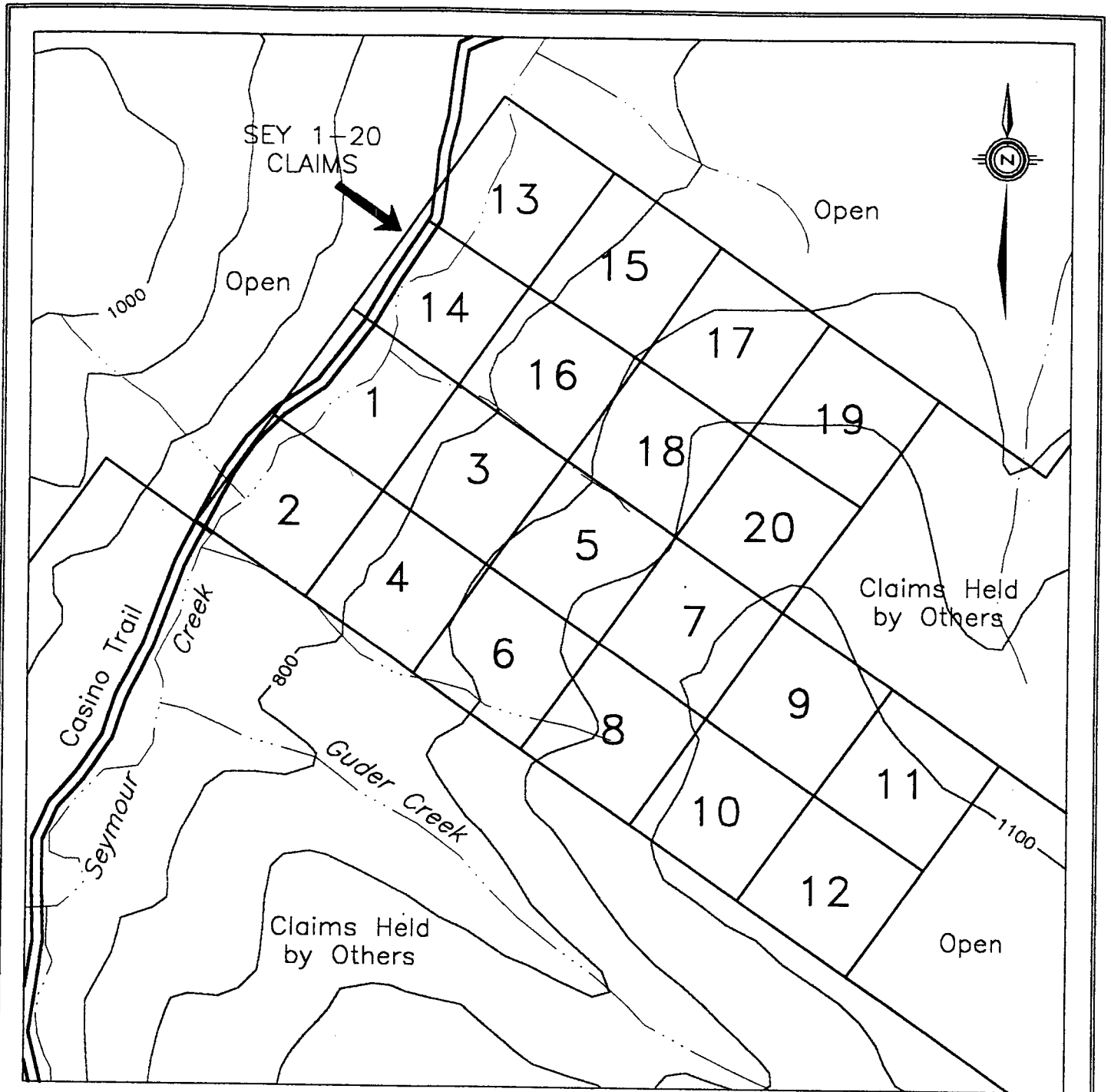
The Seymour property comprises twenty mineral claims located in central Yukon at latitude 62°18'N and longitude 137°11'W on NTS map sheet 115I/6 (Figure 1). The claims are registered with the Whitehorse Mining Recorder in the name of Archer, Cathro & Associates (1981) Limited which holds them in trust for ATAC Resources. Claim data are listed below while the locations of individual claims are shown on Figure 2.

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
Sey 1-20	YC09221-YC09240	February 22, 2002

\*does not include 2001 work which is being filed for assessment credit.

The claims are directly accessible during summer and fall using a four-wheel drive road that extends north from about Km 65 on the Freegold Road, which connects to the Klondike Highway at Carmacks, about 180 km north of Whitehorse. If required, shorter off-road access could be created by extending the road from the property 1 km to the west, across Seymour Creek to join the Freegold Road at Km 70 (Figure 3).





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FIGURE 2

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATION  
SEYMOUR PROPERTY

SCALE 1:20,000

0 200 400 600 800 1000m

FILE: ....\SE-20-PL.DWG

DATE: FEBRUARY, 2002

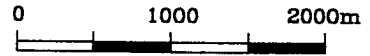
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FIGURE 3

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

# ACCESS SEYMOUR PROPERTY

SCALE 1:50,000



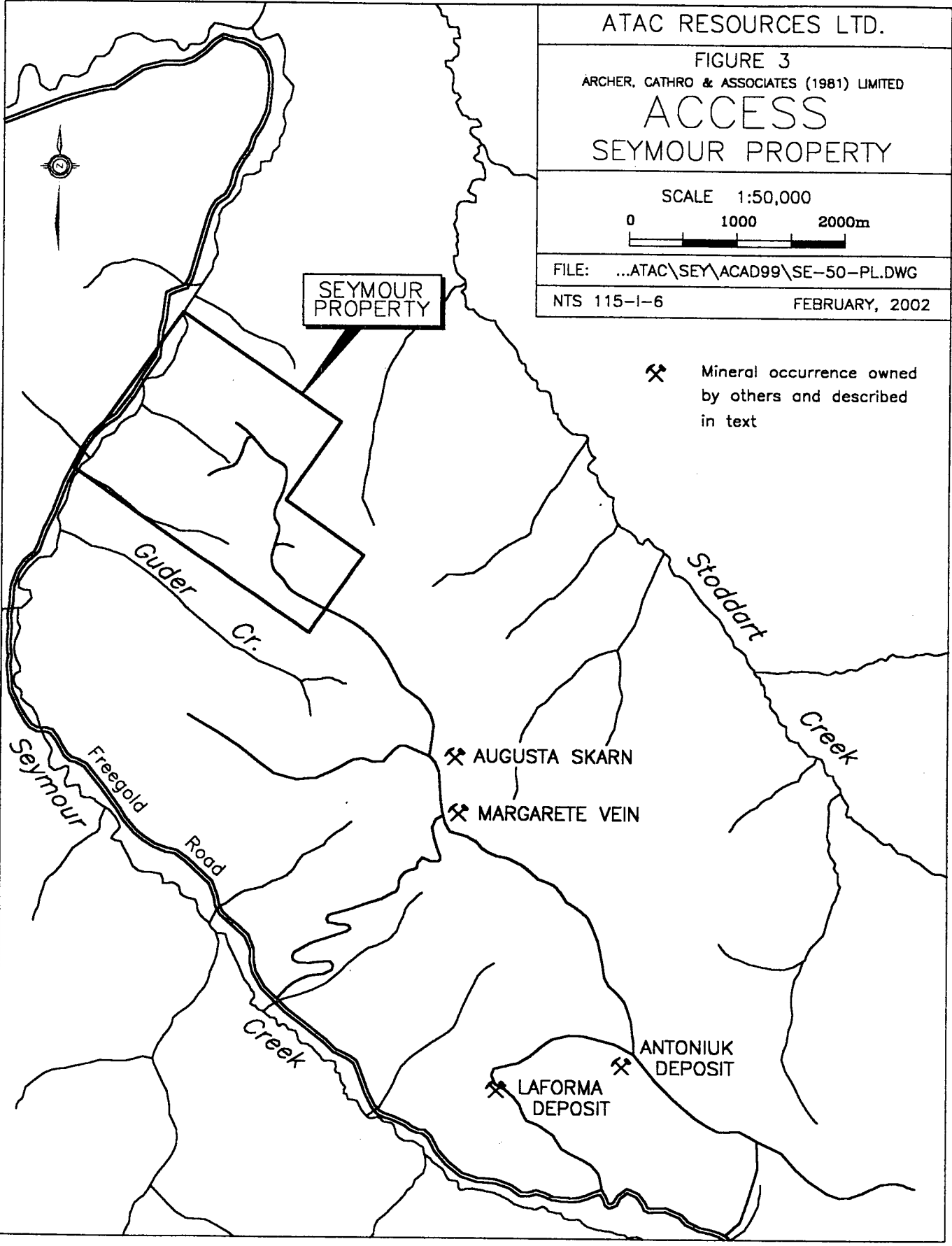
FILE: ...ATAC\SEY\ACAD99\SE-50-PL.DWG

NTS 115-1-6

FEBRUARY, 2002

⌘ Mineral occurrence owned  
by others and described  
in text

SEYMOUR  
PROPERTY



## HISTORY

Placer gold exploration has been conducted in the Freegold Mountain area intermittently since the early 1900's. Seymour Creek, the main drainage in the area, was extensively mined in the 1980's and 1990's with 2,232 oz of reported production (Placer Mining Section, 1985 and 1991; and Mining Inspection Division, 1998).

The first record of hard rock work in the area occurred in 1931 when the G3 Vein was staked at the Laforma Deposit (DIAND, 1995, 115I-54), 5 km southeast of the Seymour property (Figure 3). This prospect has been explored by a number of operators since the initial discovery. In 1964 a 113 tonne mill was constructed by Discovery Mines Limited which produced 8,653 tonnes during 1965-66 before closure due to poor recovery. In 1984 reserves at the Laforma Deposit were reportedly 181,440 tonnes grading 11.3 g/t gold.

During the past sixty years a number of other vein, skarn and stockwork gold occurrences have been identified on Freegold Mountain (Johnston, 1963). The most significant occurrences, aside from Laforma, are the Antoniuk Deposit (DIAND, 1995, 115I-111) hosting 4.2 million tonnes of stockwork mineralization grading 1.2 g/t gold; the Margarete Vein (DIAND, 1995, 115I-53) with a resource of 123,000 tonnes averaging 4.1 g/t gold and 48 g/t silver; and, the Augusta Skarn (DIAND, 1995, 115I-53) consisting of massive magnetite pods that yielded drill intersections up to 4.5 g/t gold and 46.3 g/t silver over 6 m.

The earliest reported work on what is now the Seymour property occurred in 1974 when Agillis Engineering Ltd. conducted geological mapping, soil sampling and magnetic surveys on behalf of Dynasty Exploration Limited. The soil sampling returned anomalous arsenic values in the range of 100 to 1000 ppm. The area was restaked in 1981 by Arctic Red Resources Ltd. and 1985 by Chevron Minerals Ltd., both of which conducted more soil sampling. These geochemical surveys outlined a series of linear gold anomalies (Archer and Carne, 1981 and Eaton and Walls, 1986). Big Creek Joint Venture (Big Creek Resources Ltd. and Rexford Minerals Ltd.) optioned the property in 1987 and constructed roads that year and in 1988. Big Creek Resources purchased the claims from Chevron in 1990, explored by bulldozer trenching later that year and then optioned the claims to Rinsey Mines Ltd. which conducted more trenching in 1991.

### PHYSIOGRAPHY AND GEOMORPHOLOGY

The property lies within the Yukon Plateau physiographic terrane which consists of an old peneplane that has been deeply incised by dendritic drainages. The claims cover gentle to moderately steep, west facing slopes on a ridge extending northwest from Freegold Mountain. The western edge of the claim block is on the floor of Seymour Creek which is a tributary of Big Creek and part of the Yukon River watershed. Local elevations range from 670 m along Seymour Creek to 1190 m on the ridge crest in the eastern part of the property.

The Freegold Mountain area is located a few kilometres northwest of the limit of Pleistocene continental glaciation; as a result, bedrock is deeply weathered. Glaciofluvial outwash deposits are present at lower elevations but soils in other parts of the property are locally derived, except for a volcanic ash layer deposited by a 2000 year old eruption near the Alaska-Yukon border. Permafrost is common and typical soil profiles consist of 10 to 30 cm of A Horizon organics, 0 to 20 cm of volcanic ash and 10 to 30 cm of B Horizon soil over 100 to 200 cm of C Horizon decomposed bedrock.

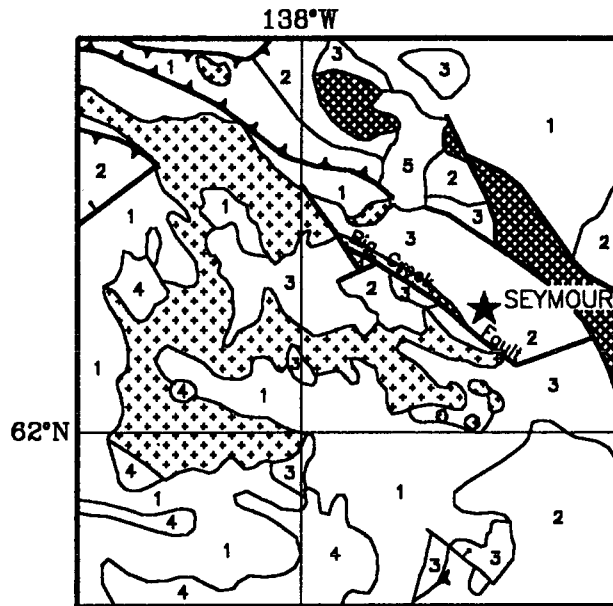
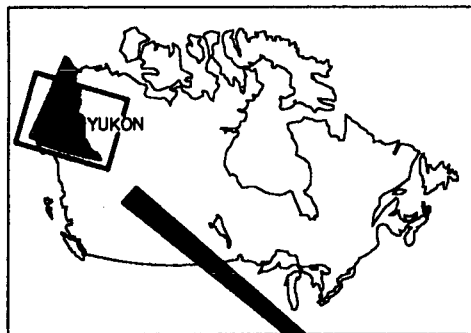
The entire property is below treeline, which is at about 1200 m elsewhere in the Freegold Mountain area. Vegetation consists of mature black spruce and slide alder along Seymour Creek, giving way to stunted black spruce, buckbrush and thick moss on the hillsides.

## GEOLOGY

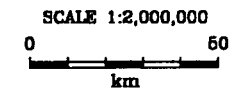
The Seymour property lies within a belt of metasedimentary and metavolcanic rocks believed to belonging to the Yukon Tanana Terrane. The metamorphic rocks are extensively intruded and locally capped by Jurassic to Tertiary igneous rocks of the Coast Plutonic Complex (Figure 4). The major structural feature in the area is the northwest-trending Big Creek Fault, a normal fault with its southwest side down. This poorly understood feature is thought to form one flank of a graben related to Later Cretaceous or Tertiary extension (Carlson, 1987).

Property geology, shown on Figure 5, is inferred from scattered bedrock exposures and rock fragments observed in soil. The oldest rocks are quartz-feldspar-mica schist and lesser quartzofeldspathic gneiss of the Paleozoic or older Pelly Gneiss (Psn). These rocks occur as large rafts or roof pendants in younger plutons. Two phases of plutonic rocks are present in the immediate vicinity of the property, the Jurassic Big Creek Syenite (Jy) and the Mid-Cretaceous Casino Granodiorite (Kgd). The syenite is coarse grained and often porphyritic containing up to 3 cm long orthoclase and hornblende phenocrysts that occasionally display strong alignment. The granodiorite is typically equigranular and coarse grained with biotite as well as hornblende. All three of the above units are cut by light grey to cream weathering quartz porphyry and quartz-feldspar porphyry dykes (Kqfp). The dykes are up to 100 m wide, trend easterly and appear to dip steeply. Similar rocks collected elsewhere near the Big Creek Fault have returned Mid to Late Cretaceous age dates.

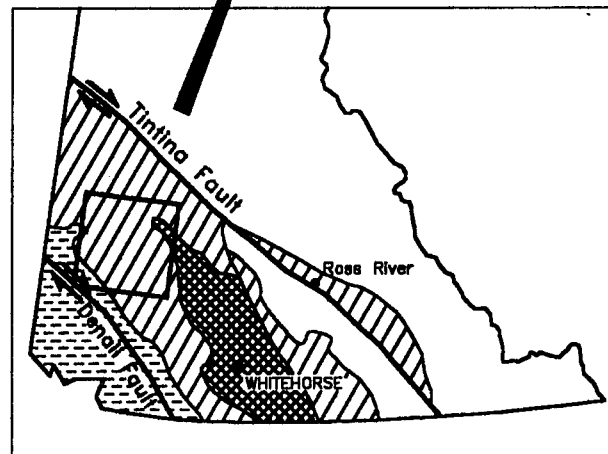
The exact location of the Big Creek Fault is uncertain in the vicinity of the property. Tempelman-Kluit (1974) shows it occupying a linear, west-northwesterly flowing drainage about 500 m south of the property while Carlson (1987) has it projecting up Seymour Creek about 1.5 km further to the south. Archer Cathro geologists suggest that it may be offset along Seymour Creek by a north-northeast trending fault with its eastern extension projecting up Soddart Creek about 2 km north of the property (Eaton and Walls, 1986). No faults have been mapped on the property but this is likely due to poor exposure.



- 5 Quaternary volcanic rocks
- 4 Tertiary intrusive rocks
- 3 Mid-Late Cretaceous volcanic rocks
- Mid-Late Cretaceous intrusive rocks
- 2 Jurassic and Triassic Intrusions
- 1 Precambrian sedimentary rocks
- Intermontane Belt



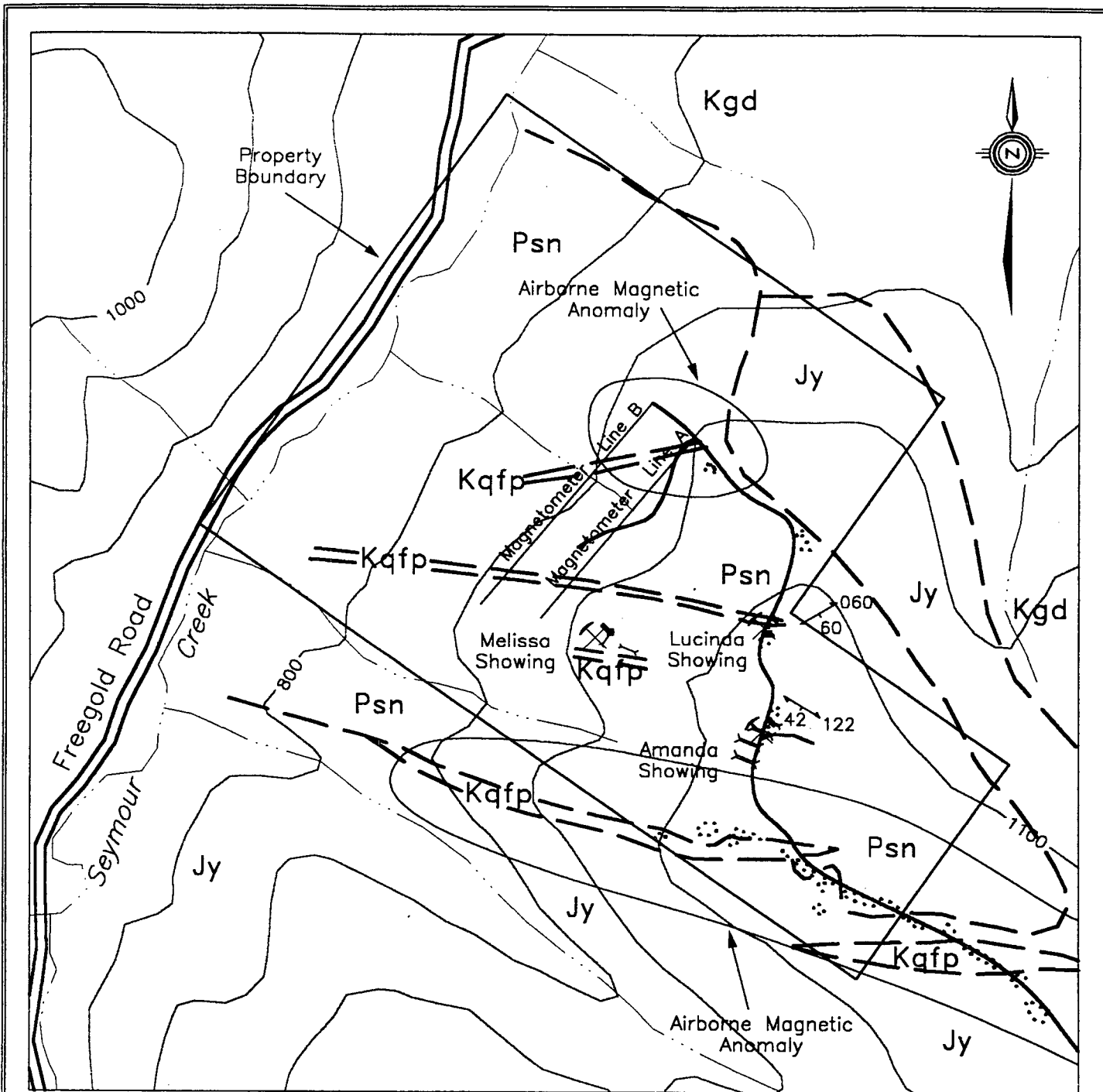
- Coastal and Insular Belts
- Intermontane Belt
- Yukon-Tanana Terrane and Slide Mountain Terrane
- Ancestral North America including Cassiar Terrane



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FIGURE 4  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
 REGIONAL GEOLOGY  
 SEYMOUR PROPERTY

FILE: ...ATAC\SEY\ACAD99\REGEO-3.DWG      DATE: FEBRUARY, 2002



- Kqfp** Quartz-feldspar porphyry
- Kgd** Granodiorite
- Jy** Syenite
- Psn** Schist and gneiss
- Foliation, with strike and dip
- Outcrop
- Pre-1999 hand trench
- Pre-1999 bulldozer trench

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**FIGURE 5**  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**GEOLOGY**  
**SEYMOUR PROPERTY**

SCALE 1:20,000  
 0 200 400 600 800 1000m

FILE: ...\\SE-20-GE.DWG      DATE: FEBRUARY, 2002

### MAGNETIC SURVEYS

The Geological Survey of Canada contracted Canadian Aero Service Limited to conduct airborne magnetic surveys over the central Yukon between June 1964 and February 1966 (GSC, 1966). This work outlined a linear magnetic high extending from the peak of Freegold Mountain northwest through the Augusta Skarn to a prominent lobe near the centre of the Seymour property (Figure 5).

In 1999 two reconnaissance ground magnetic lines were run in the vicinity of the airborne magnetic high (Lines A and B on Figure 5). Readings were taken at 10 m intervals along each line using a Barringer Research Limited GM-122 proton magnetometer (Becker, 1999). Anomalously high readings were obtained toward both ends of each line. The northeasterly anomaly features consistently elevated readings over a broad area approximately coinciding with the airborne anomaly. The southwesterly anomaly comprises more intense but erratic readings indicating a series of small highly magnetic sources. Quartz-feldspar porphyry float was discovered in both areas. Although no magnetic rocks were found at the northeasterly anomaly, follow up work in 2001 located magnetite bearing skarn directly uphill along strike from the southwesterly anomaly.

## MINERALIZATION AND SOIL GEOCHEMISTRY

Mineral occurrences are shown on Figure 5 while contoured gold results from soil geochemical surveys are illustrated on Figure 6. The location of nine rock samples and one soil sample collected in 2001 along road cuts and trenches in the eastern part of the property are shown on Figure 7. All of the samples were sent to Chemex Labs in North Vancouver where they were analyzed for gold by fire assay followed by atomic absorption and 34 other elements using the Induced Coupled Plasma technique. Certificates of Analysis appear in Appendix II and rock descriptions are in Appendix III.

The soil sampling was performed in 1981 and 1986. The 1981 sampling was done on 25 by 100 m centres over a 1 sq km area near the centre of the current property. The 1986 sampling covered most of the rest of the property at a sample density of 100 by 100 m. The baselines for the 1986 work were marked by 1 m wooden lath every 50 m and the sample locations were indicated by 0.5 lath bearing aluminum tags inscribed with the sample numbers and grid coordinates.

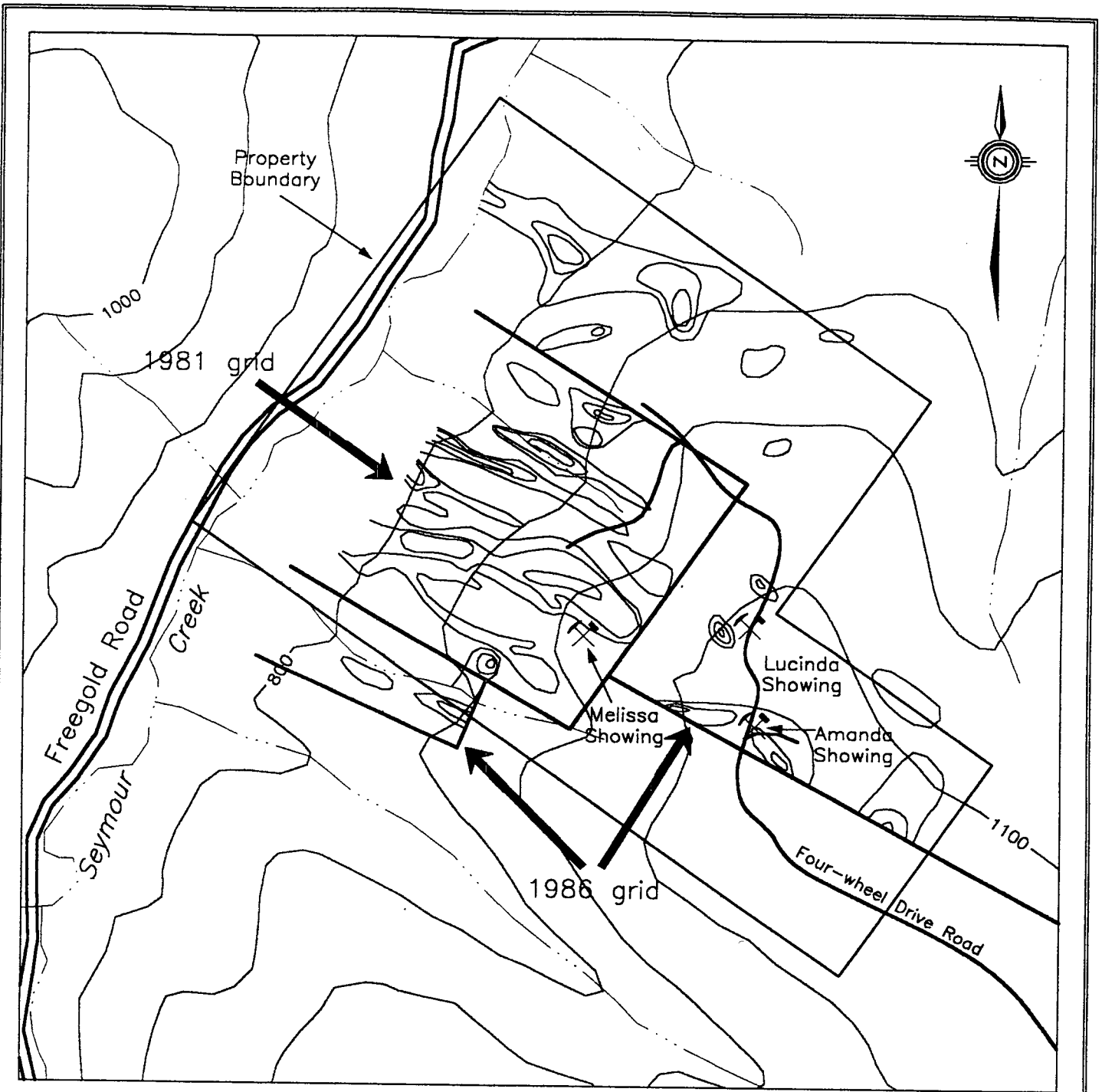
Soil sampling has outlined a series of west-northwest trending anomalies. These anomalies approximately parallel the trend of major fault structures in the area and inferred orientation of quartz-feldspar porphyry dykes. They are also approximately perpendicular to topography which suggests that their shape may be in part controlled by downhill dispersion. In most areas there is sharp contrast between the anomalous results and surrounding background values. The stronger anomalies contain values exceeding 200 ppb gold with a peak value of 844 ppb. Arsenic anomalies (up to 2250 ppm) are closely associated with gold. The highest silver (up to 11 ppm) and lead (up to 282 ppm) values are clustered near the Lucinda Showing. Copper and zinc results are relatively low.

Prospecting on the Seymour property is limited by the lack of bedrock exposure. Although most of the soil geochemical anomalies are unexplained, three showings have been discovered near anomalous values.

The **Melissa** Showing was found in 1986 and described as two specimens of limonitic schist and vein float collected from old hand trenches. These samples assayed 0.76 and 1.03 g/t gold, respectively.

The **Lucinda** Showing is located about 400 m to the east and was discovered in 1999. The discovery sample was taken from a 10 m diameter area of limonitic silicified metasedimentary rocks cut by narrow quartz veins. Chips were from float and outcrop found along a road cut. Rocks comprising the sample contained about 7% limonite-filled pits but no sulphides or magnetite. The sample assayed 5.2 g/t gold, 196 g/t silver, 3.68% lead, greater than 1% arsenic, 182 ppm bismuth, 222 ppm antimony and 2650 ppm zinc.

The area surrounding the Lucinda Showing was more thoroughly prospected in 2001 and a few shallow hand pits were dug to expose the source of mineralized float. Six of the ten samples were taken over a 100 m length along a road cut crossing the Lucinda Showing. Four of these samples consisted of limonitic quartz vein fragments. These samples returned 460 to 2140 ppb gold, 1033 to 7580 ppm arsenic, 78 to 348 ppm antimony, 88.2 to 700 g/t silver and 0.73 to



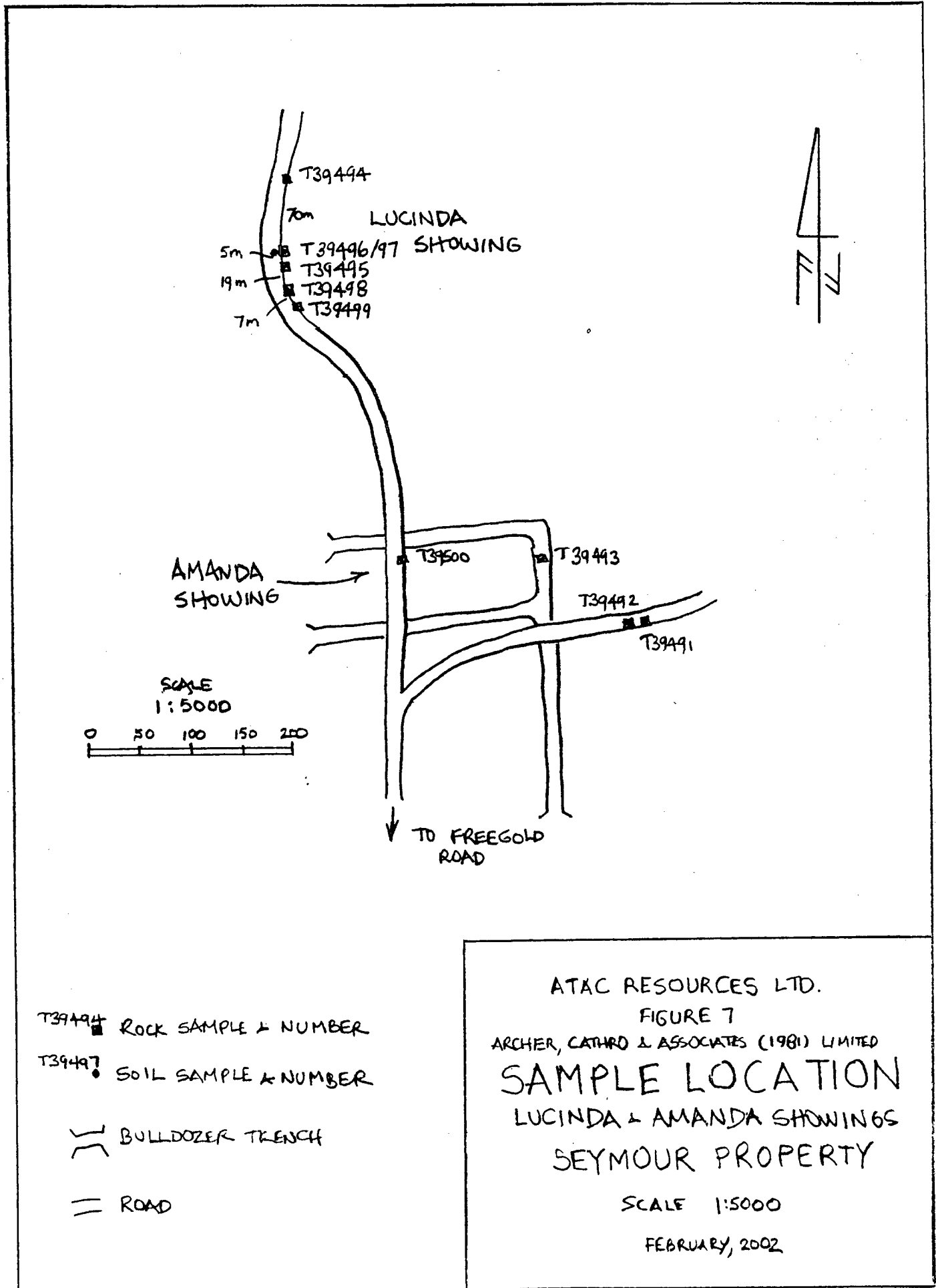
- $\geq 100$  ppb gold
- $\geq 50 < 100$  ppb gold
- $\geq 25 < 50$  ppb gold
- ✚ Gold occurrence

<p>ATAC RESOURCES LTD.</p>	
<p>FIGURE 6          ARCHER, CATHRO &amp; ASSOCIATES (1981) LIMITED  <b>SOIL GEOCHEMISTRY</b>  <b>SEYMOUR PROPERTY</b></p>	
<p>SCALE 1:20,000</p>	
<p>0 200 400 600 800 1000m</p>	
<p>FILE: ....\SE-20-GE.DWG</p>	<p>DATE: FEBRUARY, 2002</p>

8.17% lead. The other samples were a soil sample and a piece of skarn or altered wallrock that yielded slightly lower but still strongly anomalous values for the same metals. Although the analytical results are very encouraging the amount of material present suggests the individual veins are likely less than 30 cm wide.

The other four samples were collected from veins and skarns discovered in trenches and road cuts about 200 to 400 m southeast of the Lucinda Showing. These samples again returned anomalous values for the same suite of elements, but the values are somewhat lower than those taken within the Lucinda Showing. This new area is called the **Amanda** Showing.

The road cut between the Lucinda and Amanda showings is marshy and exhibits relatively little rock. Most of the trenches in the area, especially those west of the road, do not expose bedrock.



- T39494 ■ ROCK SAMPLE & NUMBER
- T39497 ● SOIL SAMPLE & NUMBER
- ≡ BULLDOZER TRENCH
- = ROAD

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 FIGURE 7  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**SAMPLE LOCATION**  
 LUCINDA & AMANDA SHOWINGS  
 SEYMOUR PROPERTY  
 SCALE 1:5000  
 FEBRUARY, 2002

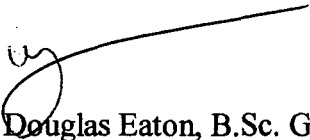
**CONCLUSIONS**

The Seymour property is very favourably located within the Freegold Mountain portion of the Tintina Gold Belt. It features a number of large, moderate to strong gold and arsenic soil geochemical anomalies, more localized lead and silver soil geochemical anomalies plus three gold showings, none of which has been effectively tested by mechanized trenching or drilled. The rocks associated with the anomalies and showings are similar in age and lithology to those which host deposits elsewhere in the Tintina Gold Belt.

Further work is definitely warranted on this prospect. The next stage of exploration should consist of excavator trenching.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED



W. Douglas Eaton, B.Sc. Geology

REFERENCES

Archer, A.R. and Carne, R.C.

1981 Final Report for Freegold Project, company report prepared for Arctic Red Resources Ltd., pp.46

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1999 Assessment Report describing Prospecting, Soil Geochemistry and Magnetic Surveys on the Seymour Property, company report prepared for ATAC Resources Ltd., November 1999.

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1987 Geology of Mount Nansen (115I/3) and Stoddart Creek (115I/6) map areas, Dawson Range, Yukon. Exploration and Geology Services Division, Indian and Northern Affairs Canada, Open File 1987-2.

DIAND

1995 Yukon Minfile, WP 5.1 Version, 20 Nov/95. Exploration and Geological Services Division, Indian and Northern Affairs Canada.

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1986 Freegold Venture Final Report, company report prepared for Chevron Minerals Ltd., pp.35-44.

Geological Survey of Canada

1966 Freegold Mountain, Yukon Territory, Geological Survey of Canada, Department of Mines and Technical Surveys, Map 3313G.

Johnston, J.R.

1963 Geology and mineral deposits of Freegold Mountain, Carmacks District, Yukon, GSC Memoir 214.

Mining Inspection Division

1998 Yukon Placer Industry 1995 to 1997; Mineral Resources Directorate, Yukon Territory, Indian and Northern Affairs Canada

Placer Mining Section

1985 Yukon Placer Industry 1983-1984; Mineral Resources Directorate, Yukon, Indian and Northern Affairs, compiled by R.L. Debicki.

1991 Yukon Placer Industry 1989-1990; Mineral Resources Directorate, Yukon, Indian and Northern Affairs, compiled by L.P. van Kalsbeek.

Tempelman-Kluit, D.J.

1974 Geology of Carmacks map-area, Yukon Territory; Geological Survey of Canada, Open File 200.

**APPENDIX I**

**AUTHOR'S STATEMENT OF QUALIFICATIONS**

## STATEMENT OF QUALIFICATIONS

I, W. Douglas Eaton, geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in North Vancouver, British Columbia, do hereby declare that:

1. I graduated from the University of British Columbia in 1980 with a B.Sc. majoring in Geological Sciences.
2. From 1971 to present, I have been actively engaged in mineral exploration in British Columbia and Yukon Territory and on June 1, 1981, I became a partner in Archer, Cathro & Associates (1981) Limited.
3. I have personally participated in or supervised the field work reported herein and have interpreted all data resulting from this work.



W. Douglas Eaton, B.A., B.Sc.

**APPENDIX II**  
**CERTIFICATES OF ANALYSIS**



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218



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 Total Pages : 1  
 Certificate Date: 18-JUN-2001  
 Invoice No. : I0118283  
 P.O. Number :  
 Account : RCM

Project : SEYMOUR  
 Comments:

## CERTIFICATE OF ANALYSIS A0118283

SAMPLE	PREP CODE		Au ppb	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg
			FA+AA	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
T39491	205	226	30	1.6	0.33	488	< 10	780	< 0.5	4	0.03	0.5	2	54	17	2.62	< 10	< 1	0.25	< 10	0.01
T39492	205	226	35	2.8	3.74	950	< 10	420	1.0	4	0.32	6.0	14	43	44	11.75	10	< 1	0.23	< 10	1.48
T39493	205	226	520	10.4	1.60	9810	< 10	30	1.5	12	0.09	76.5	9	54	204	>15.00	10	< 1	0.28	10	0.46
T39494	205	226	1790	>100.0	0.26	1870	< 10	40	< 0.5	4	0.03	19.5	2	52	335	5.91	< 10	< 1	0.26	10	0.02
T39495	205	226	115	27.2	2.91	1735	< 10	40	0.5	10	0.16	20.5	9	70	137	14.50	< 10	< 1	0.51	10	0.71
T39496	205	226	2140	88.2	1.37	5280	< 10	60	0.5	56	0.06	28.5	8	35	232	13.75	< 10	< 1	0.31	< 10	0.14
T39498	205	226	1625	>100.0	1.10	3510	< 10	30	0.5	16	0.04	22.0	3	79	275	10.65	< 10	< 1	0.21	< 10	0.40
T39499	205	226	460	>100.0	0.82	1300	< 10	30	0.5	6	0.09	4.5	1	64	69	10.40	< 10	< 1	0.31	< 10	0.15
T39500	205	226	615	>100.0	0.56	7580	< 10	660	1.0	8	0.19	45.0	8	55	240	11.35	< 10	< 1	0.18	< 10	0.04

CERTIFICATION:



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
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 Total Pages : 1  
 Certificate Date: 18-JUN-2001  
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 P.O. Number :  
 Account : RCM

Project : SEYMOUR  
 Comments:

## CERTIFICATE OF ANALYSIS A0118283

SAMPLE	PREP		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
	CODE		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
T39491	205	226	95	6	0.02	5	390	24	0.25	16	3	20	< 0.01	< 10	< 10	16	< 10	184
T39492	205	226	3170	1	< 0.01	8	1560	360	0.26	12	11	57	< 0.01	< 10	< 10	132	< 10	1075
T39493	205	226	805	1	0.02	24	590	974	0.18	20	14	60	< 0.01	< 10	< 10	130	< 10	4590
T39494	205	226	145	1	< 0.01	1	110	7340	0.26	348	< 1	8	< 0.01	< 10	< 10	3	< 10	1445
T39495	205	226	3100	4	< 0.01	14	740	7880	0.26	44	6	53	< 0.01	< 10	< 10	92	< 10	2220
T39496	205	226	435	6	< 0.01	6	1000	>10000	0.30	78	8	223	< 0.01	< 10	< 10	82	< 10	2200
T39498	205	226	410	39	0.01	22	330	>10000	0.85	270	3	24	< 0.01	< 10	< 10	43	< 10	4200
T39499	205	226	295	2	0.02	2	310	>10000	0.89	158	3	24	< 0.01	< 10	< 10	44	< 10	974
T39500	205	226	1495	4	< 0.01	9	1320	3450	0.25	86	8	41	< 0.01	< 10	< 10	91	< 10	1930

CERTIFICATION: \_\_\_\_\_



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 Comments:

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 Certificate Date: 21-JUN-2001  
 Invoice No. : I0118285  
 P.O. Number :  
 Account : RCM

<b>CERTIFICATE OF ANALYSIS</b>	<b>A0118285</b>
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SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
T39497	201 202	125	9.2	2.36	608	< 10	150	1.0	< 2	0.23	4.5	14	63	39	5.46	< 10	< 1	0.43	< 10	1.06

CERTIFICATION:



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218



ATAC RESOURCES LTD.  
 C/O ARCHER, CATHRO & ASSOCIATES (1981) LTD.  
 1016 - 510 W. HASTINGS ST.  
 VANCOUVER, BC  
 V6B 1L8

Project : SEYMOUR  
 Comments:

Page No : 1-B  
 Total Pages : 1  
 Certificate Date: 21-JUN-2001  
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## CERTIFICATE OF ANALYSIS

### A0118285

SAMPLE	PREP CODE		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
T39497	201	202	865	< 1	0.01	28	410	1320	0.04	4	8	37	0.13	< 10	< 10	107	< 10	1700

CERTIFICATION: \_\_\_\_\_



**APPENDIX III**  
**DESCRIPTIONS OF ROCK SAMPLES**

## Rock Sample Descriptions

Project: ATAU/01 Property: SEYMOUR

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Sample Number: T39491 Grid North: \_\_\_\_\_ N Grid East: \_\_\_\_\_ E Type: ROCK Dimension: \_\_\_\_\_  
 UTM: \_\_\_\_\_ N UTM: \_\_\_\_\_ E Sample Width: \_\_\_\_\_ Abundance: 3m x 3m  
 Elevation: \_\_\_\_\_ m  
 Comments: Quartz vein - random grabs white quartz with limonite coatings - no visible sulphides

Sample Number: T39492 Grid North: \_\_\_\_\_ N Grid East: \_\_\_\_\_ E Type: ROCK Dimension: specimen  
 UTM: \_\_\_\_\_ N UTM: \_\_\_\_\_ E Sample Width: \_\_\_\_\_ Abundance: Common  
 Elevation: \_\_\_\_\_ m  
 Comments: Skarn - dark green to black with about 5% sulphides, fine pyrite and cubic pyrite.

Sample Number: T39493 Grid North: \_\_\_\_\_ N Grid East: \_\_\_\_\_ E Type: ROCK Dimension: 1-2m wide  
 UTM: \_\_\_\_\_ N UTM: \_\_\_\_\_ E Sample Width: \_\_\_\_\_ Abundance: \_\_\_\_\_  
 Elevation: \_\_\_\_\_ m  
 Comments: Skarn - limonite stained, fine grained, dark green skarn along contact with 2m wide syenite dyke.

Sample Number: T39494 Grid North: \_\_\_\_\_ N Grid East: \_\_\_\_\_ E Type: ROCK Dimension: \_\_\_\_\_  
 UTM: \_\_\_\_\_ N UTM: \_\_\_\_\_ E Sample Width: \_\_\_\_\_ Abundance: \_\_\_\_\_  
 Elevation: \_\_\_\_\_ m  
 Comments: Quartz vein - grabs of strongly limonitized, vuggy quartz in cat push beside road. Likely from series of < 2cm wide veinlets. veinlets parallel foliation in wallrock

Sample Number: T39495 Grid North: \_\_\_\_\_ N Grid East: \_\_\_\_\_ E Type: ROCK Dimension: \_\_\_\_\_  
 UTM: \_\_\_\_\_ N UTM: \_\_\_\_\_ E Sample Width: \_\_\_\_\_ Abundance: \_\_\_\_\_  
 Elevation: \_\_\_\_\_ m  
 Comments: Skarn - limonite and manganese coated, fine grained, green skarn

Sample Number: T39496 Grid North: \_\_\_\_\_ N Grid East: \_\_\_\_\_ E Type: ROCK Dimension: \_\_\_\_\_  
 UTM: \_\_\_\_\_ N UTM: \_\_\_\_\_ E Sample Width: \_\_\_\_\_ Abundance: \_\_\_\_\_  
 Elevation: \_\_\_\_\_ m  
 Comments: Quartz vein - near site of 1999 discovery sample for the Lucinda showing. Dark brown stained quartz with abundant vugs and pits. Specimens taken from 10m wide recessive zone flanked on both sides by skarn.

## Rock Sample Descriptions

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Sample Number: T39497 Grid North: \_\_\_\_\_ N Grid East: \_\_\_\_\_ E Type: SOIL Dimension: \_\_\_\_\_  
 UTM: \_\_\_\_\_ N UTM: \_\_\_\_\_ E Sample Width: \_\_\_\_\_ Abundance: \_\_\_\_\_  
 Elevation: \_\_\_\_\_ m  
 Comments: Soil - taken near T39496 within recessive zone.

Sample Number: T39498 Grid North: \_\_\_\_\_ N Grid East: \_\_\_\_\_ E Type: ROCK Dimension: 30-60cm wide  
 UTM: \_\_\_\_\_ N UTM: \_\_\_\_\_ E Sample Width: \_\_\_\_\_ Abundance: \_\_\_\_\_  
 Elevation: \_\_\_\_\_ m  
 Comments: Quartz vein - vuggy quartz and limonitic boxwork grades from yellow Arsenic stained or dark brown in middle outward to black along edges.

Sample Number: T39499 Grid North: \_\_\_\_\_ N Grid East: \_\_\_\_\_ E Type: ROCK Dimension: 5cm wide  
 UTM: \_\_\_\_\_ N UTM: \_\_\_\_\_ E Sample Width: \_\_\_\_\_ Abundance: \_\_\_\_\_  
 Elevation: \_\_\_\_\_ m  
 Comments: Quartz vein - narrow black stained quartz with minor white blebs that may be anglesite or cerussite.

Sample Number: T39500 Grid North: \_\_\_\_\_ N Grid East: \_\_\_\_\_ E Type: ROCK Dimension: 30-60cm wide  
 UTM: \_\_\_\_\_ N UTM: \_\_\_\_\_ E Sample Width: \_\_\_\_\_ Abundance: \_\_\_\_\_  
 Elevation: \_\_\_\_\_ m  
 Comments: Quartz vein - quartz veinlets in 30-60cm wide light brown band of clay altered wallrock.

Sample Number: \_\_\_\_\_ Grid North: \_\_\_\_\_ N Grid East: \_\_\_\_\_ E Type: \_\_\_\_\_ Dimension: \_\_\_\_\_  
 UTM: \_\_\_\_\_ N UTM: \_\_\_\_\_ E Sample Width: \_\_\_\_\_ Abundance: \_\_\_\_\_  
 Elevation: \_\_\_\_\_ m  
 Comments: \_\_\_\_\_

Sample Number: \_\_\_\_\_ Grid North: \_\_\_\_\_ N Grid East: \_\_\_\_\_ E Type: \_\_\_\_\_ Dimension: \_\_\_\_\_  
 UTM: \_\_\_\_\_ N UTM: \_\_\_\_\_ E Sample Width: \_\_\_\_\_ Abundance: \_\_\_\_\_  
 Elevation: \_\_\_\_\_ m  
 Comments: \_\_\_\_\_