093827

1997 Geological Assessment Report

TITLE: Emerald Lake Claims

AUTHORS: Xiangdong Jiang BSc
David Broughton MSc

WORK PERIOD: July 14 – 31, 1997

CLAIMS:

AU	1-42	YB44069 – YB44110
BEN	1-64	YB65613 – YB65676
EM	1-106	YB44695 – YB44800
	107-112	YB64001 – YB64006
ET	1-16	YB44189 – YB44204
FIDO	1-64	YB64109 – YB64172
HER	1-4	YB44181 – YB44184
MY	1-52	YB44205 – YB44256
	57-154	YB44261 – YB44358
WEAS	1-4	YB42979 – YB42982
	25-40	YB43003 – YB43018
	43-52	YB43021 – YB43030
YZ	1-4	YB64031 – YB64034

LOCATION: - Mining Division: Mayo, Yukon Territory

- Co-ordinates: Latitude: 63°00' - 64°00'
  Longitude: 130°00' - 132°00'

- NTS Map Sheets: 105-O/3,6,11 and 12

OWNER: *Alliance Pacific Gold Corp.*

OPERATOR: Cyprus Canada Inc.

DATE OF REPORT: March 1998

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 $ 48,600.00.

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

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1. SUMMARY

During the 1997 field season, Cyprus Canada Inc. conducted a helicopter supported prospecting program on a number of claim blocks, subject to a farm-in agreement with Alliance Pacific Gold Corp. Sampling for Fort Knox-Dublin Gulch style of gold mineralization was concentrated on specific target areas within a 75 kilometres by 100 kilometres area centred on syenite, quartz monzonite and granite intrusions of Cretaceous age, located in the Rogue Range of the Selwyn Mountains, 380 kilometres northeast of Whitehorse, Yukon. The total magnetic intensity data indicates that the small, one to ten kilometres in diameter, intrusions exposed at surface are apopheses from larger, buried intrusions stretching for at least 65 kilometres in a WNW direction. Approximately 35 man-days were spent on the nine claim blocks and a total of 212 rockchip, soil and silt samples were collected.

Gold mineralization, in quartz and quartz-sulphide veins, is localized in the margins of the intrusions and adjacent hornfels aureoles. One or more chip samples grading $\geq$ 1 g/t Au were reported from six claim blocks. The other claims examined returned considerably less encouraging results from this sampling program.

Total expenditure by Cyprus was approximately $80,000.

2. CONCLUSIONS AND RECOMMENDATIONS

The discovery of gold in sheeted and stockwork quartz vein systems hosted by granitic intrusions has led to the recognition of the 'Fort Knox' type of intrusive hosted gold deposit in Alaska and Yukon. Accessory elements include Bi, Te, As, W and Mo. Gold grades are typically in the 0.5 to 1.7 g/t range but tonnages can be significant. Two of these deposits, Fort Knox and Brewery Creek, are in production but only because of a combination of low stripping ratio, proximity to power and infrastructure, and at least partially oxidized and broken host rock. A third deposit, Dublin Gulch, has not achieved production for a number of reasons including hard, unweathered host rock, higher strip ratio, lack of infrastructure and awkward topography.

Not only is the Emerald Lake area devoid of any amenities such as roads, infrastructure and power but it is characterized by extremely rugged, recently glaciated topography. To be economic, a gold deposit will probably require significant intervals of plus 5 g/t Au. Most of the mineralization noted during 1997 appears to be associated with widely spaced quartz or quartz-sulphide veins near the margins of the stocks and plutons. The hornfelsed aureoles were developed in relatively unreactive sedimentary rocks and are not particularly favourable host rocks for gold mineralization. Although gold is widespread in a number of intrusions in the area, the lack of structural complexity, either faulting and/or folding, to provide a locus for better grade mineralization is disappointing.

In spite of these negative points, there are a number of mineralized intrusions and anomalous drainage basins deserving of further prospecting and sampling.

- Additional sampling and prospecting is recommended on the YZ and WEAS claim blocks. Review of earlier Agip work on the MY claims is suggested before any follow-up of a reported mineralized interval of 10 metres grading 15.9 g/t Au.

- More sampling and prospecting would be useful on the AU, LM and EM claim blocks but at lower priority than the previously discussed blocks.

- During the proposed mapping and sampling, greater effort should be directed towards continuous chip or panel sampling and estimation of volume of veins to reach a better estimation of gold grade.

- No further work is recommended on the following claim blocks; BEN, ET, HIS, HER, NID, and FIDO.

3. INTRODUCTION

Exploration, since 1989, for gold associated with quartz-monzonite intrusions in Alaska and western Yukon (now termed 'Tombstone Suite') has discovered three significant gold deposits. From west to east they are:

1. Fort Knox, 158.3 million tonnes grading 0.83 g/t Au (proven and probable), production cash cost approximately $190 per ounce.

2. Brewery Creek, 17.1 million tonnes grading 1.45 g/t Au (mineable reserves), production cash cost approximately $190 per ounce.

3. Dublin Gulch, 50.4 million tonnes grading 0.93 g/t Au (mineable reserves).

Since the discovery of these deposits, there has been considerable exploration activity focussed on the belt of quartz-monzonite intrusions extending from Fairbanks, Alaska to MacTung on the Yukon-NWT border. Alliance Pacific staked their claim blocks, located northwest of MacTung, in 1995 and 1996. After conducting an initial assessment, including core drilling on four of the claim blocks, Alliance Pacific farmed-out the properties to Cyprus Canada Inc.

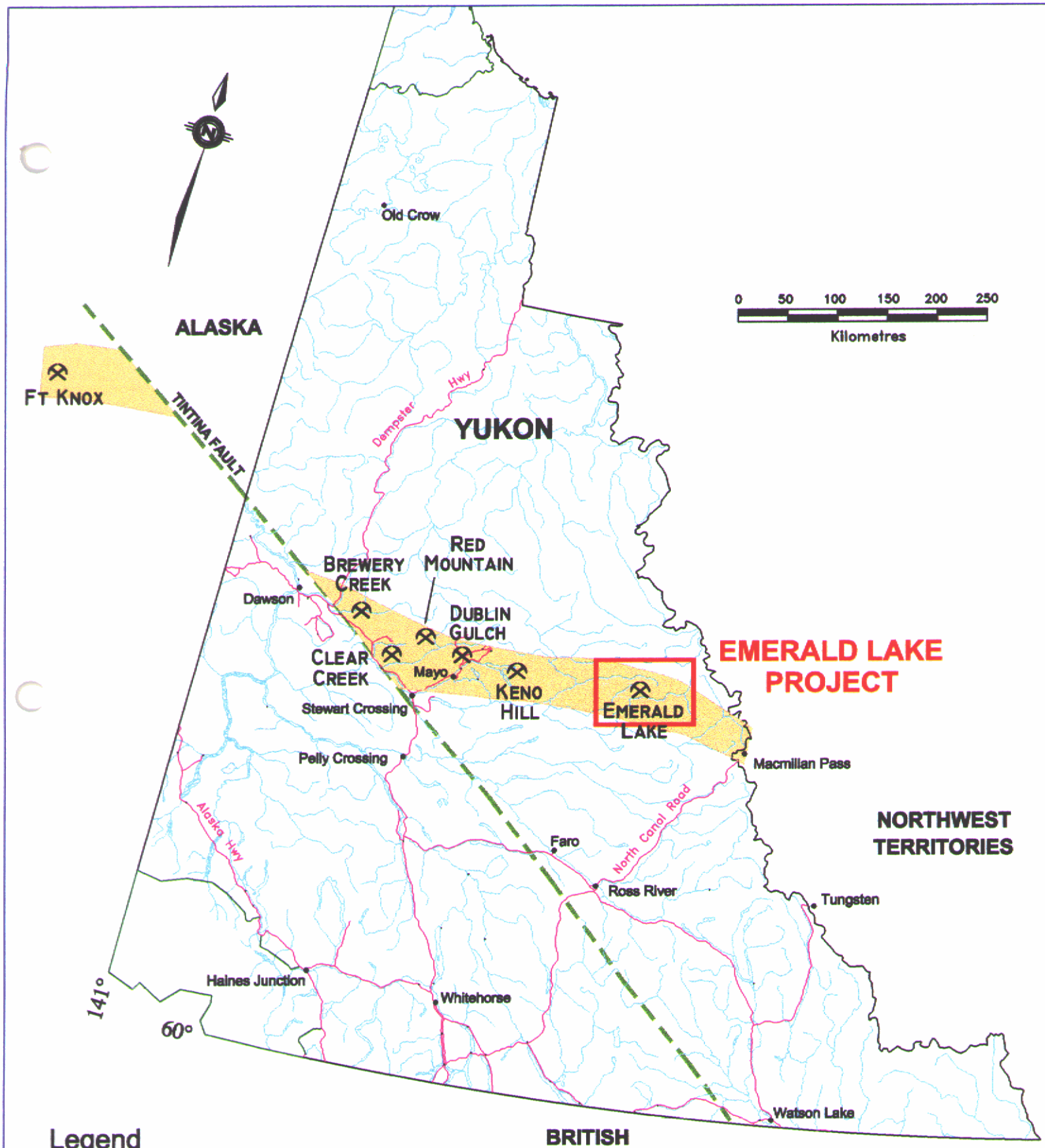
Under the terms of an agreement, dated 30 June, 1997, between Cyprus Canada Inc. and Alliance Pacific Gold Corp and Brian Lueck, Cyprus can earn 70 percent in 12 claim blocks through work commitments totaling $4,000,000 over five years. First year work commitment is $70,000.

4. LOCATION AND ACCESS

The project area is located 380 kilometres NE of Whitehorse on NTS map sheet number 105O (Figure 1) and includes a number of claim blocks spread across a 75 by 100 kilometres area (Figure 2).

The inactive Plata Mine camp and airstrip, located on the west side of the project area and some 90 kilometres west of the MacTung deposit was used as a base of operations. The camp is accessible by a 100 kilometres long winter bulldozer trail from the North Canol Road.

Fixed wing aircraft up to DC-3 in size have used the Plata strip. Emerald Lake, located in the centre of the project area is amenable to float planes. Access to the claim blocks and target areas, usually located in steep to precipitous topography, is easiest by helicopter.


ALASKA
YUKON
BRITISH COLUMBIA
NORTHWEST TERRITORIES
Old Crow
Dempster Hwy
FT KNOX
TINTINA FAULT
BREWERY CREEK
RED MOUNTAIN
Dawson
DUBLIN GULCH
CLEAR CREEK
Mayo
KENO HILL
EMERALD LAKE
EMERALD LAKE PROJECT
Stewart Crossing
Pelly Crossing
Macmillan Pass
Alaska Hwy
North Canol Road
Faro
Ross River
Tungsten
Haines Junction
Whitehorse
Watson Lake
141°
60°
0 50 100 150 200 250
Kilometres
Legend
KENO HILL
Major Gold Deposit
Tombstone Suite Plutonic Belt
Cyprus Canada Inc.
A Cyprus Amax Company
LOCATION OF EMERALD LAKE PROJECT YUKON
Figure 1
File: d:\drawings\yukon\yukon-prov-cases.dwg
Last printed: 17-Feb-98

Rogue River

NEW

NEW OLD

CABIN

CABIN CREEK AREA

BEN

Arrowhead Lake

Rogue River

+ 405,000E
7,065,000N

AU

ARROWHEAD AREA

FIDO / PLATA NORTH AREA

KAT

Old Cabin Creek

ET

FIDO

P.S.W.

P.S.W.

INCA

PLATA

AG

AG

SYB

LM

MY

XDD

FAN

SCEPTRE

ROG

Emerald Lake

BEE

HIS

EMERALD LAKE AREA

CAMP

105O/12 105O/10

105O/05

63°30'

131°30'

HER

105O/11

105O/08 105O/07

Emerald Creek

Hess River

365,000E
7,025,000N

TWIN BATHOLITHS AREA

EM

SCOTT

Hess River

Niddery Lake

YZ

NID

BRICK

NEVE

105O/04

NIDDERLY LAKE AREA

105O/03 105O/02

ANN MARK AREA

CYP

JET

WEAS

North MacMillan River

Emerald Lake

TOMBSTONE TREND

Ft. Knox

Brewery Creek

Dublin Gulch

LEGEND

- CYPRUS \ ALLIANCE PACIFIC CLAIMS
- OTHER CLAIMS
- TOMBSTONE INTRUSION
- TRAIL

093827 Pg.10

0 5 10 15

Kilometres

Scale: 1:250,000

Cyprus Canada Inc.
A Cyprus Amax Company

EMERALD LAKE PROJECT - YUKON
Mayo Mining Division
NTS: 105 O

CLAIMS AND COMPILATION

Date: 26-Feb-98 Checked by:XDJ
Projection: NAD 27, UTM Zone 9 Drawn by: PW
File:d:\...\Yukon\105o-page-no-mag-assess.dwg

Fig: 2

5. CLAIMS

The project area includes 12 claim blocks totalling 520 claim units. Table 1 summarizes the pertinent claim data.

CLAIM STATUS

TABLE 1

NAME	CLAIM NO.	RECORD NO.	EXPIRY	OWNER	PROJECT
AU	1-42	YB44069-YB44110	04/28/2001	APGC	EMERALD LAKE
BEN	1-64	YB65613-YB65676	07/22/2000	BRIAN LUECK	EMERALD LAKE
ET	1-16	YB44189-YB44204	04/28/2001	APGC	EMERALD LAKE
HER	1-4	YB44181-YB44184	04/28/2001	APGC	EMERALD LAKE
HIS	1-4	YB44185-YB44188	04/28/2001	APGC	EMERALD LAKE
MY	1-52	YB44205-YB44256	04/28/2001	APGC	EMERALD LAKE
MY	57-154	YB44261-YB44358	04/28/2001	APGC	EMERALD LAKE
FIDO	1-64	YB74109-YB74172	07/16/2001	APGC	EMERALD LAKE
WEAS	1-4	YB42979-YB42982	06/29/2001	APGC	EMERALD LAKE
WEAS	25-40	YB43003-YB43018	06/29/2001	APGC	EMERALD LAKE
WEAS	43-52	YB43021-YB43030	06/29/2001	APGC	EMERALD LAKE
NID	1-24	YB64007-YB64030	05/26/2001	APGC	EMERALD LAKE
YZ	1-4	YB64031-YB64034	05/26/2001	APGC	EMERALD LAKE
LM	1-6	YB44111-YB44116	04/28/2001	APGC	EMERALD LAKE
EM	1-106	YB44695-YB44800	05/26/2000	BRIAN LUECK	EMERALD LAKE
EM	107-112	YB64001-YB64006	05/26/2000	BRIAN LUECK	EMERALD LAKE

6. REGIONAL GEOLOGY

The Emerald Lake Project lies within the eastern portion of the Selwyn Basin which is comprised of Late Proterozoic to Triassic marine sediments underlain by clastics derived from the cratonic margin located to the east. Most of the following are excerpts from *"Intrusion Related Au Mineralization Associated With Lithophile Elements: An Under-Recognized Metallogenic Association" - an electronic poster by Lang et al, 1997, MDRU.*

Late Cretaceous felsic to intermediate intrusives were emplaced during a period of regional folding and faulting associated with east-west shortening. Recent work has subdivided these intrusions into two groups; The Tombstone Plutonic Suite and the Tungsten Plutonic suite. Together, these suites form the northernmost magmatic belt in the Yukon, termed the Tombstone-Tungsten Magmatic Belt (TTMB). This narrow belt extends for up to 500 kilometre from just east of the Yukon-Northwest Territories border to the Tintina Fault near Dawson City, Yukon, with an extension of the belt located 450 kilometres to the northwest in the Fairbanks district, Alaska, due to dextral displacement along the Tintina Fault (Fig. 1). Extensive radiometric dating indicates that the entire belt was emplaced between 89 Ma and 95 Ma, with most at 91±1.5 Ma.

The TTMB has been subdivided into two contemporaneous and partially overlapping suites. The Tungsten Plutonic Suite (WPS) forms the eastern end of the belt, whereas the Tombstone Plutonic Suite (TPS) forms the remainder of the belt to the west. Both suites were emplaced into Proterozoic to Paleozoic rocks of platformal and miogeoclinal facies (Ogilvie-Mackenzie Platform) or of basinal facies (Selwyn Basin). In the central and western Yukon, TPS plutons cut thrust faults which were active between late Jurassic and mid-Cretaceous time. No coeval volcanic rocks are recognized with either the TPS or the WPS.

The TPS comprises the bulk of the TTMB and is discussed in some detail since these intrusions are associated with the gold deposits. Most TPS intrusions are subalkaline, metaluminous biotite-hornblende±pyroxene granodiorite, quartz monzonite, monzogranite and syenite, with minor granite, and rare gabbro and clinopyroxenite. Abundant associated dikes include lamprophyres, pegmatites, aplites, and dikes similar in composition to the main intrusive phases. Intrusions range from plugs to small batholiths, with larger intrusions commonly gradationally zoned from relatively mafic marginal phases to more differentiated interior phases. It is not clear if there is a consistent progression in intrusive composition over time.

The medium to coarse-grained intrusions are typically porphyritic and megaphenocrysts of K-feldspar to several centimetres in length are common. Magnetite is almost completely absent, traces of ilmenite are common, and titanite is typically either absent or quite abundant. Miarolitic cavities are common in TPS intrusions and generally are typically less than a few centimetres in size, but within the Emerald Lake pluton they are up to two metres in diameter. Infill of miarolites is commonly zoned and comprises quartz, tourmaline, alkalic feldspar, biotite and locally sulphide or sulphosalt minerals.

Two mineralogically and compositionally distinct subsets of the TPS have been recognized.

1. Alkalic rocks are limited to the westernmost end of the belt in the Yukon and comprise monzonite, syenite and tinguaite. These intrusions contain, at least locally, melanite garnet, feldspathoids, alkalic amphiboles and pyroxenes, and rare fluorite.

2. Intrusions of peraluminous compositions are volumetrically very minor. As an example, the core of the zoned Syenite Ranges intrusion contains a small zone of weakly to moderately peraluminous, tourmaline-bearing granite that has gradational contacts with the main metaluminous phases of the intrusion. In general, field observations and preliminary geochemical data suggest that these peraluminous phases are late-stage differentiates of the metaluminous magmas.

An important feature of almost all TPS intrusions is the development of extensive contact metamorphic aureoles. These aluminosilicate-bearing hornfels zones are up to several kilometre in width, and are commonly much larger than the associated intrusions. Abundant pyrrhotite generates prominent magnetic highs.

7. MINERALIZATION

Although, mineralization associated with TPS intrusions is widely variable in style, the different styles have an overall metal assemblage of Au-Bi-W-As±(Sb, Mo, Hg, Ag, Zn, Cu). Mineralized districts usually contain several types of deposits commonly zoned around intrusions. Styles of mineralization explored in Alaska and Yukon include:

- Sheeted Au-Quartz Veins within Intrusions. The Fort Knox and Dublin Gulch gold deposits are the most economically significant members of this class. The quartz veins are narrow, planar, generally parallel to regional structures and are dominated by quartz, with variable amounts of sericite, K-feldspar, biotite, calcite, scheelite and tourmaline. They are generally low in sulphide, but locally contain abundant pyrite and arsenopyrite accompanied by minor molybdenite and bismuthinite. Alteration is restricted to narrow sericite±Kfeldspar envelopes. Veins in the surrounding metasedimentary rocks are weakly to unmineralized but often contain abundant tourmaline. Although sheeted veins are developed through extensive portions of the intrusions, mineralization is typically spatially restricted to a portion of the intrusions.

- Au-Bearing Disseminations and Quartz Stringers Within Intrusions. The best example is Brewery Creek where mineralization is found in small dikes, sills and plugs outside of the hornfels zone which surrounds larger intrusions to the south. Veining is not sheeted.

- Metasediment-Hosted, Disseminated, Stringer and Breccia Mineralization Outside Intrusions and External to Hornfels Zones. Examples include the Pacific, Blue and North Slope zones at Brewery Creek, and the Discovery zone at Ida.

- Large, Auriferous Quartz-Sulphide Veins Outside Intrusions but Within Hornfels Zones. Examples include the Olive and Catto Creek zones at Dublin Gulch, and Mike North at Mike Lake.

- Sediment-Hosted Stratabound Sulphide Replacements. These are both within and outside the hornfels (e.g., Wayne near Keno Hill, Heidi at Lake Creek). This is broadly similar to Carlin style mineralization (Poulsen et al., 1996).

- Skarn at Intrusive Contacts. There are numerous W±Sn±Au occurrences reported and a scattering of Cu-Au skarn occurrences.

- Sn Anomalies Outside Intrusions. Sn-bearing breccias and skarns (e.g., Tin Dome at Dublin Gulch) are within the hornfels but are slightly more peripheral to intrusive contacts than W skarns.

- Pb-Zn-Ag±Au Veins. These are found mostly outside the metamorphic aureole and are the style most peripheral to intrusions. In many systems, these zones remain to be conclusively linked to the TPS intrusions. A direct connection between some examples of this style (e.g., Keno Hill) remains tenuous.

A critical feature of intrusion-hosted mineralization in TPS systems is the formation of Au and sulphide mineralization in several different stages ranging from near solidus to low-temperature conditions. At Emerald Lake mineralization precipitated in:

- Large miarolites infilled with quartz-K-feldspar-apatite-tourmaline-biotite;
- Early hornblende-biotite pegmatoidal dikes/veins;
- High-temperature quartz-hornblende-feldspar-titanite veins; and
- Lower temperature, sheeted vein deposits.

8. LOCAL GEOLOGY

The Selwyn Basin sedimentary rocks include quartzite, slate and phyllite of the Late Proterozoic Rapitan Group, black chert of the Ordovician Road River Formation, and graphitic shale, argillite of the Devonian Earn Group (GSC Open Files 1006, 1118).

The sedimentary sequence is intruded by granodiorite to quartz monzonite stocks and plugs of the Tombstone suite, dated at ~92 Ma (Lang *et al*, 1997). Most of the intrusives range in size from small plugs less than one square kilometre in area to stocks of 20 to 30 square kilometres. The intrusions are generally medium grained and equigranular, although porphyritic and megacrystic varieties are known. The intrusions generally contain 10 to 20 percent quartz, a similar percentage biotite, and up to 70 percent plagioclase feldspar. Magnetite is absent, however minor amounts of pyrrhotite contribute to a weak magnetic signature. By far, the dominant magnetic signature is associated with pyrrhotite-biotite hornfels zones that extend more than a kilometre from the intrusive contacts.

The intrusions are generally quite massive and unweathered. Gold mineralization within the intrusions is typically related to narrow quartz veins and veinlets, which are usually steeply dipping and sheeted. The vast majority of the veins are less than five centimetres wide, and strike for several metres to tens of metres. There appears to be a gradation from poorly or non-mineralized veins with minor biotite haloes and trace pyrrhotite, to modestly mineralized veins with biotite – sulphide haloes, to well mineralized veins with locally massive sulphides. The most common sulphides are arsenopyrite, pyrite, pyrrhotite, sphalerite, galena, chalcopyrite, molybdenite and bismuthinite. Alteration within the mineralized zones is restricted to the immediate vein selvage, and is rarely pervasive between veins.

A small zone of auriferous skarn and vein mineralization occurs locally within the hornfels of the Ann Mark intrusion (105O/03, Weas claims).

High grade narrow silver-lead veins occur north of the Plata camp, on the Plata-Inca claims. These veins are hosted within a series of faults and shear zones, the most important of which is an east-west striking, south 45 degrees dipping thrust. Dawson

Eldorado Mines Ltd. produced approximately 2900 tonnes of ore grading 4800 g/t Ag from more than nine veins, during the period 1983 to 1987. Several auriferous veins are also present at Plata, the most significant being the P4 zone with a drill-indicated resource of about 159,000 tonnes grading 402 g/t Ag and 3.8 g/t Au (Angeren, 1997). Yukon Gold drilled six holes in 1996 targeting the P3 and P4 zones, and suggested that the Plata veins held potential for over 450,000 tonnes. The veins could be genetically related to the Plata North intrusion exposed seven kilometres to the north.

9. PREVIOUS WORK

As a result of discoveries at Tom, Jason, Plata and MacTung, the Emerald Lake area was explored for base metals, silver and tungsten by numerous companies since the 1960s. Within the project claim areas, the majority of the previous work was conducted by Atlas and Agip from 1969 to 1982 and included regional stream sediment and soil sampling, prospecting and trenching.

In 1990, the government released RGS data from a systematic stream sediment sampling program over the Yukon portion of the NTS sheet (GSC Open File 2364). This prompted Yukon Gold's (now Alliance Pacific Gold Corp) 1995 program of silt, soil and rock sampling, to follow-up the numerous gold-arsenic anomalies centred on the TPS intrusives. This program successfully located gold-sulphide mineralization associated with sheeted quartz veins in several of the intrusions, most notably at Arrowhead, Emerald Lake, Ann Mark and Plata North. Yukon Gold continued its exploration in 1996 with a 16 hole diamond drill program, further prospecting and sampling work. The best drill results came from holes at Arrowhead and Ann Mark, which returned 1.84 g/t Au over 96 metres, and 1.01 g/t Au over 21 metres, respectively.

10. 1997 WORK PROGRAM

Cyprus' 1997 program was designed to investigate the potential for sediment-hosted gold deposits in the hornfels aureoles surrounding the intrusions. Target selection was based largely upon the government stream sediment sampling data, with a focus on gold anomalies unexplained by known intrusive hosted mineralization. Map 1 shows the location of the target areas, which usually consist of anomalous drainage basins. Some of the targets were upgraded by the presence of a magnetic response in an area where only sediments had been mapped. A secondary objective was to examine areas of known mineralization within the intrusives on the Alliance Pacific claims, and involved re-evaluation of the Ann Mark, Plata North and Tom Zones, etc. Map 1 shows sample locations and Au assay results for all areas except 105O/03, 105O/06, 105O/11 and 105O/12, which due to space limitations are plotted at 1:50,000 scale as Maps 3 through 6. Appendix 1 contains sample descriptions and analytical results for Au plus 35 element ICP analyses. Results from Cyprus' examinations of the various claim blocks are summarized below.

10.1 WEAS Claims

(WEAS 1 – 4, 25 – 40, 43 – 52, YB42979 – YB42982, YB43003 – YB43018, YB43021 – YB43030) NTS 105 – O – 3

Location and Claims

The WEAS claim block consists of 30 claims located in the Mayo Mining Division, Yukon Territory, on NTS map sheet 105 - O - 3 (Figure 3 and Map 3) about 40 kilometres south of Emerald Lake, in the headwaters of Gold River. The center of the claim block is approximately 63°12' north latitude and 131°10' west longitude. About 90 percent of the claim area is above tree line in extremely rugged, steep mountain terrain. Access is by helicopter.

Geology

The WEAS claims were staked to cover a small biotite granodiorite – granite pluton of the Tombstone plutonic suite. The three kilometres long by two kilometres wide intrusion is emplaced into Devonian shale, chert, argillite, sandstone, chert pebble conglomerate, calcareous shale and minor shaly limestones. A strong contact metamorphic aureole several hundred metres wide was developed in the sedimentary rocks and is characterized by a strong "horse-shoe" shaped magnetic high anomaly around the intrusion. The granodiorite is coarse to medium grained with 15 to 30 percent biotite and 10 to 20 percent quartz. Mineralization was found in the southern margin of the intrusion, occurring as structurally controlled sheeted quartz veins and veinlets and local stockwork. Arsenopyrite and lesser pyrite occur from a trace amount to massive sections within the veins. Minor chalcopyrite and bismuthinite were also observed. Very little wall rock alteration was noted. Only minor oxidation of minerals was observed along vein contacts.

Previous Work

Previous work included regional geological mapping by the GSC (Open File 1241, 1982), and stream sediment sampling (RGS) released by the GSC in 1990. Since 1994, Alliance Pacific has conducted a systematic exploration program on the WEAS claims including geological mapping, prospecting, soil and rock chip sampling and diamond drilling. Strong gold and arsenic anomalies were first found in soil along the margins of the pluton. Follow-up surface rock chip sampling outlined gold mineralization in a porphyry environment on the south margin of the intrusion, in the Ann Mark zone. Grab samples yielded gold values from 15 to 20 g/t Au. Five diamond drill holes totalling 1280 metres were drilled on this zone in 1996. Anomalous but mostly sub-economic gold mineralization was intersected with a 29 metre interval averaging 0.66 g/t Au.

Cyprus Program

The 1997 work program by Cyprus on the WEAS claims consisted of six man-day helicopter reconnaissance sampling over the contact zones of the intrusion. A total of 30 samples were collected (sample # 131801, 134181 to134197 and 134205 to 134211, 134213 to134216, 135300). All were analyzed for Au plus 35 element ICP. The results are shown in Appendix 1 and Map 3.

Of the 30 grab samples collected, the three best returned gold values of 20.13 g/t, 7.21 g/t and 5.69 g/t Au. The highest grade was taken from a six centimetres wide arsenopyrite (25% aspy) - quartz vein in granodiorite near the contact zone. The rest of the samples returned generally low gold values.

Recommendations

The mineralization found near the contact zone does not warrant further drilling. Overall, the gold values in the Ann Mark zone are erratic with a strong arsenopyrite association. Further low priority work could be directed towards structural mapping to locate a favourable locus for mineralization.

093827 Pg. 18

396,000E
7,012,000N

CYP

JET

388,500E
7,005,000N

0 1/2 mi

SCALE: 1/2 mile = 1 inch

CYPRUS/ALLIANCE PACIFIC CLAIM

CLAIM HELD BY OTHERS

Based on Sep 22, 1997 claim map
Figure to accompany assessment report dated Feb 1998

CYPRUS CANADA INC.
A Cyprus Amax Company

EMERALD LAKE PROJECT

YUKON TERRITORY – MAYO MINING DIV.

NTS SHEET: 105O/03

CLAIM MAP

WEAS 1–4, 25–40, 43–52

NTS: 105o/3 NAD: 1927	Date: 26-Mar-98	Fig:
Projection: UTM Zone 9 metric	Checked by:TCH	3
File: d:\...\yukon\105o-claim-assess	Drawn by: PW	

10.2 NID and YZ Claims
(NID 1-24, YB64007-YB64030, YZ 1-4, YB64031-YB64034) NTS 105 – O – 6

Location and Claims

The NID claim block consists of 24 claims located about one kilometre south of Niddery Lake and the YZ claim block consists of four claims located about five kilometres to the west of NID claims. Both claim blocks are in the Mayo Mining Division, Yukon Territory, on NTS map sheet 105 - O - 6 (Figure 4 and Map 4). The center of the NID claim block is located at approximately 63°17' north latitude and 131°22' west longitude, and that of the YZ claims is at approximately 63°17.5' north latitude and 131°29' west longitude. About 70 percent of the claim areas are above tree line in moderately to extremely rugged relief. Access is easiest by helicopter.

Geology

The NID and YZ claims were staked to cover two small Tombstone intrusions; one is approximately 1.5 kilometres in diameter and the other is 800 metres in diameter. Both are of granodiorite to quartz monzonite in composition. These stocks have intruded into the Ordovician to Silurian sedimentary rocks of the Road River Group. Black shale and green mudstone are the predominant lithologies plus minor chert, siltstone and limestone. Strong contact metamorphic aureoles (up to one kilometre wide zones of hornfels and pyritization) were developed around the intrusions. A strong magnetic high anomaly exists to the northwest of the NID pluton. Two types of mineralization have been recognized; quartz veins both within and around the intrusion with low gold values; and gold mineralization associated with porphyry dikes. Strong gold and arsenic anomalies were reportedly delineated by AGIP in early 1980s.

Previous Work

Previous work included regional geological mapping by the GSC (Open File 1118, 1982), and stream sediment sampling (RGS) released by the GSC in 1990. Agip Canada Ltd. staked claims in 1982 after anomalous gold values were found during a reconnaissance program. Further soil grid and rock chip sampling was conducted in 1983 by Agip. In 1995, Alliance Pacific staked the NID and YZ claims and conducted soil and rock chip sampling. A large coincidental gold and arsenic anomaly was found over the YZ claims. No drill target was established.

Cyprus Program

The 1997 work program by Cyprus on the NID and YZ claims consisted of one day helicopter supported prospecting. Four grab rock samples were collected within a kilometre to the west of the YZ claims and no anomalous gold values were found. The

sample numbers are 135228 to 135231. The results are shown in Appendix 1 and Map 4.

Recommendations

Based on the large Au-As anomaly outlined by previous work, it is recommended that the YZ claims be further field checked.

093827 Pg. 21

Niddery Lake

YZ

YZ-3 YB64033	YZ-4 YB64034
YZ-1 YB64031	YZ-2 YB64032

NID

NID-24 YB64030	NID-22 YB64028	NID-20 YB64026	NID-18 YB64024	NID-16 YB64022	
NID-23 YB64029	NID-21 YB64027	NID-19 YB64025	NID-17 YB64023	NID-15 YB64021	
NID-14 YB64020	NID-12 YB64018	NID-10 YB64016	NID-8 YB64014	NID-6 YB64012	NID-4 YB64010
NID-13 YB64019	NID-11 YB64017	NID-9 YB64015	NID-7 YB64013	NID-5 YB64011	NID-3 YB64009
					NID-2 YB64008
					NID-1 YB64007

374,000E
7,016,000N

384,000E
7,016,000N

63°15' lat
131°30' long

0 1/2 mi

SCALE: 1/2 mile = 1 inch

CYPRUS\ALLIANCE PACIFIC CLAIM

CLAIM HELD BY OTHERS

Based on 26 Jan, 1998 claim map
Figure to accompany assessment report dated Feb 1998

Cyprus Canada Inc.
A Cyprus Amax Company

EMERALD LAKE PROJECT

YUKON TERRITORY – MAYO MINING DIV.
NTS SHEET: 105O/6

CLAIM MAP
NID 1–24 & YZ 1–4

NTS: 105o/6 NAD: 1927	Date: 26-Mar-98	Fig:
Projection: UTM Zone 9 metric	Checked by:TCH	4
File: d:\...\yukon\105o-claim-assess	Drawn by: PW	

10.3 EM Claims
(EM 1 – 112, YB44695 to YB44800 and YB64001 to YB64006) NTS 105 – O – 06

Location and Claims

The EM claim block consists of 112 claims located near the headwaters of Hess River and about seven kilometres north of Niddery Lake, in the Mayo Mining Division, Yukon Territory, on NTS map sheet 105 - O - 6 (Figure 5 and Map 4). The center of the claim block is at approximately 63°23' north latitude and 131°24' west longitude. About 80 percent of the claim area is above tree line in very steep mountain terrain. Five small ice fields exist in the central portion of the claim block and occupy approximately 1.5 square kilometres. Access to the claims is by helicopter.

Geology

The EM claims were staked to cover two small Tombstone intrusions, called the Twin Batholiths. The biotite bearing granite to granodiorite plugs are 2.5 kilometres and 3 kilometres in diameter and were emplaced into northwest striking Paleozoic sedimentary rocks consisting of argillite, chert, siltstone, quartzite and, locally, minor bright orange weathering dolostones. Strong contact metamorphic aureoles with three strong magnetic high anomalies were developed around the intrusions. Spectacular miarolitic cavities containing Au, Mo and W bearing minerals are locally present. Gold, molybdenite, scheelite, bismuthinite and telluride were noted in some east-west striking, north dipping veins.

Previous Work

Previous stream sediment and rock sampling conducted by Union Carbide Exploration Corp. in early 1980s focused on defining the extent of gold bearing units in the Paleozoic sediments surrounding the Twin Batholiths. Anomalous gold values were detected from veins and breccias near the margins of the intrusions. Regional silt sampling by the GSC in the late 1980s identified a large gold anomaly surrounding the Twin Batholiths. Alliance Pacific conducted an intensive helicopter supported rock, silt and soil sampling program in 1995.

Cyprus Program

The 1997 work program by Cyprus on the EM claims consisted of nine man-day helicopter reconnaissance sampling over the contact zones and hornfels aureoles. A total of 57 samples (including 5 soil samples) were collected (sample # 134159 to 134180 and 134309 to 134323 and 134481, 134483, 134485 to 134497). All were analyzed for Au plus 35 element ICP. The results are shown in Appendix 1 and Map 4. Of the 57 samples taken, only two returned gold values higher than 1 g/t Au and 8 assayed between 0.5 and 1 g/t Au. The best gold mineralization is located in the

sediments (mainly carbonaceous shales, argillite, chert and siltstones) near the previously identified breccia zone between the two batholiths. The zone is several tens of metres wide and is host to a few feldspar-quartz porphyry dikes and numerous small quartz veins. Both the sediments and the dikes are mineralized with pyrrhotite and minor pyrite. Assay results indicate a strong arsenic, antimony and locally bismuth and cadmium association with gold mineralization.

Recommendations

Although there is extensive, prospective, hornfels located between the two intrusives, a maximum of 1.8 g/t Au in a grab sample and lack of any obvious zone of alteration or structural complexity are not encouraging. Low priority traverses and sampling could be conducted in previously neglected areas.

093827 (24)

386,000E
7,033,000N

EM

EM-1 YB44695 EM-2 YB44696 EM-3 YB44697 EM-4 YB44698 EM-5 YB44699 EM-6 YB44700 EM-7 YB44701 EM-8 YB44702 EM-9 YB44703 EM-10 YB44704 EM-11 YB44705 EM-12 YB44706 EM-13 YB44707 EM-14 YB44708 EM-15 YB44709 EM-16 YB44710 EM-17 YB44711 EM-18 YB44712 EM-19 YB44713 EM-20 YB44714 EM-21 YB44715 EM-22 YB44716 EM-23 YB44717 EM-24 YB44718 EM-25 YB44719 EM-26 YB44720 EM-27 YB44721 EM-28 YB44722 EM-29 YB44723 EM-30 YB44724 EM-31 YB44725 EM-32 YB44726 EM-33 YB44727 EM-34 YB44728 EM-35 YB44729 EM-36 YB44730 EM-37 YB44731 EM-38 YB44732 EM-39 YB44733 EM-40 YB44734 EM-41 YB44735 EM-42 YB44736 EM-43 YB44737 EM-44 YB44738 EM-45 YB44739 EM-46 YB44740 EM-47 YB44741 EM-48 YB44742 EM-49 YB44743 EM-50 YB44744 EM-51 YB44745 EM-52 YB44746 EM-53 YB44747 EM-54 YB44748 EM-55 YB44749 EM-56 YB44750 EM-57 YB44751 EM-58 YB44752 EM-59 YB44753 EM-60 YB44754 EM-61 YB44755 EM-62 YB44756 EM-63 YB44757 EM-64 YB44758 EM-65 YB44759 EM-66 YB44760 EM-67 YB44761 EM-68 YB44762 EM-69 YB44763 EM-70 YB44764 EM-71 YB44765 EM-72 YB44766 EM-73 YB44767 EM-74 YB44768 EM-75 YB44769 EM-76 YB44770 EM-77 YB44771 EM-78 YB44772 EM-79 YB44773 EM-80 YB44774 EM-81 YB44775 EM-82 YB44776 EM-83 YB44777 EM-84 YB44778 EM-85 YB44779 EM-86 YB44780 EM-87 YB44781 EM-88 YB44782 EM-89 YB44783 EM-90 YB44784 EM-91 YB44785 EM-92 YB44786 EM-93 YB44787 EM-94 YB44788 EM-95 YB44789 EM-96 YB44790 EM-97 YB44791 EM-98 YB44792 EM-99 YB44793 EM-100 YB44794 EM-101 YB44795 EM-102 YB44796 EM-103 YB44797 EM-104 YB44798 EM-105 YB44799 EM-106 YB44800 EM-107 YB44801 EM-108 YB44802 EM-109 YB44803 EM-110 YB44804 EM-111 YB44805 EM-112 YB44806

376,000E
7,026,000N

0 1/2 mi

SCALE: 1/2 mile = 1 inch

CYPRUS\ALLIANCE PACIFIC CLAIM

CLAIM HELD BY OTHERS

Based on Jan 26, 1998 claim map
Figure to accompany assessment report dated Feb 1998

Cyprus Canada Inc.
A Cyprus Amax Company

EMERALD LAKE PROJECT

YUKON TERRITORY – MAYO MINING DIV.

NTS SHEET: 105O/6

CLAIM MAP

EM 1–112

NTS: 105o/6 NAD: 1927	Date: 26-Mar-98	Fig:
Projection: UTM Zone 9 metric	Checked by:TCH	5
File: d:\...\yukon\105o-claim-assess	Drawn by: PW	

10.4 HER and HIS Claims
(HER 1-4, YB44181-YB44184, HIS 1-4, YB44185- YB44188) NTS 105 – O – 6, 11

Location and Claims

The HER and HIS claim blocks each consist of four claims located about seven kilometres southwest and west of Emerald Lake respectively, in the Mayo Mining Division, Yukon Territory. The HER claims straddle the border between NTS map sheets 105 - O – 06 and 11 and the HIS claims are located on NTS map sheet 105 – O – 11 (Figure 6 and Map 5). The center of the HER claim block is at approximately 63°30' north latitude and 131°20' west longitude, and that of HIS claims at 63°33' north latitude and 131°23' west longitude. About 95 percent of the claim areas are above tree line in very steep mountain terrain. Access is by helicopter.

Geology

The HER and HIS claims were staked to cover two small Tombstone Suite biotite bearing granodiorite plugs about 500 metres in diameter intruded into sedimentary rocks of Cambrian to Silurian age. The sedimentary lithologies include maroon and pale green argillite, grey-white quartzite with interbedded argillite and quartz pebble conglomerate in the lower portion and green argillite, black shale, chert and minor dolostone in the upper portion. A strong contact metamorphic aureole with a strong coincident magnetic high anomaly developed around the HER intrusion.

Previous Work

Previous work included regional geological mapping by GSC (Open File 205, 1974), and stream sediment sampling (RGS) released by the GSC in 1990. Agip conducted surface rock and stream sediment sampling in the early 1980s. Anomalous gold values were found in the stream sediments.

Cyprus Program

The 1997 work program by Cyprus on the HER claims consisted of a one day helicopter reconnaissance sampling over the southern contact zone and hornfels aureole. No work was performed on the HIS claims in 1997. A total of 12 grab samples were collected (sample # 134670 to 134678 and 134680 to 134682) and were analyzed for Au plus 35 element ICP. The results are shown in Appendix 1 and Map 4.

Of the 12 samples taken, four assayed from 158 ppb to 390 ppb Au. These anomalous samples included one sample from rusty granodiorite near a contact with cherty argillite, two stream sediment samples, which confirmed the anomalous gold values found by previous sampling, and one sample from rusty siliceous, argillite – siltstone.

Recommendations

Although sampling and prospecting were not exhaustive, there does not seem to be a zone of significant alteration or mineralization on these well exposed properties. No further work is recommended.

388,000E
7,048,000N

HIS-3 YB44187 | HIS-4 YB44188
HIS-1 YB44185 | HIS-2 YB44186

HIS

1050-11

1050/06

HER-3 YB44183 | HER-4 YB44184
HER-1 YB44181 | HER-2 YB44182

HER

0 1/2 mi

SCALE: 1/2 mile = 1 inch

CYPRUS\ALLIANCE PACIFIC CLAIM

CLAIM HELD BY OTHERS

Based on Nov 17, 1997 and Jan 26 1998 claim maps
Figure to accompany assessment report dated Feb 1998

CYPRUS CANADA INC.
A Cyprus Amax Company

EMERALD LAKE PROJECT

YUKON TERRITORY – MAYO MINING DIV.

NTS SHEET: 1050/6, 11

093827
P9, 27

CLAIM MAPS

HIS 1–4, HER 1–4

NTS: 105o/6 NAD: 1927	Date: 26-Mar-98	Fig:
Projection: UTM Zone 9 metric	Checked by:XDJ	6
File: d:\...\yukon\105o-claim-assess	Drawn by: PW	

378,000E
7,041,000N

10.5 MY Claims
(MY 1 – 52 YB44205 - YB44256, and MY 57 – 154 YB44261 - YB44358)
NTS 105 – O – 11

Location and Claims

The MY claim block is located in the Mayo Mining Division, Yukon Territory, on NTS map sheet 105 - O - 11 (Figure 7 and Map 5) and consists of 150 claims extending east-west across the north end of Emerald Lake. The center of the claim block is located at approximately 63°34' north latitude and 131°14' west longitude. About 70 percent of the claim area is above tree line in extremely rugged steep mountain terrain. Access is by helicopter or by float plane to Emerald Lake.

Geology

The MY claims were staked to cover a Tombstone Suite intrusion (Emerald Lake Pluton) which is exposed over an area approximately 12 kilometres long by 2.5 kilometres wide. The pluton is distinctly alkaline and silica deficient in composition. Typical mineralogy includes a large proportion of K-feldspars (greater than 50%) with subordinate amounts of hornblende and locally biotite. Quartz is rare or absent. Several stages of intrusion were recognized by Smit (1984), including an early trachytic phase, a porphyritic main phase and a later biotite bearing stage. The pluton is emplaced into the Cambrian to Silurian sedimentary rocks, including chert, shale, argillite, siltstone, sandstone, conglomerate and minor carbonate rocks. A strong contact metamorphic aureole of several kilometres wide was developed around the intrusion coincident with a magnetic high anomaly.

Previous Work

Previous work included regional geological mapping by GSC (Open File 205, 1974), and stream sediment sampling (RGS) released by the GSC in 1990. AGIP Canada Ltd. conducted systematic surface exploration work on the Emerald Lake pluton from 1979 to 1982 and discovered significant gold mineralization. Mineralization comprises mainly quartz and quartz-calcite veins in the intrusion. Four zones of significant gold mineralization were found by the previous operators near the intrusive contact (Tom Zone, Meadow Zone, Fish Lake Zone and Mt. Soleil Zone). The best previous assay result from the Tom Zone was 15.9 g/t Au over 10 metres in continuous rock chip sampling of quartz vein material in fractured intrusive. Since 1995, Alliance Pacific has conducted a systematic exploration program on the MY claims including geological mapping, prospecting, soil and rock chip sampling and diamond drilling. Significant visible gold was found associated with bismuthinite in quartz-feldspar pegmatite-veins hosted by the intrusion.

Cyprus Program

The 1997 work by Cyprus on the MY claims consisted of a four man-day helicopter reconnaissance sampling program over a portion of the contact zone. A total of 25 samples were collected (sample # 134153 to 134158 and 134240 to 134247 and 134307, 134308 and 135291 to 135299) and were analyzed for Au plus 35 element ICP. The results are shown in Appendix 1 and Map 5.

Only low anomalous gold values (tens of ppbs Au) were obtained from both the intrusive and the sedimentary rocks near contact zones. A high of 103 ppb Au was returned from gossanous hornfelsed siltstone.

Recommendations

The hornfels-intrusive contact does not appear to be mineralized where examined by Cyprus. A review of the Agip and Alliance Pacific assessment report is recommended to determine whether the extent and continuity of the Tom zone etc. are of interest to Cyprus.

MY-1 YB44205	MY-3 YB44207	MY-5 YB44209	MY-7 YB44211	MY-9 YB44213	MY-11 YB44215
MY-2 YB44206	MY-4 YB44208	MY-6 YB44210	MY-8 YB44212	MY-10 YB44214	MY-12 YB44216
MY-13 YB44217	MY-15 YB44219	MY-17 YB44221	MY-19 YB44223	MY-21 YB44225	MY-23 YB44227
MY-14 YB44218	MY-16 YB44220	MY-18 YB44222	MY-20 YB44224	MY-22 YB44226	MY-24 YB44228
MY-43 YB44247	MY-45 YB44249	MY-47 YB44251	MY-49 YB44253	MY-51 YB44255	
MY-44 YB44248	MY-46 YB44250	MY-48 YB44252	MY-50 YB44254	MY-52 YB44256	

MY

MY-25 YB44229	MY-27 YB44231	MY-29 YB44233	MY-31 YB44235	MY-33 YB44237	MY-35 YB44239	MY-37 YB44241	MY-39 YB44243	MY-41 YB44245		
MY-26 YB44230	MY-28 YB44232	MY-30 YB44234	MY-32 YB44236	MY-34 YB44238	MY-36 YB44240	MY-38 YB44242	MY-40 YB44244	MY-42 YB44246		
	MY-57 YB44261	MY-59 YB44263	MY-61 YB44265	MY-63 YB44267	MY-65 YB44269	MY-67 YB44271	MY-69 YB44273	MY-71 YB44275		
	MY-58 YB44262	MY-60 YB44264	MY-62 YB44266	MY-64 YB44268	MY-66 YB44270	MY-68 YB44272	MY-70 YB44274	MY-72 YB44276	MY-154 YB44358	MY-153 YB44357
MY-73 YB44277	MY-75 YB44279	MY-77 YB44281	MY-79 YB44283	MY-81 YB44285	MY-83 YB44287	MY-85 YB44289	MY-87 YB44291	MY-89 YB44293	MY-91 YB44295	MY-93 YB44297
MY-74 YB44278	MY-76 YB44280	MY-78 YB44282	MY-80 YB44284	MY-82 YB44286	MY-84 YB44288	MY-86 YB44290	MY-88 YB44292	MY-90 YB44294	MY-92 YB44296	MY-94 YB44298
MY-115 YB44319	MY-116 YB44320	MY-121 YB44325	MY-122 YB44326	MY-127 YB44331	MY-128 YB44332	MY-133 YB44337	MY-134 YB44338	MY-139 YB44343	MY-140 YB44344	MY-141 YB44345
MY-113 YB44317	MY-114 YB44318	MY-119 YB44323	MY-120 YB44324	MY-125 YB44329	MY-126 YB44330	MY-131 YB44335	MY-132 YB44336	MY-137 YB44341	MY-138 YB44342	
MY-111 YB44315	MY-112 YB44316	MY-117 YB44321	MY-118 YB44322	MY-123 YB44327	MY-124 YB44328	MY-129 YB44333	MY-130 YB44334	MY-135 YB44339	MY-136 YB44340	

MY

MY-152 YB44356	MY-151 YB44355	MY-150 YB44354	MY-149 YB44353	MY-148 YB44352	MY-147 YB44351	MY-146 YB44350	MY-145 YB44349		
MY-95 YB44299	MY-97 YB44301	MY-99 YB44303	MY-101 YB44305	MY-103 YB44307	MY-105 YB44309	MY-107 YB44311	MY-109 YB44313		
MY-96 YB44300	MY-98 YB44302	MY-100 YB44304	MY-102 YB44306	MY-104 YB44308	MY-106 YB44310	MY-108 YB44312	MY-110 YB44314		
MY-142 YB44346	MY-143 YB44347	MY-144 YB44348							

XDD

BEE

SCEPTRE

Emerald Lake

391,000E
7,053,000N

388,000E
7,048,000N

0 1/2 mi

SCALE: 1/2 mile = 1 inch

093807 Dwg 1A

CYPRUS\ALLIANCE PACIFIC CLAIM

CLAIM HELD BY OTHERS

Based on Nov 17, 1997 claim map
Figure to accompany assessment report dated Feb 1998

CYPRUS CANADA INC.
A Cyprus Amax Company

EMERALD LAKE PROJECT

YUKON TERRITORY - MAYO MINING DIV.
NTS SHEET: 105O/11

CLAIM MAPS
MY 1-52, 57-154

P930

NTS: 105o/11 NAD: 1927	Date: 26-Mar-98	Fig:
Projection: UTM Zone 9 metric	Checked by: KDJ	7
File: d:\...\yukon\105o-claim-assess	Drawn by: PW	

10.6 AU Claims
(AU 1 – 42, YB44069 – YB44110) NTS 105 – O – 11

Location and Claims

The AU claim block consists of 42 claims located about 12 kilometres northeast of Emerald Lake, in the Mayo Mining Division, Yukon Territory, near the eastern edge of NTS map sheet 105 - O - 11 (Figure 8 and Map 5). The centre of the claim block is at approximately 63°39' north latitude and 131°05' west longitude. About 90 percent of the claim area is above tree line in rugged, steep, mountain terrain. Two small ice fields (<0.5 km^2) exist near the east border of the claim block. Access is easiest by helicopter.

Geology

The AU claims were staked to cover a small Tombstone suite intrusion. The biotite bearing granodiorite plug is about 1.3 kilometres in diameter and is emplaced into Cambrian to Ordovician green argillite, sandstone and dark grey chert, Silurian dark green to buff argillite and Devonian black shales. The strong contact metamorphic aureole around the intrusion is marked by rusty weathering outcrops and talus.

Previous Work

Previous work included regional soil and stream sediment surveys conducted by Atlas Exploration and Agip Exploration between 1968 and 1982. Various base metal anomalies associated with the intrusive body were identified. Regional silt sampling by the government identified a gold anomaly coincident with a magnetic high feature located to the south of the intrusive. In 1995 and 1996, Alliance Pacific conducted surface rock sampling and geological mapping.

Cyprus Program

The 1997 work program on the AU claims consisted of a two day helicopter reconnaissance sampling program over the RGS gold anomaly. A total of 20 samples were collected (sample# 134746 to 134765) and all were analyzed for Au plus 35 element ICP. The results are shown in Appendix 1 and Map 5.

Although the sulphide content is generally high (~5%) in both the hornfelsed sediments and numerous quartz veinlets, no significant gold values were found. The magnetic high is probably caused by the pyrrhotite rich hornfels, and the RGS gold anomaly (20 ppb Au) could be explained by weathering from sulphide rich quartz veinlets, which assayed up to 32 ppb Au.

Recommendations

Due to limited time, only the southern portion of the AU claims was examined in 1997. Further sampling is recommended but on a low priority bases.

10.7 LM Claims
(LM 1 - 6, YB44111 – YB44116) NTS 105 – O – 11

Location and Claims

The LM claim block consists of 6 claims located about eight kilometres northeast of Emerald Lake and nine kilometres south of Arrowhead Lake, in the Mayo Mining Division, Yukon Territory (Figure 8 and Map 5). The centre of the claim block is at approximately 63°37.5' north latitude and 131°09' west longitude. About 95 percent of the claim area is above tree line in steep mountain terrain. One small ice field (<0.5 km^2) exists in the west portion of the claim block. Access is easiest by helicopter.

Geology

The LM claims were staked to cover a biotite-granodiorite plug of the Tombstone suite. This one kilometre by 800 metres intrusion was emplaced into Devonian argillite, siltstone, sandstone and dark grey chert, chert-argillite breccia. A large strong contact metamorphic aureole coincident with a magnetic high anomaly several kilometres wide surrounds the intrusion. Mineralization consists of sheeted quartz veins and quartz vein stockworks within the pluton.

Previous Work

Previous work included regional soil and stream sediment surveys conducted by Atlas Explorations and Agip Explorations between 1968 and 1982. Various base metal anomalies associated with the intrusive body were identified. Regional silt sampling done by the government identified a gold anomaly coincident with a magnetic high anomaly. In 1995 and 1996, Alliance Pacific conducted surface rock sampling, geological mapping and diamond drilling. A total of three holes were drilled in the northern portion of the intrusion with best result of 96 metres at 2.09 g/t Au including two 1.5 m intervals grading 26.67 g/t and 76.9 g/t Au at depth of 300 m. The vast majority of other assay intervals returned less than 50 ppb Au with a few spikes above 200 ppb.

Cyprus Program

During the 1997 field season, helicopter field checking was conducted on the LM claims with no samples taken.

Recommendations

The LM claims are only a couple of kilometres to the east of the SYB claims where significant mineralization was found within hornfels in the 1997 sampling. Further structural study is recommended to determine whether a locus for gold mineralization exists in the area.

399,000E
7,063,000N

Rogue River

AU-42 YB44110	AU-40 YB44108	AU-38 YB44106	AU-36 YB44104	AU-34 YB44102	AU-32 YB44100	AU-30 YB44098
AU-41 YB44109	AU-39 YB44107	AU-37 YB44105	AU-35 YB44103	AU-33 YB44101	AU-31 YB44099	AU-29 YB44097
AU-28 YB44096	AU-26 YB44094	AU-24 YB44092	AU-22 YB44090	AU-20 YB44088	AU-18 YB44086	AU-16 YB44084
AU-27 YB44095	AU-25 YB44093	AU-23 YB44091	AU-21 YB44089	AU-19 YB44087	AU-17 YB44085	AU-15 YB44083
AU-14 YB44082	AU-12 YB44080	AU-10 YB44078	AU-8 YB44076	AU-6 YB44074	AU-4 YB44072	AU-2 YB44070
AU-13 YB44081	AU-11 YB44079	AU-9 YB44077	AU-7 YB44075	AU-5 YB44073	AU-3 YB44071	AU-1 YB44069

AU

SYB

LM

LM-5 YB44115	LM-6 YB44116
LM-3 YB44113	LM-4 YB44114
LM-1 YB44111	LM-2 YB44112

389,000E
7,056,000N

0 1/2 mi

SCALE: 1/2 mile = 1 inch

CYPRUS\ALLIANCE PACIFIC CLAIM

CLAIM HELD BY OTHERS

Based on Nov 17, 1997 claim map
Figure to accompany assessment report dated Feb 1998

Cyprus Canada Inc.
A Cyprus Amax Company

EMERALD LAKE PROJECT
YUKON TERRITORY - MAYO MINING DIV.

093827
Pg 34

NTS SHEET: 105O/11

CLAIM MAP
AU 1-42, LM 1-6

NTS: 105o/11 NAD: 1927	Date: 26-Mar-98	Fig:
Projection: UTM Zone 9 metric	Checked by:XDJ	8
File: d:\...\yukon\105o-claim-assess	Drawn by: PW	

10.8 BEN Claims
(Ben 1 – 64, YB65613 – YB65676) NTS 105 – O – 11

Location and Claims

The Ben claim block consists of 64 claims located about 19 kilometres northwest of Emerald Lake, in the Mayo Mining Division, Yukon Territory, on NTS map sheet 105 - O - 11 (Figure 9 and Map 5). The center of the claim block is located at approximately 63°43' north latitude and 131°27' west longitude. About 80 percent of the claim area is above tree line in extremely rugged mountain terrain. Access is easiest by helicopter.

Geology

The Ben claims were staked by Alliance Pacific to cover a small Tombstone Suite intrusion. The biotite-bearing granodiorite-syenite pluton is about 2.5 kilometres in diameter underlies most of the claim block. It was emplaced into the lower Cambrian argillite, siltstone, quartzite, lapilli tuff and lithic tuffs. A strong contact metamorphic aureole was developed around the intrusion with a strong coincidental magnetic high anomaly. A large hornfels and skarn zone was found near the west contact. Two types of mineralization have been recognized; one comprises quartz or quartz-calcite veins generally found within the intrusion but with no significant width or strike length; the other is a skarn-style consisting of mainly pyrrhotite and magnetite with minor pyrite, chalcopyrite and smithsonite.

Previous Work

Previous work included stream sediment sampling conducted by Union Carbide Exploration Corp. in 1981. Anomalous gold values were detected from the vicinity of the granodiorite intrusion. Further follow-up work located a number of arsenopyrite veins with gold values up to 22.4 g/t. In 1995 and 1996, Alliance Pacific conducted surface mapping and sampling. The best gold value was 5.9 g/t.

Cyprus Program

The 1997 work program on the Ben claims consisted of two man-day helicopter reconnaissance sampling over the east and west contact zones and the surrounding hornfels. A total of 11 samples were collected (sample # 134147 to134152 and 135160 to 135164). All were analyzed for Au plus 35 element ICP. The results are shown in Appendix 1 and Map 5.

Of the 11 samples collected, two returned gold values of 5396 ppb Au and 4943 ppb Au. The first was taken from quartz vein float located on the ridge top and contained one to two percent disseminated galena. The second sample was collected from a 0.3 metre wide quartz-chalcedonic vein mineralized with a silvery sulphide (arsenopyrite?)

hosted in hornfelsed black chert horizon below an old trench. A zone of bleaching and clay alteration was noted. These two samples not only contain good gold values, but also assayed high in Cu, Pb, (Ag), Zn, As, (Hg), and Sb (Appendix 1).

Recommendations

The erratic gold values on the Ben claims do not encourage further work.

10.9 ET Claims
(ET 1 – 16, YB44189 – YB44204) NTS 105 – O - 11

Location and Claims

The ET claim block consists of 16 claims located about 13 kilometres northwest of Emerald Lake, in the Mayo Mining Division, Yukon Territory, on NTS map sheet 105 - O - 11 (Figure 9 and Map 5). The center of the claim block is at approximately 63°39' north latitude and 131°22' west longitude. About 70 percent of the claim area is above tree line in very steep mountain terrain. Access is by helicopter.

Geology

The ET claims were staked to cover a small Tombstone Suite granodiorite intrusion about 500 metres in diameter, which was emplaced into lower Cambrian argillite, siltstone, quartzite, lapilli tuff and lithic tuffs. A small contact metamorphic aureole was developed around the intrusion with a strong, coincident, magnetic high anomaly. Fine grained clastic sediments near the intrusive plug have been metamorphosed to a dark fine grained magnetite bearing hornfels. The eastern contact has been displaced by a younger north-south striking fault. Small quartz veinlets (mostly tension veins), generally less than a centimetre wide and locally mineralized with pyrite-pyrrhotite-molybdenite are scattered through the intrusive. Associated with these veins are thin envelopes of K-feldspar alteration.

Previous Work

Previous work included stream sediment sampling conducted by Union Carbide Exploration Corp. in 1981. Anomalous gold values were detected from the vicinity of the granodiorite intrusion. Regional RGS data was released by the GSC in 1990. In 1995 and 1996, Alliance Pacific conducted surface rock and soil sampling. The best assay of 6.7 g/t Au was from quartz vein float with trace arsenopyrite.

Cyprus Program

The 1997 work program on the ET claims consisted of two day helicopter reconnaissance sampling over the contact zones and hornfels aureole. A total of 17 samples were collected (sample # 131802 to 131818). All were analyzed for Au plus 35 element ICP. The results are shown in Appendix 1 and Map 5.

Of the 17 samples taken, the two best gold values were 557 ppb Au and 179 ppb Au. The first sample was collected from rusty fractured chert with no visible sulphide. The other sample was from a brecciated, gossanous, chert horizon which locally contains one to three percent fracture controlled crystalline galena. In addition to the gold values, these two samples also assayed high in Pb and Zn (see Appendix 1).

Recommendations

The gold values found on the ET claims are generally low and of limited extent. No further work is recommended.

OLD

NEW

CABIN

105O/12

105O/11

BEN-15 YB65627	BEN-16 YB65628	BEN-31 YB65643	BEN-32 YB65644	BEN-47 YB65659	BEN-48 YB65660	BEN-63 YB65675	BEN-64 YB65676
BEN-13 YB65625	BEN-14 YB65626	BEN-29 YB65641	BEN-30 YB65642	BEN-45 YB65657	BEN-46 YB65658	BEN-61 YB65673	BEN-62 YB65674
BEN-11 YB65623	BEN-12 YB65624	BEN-27 YB65639	BEN-28 YB65640	BEN-43 YB65655	BEN-44 YB65656	BEN-59 YB65671	BEN-60 YB65672
BEN-9 YB65621	BEN-10 YB65622	BEN-25 YB65637	BEN-26 YB65638	BEN-41 YB65653	BEN-42 YB65654	BEN-57 YB65669	BEN-58 YB65670
BEN-7 YB65619	BEN-8 YB65620	BEN-23 YB65635	BEN-24 YB65636	BEN-39 YB65651	BEN-40 YB65652	BEN-55 YB65667	BEN-56 YB65668
BEN-5 YB65617	BEN-6 YB65618	BEN-21 YB65633	BEN-22 YB65634	BEN-37 YB65649	BEN-38 YB65650	BEN-53 YB65665	BEN-54 YB65666
BEN-3 YB65615	BEN-4 YB65616	BEN-19 YB65631	BEN-20 YB65632	BEN-35 YB65647	BEN-36 YB65648	BEN-51 YB65663	BEN-52 YB65664
BEN-1 YB65613	BEN-2 YB65614	BEN-17 YB65629	BEN-18 YB65630	BEN-33 YB65645	BEN-34 YB65646	BEN-49 YB65661	BEN-50 YB65662

BEN

376,500E
7,062,000N

382,500E
7,062,000N

ET-1 YB44189	ET-3 YB44191	ET-5 YB44193	ET-7 YB44195
ET-2 YB44190	ET-4 YB44192	ET-6 YB44194	ET-8 YB44196
ET-9 YB44197	ET-11 YB44199	ET-13 YB44201	ET-15 YB44203
ET-10 YB44198	ET-12 YB44200	ET-14 YB44202	ET-16 YB44204

ET

Based on Nov 17, 1997 claim map
Figure to accompany assessment report dated Feb 1998

093887 Dwg 1B

0 1/2 mi

SCALE: 1/2 mile = 1 inch

CYPRUS\ALLIANCE PACIFIC CLAIM

CLAIM HELD BY OTHERS

Cyprus Canada Inc.
A Cyprus Amax Company

EMERALD LAKE PROJECT

YUKON TERRITORY - MAYO MINING DIV.

NTS SHEET: 105O/11, 12

Pg. 39

CLAIM MAPS
ET 1-16, BEN 1-64

NTS: 105o/11 NAD: 1927	Date: 26-Mar-98	Fig: 9
Projection: UTM Zone 9 metric	Checked by:XDJ	
File: d:\...\yukon\105o-claim-assess	Drawn by: PW	

10.10 FIDO Claims
(Fido 1 – 64, YB74109 – YB74172) NTS 105 – O – 12

Location and Claims

The Fido claim block consists of 64 claims located about six kilometres north of a past silver producer (Plata Mine), and approximately 13 kilometres west-southwest of the confluence of the Rogue River and Old Cabin Creek. The property is located in the Mayo Mining Division, Yukon Territory, on NTS map sheet 105 - O - 12 (Figure 10 and Map 6). The center of the claim block is located at approximately 63°39' north latitude and 131°56' west longitude. About 80 percent of the claim area is above tree line in extremely rugged mountain terrain. Access is by helicopter.

Geology

The Fido claims were staked to cover a small Tombstone suite, biotite-bearing granodiorite - granite pluton about two kilometres long by one kilometre wide. The intrusion was emplaced into the Cambrian to Ordovician maroon and green shales and Devonian chert pebble conglomerate and black shale. Strong contact metamorphic aureole was developed around the intrusion with a strong coincidental magnetic high anomaly. Locally hornfels and skarn zone were noted near the contact. Mineralization includes mainly quartz and quartz-calcite veins in the intrusion and quartz flooding in hornfelsed sediments. Sulphide content is generally low within the intrusion, but locally small pyrite – pyrrhotite veinlets do occur and carry significant amount of gold, up to 12 g/t Au in grab samples.

Previous Work

Previous work included regional geological mapping by the GSC (Open File 205, 1974) and stream sediment sampling (RGS) released by the GSC in 1990. Union Carbide Exploration Corp. staked 32 claims in 1981 after locating a number of quartz veins containing pyrite, galena, arsenopyrite and stibnite within the intrusion. Since 1995, Alliance Pacific conducted a systematic exploration program on the Fido claims including geological mapping, prospecting, soil and rock chip sampling and diamond drilling. Low grade (generally less than 500 ppb Au) gold mineralization was found within the intrusion.

Cyprus Program

The 1997 work by Cyprus on the Fido claims consisted of a seven man-day helicopter reconnaissance sampling program over the contact zones of the intrusion. A total of 36 samples were collected (sample # 134140 to 134141, 134301, 134451 to 134457, 134638 to 134658, 135151 to 135152 and 135156 to 135158) and were analyzed for Au plus 35 element ICP. The results are shown in Appendix 1 and Map 6.

Of the 36 grab samples collected, three returned gold values of 12.84 g/t, 2.25 g/t and 1.15 g/t Au. The first sample was taken from a four centimetres pyritic (30% py, 2% galena) quartz vein in the granodiorite near the contact zone with hornfelsed argillite. High Ag, Pb, Sb, As and Bi values were returned from this sample. The second and third samples were taken from granodiorite with 60 percent and 30 percent quartz veinlets respectively. These two samples were about 10 metres from the contact zone with argillite. Only trace amount of sulphides (mostly pyrrhotite) were found in the samples. The remaining samples were mostly taken from the sedimentary rocks surrounding the intrusion, and assayed generally in the low tens of ppbs Au.

Recommendations

Gold mineralization appears to be concentrated in rare, narrow, sulphide veins and restricted zones of quartz veining in the intrusion close to the hornfels contact. There is little evidence for the mineralization to be of sufficient grade or extent to produce a target of interest to Cyprus. No further work is recommended.

353,000E
7,065,000N

132°00' long

FIDO

fido-15 YB64123 | fido-16 | fido-31 YB64124 | fido-32 YB64139 | fido-47 YB64140 | fido-48 YB64155 | fido-63 YB64156 | fido-64 YB64171 YB64172
fido-13 YB64121 | fido-14 | fido-29 YB64122 | fido-30 YB64137 | fido-45 YB64138 | fido-46 YB64153 | fido-61 YB64154 | fido-62 YB64169 YB64170
fido-11 YB64119 | fido-12 | fido-27 YB64120 | fido-28 YB64135 | fido-43 YB64136 | fido-44 YB64151 | fido-59 YB64152 | fido-60 YB64167 YB64168
fido-9 YB64117 | fido-10 | fido-25 YB64118 | fido-26 YB64133 | fido-41 YB64134 | fido-42 YB64149 | fido-57 YB64150 | fido-58 YB64165 YB64166
fido-7 YB64115 | fido-8 | fido-23 YB64116 | fido-24 YB64131 | fido-39 YB64132 | fido-40 YB64147 | fido-55 YB64148 | fido-56 YB64163 YB64164
fido-5 YB64113 | fido-6 | fido-21 YB64114 | fido-22 YB64129 | fido-37 YB64130 | fido-38 YB64145 | fido-53 YB64146 | fido-54 YB64161 YB64162
fido-3 YB64111 | fido-4 | fido-19 YB64112 | fido-20 YB64127 | fido-35 YB64128 | fido-36 YB64143 | fido-51 YB64144 | fido-52 YB64159 YB64160
fido-1 YB64109 | fido-2 | fido-17 YB64110 | fido-18 YB64125 | fido-33 YB64126 | fido-34 YB64141 | fido-49 YB64142 | fido-50 YB64157 YB64158

353,000E
7,058,000N

P.S.W.

INCA

P.S.W.

KAT

0 1/2 mi

SCALE: 1/2 mile = 1 inch

CYPRUS\ALLIANCE PACIFIC CLAIM

CLAIM HELD BY OTHERS

Based on Nov 17, 1997 claim map
Figure to accompany assessment report dated Feb 1998

CYPRUS CANADA INC.
A Cyprus Amax Company

EMERALD LAKE PROJECT

YUKON TERRITORY – MAYO MINING DIV.

093827 NTS SHEET: 1050/12

P8,42

CLAIM MAPS
FIDO 1–64

NTS: 105o/12 NAD: 1927	Date: 26-Mar-98	Fig:
Projection: UTM Zone 9 metric	Checked by:XDJ	10
File: d:\...\yukon\105o-claim-assess	Drawn by: PW	

11. 1997 EXPENDITURES

1997 PROSPECTING PROGRAM, EMERALD LAKE PROJECT, YUKON

Statement of Expenditures

Salaries:	
Field:	
1 senior project geologist (M. Clarke), 3 days @ $650/day	$1,950
2 project geologist (D. Broughton and T. Morgan), 18.5 days @ $350/day	$6,475
2 contract geologists (XD Jiang and D. Cruji), 13.5 days @ $310/day	$4,185
2 field assistants, 13 days @ $260/day	$3,380
1 cook, 13 days @ $200/day	$2,600
Office:	
1 project geologist for report writing, 13 days @ $300/day	$3,900
1 drafting person, 19 days @ $250/day	$4,750
Fixed Wing Aircraft (Summit Air) ($6.50/mile)	$9,512
Helicopter (Northern Mountain) (28.6 hours @ $669/hr)	$19,133
Fuel	$4,448
Supplies	$1,089
Hauling Camp Gear ($4.00/mile) (and 920 Loader $80/hr)	$525
Camp Gear Rentals (Kluane Drilling Ltd.)	$766
Groceries	$2,506
Expediting ($145.16/day) (Kluane Drilling Ltd.)	$1,524
Satellite Phone and Radios (Glentel Inc.)	$1,663
Sample Shipping and Assay (212 samples @ $22/sample) (Bondar Clegg)	$4,664
Travel & Accommodations (Vancouver-Whitehorse) (for 5 geologists)	$3,557
Topo-Maps and Mag Data Processing (RGI Resource GIS and Imaging Ltd.)	$2,582
Total	**$79,208**

12. STATEMENT OF QUALIFICATIONS

I, Xiangdong Jiang of Cyprus Canada Inc. do hereby certify that:

1. I am a contract geologist with Cyprus Canada Inc. and reside at 5900 Granville Avenue, Richmond, B.C. V7C 1E9.

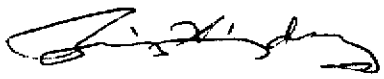
2. I have a BSc from the Changchun College of Geology, China in 1982.

3. I have more than ten years experience working as a geologist in China and Canada.

4. I have been employed as a contract geologist with Cyprus Canada Inc. since 1994.

5. I worked on the Emerald Lake Project in July, 1997.

Respectively,



Xiangdong Jiang
Cyprus Canada Inc.

March 5, 1998
Vancouver, B.C.

STATEMENT OF QUALIFICATIONS

I, David W. Broughton of Cyprus Canada Inc. do hereby certify that:

1. I am a Project Geologist with Cyprus Canada Inc., residing at 1134 50B St., Delta, B.C. V4M 2W1.

2. I am a Fellow of the Geological Association of Canada.

3. I hold a M.Sc and B.Sc in Earth Sciences from The University of Waterloo, Waterloo, Ontario.

4. I have more than ten years work experience in exploration and mining geology.

5. I am a Project Geologist for the Emerald Lake Project, and was on site in July, 1997.

Respectively,

David W. Broughton
Cyprus Canada Inc.

March 7, 1998
Vancouver, B.C.

PERSONNEL INVOLVED IN THE EMERALD LAKE PROJECT

Name	Address	Phone No.
Mike Clarke	1801 Broadway, Suite 1620 Denver, CO 80202 U.S.A.	(303) 296-3200
Dave Broughton	1134 - 50B Street Delta, BC V4M 2W1	943-9639
Tom Morgan	400 Burrard Street Suite 1950 Vancouver, BC V6C 3A6	681-2393
Doug Cruji	Box 8, 46 Trickle Ridge Place Kimberley, BC V1A 2H8	(250) 427-4167
XD Jiang	5900 Granville Avenue Richmond, BC V7C 1E9	277-9658
David Sufady	Box 369, Site 20 Whitehorse, Yukon Y1A 4Z6	(867) 667-7920
Dustin Staniforth	Box 369, Site 20 Whitehorse, Yukon Y1A 4Z6	(867) 667-7920
Elizabeth Martin	Box 5882 Whitehorse, Yukon Y1A 5L6	(867) 393-1382
Pat Whiting	5810 Mayview Circle Burnaby, BC V5E 4B8	521-7278

13. REFERENCES

Angeren, P.A., 1997: Summary report on the Plata-Inca Property. For Avanti Minerals Inc, 15 pp.

Lang et al, 1997: Intrusion-Related Au Mineralization Associated with Lithophile Elements: An Under-Recognized Metallogenic Association. *An electronic poster* prepared by Mineral Deposit Research Unit, Univ. of British Columbia.

Smit, H., 1984: Petrology, chemistry, age, and isotope study of the high potassium Emerald Lake Pluton, Eastern Yukon; Unpublished BSc Thesis, Univ. of British Columbia, 42p.

14. BIBLIOGRAPHY

Anderson, R. G., 1988, An overview of some Mesozoic and Tertiary plutonic suites and their associated mineralization in the northern Cordillera: in Recent Advances in the Geology of Granite-Related Mineral Deposits, Taylor, R.P., and Strong, D.F., eds., Can. Inst. Min. Metall., Spec. Vol. 39, p. 96-113.

Baker, E.M., and Andrew, A.S., 1991, Geologic, fluid inclusion, and stable isotope studies of the gold-bearing breccia pipe at Kidston, Queensland, Australia: Econ. Geol. V. 86, p. 810-830.

Bakke, A. A., 1995: The Fort Knox 'Porphyry' Gold Deposit – Structurally Controlled Stockwork and Shear Quartz Vein, Sulphide-poor Mineralization Hosted by a Late Cretaceous Pluton, East-Central Alaska. CIM special volume 46, Porphyry Deposits of the Northwestern Cordillera of North America

Champion, D.C., and Chappell, B., 1992, Petrogenesis of felsic I-type granites: an example from northern Queensland: Trans. Royal Soc. Edinburgh, Earth Sciences, v. 83, p. 115-126.

Gordey, S.P. and Anderson, R.G., 1993, Evolution of the northern Cordilleran miogeocline, Nahanni map area (105I), Yukon and Northwest Territories: Geol. Sur. Can. Mem 428, 214p.

Hitchins, A. C., 1995: The Eagle Zone Gold – Tungsten Sheeted Vein Porphyry Deposit and Related Mineralization, Dublin Gulch, Yukon Territory. CIM special volume 46, Porphyry Deposits of the Northwestern Cordillera of North America

Hutton, L.J., Hartley, J.S., and Rienks, I.P., 1993, Geology of the Charters Towers region: in Economic Geology of the Charters Towers Region, Henderson, R.A., ed., Geol. Soc. Aust. Field Conf. 1993, p. 1-12.

Irwin, J.J., et al, 1995 Geological and Geochemical Report for the Emerald Lake Property.

Lueck, B.A., et al, 1996 Geological Assessment Reports on a number of claim blocks in Emerald Lake area.

Lynch, J.V.G., 1989, Hydrothermal zoning in the Keno Hill Ag-Pb-Zn vein system: A study in structural geology, mineralogy, fluid inclusions, and stable isotope geochemistry: Unpubl. Ph.D dissertation, Univ. Of Alberta, Edmonton, 218p.

McCoy, D., Newberry, R.J., Layer, P., DeMarchi, J.J., Bakke, A., Masterman, J.S., and Minehane, D.L., 1997, Plutonic-related gold deposits of interior Alaska: Econ. Geol., v. 92, p. 191-241.

Morrison, G.W., 1993, Paleozoic gold deposits of northeast Queensland: in Economic Geology of the Charters Towers Region, Henderson, R.A., ed., Geol. Soc. Aust. Field Conf. 1993, p. 13-24.

Poulsen, K.H., Taylor, B.E., Robert, F., and Mortensen, J.K., 1996, Observations on gold deposits in North China Platform: in Current Research, Part A, Geol. Sur. Can., Paper 90-1A, p. 33-44.

Redwood, S., 1993, The geology and metallogeny of the Bolivian Andes: in Metallogeny of the Central Andes, Mineral Deposit Research Unit Shortcourse, v. 15, 59p.

Richards, J.P., and Kerrich, R., 1993, The Porgera gold mine, Papua New Guinea: Magmatic-hydrothermal to epithermal evolution of an alkalic-type precious metal deposit: Econ. Geol., v. 88, p. 1017-1052.

Sillitoe, R.H., 1993, Gold-rich porphyry copper deposits: geological model and exploration implications, in Mineral Deposit Modeling, Kirkham, R.V., Sinclair, W.D., Thorpe, R.I., and Duke, J.M. editors, Geological Association of Canada, Special Paper 40, pp 465-478

Trumbull, R.B., Morteani, G., Li, Z.L., and Gai, H.S., 1992, Gold metallogeny in the Sino-Korean platform: Springer-Verlag, 197p.

Woodsworth, G.J., Anderson, R.G., and Armstrong, R.L., 1991, Plutonic regimes, Chapter 15: in Geology of the Cordilleran Orogen in Canada, Gabrielse, H. and Yorath, C.J., eds., Geol. Soc. Amer, The Geology of North America, v. G-2, p. 493-531.

APPENDIX 1

SAMPLE DESCRIPTIONS
AND
ANALYTICAL RESULTS

Sample Description Sheet 1 of 8 - Emerald Lake Project

Smpl #	AREA/TARG	Au-plot (ppb)	DATE	NTS	Geol	Zone	UTM-E	UTM-N	TOPO, ENVIRONMENT, SLOPE	MEDIUM	TYPE	Rx type/Sed colour	Rx Alt'n/Sed texture	Mineralization
134746	AU Claims	-5	24-Jul-97	105O/11	XD	9	397685	7059041	steep mtn top, above tree line	rock	grab	argillite	rusty, pyritic, 3% qtz veinlets	5% dis vfg py
134747	AU Claims	-5	24-Jul-97	105O/11	XD	9	397725	7059041	steep mtn top, above tree line	rock	grab	cherty argillite	dk dull purple, orange wthr, rusty ffg py 5%, dis py 2%	7% py (ffg &dis)
134748	AU Claims	-5	24-Jul-97	105O/11	XD	9	397750	7059013	steep mtn top, above tree line	rock	grab	pyritic chert	well frc'd, very rusty, ffg py 5%, dis py 3%, near graphitic arg.	8% py
134749	AU Claims	-5	24-Jul-97	105O/11	XD	9	397770	7059013	steep mtn top, above tree line	rock	grab	blk argillite	very reddish wthr, next to graphitic argillite	15% dis py, po
134750	AU Claims	-5	26-Jul-97	105O/11	XD	9	397517	7059104	steep mtn top, above tree line	rock	grab	gy to blk argillite	fresh ffg py veinlets 15%	15% py
134751	AU Claims	32	26-Jul-97	105O/11	XD	9	397500	7059100	steep mtn slope, above tree line	rock	talus	qv	strongly wthrd, rusty limonitic, vugy,	10% py
134752	AU Claims	9	26-Jul-97	105O/11	XD	9	397500	7059105	steep mtn slope, above tree line	rock	grab	rusty siltstone/quartzite	calcarious, dis py 10%, tr aspy	10% py, tr aspy
134753	AU Claims	6	26-Jul-97	105O/11	XD	9	397504	7059105	steep mtn slope, above tree line	rock	grab	qv	rusty vuggy hosted in calc. siltstone, arg.	15% po, tr aspy & cpy
134754	AU Claims	-5	26-Jul-97	105O/11	XD	9	397380	7058905	steep mtn slope, above tree line	rock	grab	blk argillite	limonite, sheared fissile,	10% py vt'
134755	AU Claims	-5	26-Jul-97	105O/11	XD	9	397380	7058890	steep mtn slope, above tree line	rock	grab	blk tuff	pyritic rusty	5% dis vfg py
134756	AU Claims	7	26-Jul-97	105O/11	XD	9	397380	7058840	steep mtn slope, above tree line	rock	grab	cherty argillite	orange rusty frc', 7% py	7% py (ffg &dis)
134757	AU Claims	-5	26-Jul-97	105O/11	XD	9	397332	7058800	steep mtn slope, above tree line	rock	grab	gy cherty argillite	well frc'd, with ffg py and vfg dis py	7% py (ffg &dis)
134758	AU Claims	-5	26-Jul-97	105O/11	XD	9	397268	7058700	steep mtn slope, above tree line	rock	grab	qv	rusty, vuggy, pyritic, with 20% blk qtz	5% py
134759	AU Claims	7	26-Jul-97	105O/11	XD	9	397034	7058506	steep mtn slope, above tree line	rock	grab	blk tuff	dk reddish wthr, pyritic, m-fg dis py	15% py
134760	AU Claims	-5	26-Jul-97	105O/11	XD	9	397016	7058486	steep mtn slope, above tree line	rock	grab	qv	15 cm wide, in bndd blk-gy cherty argillte	3% py tr cpy mal
134761	AU Claims	-5	26-Jul-97	105O/11	XD	9	396926	7058485	steep mtn slope, above tree line	rock	grab	gy pyritic chert	red-orange wthr, pat' py and dis py	10% py
134762	AU Claims	10	26-Jul-97	105O/11	XD	9	397740	7057775	gentle slope, deep cut gully, dry	stream	sed	70% gy, 30% ylw-org	dry gully, may not have enough fines	
134763	AU Claims	-5	26-Jul-97	105O/11	XD	9	398281	7057700	gentle slope, creek edge	rock	grab	Fe-carb limestone?	strngly fe-carb altd, rusty orange, calcarious	
134764	AU Claims	26	26-Jul-97	105O/11	XD	9	398295	7057686	gentle slope, creek bed, little water	stream	sed	80% gy-blk, 20% lt ylw	may not have enough fines	
134765	AU Claims	-5	26-Jul-97	105O/11	XD	9	398302	7057686	gentle slope, creek edge	rock	grab	Fe-carb limestone?	strongly fe-carb altd, very calcarious, 1-2mm py vt' 5%	5% py
134147	Ben Claims	-5	16-Jul-97	105O/11	DB	9	380714	7064520	trench on ridge, prob. Caribou showing	rock	grab	str weathered, intr?	clay-alt, chalc qtz vnlts, limon + mangan ox,	oxid
134148	Ben Claims	4843	16-Jul-97	105O/11	DB	9	380714	7064530	on slope below trench	rock	grab	blch zn + chalc qtz vn	0.3m vn, 030/90, clay alt'n, within blk hornfelsed chert	silver sulphide
134149	Ben Claims	9	16-Jul-97	105O/11	DB	9	380986	7064666	on steep slope near peak	rock	grab	mottled pl gy-mauve skarn	pa gn chl	<1% po
134150	Ben Claims	8	16-Jul-97	105O/11	DB	9	381027	7064648	as above	rock	grab	mottled pl gy-mauve skarn	po in mm sized pods, in pl gn stringers	2-4% po
134151	Ben Claims	-5	16-Jul-97	105O/11	DB	9	383340	7066484	~50m east of #134152	rock	grab	wkly hornfels fg slst	siliceous/hornfels	5% po, min py
134152	Ben Claims	-5	16-Jul-97	105O/11	DB	9	383390	7066484	on peak	rock	grab	or-bn gossan,intr?	str clay altd, msv intx. Adj tocks are gy fg seds	oxid
135160	Ben Claims	-5	16-Jul-97	105O/11	DC	9	380500	7064390	From NW side of ridge, talus with o/c	rock	grab	Silic Rock- sed	V. hard, rusty weathered. Lt gy blch fresh. Common geny <1cm qtz grai'	3% vfg sulphides
135161	Ben Claims	5396	16-Jul-97	105O/11	DC	9	380315	7064200	Ridge top	rock	boulder	QV	Composite of small pieces of float	1-2% galena
135162	Ben Claims	22	16-Jul-97	105O/11	DC	9	383290	7066400		rock	grab	Hornfels	Very rusty. Lt gy with wt qtz grai'/phen'. Up to 3cm dk gy frag'	Minor to 1% py. Locy well mineralized with fg aspy needles
135163	Ben Claims	96	16-Jul-97	105O/11	DC	9	383290	7066400		rock	composite	Hornfels	Ada. Finer grained, not larger frag'	5% fg aspy needles surrounding qtz grai'/phen'. 1% fg py
135164	Ben Claims	-5	16-Jul-97	105O/11	DC	9	383390	7066470		rock	grab	Hornfels?	V rusty. Pal ol gn, serc? V silic. Wt-pa gn qtz grai'	Minor ffg sulphides (po)
134159	EM Claims	6	17-Jul-97	105O/06	DB	9	382497	7030890	on face of slope, north of bx o/c at lake	rock	grab	goss or-ochre hornfels slst	thin-med bedded, gy, str clay altd surface, vfg diss po	1-2% po, min py
134160	EM Claims	506	17-Jul-97	105O/06	DB	9	382487	7030801	bx o/c just above upper lake	rock	grab	blk chert/qtz bx	east part of o/c is min'd with diss sulph over 15m width	0.5-2% py
134161	EM Claims	163	18-Jul-97	105O/06	DB	9	382495	7031176	on ridge north of bx at lake	rock	grab	pl qtz-porp dyke	1.5m wide, 5% wlrk frags, str magc	1-7% diss po
134162	EM Claims	106	18-Jul-97	105O/06	DB	9	382495	7031176	as above	rock	grab	sheared, ser'd slst	1m sample of wlrk to dyke. Wkly hornfelsed,	tr-1% po
134163	EM Claims	222	18-Jul-97	105O/06	DB	9	382498	7031172	5m SE of 134161,62.	rock	grab	pl qtz-porp dyke	1.5m wide, non-magc, bleached.	tr-2% po
134164	EM Claims	20	18-Jul-97	105O/06	DB	9	382537	7031076	on SW slope below ridge, above lake	rock	s/c grab	s/c qtz-feld porp	clay-ser alt'd,	tr py
134165	EM Claims	20	18-Jul-97	105O/06	DB	9	382515	7031023	on ridge betw 2 lakes	rock	grab	buff/goss gy fg slst/sdst	<1% diss vfg po	
134166	EM Claims	599	18-Jul-97	105O/06	DB	9	382583	7031096	on SW slope below ridge, above lake	rock	grab	qtz-feld porp dyke	west 2.5m of 5m wide dyke, 10-20% qtz vng	2-8% po, min py
134167	EM Claims	1834	18-Jul-97	105O/06	DB	9	382583	7031096	as above	rock	grab	qtz-feld porp dyke	east 2.5 m.	2-8% po, min py
134168	EM Claims	14	18-Jul-97	105O/06	DB	9	382424	7030497	on ridge south of lake bx showing	rock	grab	dk gy hornfels fg sed	8m sample, above (west) of bx zone	2-3% diss vfg py/po
134169	EM Claims	10	18-Jul-97	105O/06	DB	9	382410	7030497	on ridge south of lake bx showing	rock	grab	banded blk chert, qtz vns	15m sample, west side of zn, qtz vns to 40cm, 210/65	tr py
134170	EM Claims	60	18-Jul-97	105O/06	DB	9	382400	7030497	on ridge south of lake bx showing	rock	grab	qtz bx zn, loc blk cht, bx	12 m sample, east side of zone	tr-2% py
134171	EM Claims	219	18-Jul-97	105O/06	DB	9	382475	7030369	below saddle in ridge south of lake bx showing	rock	grab	blk cht, 10-30% qtz bx vn	width of zone ~25m	tr-1% py
134172	EM Claims	428	18-Jul-97	105O/06	DB	9	382475	7030369	at southwest contact of bx on ridge saddle	rock	grab	qtz bx vn	2m wide min'd margin of bx zn.	1% py, tr po
134173	EM Claims	14	19-Jul-97	105O/06	DB	9	382400	7029910	along ridge south from icefield.	rock	grab	dk gn chl fg sed	spotted to pervasively chloritized sed	none
134174	EM Claims	679	19-Jul-97	105O/06	DB	9	382442	7029949	along ridge south from icefield.	rock	grab	blk cht qtz bx	N half of 30m bx zone. No sheeted vns	tr-loc 1% py
134175	EM Claims	253	19-Jul-97	105O/06	DB	9	382442	7029949	along ridge south from icefield.	rock	grab	blk cht qtz bx	S half of 30m bx zone. No sheeted vns	tr-loc 1% py
134176	EM Claims	13	19-Jul-97	105O/06	DB	9	382489	7029817	east side of south trending ridge	rock	s/c, float	goss ylw-wh dyke	qtz-feld porp, subcrop	1% diss po
134177	EM Claims	-5	19-Jul-97	105O/06	DB	9	382431	7029686	entire ridge of this.	rock	grab	mottled gy-rd-bf fg hornfels	finely lamin'd, magc	diss po along lam's
134178	EM Claims	19	19-Jul-97	105O/06	DB	9	381724	7029906	on ridge ~100m down from intr cnt.	rock	grab	wh/ylw-bn qtz porp dyke	qtz vns	tr po
134179	EM Claims	-5	19-Jul-97	105O/06	DB	9	381724	7029906	down ridge from dyke	rock	grab	fg hornfels		tr-2% po
134180	EM Claims	67	19-Jul-97	105O/06	DB	9	382095	7029492	near waterfall in creek	rock	grab	qtz porp dyke, vuggy qv	0.4m qtz vn cuts dyke perpend, dyke at 350/90.	1-2% diss py

Smpl #	AREA/TARG	Au-plot ppb	Au30 ppb	Au Rew1	Au Grav	Ag ppm	Cu ppm	CuOL pct	Pb ppm	Zn ppm	Mo ppm	Ni ppm	Co ppm	Cd ppm	Bi ppm	As ppm	Sb ppm	Hg ppm	Fe pct	Mn ppm	Te ppm	Ba ppm	Cr ppm	V ppm	Sn ppm	W ppm	La ppm	Al pct	Mg pct	Ca pct	Na pct	K pct	Sr ppm	Y ppm	Ga ppm	Li ppm	Nb ppm	Sc ppm	Ta ppm	Ti pct	Zr ppm	Report # V97-
134746	AU Claims	-5	-5			-0.2	40		6	36	-1	13	6	-0.2	-5	-5	-5	-0.01	2.64	184	-10	274	80	28	-20	-20	16	1.5	0.86	0.02	0.02	0.84	8	3	-2	14	-1	-5	-10	0.1	11	2012.0
134747	AU Claims	-5	-5			-0.2	32		6	40	2	18	7	-0.2	-5	-5	-5	-0.01	1.79	456	-10	227	131	24	-20	-20	12	1.21	0.75	0.04	0.03	0.71	11	2	-2	14	-1	-5	-10	0.08	6	2012.0
134748	AU Claims	-5	-5			-0.2	63		11	30	2	41	7	-0.2	-5	10	-5	0.015	2.03	228	-10	104	171	16	-20	-20	8	0.56	0.37	0.01	0.02	0.27	11	1	-2	8	-1	-5	-10	0.01	3	2012.0
134749	AU Claims	-5	-5			0.7	55		6	37	2	27	4	-0.2	-5	8	-5	0.03	1.72	130	-10	104	236	24	-20	-20	5	0.26	0.16	-0.01	0.01	0.1	4	1	-2	5	-1	-5	-10	-0.01	3	2012.0
134750	AU Claims	-5	-5			-0.2	136		25	42	25	70	22	0.3	-5	-5	-5	-0.01	3.91	1462	-10	39	104	174	-20	-20	14	2.27	1.22	0.44	0.05	0.73	57	9	5	35	-1	-5	-10	0.04	12	2012.0
134751	AU Claims	32	32			-0.2	14		5	5	2	5	-1	-0.2	-5	30	-5	-0.01	1.77	186	-10	96	188	22	-20	-20	3	0.3	0.23	0.02	-0.01	0.06	4	2	-2	3	-1	-5	-10	-0.01	3	2012.0
134752	AU Claims	9	9			0.2	43		8	31	2	19	5	-0.2	-5	30	-5	-0.01	2.56	677	-10	152	186	49	-20	-20	3	0.73	0.72	0.23	0.03	0.1	20	6	-2	10	-1	-5	-10	0.02	8	2012.0
134753	AU Claims	6	6			-0.2	48		11	23	1	26	5	-0.2	-5	59	-5	-0.01	2.33	643	-10	97	167	68	-20	-20	4	1.01	1.03	0.17	0.02	0.22	36	4	2	17	-1	-5	-10	0.02	8	2012.0
134754	AU Claims	-5	-5			-0.2	46		13	60	5	30	11	0.5	-5	7	-5	-0.01	4.14	305	-10	103	169	106	-20	-20	56	1.92	1.43	0.57	0.09	0.97	95	13	4	23	-1	7	-10	0.1	6	2012.0
134755	AU Claims	-5	-5			-0.2	36		12	108	-1	30	20	-0.2	-5	16	-5	-0.01	9.16	121	-10	47	210	265	-20	-20	38	5.09	3.54	0.75	0.05	2.68	115	7	7	68	2	17	-10	0.26	-1	2012.0
134756	AU Claims	7	7			-0.2	23		8	21	-1	6	3	-0.2	-5	-5	-5	-0.01	2.4	139	-10	274	59	25	-20	-20	17	1.35	0.74	-0.01	0.02	0.7	8	3	-2	10	-1	-5	-10	0.06	10	2012.0
134757	AU Claims	-5	-5			-0.2	25		7	42	-1	16	5	-0.2	-5	-5	-5	-0.01	2.13	159	-10	325	52	24	-20	-20	17	1.51	0.84	-0.01	0.02	0.77	10	3	-2	12	-1	-5	-10	0.07	9	2012.0
134758	AU Claims	-5	-5			-0.2	21		26	37	4	38	3	-0.2	-5	59	-5	-0.01	0.85	859	-10	89	217	6	-20	-20	2	0.48	0.1	0.03	0.01	0.05	17	2	-2	8	-1	-5	-10	-0.01	3	2012.0
134759	AU Claims	7	7			-0.2	17		17	44	3	14	4	-0.2	-5	36	-5	0.011	3.43	326	-10	39	130	44	-20	-20	21	0.96	0.84	0.37	0.04	0.21	25	6	7	22	-1	-5	-10	0.01	11	2012.0
134760	AU Claims	-5	-5			1.3	112		77	137	4	24	1	1.3	-5	26	-5	-0.01	0.6	1450	-10	81	263	4	-20	-20	-1	0.17	0.04	0.08	-0.01	0.02	9	1	-2	-1	-1	-5	-10	-0.01	2	2012.0
134761	AU Claims	-5	-5			-0.2	76		7	29	2	51	6	-0.2	-5	-5	-5	0.056	1.57	222	-10	116	196	14	-20	-20	6	0.46	0.28	-0.01	-0.01	0.15	6	1	-2	6	-1	-5	-10	-0.01	2	2012.0
134762	AU Claims	10	10			1	101		21	323	7	74	22	3.2	-5	39	-5	0.063	5.6	1359	-10	385	48	122	-20	-20	45	2.08	0.91	0.4	0.05	0.41	107	18	7	24	2	-5	-10	0.05	8	2013.0
134763	AU Claims	-5	-5			-0.2	20		9	185	-1	13	35	-0.2	-5	-5	-5	0.075	10	2619	-10	48	11	195	-20	-20	56	2.31	0.22	3.77	-0.01	-0.01	135	31	10	11	2	13	-10	-0.01	-1	2012.0
134764	AU Claims	26	26			0.9	86		15	265	7	52	13	2.4	-5	34	-5	0.046	4.83	765	-10	319	43	108	-20	-20	37	1.72	0.73	0.24	0.04	0.37	88	14	6	16	2	-5	-10	0.04	8	2013.0
134765	AU Claims	-5	-5			-0.2	6		7	134	-1	11	28	0.7	-5	-5	-5	-0.01	10	2390	-10	107	9	112	-20	-20	41	1.61	0.77	6.4	-0.01	0.14	213	24	9	13	3	9	-10	-0.01	3	2014.0
134147	Ben Claims	-5	-5			-0.2	193		-2	211	-1	180	96	1.9	-5	26	13	0.234	10	1311	-10	981	192	141	-20	-20	14	1.26	-0.01	0.01	-0.01	0.04	313	14	13	7	5	41	21	0.01	9	1822.0
134148	Ben Claims	4943	4943			5.6	1704		4517	101	-1	9	3	40.6	-5	10000	588	0.248	5.22	46	-10	68	151	12	-20	-20	9	0.27	-0.01	0.01	-0.01	0.03	68	3	4	-1	-1	15	-10	-0.01	3	1822.0
134149	Ben Claims	9	9			-0.2	256		12	63	-1	66	33	-0.2	-5	58	-5	0.019	4.79	173	-10	155	173	151	-20	-20	36	5.52	0.88	5.36	0.18	0.91	413	16	20	24	11	9	-10	0.32	3	1822.0
134150	Ben Claims	8	8			-0.2	81		15	90	1	29	37	-0.2	-5	58	-5	0.027	6.74	414	-10	172	36	227	-20	-20	43	4.86	1.4	4.45	0.41	0.92	485	13	18	27	14	12	-10	0.46	5	1822.0
134151	Ben Claims	-5	-5			-0.2	36		-2	72	-1	74	50	-0.2	-5	62	-5	0.012	10	443	-10	44	34	294	-20	-20	11	2.1	0.96	3.28	0.05	0.21	127	7	20	43	16	5	20	0.29	7	1822.0
134152	Ben Claims	-5	-5			-0.2	53		-2	62	-1	98	29	-0.2	-5	41	6	0.108	7.44	1649	-10	20	333	172	-20	-20	7	0.47	4.14	10	-0.01	0.02	105	16	3	2	8	21	-10	-0.01	3	1822.0
135160	Ben Claims	-5	-5			-0.2	15		3	202	2	75	14	-0.2	-5	33	-5	0.072	10	1668	-10	136	54	152	-20	-20	117	2.42	0.9	3.06	0.02	0.15	235	27	2	18	-1	10	-10	0.01	3	1822.0
135161	Ben Claims	5396	5396			94.7	612		10000	2536	4	11	1	138	-5	10000	281	7.951	10	371	-10	51	72	31	-20	-20	3	0.62	-0.01	-0.01	-0.01	0.07	50	4	-2	4	-1	19	-10	-0.01	-1	1822.0
135162	Ben Claims	22	22			0.6	33		31	84	2	14	20	3	-5	2080	17	0.055	8.44	1821	-10	194	11	111	-20	-20	23	0.91	3.44	10	0.01	0.25	301	19	-2	5	4	17	-10	-0.01	2	1822.0
135163	Ben Claims	96	96			1	21		20	59	2	8	14	13.1	-5	9625	50	0.049	8.52	2019	-10	143	11	61	-20	-20	13	0.7	3.92	10	0.01	0.27	384	20	-2	6	4	13	-10	-0.01	-1	1822.0
135164	Ben Claims	-5	-5			0.7	167		10	67	2	306	67	-0.2	-5	83	-5	0.029	10	2063	-10	43	479	214	-20	-20	19	0.8	4.09	10	-0.01	0.01	99	17	-2	6	3	28	-10	-0.01	-1	1822.0
134159	EM Claims	6	6			0.6	25		26	276	3	75	19	-0.2	-5	24	-5	0.025	3.56	582	-10	96	65	34	-20	-20	21	2.81	0.98	0.17	0.03	0.43	10	8	8	63	4	6	-10	-0.01	4	1822.0
134160	EM Claims	506	506			1.7	13		6	9	1	9	1	0.5	-5	783	43	0.029	1.08	23	-10	75	168	6	-20	-20	3	0.22	0.01	-0.01	-0.01	0.08	2	-1	-2	-1	-1	-5	-10	-0.01	2	1822.0
134161	EM Claims	163	163			32.8	62		164	125	-1	12	3	3.3	65	2149	185	0.023	1.55	17	-10	111	96	-1	-20	-20	2	0.51	-0.01	-0.01	0.02	0.21	2	-1	3	7	-1	-5	-10	-0.01	7	1822.0
134162	EM Claims	106	106			3.7	134		24	114	-1	41	11	1	-5	565	24	0.023	2.12	52	-10	116	62	17	-20	-20	20	1.32	0.48	-0.01	0.02	0.39	4	3	4	26	2	-5	-10	-0.01	5	1822.0
134163	EM Claims	222	222			31.7	75		121	13	1	14	8	3	68	1504	129	0.018	0.81	12	-10	230	90	-1	-20	-20	3	0.61	0.02	-0.01	0.03	0.22	3	-1	2	5	-1	-5	-10	-0.01	8	1822.0
134164	EM Claims	20	20			1.4	3		111	6	-1	2	-1	0.6	-5	946	7	0.029	0.46	11	-10	327	97	-1	-20	-20	16	0.66	0.02	-0.01	-0.01	0.21	3	2	-2	4	-1	-5	-10	-0.01	7	1822.0
134165	EM Claims	20	20			0.2	63		12	87	-1	28	7	0.4	-5	18	15	0.059	3.27	128	-10	1570	102	61	-20	-20	29	2.42	0.79	-0.01	0.05	0.36	14	5	7	52	5	-5	-10	-0.01	4	1822.0
134166	EM Claims	599	599			11.4	39		58	208	1	6	1	4.5	11	3304	15	0.265	1.02	29	-10	209	73	-1	-20	-20	4	0.79	0.02	-0.01	0.02	0.22	3	-1	2	6	-1	-5	-10	-0.01	9	1822.0
134167	EM Claims	1834	1834			34.5	29		62	171	-1	2	-1	9.8	46	10000	43	0.427	1.54	11	-10	200	61	-1	-20	-20	3	0.49	0.01	-0.01	-0.01	0.27	2	-1	2	3	-1	-5	-10	-0.01	10	1822.0
134168	EM Claims	14	14			0.6	129		12	128	-1	55	12	0.5	-5	36	7	0.028	2.71	52	-10	51	56	22	-20	-20	20	1.4	0.51	0.01	0.06	0.25	16	4	4	26	2	-5	-10	-0.01	2	1822.0
134169	EM Claims	10	10			0.5	34		9	19	-1	23	10	0.5	-5	36	9	0.03	0.86	74	-10	303	112	11	-20	-20	6	0.39	0.07	-0.01	-0.01	0.08	4	3	-2	4	1	-5	-10	-0.01	2	1822.0
134170	EM Claims	60	60			0.7	-1		7	-1	-1	3	-1	-0.2	-5	113	7	0.028	0.37	12	-10	208	130	5	-20	-20	4	0.13	-0.01	-0.01	-0.01	0.05	2	-1	-2	-1	-1	-5	-10	-0.01	-1	1822.0
134171	EM Claims	219	219			3	2		14	11	3	10	3	-0.2	-5	190	34	0.039	0.81	46	-10	98	125	16	-20	-20	13	0.59	0.11	-0.01	-0.01	0.14	2	3	2	5	1	-5	-10	-0.01	3	1822.0
134172	EM Claims	428	428			2.7	35		4	6	-1	4	-1	1.5	-5	2331	52	0.017	0.63	13	-10	115	127	3	-20	-20	2	0.21	-0.01	-0.01	-0.01	0.05	1	-1	-2	-1	-1	-5	-10	-0.01	-1	1822.0
134173	EM Claims	14	14			-0.2	79		13	54	-1	28	4	0.2	-5	37	19	0.05	3.07	58	-10	614	129	73	-20	-20	42	3.03	0.59	-0.01	0.02	0.36	8	4	7	70	7	-5	-10	0.05	10	1822.0
134174	EM Claims	679	679			5.5	8		8	4	-1	4	1	0.3	-5	477	69	0.197	0.84	12	-10	480	113	11	-20	-20	13	0.48	0.02	-0.01	0.01	0.12	4	1	3	1	1	-5	-10	-0.01	4	1822.0
134175	EM Claims	253	253			3.2	7		6	8	2	4	1	0.5	-5	626	47	0.128	0.8	11	-10	230	108	6	-20	-20	9	0.31	-0.01	-0.01	-0.01	0.08	2	1	-2	-1	-1	-5	-10	-0.01	5	1822.0
134176	EM Claims	13	13			-0.2	3		40	79	-1	3	-1	0.7	-5	73	6	0.033	0.64	200	-10	119	65	-1	-20	-20	7	0.44	-0.01	0.66	0.06	0.23	30	6	-2	2	2	-5	-10	-0.01	9	1822.0
134177	EM Claims	-5	-5			-0.2	36		8	110	5	59	17	-0.2	-5	21	-5	0.014	4.04	295	-10	55	55	22	-20	-20	15	3.25	1.1	0.37	0.11	0.45	29	6	3	53	3	-5	-10	0.03	9	1822.0
134178	EM Claims	19	19			0.6	8		13	8	-1	4	-1	-0.2	-5	60	-5	0.017	0.4	36	-10	29	99	-1	-20	-20	4	0.55	0.03	0.22	0.07	0.15	11	2	-2	7	2	-5	-10	-0.01	6	1822.0
134179	EM Claims	-5	-5			-0.2	30		11	73	3	32	8	0.2	-5	22	-5	0.021	3.38	268	-10	96	94	25	-20	-20	17	2.29	0.99	0.28	0.05	0.44	25	5	3	46	3	-5	-10	0.01	-1	1822.0
134180	EM Claims	67	67			0.7	10		48	73	-1	4	-1	1.4	-5	559	15	0.028	0.68	48	-10	122	80	-1	-20	-20	6	0.45	0.02	0.46	0.02	0.23	24	2	-2	1	2	-5	-10	-0.01	3	1822.0

Smpl #	AREA/TARG	Au-plot (ppb)	DATE	NTS	Geol	Zone	UTM-E	UTM-N	TOPO, ENVIRONMENT, SLOPE	MEDIUM	TYPE	Rx type/Sed colour	Rx Alt'n/Sed texture	Mineralization
134309	EM Claims	1358	16-Jul-97	105O/06	TM	9	382300	7031240		soil		Oxidized gouge zone at 5 m intervals going		
134310	EM Claims	629	16-Jul-97	105O/06	TM	9	382300	7031235		soil		south from brecciated face of bedd		
134311	EM Claims	639	16-Jul-97	105O/06	TM	9	382300	7031230		soil		carbonaceous shale, w/ Twin Batholith		
134312	EM Claims	957	16-Jul-97	105O/06	TM	9	382300	7031225		soil		intrusion at SE corner, north of AGIP's		
134313	EM Claims	839	16-Jul-97	105O/06	TM	9	382300	7031220		soil		breccia zone by the lake.		
134314	EM Claims	11	16-Jul-97	105O/06	TM	9	382280	7031280	north of lake	rock	grab	shale breccia	silicified and carbonaceous	
134315	EM Claims	79	16-Jul-97	105O/06	TM	9	382300	7030540	south of lake	rock	grab	breccia	50 m wide zone of breccia	aspy, tetr, cpy, py
134316	EM Claims	5	16-Jul-97	105O/06	TM	9	382350	7030540		rock	grab	breccia	10 m to the east into breccia body	aspy, py
134317	EM Claims	16	16-Jul-97	105O/06	TM	9	382280	7030750	near ridge top	rock	Chip	shale	near cnt w/ twin bathlth, graphc/carbs, bxd	py, hem, po
134318	EM Claims	11	16-Jul-97	105O/06	TM	9	382140	7030800		rock	grab	qv	vugy, w/ org oxidzd gouge in vugs, 150 m frm intrusv	tr py, limonite
134319	EM Claims	15	16-Jul-97	105O/06	TM	9	382170	7030850		rock	grab	qv	vugy, w/ org oxidzd gouge in vugs, 25 m east 134318	
134320	EM Claims	13	16-Jul-97	105O/06	TM	9	382205	7030890		rock	grab	qtz-py vein	diss to massive py in qv boundd by bx, 15 m frm 4319	py
134321	EM Claims	20	16-Jul-97	105O/06	TM	9	377700	7030300	no record					
134322	EM Claims	8	16-Jul-97	105O/06	TM	9	377700	7030300	no record					
134323	EM Claims	12	16-Jul-97	105O/06	TM	9	377700	7030300	no record					
134481	EM Claims	8	17-Jul-97	105O/06	MC	9	380655	7034355	Talus	Rock	Float	Carb blk shale		2-3% py diss
134483	EM Claims	15	17-Jul-97	105O/06	MC	9	380760	7033960	Outcrop	Rock	Chip	Siltstone-shale	Hornfels to baked	1-3% py
134485	EM Claims	9	17-Jul-97	105O/06	MC	9	379707	7031750	Outcrop	Rock	Chip	Siltstone-shale	Silicated to fg dk grn mineral	6% diss py
134486	EM Claims	7	17-Jul-97	105O/06	MC	9	379704	7031750	Outcrop	Rock	Chip	Siltstone-shale	Silicated to fg dk grn mineral	5-10% diss py
134487	EM Claims	5	17-Jul-97	105O/06	MC	9	379694	7031750	Outcrop	Rock	Chip	Cg wht qz vn 10 cm, 0/40	Silicated to fg dk grn mineral	1% py
134488	EM Claims	20	17-Jul-97	105O/06	MC	9	379700	7031750	Outcrop	Rock	Chip	Siltstone-shale	Silicated to fg dk grn mineral	5-10% diss py
134489	EM Claims	11	17-Jul-97	105O/06	MC	9	379690	7031750	Outcrop	Rock	Chip	Siltstone-shale	Silicated to fg dk grn mineral	5-10% diss py
134490	EM Claims	12	18-Jul-97	105O/06	MC	9	381150	7032590	Outcrop	Rock	Chip	Siltstone-shale	Baked to hornfels	0.5-1% diss py
134491	EM Claims	10	18-Jul-97	105O/06	MC	9	381190	7032515	Outcrop	Rock	Chip	Siltstone-shale	Baked to hornfels	3-5% diss py
134492	EM Claims	7	18-Jul-97	105O/06	MC	9	381350	7032455	Outcrop	Rock	Chip	qp dike 3-4 m width	Arg - ser(?), no surviving bt	5% diss vnlt py
134493	EM Claims	696	18-Jul-97	105O/06	MC	9	381350	7032455	Outcrop	Rock	Chip	Blk carb shale	Baked	Tr diss py
134494	EM Claims	6	18-Jul-97	105O/06	MC	9	381350	7032455	Outcrop	Rock	Chip	Kgr intrusion	Fresh, bt survives	3-5% diss vnlt py
134495	EM Claims	5	18-Jul-97	105O/06	MC	9	380895	7032945	Outcrop	Rock	Chip	Kgr intrusion	Fresh, bt survives	Tr diss py
134496	EM Claims	19	18-Jul-97	105O/06	MC	9	380895	7032945	Outcrop	Rock	Chip	Siltstone-shale	baked	3-4% py (lim)
134497	EM Claims	8	18-Jul-97	105O/06	MC	9	380895	7032945	Outcrop	Rock	Chip	Siltstone-shale	baked	3-4% py (lim)
131802	ET Claims	557	30-Jul-97	105O/11	DC	9	383740	7060980		rock	grab	Chert	Rusty frcg. Gy fresh, fg aphanitic. Rare qtz vts.	Nil
131803	ET Claims	48	30-Jul-97	105O/11	DC	9	383690	7060930	In saddle at ridge top.	rock	grab	Chert Cong/Bx	Ang-subang frag'/clasts. Fg aphan cherty matrix.	Minor frc controlled gy metallic + py.
131804	ET Claims	10	30-Jul-97	105O/11	DC	9	383700	7060980	Ridge top	rock	grab	Chert/skarned	Chert matrix with mg red garnet & pk phlogopite porphyroblasts.	Minor-1% vvfg. Gy metallic posy as? + py
131805	ET Claims	10	30-Jul-97	105O/11	DC	9	383705	7060980	Ridge top	rock	grab	Chert/skarned	Ada but with bl biotite. Preferred orie to bio flakes.	Minor vvfg diss sulphide.
131806	ET Claims	179	30-Jul-97	105O/11	DC	9	383715	7060980	Subcrop/frost heave at ridge top	rock	grab	Rusty Chert	Gossanous, heavily frcd to insitu bxd. Deeply weathered rusty.	1-3% frc controlled mg xtline galena.
131807	ET Claims	12	30-Jul-97	105O/11	DC	9	383710	7060960	Subcrop/frost heave at ridge top	rock	grab	Chert/skarned	ada 131805	Minor vvfg diss sulphide.
131808	ET Claims	8	30-Jul-97	105O/11	DC	9	383710	7060960	Peak	rock	grab	QV	Composite of qtz vts (+/-2mm) in chert skarn ada	Minor vvfg diss sulphide within and adj to vns.
131809	ET Claims	10	30-Jul-97	105O/11	DC	9	383750	7060980	Blocky broken o/c just east of peak on ridge.	rock	grab	Carbonaceous Siltstone/Argillite	Rusty weathered. Fg bl with some mm-size cherty nodules.	2-3% fg diss & colliform py
131810	ET Claims	8	30-Jul-97	105O/11	DC	9	383840	7061050	Ridge top	rock	grab	Limestone	Irreg dk gy ropey/knobby weathered. Mottled lt gy & bl fresh. Mg or bxd aprc (slst/argill frag')	1-3%, locy 5%, fg-mg diss py
131811	ET Claims	8	30-Jul-97	105O/11	DC	9	383890	7061030	Ridge top	rock	grab	Limestone	ada, 13110	Minor to locy 1% sulphides.
131812	ET Claims	8	30-Jul-97	105O/11	DC	9	383830	7061110	Ridge top	rock	grab	Calcite vnd siltstone	Rusty weathered, spotted with weathered out calcite. 1-2mm wt calcite rhombs in dk gy fg slst	locy 1% diss sulphide
131813	ET Claims	9	30-Jul-97	105O/11	DC	9	383920	7061090	Ridge top	rock	grab	Calcareous sandstone	Gy weathered, dk gy to bl fresh. Closely packed ang grai', immature sandstone/tuff. Dolomitic	1-2% fg diss sulphide, py/po
131814	ET Claims	9	30-Jul-97	105O/11	DC	9	383920	7061080	Ridge top	rock	grab	Siltstone	Lt rusty weathered, lt gy fg siliceouswith minor bl argillaceous grains. Finely lamd.	1-3% fg-mg euh py concd along lamns
131815	ET Claims	7	30-Jul-97	105O/11	DC	9	384020	7061100	Ridge top	rock	grab	Calcareous sandstone	Rusty weathered, v rough gritty mdd surface. Poorly sorted grains, calcitic cement. Locy paty limey gn, carb/oxide staining	Nil
131816	ET Claims	8	30-Jul-97	105O/11	DC	9	383410	7061030	Peak	rock	grab	Felsic Intrusive	Gy, locy rusty weathered. Mass mg qtz-biotite	Minor diss mg anh po blebs
131817	ET Claims	7	30-Jul-97	105O/11	DC	9	383330	7061060	Peak	rock	grab	Felsic Intrusive	Ada 131816	0.5-1% diss po blebs
131818	ET Claims	11	30-Jul-97	105O/11	DC	9	383250	7060950	Ridge top	rock	grab	Siltstone	Rusty weathered, composed of fg glassy lt gy qtz.	None visible. rusty weathered.
134140	Fido Claims	9	15-Jul-97	105O/12	DB	9	351663	7062687	SW slope,	rock	grab	gossanous slst	mottled buff/maroon weathering gy-gn slst	masses of cubic py
134141	Fido Claims	10	15-Jul-97	105O/12	DB	9	351639	7062851	N end of small peak, just above saddle	rock	grab	or-bn wthr slst, carb arg	2m thick bed, rusty, 5m strike.	tr-1% cubic py
134301	Fido Claims	9	15-Jul-97	105O/12	MC	9	354600	7062110	Local chip	Rock	Chip	Orange-weathering ls	Limonite after several percent py	Limonitic

Smpl #	AREA/TARG	Au-plot ppb	Au30 ppb	Au Rew1	Au Grav	Ag ppm	Cu ppm	CuOL pct	Pb ppm	Zn ppm	Mo ppm	Ni ppm	Co ppm	Cd ppm	Bi ppm	As ppm	Sb ppm	Hg ppm	Fe pct	Mn ppm	Te ppm	Ba ppm	Cr ppm	V ppm	Sn ppm	W ppm	La ppm	Al pct	Mg pct	Ca pct	Na pct	K pct	Sr ppm	Y ppm	Ga ppm	Li ppm	Nb ppm	Sc ppm	Ta ppm	Ti pct	Zr ppm	Report # V97-
134309	EM Claims	1358	1358			10.8	88		117	14	4	2	-1	17.9	6	5539	80	-9	4.61	17	-10	245	24	26	-20	-20	15	0.31	0.04	0.01	0.01	0.25	7	3	-2	2	-1	-5	-10	-0.01	5	1819.0
134310	EM Claims	629	629			7.9	107		80	18	6	3	-1	8.6	-5	2705	87	-9	7.27	18	-10	271	32	38	-20	-20	17	0.4	0.05	0.01	0.01	0.24	10	3	-2	3	-1	-5	-10	-0.01	2	1819.0
134311	EM Claims	639	639			9.5	97		69	16	6	2	-1	7	-5	2231	83	-9	7	15	-10	306	31	38	-20	-20	18	0.37	0.04	-0.01	0.01	0.26	10	3	-2	2	-1	-5	-10	-0.01	2	1819.0
134312	EM Claims	957	957			11.3	88		85	24	6	3	-1	7	-5	2255	76	-9	7.41	31	-10	267	28	37	-20	-20	14	0.58	0.06	-0.01	0.02	0.21	12	3	-2	3	-1	-5	-10	-0.01	2	1819.0
134313	EM Claims	839	839			14.2	55		66	13	5	2	-1	3.2	-5	1067	65	-9	5.74	16	-10	250	28	37	-20	-20	15	0.38	0.05	-0.01	0.02	0.2	10	3	-2	3	-1	-5	-10	-0.01	2	1819.0
134314	EM Claims	11	11			0.7	26		5	18	2	12	-1	1.6	-5	527	5	-9	0.88	38	-10	1045	219	11	-20	-20	5	0.26	0.05	0.03	-0.01	0.04	4	2	-2	-1	-1	-5	-10	-0.01	2	1819.0
134315	EM Claims	79	79			25.5	76		231	255	3	11	4	24	79	6291	126	-9	1.19	20	-10	229	180	13	-20	-20	6	0.36	0.03	0.03	-0.01	0.12	5	2	-2	3	-1	-5	-10	-0.01	3	1819.0
134316	EM Claims	-5	-5			0.7	21		4	5	3	11	-1	3.3	-5	1069	14	-9	0.69	27	-10	899	231	8	-20	-20	7	0.13	0.01	0.04	-0.01	0.04	6	2	-2	-1	-1	-5	-10	-0.01	2	1819.0
134317	EM Claims	16	16			0.3	48		4	12	2	19	3	0.9	-5	251	6	-9	0.55	28	-10	536	250	8	-20	-20	5	0.25	0.06	0.02	-0.01	0.06	7	2	-2	3	-1	-5	-10	-0.01	1	1819.0
134318	EM Claims	11	11			0.8	67		12	23	4	11	2	1.3	-5	238	27	-9	1.72	35	-10	295	203	16	-20	-20	9	0.26	0.04	0.03	-0.01	0.09	11	2	-2	1	-1	-5	-10	-0.01	2	1819.0
134319	EM Claims	15	15			0.7	31		6	21	18	5	-1	0.8	-5	300	121	-9	6.61	37	-10	746	178	37	-20	46	6	0.1	0.01	0.03	-0.01	0.03	5	2	-2	-1	-1	-5	-10	-0.01	-1	1819.0
134320	EM Claims	13	13			0.6	36		7	412	4	100	12	2.4	-5	26	-5	-9	3.97	1990	-10	197	74	6	-20	-20	8	0.3	0.66	1.45	-0.01	0.03	38	15	-2	5	-1	-5	-10	-0.01	-1	1819.0
134321	EM Claims	20	20			0.7	89		11	55	7	154	41	0.3	-5	40	-5	-9	7.89	242	-10	47	117	54	-20	-20	16	2.9	0.04	6.57	-0.01	0.02	56	2	-2	2	6	-5	-10	0.27	47	1819.0
134322	EM Claims	8	8			0.7	179		6	189	10	282	68	0.2	-5	17	-5	-9	10	137	-10	72	82	45	-20	-20	24	1.96	0.05	3.69	0.01	0.06	27	5	-2	6	4	-5	-10	0.24	31	1819.0
134323	EM Claims	12	12			0.5	85		-2	80	4	181	48	-0.2	-5	16	-5	-9	7.89	301	-10	89	107	59	-20	-20	31	2.69	0.12	8.33	0.04	0.05	114	11	-2	9	6	-5	-10	0.25	27	1819.0
134481	EM Claims	8	8			-0.2	40		16	81	10	29	5	0.6	-5	20	6	-9	2.18	269	-10	327	147	217	-20	-20	14	1.94	0.44	0.7	0.04	0.18	66	17	8	17	22	-5	-10	0.14	29	1821.0
134483	EM Claims	16	16			-0.2	65		4	166	-1	48	12	0.6	-5	11	-5	-9	1.82	100	-10	371	82	17	-20	-20	21	2	0.61	0.13	0.03	0.55	12	4	5	34	3	-5	-10	0.02	3	1821.0
134485	EM Claims	9	9			0.4	28		19	57	3	23	12	-0.2	-5	14	-5	-9	4.6	178	-10	54	62	37	-20	-20	18	2.22	0.84	0.06	0.03	0.44	10	5	6	65	5	-5	-10	-0.01	3	1821.0
134486	EM Claims	7	7			0.4	101		17	129	2	83	15	0.3	-5	10	-5	-9	5.44	154	-10	41	105	75	-20	-20	16	2.54	0.93	0.11	0.04	0.55	16	5	5	76	8	9	-10	0.01	5	1821.0
134487	EM Claims	-5	-5			-0.2	7		4	12	3	17	1	-0.2	-5	6	-5	-9	0.38	73	-10	19	296	2	-20	-20	-1	0.09	-0.01	-0.01	-0.01	0.03	2	-1	-2	-1	-1	-5	-10	-0.01	3	1821.0
134488	EM Claims	20	20			0.4	79		26	110	1	39	7	0.2	-5	61	31	-9	4.98	51	-10	91	79	29	-20	-20	28	1.31	0.17	0.02	0.03	0.41	9	6	5	32	3	-5	-10	-0.01	4	1821.0
134489	EM Claims	11	11			-0.2	83		11	107	-1	50	11	0.2	-5	57	19	-9	4.35	142	-10	192	75	41	-20	-20	28	1.67	0.47	0.04	0.03	0.41	12	6	4	39	4	-5	-10	-0.01	3	1821.0
134490	EM Claims	12	12			-0.2	102		14	432	23	58	9	4.4	-5	14	-5	-9	1.64	34	-10	92	86	181	-20	-20	15	2.83	0.51	2.73	0.04	0.24	114	16	7	19	20	-5	-10	0.14	8	1821.0
134491	EM Claims	10	10			-0.2	54		5	52	4	21	7	0.5	-5	12	-5	-9	2.39	91	-10	95	104	86	-20	-20	15	2.71	0.97	2.49	0.04	0.36	160	12	5	30	11	-5	-10	0.11	9	1821.0
134492	EM Claims	7	7			-0.2	18		4	83	1	26	9	0.3	-5	182	-5	-9	3.14	285	-10	76	71	32	-20	-20	17	2.55	0.72	1.18	0.21	0.22	73	10	6	30	5	7	-10	0.1	18	1821.0
134493	EM Claims	696	696			0.8	29		3	57	3	43	6	25.6	-5	10000	15	-9	3.42	44	-10	110	121	61	-20	-20	5	0.91	0.18	0.4	0.02	0.15	45	5	4	9	7	-5	-10	0.04	9	1821.0
134494	EM Claims	6	6			-0.2	7		11	45	2	6	12	0.4	-5	192	-5	-9	3.43	314	-10	65	71	38	-20	-20	21	3.27	0.76	1.78	0.28	0.26	143	10	7	40	6	5	-10	0.18	16	1821.0
134495	EM Claims	-5	-5			-0.2	13		7	62	1	8	7	-0.2	-5	13	-5	-9	2.41	392	-10	249	118	15	-20	-20	24	2.12	0.33	0.59	0.2	0.55	40	8	7	36	3	6	-10	0.13	3	1821.0
134496	EM Claims	19	19			-0.2	66		8	95	16	36	10	0.3	-5	81	-5	-9	4.77	501	-10	149	139	251	-20	-20	15	4.27	1.47	1.45	0.21	1.3	129	10	13	57	27	9	-10	0.18	10	1821.0
134497	EM Claims	8	8			1.7	25		5	47	2	25	3	-0.2	-5	17	-5	-9	1.08	42	-10	159	142	17	-20	-20	6	0.62	0.14	0.28	0.01	0.11	19	4	-2	5	2	-5	-10	0.02	3	1821.0
131802	ET Claims	557	557			11.6	94		893	1388	4	12	5	7.7	27	619	7	0.193	1.45	302	-10	144	136	9	-20	-20	6	0.45	0.08	0.04	0.01	0.13	8	2	-2	6	-1	-5	-10	-0.01	2	2012.0
131803	ET Claims	48	48			0.3	43		60	1450	8	31	13	7.7	-5	794	-5	-0.01	4.18	674	-10	242	114	94	-20	-20	14	3	0.78	0.65	0.11	0.65	36	8	5	39	2	-5	-10	0.1	16	2012.0
131804	ET Claims	10	10			-0.2	7		206	211	2	4	3	1.1	-5	510	-5	-0.01	1.52	593	-10	105	80	2	-20	-20	26	1.24	0.15	1.4	0.06	0.29	39	3	4	14	1	-5	-10	-0.01	12	2012.0
131805	ET Claims	10	10			-0.2	6		98	180	3	7	2	0.9	-5	168	-5	-0.01	1.57	690	-10	115	83	4	-20	-20	25	1.4	0.19	1.29	0.08	0.3	39	3	4	14	1	-5	-10	-0.01	14	2012.0
131806	ET Claims	179	179			28.6	419		7240	3890	4	16	8	26.6	9	715	12	0.101	3.85	641	-10	155	64	24	-20	-20	16	2	0.46	0.05	0.01	0.37	5	6	5	29	1	-5	-10	0.02	6	2012.0
131807	ET Claims	12	12			-0.2	7		82	160	2	5	2	0.6	-5	21	-5	0.011	1.57	359	-10	73	86	3	-20	-20	23	1.52	0.13	0.79	0.12	0.21	36	2	5	17	2	-5	-10	0.03	24	2012.0
131808	ET Claims	8	8			-0.2	8		105	155	17	5	2	0.7	-5	28	-5	-0.01	1.48	457	-10	86	84	6	-20	-20	22	1.27	0.16	0.82	0.08	0.24	29	3	4	15	-1	-5	-10	0.01	19	2012.0
131809	ET Claims	10	10			-0.2	36		11	134	1	24	17	0.3	-5	11	-5	-0.01	6.78	168	-10	76	44	179	-20	-20	28	5.22	1.83	2.73	0.28	1.51	267	31	16	69	3	9	-10	0.05	-1	2012.0
131810	ET Claims	8	8			-0.2	11		7	35	-1	3	4	-0.2	-5	6	-5	-0.01	4.29	2795	-10	91	13	40	-20	-20	10	1.58	1.13	10	0.04	0.12	481	5	3	18	9	-5	-10	0.13	4	2012.0
131811	ET Claims	8	8			-0.2	26		9	108	-1	54	32	0.4	-5	14	-5	0.02	6.71	1645	-10	365	135	160	-20	-20	41	3.39	1.61	10	0.15	0.5	520	14	9	32	5	11	-10	0.09	3	2012.0
131812	ET Claims	8	8			-0.2	38		6	68	-1	38	26	0.2	-5	6	-5	0.013	7.29	1154	-10	393	63	189	-20	-20	33	2.9	1.8	10	0.03	0.4	397	12	8	39	5	12	-10	0.08	3	2012.0
131813	ET Claims	9	9			-0.2	35		11	155	-1	51	27	0.3	-5	12	-5	0.022	10	1028	-10	130	112	213	-20	-20	82	3.67	1.86	4.3	0.07	0.41	294	30	19	37	3	12	-10	0.09	4	2012.0
131814	ET Claims	9	9			-0.2	15		9	143	1	17	12	0.3	-5	14	-5	0.021	4.62	1940	-10	256	27	67	-20	-20	71	1.56	1.3	8.78	0.05	0.33	392	16	7	21	4	-5	-10	0.02	2	2012.0
131815	ET Claims	7	7			-0.2	40		6	39	-1	68	17	-0.2	-5	-5	-5	-0.01	3.93	836	-10	358	87	49	-20	-20	7	0.55	4.13	10	0.02	0.17	762	5	-2	6	5	9	-10	-0.01	6	2012.0
131816	ET Claims	8	8			-0.2	23		15	52	-1	5	12	0.3	-5	65	-5	0.014	4.23	493	-10	58	76	66	-20	-20	21	3.59	0.98	2.13	0.16	0.14	69	15	3	29	3	13	-10	0.21	5	2012.0
131817	ET Claims	7	7			-0.2	43		28	50	2	6	10	0.2	-5	20	-5	0.02	3.91	461	-10	116	89	59	-20	-20	25	2.86	0.9	1.82	0.12	0.14	46	14	2	37	3	11	-10	0.2	7	2012.0
131818	ET Claims	11	11			-0.2	51		15	57	-1	18	8	-0.2	-5	13	6	0.012	4.71	594	-10	144	89	44	-20	-20	17	2.28	0.93	0.09	0.03	0.54	8	9	5	37	2	5	-10	0.08	1	2012.0
134140	Fido Claims	9	9			0.6	37		17	74	-1	15	3	0.2	-5	6	-5	0.149	3.83	29	-10	330	50	64	-20	-20	28	1.19	0.26	-0.01	0.04	0.62	37	4	9	7	-1	-5	-10	0.02	10	1822.0
134141	Fido Claims	10	10			0.8	83		8	124	1	43	7	0.4	-5	-5	-5	0.132	3.81	102	-10	516	52	62	-20	-20	25	1.74	0.69	0.03	0.02	0.45	30	5	8	18	-1	-5	-10	0.01	9	1822.0
134301	Fido Claims Fido Claims Fido Claims	9	9			0.3	72		11	144	2	27	18	1.5	-5	41	-5	-9	8.73	1744	-10	123	17	57	-20	-20	28	0.87	1.73	8.63	0.01	0.23	486	19	-2	15	4	9	-10	-0.01	3	1819.0

Smpl #	AREA/TARG	Au-plot (ppb)	DATE	NTS	Geol	Zone	UTM-E	UTM-N	TOPO, ENVIRONMENT, SLOPE	MEDIUM	TYPE	Rx type/Sed colour	Rx Alt'n/Sed texture	Mineralization
134451	Fido Claims	23	15-Jul-97	105O/12	MC	9	354540	7061941	Outcrop, sporadic chip over 15 m	Rock	Chip	Silty chert, minor carb	Silty-limey lenses silicated	1-5% diss py
134452	Fido Claims	32	15-Jul-97	105O/12	MC	9	354540	7061941	Outcrop, sporadic chip over 15 m	Rock	Chip	Silty chert, minor carb	Silty-limey lenses silicated	1-5% diss py
134453	Fido Claims	37	15-Jul-97	105O/12	MC	9	354535	7062012	Outcrop, sporadic chip over 10 m	Rock	Chip	Silty chert, minor carb	Silty-limey lenses silicated, minor qz vnlts	1-5% diss py
134454	Fido Claims	8	15-Jul-97	105O/12	MC	9	354512	7062110	Outcrop, sporadic chip over 15 m	Rock	Chip	Carb blk shale	Hornfels	1-15% diss py asp
134455	Fido Claims	24	15-Jul-97	105O/12	MC	9	354512	7062110	Outcrop, sporadic chip over 15 m	Rock	Chip	Carb blk shale	Hornfels	1-15% diss py asp
134456	Fido Claims	18	15-Jul-97	105O/12	MC	9	354512	7062110	Local chip	Rock	Chip	Orange-weathering ls	Limonite after several percent py	Limonitic
134457	Fido Claims	6	15-Jul-97	105O/12	MC	9	354555	7062370	Local chip	Rock	Chip	Orange-weathering ls	Limonite after several percent py	Limonitic
134638	Fido Claims	10	15-Jul-97	105O/12	XD	9	353260	7062365	steep mtn slope, above tree line	rock	grab	argillite	limonite, kao, clay, well brecciated, qtz veined	pyritic
134639	Fido Claims	-5	15-Jul-97	105O/12	XD	9	353275	7062380	steep mtn slope, above tree line	rock	grab	argillite	hornfelsed, siliceous	py vein, nodules, 7%
134640	Fido Claims	-5	15-Jul-97	105O/12	XD	9	353280	7062385	steep mtn slope, above tree line	rock	grab	argillite	strongly limonite, clay altd and qtz veined	pyritic
134641	Fido Claims	8	15-Jul-97	105O/12	XD	9	353210	7062315	steep mtn slope, above tree line	rock	grab	argillite	sil, hornfelsed, well bxd, minor qv	pyritic
134642	Fido Claims	327	15-Jul-97	105O/12	XD	9	353130	7062323	steep mtn slope, above tree line	rock	grab	qtz breccia	qtz flood zone, rusty	pyritic
134643	Fido Claims	16	15-Jul-97	105O/12	XD	9	352860	7062320	steep mtn slope, above tree line	rock	talus	qtz porphyry	clay, kao, minor qtz veinlets	rusty trace py
134644	Fido Claims	97	15-Jul-97	105O/12	XD	9	352862	7062318	steep mtn slope, above tree line	rock	talus	biotite granite	weakly altd	dis fg po 1%
134645	Fido Claims	-5	15-Jul-97	105O/12	XD	9	352595	7062689	steep mtn slope, above tree line	rock	grab	bxd blk argillite	gossanous rusty	pyritic
134646	Fido Claims	15	15-Jul-97	105O/12	XD	9	352595	7062699	steep mtn slope, above tree line	rock	grab	bxd feldspar porphyry	dike, limonite, kao, clay,	pyritic
134647	Fido Claims	43	15-Jul-97	105O/12	XD	9	352595	7062702	steep mtn slope, above tree line	rock	grab	graphitic argillite	strongly bxd with rusty Fe stained fractures	pyritic
134648	Fido Claims	61	15-Jul-97	105O/12	XD	9	352595	7062712	steep mtn slope, above tree line	rock	grab	qtz-feldspar porphyry	strongly bxd, rusty, kao, clay, gossan	pyritic
134649	Fido Claims	10	15-Jul-97	105O/12	XD	9	352595	7062732	steep mtn slope, above tree line	rock	grab	argillite	gossan, strongly bxd, kao, clay altd	pyritic
134650	Fido Claims	-5	15-Jul-97	105O/12	XD	9	352702	7063030	steep mtn slope, above tree line	rock	grab	f-mg crystal/lithic tuff	dis fg py 2%; and dis vcg euh py 5%	pyritic
134651	Fido Claims	-5	15-Jul-97	105O/12	XD	9	352313	7063415	gentle mtn slope, under tree line, subcrop	rock	grab	sandstone	calcarious, fe-carb altd, rusty, 10% qtz veinlets	tr py
134652	Fido Claims	127	16-Jul-97	105O/12	XD	9	353350	7062170	steep mtn slope, above tree line	rock	grab	biotite granite	20% qtz vein,	tr to 1% dis po
134653	Fido Claims	8	16-Jul-97	105O/12	XD	9	353340	7062170	steep mtn slope, above tree line	rock	grab	biotite granite	15% qtz vein	tr dis po
134654	Fido Claims	1154	16-Jul-97	105O/12	XD	9	353430	7062080	steep mtn slope, above tree line	rock	grab	biotite granite	30% qtz vein. 10 m above cntct w/ argillite	tr po
134655	Fido Claims	2247	16-Jul-97	105O/12	XD	9	353430	7062065	steep mtn slope, above tree line	rock	grab	fg granite	sheared and qtz 60% veined. Chl altd locy.	rusty
134656	Fido Claims	135	16-Jul-97	105O/12	XD	9	353446	7062130	steep mtn slope, above tree line	rock	grab	qtz phen biotite granite	20% qv, fe-carb altd, @ cntct w/ argillite	1% dis po
134658	Fido Claims	12840	16-Jul-97	105O/12	XD	9	353430	7062072	steep mtn slope, above tree line	rock	grab	pyritic qtz vein	4 cm thick, hosted in granite, very pyritic	30% py, 2% gal
135151	Fido Claims	-5	15-Jul-97	105O/12	DC	9	351963	7062367		rock	subcrop	Chert	Dk gy-bl aphan, frcd to insitu-bxd	minor to locy 1% fg euh py
135152	Fido Claims	-5	15-Jul-97	105O/12	DC	9	351969	7062379		rock	subcrop	Hornfels	Silic. Sed, rusty weathered, bxd/frcd/vnd, mg xtlline bl cb vng	nil
135156	Fido Claims	-5	16-Jul-97	105O/12	DC	9	352355	7063300		rock	grab	Sandstone	Qtz rich, minor qtz vng	Tr sulphides
135157	Fido Claims	-5	16-Jul-97	105O/12	DC	9	352461	7063281		rock	talus	Calcareous sandstone	Ribbed weathered surface- neg brown calc ss and pos chert clas' & bands. Gy fg with calcite matrix.	Minor to locy 1% vfg sulphide
135158	Fido Claims	-5	16-Jul-97	105O/12	DC	9	352792	7063226	On terrace above main valley floor	rock	boulder	Cong/Flow Bx?	Rusty weathered, gn-gy wi lt gy flow bands. Rounded locy ellip interm intr frag'. 5% calc vts	2-3% locy 10%, vfg -mg sub py
134670	HER Claims	32	17-Jul-97	105O/06,11	XD	9	384134	7043277	steep mtn slope, above tree line	rock	grab	banded chert	bxd, rusty fractures	3% py, pyc vugs
134671	HER Claims	158	17-Jul-97	105O/06,11	XD	9	384125	7043246	steep mtn slope, above tree line	rock	grab	biotite granite	rusty, near cntct w/ cherty argillite	
134672	HER Claims	6	17-Jul-97	105O/06,11	XD	9	384204	7043277	steep mtn slope, above tree line	rock	grab	banded chert	py vugs	3% dis fg py
134673	HER Claims	15	17-Jul-97	105O/06,11	XD	9	383983	7043570	steep mtn slope, above tree line	rock	grab	rusty chert	near Kgd intrusion, 5% sil-qtz veinlets	
134674	HER Claims	10	17-Jul-97	105O/06,11	XD	9	384063	7043630	steep mtn slope, above tree line	rock	grab	chert	rusty, vuggy py	py
134675	HER Claims	-5	17-Jul-97	105O/06,11	XD	9	384107	7043137	steep mtn slope, above tree line	rock	grab	qtz porphyry	rusty, Fe-carb altd	
134676	HER Claims	7	17-Jul-97	105O/06,11	XD	9	384145	7042776	steep mtn slope, above tree line	rock	grab	cherty argillite	bxd, limonite,	py
134677	HER Claims	41	17-Jul-97	105O/06,11	XD	9	384180	7042736	steep mtn slope, above tree line	rock	grab	chert	bxd, rusty frctures	
134678	HER Claims	256	17-Jul-97	105O/06,11	XD	9	385089	7044051	creek under tree line	stream	sed	blk, orange, yllw	swift creek, may not have enough fines	
134680	HER Claims	390	17-Jul-97	105O/06,11	XD	9	383200	7042470	creek under tree line	stream	sed	blk, orange, yllw	swift creek, may not have enough fines	
134681	HER Claims	223	17-Jul-97	105O/06,11	XD	9	382926	7042811	creek side, under tree line	rock	grab	argillite, siltsone	rusty sil	
134682	HER Claims	45	17-Jul-97	105O/06,11	XD	9	382856	7042865	steep mtn slope, above tree line	stream	sed	blk, yllw	swift creek, may not have enough fines	
134153	MY Claims	103	17-Jul-97	105O/11	DB	9	388160	7049367	on ridge above camp	rock	grab	goss hornfels bn slst,	mod fltd @ 270/65. Loc leached, crumbly. Py cavities.	dis aspy, po, cpy
134154	MY Claims	36	17-Jul-97	105O/11	DB	9	388135	7049410	east face of slope	rock	grab	sooty carb shale, horn slst	shale has mm sized pods of fg py, diss po	1-2% sulp
134155	MY Claims	38	17-Jul-97	105O/11	DB	9	388135	7049400	on knife ridge in gully	rock	grab	blk sooty carb shale	lens within thicker hornfels. Semi-msv py	>20% py
134156	MY Claims	10	17-Jul-97	105O/11	DB	9	388137	7049400	2 m east of #134155	rock	grab	thin bdd goss shale	white+ochre goss, 1m min'd zn,	fg py
134157	MY Claims	-5	17-Jul-97	105O/11	DB	9	388130	7049446	entire ridge over 25m composed of this	rock	grab	pa ylw-gn hornfelsed slst,	thick bedded, mottled-streaky, diss po-py	tr-5%
134158	MY Claims	-5	17-Jul-97	105O/11	DB	9	388080	7049360	as above	rock	grab	as above	as above	tr-5%
134240	MY Claims	6	29-Jul-97	105O/11	DB	9	393800	7048840	on side of slope, sample across 0.4m	rock	chip	megacrystic qvns, peg granit	5-40cm vns,	1-2% cg moly
134241	MY Claims	18	29-Jul-97	105O/11	DB	9	393800	7048842	~2m below #134240	rock	grab	15cm megacr qtz-feld vn		

Appendix 1

Sample Description Sheet 6 of 8 - Emerald Lake Project

YUKON - 1997

Smpl #	AREA/TARG	Au-plot ppb	Au30 ppb	Au Rew1	Au Grav	Ag ppm	Cu ppm	CuOL pct	Pb ppm	Zn ppm	Mo ppm	Ni ppm	Co ppm	Cd ppm	Bi ppm	As ppm	Sb ppm	Hg ppm	Fe pct	Mn ppm	Te ppm	Ba ppm	Cr ppm	V ppm	Sn ppm	W ppm	La ppm	Al pct	Mg pct	Ca pct	Na pct	K pct	Sr ppm	Y ppm	Ga ppm	Li ppm	Nb ppm	Sc ppm	Ta ppm	Ti pct	Zr ppm	Report # V97-
134451	Fido Claims	23	23			-0.2	72		7	78	3	57	24	0.2	-5	53	-5	-9	4.82	398	-10	93	148	143	-20	-20	29	2.98	1.57	1.87	0.13	1.31	96	21	9	73	16	11	-10	0.17	3	1821.0
134452	Fido Claims	32	32			-0.2	84		3	67	4	69	30	-0.2	-5	95	-5	-9	4.21	660	-10	77	120	93	-20	-20	47	1.97	1.17	4.22	0.11	0.39	228	14	4	31	11	7	-10	0.15	3	1821.0
134453	Fido Claims	37	37			-0.2	67		12	70	2	49	18	0.3	-5	72	-5	-9	3.63	790	-10	205	73	60	-20	-20	21	1.7	1.47	3.34	0.04	0.58	124	13	4	52	8	-5	-10	0.13	6	1821.0
134454	Fido Claims	8	8			-0.2	81		10	100	5	19	6	0.8	-5	15	-5	-9	4.11	271	-10	215	162	180	-20	-20	27	1.87	1.04	1.53	0.06	0.71	110	25	8	26	19	-5	-10	0.08	5	1821.0
134455	Fido Claims	24	24			-0.2	72		18	316	9	51	11	2.1	-5	28	-5	-9	3.4	324	-10	58	83	130	-20	-20	22	2.67	0.89	1.7	0.24	0.44	147	30	8	23	16	-5	-10	0.1	5	1821.0
134456	Fido Claims	18	18			-0.2	11		-2	95	-1	5	19	0.6	-5	118	-5	-9	9.08	2193	-10	107	9	57	-20	-20	37	1.07	1.4	10	0.01	0.28	324	23	5	9	7	10	-10	-0.01	6	1821.0
134457	Fido Claims	6	6			-0.2	19		16	64	2	22	10	-0.2	-5	53	-5	-9	4.62	1236	-10	102	33	10	-20	-20	17	0.71	1.79	6.15	0.01	0.17	83	12	-2	4	2	-5	-10	-0.01	7	1821.0
134638	Fido Claims	10	10			-0.2	126		2	57	3	11	3	-0.2	-5	42	-5	-9	2.09	188	-10	42	97	13	-20	-20	1	0.4	0.01	-0.01	-0.01	0.05	2	1	2	2	1	-5	-10	-0.01	2	1821.0
134639	Fido Claims	-5	-5			0.5	554		28	140	34	41	27	0.7	-5	31	8	-9	6.47	2851	-10	16	60	35	-20	-20	12	1.75	0.82	0.07	-0.01	0.51	9	5	5	25	4	-5	-10	0.03	15	1821.0
134640	Fido Claims	-5	-5			-0.2	95		-2	76	-1	20	4	-0.2	-5	52	-5	-9	3.53	185	-10	42	116	16	-20	-20	2	0.54	0.02	-0.01	-0.01	0.06	2	1	3	3	2	-5	-10	-0.01	3	1821.0
134641	Fido Claims	8	8			-0.2	110		-2	52	-1	11	5	-0.2	-5	11	-5	-9	2.58	120	-10	316	78	39	-20	-20	17	1.28	0.47	0.04	0.01	0.58	6	4	3	12	5	-5	-10	0.07	11	1821.0
134642	Fido Claims	327	327			0.3	65		13	10	8	11	1	0.4	50	370	10	-9	0.95	33	-10	50	170	5	-20	-20	2	0.23	0.03	0.01	-0.01	0.06	1	1	-2	2	-1	-5	-10	-0.01	2	1821.0
134643	Fido Claims	16	16			-0.2	9		37	17	-1	3	2	-0.2	-5	87	-5	-9	1.11	46	-10	84	73	4	-20	-20	15	1.46	0.05	0.07	-0.01	0.14	4	3	4	7	1	-5	-10	-0.01	9	1821.0
134644	Fido Claims	97	97			-0.2	6		11	19	1	4	4	0.6	-5	564	-5	-9	1.75	157	-10	178	112	9	-20	-20	17	1.3	0.25	0.98	0.07	0.25	44	3	5	19	2	-5	-10	0.04	12	1821.0
134645	Fido Claims	-5	-5			0.4	151		10	497	6	67	12	0.4	-5	22	7	-9	9.08	120	-10	268	41	92	-20	-20	40	1.88	0.25	-0.01	-0.01	0.31	4	8	8	10	9	-5	-10	-0.01	5	1821.0
134646	Fido Claims	15	15			-0.2	95		70	74	-1	12	2	0.6	-5	372	-5	-9	4.37	14	-10	31	32	3	-20	-20	8	2.03	0.1	-0.01	-0.01	0.07	1	1	6	5	1	-5	-10	-0.01	14	1821.0
134647	Fido Claims	43	43			0.4	20		16	20	14	12	1	0.3	-5	159	-5	-9	2.65	8	-10	199	47	90	-20	-20	56	1.23	0.1	-0.01	-0.01	0.31	6	9	5	10	9	-5	-10	-0.01	5	1821.0
134648	Fido Claims	61	61			-0.2	77		22	42	-1	2	2	0.7	-5	632	-5	-9	3.25	10	-10	23	22	2	-20	-20	11	1.29	0.03	-0.01	-0.01	0.12	2	1	5	5	-1	-5	-10	-0.01	14	1821.0
134649	Fido Claims	10	10			-0.2	184		-2	47	-1	7	3	0.3	-5	22	-5	-9	5.18	31	-10	1001	44	28	-20	-20	21	1.27	0.21	-0.01	-0.01	0.14	4	2	7	10	3	-5	-10	-0.01	3	1821.0
134650	Fido Claims	-5	-5			-0.2	43		-2	90	2	217	40	0.2	-5	18	-5	-9	7.85	3091	-10	42	285	138	-20	-20	13	3.45	3.52	8.68	0.02	0.04	329	11	10	88	16	11	-10	0.02	6	1821.0
134651	Fido Claims	-5	-5			-0.2	10		5	38	2	11	4	-0.2	-5	7	-5	-9	2.33	466	-10	112	222	3	-20	-20	-1	0.21	0.09	1.16	0.01	0.07	22	5	-2	1	-1	-5	-10	-0.01	3	1821.0
134652	Fido Claims	127	127			-0.2	4		7	47	7	10	6	0.2	-5	17	-5	-9	2.09	280	-10	211	165	12	-20	90	21	2.01	0.32	0.8	0.2	0.52	48	7	5	23	3	-5	-10	0.09	7	1821.0
134653	Fido Claims	8	8			-0.2	2		4	37	5	4	6	-0.2	-5	6	-5	-9	2.28	281	-10	221	122	12	-20	72	24	2.08	0.32	1.04	0.2	0.48	54	7	6	19	3	-5	-10	0.09	5	1821.0
134654	Fido Claims	1154	1154			-0.2	21		9	37	33	7	5	-0.2	30	21	-5	-9	1.94	186	-10	195	156	11	-20	27	13	2.04	0.51	0.3	0.06	0.37	19	4	3	18	2	-5	-10	0.03	5	1821.0
134655	Fido Claims	2247	2247			0.6	17		15	30	43	18	3	-0.2	120	65	8	-9	1.18	102	-10	115	174	5	-20	156	9	1.12	0.3	0.04	-0.01	0.26	2	3	-2	9	1	-5	-10	-0.01	3	1821.0
134656	Fido Claims	135	135			-0.2	47		4	45	101	6	7	-0.2	-5	14	8	-9	2.99	248	-10	296	142	19	-20	23	14	3.1	0.57	0.36	0.06	0.47	23	8	7	35	4	-5	-10	0.11	9	1821.0
134658	Fido Claims	12840	10000		12.84	35.5	196		2276	61	89	11	5	2.6	122	2307	263	-9	3.25	47	11	35	200	3	-20	431	4	0.67	0.12	0.03	-0.01	0.22	3	1	2	4	-1	-5	-10	-0.01	4	1821.0
135151	Fido Claims	-5	-5			-0.2	11		6	19	2	58	12	-0.2	-5	21	-5	0.022	0.68	157	-10	333	192	5	-20	-20	3	0.13	0.05	0.25	-0.01	0.03	18	2	-2	1	-1	-5	-10	-0.01	-1	1822.0
135152	Fido Claims	-5	-5			1.5	19		9	35	1	26	3	-0.2	-5	7	-5	0.013	2.4	5016	-10	1745	43	28	-20	-20	17	0.93	1.53	10	0.02	0.12	646	8	4	16	6	-5	-10	0.01	-1	1822.0
135156	Fido Claims	-5	-5			-0.2	6		18	46	2	12	4	-0.2	-5	10	-5	0.02	1.51	1152	-10	41	192	6	-20	-20	3	0.49	0.15	-0.01	0.03	0.05	5	2	-2	16	1	-5	-10	-0.01	4	1822.0
135157	Fido Claims	-5	-5			1	23		6	44	-1	34	9	-0.2	-5	8	-5	-0.01	1.84	3836	-10	86	68	24	-20	-20	21	0.45	0.61	10	0.02	0.17	513	15	-2	7	3	5	-10	-0.01	-1	1822.0
135158	Fido Claims	-5	-5			0.4	57		-2	111	3	301	42	-0.2	-5	81	-5	0.02	10	5029	-10	54	302	123	-20	-20	18	3.57	5.25	7.85	0.02	0.13	345	15	8	107	9	15	-10	0.01	2	1822.0
134670	HER Claims	32	32			1.4	175		17	23	3	13	4	0.4	-5	282	6	-9	2.97	68	-10	94	168	33	-20	30	6	0.68	0.43	-0.01	-0.01	0.07	3	3	3	15	3	-5	-10	-0.01	9	1821.0
134671	HER Claims	158	158			-0.2	59		13	74	1	7	10	0.5	-5	41	-5	-9	3.17	302	-10	469	82	23	-20	-20	24	3.19	0.76	1.12	0.21	0.45	67	9	8	41	4	6	-10	0.09	23	1821.0
134672	HER Claims	6	6			0.4	13		24	20	-1	4	1	-0.2	-5	15	18	-9	0.87	16	-10	128	98	6	-20	-20	6	0.48	0.05	-0.01	-0.01	0.2	3	1	-2	4	-1	-5	-10	-0.01	3	1821.0
134673	HER Claims	15	15			-0.2	107		8	247	3	132	8	2	-5	193	-5	-9	1.7	196	-10	590	125	67	-20	-20	13	2.24	0.71	0.91	0.08	0.3	78	14	5	26	8	5	-10	0.11	11	1821.0
134674	HER Claims	10	10			-0.2	60		13	120	1	58	11	0.7	-5	17	-5	-9	2.3	284	-10	306	134	36	-20	-20	11	1.99	0.89	0.99	0.11	0.22	43	9	5	28	5	-5	-10	0.09	9	1821.0
134675	HER Claims	-5	-5			-0.2	45		23	77	-1	10	8	0.4	-5	-5	-5	-9	3.29	453	-10	456	69	8	-20	-20	28	1.03	0.13	1.81	0.04	0.29	41	10	4	10	1	-5	-10	-0.01	5	1821.0
134676	HER Claims	7	7			0.4	21		3	62	11	13	2	0.6	-5	477	119	-9	6.6	30	-10	115	148	69	-20	-20	2	0.31	0.02	-0.01	-0.01	0.37	94	2	6	2	6	-5	-10	-0.01	4	1821.0
134677	HER Claims	41	41			0.3	32		6	16	2	10	1	0.3	-5	234	29	-9	1.96	37	-10	203	228	10	-20	-20	-1	0.13	0.01	-0.01	-0.01	0.03	13	-1	2	-1	-1	-5	-10	-0.01	2	1821.0
134678	HER Claims	256	256			1.2	146		43	450	11	238	31	5.6	-5	181	10	-9	5.07	4443	-10	437	96	99	-20	-20	24	1.93	0.42	0.35	0.02	0.27	52	19	2	23	2	-5	-10	0.01	-1	1820.0
134680	HER Claims	390	390			0.6	100		24	446	7	130	13	2.4	-5	85	8	-9	3.81	1585	-10	657	43	66	-20	-20	22	1.45	0.18	0.24	0.01	0.25	65	17	-2	14	1	-5	-10	-0.01	-1	1820.0
134681	HER Claims	223	223			-0.2	81		14	89	-1	35	13	0.4	-5	44	6	-9	4.13	784	-10	107	53	22	-20	-20	19	1.45	0.36	0.05	0.01	0.41	9	7	5	15	3	5	-10	-0.01	3	1821.0
134682	HER Claims	45	45			0.5	88		21	234	11	78	10	2.2	-5	134	6	-9	4.66	739	-10	525	68	123	-20	-20	28	1.83	0.51	0.33	0.03	0.29	63	14	2	23	2	-5	-10	0.02	1	1820.0
134153	MY Claims	103	103			0.6	239		39	24	31	107	58	0.6	16	958	-5	-0.01	3.97	179	-10	69	58	4	-20	-20	15	0.21	0.02	1.57	0.01	0.14	22	36	3	-1	-1	-5	-10	-0.01	6	1822.0
134154	MY Claims	36	36			-0.2	45		28	107	3	52	14	0.4	-5	104	-5	-0.01	2.89	2582	-10	403	81	71	-20	-20	20	2.03	1.07	0.52	0.03	0.9	22	11	5	32	2	-5	-10	0.06	10	1822.0
134155	MY Claims	38	38			1	600		53	1070	27	138	48	6.6	-5	9	22	0.022	10	1663	-10	35	69	266	-20	-20	41	1.14	1.24	6.55	-0.01	0.12	60	35	10	24	15	-5	13	0.04	7	1822.0
134156	MY Claims	10	10			-0.2	117		24	85	38	62	10	0.3	-5	11	7	-0.01	2.9	601	-10	24	178	200	-20	-20	11	1.41	0.42	1.79	0.05	0.08	62	15	6	8	10	-5	-10	0.05	6	1822.0
134157	MY Claims	-5	-5			-0.2	64		17	48	4	22	9	-0.2	-5	11	-5	-0.01	2.08	231	-10	171	101	132	-20	-20	16	1.44	1.05	0.16	0.04	0.94	12	7	6	30	5	6	-10	0.09	14	1822.0
134158	MY Claims	-5	-5			-0.2	48		10	62	-1	20	8	0.3	-5	6	-5	0.011	2.08	681	-10	210	99	23	-20	-20	10	1.47	0.77	0.32	0.05	0.58	24	3	4	23	-1	-5	-10	0.04	4	1822.0
134240	MY Claims	6	6			-0.2	21		54	39	179	4	1	-0.2	8	19	-5	-0.01	0.69	141	-10	39	182	8	-20	-20	3	0.36	0.06	0.04	0.01	0.23	20	1	-2	15	-1	-5	-10	-0.01	2	2012.0
134241	MY Claims	18	18			-0.2	64		49	23	75	7	4	-0.2	24	14	-5	-0.01	1.5	160	-10	46	153	21	-20	-20	14	0.59	0.21	0.31	0.05	0.37	33	6	-2	27	1	-5	-10	0.05	4	2012.0

Smpl #	AREA/TARG	Au-plot (ppb)	DATE	NTS	Geol	Zone	UTM-E	UTM-N	TOPO, ENVIRONMENT, SLOPE	MEDIUM	TYPE	Rx type/Sed colour	Rx Alt'n/Sed texture	Mineralization
134242	MY Claims	11	29-Jul-97	105O/11	DB	9	393800	7048845	~20m below #134241	rock	grab	5cm qv	10cm altd selv	
134243	MY Claims	6	29-Jul-97	105O/11	DB	9	393800	7048838	~3m below #134242	rock	grab	15cm qtz vn	v cg bio	loc moly
134244	MY Claims	7	29-Jul-97	105O/11	DB	9	393800	7048835	below ledge ~2m	rock	grab	5cm qtz vn	cg bio, qtz, feld,	tr moly
134245	MY Claims	28	29-Jul-97	105O/11	DB	9	393800	7048835		rock	grab	10cm qtz vn		
134246	MY Claims	63	29-Jul-97	105O/11	DB	9	393800	7048835	1.7m sample	rock	chip	5 qtz vns, 2-15cm	total qtz vn width 30cm, cg bio	2-3% moly
134247	MY Claims	17	29-Jul-97	105O/11	DB	9	393625	7048804	N along ridge from main showing	rock	chip	qtz vns, ylw-ochre goss	spaced 20-50 cm over 1.5m	aspy, 1-3% py
134307	MY Claims	30	16-Jul-97	105O/11	TM	9	388160	7049400		rock				
134308	MY Claims	6	16-Jul-97	105O/11	TM	9	388190	7049340		rock				
135291	MY Claims	19	29-Jul-97	105O/11	DC	9	393700	7048740		rock	grab	Qtz-feld 'Vn'	10-15cm cg with rusty margins, 290/45dip (NE). 50/50 intrusive/vein.	Nil
135292	MY Claims	18	29-Jul-97	105O/11	DC	9	393700	7048740		rock	grab	QV's	4 X 5cm veins across 5m face. QV cg with rusty margins.	Nil
135293	MY Claims	17	29-Jul-97	105O/11	DC	9	393700	7048740		rock	grab	QV's	Composite of 2 northern veins, the one vein 'blows-out' to 20cm for 5m vert. Cg	Nil
135294	MY Claims	20	29-Jul-97	105O/11	DC	9	393700	7048740		rock	grab	10cm QV	ada	Nil
135295	MY Claims	35	29-Jul-97	105O/11	DC	9	393700	7048740		rock	grab	5cm QV	ada	Nil
135296	MY Claims	49	29-Jul-97	105O/11	DC	9	393700	7048740		rock	grab	10cm QV	ada	Nil
135297	MY Claims	15	29-Jul-97	105O/11	DC	9	393700	7048740		rock	grab	5cm QV	ada	Minor mo
135298	MY Claims	5	29-Jul-97	105O/11	DC	9	393900	7048600		rock	grab	Felsic Dyke	Rusty weathered creamy wt fresh surface, prey fg-mg qtz + lesser bio. Intrudes bl fg siliceous siltstone.	minor fg py
135299	MY Claims	70	29-Jul-97	105O/11	DC	9	393780	7048500		silt				
131801	Weas Claims	20130	29-Jul-97	105O/03	DC	9	389720	7007870	5m below 135300	rock	grab	6cm Qtz-aspy Vein	25% aspy in one cg qv, at 225/80 (E)	25% aspy
134181	Weas Claims	-5	20-Jul-97	105O/03	DB	9	389595	7007931	upslope from helipad for ddh AM96-05	rock	grab	wkly po'd qtz monz	~3m from cnt, no vns, diss po in mtx	1-3% po
134182	Weas Claims	16	20-Jul-97	105O/03	DB	9	389595	7007931	upslope from helipad for ddh AM96-05	rock	grab	mod'y po'd qtz monz	at cnt, no vns,	2-5% po
134183	Weas Claims	5	20-Jul-97	105O/03	DB	9	389595	7007931	upslope from helipad for ddh AM96-05	rock	grab	hornfels sed	above cnt.	2-5% po
134184	Weas Claims	37	20-Jul-97	105O/03	DB	9	389727	7007854	~50-75m along strike to south from 134181-3	rock	grab	min'd hornfels seds, shear	shear/faults @ 200/75S, pll to qtz vns in intr	1-2% py
134185	Weas Claims	5693	20-Jul-97	105O/03	DB	9	389882	7007679	along strike to south from 134184	rock	grab	mass aspy-(py) qtz vn	in seds near cnt	>10% aspy, 1-2% py
134186	Weas Claims	-5	20-Jul-97	105O/03	DB	9	389370	7008890	NW bowl, Ann Mark	rock	grab	3m thick felid marble bed	wh, stg fizz, in cnt with dyke	none
134187	Weas Claims	129	20-Jul-97	105O/03	DB	9	389340	7008870	NW bowl, Ann Mark	rock	grab	0.7m min'd marble/lst	in fw of wh marble, well min'd with diss gal, py, po	1-2% gal, py, tr po
134188	Weas Claims	119	20-Jul-97	105O/03	DB	9	389340	7008870	NW bowl, Ann Mark	rock	grab	3m zn, min'd qtz vn + lst	in fw to prev sample, mg cubic py in vns & dis	5-10% py, tr-2% sph
134189	Weas Claims	36	20-Jul-97	105O/03	DB	9	389340	7008870	NW bowl, Ann Mark	rock	grab	2m zn, min'd qtz vn + lst	in fw to prev sample, mg cubic py in vns & dis	5-10% py, tr-2% sph
134190	Weas Claims	-5	20-Jul-97	105O/03	DB	9	389090	7008700	NW bowl, Ann Mark	rock	grab	marble, lens of bl-gn mnl	blue-green mnl?	none
134191	Weas Claims	-5	20-Jul-97	105O/03	DB	9	389090	7008700	NW bowl, Ann Mark	rock	grab	marble, gn oxide (mala?)		1-2% gn ox
134192	Weas Claims	26	20-Jul-97	105O/03	DB	9	389083	7008444	NW bowl, Ann Mark	rock	grab	semi-msv po in fg hornfels	adj to qtz monz dyke, 50m below summit	>20% po
134193	Weas Claims	56	21-Jul-97	105O/03	DB	9	389233	7009213	ridge nw of intr above blue lake	rock	grab	gy slst	3m unit, interbedded with lst, adj to porp dyke	1-5% po, 0.5-1% py
134194	Weas Claims	14	21-Jul-97	105O/03	DB	9	389233	7009213	ridge nw of intr above blue lake	rock	grab	40cm bed of gy-wh lst	ridge composed of bedded lst-slst-qtzite	none
134195	Weas Claims	13	21-Jul-97	105O/03	DB	9	389233	7009213	downslope on ridge as above	rock	grab	1.5m seq of lst-slst-qtzite	base of overturned 30m seq of slst-qtzite-lst beds	tr po
134196	Weas Claims	23	21-Jul-97	105O/03	DB	9	389364	7009150	near bottom of slope, above lake	rock	grab	2m unit fg qtzite	str po'd, striking along ridge, dip gently east	up to 10% po, tr py
134197	Weas Claims	8	21-Jul-97	105O/03	DB	9	391824	7009315	downslope from icefield, just above lake	rock	grab	qtz monz, qtz vnlts	~50m above cnt, vnlts spaced @ 10-30cm,	tr po in vnlts
134205	Weas Claims	9	26-Jul-97	105O/03	DB	9	391680	7008465	S face of small ridge, above small pond	rock	chip	qtz vnlt zn in qtz monz	2m zn of rusty qvs, spaced 5-40 cm, ~195/65	tr-1% py, po
134206	Weas Claims	6	26-Jul-97	105O/03	DB	9	391650	7008460	~30m W along ridge from #134205	rock	chip	qtz vnlt zn in qtz monz	1m zn rusty qvs, spaced 2-10cm, 202/62 & 190/85	tr-1% py, po
134207	Weas Claims	34	26-Jul-97	105O/03	DB	9	391900	7008400	just E of drop pt, on N side of ridge	rock	grab	qtz vnlt in qtz monz	5-6mm rusty qvs over 0.5m, wlrk not po'd, 065/60	tr-1% py, po, rare aspy
134208	Weas Claims	18	26-Jul-97	105O/03	DB	9	392060	7008460	N side of NE ridge, ~200m from drop pt	rock	grab	qtz vn zn in qtz monz	0.8m zn, 1-5mm qvs, one 5cm bar wh qv, 50/55	tr
134209	Weas Claims	11	26-Jul-97	105O/03	DB	9	392416	7008313	near ridge top	rock	float	po'd qtz monz	1-2mm qtz-carb-po vnlts, po in wlrk, no large zn	3-5% po, tr-0.5% py
134210	Weas Claims	15	26-Jul-97	105O/03	DB	9	392529	7008376	~50m down ridge from contact	rock	grab	goss gy po'd hornf sdst	msv, no vns	1-2% po, min py
134211	Weas Claims	7	26-Jul-97	105O/03	DB	9	392603	7008417	down ridge from prev sample	rock	grab	wh & gy qtzite, qtz vnlts	loc stwk of vnlts, carb altn, within well-bdd seq	none
134213	Weas Claims	-5	26-Jul-97	105O/03	DB	9	392317	7008117	on south ridge, W face, S of drop pt	rock	grab	qtz vnlts in qtz monz	rare zns of wkly po'd qtz vnlts, 194/90, unmin wlrk	tr-1% po
134214	Weas Claims	27	26-Jul-97	105O/03	DB	9	388910	7009520	o/c face betw 2 waterfall/cks	rock	grab	goss ylw-or sil'd slst	wkly py'd sil'd or hornf slst, rare py vugs	2-5% po, tr py
134215	Weas Claims	41	26-Jul-97	105O/03	DB	9	389050	7009650	20m N of northern ck draining glac lake	rock	grab	po'd fg hornf sdst	minor shaley hornf	1-5% po, tr py
134216	Weas Claims	15	26-Jul-97	105O/03	DB	9	389050	7009660	10m n along face from #134215	rock	grab	ylw-or goss dk fg sdst	5m wide goss, po banded along bdg, loc qv stwks	2-5% po, loc tr-1% py
135300	Weas Claims	7214	29-Jul-97	105O/03	DC	9	389720	7007870	in draw on steep slope	rock	grab	Qtz-aspy Vein	A system of vts at 180/vert, contorted to south. Host rc intrusive, bio absent	semi mass aspy
135228	YZ Claims	-5	21-Jul-97	105O/05	DC	9	373690	7018790	Along creek bank.	rock	grab	Silic slst/Hornfels	Rusty weathered & frcg. Gy vfg silic aprc.	2-3% diss fg-mg sulphide (po/py)
135229	YZ Claims	-5	21-Jul-97	105O/05	DC	9	373730	7018750	Along creek bank.	rock	grab	Silic slst/Hornfels	Ada	5-10% diss po
135230	YZ Claims	-5	21-Jul-97	105O/05	DC	9	373700	7018830	Along creek bank.	rock	grab	Silic slst/Hornfels	Ada	5-10% diss po concd along frc surfaces
135231	YZ Claims	-5	21-Jul-97	105O/05	DC	9	373790	7018800	Along creek bank.	rock	grab	Silic slst/Hornfels	Ada	10% diss po

Smpl #	AREA/TARG	Au-plot ppb	Au30 ppb	Au Rew1	Au Grav	Ag ppm	Cu ppm	CuOL pct	Pb ppm	Zn ppm	Mo ppm	Ni ppm	Co ppm	Cd ppm	Bi ppm	As ppm	Sb ppm	Hg ppm	Fe pct	Mn ppm	Te ppm	Ba ppm	Cr ppm	V ppm	Sn ppm	W ppm	La ppm	Al pct	Mg pct	Ca pct	Na pct	K pct	Sr ppm	Y ppm	Ga ppm	Li ppm	Nb ppm	Sc ppm	Ta ppm	Tl pct	Zr ppm	Report # V97-
134242	MY Claims	11	11			-0.2	26		53	39	10	4	5	-0.2	-5	-5	-5	-0.01	1.63	289	-10	42	106	31	-20	119	16	0.75	0.3	0.52	0.08	0.39	46	8	-2	35	2	-5	-10	0.08	5	2012.0
134243	MY Claims	6	6			0.7	31		133	87	37	10	2	0.4	7	282	-5	-0.01	0.72	217	-10	25	200	4	-20	27	5	0.3	0.02	0.06	0.01	0.19	8	2	-2	13	-1	-5	-10	-0.01	2	2012.0
134244	MY Claims	7	7			0.3	69		25	15	62	4	3	-0.2	29	-5	-5	-0.01	1.73	128	-10	35	111	24	-20	-20	6	0.55	0.28	0.09	0.03	0.46	25	3	2	56	1	-5	-10	0.04	5	2012.0
134245	MY Claims	26	26			0.3	26		35	30	7	4	4	-0.2	60	6	6	-0.01	1.48	297	-10	29	134	27	-20	-20	18	0.58	0.23	0.35	0.07	0.27	31	5	-2	34	2	-5	-10	0.06	4	2012.0
134246	MY Claims	63	63			0.4	52		57	28	684	7	3	-0.2	38	15	-5	-0.01	1.85	197	-10	34	140	31	-20	-20	12	0.59	0.31	0.26	0.05	0.4	28	5	-2	43	2	-5	-10	0.07	4	2012.0
134247	MY Claims	17	17			1.8	77		494	275	13	3	5	1.4	7	1062	-5	-0.01	2.1	833	-10	46	90	25	-20	-20	26	0.76	0.18	0.57	0.03	0.44	40	12	3	33	1	-5	-10	0.03	4	2012.0
134307	MY Claims	90	90			1.8	923		21	75	3	51	23	-0.2	18	-5	-5	-9	7.7	2445	-10	46	37	14	-20	-20	7	2.32	0.92	2.44	0.04	0.18	119	4	-2	15	1	-5	-10	0.06	-1	1819.0
134308	MY Claims	8	8			0.4	271		23	32	-1	13	7	-0.2	-5	-5	-5	-9	3.02	1469	-10	57	29	3	-20	-20	9	0.95	0.48	2.2	0.02	0.07	47	5	-2	14	-1	-5	-10	0.03	-1	1819.0
135291	MY Claims	19	19			-0.2	26		18	12	2	4	2	-0.2	22	-5	-5	-0.01	0.99	88	-10	18	150	13	-20	-20	4	0.37	0.11	0.06	0.03	0.24	11	2	-2	26	-1	-5	-10	0.02	30	2014.0
135292	MY Claims	18	18			-0.2	41		14	33	12	4	2	0.3	24	-5	-5	-0.01	0.67	116	-10	12	155	8	-20	246	4	0.19	0.04	0.14	-0.01	0.09	19	2	-2	13	-1	-5	-10	-0.01	-1	2014.0
135293	MY Claims	17	17			5.1	55		882	283	7	3	2	1	30	1212	-5	0.011	0.55	197	-10	21	138	-1	-20	-20	2	0.25	-0.01	0.03	-0.01	0.2	5	-1	-2	6	-1	-5	-10	-0.01	3	2014.0
135294	MY Claims	20	20			7.1	59		555	473	2	3	-1	3.5	25	127	-5	0.016	0.94	285	-10	35	105	2	-20	-20	4	0.41	0.02	0.07	-0.01	0.3	6	2	-2	14	-1	-5	-10	-0.01	-1	2014.0
135295	MY Claims	36	36			0.7	37		105	76	15	4	2	0.4	32	82	-5	-0.01	0.77	215	-10	29	165	7	-20	73	11	0.42	0.05	0.21	0.02	0.26	19	5	-2	22	-1	-5	-10	-0.01	3	2014.0
135296	MY Claims	49	49			2.1	7		169	29	2	4	1	-0.2	10	1726	-5	-0.01	0.46	120	-10	23	155	-1	-20	-20	2	0.25	-0.01	0.01	-0.01	0.19	6	-1	-2	7	-1	-5	-10	-0.01	-1	2014.0
135297	MY Claims	15	15			0.6	23		70	40	1040	4	-1	-0.2	28	104	-5	-0.01	0.5	138	-10	17	147	2	-20	-20	2	0.22	-0.01	-0.01	0.02	0.16	9	1	-2	6	-1	-5	-10	-0.01	2	2014.0
135298	MY Claims	-5	-5			-0.2	39		13	19	4	6	3	-0.2	-5	-5	-5	-0.01	0.68	69	-10	10	97	-1	-20	-20	24	0.44	0.03	0.03	0.03	0.13	5	3	-2	9	-1	-5	-10	-0.01	10	2014.0
135299	MY Claims	70	70			1.2	164		25	106	6	35	13	1.3	11	646	7	0.029	10	523	-10	251	33	80	-20	-20	17	1.88	0.75	0.22	0.04	0.44	89	9	5	31	-1	-5	-10	0.06	8	2013.0
131801	Weas Claims	20130	10000		20.13	5.4	10		92	30	2	14	31	23.2	94	10000	243	0.11	8.56	59	13	12	94	15	-20	-20	5	0.25	0.1	0.14	-0.01	0.14	17	3	3	7	-1	-5	-10	-0.01	1	2012.0
134181	Weas Claims	-5	-5			0.2	69		-2	86	2	8	12	-0.2	-5	11	-5	-0.01	4.08	389	-10	46	53	83	-20	-20	12	5.19	1.14	2.93	0.65	0.79	129	11	-2	39	8	8	-10	0.26	2	1822.0
134182	Weas Claims	16	16			-0.2	40		8	95	2	9	10	0.3	-5	78	-5	0.015	3.47	307	-10	59	61	78	-20	-20	11	4.52	1.07	2.54	0.53	0.57	107	11	-2	42	7	12	-10	0.24	2	1822.0
134183	Weas Claims	-5	-5			0.9	41		20	1310	32	57	2	33.7	-5	18	-5	0.049	0.69	28	-10	253	134	522	-20	-20	6	0.37	0.05	0.01	0.01	0.21	4	3	-2	7	4	-5	-10	0.03	4	1822.0
134184	Weas Claims	37	37			0.3	43		105	109	18	39	2	1.9	-5	368	17	0.044	2.19	25	-10	389	124	117	-20	-20	14	0.57	0.05	0.02	0.03	0.29	10	4	-2	7	1	-5	-10	-0.01	4	1822.0
134185	Weas Claims	5693	5693			1	39		12	59	3	43	43	313.2	49	10000	127	0.026	10	127	-10	12	74	38	-20	44	-1	1.37	0.71	0.03	0.02	0.2	3	5	-2	28	-1	6	-10	0.01	2	1822.0
134186	Weas Claims	-5	-5			-0.2	2		8	32	-1	12	-1	0.3	-5	264	-5	-0.01	0.05	4	-10	2000	3	9	-20	-20	-1	0.07	-0.01	0.06	-0.01	-0.01	448	-1	-2	-1	1	-5	-10	-0.01	-1	1822.0
134187	Weas Claims	129	129			90.8	26		7995	4107	-1	11	-1	53.8	136	40	29	0.391	1.46	20000	-10	88	45	9	-20	-20	1	0.11	0.02	4.98	-0.01	0.01	275	1	5	-1	-1	-5	-10	-0.01	-1	1822.0
134188	Weas Claims	119	119			1.2	55		36	7882	2	17	2	110.4	-5	736	7	1.215	3.68	550	-10	14	138	31	-20	-20	-1	0.9	0.12	0.44	0.02	0.05	6	2	-2	4	-1	-5	-10	0.02	2	1822.0
134189	Weas Claims	36	36			0.5	34		9	6245	1	14	4	119.4	-5	350	-5	0.818	2.97	419	-10	18	99	17	-20	-20	1	1.56	0.26	0.73	0.06	0.12	11	3	-2	15	2	-5	-10	0.07	-1	1822.0
134190	Weas Claims	-5	-5			0.7	3		72	206	2	120	-1	0.7	-5	37	-5	0.025	0.31	381	-10	2000	17	82	-20	-20	3	3.93	0.18	0.7	-0.01	0.07	984	2	6	5	5	-5	-10	0.01	-1	1822.0
134191	Weas Claims	-5	-5			-0.2	1		9	54	-1	10	-1	-0.2	-5	11	-5	0.019	0.07	46	-10	2000	12	8	-20	-20	-1	0.19	0.08	1.78	-0.01	-0.01	674	-1	-2	2	1	-5	-10	-0.01	-1	1822.0
134192	Weas Claims	26	26			1.5	89		9	116	5	274	53	0.6	-5	16	-5	0.025	8.37	279	-10	24	89	40	-20	-20	12	2.15	0.11	2.45	0.1	0.1	46	13	-2	23	5	-5	-10	0.14	9	1822.0
134193	Weas Claims	56	56			2.2	18		140	50	4	23	5	1.2	30	16	51	-0.01	1.88	119	-10	78	157	41	-20	-20	4	2.47	0.33	1.89	0.04	0.07	172	10	2	22	2	-5	-10	0.12	4	2012.0
134194	Weas Claims	14	14			0.4	7		9	37	-1	8	1	0.5	-5	6	-5	-0.01	0.84	208	-10	119	26	4	-20	-20	-1	0.43	0.02	10	-0.01	0.02	640	6	-2	-1	8	-5	-10	0.03	1	2012.0
134195	Weas Claims	13	13			0.7	15		15	63	4	23	3	1	-5	7	-5	-0.01	1.25	342	-10	156	110	17	-20	-20	2	1.1	0.15	6.25	0.02	0.05	149	8	-2	8	3	-5	-10	0.06	5	2012.0
134196	Weas Claims	23	23			0.9	39		9	22	4	35	8	0.3	-5	46	-5	-0.01	4.41	158	-10	29	96	26	-20	-20	13	2.32	0.18	1.92	0.04	0.07	205	10	4	16	3	-5	-10	0.08	5	2012.0
134197	Weas Claims	8	8			-0.2	11		8	55	2	6	12	-0.2	-5	15	-5	-0.01	3.07	338	-10	413	73	63	-20	-20	22	4.39	0.84	2.19	0.42	0.87	90	10	2	47	3	6	-10	0.22	2	2012.0
134205	Weas Claims	9	9			-0.2	3		11	36	2	6	10	-0.2	-5	19	-5	-0.01	2.81	401	-10	154	85	44	-20	-20	26	2.03	0.77	1.43	0.08	0.32	38	9	-2	41	3	6	-10	0.15	2	2012.0
134206	Weas Claims	6	6			-0.2	3		11	36	1	5	9	-0.2	-5	115	-5	0.015	2.7	459	-10	126	87	33	-20	-20	23	1.51	0.57	1.98	0.07	0.29	37	10	-2	28	2	6	-10	0.09	2	2012.0
134207	Weas Claims	34	34			-0.2	5		14	28	4	5	9	0.2	-5	63	-5	-0.01	2.9	374	-10	169	116	32	-20	-20	14	1.27	0.71	2.27	0.05	0.29	97	10	-2	29	2	6	-10	0.08	3	2012.0
134208	Weas Claims	18	18			-0.2	5		11	35	1	7	7	-0.2	-5	188	14	-0.01	2.51	454	-10	137	146	24	-20	-20	17	1.21	0.38	1.7	0.05	0.24	24	10	-2	15	2	6	-10	0.05	2	2012.0
134209	Weas Claims	11	11			-0.2	82		10	45	2	5	12	0.2	-5	16	-5	0.016	3.53	297	-10	89	83	43	-20	-20	26	2.62	0.52	1.36	0.29	0.23	52	10	-2	23	3	-5	-10	0.16	1	2012.0
134210	Weas Claims	15	15			-0.2	78		11	100	2	67	12	0.3	-5	18	-5	-0.01	4.39	190	-10	25	82	35	-20	-20	9	2.83	0.71	0.85	0.11	0.18	44	8	6	39	1	-5	-10	0.02	9	2012.0
134211	Weas Claims	7	7			-0.2	4		5	8	2	5	-1	-0.2	-5	60	7	0.182	0.46	34	-10	1736	131	11	-20	-20	7	0.34	0.03	0.08	-0.01	0.07	10	3	-2	2	-1	-5	-10	-0.01	4	2012.0
134213	Weas Claims	-5	-5			-0.2	43		15	41	2	6	13	-0.2	-5	97	-5	-0.01	3.69	431	-10	222	83	55	-20	-20	23	2.76	0.92	1.95	0.2	0.38	51	12	4	41	2	8	-10	0.11	2	2012.0
134214	Weas Claims	27	27			-0.2	73		11	22	-1	38	12	-0.2	-5	41	20	0.014	2.16	511	-10	46	76	22	-20	-20	9	1.85	0.66	0.57	0.09	0.38	131	4	3	23	1	-5	-10	0.06	3	2012.0
134215	Weas Claims	41	41			-0.2	29		18	22	4	46	17	-0.2	-5	44	12	0.017	4.11	426	-10	21	48	21	-20	-20	8	2.2	0.71	0.78	0.1	0.29	82	9	-2	36	1	-5	-10	0.08	13	2012.0
134216	Weas Claims	15	15			-0.2	16		21	30	3	17	8	-0.2	-5	80	11	0.03	3.03	450	-10	22	41	19	-20	-20	14	1.41	0.62	0.2	0.07	0.3	66	9	-2	28	1	-5	-10	0.05	11	2012.0
135300	Weas Claims Weas Claims	7214	6029	8400		3.5	7		54	53	-1	10	10	-0.2	79	10000	194	0.018	4.21	159	-10	55	47	13	-20	-20	6	0.33	0.24	0.43	0.01	0.23	24	4	2	9	-1	-5	-10	0.01	2	2014.0
135228	YZ Claims	-5	-5			-0.2	29		11	53	-1	33	12	-0.2	-5	16	7	-9	4.56	272	-10	105	41	27	-20	-20	17	2.2	1.03	0.11	0.02	0.29	16	4	4	51	1	-5	-10	0.02	5	1928.0
135229	YZ Claims	-5	-5			-0.2	24		13	83	-1	41	15	-0.2	-5	21	9	-9	4.05	362	-10	84	57	31	-20	-20	13	2.16	1.2	0.29	0.03	0.34	18	7	3	54	2	-5	-10	0.02	5	1928.0
135230	YZ Claims	-5	-5			-0.2	35		13	64	3	34	9	-0.2	-5	12	-5	-9	4.4	456	-10	217	54	35	-20	-20	21	2.34	1.12	0.2	0.03	0.32	20	6	4	57	2	-5	-10	0.02	7	1928.0
135231	YZ Claims	-5	-5			-0.2	32		12	110	-1	55	18	0.2	-5	13	-5	-9	4.58	472	-10	78	38	33	-20	-20	13	2.42	1.21	0.43	0.04	0.33	39	7	3	60	2	-5	-10	0.02	6	1928.0

APPENDIX 2

ANALYTICAL METHODS

ANALYTICAL METHODS

Rockchip, stream and soil samples were shipped to Intertek Testing Services (Bondar Clegg) in North Vancouver, BC for analyses. All samples were analysed for gold by atomic absorption following fine assay (lead collection) concentration and for 34 elements by atomic emission spectroscopy (ICP). Mercury was analysed by atomic absorption.

Soil and sediment samples were prepared for analyses by drying and sieving to –80 mesti. Rockchip samples were crushed and pulverized to 95 percent passing –150 mesti. Prepared samples were subjected to aqua regia acid digestion prior to analyses. Detection limits for the various elements follow:

Au – 5 ppb
Ag – 0.2 ppm
Cu – 1 ppm
Pb – 2 ppm
Zn – 1 ppm
Mo – 1 ppm
As – 5 ppm
Sb – 5 ppm
Nb – 1 ppm
Ni – 1 ppm
Sc – 5 ppm
Sm – 20 ppm
Sr – 1 ppm
Ta – 10 ppm
Te – 10 ppm
Ti – 0.01%
V – 1 ppm
W – 20 ppm
Y – 1 ppm
Zr – 1 ppm

Hg – 10 ppb
Bi – 5 ppm
Al – 0.01%
Ba – 2 ppm
Ca – 0.01%
Cd – 0.2 ppm
Co – 1 ppm
Cr – 1 ppm

Fe – 0.01%
Ga – 2 ppm
k – 0.01%
La – 1 ppm
Li – 1 ppm
Mg – 0.01%
Mn – 1 ppm
Na – 0.01%

APPENDIX 3

1997 EXPENDITURES
AND
ASSESSMENT CREDIT ALLOCATION SUMMARY

Assessment Credit Summary of The Emerald Lake Project, Mayo Mining Division, Yukon Territory

Claim Name	Claim units	Target #	NTS 105O	Date of Work Incurred July 14 - July 31, 1997	Geologists MC, DB, DC, XD, TM	Work Incurred on claims	Man-days	Helicopter (hours)	-cost ($)	Sample #	Assay ($)	Salaries ($)	Fixed Wing ($)	Fuel&Supply ($)	Camp Gear ($)	Grocery ($)	Expediting ($)	Satellite Ph ($)	Travel ($)	Maps, Mag Data ($)	Total ($)
AU	42	11 - C	105O/1	24,25,26-Jul-97	XD	AU 1-4, 15,17	2.5	1.5	1004	20	440	2035	679	396	92	179	109	119	254	184	$5,491
BEN	64	11 - G	105O/1	16-Jul-97	DB, DC	BEN 3-6, 46,61	1.5	1.2	803	11	242	1765	408	237	55	107	65	71	152	111	$4,917
EM	112	6 - B	105O/0	16,17,18, 19-Jul-97	DB-4, MC-2, TM-3.5	EM 30, 32, 65-68, 79, 80, 83-86, 94, 96, 109, 111	9.5	8.2	5486	57	1254	6195	2582	1503	350	680	414	451	965	701	$20,581
ET	16	11 - I	105O/1	30,31/Jul/1997	DC	ET 4,6,8,13	2	1.4	937	17	374	1880	544	316	74	143	87	95	203	148	$4,800
FIDO	64	12 - C	105O/1	15,16,24-Jul-97	3, DC-2, MC-1, XD-1	FIDO 30-32, 39-42,	7	2.8	1873	36	792	4900	1902	1107	258	501	305	333	711	516	$13,199
HER	4	6 - A	105O/0	17,18/Jul/1997	XD	HER 1-4	1.5	1.2	803	12	264	1725	408	237	55	107	65	71	152	111	$3,999
His	4	11 - K	105O/11																		$0
LM	6		105O/11																		$0
MY	150	11 - D,J	105O/1	16,17,29-Jul-97	DB-2, DC, TM	MY 76,78,135-140	4	4.5	3011	25	550	3380	1087	633	148	286	174	190	407	295	$10,160
NID	24	6 - F	105O/06																		$0
WEAS	30	3 - D	105O/0	20,21,25,26,29-Jul-97	DB-4, DC-2	WEAS 25-30, 47, 4	6	7.2	4817	30	660	4040	1631	949	221	430	261	285	610	443	$14,346
YZ	4	6 - E	105O/0	21-Jul-97	DC	YZ 3	1	0.6	401	4	88	1320	272	158	37	72	44	48	102	74	$2,814
Total	**520**						**35**	**28.6**	**19133**	**212**	**4664**	**27240**	**9512**	**5537**	**1291**	**2508**	**1524**	**1663**	**3557**	**2582**	**$79,208**

Note 1: MC = Mike Clarke, Senior Geologist, District Manager of Cyprus Canada Inc; DB = Dave Broughton, Project Geologist; TM =Tom Morgan, Project Geologist; DC = Doug Cruji, Contract Geologist; XD = Xiangdong Jiang, Contract Geologist.
Note 2: A total of 80 man-days and 97.6 helicopter hours were spent in the Hess River area, of which, 35 man-days and 28.6 helicopter hours were spent on the Emerald Lake Project. For other total costs, please see the Statement of Expenditures.

1997 PROSPECTING PROGRAM, EMERALD LAKE PROJECT, YUKON
Statement of Expenditures

On AU Claims

Salaries	
Field: work performed on AU 1-4, 15,17 claims	
1 Contract Geologist (XD Jiang), 2.5 days @ $310/day	$775
1 Field Assistant, 1 day @ $260/day	$260
1 Cook, 1 day @ $200/day	$200
Office:	
1 Geologist for Report Writing, 1 day @ $300/day	$300
1 Draft Person, 2 days @ $250/day	$500
Helicopter, 1.5 hours @ $669/hour (Northern Mountain)	$1,004
Fixed Wing Aircraft, (Total $21742 / 80 mandays) X 2.5 mandays (Summit Air)	$679
Fuel and Supplies, (Total $12,657 / 80 man-days) X 2.5 man-days	$396
Camp Cost, (Total $2,950 / 80 man-days) X 2.5 man-days	$92
Groceries, (Total $5,727 / 80 man-days) X 2.5 man-days	$179
Expediting, (Total $3,483 / 80 man-days) X 2.5 man-days (Kluane Drilling Ltd.)	$109
Satellite Phone and Radios, (Total $3,800 / 80 man-days) X 2.5 man-days (Glentel Inc.)	$119
Sample Shipping and Assay, 20 samples @ $22/sample (Bondar Clegg)	$440
Travel, (Total $8,130 / 80 man-days) X 2.5 man-days	$254
Topo Maps and Mag Data, (Total $5,901 / 80 man-days) X 2.5 man-days (Mag Data by RGI Resource GIS and Imaging Ltd.)	$184
Total	**$5,491**

Assessment credits to be applied as follows:
1 year - AU 1-15, 17, 19, 21, 23-28, 37-42
2 years - AU 16, 18, 20, 22, 29-36

1997 PROSPECTING PROGRAM, EMERALD LAKE PROJECT, YUKON
Statement of Expenditures

On BEN Claims

Salaries	
Field: work performed on BEN 3-6, 46, 61 claims	
1 Project Geologist (D. Broughton), 1 day @ $350/day	$350
1 Contract Geologist (D. Cruji), 0.5 days @ $310/day	$155
1 Field Assistant, 1 day @ $260/day	$260
1 Cook, 1 day @ $200/day	$200
Office:	
1 Geologist for Report Writing, 1 day @ $300/day	$300
1 Draft Person, 2 days @ $250/day	$500
Helicopter, 1.2 hours @ $669/hour (Northern Mountain)	$803
Fixed Wing Aircraft, (Total $21742 / 80 mandays) X 1.5 mandays (Summit Air)	$408
Fuel and Supplies, Total $12,657 / 80 man-days X 1.5 man-days	$237
Camp Cost, (Total $2,950 / 80 man-days) X 1.5 man-days	$55
Groceries, (Total $5,727 / 80 man-days) X 1.5 man-days	$107
Expediting, (Total $3,483 / 80 man-days) X 1.5 man-days (Kluane Drilling Ltd.)	$65
Satellite Phone and Radios, (Total $3,800 / 80 man-days) X 1.5 man-days (Glentel Inc.)	$72
Sample Shipping and Assay, 11 samples @ $22/sample (Bondar Clegg)	$242
Travel, (Total $8,130 / 80 man-days) X 1.5 man-days	$152
Topo Maps and Mag Data, (Total $5,901 / 80 man-days) X 1.5 man-days (Mag Data by RGI Resource GIS and Imaging Ltd.)	$111
Total	**$4,017**

Assessment work credits to be applied as follows:
1 year – BEN 4, 6, 8, 10, 12, 14, 16, 19-32, 35, 37-48, 53, 55, 57, 59, 61, 63

1997 PROSPECTING PROGRAM, EMERALD LAKE PROJECT, YUKON
Statement of Expenditures

On EM Claims

Salaries	
Field: work performed on EM 30,32,79,80,94,96,109,111,65-68,83-88 claims	
1 Senior Geologist (M. Clarke), 2 days @ $650/day	$1,300
2 Project Geologists (D. Broughton, T. Morgan), 7.5 days @ $350/day	$2,625
1 Field Assistant, 2 days @ $260/day	$520
1 Cook, 2 days @ $200/day	$400
Office:	
1 Geologist for Report Writing, 2 days @ $300/day	$600
1 Draft Person, 3 days @ $250/day	$750
Helicopter, 8.2 hours @ $669/hour (Northern Mountain)	$5,486
Fixed Wing Aircraft, (Total $21742 / 80 mandays) X 9.5 mandays (Summit Air)	$2,582
Fuel and Supplies, (Total $12,657 / 80 man-days) X 9.5 man-days	$1,503
Camp Cost, (Total $2,950 / 80 man-days) X 9.5 man-days	$350
Groceries, (Total $5,727 / 80 man-days) X 9.5 man-days	$680
Expediting, (Total $3,483 / 80 man-days) X 9.5 man-days (Kluane Drilling Ltd.)	$414
Satellite Phone and Radios, (Total $3,800 / 80 man-days) X 9.5 man-days (Glentel Inc.)	$451
Sample Shipping and Assay, 57 samples @ $22/sample (Bondar Clegg)	$1,254
Travel, (Total $8,130 / 80 man-days) X 9.5 man-days	$965
Topo Maps and Mag Data, (Total $5,901 / 80 man-days) X 9.5 man-days (Mag Data by RGI Resource GIS and Imaging Ltd.)	$701
Total	**$20,581**

Assessment work credits to be applied as follows:
2 years – EM 7-12, 14, 23-32, 36-48, 50-112
1 year – EM 1-6, 13, 15-22, 33-35, 49

1997 PROSPECTING PROGRAM, EMERALD LAKE PROJECT, YUKON
Statement of Expenditures

On ET Claims

Salaries	
Field: work performed on ET 4,6,8,13 claims	
1 Contract Geologist (D. Cruji), 2 days @ $310/day	$620
1 Field Assistant, 1 day @ $260/day	$260
1 Cook, 1 day @ $200/day	$200
Office:	
1 Geologist for Report Writing, 1 day @ $300/day	$300
1 Draft Person, 2 days @ $250/day	$500
Helicopter, 1.4 hours @ $669/hour (Northern Mountain)	$936
Fixed Wing Aircraft, (Total $21742 / 80 mandays) X 2 mandays (Summit Air)	$544
Fuel and Supplies, (Total $12,657 / 80 man-days) X 2 man-days	$316
Camp Cost, (Total $2,950 / 80 man-days) X 2 man-days	$74
Groceries, (Total $5,727 / 80 man-days) X 2 man-days	$143
Expediting, (Total $3,483 / 80 man-days) X 2 man-days (Kluane Drilling Ltd.)	$87
Satellite Phone and Radios, (Total $3,800 / 80 man-days) X 2 man-days (Glentel Inc.)	$95
Sample Shipping and Assay, 17 samples @ $22/sample (Bondar Clegg)	$374
Travel, (Total $8,130 / 80 man-days) X 2 man-days	$203
Topo Maps and Mag Data, (Total $5,901 / 80 man-days) X 2 man-days (Mag Data by RGI Resource GIS and Imaging Ltd.)	$148
Total	**$4,800**

Assessment work credits to be applied as follows:
3 years - ET 1-16

1997 PROSPECTING PROGRAM, EMERALD LAKE PROJECT, YUKON
Statement of Expenditures

On FIDO Claims

Salaries	
Field: work performed on FIDO 30-32, 39-42, 47 claims	
1 Senior Geologist (M. Clarke), 1 day @ $650/day	$650
1 Project Geologist (D. Broughton), 3 days @ $350/day	$1,050
2 Contract Geologists (XD Jiang, D. Cruji), 3 days @ $310/day	$930
1 Field Assistant, 2 days @ $260/day	$520
1 Cook, 2 days @ $200/day	$400
Office:	
1 Geologist for Report Writing, 2 days @ $300/day	$600
1 Draft Person, 3 days @ $250/day	$750
Helicopter, 2.8 hours @ $669/hour (Northern Mountain)	$1,873
Fixed Wing Aircraft, (Total $21742 / 80 mandays) X 7 mandays (Summit Air)	$1,902
Fuel and Supplies, (Total $12,657 / 80 man-days) X 7 man-days	$1,108
Camp Cost, (Total $2,950 / 80 man-days) X 7 man-days	$258
Groceries, (Total $5,727 / 80 man-days) X 7 man-days	$501
Expediting, (Total $3,483 / 80 man-days) X 7 man-days (Kluane Drilling Ltd.)	$305
Satellite Phone and Radios, (Total $3,800 / 80 man-days) X 7 man-days (Glentel Inc.)	$333
Sample Shipping and Assay, 36 samples @ $22/sample (Bondar Clegg)	$792
Travel, (Total $8,130 / 80 man-days) X 7 man-days	$711
Topo Maps and Mag Data, (Total $5,901 / 80 man-days) X 7 man-days (Mag Data by RGI Resource GIS and Imaging Ltd.)	$516
Total	**$13,199**

Assessment work credits to be applied as follows:
2 years – FIDO 1-29, 31-38, 40, 42-64
3 years – FIDO 30, 39, 41

1997 PROSPECTING PROGRAM, EMERALD LAKE PROJECT, YUKON
Statement of Expenditures

On HER Claims

Salaries	
Field: work performed on HER 1-4 claims	
1 Contract Geologist (XD Jiang), 1.5 days @ $310/day	$465
1 Field Assistant, 1 day @ $260/day	$260
1 Cook, 1 day @ $200/day	$200
Office:	
1 Geologist for Report Writing, 1 day @ $300/day	$300
1 Draft Person, 2 days @ $250/day	$500
Helicopter, 1.2 hours @ $669/hour (Northern Mountain)	$803
Fixed Wing Aircraft, (Total $21742 / 80 mandays) X 1.5 mandays (Summit Air)	$408
Fuel and Supplies, (Total $12,657 / 80 man-days) X 1.5 man-days	$237
Camp Cost, (Total $2,950 / 80 man-days) X 1.5 man-days	$55
Groceries, (Total $5,727 / 80 man-days) X 1.5 man-days	$107
Expediting, (Total $3,483 / 80 man-days) X 1.5 man-days (Kluane Drilling Ltd.)	$65
Satellite Phone and Radios, (Total $3,800 / 80 man-days) X 1.5 man-days (Glentel Inc.)	$72
Sample Shipping and Assay, 12 samples @ $22/sample (Bondar Clegg)	$264
Travel, (Total $8,130 / 80 man-days) X 1.5 man-days	$152
Topo Maps and Mag Data, (Total $5,901 / 80 man-days) X 1.5 man-days (Mag Data by RGI Resource GIS and Imaging Ltd.)	$111
Total	**$3,999**

Assessment work credits to be applied as follows:
4 years – HER 1, 2, 3, 4

1997 PROSPECTING PROGRAM, EMERALD LAKE PROJECT, YUKON
Statement of Expenditures

On MY Claims

Salaries	
Field: work performed on MY 76,78, 135-140 claims	
2 Project Geologists (D. Broughton, T. Morgan), 3 days @ $350/day	$1,050
1 Contract Geologist (D. Cruji), 1 days @ $310/day	$310
1 Field Assistant, 2 days @ $260/day	$520
1 Cook, 2 days @ $200/day	$400
Office:	
1 Geologist for Report Writing, 2 days @ $300/day	$600
1 Draft Person, 2 days @ $250/day	$500
Helicopter, 4.5 hours @ $669/hour (Northern Mountain)	$3,010
Fixed Wing Aircraft, (Total $21742 / 80 mandays) X 4 mandays (Summit Air)	$1,087
Fuel and Supplies, (Total $12,657 / 80 man-days) X 4 man-days	$633
Camp Cost, (Total $2,950 / 80 man-days) X 4 man-days	$148
Groceries, (Total $5,727 / 80 man-days) X 4 man-days	$286
Expediting, (Total $3,483 / 80 man-days) X 4 man-days (Kluane Drilling Ltd.)	$174
Satellite Phone and Radios, (Total $3,800 / 80 man-days) X 4 man-days (Glentel Inc.)	$190
Sample Shipping and Assay, 25 samples @ $22/sample (Bondar Clegg)	$550
Travel, (Total $8,130 / 80 man-days) X 4 man-days	$407
Topo Maps and Mag Data, (Total $5,901 / 80 man-days) X 4 man-days (Mag Data by RGI Resource GIS and Imaging Ltd.)	$295
Total	**$10,160**

Assessment work credits to be applied as follows:
1 year – MY 1-15, 23, 25, 27, 29-42, 45, 47-52, 58, 60, 62, 69-80,
– MY 82, 84, 103-115, 117-120, 123-126, 129-132, 135-154

1997 PROSPECTING PROGRAM, EMERALD LAKE PROJECT, YUKON
Statement of Expenditures

On WEAS Claims

Salaries	
Field: work performed on WEAS 25-30, 47, 49 claims	
1 Project Geologist (D. Broughton), 4 days @ $350/day	$1,400
1 Contract Geologist (D. Cruji), 2 days @ $310/day	$620
1 Field Assistant, 2 days @ $260/day	$520
1 Cook, 2 days @ $200/day	$400
Office:	
1 Geologist for Report Writing, 2 days @ $300/day	$600
1 Draft Person, 2 days @ $250/day	$500
Helicopter, 7.2 hours @ $669/hour (Northern Mountain)	$4,817
Fixed Wing Aircraft, (Total $21742 / 80 mandays) X 6 mandays (Summit Air)	$1,630
Fuel and Supplies, (Total $12,657 / 80 man-days) X 6 man-days	$949
Camp Cost, (Total $2,950 / 80 man-days) X 6 man-days	$221
Groceries, (Total $5,727 / 80 man-days) X 6 man-days	$430
Expediting, (Total $3,483 / 80 man-days) X 6 man-days (Kluane Drilling Ltd.)	$261
Satellite Phone and Radios, (Total $3,800 / 80 man-days) X 6 man-days (Glentel Inc.)	$285
Sample Shipping and Assay, 30 samples @ $22/sample (Bondar Clegg)	$660
Travel, (Total $8,130 / 80 man-days) X 6 man-days	$610
Topo Maps and Mag Data, (Total $5,901 / 80 man-days) X 6 man-days (Mag Data by RGI Resource GIS and Imaging Ltd.)	$443
Total	**$14,346**

Assessment work credits to be applied as follows:
4 years – WEAS 1-4, 25-40, 43-48, 50-53

1997 PROSPECTING PROGRAM, EMERALD LAKE PROJECT, YUKON
Statement of Expenditures

On YZ Claims

Salaries	
Field: work performed near YZ 3 claim	
1 Contract Geologist (D. Cruji), 1 day @ $310/day	$310
1 Field Assistant, 1 day @ $260/day	$260
1 Cook, 1 day @ $200/day	$200
Office:	
1 Geologist for Report Writing, 1 day @ $300/day	$300
1 Draft Person, 1 days @ $250/day	$250
Helicopter, 0.6 hours @ $669/hour (Northern Mountain)	$401
Fixed Wing Aircraft, (Total $21742 / 80 mandays) X 1 manday (Summit Air)	$271
Fuel and Supplies, (Total $12,657 / 80 man-days) X 1 man-day	$158
Camp Cost, (Total $2,950 / 80 man-days) X 1 man-day	$36
Groceries, (Total $5,727 / 80 man-days) X 1 man-day	$72
Expediting, (Total $3,483 / 80 man-days) X 1 man-day (Kluane Drilling Ltd.)	$44
Satellite Phone and Radios, (Total $3,800 / 80 man-days) X 1 man-day (Glentel Inc.)	$48
Sample Shipping and Assay, 4 samples @ $22/sample (Bondar Clegg)	$88
Travel, (Total $8,130 / 80 man-days) X 1 man-day	$102
Topo Maps and Mag Data, (Total $5,901 / 80 man-days) X 1 man-day (Mag Data by RGI Resource GIS and Imaging Ltd.)	$74
Total	**$2,614**

Assessment work credits to be applied as follows:
4 years – YZ 1, 2, 3, 4

NOTE: For complete sample number and gold value data in NTS map sheets 5,6,7,8,10,14 and 15, see Map 1 (this map).
For complete sample number and gold value data in NTS map sheets 3,6,11 & 12, see Maps 3–6 respectively.

CYPRUS SAMPLES COLLECTED SUMMER 1997

Sample Number GOLD VALUES (ppb)

134215 ● 6 – 40
● 41–500
● 501–999
● >1000

–5 Means <5 ppb (below detection limit)

REGIONAL GEOCHEMICAL SURVEY
Geological Survey of Canada Open File 2364
Gold values in stream silt (ppb)

● 0–8
● 8.1–15
● 15.1–22
● 22.1–392

–2 Means <2 ppb (below detection limit)

CYPRUS / ALLIANCE PACIFIC CLAIMS Based on govt. claim maps and Alliance Pacific report

CLAIMS HELD BY OTHERS

6–F TARGET AREAS

INTRUSIVE

ROAD OR TRAIL

DRAINAGE

BORDER (NWT)

AS–96–03 ALLIANCE PACIFIC DRILL HOLE

MINE (PAST PRODUCER)

AIRSTRIP

0 5 10 15 Kilometres

SCALE: 1:125,000

093 827

CYPRUS CANADA INC. (1)
A Cyprus Amax Company

EMERALD LAKE PROJECT – YUKON
MAYO MINING DIVISION

COMPILATION OF 1997 CYPRUS SAMPLING AND REGIONAL GEOCHEMICAL SURVEY RESULTS

Projection: NAD 27, UTM Zone 9, metric
File: d:\drawings\yukon\105o–97–assess.dwg
Date: 05–Mar–98

NTS Sheet: 1050
Checked by: XDJ
Drawn by: PW

Map: 1

132P
64°00'

NOTE: For complete sample number and gold value data in NTS map sheets 5,6,7,8,10,14 and 15, see Map 1 (this map).
For complete sample number and gold value data in NTS map sheets 3,6,11 & 12, see Maps 3–6 respectively.

TOTAL FIELD MAGNETICS SHADED FROM NORTHEAST
−273 −195 −170 −145 −120 −512 nT

0 5 10 15 Kilometres
SCALE: 1:125,000

CYPRUS SAMPLES COLLECTED SUMMER 1997
GOLD VALUES (ppb)
- 6 – 40 Not Shown
- 41–500
- 501–999
- >1000

−5 Means <5 ppb (below detection limit)

REGIONAL GEOCHEMICAL SURVEY
Geological Survey of Canada Open File 2364
Gold values in stream silt (ppb)
- 0–8
- 8.1–15
- 15.1–22
- 22.1–392

−2 Means <2 ppb (below detection limit)

CYPRUS / ALLIANCE PACIFIC CLAIMS Based on govt. claim maps and Alliance Pacific report

CLAIMS HELD BY OTHERS

6–F TARGET AREAS

INTRUSIVE

ROAD OR TRAIL

DRAINAGE

BORDER (NWT)

AS-96-03 ALLIANCE PACIFIC DRILL HOLE

MINE (PAST PRODUCER)

AIRSTRIP

093 827

093 827

CYPRUS CANADA INC.
A Cyprus Amax Company

EMERALD LAKE PROJECT – YUKON
MAYO MINING DIVISION

TOTAL FIELD MAGNETIC IMAGE and REGIONAL GEOCHEMICAL SURVEY RESULTS

Projection: NAD 27, UTM Zone 9, metric
File: d:\drawings\yukon\1050-97-assess.dwg
Date: 05-Mar-98

NTS Sheet: 1050
Checked by: XDJ
Drawn by: PW

Map: 2

63°15' lat
131°30' long

380,000 E

390,000 E

400,000 E

7,010,000 N

7,000,000 N

6,990,000 N

JET

3-D

WEAS

CYP

JET

River

Gold

NUG

63°00' lat
131°30' long

380,000 E

390,000 E

400,000 E

LEGEND

CYPRUS SAMPLES COLLECTED SUMMER 1997

GOLD (ppb)

- 6–40
- 41–500
- 501–999
- >1000

–5 means <5 ppb (below detection limit)

135210 – Sample Number

TZ-96-01 ALLIANCE PACIFIC DRILL HOLE

MINE (PAST PRODUCER)

AIRSTRIP

ROAD OR TRAIL

DRAINAGE

BORDER (NWT)

BORDER OF 50,000 SCALE MAP SHEET 093 & 27

3-D TARGET AREAS

INTRUSIVE

CYPRUS\ALLIANCE PACIFIC CLAIMS

CLAIMS HELD BY OTHERS

0 1 2 3 4 5 Kilometres

SCALE: 1:50,000

CYPRUS CANADA INC.
A Cyprus Amax Company

EMERALD LAKE PROJECT - YUKON
MAYO MINING DIVISION

CYPRUS SAMPLES AND GOLD ASSAYS

NTS SHEET: 1050 - 03

3

NAD 27, UTM Zone 9 Projection
Date: 05–Mar–98
File: d:\drawings\yukon\1050–97–samp–no–assessment.dwg

Checked by: XDJ
Drawn by: PW

Map: 3

63°30' lat
131°30' long

380,000 E

390,000 E

7,040,000 N

400,000 E

Emerald Creek

6-A

HER

6-B

EM

6-E

YZ

NID

6-F

SCOTT

Hess River

Niddery Lake

BRICK

NE

7,030,000 N

7,020,000 N

63°15' lat
131°30' long

LEGEND

CYPRUS SAMPLES COLLECTED SUMMER 1997

GOLD (ppb)

- 6–40
- 41–500
- 501–999
- >1000

–5 means <5 ppb (below detection limit)

135210 – Sample Number

TZ-96-01 ALLIANCE PACIFIC DRILL HOLE

MINE (PAST PRODUCER)

AIRSTRIP

ROAD OR TRAIL

DRAINAGE

BORDER (NWT)

BORDER OF 50,000 SCALE MAP SHEET

3-D TARGET AREAS

INTRUSIVE

CYPRUS\ALLIANCE PACIFIC CLAIMS

CLAIMS HELD BY OTHERS

0 1 2 3 4 5 Kilometres

SCALE: 1:50,000

CYPRUS CANADA INC.
A Cyprus Amax Company

093B2
4

EMERALD LAKE PROJECT - YUKON
MAYO MINING DIVISION

CYPRUS SAMPLES AND GOLD ASSAYS

NTS SHEET: 105O - 06

NAD 27, UTM Zone 9 Projection
Date: 05–Mar–98
File: d:\drawings\yukon\105o–97–samp–no–assessment.dwg

Checked by: XDJ
Drawn by: PW

Map: 4

380,000 E

390,000 E

400,000 E

7,070,000 N

7,050,000 N

63°30' lat
131°30' long

NEW

OLD

NEW

CABIN

11-G

BEN

11-I

ET

Old Cabin Creek

Arrowhead Lake

Arrowhead Pass

Rogue River

AU

11-C

SYB

AS-96-03

AS-96-02

AS-96-01

LM

FAN

MY

11-J

SCEPTRE

XDD

BEE

MY

BEE

ROG

11-K

HIS

Emerald Lake

6-A

HER

LEGEND

CYPRUS SAMPLES COLLECTED SUMMER 1997

GOLD (ppb)

- 6–40
- 41–500
- 501–999
- >1000

–5 means <5 ppb (below detection limit)

135210 – Sample Number

TZ-96-01 ALLIANCE PACIFIC DRILL HOLE

MINE (PAST PRODUCER)

AIRSTRIP

ROAD OR TRAIL

DRAINAGE

BORDER (NWT) 093 827

BORDER OF 50,000 SCALE MAP SHEET

3-D TARGET AREAS

INTRUSIVE

CYPRUS\ALLIANCE PACIFIC CLAIMS

CLAIMS HELD BY OTHERS

0 1 2 3 4 5 Kilometres

SCALE: 1:50,000

CYPRUS CANADA INC.
A Cyprus Amax Company

EMERALD LAKE PROJECT - YUKON
MAYO MINING DIVISION

CYPRUS SAMPLES AND GOLD ASSAYS

NTS SHEET: 105O - 11

NAD 27, UTM Zone 9 Projection
Date: 05–Mar–98
File: d:\drawings\yukon\105o–97–samp–no–assessment.dwg

Checked by: XDJ
Drawn by: PW

Map: 5

360,000 E

370,000 E

7,070,000 N

7,050,000 N

Rogue River

Old Cabin Creek

NEW

OLD

NEW

CABIN

KAT

12-C

FIDO

PN-96-01,02,03

PN-96-04,05,06

P.S.W.

P.S.W.

PLATA

INCA

PLATA

AG

AG

ROG

CAMP

63°30' lat

131°30' long

LEGEND

CYPRUS SAMPLES COLLECTED SUMMER 1997

GOLD (ppb)

- 6–40
- 41–500
- 501–999
- >1000

–5 means <5 ppb (below detection limit)

135210 – Sample Number

TZ-96-01 ALLIANCE PACIFIC DRILL HOLE

MINE (PAST PRODUCER)

AIRSTRIP

ROAD OR TRAIL

DRAINAGE

BORDER (NWT)

BORDER OF 50,000 SCALE MAP SHEET

3-D TARGET AREAS

INTRUSIVE

CYPRUS\ALLIANCE PACIFIC CLAIMS

CLAIMS HELD BY OTHERS

0 1 2 3 4 5 Kilometres

SCALE: 1:50,000

CYPRUS CANADA INC.
A Cyprus Amax Company

093A27
6

EMERALD LAKE PROJECT - YUKON
MAYO MINING DIVISION

CYPRUS SAMPLES AND GOLD ASSAYS

NTS SHEET: 105O - 12

NAD 27, UTM Zone 9 Projection
Date: 05–Mar–98
File: d:\drawings\yukon\105o–97–samp–no–assessment.dwg

Checked by: XDJ
Drawn by: PW

Map: 6