

675038

93A/6

Memo to; E. Max Baker  
From: Ken Dawson  
Date: January 11, 2006

Re: Examination of Lemon Lake porphyry Cu-Au prospect.

## SUMMARY

In a one-day reconnaissance tour of the property, three mineralized zones sampled in the alkalic Lemon Lake stock gave a best grab sample assay of 0.5% Cu, 0.33 g/t Au and 1.6 g/t Ag.

The 3.5 x 2 km stock is zoned from central alkalic gabbro out to diorite, monzodiorite and monzonite, in part brecciated and intruded by syenite dykes.

The stock is relatively fresh and unaltered except perhaps close to intrusive contacts with host basalt breccia of the Upper Triassic Nicola Formation where an alteration assemblage of K-feldspar, epidote and sericite includes veinlets and disseminations of pyrite, magnetite and minor amounts of chalcopyrite and bornite.

Three previous drill programs did not yield encouraging results. The results of this examination do not support going forward with further exploration work on the property.

## INTRODUCTION

The Lemon Lake property was visited on November 5, 2005, in the company of Gordon Richmond, vendor of the Cedar Creek property at Likely to An-Kobra Resources Inc. The Maeda and Audran claims that overlie Lemon Lake are owned by Dominique Thiollet, wife of Hughes Salat, and are believed to be under option to An-Kobra, but terms of the deal are unknown. Kim Measor of An-Kobra has approached Ab Ablett of Christopher James to participate in the property. The examination was combined with a NI 43-101 examination of the An-Kobra Cedar Creek property by the writer.

## **LOCATION**

Latitude 51°21'N, Longitude 121°16'W. NTS 093A/06E

The Lemon Lake property is located 8 km east of Horsefly and 60 km east of Williams Lake in the Cariboo region of south-central British Columbia. Access to the property is by secondary gravel road to the Weldwood 8500 forestry road. Old forestry roads provide access to the central and southern parts of the property. Elevations range from 800 m to 1000 m ASL. Most of the property is low-lying, swampy and overburden-covered, but rock outcropping occurs in the eastern parts.

## **CLAIMS**

The original MAEDA (118 units, 389313) and AUDRAN (12 units, 389314) claims expired August 19, 2005 and were replaced by claim tenure no. 519005 (829.372 ha) and no. 519007 (197.531 ha), expiry date August 13, 2006. The original claims are shown in Figure 1, the new ones in Figures 2 and 4A and 4B

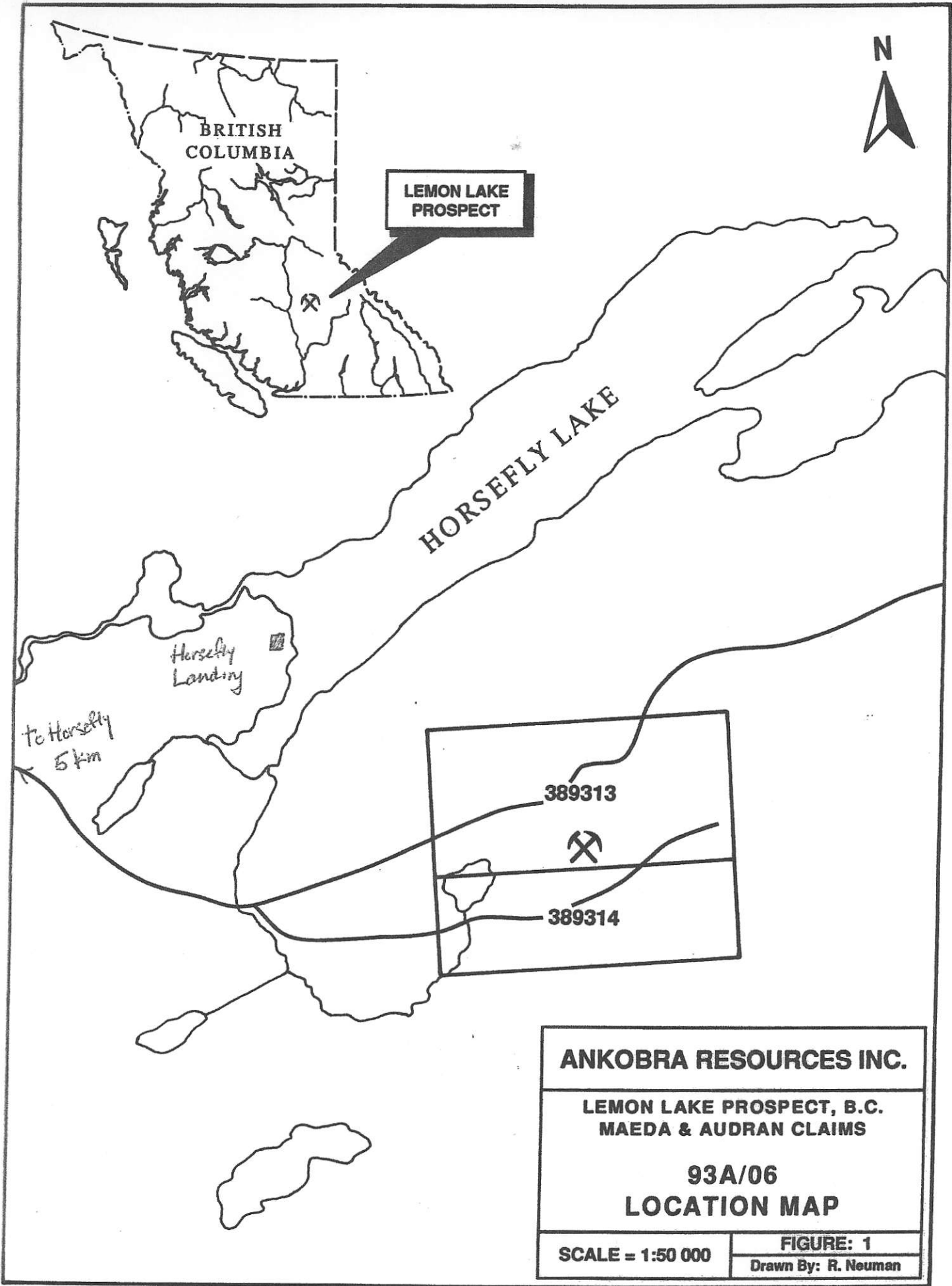
## **HISTORY**

1966: Helicon Exploration discovered PINE showing, MNFILE 093A 002, 2.5 km of IP-Resistivity survey, anomaly found near eastern boundary of property.

1970: Silver Standard carried out 176 km IP-Resistivity survey, found E-W anomaly across most of property N of Lemon Lake. ARIS report no 02779.

1973-74: Hudson Bay Oil and Gas did soil geochem for Mo, IP, mag, trenching, road building, 11,200 feet of deep percussion drilling in 14 holes. Best intersection 130 feet averaging 0.18% Cu, in K-spar altered biotite monzonite, plus disseminated chalcopyrite. AR 4679, 5260, AR 5117.

1986-87: Orbex Industries Inc did soil geochem for Au plus other elements (AR 15456), 1090.8 m of NQ DDH in 7 holes. Propylitized halo around Lemon Lake stock, weakly anomalous Au only element assayed in core.



BRITISH  
COLUMBIA

LEMON LAKE  
PROSPECT

HORSEFLY LAKE

Horsefly  
Landing

to Horsefly  
5 km

389313

389314

**ANKOBRA RESOURCES INC.**

**LEMON LAKE PROSPECT, B.C.  
MAEDA & AUDRAN CLAIMS**

**93A/06  
LOCATION MAP**

**SCALE = 1:50 000**

**FIGURE: 1  
Drawn By: R. Neuman**

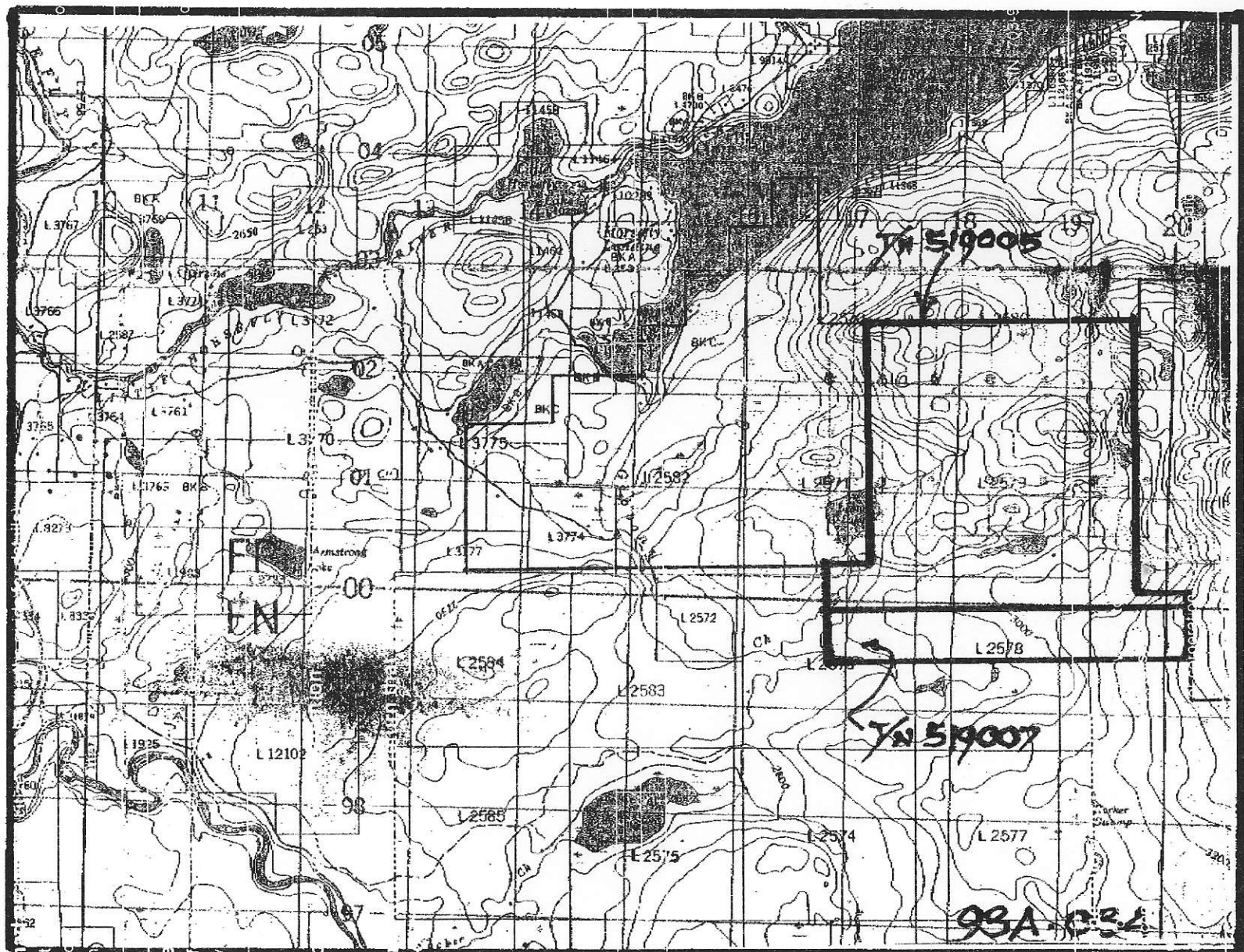


FIGURE 2 New claims 519005, 519007 1:50000 SCALE

1992-93: Canim Lake Gold Corp. did a 37.6 km soil geochem grid for Cu, drilled 12 vertical RC holes for 546 m. on two soil anomalies, 9 completed, one hole intersected 3.1 m of 0.4% Cu, 0.96 g/t Au plus 15m of 0.13% Cu and 369 ppb Au. Holes 92-1 to 92-7 intersected 3 to 24 m of >300 ppm Cu. The entire zone in the SE claim area is overlain by 3-12 m of overburden. AR 22,850. The approximate location of drill holes is given in Figure 4A.

2001: Staked by present owner.

2002: Mapped, prospected, 3 samples taken and 3 petrographic thin sections, By H.P. Salat of Jordanex Resources Inc. AR No not available.

## **REGIONAL GEOLOGY**

The Lemon Lake property is located near the boundary of a central alkali basalt unit and an eastern "black phyllite" unit of Quesnel terrane (Bailey, 1987). The area lies within the "Quesnel Trough", and is marked by one producing alkaline Cu-Au porphyry deposit (Mount Polley) and a producing Au skarn deposit (QR) plus several Cu-Au porphyry prospects (Kwun Lake, Peach Lake) associated with alkaline stocks coeval and cogenetic with their host Late Triassic Nicola Formation volcanics. The Lemon Lake stock is one of this petrogenic family. The simplified regional geology is given in Figure , after Bailey, 1987.

## **PROPERTY GEOLOGY**

Property geology is given in Figures 4A and 4B, after Schatten (1993) and Panteleyev and Handcock (1989). Volcanic rocks crop out intermittently in the northern half of the property, including massive to brecciated basalt flows, andesite and trachyandesite (Salat, 2002). Panteleyev and Handcock (ibid) show a Triassic dark green, maroon and grey pyroxene-phyric basalt breccia, lithic lapilli tuff and mafic wacke surrounding the Lemon Lake stock (Figures 4A and 4B). A contact between scattered outcroppings of volcanics to the north and mainly diorite of the stock to the south, is inferred to trend east-west across the property north of Lemon Lake.

The Lemon Lake stock is concentrically zoned from alkali gabbro out to diorite and monzonite, with parts of the diorite and monzonite hydrothermally altered to K-feldspar, epidote, chlorite with pyrite and lesser amounts of copper sulphides (Payne, 1987). The intrusive rock is brecciated and intruded by K-feldspar dykes and veins that locally coalesce to fenitize the diorite and monzodiorite to syenite.

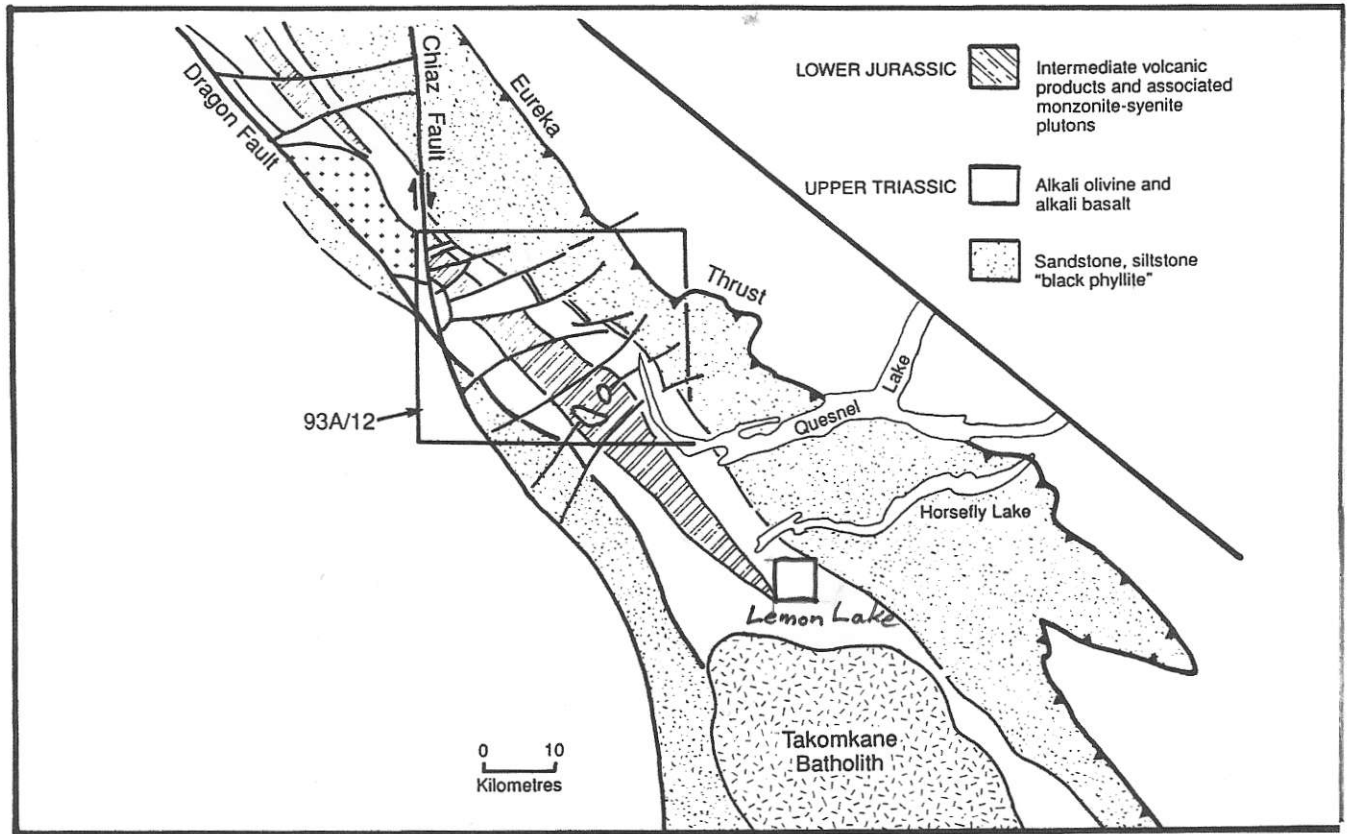


Fig. 3 Simplified Mesozoic geology of the central Quesnel Belt. Bailey, 1987

## ALTERATION AND MINERALIZATION

Propylitic alteration affects all rock units of the stock and intruded volcanic rocks, to varying degrees. A common propylitic assemblage in volcanic hosts is epidote, chlorite, calcite, clay and minor quartz and albite. Intrusive rocks show less epidote and more K-feldspar, and locally sericite and biotite. Magnetite is a common accessory in all intrusive units. Pyrite less abundant, occurring as disseminations and fracture fillings, rarely with chalcopryrite and bornite. Vein and fracture filling gangue is commonly calcite and albite, less commonly quartz.

The only significant showing on the property is located in the east-central part, southwest of an elongated lake near the eastern border. This is denoted with sample number 64459 on Figure . Salat (ibid) notes that this is the original PINE showing, not located in the central claim as shown on MINFILE maps and Figure . A hand trench about 20 m long extends at azimuth 290° across rubbly subcrop of microdiorite. The intrusive is veined first by quartz-K-feldspar-magnetite, then cross cut by quartz-albite-chalcopryrite-pyrite-bornite veinlets.

A grab sample (#64459) of visibly mineralized material gave the following assay:

Au g/t	Ag g/t	Cu%	Pb%	Zn%
0.33	1.6	0.50	<0.01	<0.01

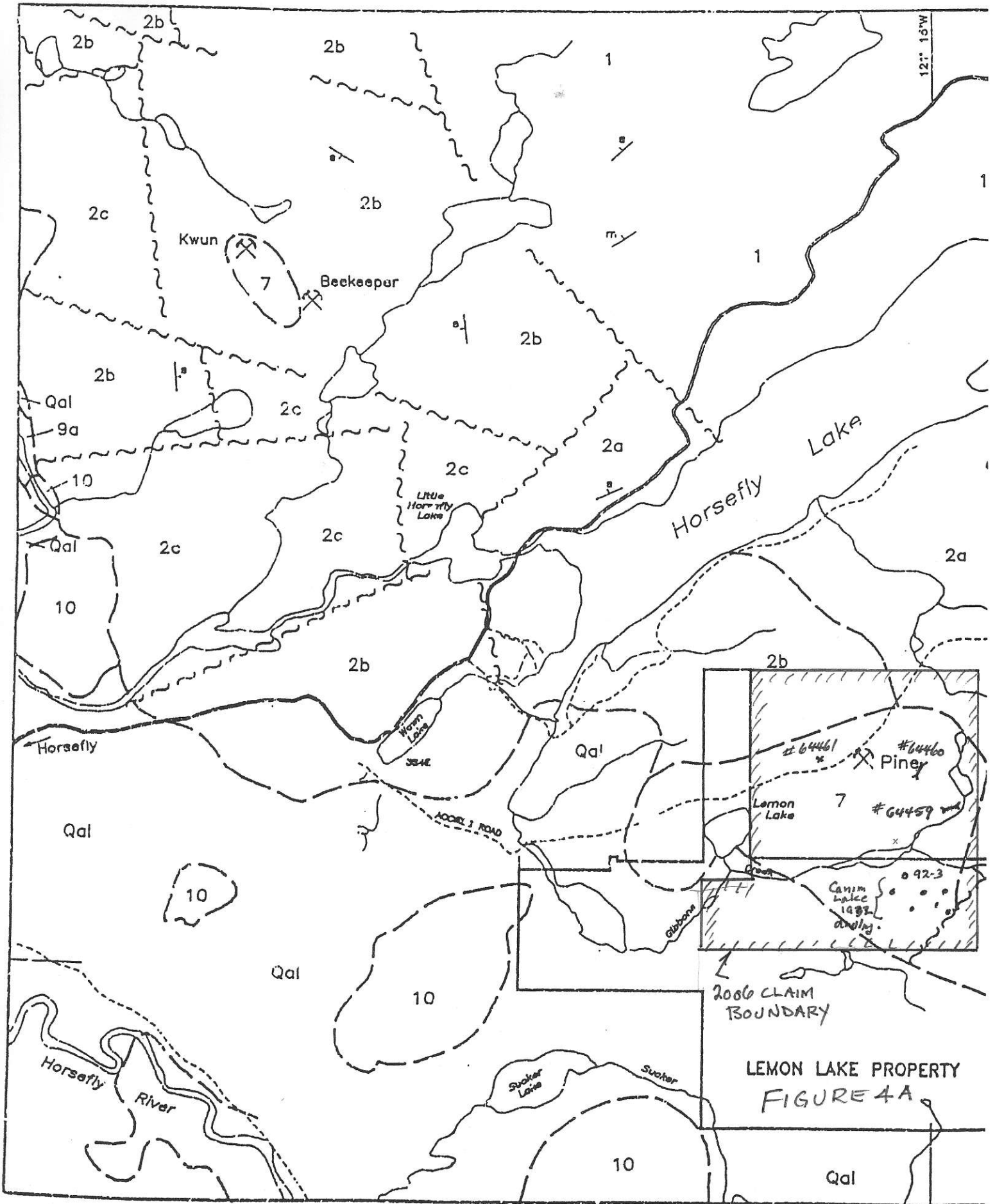
A chip sample of unspecified length by Salat (ibid)(AUDRAN 1) at the same location gave the following ICP analysis:

Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm
835	6.2	13500	2	47	19

The MINFILE report for PINE (093A 002), probably from the same area was sampled by Helicon Exploration in 1984, and yielded 0.25% Cu over 21.3 m, Au was not assayed for.

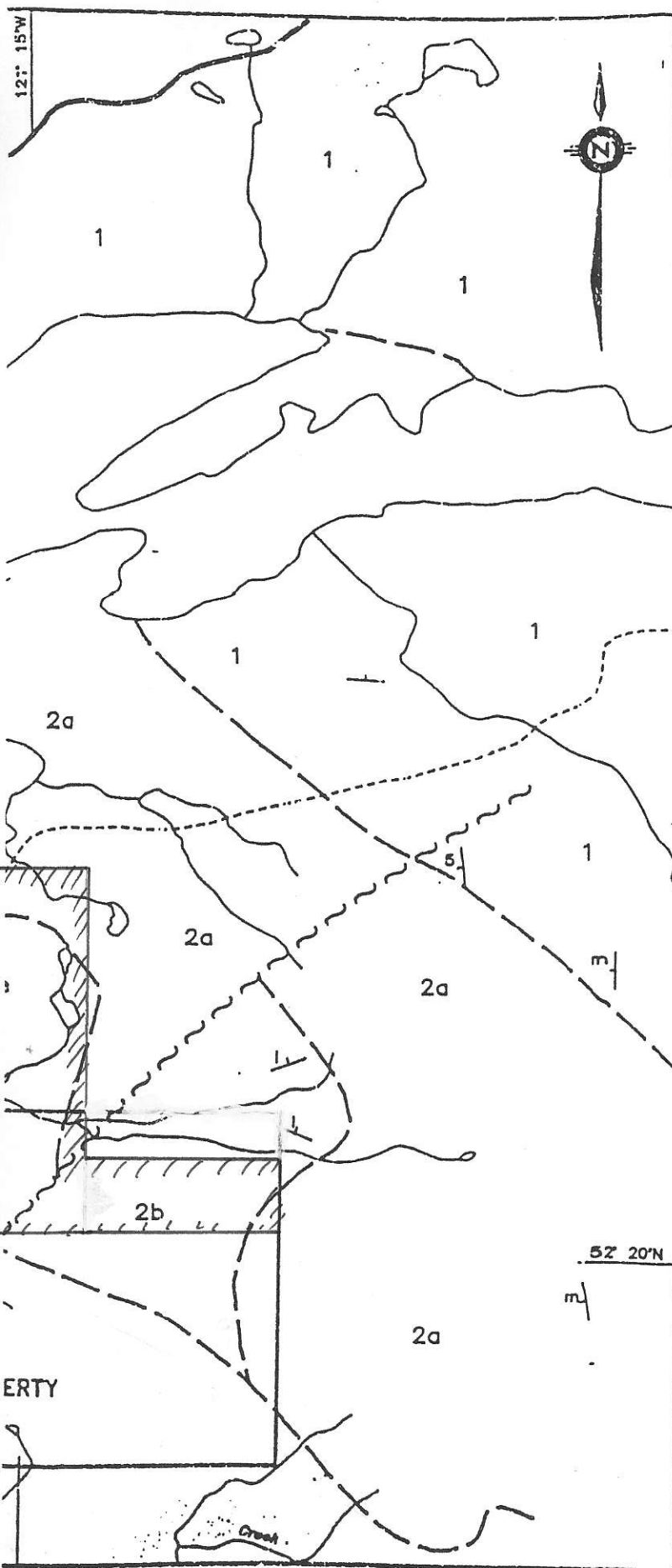
A bulldozer trench in a sidehill of az. 010°, exposed diorite over about 60 m, intruded by syenite dykes (Figure 4). Several altered zones contained a quartz-albite-K-feldspar assemblage with disseminated magnetite, pyrite and chalcopryrite. Assays for grab sample #64460 follow:





LEMON LAKE PROPERTY  
FIGURE 4A





LEGEND

- PLEISTOCENE - RECENT
- Qal glacial and alluvial deposits
- TERTIARY
- Miocene
- 10 plateau olivine basalt
- Eocene
- 3a lacustrine sandstone, siltstone, minor conglomerate
- EARLY JURASSIC
- 7 syenite, gabbro, diorite
- TRIASSIC
- 2c polyolithic gray-green and purple mafic breccia, debris flows or lahar, minor volcanic source conglomerate
  - 2b dark green, maroon & gray pyroxene-phyric basalt breccia, lithic lapilli & ash tuff, mafic wacke
  - 2a green & dark gray pyroxene-phyric alkali olivine basalt and alkali basalt flows, pillow lavas and breccia
  - 1 gray to dark brown siltstone and sandstone, thin chert beds and limestone lenses
- ~ Fault
- m | Bedding attitude; s - steep, m - moderate, l - shallow
- ⌵ Mineral prospect
- (Geology from Panteleyev and Hancock, 1989)

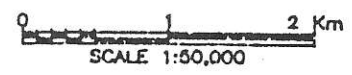


FIGURE 4B

CANIM LAKE GOLD CORPORATION  
 QUESNEL TROUGH PROJECT  
 CARIBOO MINING DIVISION, B.C.

LEMON LAKE PROPERTY  
**PROPERTY GEOLOGY**  
 (after Panteleyev and Hancock, 1989)

PROJECT 92-170	DRAWN rwr	DATE MAR. 1993	FIGURE: 4B
Revised		N.T.S. 03 A/00	

K.V. CAMPBELL & ASSOCIATES LTD.

<b>Au g/t</b>		<b>Ag g/t</b>		<b>Cu %</b>	<b>Pb %</b>	<b>Zn %</b>
0.13	0.4	0.14		<0.01	<0.01	

A side road branching off “8500 Road” northeast of Lemon Lake exposes several outcroppings of gabbro, several of which are altered by epidote, K-feldspar and quartz with disseminated pyrite and sparse chalcopyrite (Figure 4). Grab sample #64461 yielded the following assays:

<b>Au g/t</b>		<b>Ag g/t</b>		<b>Cu%</b>	<b>Pb%</b>	<b>Zn%</b>
<0.03	0.2	0.02		0.01	0.01	

Several other occurrences of Cu shown on Salat’s Figure 2 (ibid) were examined but deemed to be too minor to warrant sampling.

## **CONCLUSIONS**

- The one zone examined that contained elevated assays of Cu and Au apparently corresponds to the original PINE showing. The results of this survey, and the results of drilling in this area by previous investigators, did not support the existence of extensive disseminated porphyry-style Cu-Au mineralization. However, potential exists in this area for mineralization related to the eastern contact of the stock with host volcanics.
- A second mineralized zone in the southeastern claim area, drilled by Canim Lake Gold Corp in 1992, indicates that the stock to the east and south of the outcrop limits may be prospective, particularly in the vicinity of the southern contact with volcanics. No outcrop was exposed, but the prospective zone appears to be located south of the claim limit.
- Although the stock is brecciated, intruded by syenite dykes, and locally altered hydrothermally, the intensity and extent of potentially economic mineralization observed in this survey was disappointing.

## **RECOMMENDATIONS**

No further exploration work on this property is recommended.

## REFERENCES

**Bailey, D.G.**

1987: Geology of the central Quesnel belt, Hydraulic, South-Central British Columbia (93A/12) *in* Geological Fieldwork 1987, British Columbia Ministry of Energy, Mines and Petroleum Resources, Paper 1988-1, p. 147-153.

**Payne, C.W**

1987: 1986 Gibbons Creek Drill Program, LEM 3 Claim, for Orbex Industries Inc., British Columbia Ministry of Energy, Mines and Petroleum Resources, Assessment report No. 15,925.

**Panteleyev, A. and Handcock, K.**

1989: Geology of the Beaver Creek-Horsefly River Map Area, British Columbia Ministry of Energy, Mines and Petroleum Resources, Open File 1989-14.

**Salat, H.P.**

2002: Geological Reconnaissance, Mapping and Prospecting of the Lemon Lake Property, B.C., Cariboo Mining Division, NTS 93A/06, British Columbia Ministry of Energy and Mines, Assessment Report.

**Schatten, M.**

1993: Assessment Report on the Lemon Lake Property 1992 Geochemical and Drill Program, British Columbia Ministry of Energy, Mines and Petroleum Resources, Assessment Report No. 22,850, 69 p.

## APPENDIX

**Assay Certificate**

**Mineral Titles Data**

## CERTIFICATE OF ASSAY AK 2005-1507

**CHRISTOPHER JAMES GOLD CORPORATION**

Suite 102 418 St Paul Street

**Kamloops, BC**

V2C 2J6

1-Dec-05

*No. of samples received: 3*

*Sample type: Rock*

*Project #: Lemon Lake*

*Shipment #: n/a*

*Samples Submitted by: J.A. Rousell*

<b>ET #.</b>	<b>Tag #</b>	<b>Au (g/t)</b>	<b>Au (oz/t)</b>	<b>Ag (g/t)</b>	<b>Ag (oz/t)</b>	<b>Cu (%)</b>	<b>Pb (%)</b>	<b>Zn (%)</b>
1	E64459	0.33	0.010	1.6	0.05	0.50	<0.01	0.01
2	E64460	0.13	0.004	0.4	0.01	0.14	<0.01	<0.01
3	E64461	<0.03	<0.001	0.2	0.01	0.02	0.01	0.01

**QC DATA:**

***Repeat:***

1	E64459	0.35	0.010	1.5	0.04	0.50	<0.01	<0.01
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***Resplit:***

1	E64459	0.43	0.013	1.5	0.04	0.54	<0.01	<0.01
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***Standard:***

OX140	1.68	0.049						
PB106			59.3	1.73	0.62	0.52	0.84	
CU106			136	3.97	1.43			

JJ/ga

XLS/05

CC: Ab Ablett - Fax

CC: Ken Dawson - Email

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Jutta Jealouse

B.C. Certified Assayer


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	138142	M	GOOD

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1 -- 2 out of 2

Tenure Number	Claim Name	Owner	Map Number	Good To Date	Status	Mining Division	Area	Tag Number
519005		138142, 100%	093A	2006/AUG/13	GOOD		829.372	
519007		138142, 100%	093A	2006/AUG/13	GOOD		197.531	

1 -- 2 out of 2

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