ARCHER, CATHRO
& ASSOCIATES (1981) LIMITED

CONSULTING GEOLOGICAL ENGINEERS

1016 - 510 WEST HASTINGS STREET, VANCOUVER, B.C. V6B 1L8 TEL (604) 688-2568 • FAX (604) 688-2578

ASSESSMENT REPORT

describing

PROSPECTING, SOIL GEOCHEMISTRY AND MAGNETIC SURVEYS

on the

SEYMOUR PROPERTY
Sey 1-20 YC09221-YC09240

NTS 115I/6
Latitude 62°18'N; Longitude 137°11'W

094040

in the

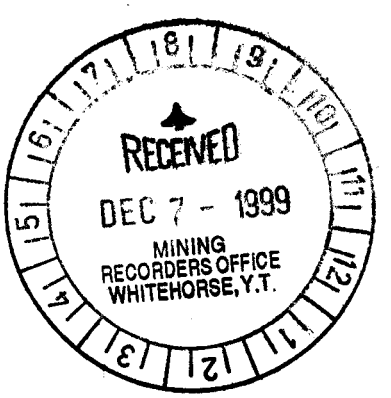
Whitehorse Mining District
Yukon Territory

Prepared by

Archer, Cathro & Associates (1981) Limited

for

ATAC RESOURCES LTD.



by

T.C. Becker, P. Geo.
November, 1999

BOX 4127, 2054 SECOND AVENUE, WHITEHORSE, Y.T. Y1A 3S9 TEL (867) 667-4415

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 $ 4000.00.

M. Bruch

for Regional Manager, Exploration and Geological Services for Commissioner of Yukon Territory.

0119-54060
094040

TABLE OF CONTENTS

APPENDICES

FIGURES

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. It consists of twenty claims owned by ATAC Resources Ltd.

This report describes work done at various times between August 26 and September 6, 1999 by Archer, Cathro & Associates (1981) Limited on behalf of ATAC Resources. The work was performed by the author and fieldman Iain Weatherston from a camp located on the nearby Golden Revenue property. The Author's Statement of Qualifications appears in Appendix I.

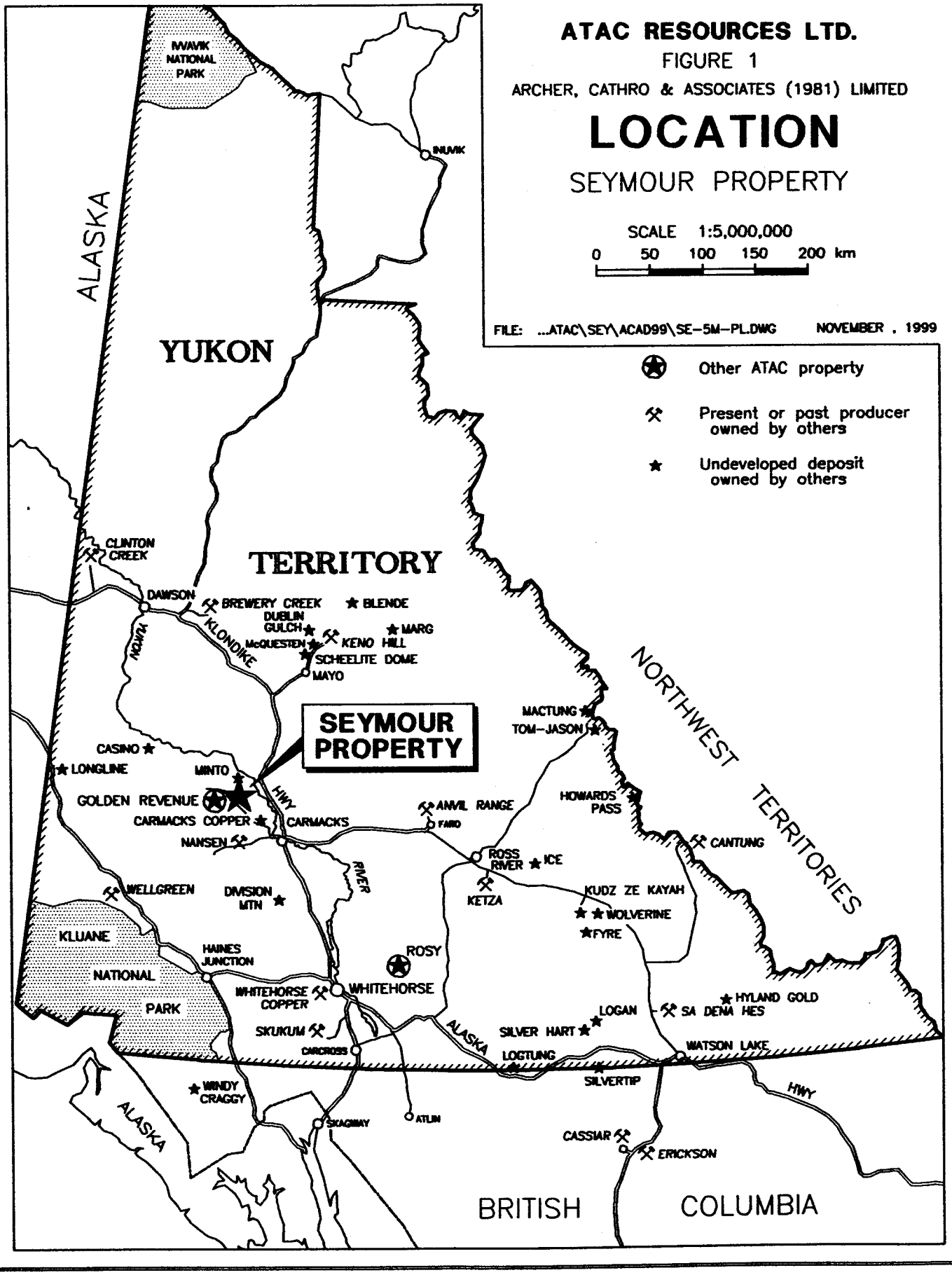
PROPERTY, LOCATION AND ACCESS

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.

Claim Name	Grant Number	Expiry Date*
Sey 1-20	YC09221-YC09240	February 22, 2000

*does not include 1999 work which will be 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).


ATAC RESOURCES LTD.
FIGURE 1
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
LOCATION
SEYMOUR PROPERTY
SCALE 1:5,000,000
0 50 100 150 200 km
FILE: ...ATAC\SEY\ACAD99\SE-5M-PL.DWG NOVEMBER . 1999
Other ATAC property
Present or past producer owned by others
Undeveloped deposit owned by others
IVVAVIK NATIONAL PARK
INUVIK
ALASKA
YUKON
TERRITORY
NORTHWEST TERRITORIES
BRITISH COLUMBIA
CLINTON CREEK
DAWSON
BREWERY CREEK
BLENDE
DUBLIN GULCH
MARG
McQUESTEN
KENO HILL
SCHEELITE DOME
MAYO
YUKON
KLONDIKE
SEYMOUR PROPERTY
MACTUNG
TOM-JASON
CASINO
LONGLINE
MINTO
GOLDEN REVENUE
CARMACKS COPPER
CARMACKS
HWY
ANVIL RANGE
FAMO
HOWARDS PASS
CANTUNG
NANSEN
ROSS RIVER
ICE
KETZA
KUDZ ZE KAYAH
WOLVERINE
FYRE
RIVER
WELLGREEN
DIVISION MTN
KLUANE
NATIONAL PARK
HAINES JUNCTION
ROSY
WHITEHORSE
WHITEHORSE COPPER
HYLAND GOLD
SA DENA HES
LOGAN
SILVER HART
SKUKUM
CARCROSS
ALASKA
LOGTUNG
WATSON LAKE
SILVERTIP
HWY
WINDY CRAGGY
SKAGWAY
ATLIN
CASSIAR
ERICKSON

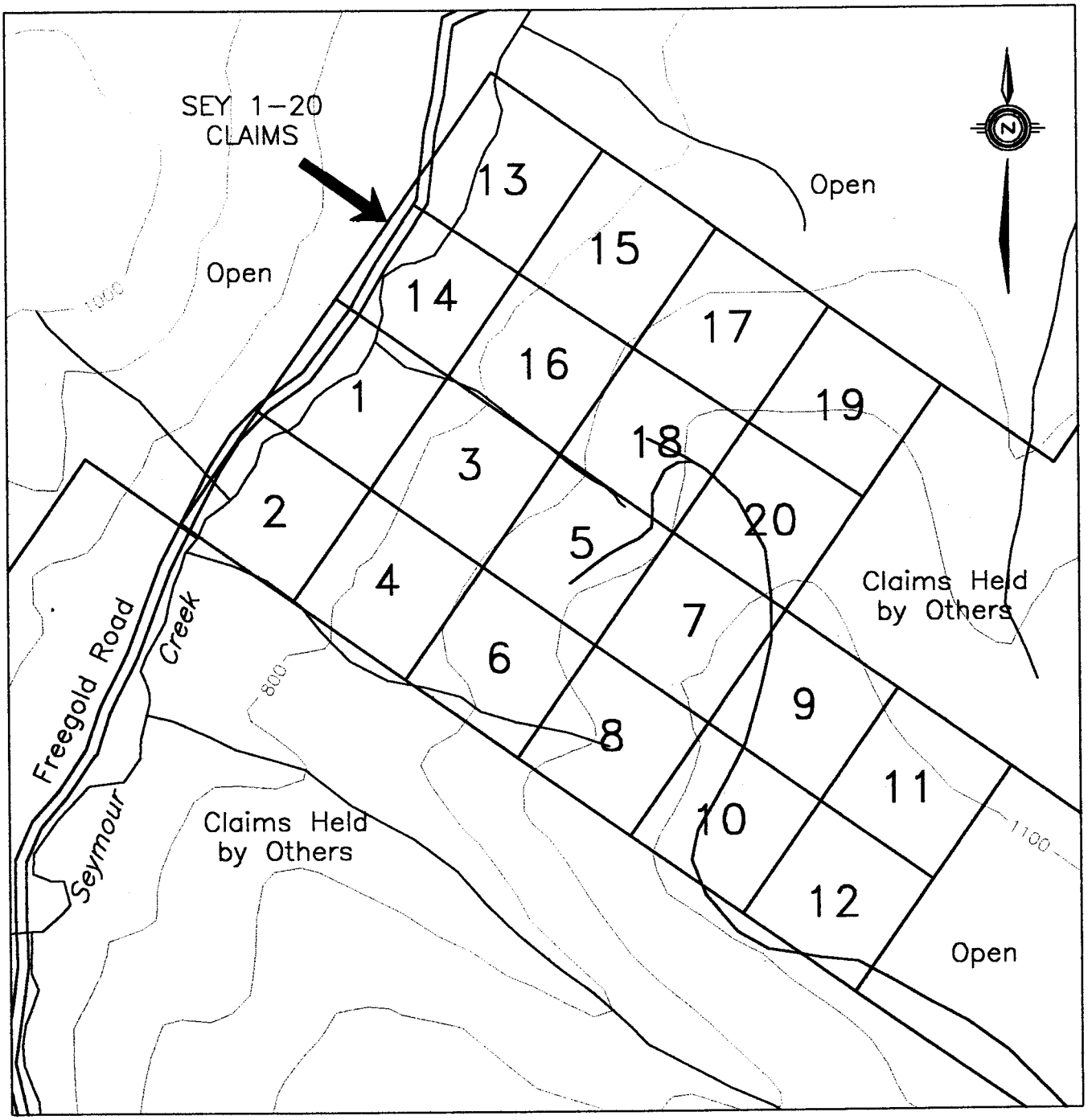


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FIGURE 2

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATION

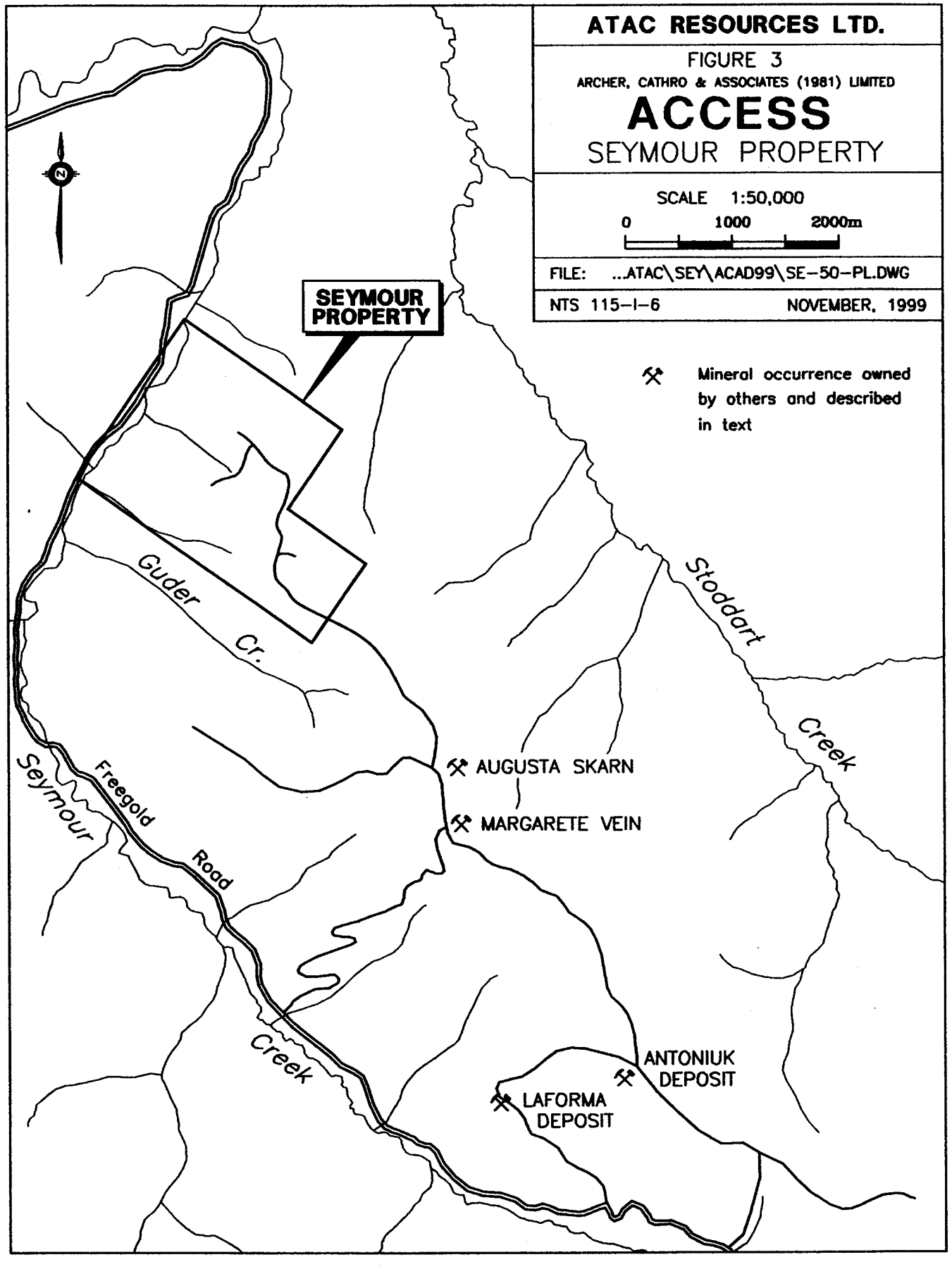
SEYMOUR PROPERTY

SCALE 1:20,000

0 200 400 600 800 1000m

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

DATE: NOVEMBER, 1999


ATAC RESOURCES LTD.
FIGURE 3
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
ACCESS
SEYMOUR PROPERTY
SCALE 1:50,000
0 1000 2000m
FILE: ...ATAC\SEY\ACAD99\SE-50-PL.DWG
NTS 115-I-6
NOVEMBER, 1999
SEYMOUR PROPERTY
Mineral occurrence owned by others and described in text
Guder Cr.
Stoddart Creek
AUGUSTA SKARN
MARGARETE VEIN
Seymour Freegold Road
Creek
ANTONIUK DEPOSIT
LAFORMA DEPOSIT

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 of the 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.

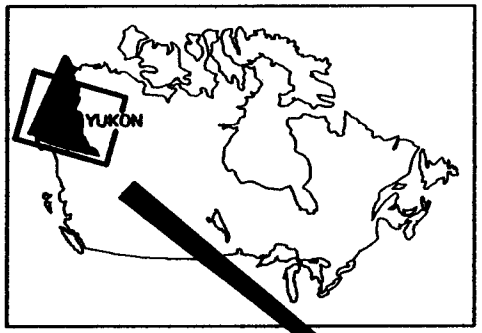
The entire property is below treeline, which is at about 1200 m elsewhere in the Freegold Mountain area. Vegetation consists of mature black spruce and slide alder along Seymour Creek, giving way to stunted black spruce, buckbrush and thick moss on the hillsides.

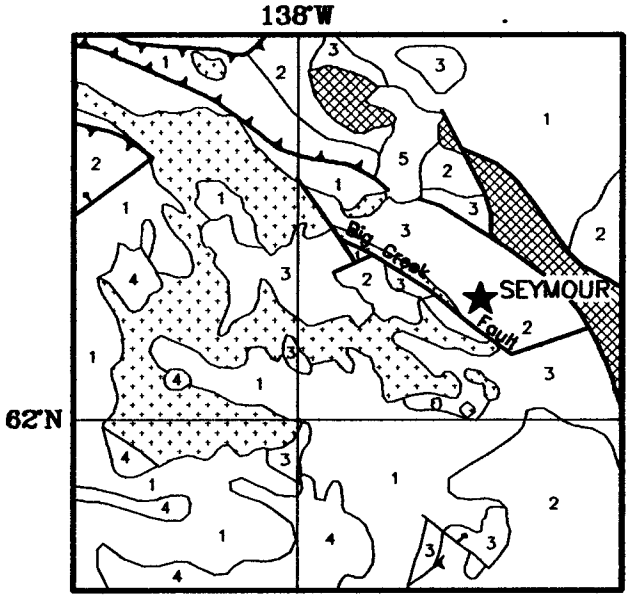
GEOLOGY

The Seymour property lies within a belt of metasedimentary and metavolcanic rocks believed to belong to the Yukon Tanana Terrane, which 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 orthoclase and hornblende phenocrysts which are up to 3 cm long and 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-Cretaceous to Early Tertiary 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 believe 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

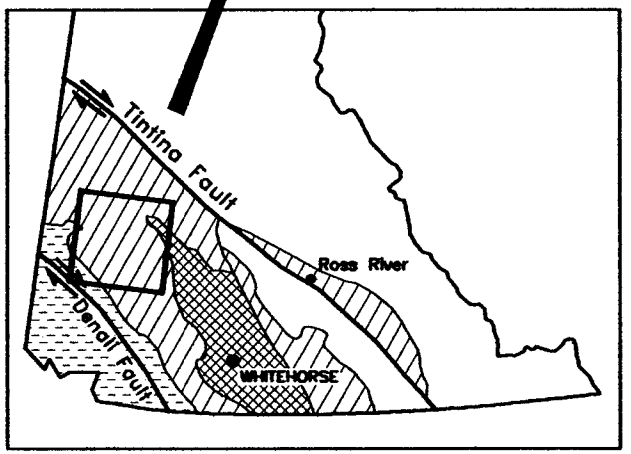
Mid–Late Cretaceous intrusive rocks

2 Jurassic and Triassic intrusions

1 Precambrian sedimentary rocks

Intermontane Belt

SCALE 1:2,000,000
0 50
km



Coastal and Insular Belts

Intermontane Belt

Yukon–Tanana Terrane and Slide Mountain Terrane

Ancestral North America including Cassiar Terrane

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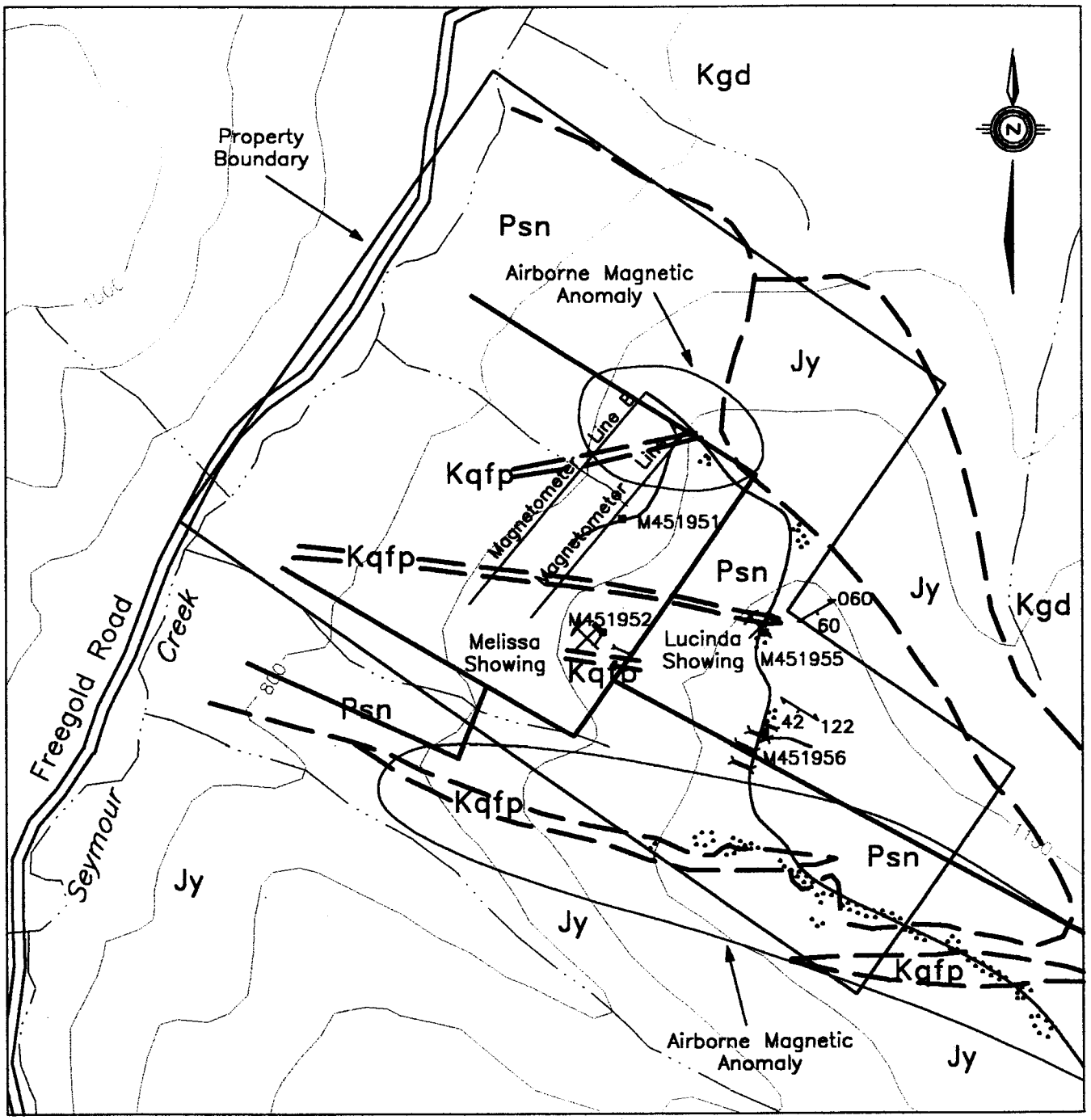
FIGURE 4

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

REGIONAL GEOLOGY

SEYMOUR PROPERTY

FILE: ...ATAC\SEY\ACAD99\REGEO-3.DWG | DATE: OCTOBER, 1999



Kqfp	Quartz–feldspar porphyry
Kgd	Granodiorite
Jy	Syenite
Psn	Schist and gneiss
060 / 60	Foliation, with strike and dip
	Outcrop
	Pre–1999 hand trench
	Pre–1999 bulldozer trench

ATAC RESOURCES LTD.

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: NOVEMBER, 1999

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. Appendix II contains survey data. 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 but no magnetic rocks were discovered. The most likely cause of the anomalies is magnetite occurring in various quantities within skarn or vein zones developed on the margins of dykes.

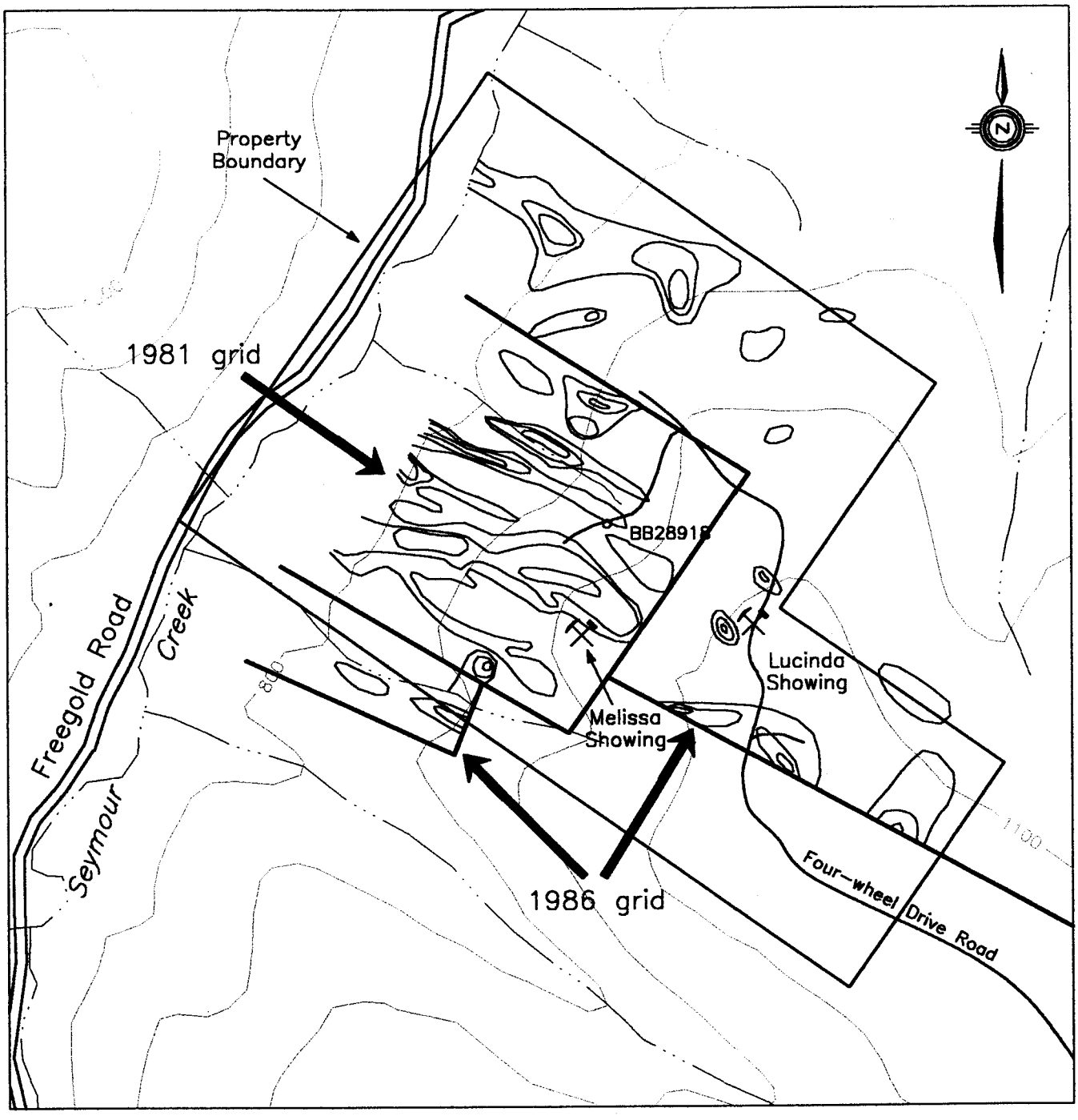
MINERALIZATION AND SOIL GEOCHEMISTRY

Mineral occurrences and 1999 rock sample locations are shown on Figure 5 while contoured gold results from pre-1999 soil geochemical surveys and the location of a soil sample taken in 1999 are illustrated on Figure 6. All 1999 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 III and rock descriptions are in Appendix IV.

The pre-1999 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 co-ordinates. The location of the 1999 soil sample is marked by orange flagging with the sample number written on it.

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. Unfortunately reports describing the 1981 and 1986 soil geochemical surveys did not report results for other elements.

Prospecting on the Seymour property is limited by the lack of bedrock exposure. Although most of the soil geochemical anomalies are unexplained, two 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. It is a 10 m diameter area of limonitic silicified metasedimentary rocks and vein quartz in float and outcrop along a road cut. Chips of this material, containing about 7% limonite-filled pits but no sulphides or magnetite, assayed 5.2 g/t gold, 196 g/t silver and 3.68% lead. This sample also returned greater than 1% arsenic, 182 ppm bismuth, 222 ppm antimony and 2650 ppm zinc.



≥ 100 ppb gold

≥ 50 < 100 ppb gold

≥ 25 < 50 ppb gold

Gold occurrence

o 1999 soil sample location and number

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FIGURE 6

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

SOIL GEOCHEMISTRY

SEYMOUR PROPERTY

SCALE 1:20,000

0 200 400 600 800 1000m

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

DATE: NOVEMBER, 1999

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 soil geochemical anomalies plus two gold showings, none of which have been tested by mechanized trenching or drilling. 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

T.C. Becker, P.Geo.

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

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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, Thomas C. Becker, geologist, with business addresses in Vancouver, British Columbia and Whitehorse, Yukon Territory and residential address in Port Moody, British Columbia, do hereby certify that:

1. I graduated from the University of Alberta in 1989 with a B.Sc. (Honours) in Geological Sciences.
2. I am a member of the Association of Professional Engineers and Geoscientists of British Columbia in the Province of British Columbia (registration number 20021).
3. I have been actively involved in mineral exploration in the Northern Cordillera since 1984.
4. I have personally participated in or supervised the field work reported herein.

T. C. Becker

Thomas C. Becker, B.Sc., P.Geo.

APPENDIX II

MAGNETOMETER SURVEY DATA

Sey Claims TCB Sept 6/99

1/4

Line A - starting at north end

Station	Reading	Time
0	57875	9:44
5	843	:37
10	813	9:36
15	877	:46
20	960	:49
30	883	:51
40	807	:52
50	817	:53
60	850	:54
70	947	:56
80	58175	:57
90	8074	58
100	57981	:59
110	58053	10:00
120	8006	:01
130	57888	:02
140	861	:03
150	862	:04
160	846	:04
170	798	:06
180	915	:07
190	58014	:07
200	57966	:08

SEY 2/4

Line A

Station	Reading	Time	
210	57877	10:09	
220	792	:10	
230	866	:11	
240	842	:11	
250	763	:12	
260	720	:13	
270	698	:14	
280	743	:19	
290	649	:19	
300	625	:20	
310	68085	:21	
320	774	:22	
330	697	:23	
340	617	:24	- creek
350	646	:25	
360	708	:26	
370	609	:27	
380	624	:28	
390	683	:28	
400	718	:29	
410	586	:30	
420	622	:31	

SEY 3/4

Line A

Station	Reading	Time	
430	57663	10:32	
440	601	:33	
450	597	:34	
460	658	:35	
470	568	:35	
480	500	:36	
490	570	:36	
500	602	:37	
510	589	:38	
520	549	:38	
530	547	:39	
540	566	:39	
550	747	:40	
560	703	:40	
570	507	:41	
580	209	:42	
590	930	:43	- mag high
600	626	:45	
610	718	:46	
620	572	:46	
630	722	:46	
640	927	:49	

SEY 4/4

Line A

Station	Reading	Time
645	58723	10:51
650	8632	:51
655	57906	:52
660	760	:52
665	716	:53
670	646	:50
675	614	:54
680	635	:54
685	641	:55
690	621	:53
695	672	:55
700	615	:55
710	605	:56
720	606	:56
730	594	:57
740	583	:57
750	583	:58
760	578	:58
770	559	:59
780	566	:59
790	547	11:00
800	560	:00
0	57865	11:18

↑ close

SEY Claims TCB Sept 6/99 1/4

Line B - starting at north end

Station	Reading	Time
0	57682	12:00
10	748	:01
20	746	:01
30	843	:02
40	850	:02
50	789	:03
60	747	:03
70	748	:04
80	764	:04
90	790	:05
100	841	:05
110	880	:06
120	847	:06
130	860	:07
140	895	:07
150	842	:08
160	784	:08
170	719	:09
180	786	:09
190	801	:10
200	746	:10
210	704	:11

SEY Line B 2/4

Station	Reading	Time	
220	57634	12:12	
230	643	:12	
240	717	:13	
250	688	:13	
260	654	:14	
270	58034	:14	
280	8113	:15	
290	8336	:15	
300	8553	:16	
310	8712	:16	
320	8692	:17	
330	8605	:17	
340	8107	:20 - 198 B? 11+00E	
350	8036	:20	
360	57768	:21 365 - Creek	
370	626	:22	
380	596	:22	
390	657	:23	
400	656	:23	
410	734	:24	
420	742	:25	
430	686	:25	
440	732	:26	

SEY Line B 3/4

Station	Reading	Time
450	57612	12:28
460	780	:29
470	657	:29
480	626	:29
490	601	:30
500	592	:30
510	567	:31
520	620	:31
530	572	:32
540	614	:32
550	589	:33
560	549	:33
570	565	:34
580	604	:34
590	660	:35
600	753	:35
610	662	:36
620	661	:36
630	613	:37
640	612	:37
650	596	:38
660	557	:38
670	543	:39

SEV Line B 4/4

Station	Reading	Time	
680	57549	12:40	
690	513	:41	
700	458	:41	
710	413	:42	
720	312	:42	
730	56834	:43	
740	51527	:44	
750	54995	:44	58253 1:14
760	57614	:45	59036 1:17
770	56611	:46	
780	57564	:47	
790	578	:47	
800	598	:48	
810	595	:48	
820	595	:49	
830	592	:49	
840	587	:50	
850	581	:51	
860	582	:52	
870	567	:52	
880	570	:53	
890	557	:54	
900	562	:54	
0m	57698	1:51	

APPENDIX III

CERTIFICATES OF ANALYSIS

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: ATAC RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LTD.
BOX 4127, 2054 SECOND AVE.
WHITEHORSE, YT
Y1A 3S9

Project : GOLDEN REVENUE-S
Comments:

Page Number : 1
Total Pages : 1
Certificate Date: 29-SEP-1999
Invoice No. : I9929857
P.O. Number :
Account : RCM

CERTIFICATE OF ANALYSIS A9929857

SAMPLE	PREP CODE	Ag FA g/t	Pb %
M451955	212 --	196	3.68

CERTIFICATION:

OVERLIMITS from A9929332

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: ATAC RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LTD.
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Y1A 3S9

Project : GOLDEN REVENUE-S
Comments:

Page Number : 1-A
Total Pages : 1
Certificate Date: 27-SEP-1999
Invoice No. : I9929333
P.O. Number :
Account : RCM

CERTIFICATE OF ANALYSIS A9929333

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 %
BB28918	205	203	35	0.8	1.75	160	< 10	130	< 0.5	< 2	0.36	1.0	9	63	34	2.79	< 10	< 1	0.17	10	0.67
BB28935	205	203	65	1.0	1.44	624	< 10	270	< 0.5	< 2	0.32	0.5	8	51	37	2.48	< 10	< 1	0.12	10	0.38

CERTIFICATION: David Lee

Chemex Labs Ltd.

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Project : GOLDEN REVENUE-S
Comments:

Page Number : 1-B
Total Pages : 1
Certificate Date: 27-SEP-1999
Invoice No. : I9929333
P.O. Number :
Account : RCM

CERTIFICATE OF ANALYSIS A9929333

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB28918	205	203	330	3	0.04	13	480	90	0.02	2	5	28	0.08	< 10	< 10	59	< 10	248
BB28935	205	203	315	3	0.06	16	450	42	0.02	10	4	33	0.05	< 10	< 10	57	< 10	164

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Total Pages : 1
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Invoice No. : I9929332
P.O. Number :
Account : RCM

CERTIFICATE OF ANALYSIS A9929332

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 %
M451951	205	226	10	< 0.2	0.06	36	< 10	10	< 0.5	< 2	0.02	< 0.5	1	12	7	>15.00	10	< 1	0.01	< 10	0.01
M451952	205	226	< 5	< 0.2	1.09	68	< 10	100	< 0.5	< 2	0.08	0.5	1	62	27	0.94	< 10	< 1	0.20	20	0.24
M451955	205	226	5210	>100.0	0.75	>10000	< 10	30	< 0.5	182	0.04	66.0	5	68	372	>15.00	< 10	< 1	0.15	< 10	0.02
M451956	205	226	20	0.6	5.13	110	< 10	< 10	< 0.5	4	0.31	< 0.5	13	128	8	14.10	30	< 1	0.05	< 10	3.05

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CERTIFICATE OF ANALYSIS A9929332

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
M451951	205	226	235	2	0.01	12	110	< 2	0.01	14	< 1	2	0.01	< 10	< 10	251	< 10	88
M451952	205	226	70	< 1	0.05	12	200	26	< 0.01	6	1	15	0.03	< 10	< 10	18	< 10	104
M451955	205	226	140	10	0.01	3	390	>10000	0.64	222	3	273	< 0.01	< 10	< 10	30	< 10	2650
M451956	205	226	1900	5	0.01	60	2240	98	0.64	< 2	22	26	0.11	< 10	< 10	276	< 10	232

CERTIFICATION: _____

APPENDIX IV

DESCRIPTIONS OF ROCK SAMPLES

Rock Sample Descriptions

Project: Golden Revenue Property: SEY

Sample Number: 451951
Grid North: N Grid East: E Type: Float Dimension: 10 X 10 cm
UTM: 6911366 N UTM: 387266 E Sample Width: Abundance: fairly common
Elevation: m
Comments: Massive magnetite float found along an overgrown ball dozer road. Six pieces of float found along a 7m section of road. Massive magnetite with strong limonite and manganese coating.

Sample Number: 451952
Grid North: N Grid East: E Type: Float Dimension: 10X10cm
UTM: N UTM: E Sample Width: Abundance: uncommon
Elevation: m
Comments: Quartz vein material found in an old hand trench. White quartz vein material with no sulphides is common in area but sample consists of light greyish blue quartz vein material with no sulphides and the material is uncommon

Sample Number: 451955
Grid North: N Grid East: E Type: Dimension:
UTM: N UTM: E Sample Width: Abundance:
Elevation: m
Comments: Outcrop and float along road cut. Mainly sedimentary rocks with minor boxwork limonite float. This material has strong limonite throughout with very common vugs but no visible magnetite or sulphides. Looks like quartz vein material but could be sedimentary

Sample Number: 451956
Grid North: N Grid East: E Type: Dimension:
UTM: N UTM: E Sample Width: Abundance:
Elevation: m
Comments: Outcrop and float along road cut. Sample of strongly limonite coated skarnified sediments with weak boxwork texture. No carbonate or typical skarn minerals but rock slightly green with common magnetite along foliation layers.

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: