

# ARCHER, CATHRO

& ASSOCIATES (1981) LIMITED

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## ASSESSMENT REPORT

describing

## GEOLOGICAL MAPPING, GEOCHEMICAL SURVEY

## AND HAND TRENCHING

on the

### HP CLAIMS

HP 1 Fr	YB46381
2-20	YB46382-YB46400
21-31	YB47301-YB47311

NTS 105I/6

Latitude 62°29'N and Longitude 129°12'W

in the

Watson Lake Mining District  
Yukon Territory

Prepared by

Archer, Cathro & Associates (1981) Limited

for

**EXPATRIATE RESOURCES LTD.**

by

R.F. Gish, B.Sc.  
January, 2000



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 \$ 15,500.

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

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## INTRODUCTION

The HP property is owned by Expatriate Resources Ltd. and is located in the Howards Pass District along the Yukon side of the Yukon-Northwest Territories border. The district hosts two known sedimentary exhalative zinc-lead deposits and a number of showings that are associated with a laterally extensive horizon, referred to as the Active Member. The HP claims cover the northeastern limb of a syncline that contains the Active Member and hosts the XY Deposit owned by Placer Dome Inc. and USX Corporation.

The 1999 exploration program included claim surveys, geological mapping, grid soil sampling and hand trenching. This work was performed by a two person crew during July and August from a fly camp on the property. The program was managed by Archer, Cathro & Associates (1981) Limited and supervised by the author. The Author's Statement of Qualifications is in Appendix I while the list of personnel who worked on the project appears in Appendix II.

## PROPERTY, LOCATION AND ACCESS

The HP claims are located at the headwaters of Don Creek along the Yukon-Northwest Territories border on NTS map sheet 105I/6 at latitude 62°29'N and longitude 129°12'W (Figure 1).

The property consists of thirty full claims and one fractional claim (Figure 2) registered with the Watson Lake Mining Recorder in the name of Archer, Cathro & Associates (1981) Limited which holds them in trust for Expatriate Resources Ltd. Claim registration data are listed below.

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
HP 1 Fr	YB46381	February 21, 2005
HP 2-20	YB46382-YB46400	February 21, 2005
HP 21-31	YB47301-YB47311	February 21, 2005

\*Expiry dates include 1999 assessment work which has been filed but not yet accepted for credit.

In 1977 an 85 km access road was built to the XY Deposit from Yukon Highway 10 near Cantung. Washouts have rendered this road impassable even to four-wheel drive vehicles. A 600 m long gravel airstrip exists near the XY campsite 2 km south of the property with numerous old cat trails emanating from that point, including one which extends onto the HP claims. These cat trails are in fair condition and passable with an all-terrain vehicle. The nearest permanent communities are Watson Lake, 260 km to the south and Ross River, 175 km to the southwest. Access during the 1999 field season was provided by a Bell 206B Jet Ranger from Trans North Helicopters in Ross River.

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FIGURE 1

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**PROPERTY LOCATION**

**HP PROPERTY**

SCALE 1:5,000,000

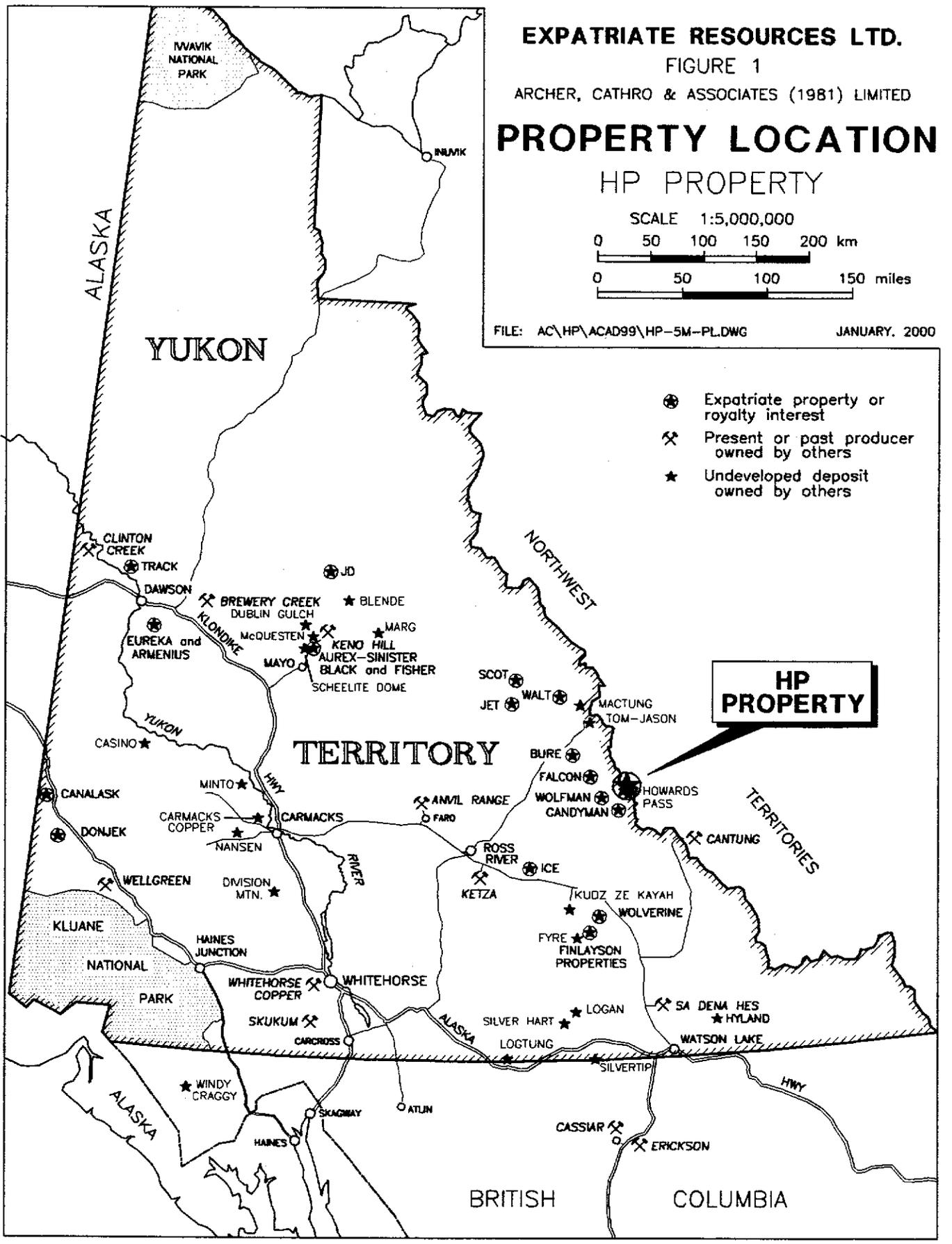
0 50 100 150 200 km

0 50 100 150 miles

FILE: AC\HP\ACAD99\HP-5M-PL.DWG

JANUARY, 2000

- ⊕ Expatriate property or royalty interest
- ⌘ Present or past producer owned by others
- ★ Undeveloped deposit owned by others



**HP PROPERTY**

## HISTORY

The mineral potential of the Howards Pass District was recognized in 1972 after four years of reconnaissance mapping and sampling by Canex Aerial Exploration Ltd., a predecessor company of Placer Dome Canada Inc.

Canex Placer began an extensive exploration program on the XY Deposit in 1972. In 1975 Canex Placer entered into a joint venture with Essex Minerals Co., a subsidiary of U.S. Steel Corp. to explore the Howards Pass District for zinc and lead. When Canex Placer was dismantled in December 1977 the parent company, Placer Development, took over operation of the XY property. Subsequent exploration along strike to the northwest discovered the Anniv Deposit and OP Zone within the same stratigraphy. An adit was driven into the XY Deposit in 1980 and underground drilling was carried out in 1981. Aside from some environmental reclamation no further work has been conducted on the Placer claims.

The ground now covered by the HP claims was originally staked as the PAS claims in October 1972 by Dynasty Exploration Limited. During 1973 and 1974 Dynasty's exploration included geological mapping, detailed soil sampling, thirteen bulldozer trenches (totalling approximately 1500 m) and four NQ diameter diamond drill holes (totalling 506 m).

The PAS claims were allowed to lapse and were restaked in 1994 by W4 Joint Venture as the HP claims. In 1996 W4 sold the claims to NDU Resources Ltd. which later merged with United Keno Hill Mines Ltd. A 100% interest in the property was purchased by Expatriate from United Keno Hill in fall 1998.

## GEOMORPHOLOGY

The HP property covers moderately rugged terrain of the Selwyn Mountain Range. Creeks draining the property flow into Don Creek which is part of the Yukon River watershed. Mountains in this area are characterized by steep, talus covered slopes with rounded tops. Outcrop is rare except in actively eroding creekcuts because of the recessive nature of the underlying units. Elevations range from 1450 m in the valley on the western edge of the property to over 1900 m in the southwestern and northeastern portions of the claim block. Over 95% of the property lies above treeline. Vegetation consists of black spruce, dwarf birch and willow at the west end of the property, giving way to alpine grass and moss in areas of gentle to moderate relief and lichen on steep slopes or at higher elevations.

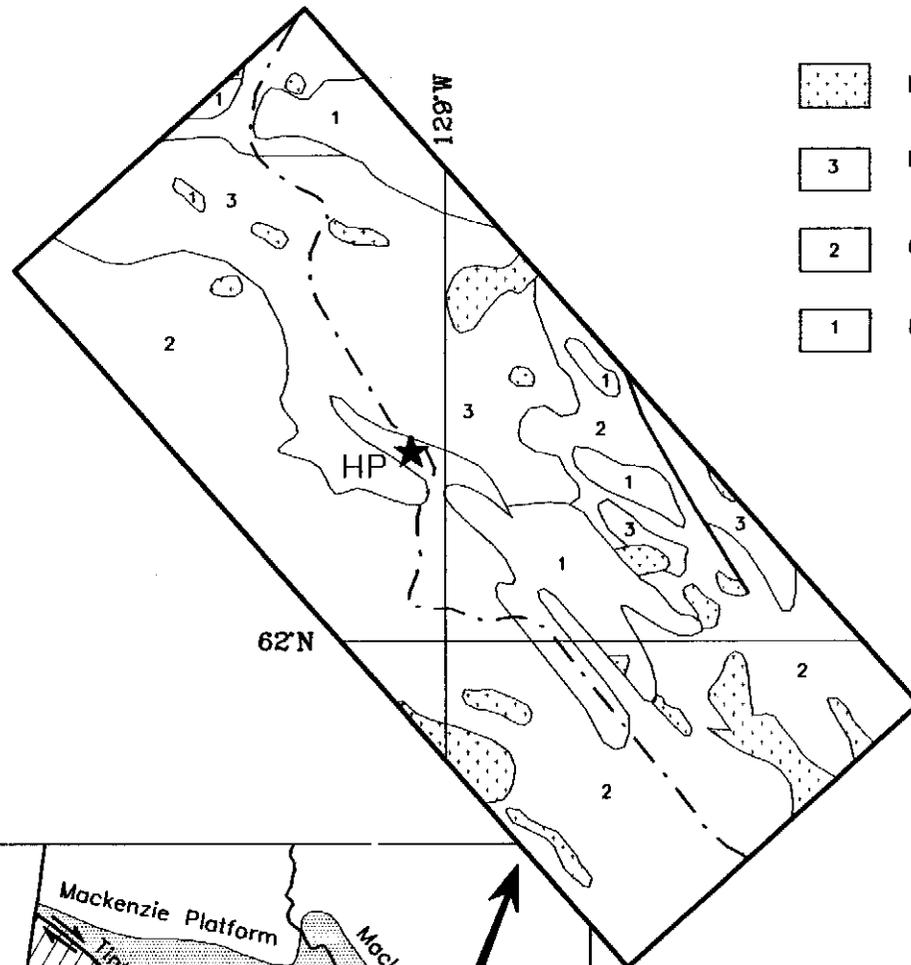
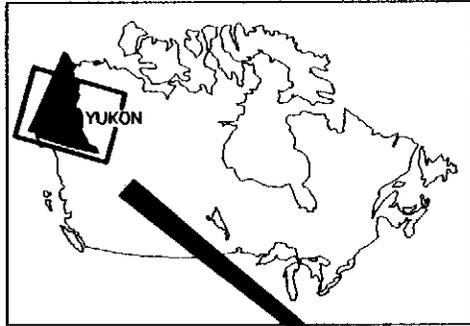
The entire area was covered by ice sheets in Pleistocene times and glacial features are common. Ice movement in the area was toward the west-northwest, subparallel to the stratigraphic trend. Soil development is poor and usually consists of "C" horizon material.

## REGIONAL GEOLOGY

The Howards Pass District lies within Selwyn Basin, a northwest trending belt of deep water off-shelf sedimentation that formed from Lower Ordovician to Lower Devonian time. This elongate depositional trough stretches from the Yukon-Alaska border to northeast British Columbia and is bounded to the north and east by Mackenzie Platform, to the south by Macdonald Platform and to the west by Cassiar Platform and the Tintina Fault Zone (Figure 3).

Selwyn Basin stratigraphy overlies a basement of Upper Proterozoic to Lower Cambrian shale, siltstone and sandstone (Vampire Formation) which were derived primarily from igneous and metamorphic sources on the North American Craton (Table 1). This unit is conformably overlain in the Howards Pass District by massive to wavy banded limestone of the Upper Cambrian to Lower Ordovician Rabbitkettle Formation. The limestone is, in turn, overlain by the Ordovician to Silurian Road River Group which is divided into the Duo Lake Formation and Steel Formation. Duo Lake Formation stratigraphy consists of carbonaceous to siliceous shale, cherty mudstone, limestone and chert while the overlying Steel Formation comprises resistant bioturbated mudstone. From Lower Devonian to Middle Mississippian time, Earn Group turbiditic chert rich, clastic rocks were deposited from uplifted portions of west and central Selwyn Basin. Middle to Late Cretaceous intrusions of the Selwyn Plutonic Suite intrude all lithologies. They are responsible for localization of tungsten skarns (notably at Cantung and Mactung) as well as intrusive hosted and hornfels gold vein and stockwork mineralization in the Macmillan Pass area (Gordey and Anderson, 1993).

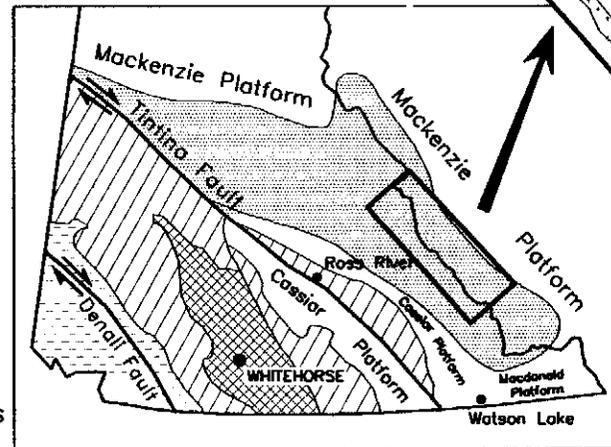
Extensional tectonism and rifting in the Howards Pass region is believed to have been initiated in Middle Ordovician times. This is marked by the transition from shallow water deposition of the Rabbitkettle Formation limestone to the basinal Duo Lake Formation shale. Active tectonism in Selwyn Basin continued throughout the Paleozoic. Early Cretaceous northeast-southwest compression led to northwest trending decollement style folds and minor thrusts (Gordey and Anderson, 1993). The regional metamorphic grade in the sedimentary rocks is lower greenschist facies.



-  Mid-Cretaceous granitic intrusions
-  Devonian–Mississippian clastic sediments
-  Cambrian–Devonian basin shales, shelf carbonate sediments
-  Upper Proterozoic clastic sediments

SCALE 1:2,000,000  
 0 50  
 km

-  Coastal and Insular Belts
-  Intermontane Belt
-  Yukon–Tanana Terrane and Slide Mountain Terrane
-  Selwyn Basin
-  Continental Platform Sediments



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FIGURE 3  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**REGIONAL GEOLOGY**  
 HP PROPERTY

**TABLE 1**  
**REGIONAL STRATIGRAPHY**  
(after Gordey and Anderson, 1993)

**MESOZOIC**

**MIDDLE TO LATE CRETACEOUS**

**SELWYN PLUTONIC SUITE:** white to mottled white to grey weathering, mafic poor to moderately mafic, biotite granite or granodiorite stocks and batholiths

**PALEOZOIC**

**DEVONIAN AND MISSISSIPPIAN**  
**EARN GROUP**

***UPPER DEVONIAN TO MID-MISSISSIPPIAN***

**PREVOST FORMATION:** brown weathering shale, minor chert-quartz sandstone

***LOWER TO UPPER DEVONIAN***

**PORTRAIT LAKE FORMATION:** black, gun blue and bluish white weathering, black siliceous shale; thin to medium bedded black chert

**ORDOVICIAN AND SILURIAN**  
**ROAD RIVER GROUP**

***UPPER SILURIAN***

**STEEL FORMATION:** orange weathering, resistant, thick bedded, dolomitic, silty grey burrowed mudstone with locally abundant small pyrite cubes

***LOWER ORDOVICIAN TO MIDDLE SILURIAN***

**DUO LAKE FORMATION:** black, gun-blue, or silvery-white weathering, recessive black shale and minor thin interbeds of fine crystalline black limestone and black chert

**CAMBRIAN AND ORDOVICIAN**

***UPPER CAMBRIAN AND LOWER ORDOVICIAN***

**RABBITKETTLE FORMATION:** white to buff weathering, laminated or thin bedded, fine crystalline, locally nodular, blue-grey limestone; local volcanic tuff

**PROTEROZOIC AND PALEOZOIC**

***UPPER PROTEROZOIC AND LOWER CAMBRIAN***

**VAMPIRE FORMATION:** dark brown to rusty weathering, thin to thick bedded, greenish grey shale, siltstone and very fine grained quartz sandstone

## **ECONOMIC GEOLOGY OF THE HOWARDS PASS DISTRICT**

The Howards Pass District hosts large sub-basin, platform-marginal stratiform zinc-lead deposits (Figure 4). Geochemical data suggests that additional deposits remain to be discovered along the 35 km long stratigraphic trend. The entire area of favourable stratigraphy has been staked by three groups. The XY, Anniv and OP properties are owned by Placer Dome and US Steel, the HP, Nod and Pot properties are owned by Expatriate and the CMC property is owned by Cominco Ltd. The XY and Anniv Deposits have an indicated geological resource of 110.5 million tonnes grading 7.7% combined zinc and lead plus an inferred resource in excess of 374 million tonnes (Ditson, 1994). Advanced exploration has modelled the XY and Anniv Deposits as probably occurring in separate sub-basins along the base of a paleoslope (Morganti, 1979). The Anniv Deposit is approximately 22 km northwest of the XY Deposit. To date the area between the deposits (the Nod property) has not been drilled to determine if other mineralized sub-basins are present.

### **XY Deposit**

The XY Deposit occurs on the southwestern limb of a syncline. Most of the deposit lies beneath a ridge which parallels the northwest-southeast trending fold axis. Dimensions of the deposit, as defined to date, are 7.5 km in a northwest-southeast direction by 2.5 km across the syncline or about 5 km wide if the deposit is unfolded. Indicated resource estimates for the deposit are 55 million tonnes of 8.26% combined zinc and lead. In addition, inferred estimates include 113 million tonnes of a similar grade.

Relatively deep drilling in 1976 returned spectacular results from what is probably a higher grade core of the deposit toward the keel of the syncline. Hole 76-66 intersected 10.7 m containing 20.0% zinc and 16.1% lead at a depth of 242 m while hole 76-80 intersected 7.6 m grading 25.0% zinc and 23.1% lead at a depth of 329 m. A higher grade core of eight million tonnes grading 10.6% zinc and 5.5% lead is reported to exist within the XY Deposit (Ditson, 1994).

### **Anniv Deposit**

The Anniv Deposit occurs within a complexly folded and faulted stratigraphic sub-basin that is truncated abruptly to the north by a fault. Drilling consisted of 64 holes totalling approximately 12,500 m which were drilled within the 4 km long, 350 m wide area of known mineralization. The indicated resource for this deposit is 55.5 million tonnes of 7.07% combined zinc and lead. Inferred resource estimates for the Anniv Deposit are 261 million tonnes of a similar grade (Ditson, 1994).

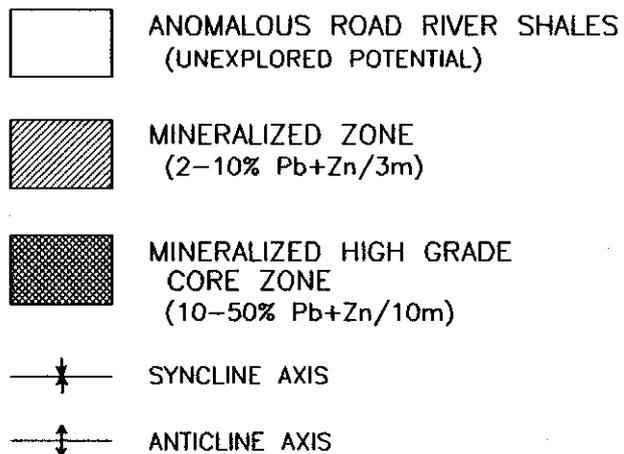
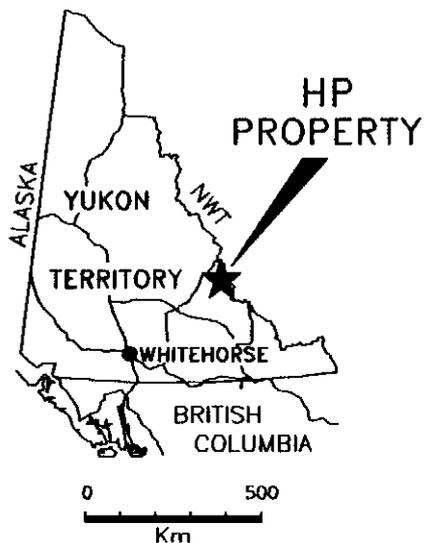
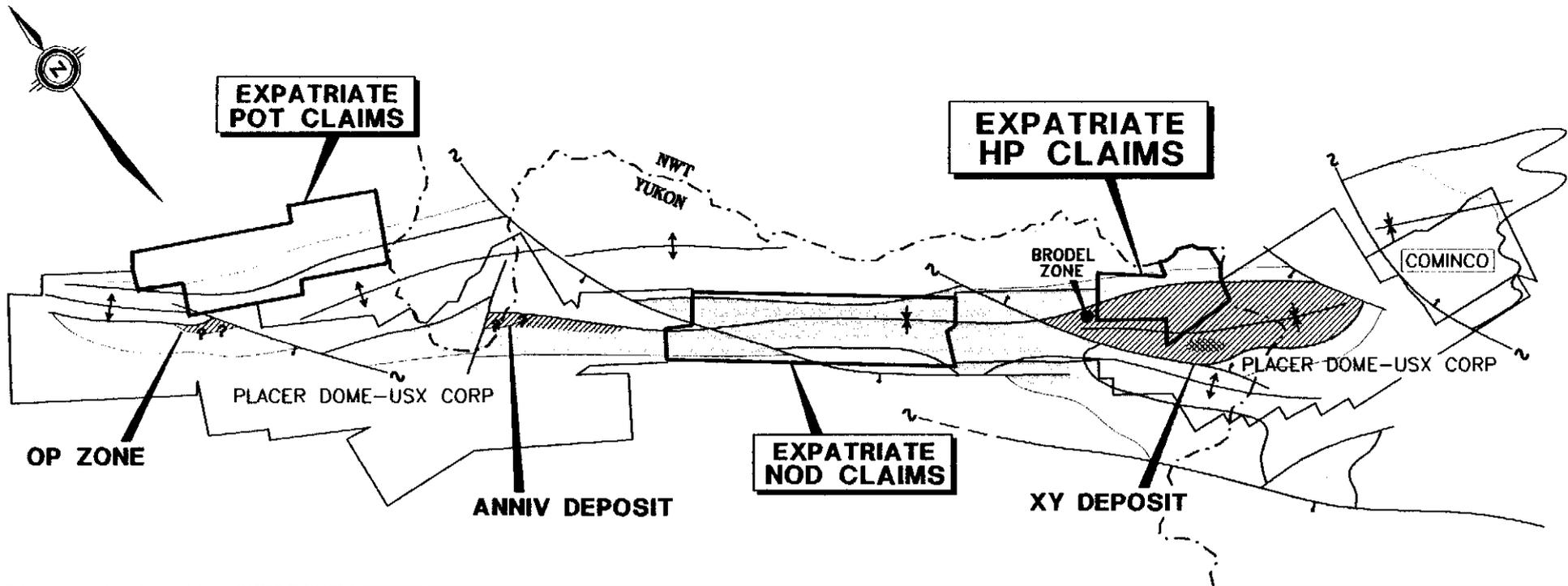
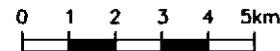


FIGURE 4  
**EXPATRIATE RESOURCES LTD.**  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**HOWARDS PASS  
 ZINC-LEAD DISTRICT**  
 HP PROPERTY



### **OP Zone**

The OP Zone hosts two surface showings within a 1500 m assumed strike length of the Active Member stratigraphy. Nine holes were drilled between the two surface showings. Poor ground conditions were reported as the reason why only two of the nine holes intersected the Active Member. One hole returned 4.7 m of 5.13% combined zinc and lead while the other hole intersected only barren limestone (Ditson, 1994). The OP Zone is open along strike to the northwest and downdip to the southwest.

### **HP Property**

The HP property covers the northeastern limb of the mineralized syncline hosting the XY Deposit (Figure 5). In 1974, four drill holes totalling 504 m were drilled over a 1600 m strike length of Active Member stratigraphy. Hole 74P-1 intersected 6.1 m of 2.7% zinc and 1.0% lead while 74P-2 intersected 6.1 m of 2.9% zinc and 0.8% lead (Adamson, 1974). Although values are lower than those encountered within the XY Deposit, there remains good potential for higher grades downdip toward the core of the syncline. A more complete description of the mineralization appears in the Property Geology and Mineralization section of this report.

### **Nod Property**

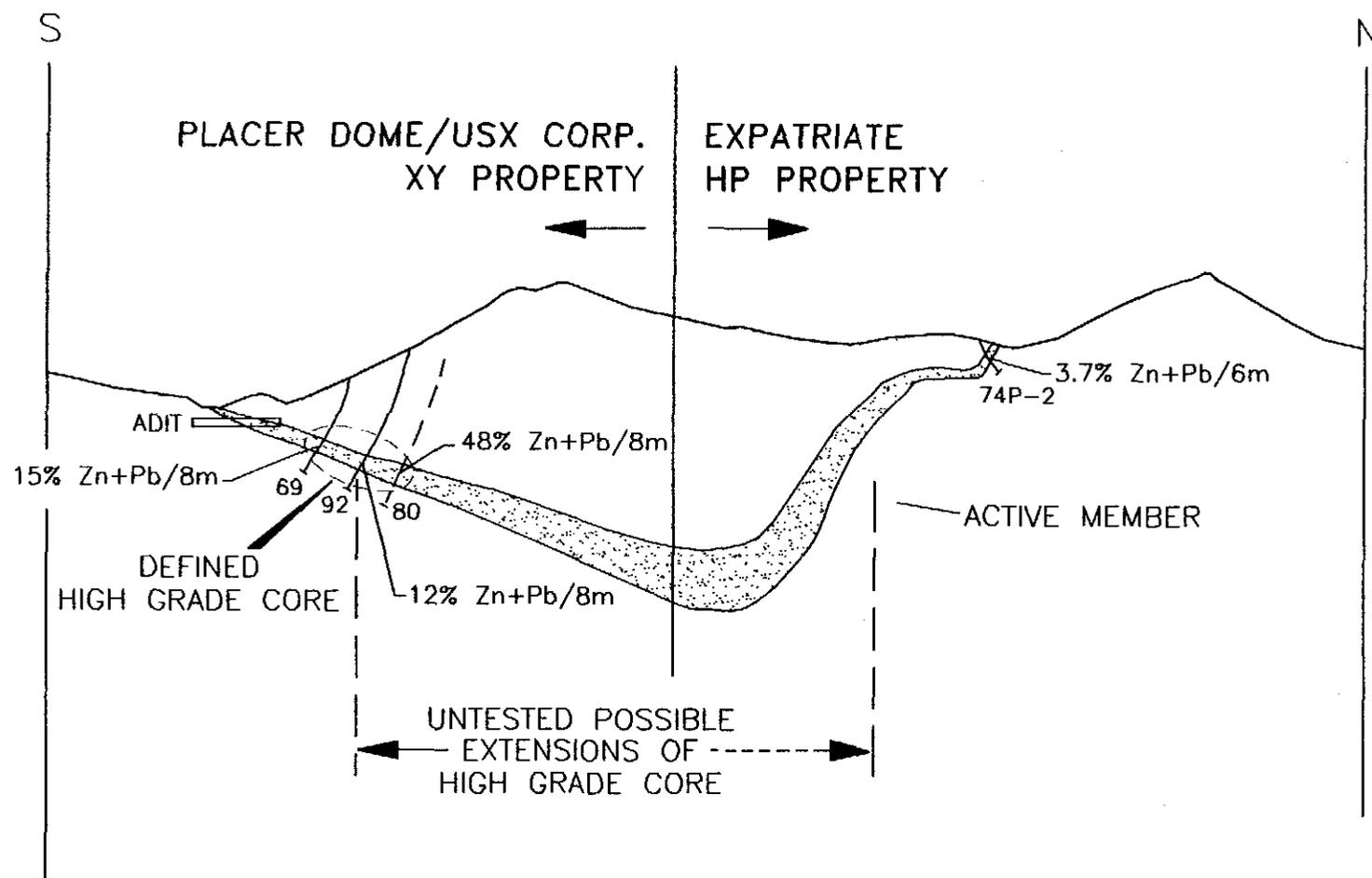
The Nod property covers a 7.5 by 1.8 km area between the XY and Anniv Deposits. Although this area contains favourable stratigraphy, it has received relatively little work in the past. Silt sampling in 1994 returned values up to 5210 ppm zinc while 1999 soil sample values included 8550 ppm zinc and 4630 ppm lead (Gish, 2000). The Nod claim block straddles the syncline which hosts the XY Deposit 3 km to the southeast and the Anniv Deposit 1 km to the northwest.

### **Pot Property**

The Pot property lies north and east of the OP Zone. Mineralized Active Member strata at the OP Zone projects onto the Pot property. Widely spaced silt samples taken from the property returned anomalous zinc values (>1000 ppm) over a distance of 4.5 km.

### **CMC Property**

The CMC property covers stratiform mineralization in both the Duo Lake and Portrait Lake Formations. Trench samples from Duo Lake stratigraphy returned 0.23% lead and 0.02% zinc over 1.5 m. Grab samples 15 m upsection from the trench assayed 2.95% lead and 1.5% zinc. Geological mapping delineated an 8 m thick barite unit within the Portrait Lake Formation (Gordey and Anderson, 1993).



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FIGURE 5  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**NORTH-SOUTH CROSS SECTION  
 THROUGH THE XY DEPOSIT  
 AND HP PROPERTY**

## **PROPERTY GEOLOGY AND MINERALIZATION**

Four stratigraphic packages are recognized on the HP property, as shown on Figure 6 and Table 2. These are: 1) Rabbitkettle Formation limestone; 2) Duo Lake Formation siliceous, calcareous and graptolitic shales, cherty mudstone, chert and limestone; 3) Steel Formation dolomitic mudstone; and, 4) Portrait Lake Formation shale and chert. The Active Member lies within the Duo Lake Formation. Structures on the property include a northwest-southeast trending anticline and several faults which strike approximately perpendicular to bedding. The following lithological descriptions are based primarily on 1999 field observation by the author and work done by G.D. House on the Howards Pass Deposits (House, 1980).

### **Rabbitkettle Formation**

The oldest strata exposed on the HP property consists of the Upper Cambrian and Lower Ordovician Rabbitkettle Formation (Unit  $\epsilon O_R$ ). This unit comprises thin bedded and laminated, finely crystalline, nodular, blue-grey limestone. It weathers to a distinctive thin bedded "wavy banded" appearance with alternating light grey and light brown beds, the latter forming distinctive flat pebble-like fragments where they are disrupted by axial plane cleavage. Rabbitkettle Formation stratigraphy is exposed in the northern part of the property where it forms the core of the trending anticline.

### **Duo Lake Formation**

Duo Lake Formation lithologies (Units  $OS_{DL}$ ,  $OS_{DA}$ ,  $OS_{DS}$  overlie the Rabbitkettle Formation and consist of: the Lower Shale Unit, Active Member and Siliceous Shale Unit. All three units outcrop through the centre of the property striking approximately northwest and dipping to the southwest.

The Lower Shale Unit (Unit  $OS_{DL}$ ) consists primarily of recessive, calcareous to siliceous, dark grey to black shale with minor thin bedded chert. Silica content of the shales increases upsection as carbonate content decreases. This unit outcrops along the headwaters of Don Creek as black calcareous shale, often with hydrozincite staining on fractures.

The Active Member (Unit  $OS_{DA}$ ) is the most economically significant lithology in the Howards Pass District because it hosts the zinc and lead deposits. Mineralization occurs most commonly in the upper and middle sections of this heterogeneous package. There are eight different lithological facies within the Active Member (Table 3) but their thickness, position within the sequence and number of repetitions within the sequence are highly variable. Rapid changes in facies are best explained by disruptions of beds by soft sediment slumping or later structural displacement. Correlation between detailed lithological units within the Active Member are difficult (House, 1980). Stratigraphy comprises primarily intercalated mudstone, limestone and chert with a general trend of increasing silica and decreasing carbonate upsection. Sulphide mineralization consists of fine grained sphalerite, galena and minor pyrite.

**TABLE 2**  
**PROPERTY STRATIGRAPHY**  
(after House, 1980)

**DEVONIAN AND MISSISSIPPIAN**  
**UPPER EARN GROUP**

***UPPER DEVONIAN TO MIDDLE MISSISSIPPIAN***

PREVOST FORMATION: brown weathering shale, minor chert-quartzite sandstone (DMP)

**LOWER EARN GROUP**

***LOWER TO UPPER DEVONIAN***

PORTRAIT LAKE FORMATION: dark to light grey, tan and bluish white weathering, dark grey to black, carbonaceous to siliceous shale and thin bedded chert (DP)

**ORDOVICIAN AND SILURIAN**  
**ROAD RIVER GROUP**

***LOWER ORDOVICIAN TO MIDDLE SILURIAN***  
**DUO LAKE FORMATION**

Siliceous Shale Unit: light grey to black weathering, recessive graptolitic black shale with chert and minor fine crystalline limestone (OS<sub>DS</sub>)

Active Member: intercalated mudstone, limestone and chert; sulphide mineralization consists of fine grained sphalerite, galena and minor pyrite (OS<sub>DA</sub>)

Lower Shale Unit: recessive, calcareous to siliceous, dark grey to black shale with minor thin bedded chert (OS<sub>DL</sub>)

**CAMBRIAN AND ORDOVICIAN**

***UPPER CAMBRIAN AND LOWER ORDOVICIAN***

RABBITKETTLE FORMATION: alternating light grey and light brown weathering, thin bedded to laminated, fine crystalline nodular blue-grey limestone (EO<sub>R</sub>)

The Siliceous Shale Unit (Unit OS<sub>DS</sub>) contains light grey to black weathering recessive graptolitic black shale with chert and minor fine crystalline limestone.

### Steel Formation

Upper Silurian Steel Formation (Unit S<sub>S</sub>) strata overlie the Duo Lake Formation. The Steel Formation which forms a distinctive marker horizon consists of orange weathering, resistant, thick bedded, dolomitic silty burrowed mudstone. On fresh surfaces the rock is a light blue-grey typically with pyrite cubes up to 5 mm. The distinctive orange weathering penetrates into the rock surface up to 5 mm and is caused by the oxidation of pyrite in the rock. This unit forms cliffs at the north end of a ridge in the western part of the property.

### TABLE 3 STRATIGRAPHY OF AN IDEALIZED CYCLE WITHIN THE ACTIVE MEMBER ON THE HOWARDS PASS DISTRICT

(Morganti, 1974)

**Grey Chert** - light grey laminated chert

**Whitish Grey Zinc-Lead Mudstone** - "Sulphidite" - light grey laminated chert with up to 50% zinc and lead present as sphalerite and galena plus up to 5% framboidal pyrite; water escape structures are common

**Thin Bedded Cherty Mudstone** - mixture of fine grained sulphide rich mudstone laminae, soft sediment slumping structures are common, grades up to 25% zinc and lead

**Cherty Mudstone** - dark grey to black siliceous carbonaceous mudstone, a more siliceous variant of "Thin Bedded Cherty Mudstone", lacking limestone laminae but may contain sulphides in both mudstone and chert laminae, grades up to 25% zinc and lead

**Mixed Cherty Mudstone and Limestone** - cherty mudstone and light grey basal limestone, contacts between lithologies are sharp and crosscutting

**Thin Bedded Calcareous Mudstone** - laminated calcareous and carbonaceous mudstone, laminae contain framboidal pyrite and/or sphalerite with traces of galena, slump structures are abundant

**Graded Limestone** - laminated limestone with carbonaceous material on top of laminae

**Light Grey Basal Limestone** - light grey laminated limestone with up to 35% muscovite

## **Portrait Lake Formation**

Lower to Upper Devonian Portrait Lake Formation (Unit DP) of the Lower Earn Group comprise the youngest rocks on the HP property. Locally the Portrait Lake Formation is a sequence of dark to light grey, tan or bluish white weathering, dark grey to black carbonaceous to siliceous shale and thin bedded chert. Cleavage overprints bedding in most outcrops. This unit is exposed along the southern margins of the property and contrasts sharply with the underlying resistant orange weathering Steel Formation.

## **Structure**

Structures in the HP area generally conform to regional patterns consisting of northwest trending open folds. A major northwest plunging anticlinal axis strikes subparallel to the northern property boundary so that most of the claim block is underlain by the southern limb of that fold, which dips toward the synclinal axis on the XY property. A series of tight minor folds have also been observed in drill core and outcrops.

Several faults have been inferred from 1999 mapping and 1974 drilling. The largest is a north trending reverse fault which offsets stratigraphy and truncates the Steel Formation toward the western end of the property. Drill logs report fault zones in all four 1974 holes but most were either fairly small structures or friable strata that yielded poor recovery because there is no apparent disruption in the stratigraphy. The strongest fault was intersected in Trench TR99-2 and underlying drill hole 74P-1.

## **Mineralization**

Sulphide mineralization is contained within the Active Member stratigraphy as very fine grained laminae or as remobilized coarser grained bands up to 1 cm thick which parallel regional cleavage. Remobilization likely occurred during slumping and compaction (House, 1980). Sulphide mineralogy is predominantly sphalerite and galena with less than 5% framboidal pyrite. Gangue primarily consists of chert, limestone and mudstone.

A float specimen of unknown origin was found in a specimen pile at the old Dynasty camp on the HP property (Figure 6). The specimen consists of rust brown weathering, whitish grey zinc-lead mudstone with fine crystalline carbonate. Sulphide mineralogy comprises fine grained sphalerite laminae, fine and coarser grained galena and disseminated framboidal pyrite. A split of the specimen (058187) yielded 11.20% zinc, 9.22% lead, 300 g/t silver, 80 ppm copper, 1040 ppm bismuth and 70 ppb gold. No data is published on bismuth and gold in the Howards Pass Deposits but the lead, zinc, silver and copper results are typical of high grade XY Deposit ore.

A 10 to 15 cm mineralized horizon of Active Member stratigraphy was reportedly discovered by Dynasty in an outcrop along Bear Creek (Figure 6). Two samples across the interval averaged 14.5% zinc, 3.99% lead and 4.1 g/t silver while adjacent footwall rocks returned 1.24% zinc and 0.15% lead over 15 cm (Curry, 1973).

Four shallow holes were drilled in 1974 and all intercepted base metal mineralization. Two holes produced significant intersections, 74P-1 contained 2.7% zinc and 1.0% lead over 6.1 m and 74P-2 contained 2.9% zinc and 0.8% lead over 6.1 m. The mineralized intervals are described as very fine grained pyrite and galena in siliceous limy bands and dark grey, fine laminated siliceous mudstone.

The Brodel Zone is located 50 m west of the HP claim block (Figure 6). It is the northernmost of six zones which make up the XY Deposit. The two holes drilled in the Brodel Zone both intersected Active Member stratigraphy. These intersections included 13.7 m of 3.2% zinc and 0.8% lead.

### **PROPERTY GEOCHEMISTRY**

Grid soil sampling on parts of what is now the HP claim block was first done in August 1973 by Dynasty. This work consisted of 751 soil samples returning peak values of 5800 ppm lead and 9800 ppm zinc (Curry, 1973). The Dynasty sampling covered about half of the HP claim block, as shown on the 1999 geochemistry maps.

Figure 7 illustrates the location of 510 grid soil samples and three rock samples taken during the 1999 field season. Grid control was provided by a 3.2 km slope corrected baseline marked with 1 m high wooden lath bearing aluminum tags inscribed with grid coordinates. Soil samples were collected at 50 m intervals along compass and hip chain lines aligned perpendicular to the baseline and spaced 100 m apart. Sample sites are indicated by 0.5 m lath and aluminum tags showing the grid coordinates and sample numbers.

All samples were sent to Chemex Labs Ltd. in North Vancouver. Soil samples were dried and sieved to -80 mesh then a split was digested in nitric acid-aqua regia and geochemically analyzed for 32 elements using the Induced Coupled Plasma technique. Rock samples were pulverized to -150 mesh and then treated in the same manner as the soil samples. Samples that exceeded detection limits for lead, zinc or silver were subsequently assayed by standard methods.

Certificates of Analysis for the 1999 results appear in Appendix III while rock sample descriptions are in Appendix IV.

### **Results**

Geochemical results are plotted at 1:5000 scale on Figures 8 to 11 for copper, lead, silver and zinc, respectively. Grid soil sample values are ranked by percentile on Table 4 following.

**TABLE 4**  
**GRID SOIL SAMPLES RANKED BY PERCENTILE**  
 (All values in ppm)

	<u>50<sup>th</sup></u>	<u>75<sup>th</sup></u>	<u>90<sup>th</sup></u>	<u>95<sup>th</sup></u>	<u>99<sup>th</sup></u>	<u>Maximum</u>
Copper	56	81	132	166	245	487
Lead	40	86	273	523	5331	17,600
Silver	0.8	1.8	2.7	3.5	6.3	7.2
Zinc	368	760	1521	2231	5170	11,100

Coincident, highly anomalous zinc and lead results trace favourable Active Member stratigraphy across the entire length of the property outlining an anomalous zone approximately 100 m wide and 3.5 km long. The maximum lead value (17,600 ppm) came from this trend in an area that is about 350 m from the closest drill hole. Samples along the Active Member trend were also anomalous for cadmium (76.5 ppm), copper (487 ppm), nickel (504 ppm) and silver (7.6 ppm). These values confirm results of the early sampling done by Dynasty.

A second, less distinct band of anomalous values lies approximately 500 m south and uphill from the Active Member trend. This trend lies on and immediately below Portrait Lake stratigraphy in an area previously not covered by detailed soil sampling. Soil sample BB34065 contained the highest zinc (11,100 ppm), vanadium (1575 ppm), nickel (504 ppm) and cadmium (76.5 ppm) values. Moderately anomalous silver, copper and molybdenum values were also returned from the area. This trend is correlative to intense polymetallic soil geochemistry response associated with Portrait Lake stratigraphy at the Wolfman property, 12.5 km to the west (Gish, 1999).

### HAND TRENCHING

Thirteen bulldozer trenches were cut by Dynasty in 1974. Short intervals in two of the trenches were deepened by pick and shovel in 1999. The locations of the Dynasty and Expatriate trenches are shown on the geochemical maps (Figures 8 to 11).

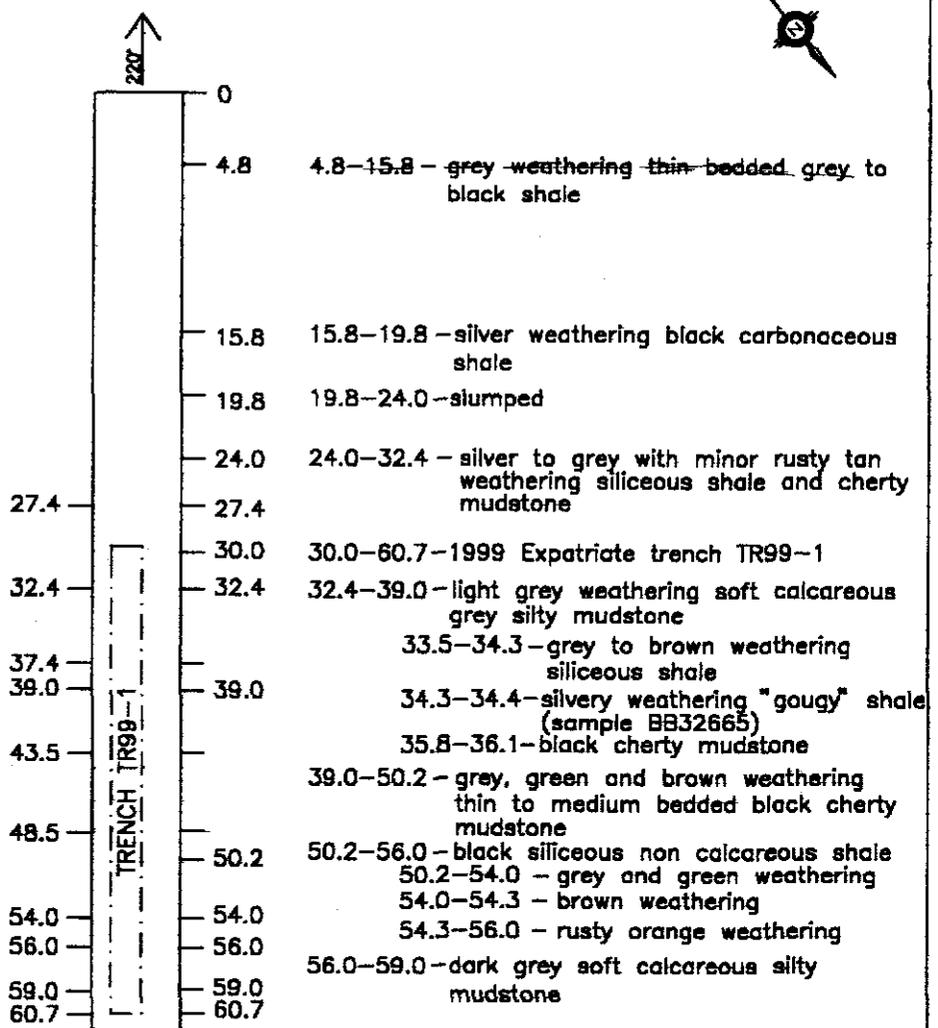
Trench TR99-1 (Figure 12) was cut within Dynasty's Trench T11. The hand trench is 30 m long and was chip sampled for its entire length at 1.6 to 5 m intervals. Bedrock consists primarily of soft calcareous silty mudstone, siliceous shale and cherty argillite of the Lower Shale Unit. Chip sample BB32674 taken from calcareous silty mudstone returned 1.29% zinc and 3680 ppm lead over 3 m.

Trench TR99-2 (Figures 13 and 14) deepened a 19.7 m section of Dynasty Trench T4. TR99-2 is located approximately 38 m up-section from 1974 diamond drill hole 74P-1. Bedrock consists of carbonaceous non-calcareous silty mudstone, soft calcareous silty mudstone, blocky cherty argillite and black shale, all of the Lower Shale Unit. The entire length of the hand trench was chip sampled at 1.7 to 5.5 m intervals. Chip sample BB32720 returned 3.3% lead, 2090 ppm zinc and 5.0 g/t silver over 3.5m. A cross section (Figure 15) showing the relative position of Hole 74P-1 and Trench TR99-2 suggests that although anomalous values were returned from the hand trench it was dug too far forward (up-section) to have exposed the anomalous (21.3 m of 1.37% zinc and 0.48% lead) graphitic chert intersected in the drill hole.

# TRENCH T11



SAMPLE BB32664						
FROM	TO	Ag	Cu	Pb	Zn	Ni
27.4	32.4	0.2	25	88	46	14
SAMPLE BB32665						
FROM	TO	Ag	Cu	Pb	Zn	Ni
34.3	34.4	1.2	86	232	1750	82
SAMPLE BB32666						
FROM	TO	Ag	Cu	Pb	Zn	Ni
32.4	37.4	0.2	14	170	1090	13
SAMPLE BB32667						
FROM	TO	Ag	Cu	Pb	Zn	Ni
37.4	39.0	0.4	76	484	1175	18
SAMPLE BB32668						
FROM	TO	Ag	Cu	Pb	Zn	Ni
39.0	43.5	0.4	18	86	178	15
SAMPLE BB32671						
FROM	TO	Ag	Cu	Pb	Zn	Ni
43.5	48.5	1.0	52	112	188	24
SAMPLE BB32672						
FROM	TO	Ag	Cu	Pb	Zn	Ni
48.5	54.0	0.8	30	148	52	11
SAMPLE BB32673						
FROM	TO	Ag	Cu	Pb	Zn	Ni
54.0	56.0	0.8	138	3150	2470	110
SAMPLE BB32674						
FROM	TO	Ag	Cu	Pb	Zn	Ni
56.0	59.0	0.8	11	3680	1.29%	25
SAMPLE BB32675						
FROM	TO	Ag	Cu	Pb	Zn	Ni
59.0	60.7	1.2	34	8450	2250	18



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FIGURE 12

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

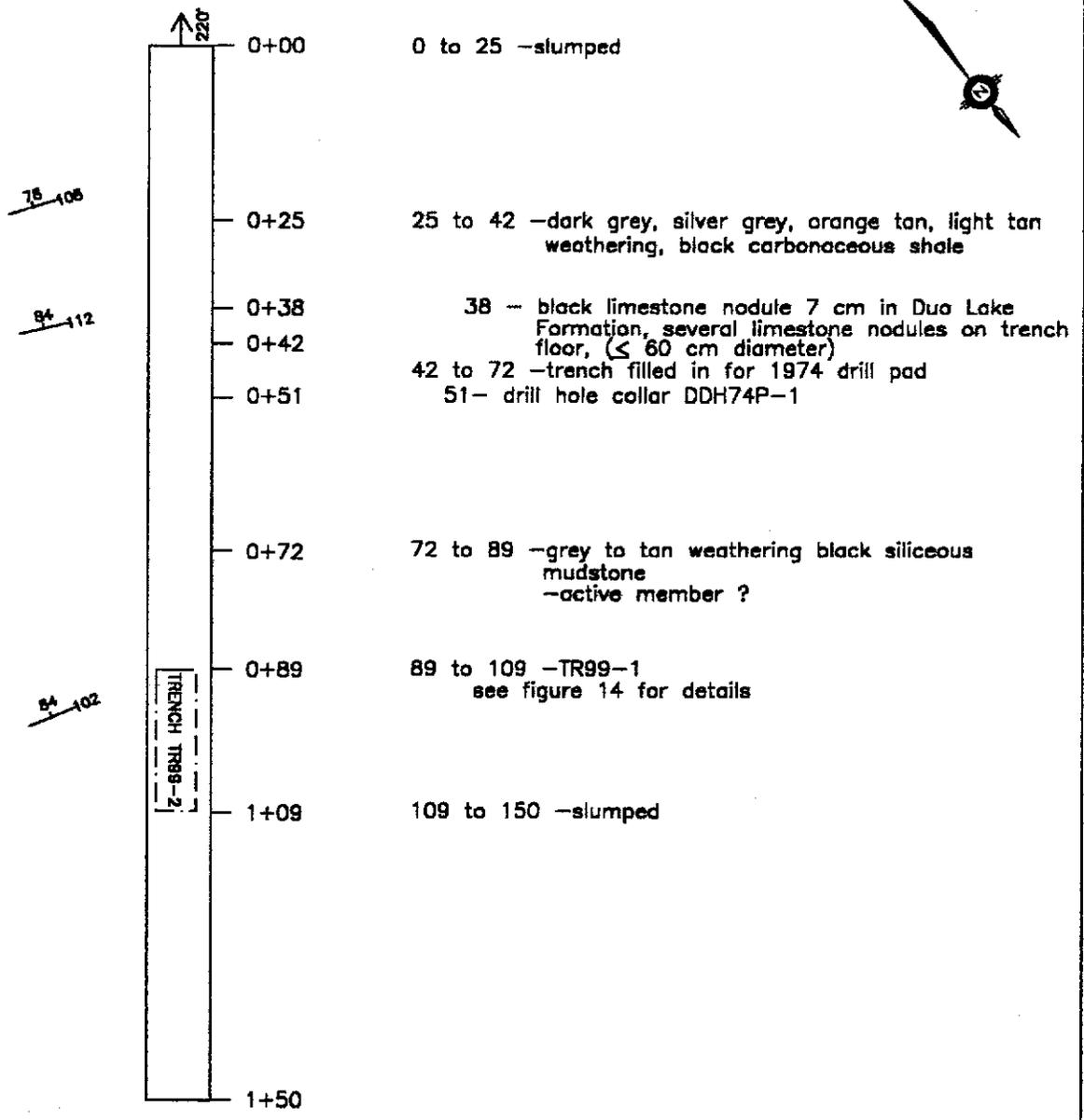
# TRENCHES T11 & TR99-1

HP PROPERTY

SCALE 1:500

0 5 10 15 20 25 m

TRENCH T4



**EXPATRIATE RESOURCES LTD**

FIGURE 13

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

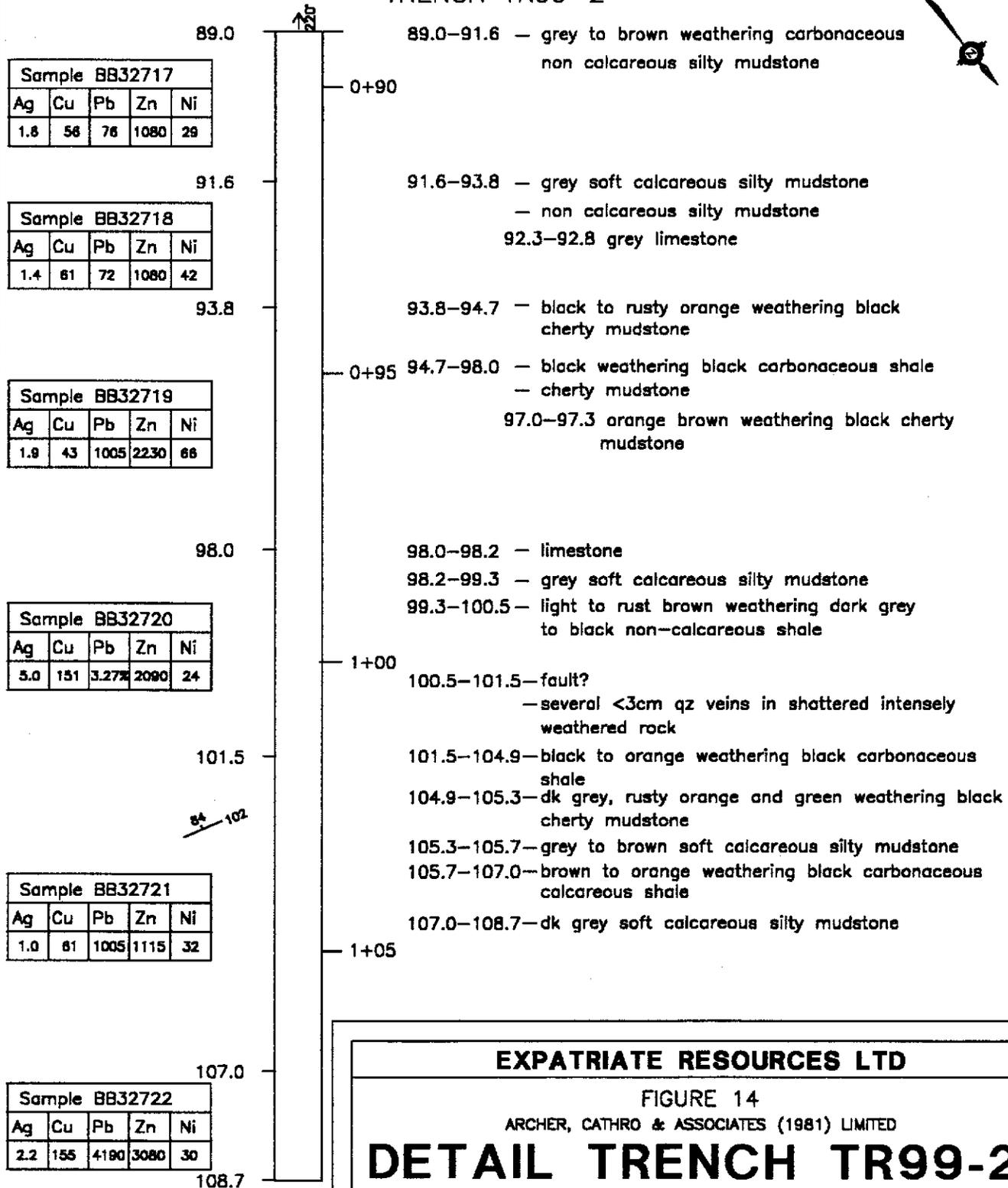
**TRENCHES T4 & TR99-2**

HP PROPERTY

SCALE 1:1000



# TRENCH TR99-2



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FIGURE 14

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

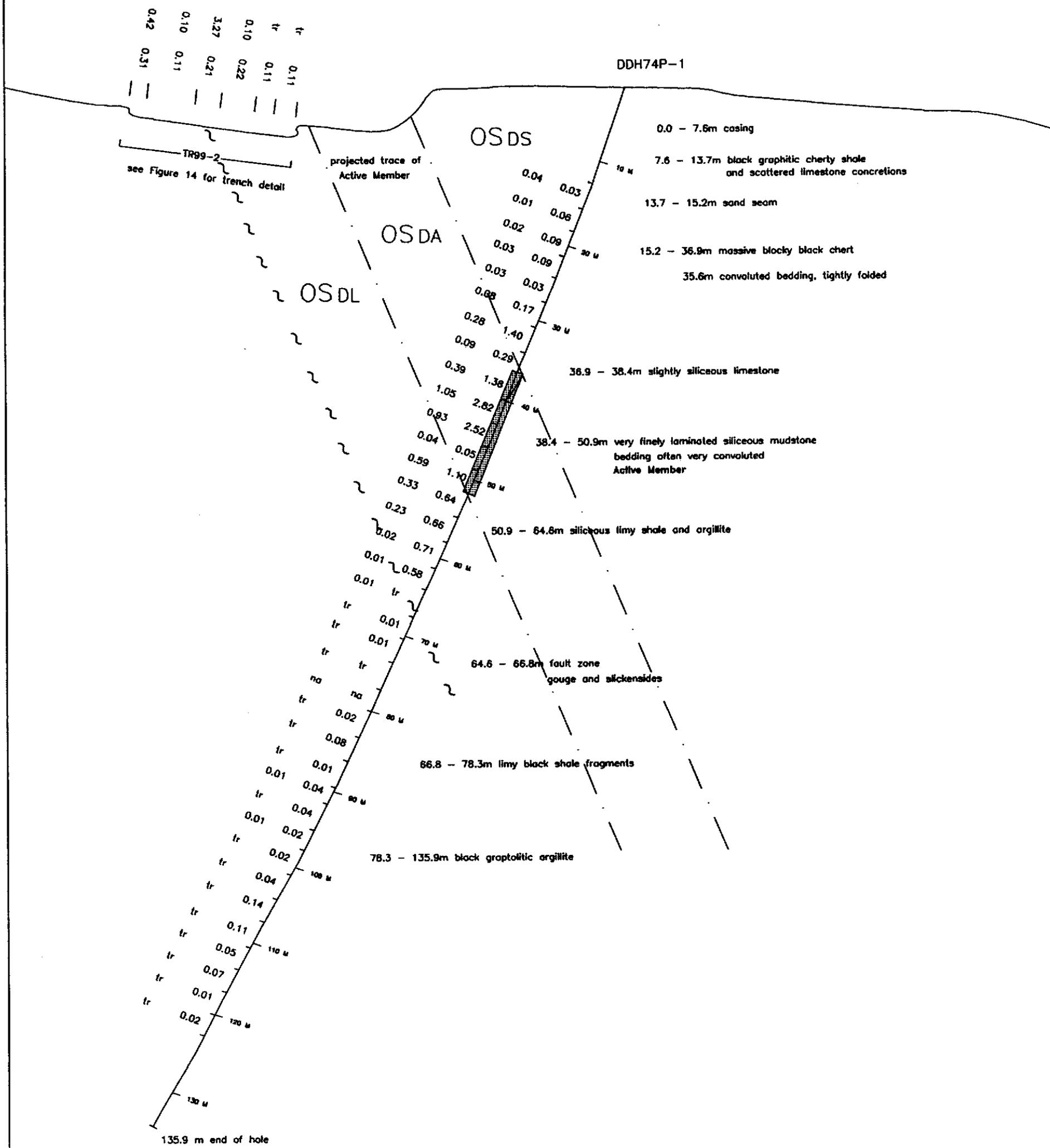
# DETAIL TRENCH TR99-2

HP PROPERTY

SCALE 1:100



# SECTION FACING EAST



## LEGEND

### LOWER ORDOVICIAN TO MIDDLE SILURIAN

#### DUO LAKE FORMATION

**OSDS**

Siliceous Shale Unit: light grey to black weathering, recessive graptolitic black shale, with chert and minor fine crystalline limestone

**OSDA**

Active Member: intercalated mudstone, limestone and chert; sulphide mineralization consists of fine grained sphalerite, galena and minor pyrite

**OSDL**

Lower Shale Unit: recessive, calcareous to siliceous, dark grey to black shale with minor thin bedded chert

1.05 2.82

assays % lead % zinc - drill sample interval 3.05 m, trench sample interval varies

▨

Active Member stratigraphy  
assumed geological contact

## EXPATRIATE RESOURCES LTD

FIGURE 15  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**DDH74P-1 AND TR99-1**  
HP PROPERTY

SCALE 1:500

0 5 10 15 20 25 m

DRAFTED BY: RFG

PROJECT: EXR-SELWYN

FILE: EXR\HP\DDH74-1

DATE: JANUARY, 2000

## CONCLUSIONS AND RECOMMENDATIONS

Preliminary work on the HP claims suggest they have excellent potential to host economically significant sedimentary exhalative zinc-lead mineralization. Structural mapping on the adjacent XY property indicates that a portion of the syncline hosting the XY Deposit underlies the southern part of the HP property. Work done to date has traced the Active Member, which represents the distal portion of the XY Deposit, the length of the HP claim block. The surface trace of the Active Member is marked by a 3.5 km long soil geochemical anomaly. Only a portion of this anomaly was known prior to 1999 and has been tested by trenches and shallow drill holes. Grades in the XY Deposit increase significantly towards the keel of the syncline and no deep drilling has been done on the HP property to explore for similar high grade zinc-lead mineralization.

The next stage of exploration should consist of trenching with a backhoe-equipped bulldozer. Sloughed in trenches should be reopened and new trenches should be cut at regular intervals along the recently discovered extension of the soil geochemical anomaly. Fractional claims should also be staked to cover small gaps in the claim block. After establishing the exact location and orientation of the Active Member, diamond drilling should begin. This work should include shallow holes along untested parts of the Active Member coupled with deeper holes searching for high grade mineralization towards the keel of the syncline. The bulldozer should be used to build drill sites and access trails and to move the drill. All trenches, drill sites and access trails should be reclaimed as soon as work is completed on them.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED



R.F. Gish, B.Sc.

**SELECTED REFERENCES**

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- Morganti, J.M.  
1979 The geology and ore deposits of the Howards Pass area, Yukon and NWT; unpublished Ph.D. thesis, University of British Columbia, Vancouver.

**APPENDIX I**

**AUTHOR'S STATEMENT OF QUALIFICATIONS**

## STATEMENT OF QUALIFICATIONS

I, R. Frank Gish, geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address on Bowen Island, British Columbia, do hereby certify that:

1. I graduated from the University of British Columbia in 1993 with a B.Sc. majoring in Geological Sciences.
2. From 1976 to 1980 and 1986 to present, I have been actively engaged in mineral exploration in the Yukon Territory and am presently employed with Archer, Cathro & Associates (1981) Limited.
3. I have personally participated in and supervised the field work reported herein.



R.F. Gish, B.Sc.

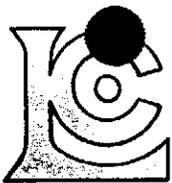
**APPENDIX II**  
**LIST OF PERSONNEL**

## LIST OF PERSONNEL

<u>Name</u>	<u>Position</u>	<u>Period</u>
Frank Gish	Geologist	July 28 - August 15 August 30
Iain Weatherston	Field Assistant	July 28 - August 15
Rob Carne	Geologist	August 30

**APPENDIX III**  
**CERTIFICATES OF ANALYSIS**





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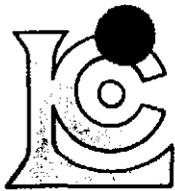
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A9932622

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058187	208 226	>200	0.13	< 10	120	< 5	1040	3.91	570	15	70	80	3.79	< 10	0.08	0.03	160	15	< 0.01	35

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



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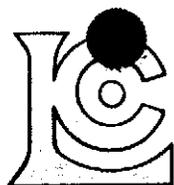
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Account: MPO

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A9932622

SAMPLE	PREP CODE		P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn	Pb	Zn
			ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
058187	208	226	800	>50000	70	< 5	40	0.01	< 20	< 20	< 20	< 20	>50000	9.22	11.20

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A9933095

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058187	212 --	300									

CERTIFICATION: *[Signature]*



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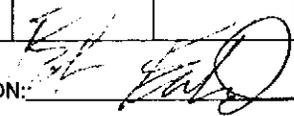
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A9928077

SAMPLE	PREP CODE	Pb %									
BB34367	212 --	1.76									

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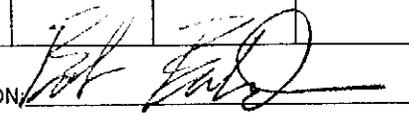
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SAMPLE	PREP CODE	Pb %	Zn %								
BB32674	212 --	-----	1.29								
BB32720	212 --	3.27	-----								

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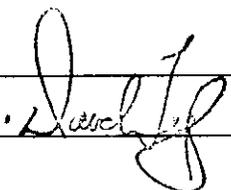
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## CERTIFICATE OF ANALYSIS A9927237

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BB32664	205 226	0.2	0.23	< 2	10	300	< 0.5	< 2	0.22	< 0.5	< 1	119	25	0.44	< 10	< 1	0.10	< 10	0.02	15
BB32665	205 226	1.2	0.72	12	20	540	0.5	< 2	0.25	5.5	7	26	66	2.67	< 10	< 1	0.38	20	0.09	110
BB32666	205 226	0.2	0.06	< 2	< 10	50	0.5	< 2	>15.00	4.5	< 1	13	14	0.36	< 10	< 1	0.04	< 10	0.04	290
BB32667	205 226	0.4	0.16	10	< 10	100	0.5	< 2	13.05	5.5	< 1	32	76	0.44	< 10	< 1	0.09	10	0.04	185
BB32668	205 226	0.4	0.34	8	10	230	< 0.5	< 2	1.39	1.0	< 1	80	18	0.76	< 10	< 1	0.19	10	0.06	35
BB32671	205 226	1.0	0.39	10	10	250	< 0.5	< 2	0.92	1.0	1	75	52	1.14	< 10	< 1	0.20	10	0.04	25
BB32672	205 226	0.8	0.28	2	10	190	< 0.5	< 2	0.45	1.0	< 1	100	30	0.46	< 10	< 1	0.15	< 10	0.02	20
BB32673	205 226	0.6	0.34	30	10	150	0.5	< 2	8.13	8.0	8	35	138	3.07	< 10	< 1	0.10	< 10	0.09	290
BB32674	205 226	0.8	0.14	< 2	< 10	60	0.5	< 2	11.35	44.0	1	18	11	1.09	< 10	< 1	0.08	< 10	0.03	220
BB32675	205 226	1.2	0.16	12	< 10	70	< 0.5	< 2	0.30	12.0	2	58	34	1.08	< 10	5	0.08	< 10	0.04	30
BB32676	205 226	1.0	0.33	22	10	30	1.0	< 2	0.05	1.0	1	71	62	1.20	< 10	< 1	0.19	10	0.01	5
BB32677	205 226	< 0.2	0.42	< 2	< 10	350	< 0.5	< 2	3.69	< 0.5	3	20	3	1.49	< 10	< 1	0.34	10	1.04	290
BB32717	205 226	1.6	0.38	44	10	130	0.5	< 2	8.97	8.0	2	31	56	1.32	< 10	< 1	0.22	10	0.05	185
BB32718	205 226	1.4	0.23	48	< 10	80	0.5	2	13.25	9.5	5	8	61	1.59	< 10	< 1	0.15	< 10	0.05	285
BB32719	205 226	1.8	0.61	90	20	140	< 0.5	< 2	1.48	11.0	3	77	43	1.56	< 10	< 1	0.34	10	0.05	40
BB32720	205 226	5.0	0.51	74	10	190	1.5	< 2	5.23	12.5	3	77	151	1.67	< 10	17	0.07	10	0.03	105
BB32721	205 226	1.0	0.38	44	10	230	0.5	< 2	0.33	8.0	3	89	61	1.40	< 10	< 1	0.17	10	0.02	80
BB32722	205 226	2.2	0.32	4	< 10	60	1.0	< 2	8.91	21.5	8	70	155	0.60	< 10	< 1	0.07	< 10	0.02	260
BB32723	205 226	1.8	0.70	4	< 10	130	< 0.5	< 2	10.15	9.0	1	32	199	1.15	< 10	< 1	0.38	< 10	1.33	140
BB34432	205 226	1.4	0.45	18	< 10	210	< 0.5	< 2	9.14	7.0	5	11	69	1.89	< 10	< 1	0.30	< 10	2.93	210

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BB32664	205 226	4 < 0.01		14	1420	66	0.04	< 2	< 1	16 < 0.01	< 10	< 10	< 10	84	< 10	46
BB32665	205 226	12 < 0.01		82	1410	232	0.18	8	3	85 < 0.01	< 10	< 10	< 10	49	< 10	1750
BB32666	205 226	< 1 < 0.01		13	520	170	0.03	< 2	< 1	152 < 0.01	< 10	< 10	< 10	55	< 10	1090
BB32667	205 226	9 < 0.01		18	2770	464	0.03	2	1	97 < 0.01	< 10	< 10	< 10	120	< 10	1175
BB32668	205 226	4 < 0.01		15	5470	66	0.07	< 2	1	23 < 0.01	< 10	< 10	< 10	97	< 10	176
BB32671	205 226	12 < 0.01		24	4860	112	0.10	< 2	1	28 < 0.01	< 10	< 10	< 10	166	< 10	186
BB32672	205 226	10 < 0.01		11	2170	146	0.07	< 2	< 1	13 < 0.01	< 10	< 10	< 10	162	< 10	52
BB32673	205 226	31 < 0.01		110	2560	3150	0.07	< 2	1	75 < 0.01	< 10	10	10	133	< 10	2470
BB32674	205 226	10 < 0.01		25	1510	3680	0.06	2	< 1	68 < 0.01	< 10	< 10	< 10	52	< 10	>10000
BB32675	205 226	18 < 0.01		16	1100	6450	0.05	2	< 1	8 < 0.01	< 10	< 10	< 10	47	< 10	2250
BB32676	205 226	17 < 0.01		33	620	40	0.13	8	4	12	0.18	< 10	< 10	316	< 10	94
BB32677	205 226	< 1 < 0.01		5	200	8	0.06	2	3	46 < 0.01	< 10	< 10	< 10	5	< 10	6
BB32717	205 226	14 < 0.01		29	4040	76	0.06	8	2	68 < 0.01	< 10	< 10	< 10	192	< 10	922
BB32718	205 226	16 < 0.01		42	820	72	0.05	12	3	85 < 0.01	< 10	< 10	< 10	33	< 10	1080
BB32719	205 226	42 < 0.01		66	6320	1005	0.09	26	2	38 < 0.01	< 10	< 10	< 10	380	< 10	2230
BB32720	205 226	29 < 0.01		24	3340	>10000	0.05	30	2	54 < 0.01	< 10	10	10	101	< 10	2090
BB32721	205 226	27 < 0.01		32	1320	1005	0.10	8	1	8 < 0.01	< 10	< 10	< 10	100	< 10	1115
BB32722	205 226	22 < 0.01		30	1150	4190	0.09	8	1	52 < 0.01	< 10	< 10	< 10	150	< 10	3080
BB32723	205 226	32 < 0.01		41	590	38	0.24	4	3	191 < 0.01	< 10	< 10	< 10	247	< 10	524
BB34432	205 226	29 < 0.01		43	550	18	0.38	< 2	4	135 < 0.01	< 10	< 10	< 10	84	< 10	612

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



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
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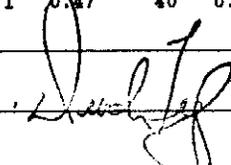
To: EXPATRIATE RESOURCES LTD.  
 C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
 BOX 4127, 2054 SECOND AVE.  
 WHITEHORSE, YT  
 Y1A 3S9

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 Certificate Date: 07-SEP-1999  
 Invoice No. : 19927235  
 P.O. Number :  
 Account : MPO

Project : SELWYN-HP  
 Comments :

## CERTIFICATE OF ANALYSIS A9927235

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
BB32669	201 202	3.4	1.53	36	10	170	1.0	< 2	4.37	7.5	11	25	136	2.74	< 10	< 1	0.53	10	1.60	170
BB32670	201 202	0.2	1.85	60	< 10	40	6.5	< 2	0.16	2.5	2	27	474	>15.00	< 10	< 1	0.08	10	0.04	40
BB34235	201 202	0.4	1.35	20	< 10	570	0.5	< 2	0.16	0.5	7	19	29	2.76	< 10	< 1	0.22	30	0.22	230
BB34236	201 202	< 0.2	1.25	22	< 10	230	0.5	< 2	0.20	0.5	6	23	28	2.26	< 10	< 1	0.23	30	0.24	355
BB34237	201 202	0.2	1.17	18	< 10	250	0.5	< 2	0.20	0.5	7	17	24	2.46	< 10	< 1	0.23	30	0.31	140
BB34238	201 202	0.2	0.86	50	10	270	0.5	< 2	0.22	0.5	8	22	57	3.27	< 10	< 1	0.19	20	0.12	170
BB34239	201 202	1.6	1.04	32	20	280	2.0	< 2	1.22	43.0	13	34	109	3.94	< 10	< 1	0.38	30	0.23	325
BB34240	201 202	0.2	0.93	12	< 10	150	0.5	< 2	0.10	< 0.5	13	10	44	3.56	< 10	< 1	0.13	30	0.11	220
BB34241	201 202	0.2	0.80	34	< 10	240	0.5	< 2	0.26	< 0.5	6	16	38	2.78	< 10	< 1	0.13	20	0.08	170
BB34242	201 202	0.8	1.22	8	10	120	0.5	< 2	0.02	0.5	28	16	63	3.71	< 10	< 1	0.29	20	0.87	455
BB34243	201 202	1.2	0.89	34	10	2130	0.5	< 2	0.46	7.5	15	37	89	3.06	< 10	< 1	0.22	20	0.17	265
BB34244	201 202	1.0	1.11	30	10	1720	< 0.5	< 2	0.13	4.0	10	29	64	3.10	< 10	< 1	0.21	20	0.16	230
BB34245	201 202	0.8	0.96	28	10	1240	< 0.5	< 2	0.05	< 0.5	3	23	44	2.65	< 10	< 1	0.19	10	0.08	90
BB34246	201 202	0.8	0.72	24	10	990	< 0.5	< 2	0.02	< 0.5	1	15	28	2.37	< 10	< 1	0.20	10	0.06	80
BB34247	201 202	1.0	0.98	44	< 10	1140	< 0.5	< 2	0.08	2.0	6	28	57	3.21	< 10	< 1	0.21	10	0.20	145
BB34248	201 202	1.6	4.25	74	< 10	1270	1.5	< 2	0.03	10.5	64	49	359	5.07	< 10	2	0.17	20	0.17	670
BB34249	201 202	0.8	0.67	28	< 10	860	< 0.5	< 2	< 0.01	< 0.5	3	12	34	2.59	< 10	< 1	0.13	10	0.05	50
BB34250	201 202	0.8	0.57	22	< 10	930	< 0.5	< 2	0.01	< 0.5	1	10	24	2.23	< 10	< 1	0.14	< 10	0.05	40
BB34251	201 202	0.6	0.84	34	< 10	550	< 0.5	< 2	0.01	< 0.5	4	17	49	3.87	< 10	< 1	0.12	10	0.11	75
BB34252	201 202	2.0	1.82	104	10	710	0.5	< 2	0.22	1.5	7	69	119	4.32	< 10	1	0.27	10	0.12	115
BB34253	201 202	< 0.2	0.31	28	10	650	0.5	< 2	6.93	65.0	10	18	41	2.15	< 10	< 1	0.10	10	4.27	305
BB34254	201 202	0.8	0.77	24	< 10	630	< 0.5	< 2	0.06	< 0.5	3	13	36	2.47	< 10	< 1	0.12	10	0.11	70
BB34255	201 202	0.4	0.77	22	< 10	600	< 0.5	< 2	0.02	0.5	6	19	33	2.82	< 10	< 1	0.19	10	0.11	150
BB34256	201 202	0.4	0.97	16	10	1100	< 0.5	< 2	0.01	< 0.5	6	18	32	3.22	< 10	< 1	0.19	20	0.10	170
BB34257	201 202	0.8	1.31	40	10	900	< 0.5	< 2	0.05	< 0.5	6	31	55	3.71	< 10	< 1	0.22	10	0.13	170
BB34258	201 202	0.6	1.25	20	20	880	0.5	< 2	0.29	0.5	12	27	67	3.94	< 10	< 1	0.37	30	0.24	365
BB34259	201 202	1.4	1.09	10	20	1210	1.0	< 2	0.50	1.5	12	26	69	3.62	< 10	< 1	0.39	30	0.27	370
BB34260	201 202	< 0.2	1.29	16	10	450	1.0	< 2	0.25	1.0	9	21	37	3.90	< 10	< 1	0.26	30	0.21	195
BB34261	201 202	0.2	1.45	32	100	400	1.0	< 2	0.58	0.5	11	30	60	4.56	< 10	< 1	0.36	30	0.21	350
BB34262	201 202	1.6	0.99	12	< 10	480	1.0	< 2	0.22	1.5	9	14	70	3.54	< 10	< 1	0.19	30	0.17	105
BB34263	201 202	0.2	0.98	12	< 10	200	0.5	< 2	0.16	0.5	13	16	41	3.28	< 10	< 1	0.22	30	0.18	265
BB34264	201 202	1.4	1.21	44	10	380	1.5	< 2	0.65	4.5	10	30	91	3.76	< 10	< 1	0.30	40	0.17	180
BB34265	201 202	0.4	1.24	40	10	240	0.5	< 2	0.16	0.5	7	24	41	3.36	< 10	< 1	0.26	30	0.25	150
BB34266	201 202	0.6	1.46	24	10	290	0.5	< 2	0.09	1.0	6	19	44	3.21	< 10	< 1	0.36	30	0.33	165
BB34267	201 202	< 0.2	1.50	24	< 10	330	0.5	< 2	0.08	0.5	11	17	25	3.29	< 10	< 1	0.19	30	0.30	280
BB34268	201 202	< 0.2	0.66	18	< 10	140	0.5	< 2	0.14	0.5	17	7	29	3.14	< 10	< 1	0.17	30	0.17	465
BB34269	201 202	< 0.2	1.65	32	< 10	180	0.5	< 2	0.21	0.5	10	20	22	3.42	< 10	< 1	0.19	30	0.95	250
BB34270	201 202	0.6	0.72	40	< 10	200	0.5	2	0.23	< 0.5	10	9	27	3.14	< 10	< 1	0.13	30	0.28	190
BB34271	201 202	0.2	1.52	18	10	160	< 0.5	< 2	0.08	< 0.5	7	16	21	2.56	< 10	< 1	0.25	30	0.69	75
BB34272	201 202	1.8	1.31	34	20	380	1.0	< 2	0.38	6.0	16	18	87	3.78	< 10	< 1	0.47	40	0.43	365

CERTIFICATION: 



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Project: SELWYN-HP  
Comments:

Page: 1-B  
Total: 6  
Certificate Date: 07-SEP-1999  
Invoice No.: I9927235  
P.O. Number:  
Account: MPO

## CERTIFICATE OF ANALYSIS A9927235

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB32669	201 202	60 < 0.01		128	500	28	0.11	6	5	55 < 0.01	< 10	< 10	276	< 10	1040	
BB32670	201 202	17 0.01		33	>10000	30	1.66	12	17	20 < 0.01	< 10	90	62	< 10	320	
BB34235	201 202	12 0.01		37	1660	30	0.08	4	1	16 < 0.01	< 10	< 10	74	< 10	200	
BB34236	201 202	15 0.01		43	1550	36	0.05	2	1	11 < 0.01	< 10	< 10	132	< 10	272	
BB34237	201 202	12 0.01		44	1250	36	0.03	2	1	11 < 0.01	< 10	< 10	73	< 10	438	
BB34238	201 202	27 < 0.01		90	2170	64	0.09	8	< 1	16 < 0.01	< 10	< 10	139	< 10	452	
BB34239	201 202	17 < 0.01		95	5580	3040	0.05	8	5	31 < 0.01	< 10	< 10	153	< 10	6400	
BB34240	201 202	7 < 0.01		51	1280	52	0.03	2	2	8 < 0.01	< 10	< 10	27	< 10	254	
BB34241	201 202	20 < 0.01		58	3130	236	0.08	6	< 1	19 < 0.01	< 10	< 10	73	< 10	364	
BB34242	201 202	4 < 0.01		80	580	50	< 0.01	< 2	5	4 0.01	< 10	< 10	22	< 10	250	
BB34243	201 202	39 < 0.01		148	1800	26	0.07	10	3	25 < 0.01	< 10	< 10	372	< 10	860	
BB34244	201 202	32 0.01		85	1320	34	0.13	8	3	33 0.01	< 10	< 10	198	< 10	546	
BB34245	201 202	17 0.01		26	1070	44	0.20	8	2	32 0.02	< 10	< 10	132	< 10	162	
BB34246	201 202	18 < 0.01		14	840	54	0.22	6	< 1	25 < 0.01	< 10	< 10	73	< 10	104	
BB34247	201 202	28 0.01		50	1380	50	0.20	10	2	28 0.01	< 10	< 10	220	< 10	346	
BB34248	201 202	57 < 0.01		294	1910	28	0.10	18	5	14 < 0.01	< 10	< 10	379	< 10	1870	
BB34249	201 202	17 0.01		13	790	48	0.14	4	< 1	21 < 0.01	< 10	< 10	52	< 10	110	
BB34250	201 202	15 0.01		9	740	34	0.17	6	1	20 < 0.01	< 10	< 10	61	< 10	66	
BB34251	201 202	14 0.01		18	1120	46	0.10	4	1	26 < 0.01	< 10	< 10	46	< 10	138	
BB34252	201 202	94 0.01		58	2800	48	0.22	32	4	45 0.05	< 10	< 10	1475	< 10	378	
BB34253	201 202	49 0.01		333	750	8	0.05	6	4	69 < 0.01	< 10	< 10	84	< 10	4120	
BB34254	201 202	12 0.03		16	900	38	0.09	2	1	51 < 0.01	< 10	< 10	38	< 10	136	
BB34255	201 202	29 0.01		59	1000	32	0.09	2	< 1	18 < 0.01	< 10	< 10	111	< 10	344	
BB34256	201 202	12 < 0.01		32	1130	46	0.12	2	< 1	22 < 0.01	< 10	< 10	86	< 10	218	
BB34257	201 202	25 0.01		39	1480	42	0.14	10	1	25 0.01	< 10	< 10	301	< 10	238	
BB34258	201 202	11 < 0.01		65	2140	46	0.05	6	4	17 0.01	< 10	< 10	92	< 10	346	
BB34259	201 202	13 < 0.01		82	2300	60	0.04	4	5	20 < 0.01	< 10	< 10	86	< 10	402	
BB34260	201 202	11 < 0.01		57	1690	46	0.03	4	3	13 < 0.01	< 10	< 10	74	< 10	400	
BB34261	201 202	22 0.01		74	3670	368	0.06	6	3	24 < 0.01	< 10	< 10	173	< 10	504	
BB34262	201 202	8 < 0.01		65	550	52	0.01	4	6	8 < 0.01	< 10	< 10	45	< 10	450	
BB34263	201 202	7 < 0.01		54	1350	76	0.03	2	3	10 < 0.01	< 10	< 10	41	< 10	228	
BB34264	201 202	26 < 0.01		80	3950	1310	0.11	6	3	34 < 0.01	< 10	< 10	190	< 10	906	
BB34265	201 202	23 0.01		62	1610	88	0.06	6	1	11 < 0.01	< 10	< 10	147	< 10	392	
BB34266	201 202	31 < 0.01		44	830	24	0.03	6	1	6 < 0.01	< 10	< 10	169	< 10	404	
BB34267	201 202	12 < 0.01		42	1180	32	0.04	6	2	9 < 0.01	< 10	< 10	56	< 10	212	
BB34268	201 202	10 < 0.01		53	1130	34	< 0.01	2	5	6 < 0.01	< 10	< 10	29	< 10	170	
BB34269	201 202	8 < 0.01		49	1260	22	0.03	6	2	10 < 0.01	< 10	< 10	78	< 10	240	
BB34270	201 202	7 < 0.01		37	520	18	0.02	2	3	9 < 0.01	< 10	< 10	25	< 10	156	
BB34271	201 202	10 < 0.01		34	910	14	0.01	4	1	5 < 0.01	< 10	< 10	59	< 10	166	
BB34272	201 202	38 < 0.01		94	1060	26	0.03	6	7	13 < 0.01	< 10	< 10	134	< 10	552	

CERTIFICATION:



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## CERTIFICATE OF ANALYSIS A9927235

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
BB34273	201 202	0.8	1.83	16	10	540	1.0	< 2	0.42	0.5	10	26	33	3.10	< 10	< 1	0.35	40	0.65	160
BB34274	201 202	0.2	1.89	18	< 10	260	0.5	< 2	0.16	0.5	12	25	18	3.44	< 10	< 1	0.36	40	0.78	850
BB34275	201 202	0.2	0.97	32	< 10	250	0.5	< 2	0.11	0.5	13	12	34	3.34	< 10	< 1	0.23	40	0.17	315
BB34276	201 202	1.2	1.08	30	10	440	1.0	< 2	0.12	4.5	12	19	57	3.10	< 10	< 1	0.22	40	0.24	225
BB34277	201 202	3.8	1.01	62	< 10	630	1.5	< 2	0.35	3.0	6	39	107	4.31	< 10	1	0.25	30	0.09	115
BB34278	201 202	< 0.2	0.70	16	10	180	0.5	< 2	0.09	< 0.5	9	16	39	4.19	< 10	< 1	0.23	20	0.12	370
BB34279	201 202	0.2	1.29	10	< 10	320	0.5	< 2	0.08	< 0.5	10	20	49	3.51	< 10	< 1	0.23	30	0.16	335
BB34280	201 202	< 0.2	0.81	16	< 10	240	0.5	< 2	0.01	< 0.5	9	17	52	3.42	< 10	< 1	0.12	30	0.10	200
BB34281	201 202	< 0.2	0.80	12	< 10	490	0.5	< 2	0.20	0.5	5	13	23	2.78	< 10	< 1	0.11	10	0.18	110
BB34282	201 202	0.2	0.71	28	< 10	470	0.5	< 2	0.52	1.5	9	12	58	3.88	< 10	< 1	0.10	10	0.14	200
BB34283	201 202	0.4	0.69	12	< 10	410	0.5	< 2	0.23	0.5	8	16	39	3.08	< 10	< 1	0.11	10	0.12	215
BB34284	201 202	1.0	0.81	20	10	1140	0.5	< 2	0.63	4.0	12	16	66	3.01	< 10	< 1	0.24	30	0.30	280
BB34285	201 202	1.0	0.85	24	< 10	1100	< 0.5	< 2	0.18	7.0	7	17	52	3.34	< 10	< 1	0.17	10	0.16	210
BB34286	201 202	0.8	0.98	26	20	1140	0.5	< 2	1.26	20.0	14	35	89	3.19	< 10	< 1	0.32	20	0.63	355
BB34287	201 202	2.2	0.96	14	10	320	1.0	< 2	0.17	7.5	19	29	73	5.09	< 10	< 1	0.41	40	0.32	535
BB34288	201 202	0.2	1.05	20	< 10	740	< 0.5	< 2	< 0.01	< 0.5	4	17	50	2.94	< 10	< 1	0.20	10	0.17	50
BB34289	201 202	0.6	1.15	26	< 10	940	< 0.5	< 2	0.07	0.5	7	24	54	3.61	< 10	< 1	0.22	20	0.25	160
BB34290	201 202	0.2	0.90	20	< 10	420	< 0.5	< 2	0.01	< 0.5	4	19	43	3.55	< 10	< 1	0.13	20	0.17	80
BB34291	201 202	0.2	0.95	26	< 10	420	< 0.5	< 2	< 0.01	< 0.5	3	21	47	3.88	< 10	< 1	0.11	20	0.16	85
BB34292	201 202	0.2	1.04	26	< 10	580	< 0.5	2	0.02	0.5	5	21	52	3.90	< 10	< 1	0.17	20	0.17	115
BB34293	201 202	0.2	0.65	14	< 10	700	< 0.5	< 2	0.12	0.5	5	12	41	2.48	< 10	< 1	0.12	10	0.16	90
BB34294	201 202	3.4	0.82	24	10	680	0.5	< 2	1.06	2.5	16	21	159	6.76	< 10	< 1	0.35	10	0.34	225
BB34295	201 202	0.2	0.73	14	< 10	460	0.5	< 2	0.24	0.5	11	9	38	4.88	< 10	< 1	0.09	20	0.10	295
BB34296	201 202	0.2	0.93	20	< 10	310	0.5	< 2	0.49	0.5	10	15	43	3.45	< 10	< 1	0.16	20	0.19	260
BB34297	201 202	< 0.2	1.09	8	10	680	0.5	< 2	0.35	0.5	4	18	17	2.59	< 10	< 1	0.18	20	0.27	185
BB34298	201 202	0.4	1.07	14	10	270	0.5	< 2	0.17	< 0.5	5	19	30	3.15	< 10	< 1	0.23	20	0.18	130
BB34299	201 202	0.2	0.90	18	10	230	0.5	< 2	0.06	< 0.5	7	19	33	2.87	< 10	< 1	0.23	20	0.21	115
BB34300	201 202	1.4	1.23	20	< 10	160	2.5	< 2	0.17	2.0	30	19	166	6.49	< 10	< 1	0.24	30	0.11	435
BB34301	201 202	0.2	0.98	16	< 10	310	< 0.5	< 2	0.04	< 0.5	8	16	30	3.21	< 10	< 1	0.24	20	0.21	250
BB34302	201 202	0.4	0.93	12	< 10	670	0.5	< 2	0.51	< 0.5	3	18	49	2.28	< 10	< 1	0.22	30	0.09	65
BB34303	201 202	0.2	1.27	26	< 10	270	1.0	< 2	0.16	0.5	10	17	99	2.83	< 10	< 1	0.20	30	0.20	155
BB34304	201 202	1.4	0.55	38	< 10	220	0.5	< 2	0.32	4.5	13	11	88	2.72	< 10	< 1	0.14	30	0.12	370
BB34305	201 202	0.2	0.48	20	< 10	220	< 0.5	< 2	0.02	< 0.5	9	12	33	2.55	< 10	< 1	0.15	30	0.06	185
BB34306	201 202	0.2	1.50	18	< 10	630	0.5	< 2	0.46	0.5	10	16	19	2.70	< 10	< 1	0.23	50	0.27	625
BB34307	201 202	0.2	1.56	24	< 10	310	0.5	< 2	0.19	0.5	13	25	46	3.50	< 10	< 1	0.27	40	0.55	295
BB34308	201 202	0.2	0.91	26	< 10	220	0.5	< 2	0.23	< 0.5	14	11	26	3.04	< 10	< 1	0.16	30	0.28	285
BB34309	201 202	< 0.2	1.48	10	< 10	160	< 0.5	< 2	0.07	< 0.5	5	17	12	2.24	< 10	< 1	0.17	30	0.79	100
BB34310	201 202	< 0.2	1.28	12	< 10	320	< 0.5	< 2	0.17	< 0.5	7	15	16	2.29	< 10	< 1	0.15	30	0.43	220
BB34311	201 202	< 0.2	1.02	12	< 10	150	< 0.5	< 2	0.16	< 0.5	6	16	16	2.29	< 10	< 1	0.16	30	0.45	105
BB34312	201 202	0.4	1.29	14	< 10	190	0.5	< 2	0.32	1.0	11	17	28	2.37	< 10	< 1	0.21	30	0.66	240

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



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

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



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

Page Number : 2-B  
Total Pages : 6  
Certificate Date: 07-SEP-1999  
Invoice No. : 19927235  
P.O. Number :  
Account : MPO

Project : SELWYN-HP  
Comments :

## CERTIFICATE OF ANALYSIS A9927235

SAMPLE	PREP CODE		Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BB34273	201	202	13	0.01	58	1120	38	0.07	2	5	18	< 0.01	< 10	< 10	90	< 10	300
BB34274	201	202	9	< 0.01	41	1430	26	0.02	2	2	10	< 0.01	< 10	< 10	74	< 10	162
BB34275	201	202	21	< 0.01	56	970	28	0.03	4	2	8	< 0.01	< 10	< 10	55	< 10	190
BB34276	201	202	20	< 0.01	84	1110	44	0.05	2	4	15	< 0.01	< 10	< 10	85	< 10	524
BB34277	201	202	80	< 0.01	45	4040	4390	0.27	16	3	37	< 0.01	< 10	< 10	352	< 10	760
BB34278	201	202	9	< 0.01	39	2100	256	0.04	4	1	9	< 0.01	< 10	< 10	78	< 10	228
BB34279	201	202	7	< 0.01	57	1970	74	0.05	< 2	1	10	< 0.01	< 10	< 10	77	< 10	262
BB34280	201	202	13	< 0.01	71	1410	34	0.04	2	< 1	6	< 0.01	< 10	< 10	77	< 10	326
BB34281	201	202	6	< 0.01	36	1190	44	0.02	2	1	10	< 0.01	< 10	< 10	42	< 10	290
BB34282	201	202	15	< 0.01	56	2560	76	0.10	6	1	24	< 0.01	< 10	< 10	50	< 10	328
BB34283	201	202	7	< 0.01	51	2100	86	0.05	2	1	10	< 0.01	< 10	< 10	29	< 10	282
BB34284	201	202	19	< 0.01	84	2570	84	0.09	2	4	28	0.01	< 10	< 10	88	< 10	838
BB34285	201	202	19	< 0.01	68	1100	44	0.12	6	2	33	< 0.01	< 10	< 10	73	< 10	748
BB34286	201	202	38	< 0.01	184	1810	24	0.09	14	5	35	< 0.01	< 10	< 10	273	< 10	1700
BB34287	201	202	9	< 0.01	167	660	30	< 0.01	4	7	8	< 0.01	< 10	< 10	46	< 10	706
BB34288	201	202	11	< 0.01	22	750	40	0.09	2	2	34	< 0.01	< 10	< 10	41	< 10	142
BB34289	201	202	14	0.01	41	1250	50	0.13	4	3	35	< 0.01	< 10	< 10	112	< 10	234
BB34290	201	202	12	0.01	22	950	40	0.07	< 2	1	25	< 0.01	< 10	< 10	43	< 10	132
BB34291	201	202	11	< 0.01	19	1080	44	0.08	2	1	34	< 0.01	< 10	< 10	37	< 10	118
BB34292	201	202	11	< 0.01	34	1120	44	0.08	4	2	34	< 0.01	< 10	< 10	48	< 10	246
BB34293	201	202	10	< 0.01	27	680	42	0.08	< 2	1	27	< 0.01	< 10	< 10	30	< 10	174
BB34294	201	202	10	< 0.01	124	5450	74	0.17	2	5	57	< 0.01	< 10	< 10	50	< 10	578
BB34295	201	202	9	< 0.01	44	1980	178	0.03	< 2	2	14	< 0.01	< 10	< 10	24	< 10	450
BB34296	201	202	13	< 0.01	49	3510	68	0.04	2	1	16	< 0.01	< 10	< 10	69	< 10	296
BB34297	201	202	6	< 0.01	23	1700	40	0.08	< 2	1	18	< 0.01	< 10	< 10	53	< 10	190
BB34298	201	202	10	0.01	36	2030	76	0.06	2	< 1	14	< 0.01	< 10	< 10	79	< 10	198
BB34299	201	202	18	< 0.01	50	1540	78	0.06	4	< 1	10	< 0.01	< 10	< 10	123	< 10	322
BB34300	201	202	5	< 0.01	108	4440	20	0.01	2	8	7	< 0.01	< 10	< 10	35	< 10	400
BB34301	201	202	9	< 0.01	40	1280	114	0.08	2	< 1	12	< 0.01	< 10	< 10	75	< 10	196
BB34302	201	202	7	0.01	30	4430	190	0.16	2	< 1	55	< 0.01	< 10	< 10	74	< 10	152
BB34303	201	202	16	< 0.01	86	1820	242	0.08	2	2	18	< 0.01	< 10	< 10	75	< 10	302
BB34304	201	202	35	< 0.01	84	1820	38	0.04	6	4	16	< 0.01	< 10	< 10	90	< 10	534
BB34305	201	202	10	< 0.01	42	720	28	0.09	2	< 1	11	< 0.01	< 10	< 10	39	< 10	162
BB34306	201	202	6	0.01	32	1380	22	0.04	< 2	5	18	< 0.01	< 10	< 10	48	< 10	124
BB34307	201	202	26	< 0.01	63	1280	46	0.05	4	3	18	0.01	< 10	< 10	101	< 10	334
BB34308	201	202	19	0.01	57	1380	26	0.04	6	1	11	< 0.01	< 10	< 10	33	< 10	136
BB34309	201	202	4	< 0.01	24	770	14	0.03	< 2	< 1	7	< 0.01	< 10	< 10	43	< 10	82
BB34310	201	202	8	< 0.01	25	1280	18	0.06	< 2	< 1	9	< 0.01	< 10	< 10	43	< 10	72
BB34311	201	202	7	< 0.01	25	1290	18	0.04	2	< 1	11	< 0.01	< 10	< 10	48	< 10	144
BB34312	201	202	8	< 0.01	45	1670	20	0.03	2	2	17	0.01	< 10	< 10	55	< 10	218

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



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WHITEHORSE, YT  
Y1A 3S9

Project: SELWYN-HP  
Comments:

Page: 3-A  
Total: 6  
Certificate Date: 07-SEP-1999  
Invoice No.: I9927235  
P.O. Number:  
Account: MPO

## CERTIFICATE OF ANALYSIS A9927235

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
BB34313	201 202	0.2	1.22	22	< 10	210	< 0.5	< 2	0.15	0.5	10	16	22	2.74	< 10	< 1	0.19	30	0.38	210
BB34314	201 202	0.2	1.33	24	< 10	210	< 0.5	< 2	0.20	< 0.5	12	17	24	2.99	< 10	< 1	0.18	30	0.82	180
BB34315	201 202	0.2	1.41	14	< 10	310	< 0.5	< 2	0.11	0.5	6	20	19	2.83	< 10	< 1	0.14	20	0.51	110
BB34316	201 202	0.2	1.31	24	< 10	210	< 0.5	< 2	0.09	< 0.5	10	17	20	2.94	< 10	< 1	0.12	10	0.38	175
BB34317	201 202	1.6	0.49	38	< 10	360	< 0.5	< 2	0.38	10.0	16	4	77	3.56	< 10	< 1	0.18	40	0.14	240
BB34318	201 202	< 0.2	0.93	18	< 10	320	< 0.5	< 2	0.06	< 0.5	8	10	28	2.89	< 10	< 1	0.11	30	0.14	160
BB34319	201 202	0.2	0.97	46	< 10	170	0.5	< 2	0.22	1.0	11	13	32	3.11	< 10	< 1	0.08	40	0.18	1135
BB34320	201 202	0.6	0.73	26	< 10	170	< 0.5	< 2	0.04	0.5	9	7	40	2.86	< 10	< 1	0.11	30	0.08	190
BB34321	201 202	0.4	1.04	26	< 10	260	< 0.5	< 2	0.09	0.5	7	12	56	2.42	< 10	< 1	0.13	30	0.08	100
BB34322	201 202	1.4	1.57	180	< 10	140	4.0	< 2	0.12	4.5	55	4	142	10.80	< 10	2	0.05	40	0.06	840
BB34323	201 202	0.4	0.82	10	< 10	250	< 0.5	< 2	0.01	< 0.5	11	7	32	3.86	< 10	< 1	0.09	20	0.06	235
BB34324	201 202	2.6	0.46	10	< 10	220	0.5	< 2	0.07	< 0.5	18	6	62	4.87	< 10	< 1	0.15	30	0.11	490
BB34325	201 202	0.8	0.56	8	< 10	150	0.5	< 2	0.08	0.5	13	6	63	5.22	< 10	< 1	0.11	30	0.07	385
BB34326	201 202	0.8	0.94	12	< 10	240	0.5	< 2	0.42	0.5	8	18	17	3.03	< 10	< 1	0.15	30	0.27	280
BB34327	201 202	0.8	0.91	12	< 10	380	0.5	< 2	0.95	3.0	5	15	30	2.87	< 10	< 1	0.14	10	0.31	250
BB34328	201 202	0.2	0.92	10	< 10	380	< 0.5	< 2	0.55	0.5	6	13	23	3.10	< 10	< 1	0.17	10	0.25	215
BB34329	201 202	1.2	0.86	16	< 10	330	< 0.5	< 2	0.01	< 0.5	10	10	66	5.15	< 10	< 1	0.20	10	0.07	110
BB34330	201 202	0.2	0.94	14	< 10	250	0.5	< 2	0.23	0.5	12	12	48	4.16	< 10	< 1	0.16	20	0.17	255
BB34331	201 202	0.4	0.67	34	< 10	320	0.5	< 2	0.46	1.0	6	14	32	2.97	< 10	< 1	0.15	20	0.11	120
BB34332	201 202	1.0	0.76	32	< 10	1480	0.5	< 2	0.56	4.5	7	15	61	2.75	< 10	< 1	0.15	20	0.22	105
BB34333	201 202	0.8	0.72	22	< 10	900	< 0.5	< 2	0.17	8.5	9	15	47	3.26	< 10	< 1	0.18	20	0.25	205
BB34334	201 202	0.4	0.75	34	< 10	2330	< 0.5	< 2	0.08	10.0	3	13	25	1.72	< 10	< 1	0.12	10	0.10	95
BB34335	201 202	0.2	1.33	24	< 10	610	< 0.5	< 2	0.03	< 0.5	4	22	28	3.37	< 10	< 1	0.10	10	0.12	75
BB34336	201 202	0.6	0.80	46	< 10	1200	< 0.5	< 2	0.03	0.5	4	10	38	2.84	< 10	< 1	0.14	10	0.07	70
BB34337	201 202	1.0	0.68	38	< 10	1990	0.5	< 2	0.19	8.0	15	15	84	4.33	< 10	< 1	0.24	30	0.22	325
BB34338	201 202	1.2	0.77	22	10	1220	0.5	< 2	0.46	8.0	17	16	87	4.61	< 10	< 1	0.31	30	0.30	320
BB34339	201 202	1.6	0.89	< 2	< 10	80	0.5	< 2	2.43	21.5	3	23	118	0.88	< 10	1	0.04	< 10	0.23	40
BB34340	201 202	1.0	0.84	18	< 10	320	0.5	< 2	0.41	1.0	6	16	31	2.76	< 10	< 1	0.17	30	0.29	185
BB34341	201 202	3.0	0.93	26	< 10	650	< 0.5	< 2	0.26	2.5	17	18	98	6.58	< 10	< 1	0.29	20	0.23	250
BB34342	201 202	1.2	1.04	12	< 10	320	0.5	< 2	0.48	1.5	11	15	57	3.88	< 10	< 1	0.21	30	0.18	435
BB34343	201 202	0.2	0.76	14	< 10	580	< 0.5	< 2	0.23	< 0.5	3	11	15	1.58	< 10	< 1	0.13	10	0.12	115
BB34344	201 202	1.0	0.99	6	< 10	450	< 0.5	< 2	0.58	1.5	4	14	12	2.15	< 10	< 1	0.12	10	0.25	100
BB34345	201 202	0.6	0.46	6	< 10	60	< 0.5	< 2	0.04	0.5	8	3	38	3.15	< 10	< 1	0.07	20	0.06	140
BB34346	201 202	0.4	0.76	10	< 10	150	< 0.5	< 2	0.05	< 0.5	5	7	26	2.62	< 10	< 1	0.09	10	0.08	145
BB34347	201 202	0.4	1.05	24	< 10	270	0.5	< 2	0.20	0.5	11	13	41	4.18	< 10	< 1	0.16	20	0.14	185
BB34348	201 202	0.6	0.89	12	< 10	390	< 0.5	< 2	0.03	< 0.5	6	6	27	2.96	< 10	< 1	0.11	10	0.05	250
BB34349	201 202	0.6	1.31	56	< 10	360	2.5	< 2	2.14	5.5	12	27	182	5.84	< 10	< 1	0.19	30	0.10	60
BB34350	201 202	2.0	0.49	24	< 10	230	< 0.5	< 2	0.21	0.5	2	8	16	1.26	< 10	< 1	0.12	30	0.03	60
BB34351	201 202	2.8	0.71	66	< 10	300	1.0	< 2	0.30	7.5	13	6	91	3.97	< 10	< 1	0.09	50	0.10	320
BB34352	201 202	0.2	0.65	18	10	140	< 0.5	< 2	0.21	0.5	9	7	25	2.48	< 10	< 1	0.12	30	0.12	155

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## CERTIFICATE OF ANALYSIS A9927235

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB34313	201 202	9 < 0.01		39	1070	22	0.03	< 2	2	11	0.01	< 10	< 10	50	< 10	170
BB34314	201 202	13 < 0.01		50	1180	24	0.03	< 2	1	11	0.01	< 10	< 10	44	< 10	102
BB34315	201 202	7 < 0.01		27	1390	20	0.07	< 2	< 1	11	< 0.01	< 10	< 10	49	< 10	112
BB34316	201 202	16	0.01	47	1740	20	0.09	< 2	< 1	10	< 0.01	< 10	< 10	46	< 10	142
BB34317	201 202	58	0.01	110	970	24	0.05	6	7	12	< 0.01	< 10	< 10	49	< 10	618
BB34318	201 202	24 < 0.01		40	700	22	0.03	< 2	1	8	< 0.01	< 10	< 10	44	< 10	140
BB34319	201 202	11 < 0.01		53	1410	32	0.03	2	4	14	0.01	< 10	< 10	37	< 10	236
BB34320	201 202	24	0.01	47	840	28	0.03	< 2	1	7	< 0.01	< 10	< 10	48	< 10	260
BB34321	201 202	19 < 0.01		42	2330	46	0.08	< 2	< 1	15	< 0.01	< 10	< 10	62	< 10	182
BB34322	201 202	107	0.06	284	5190	7900	0.08	6	3	97	< 0.01	< 10	10	92	< 10	4340
BB34323	201 202	7 < 0.01		39	1420	122	0.06	< 2	1	9	< 0.01	< 10	< 10	33	< 10	172
BB34324	201 202	2 < 0.01		50	520	32	0.01	< 2	8	3	< 0.01	< 10	< 10	9	< 10	44
BB34325	201 202	3 < 0.01		73	1630	30	0.01	< 2	3	4	< 0.01	< 10	< 10	17	< 10	286
BB34326	201 202	5	0.01	44	1550	62	0.03	< 2	4	13	< 0.01	< 10	< 10	34	< 10	338
BB34327	201 202	8 < 0.01		42	2760	78	0.15	< 2	3	25	< 0.01	< 10	< 10	43	< 10	264
BB34328	201 202	5 < 0.01		29	1780	38	0.09	< 2	1	18	< 0.01	< 10	< 10	33	< 10	174
BB34329	201 202	7 < 0.01		54	2710	70	0.16	< 2	< 1	18	< 0.01	< 10	< 10	56	< 10	276
BB34330	201 202	6 < 0.01		62	1830	38	0.03	< 2	2	9	< 0.01	< 10	< 10	32	< 10	392
BB34331	201 202	21	0.01	53	3710	334	0.06	4	< 1	17	< 0.01	< 10	< 10	90	< 10	416
BB34332	201 202	17	0.01	86	2020	74	0.07	2	3	25	0.01	< 10	< 10	100	< 10	910
BB34333	201 202	9	0.01	79	990	26	0.04	< 2	3	16	< 0.01	< 10	< 10	41	< 10	828
BB34334	201 202	11 < 0.01		31	1010	30	0.06	2	1	22	< 0.01	< 10	< 10	63	< 10	388
BB34335	201 202	10 < 0.01		19	1480	40	0.06	< 2	< 1	22	< 0.01	< 10	< 10	78	< 10	112
BB34336	201 202	15	0.03	20	890	104	0.16	2	2	23	0.01	< 10	< 10	71	< 10	166
BB34337	201 202	23	0.01	124	1150	20	< 0.01	2	6	10	< 0.01	< 10	< 10	54	< 10	714
BB34338	201 202	14	0.01	121	2420	24	0.01	< 2	6	17	< 0.01	< 10	< 10	43	< 10	554
BB34339	201 202	5	0.01	74	2090	12	0.92	< 2	1	37	< 0.01	< 10	60	24	< 10	194
BB34340	201 202	7 < 0.01		43	1570	36	0.03	< 2	4	12	< 0.01	< 10	< 10	45	< 10	258
BB34341	201 202	9	0.01	73	3360	60	0.28	< 2	4	45	< 0.01	< 10	< 10	46	< 10	506
BB34342	201 202	7	0.01	68	2750	48	0.05	< 2	1	15	< 0.01	< 10	< 10	42	< 10	318
BB34343	201 202	6 < 0.01		18	1400	32	0.05	< 2	< 1	12	< 0.01	< 10	< 10	42	< 10	108
BB34344	201 202	3	0.01	21	1200	52	0.07	< 2	3	17	< 0.01	< 10	10	34	< 10	238
BB34345	201 202	3 < 0.01		49	1220	24	0.03	< 2	1	3	< 0.01	< 10	< 10	10	< 10	152
BB34346	201 202	9 < 0.01		39	1620	72	0.05	< 2	< 1	6	< 0.01	< 10	< 10	34	< 10	210
BB34347	201 202	11 < 0.01		57	2730	258	0.09	2	1	25	< 0.01	< 10	< 10	48	< 10	244
BB34348	201 202	5	0.01	24	1920	44	0.15	< 2	< 1	18	< 0.01	< 10	< 10	22	< 10	88
BB34349	201 202	13	0.01	225	>10000	80	0.09	4	3	72	< 0.01	< 10	< 10	116	< 10	1025
BB34350	201 202	50	0.01	18	750	28	0.13	2	< 1	12	< 0.01	< 10	< 10	56	< 10	88
BB34351	201 202	43	0.01	106	620	34	0.04	4	10	9	< 0.01	< 10	< 10	79	< 10	592
BB34352	201 202	11 < 0.01		36	1420	26	0.03	2	1	13	< 0.01	< 10	< 10	32	< 10	164

CERTIFICATION:



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

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



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

Project: SELWYN-HP  
Comments:

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Total: 6  
Certificate Date: 07-SEP-1999  
Invoice No.: 19927235  
P.O. Number:  
Account: MPO

## CERTIFICATE OF ANALYSIS A9927235

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
BB34353	201 202	0.8	1.37	16	< 10	580	< 0.5	< 2	0.57	0.5	16	11	41	3.57	< 10	< 1	0.13	50	0.19	790
BB34354	201 202	1.4	0.68	32	< 10	560	< 0.5	< 2	1.15	2.0	13	6	74	3.59	< 10	< 1	0.13	30	0.43	250
BB34355	201 202	3.8	0.95	52	< 10	360	< 0.5	< 2	1.36	13.5	10	13	165	2.90	< 10	< 1	0.21	30	0.42	255
BB34356	201 202	< 0.2	1.25	14	< 10	140	< 0.5	< 2	0.14	0.5	10	13	15	2.28	< 10	< 1	0.14	30	0.80	210
BB34357	201 202	0.2	1.17	8	< 10	140	< 0.5	< 2	0.21	0.5	9	14	18	2.46	< 10	< 1	0.08	20	0.55	200
BB34358	201 202	0.2	1.53	16	< 10	340	< 0.5	< 2	0.12	< 0.5	8	15	18	2.50	< 10	< 1	0.11	20	0.88	305
BB34359	201 202	0.2	1.57	32	< 10	210	< 0.5	< 2	0.11	< 0.5	10	20	33	4.20	< 10	< 1	0.13	20	0.40	225
BB34360	201 202	0.2	1.22	30	< 10	260	< 0.5	< 2	0.15	0.5	9	19	32	3.73	< 10	< 1	0.14	10	0.27	155
BB34361	201 202	0.6	1.94	32	< 10	440	< 0.5	< 2	0.19	5.0	9	32	135	3.07	< 10	< 1	0.34	40	1.35	200
BB34362	201 202	1.2	0.34	16	< 10	170	< 0.5	< 2	9.99	6.0	8	3	50	2.30	< 10	< 1	0.15	10	0.36	140
BB34363	201 202	1.6	0.88	42	< 10	420	< 0.5	< 2	0.56	0.5	17	13	48	3.54	< 10	< 1	0.15	40	0.23	720
BB34364	201 202	< 0.2	0.89	6	< 10	370	< 0.5	< 2	0.20	< 0.5	9	7	22	2.89	< 10	< 1	0.16	40	0.11	170
BB34365	201 202	1.8	0.40	30	< 10	240	< 0.5	< 2	3.31	5.0	13	6	87	3.30	< 10	< 1	0.14	30	0.37	245
BB34366	201 202	0.6	1.04	24	< 10	470	< 0.5	< 2	0.25	0.5	4	19	27	2.56	< 10	< 1	0.14	20	0.05	35
BB34367	201 202	2.8	3.94	204	< 10	180	4.0	< 2	0.20	8.0	9	20	152	8.72	< 10	1	0.06	30	0.04	40
BB34368	201 202	1.8	1.90	8	10	470	1.5	< 2	2.26	1.5	4	78	102	3.56	< 10	< 1	0.72	40	0.32	60
BB34369	201 202	2.6	1.09	28	10	950	2.5	< 2	1.05	2.0	14	20	96	5.07	< 10	< 1	0.28	30	0.10	100
BB34370	201 202	0.8	1.05	26	< 10	390	< 0.5	< 2	0.29	0.5	12	14	65	4.51	< 10	< 1	0.18	20	0.09	175
BB34371	201 202	< 0.2	0.72	16	< 10	190	< 0.5	< 2	0.04	0.5	12	9	31	4.70	< 10	< 1	0.11	40	0.12	590
BB34372	201 202	< 0.2	0.67	4	< 10	100	< 0.5	< 2	0.01	< 0.5	6	8	23	3.13	< 10	< 1	0.10	20	0.08	195
BB34373	201 202	< 0.2	0.65	14	< 10	190	< 0.5	< 2	0.11	0.5	10	10	50	3.39	< 10	1	0.12	20	0.10	245
BB34374	201 202	0.6	1.19	22	< 10	470	< 0.5	< 2	0.26	0.5	6	16	29	3.44	< 10	< 1	0.14	10	0.29	115
BB34375	201 202	0.2	0.94	22	< 10	430	< 0.5	< 2	0.18	0.5	5	12	25	3.70	< 10	< 1	0.12	20	0.13	135
BB34376	201 202	0.8	0.83	8	< 10	400	< 0.5	< 2	0.30	0.5	9	13	39	2.84	< 10	1	0.19	20	0.18	135
BB34377	201 202	0.2	0.85	10	< 10	270	< 0.5	< 2	0.27	1.5	12	17	49	3.50	< 10	< 1	0.23	30	0.29	235
BB34378	201 202	1.6	1.03	8	< 10	580	< 0.5	< 2	0.45	5.5	10	25	94	3.61	< 10	< 1	0.36	30	0.42	190
BB34379	201 202	1.0	0.83	52	< 10	1310	< 0.5	< 2	0.18	5.0	6	13	59	3.84	< 10	< 1	0.15	10	0.11	145
BB34380	201 202	0.6	0.75	56	< 10	630	< 0.5	< 2	< 0.01	< 0.5	5	9	51	4.12	< 10	1	0.13	10	0.04	60
BB34381	201 202	0.6	0.74	70	< 10	640	< 0.5	< 2	< 0.01	< 0.5	3	8	48	3.89	< 10	< 1	0.13	10	0.02	45
BB34382	201 202	0.6	0.55	38	< 10	890	< 0.5	< 2	0.02	< 0.5	5	8	44	3.59	< 10	< 1	0.13	10	0.04	60
BB34383	201 202	2.0	0.45	38	< 10	1340	< 0.5	< 2	0.22	3.0	14	10	66	3.98	< 10	< 1	0.13	10	0.13	245
BB34384	201 202	1.2	0.77	28	< 10	1190	< 0.5	< 2	0.34	4.5	6	25	61	3.10	< 10	< 1	0.24	10	0.53	100
BB34385	201 202	0.2	0.88	2	< 10	440	< 0.5	< 2	0.18	0.5	7	13	27	2.88	< 10	< 1	0.12	10	0.28	175
BB34386	201 202	2.2	0.84	< 2	< 10	680	< 0.5	< 2	0.44	0.5	13	12	68	5.88	< 10	< 1	0.28	10	0.28	295
BB34387	201 202	0.6	0.90	14	< 10	270	< 0.5	< 2	0.14	< 0.5	13	10	51	4.42	< 10	< 1	0.14	10	0.09	400
BB34388	201 202	0.4	0.47	12	< 10	180	< 0.5	< 2	0.14	0.5	10	8	40	3.11	< 10	< 1	0.09	30	0.06	280
BB34389	201 202	< 0.2	0.60	14	< 10	150	< 0.5	< 2	0.18	< 0.5	5	7	21	1.94	< 10	< 1	0.11	10	0.07	220
BB34390	201 202	0.6	0.47	16	10	430	< 0.5	< 2	0.27	0.5	9	10	44	2.99	< 10	< 1	0.13	20	0.08	190
BB34391	201 202	0.8	0.48	10	10	110	< 0.5	< 2	0.04	< 0.5	22	7	35	3.24	< 10	< 1	0.17	20	0.09	450
BB34392	201 202	0.6	1.50	12	10	220	< 0.5	< 2	0.01	< 0.5	7	26	30	2.93	< 10	< 1	0.29	20	0.71	150

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



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WHITEHORSE, YT  
Y1A 3S9

Page Number : 4-B  
Total : 6  
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Invoice No. : 19927235  
P.O. Number :  
Account : MPO

Project : SELWYN-HP  
Comments :

## CERTIFICATE OF ANALYSIS A9927235

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB34353	201 202	6	0.01	42	1460	36	0.09	< 2	7	22	< 0.01	< 10	< 10	23	< 10	102
BB34354	201 202	41	0.01	72	740	20	0.06	4	7	21	< 0.01	< 10	< 10	53	< 10	304
BB34355	201 202	53	< 0.01	86	780	20	0.04	6	5	26	< 0.01	< 10	< 10	207	< 10	926
BB34356	201 202	4	< 0.01	28	950	16	0.01	< 2	1	8	< 0.01	< 10	< 10	28	< 10	116
BB34357	201 202	5	< 0.01	29	1140	22	0.03	2	1	12	0.01	< 10	< 10	35	< 10	136
BB34358	201 202	4	< 0.01	25	1370	36	0.06	2	1	8	< 0.01	< 10	< 10	34	< 10	92
BB34359	201 202	14	< 0.01	40	1770	38	0.09	8	1	14	< 0.01	< 10	< 10	63	< 10	216
BB34360	201 202	15	< 0.01	39	1910	28	0.11	6	< 1	13	< 0.01	< 10	< 10	64	< 10	214
BB34361	201 202	46	< 0.01	92	1080	18	0.01	6	5	10	0.01	< 10	< 10	358	< 10	846
BB34362	201 202	35	< 0.01	56	630	12	0.12	4	4	149	< 0.01	< 10	< 10	29	< 10	462
BB34363	201 202	21	< 0.01	71	1340	36	0.05	6	11	18	0.01	< 10	< 10	48	< 10	302
BB34364	201 202	10	< 0.01	36	730	16	0.02	< 2	1	10	< 0.01	< 10	< 10	52	< 10	160
BB34365	201 202	37	< 0.01	79	490	14	0.08	6	7	48	< 0.01	< 10	< 10	44	< 10	642
BB34366	201 202	13	0.01	42	4310	26	0.15	6	< 1	112	< 0.01	< 10	< 10	48	< 10	200
BB34367	201 202	306	< 0.01	301	9090	>10000	0.12	8	5	155	< 0.01	< 10	20	271	< 10	3390
BB34368	201 202	9	< 0.01	40	>10000	446	0.56	6	2	140	< 0.01	< 10	< 10	144	< 10	206
BB34369	201 202	24	< 0.01	106	7560	122	0.30	8	5	81	< 0.01	< 10	10	94	< 10	642
BB34370	201 202	8	< 0.01	69	3840	90	0.18	2	1	36	< 0.01	< 10	< 10	45	< 10	294
BB34371	201 202	1	< 0.01	46	1100	46	0.02	2	1	5	< 0.01	< 10	< 10	19	< 10	292
BB34372	201 202	1	< 0.01	34	1120	16	0.03	4	< 1	4	< 0.01	< 10	< 10	14	< 10	114
BB34373	201 202	9	< 0.01	53	1830	54	0.04	4	< 1	8	< 0.01	< 10	< 10	34	< 10	280
BB34374	201 202	11	< 0.01	43	2840	72	0.10	2	< 1	15	< 0.01	< 10	< 10	55	< 10	308
BB34375	201 202	9	< 0.01	32	1770	108	0.06	< 2	1	11	< 0.01	< 10	< 10	48	< 10	284
BB34376	201 202	5	< 0.01	41	1930	40	0.06	< 2	2	13	< 0.01	< 10	< 10	33	< 10	310
BB34377	201 202	8	< 0.01	57	1540	44	0.03	< 2	3	10	< 0.01	< 10	< 10	65	< 10	374
BB34378	201 202	9	< 0.01	110	1660	30	0.02	< 2	4	14	< 0.01	< 10	< 10	91	< 10	1625
BB34379	201 202	22	< 0.01	68	1090	112	0.17	6	4	37	< 0.01	< 10	< 10	63	< 10	560
BB34380	201 202	22	< 0.01	25	890	144	0.24	8	4	34	< 0.01	< 10	< 10	47	< 10	228
BB34381	201 202	20	< 0.01	19	820	124	0.22	8	3	31	< 0.01	< 10	< 10	42	< 10	198
BB34382	201 202	15	0.01	21	870	62	0.20	4	3	37	< 0.01	< 10	< 10	31	< 10	204
BB34383	201 202	13	< 0.01	75	890	38	0.11	2	4	28	< 0.01	< 10	< 10	25	< 10	406
BB34384	201 202	59	< 0.01	89	1190	22	0.20	10	3	39	< 0.01	< 10	< 10	207	< 10	792
BB34385	201 202	2	< 0.01	37	1520	40	0.03	< 2	3	10	< 0.01	< 10	< 10	22	< 10	360
BB34386	201 202	4	0.01	69	3910	48	0.40	< 2	3	128	< 0.01	< 10	< 10	21	< 10	296
BB34387	201 202	4	< 0.01	49	2160	54	0.11	2	1	16	< 0.01	< 10	< 10	20	< 10	282
BB34388	201 202	6	< 0.01	45	1450	28	0.01	< 2	1	8	< 0.01	< 10	< 10	21	< 10	238
BB34389	201 202	7	< 0.01	27	1230	14	0.04	2	< 1	8	< 0.01	< 10	< 10	24	< 10	134
BB34390	201 202	7	< 0.01	62	1210	14	0.05	6	1	10	< 0.01	< 10	< 10	37	< 10	266
BB34391	201 202	< 1	< 0.01	49	560	24	0.02	2	1	3	< 0.01	< 10	< 10	11	< 10	22
BB34392	201 202	8	< 0.01	37	880	38	0.13	< 2	< 1	8	0.01	< 10	< 10	92	< 10	140

CERTIFICATION:



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Page: 5-A  
Total: 6  
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## CERTIFICATE OF ANALYSIS A9927235

SAMPLE	PREP CODE		Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
			ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
BB34393	201	202	0.6	0.59	12	< 10	310	< 0.5	< 2	0.05	< 0.5	7	14	30	2.09	< 10	< 1	0.14	10	0.10	130
BB34394	201	202	7.2	0.57	26	< 10	510	< 0.5	< 2	0.17	8.0	1	44	89	3.62	< 10	< 1	0.28	50	0.02	35
BB34395	201	202	1.8	0.34	26	< 10	200	< 0.5	< 2	< 0.01	< 0.5	< 1	11	17	1.60	< 10	< 1	0.23	30	0.02	15
BB34396	201	202	2.0	0.44	38	< 10	270	< 0.5	< 2	0.81	7.0	15	5	94	3.43	< 10	< 1	0.14	40	0.22	290
BB34397	201	202	0.2	1.01	30	< 10	420	< 0.5	< 2	0.10	1.0	12	11	43	3.68	< 10	< 1	0.12	30	0.17	170
BB34398	201	202	< 0.2	1.06	18	< 10	270	< 0.5	< 2	0.20	< 0.5	9	11	23	2.34	< 10	< 1	0.12	30	0.35	325
BB34399	201	202	0.2	1.41	14	< 10	280	< 0.5	< 2	0.62	1.0	12	16	29	2.78	< 10	< 1	0.18	30	0.81	385
BB34400	201	202	0.6	1.01	8	< 10	290	< 0.5	< 2	0.22	0.5	11	12	44	3.01	< 10	< 1	0.14	30	0.31	285
BB34401	201	202	0.4	1.33	14	< 10	300	< 0.5	< 2	0.08	< 0.5	8	14	20	2.68	< 10	< 1	0.16	20	0.37	225
BB34402	201	202	0.6	0.95	18	< 10	230	< 0.5	< 2	0.18	0.5	7	11	34	2.47	< 10	< 1	0.13	20	0.23	190
BB34403	201	202	< 0.2	0.96	34	< 10	280	< 0.5	< 2	0.10	2.0	9	11	33	3.54	< 10	< 1	0.16	30	0.22	150
BB34404	201	202	< 0.2	1.02	32	< 10	240	< 0.5	< 2	0.21	1.0	13	12	32	3.30	< 10	< 1	0.20	30	0.23	245
BB34405	201	202	0.2	0.96	16	< 10	630	< 0.5	< 2	0.29	< 0.5	7	12	26	2.70	< 10	< 1	0.15	30	0.25	190
BB34406	201	202	0.8	0.98	40	< 10	390	< 0.5	< 2	0.25	1.0	8	17	55	3.49	< 10	< 1	0.24	30	0.23	175
BB34407	201	202	0.4	0.77	32	< 10	340	< 0.5	< 2	0.16	1.0	15	12	43	4.06	< 10	< 1	0.16	30	0.13	240
BB34408	201	202	4.4	0.86	80	< 10	210	< 0.5	< 2	0.13	2.5	20	11	202	5.03	< 10	< 1	0.14	40	0.10	390
BB34409	201	202	3.8	0.49	14	< 10	190	< 0.5	< 2	0.09	< 0.5	< 1	13	24	1.10	< 10	< 1	0.17	20	0.03	25
BB34410	201	202	1.0	0.77	16	< 10	300	< 0.5	< 2	0.08	0.5	5	16	35	2.82	< 10	< 1	0.19	20	0.06	70
BB34411	201	202	0.2	0.59	< 2	< 10	130	< 0.5	< 2	0.01	< 0.5	12	10	45	3.81	< 10	< 1	0.15	30	0.11	135
BB34412	201	202	0.6	1.00	10	< 10	190	< 0.5	< 2	0.03	< 0.5	9	13	31	3.48	< 10	< 1	0.14	10	0.16	245
BB34413	201	202	0.6	0.45	2	< 10	390	< 0.5	< 2	0.31	< 0.5	11	5	27	2.69	< 10	< 1	0.14	10	0.08	290
BB34414	201	202	1.2	0.93	20	< 10	400	< 0.5	< 2	0.04	0.5	21	10	67	3.91	< 10	< 1	0.13	10	0.07	1035
BB34415	201	202	0.2	0.66	8	< 10	200	< 0.5	< 2	0.04	< 0.5	3	9	12	1.53	< 10	< 1	0.12	10	0.07	205
BB34416	201	202	1.2	0.67	14	< 10	170	< 0.5	< 2	0.35	2.0	19	9	52	5.03	< 10	< 1	0.09	50	0.09	720
BB34417	201	202	1.0	1.09	36	< 10	700	< 0.5	< 2	0.66	0.5	12	18	75	4.65	< 10	< 1	0.25	30	0.16	645
BB34418	201	202	0.8	1.01	30	< 10	470	< 0.5	< 2	0.07	< 0.5	6	19	42	4.22	< 10	< 1	0.26	20	0.15	90
BB34419	201	202	0.2	1.15	12	< 10	190	< 0.5	< 2	0.16	0.5	11	18	65	5.49	< 10	< 1	0.24	20	0.24	280
BB34420	201	202	< 0.2	0.60	18	< 10	230	< 0.5	< 2	0.15	0.5	4	9	38	2.36	< 10	< 1	0.12	10	0.10	85
BB34421	201	202	0.6	0.84	12	< 10	360	< 0.5	< 2	0.64	1.5	4	15	26	2.96	< 10	< 1	0.15	20	0.31	115
BB34422	201	202	1.8	0.35	40	< 10	240	< 0.5	< 2	5.79	7.0	9	5	88	2.53	< 10	< 1	0.14	10	1.64	200
BB34423	201	202	2.0	0.55	34	< 10	310	< 0.5	< 2	4.13	7.5	10	11	106	2.67	< 10	< 1	0.19	20	0.93	195
BB34424	201	202	2.2	0.47	34	< 10	500	< 0.5	< 2	5.31	8.5	12	7	113	2.77	< 10	< 1	0.17	20	0.86	265
BB34425	201	202	2.0	0.59	20	< 10	260	< 0.5	< 2	2.53	6.5	7	14	55	2.26	< 10	< 1	0.14	20	0.54	85
BB34426	201	202	2.0	0.68	36	< 10	280	0.5	< 2	1.54	6.5	11	23	96	2.77	< 10	< 1	0.18	20	0.57	120
BB34427	201	202	2.0	0.65	38	< 10	320	< 0.5	< 2	2.32	6.0	10	15	88	2.67	< 10	< 1	0.21	20	0.64	155
BB34428	201	202	1.2	0.40	30	< 10	120	< 0.5	< 2	3.78	2.5	16	7	60	3.67	< 10	< 1	0.17	10	0.94	180
BB34429	201	202	1.8	0.56	28	< 10	200	0.5	< 2	2.30	5.5	10	17	87	2.46	< 10	< 1	0.17	10	0.57	150
BB34430	201	202	2.4	0.48	32	< 10	270	< 0.5	< 2	3.53	6.0	10	7	98	2.60	< 10	< 1	0.13	10	0.80	160
BB34431	201	202	1.6	0.47	26	< 10	160	< 0.5	< 2	2.83	6.0	10	14	88	2.47	< 10	< 1	0.14	10	0.47	155
BB34433	201	202	2.0	0.37	34	< 10	160	< 0.5	< 2	4.34	5.0	12	5	94	2.90	< 10	< 1	0.14	10	1.50	220

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



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

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

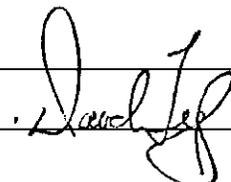
To: EXPATRIATE RESOURCES LTD.  
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
BOX 4127, 2054 SECOND AVE.  
WHITEHORSE, YT  
Y1A 3S9

Project : SELWYN-HP  
Comments:

Page Number : 5-B  
Total : 6  
Certificate Date: 07-SEP-1999  
Invoice No. : 19927235  
P.O. Number :  
Account : MPO

## CERTIFICATE OF ANALYSIS A9927235

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	
BB34393	201 202	8 < 0.01		34	1450	48	0.15	< 2	< 1	14 < 0.01	< 10	< 10		59	< 10	142	
BB34394	201 202	22 < 0.01		14	3440	876	0.60	6	2	266 < 0.01	< 10	< 10		203	< 10	140	
BB34395	201 202	47 < 0.01		5	520	50	0.37	4	< 1	7 < 0.01	< 10	< 10		93	< 10	10	
BB34396	201 202	46 < 0.01		77	790	20	0.05	12	7	18 < 0.01	< 10	< 10		57	< 10	650	
BB34397	201 202	24	0.03	56	1240	32	0.04	< 2	1	10 < 0.01	< 10	< 10		47	< 10	306	
BB34398	201 202	6	0.03	28	960	18	0.01	< 2	2	12	0.01	< 10	< 10		36	< 10	132
BB34399	201 202	8	0.01	43	1990	26	0.02	4	6	20	0.01	< 10	< 10		50	< 10	272
BB34400	201 202	23	0.01	53	1480	36	0.05	6	1	15 < 0.01	< 10	< 10		59	< 10	326	
BB34401	201 202	10	0.01	31	1760	18	0.07	2	< 1	10 < 0.01	< 10	< 10		46	< 10	162	
BB34402	201 202	13	0.02	56	2010	24	0.06	2	< 1	12 < 0.01	< 10	< 10		39	< 10	378	
BB34403	201 202	14 < 0.01		84	1630	20	0.06	2	1	10 < 0.01	< 10	< 10		45	< 10	606	
BB34404	201 202	14 < 0.01		72	1480	16	0.04	6	3	13 < 0.01	< 10	< 10		42	< 10	482	
BB34405	201 202	16	0.01	36	1050	38	0.07	2	1	18 < 0.01	< 10	< 10		59	< 10	228	
BB34406	201 202	43	0.01	53	2580	240	0.28	10	2	36 < 0.01	< 10	< 10		105	< 10	358	
BB34407	201 202	34 < 0.01		64	1180	78	0.14	6	1	20 < 0.01	< 10	< 10		60	< 10	260	
BB34408	201 202	107 < 0.01		178	990	50	0.04	18	3	6 < 0.01	< 10	< 10		141	< 10	1010	
BB34409	201 202	55 < 0.01		7	650	72	0.20	2	< 1	9 < 0.01	< 10	< 10		93	< 10	20	
BB34410	201 202	16	0.01	31	2000	280	0.21	2	< 1	40 < 0.01	< 10	< 10		80	< 10	286	
BB34411	201 202	5 < 0.01		39	700	34	0.04	2	< 1	7 < 0.01	< 10	< 10		30	< 10	88	
BB34412	201 202	6	0.01	30	1280	46	0.09	2	< 1	11 < 0.01	< 10	< 10		38	< 10	122	
BB34413	201 202	3 < 0.01		21	870	18	0.05	< 2	3	9 < 0.01	< 10	< 10		13	< 10	48	
BB34414	201 202	8	0.01	64	2380	38	0.15	2	< 1	12 < 0.01	< 10	< 10		38	< 10	368	
BB34415	201 202	7	0.01	16	1190	40	0.07	< 2	< 1	12 < 0.01	< 10	< 10		43	< 10	110	
BB34416	201 202	4 < 0.01		83	1910	34	0.03	6	4	10 < 0.01	< 10	< 10		17	< 10	264	
BB34417	201 202	8 < 0.01		54	5120	50	0.12	2	1	35 < 0.01	< 10	< 10		67	< 10	244	
BB34418	201 202	14	0.01	42	2450	80	0.21	6	< 1	33 < 0.01	< 10	< 10		86	< 10	238	
BB34419	201 202	13	0.01	66	2540	82	0.06	2	1	11 < 0.01	< 10	< 10		62	< 10	456	
BB34420	201 202	10	0.01	31	1330	38	0.05	4	< 1	9 < 0.01	< 10	< 10		60	< 10	220	
BB34421	201 202	7 < 0.01		46	1900	58	0.06	2	3	16 < 0.01	< 10	< 10		56	< 10	598	
BB34422	201 202	27 < 0.01		58	780	22	0.18	2	4	84 < 0.01	< 10	< 10		56	< 10	690	
BB34423	201 202	30 < 0.01		83	1310	62	0.09	6	5	71	0.01	< 10	< 10		97	< 10	948
BB34424	201 202	24 < 0.01		76	1040	34	0.16	6	5	89 < 0.01	< 10	< 10		66	< 10	922	
BB34425	201 202	18 < 0.01		142	1250	38	0.09	4	4	42	0.04	< 10	< 10		131	< 10	1735
BB34426	201 202	25 < 0.01		140	2260	88	0.09	6	4	43	0.05	< 10	< 10		153	< 10	1090
BB34427	201 202	22 < 0.01		99	2850	142	0.14	8	4	44	0.01	< 10	< 10		123	< 10	956
BB34428	201 202	31 < 0.01		100	1540	68	0.73	2	4	57	0.01	< 10	< 10		51	< 10	430
BB34429	201 202	24 < 0.01		118	2100	86	0.12	4	4	51	0.04	< 10	< 10		128	< 10	796
BB34430	201 202	30	0.01	78	1310	26	0.20	6	2	52 < 0.01	< 10	< 10		76	< 10	718	
BB34431	201 202	26 < 0.01		115	2180	70	0.18	6	4	61	0.04	< 10	< 10		120	< 10	802
BB34433	201 202	31 < 0.01		80	1510	92	0.29	8	4	73 < 0.01	< 10	< 10		51	< 10	796	

CERTIFICATION: 



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Page Number : 6-A  
 Total : 6  
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 Invoice No. : I9927235  
 P.O. Number :  
 Account : MPO

Project : SELWYN-HP  
 Comments:

## CERTIFICATE OF ANALYSIS A9927235

SAMPLE	PREP CODE		Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
			ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
BB34434	201	202	2.0	0.64	30	10	320	< 0.5	< 2	2.33	5.5	12	14	103	3.16	< 10	< 1	0.25	20	0.52	255
BB34435	201	202	1.2	0.58	22	10	200	< 0.5	< 2	0.94	4.0	11	8	68	2.77	< 10	< 1	0.18	30	0.34	190
BB34436	201	202	1.2	0.77	28	10	320	< 0.5	< 2	1.74	3.0	13	17	83	3.19	< 10	< 1	0.27	30	0.38	240
BB34437	201	202	1.8	0.57	32	< 10	210	< 0.5	< 2	4.14	6.5	11	10	104	2.61	< 10	< 1	0.22	10	0.96	165
BB34438	201	202	1.2	0.69	26	10	230	< 0.5	< 2	0.64	4.0	11	10	62	2.79	< 10	< 1	0.19	30	0.37	210
BB34439	201	202	2.2	0.52	58	10	250	< 0.5	< 2	1.40	7.0	11	12	105	3.22	< 10	< 1	0.15	10	0.37	160
BB34440	201	202	1.8	0.54	40	< 10	260	< 0.5	< 2	0.78	5.5	11	12	87	2.93	< 10	1	0.14	20	0.28	155
BB34441	201	202	0.6	0.37	30	< 10	180	< 0.5	< 2	1.91	1.0	18	4	42	3.73	< 10	1	0.11	10	0.45	190
BB34442	201	202	1.4	0.45	24	10	260	< 0.5	< 2	0.69	2.5	9	7	51	2.79	< 10	< 1	0.11	20	0.24	195
BB34443	201	202	0.8	0.46	16	10	180	< 0.5	< 2	0.47	2.0	8	7	31	2.18	< 10	< 1	0.10	30	0.14	140

CERTIFICATION: *[Signature]*



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 WHITEHORSE, YT  
 Y1A 3S9

Project: SELWYN-HP  
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 Certificate Date: 07-SEP-1999  
 Invoice No.: 19927235  
 P.O. Number:  
 Account: MPO

## CERTIFICATE OF ANALYSIS

### A9927235

SAMPLE	PREP CODE		Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BB34434	201	202	28 < 0.01		106	3890	144	0.23	6	4	56	0.01	< 10	< 10	95	< 10	978
BB34435	201	202	21 < 0.01		70	1620	76	0.06	6	5	23 < 0.01	< 10	< 10	53	< 10	672	
BB34436	201	202	19 < 0.01		98	3340	58	0.10	8	5	39 < 0.01	< 10	< 10	84	< 10	556	
BB34437	201	202	31 < 0.01		73	1450	98	0.32	6	4	76 < 0.01	< 10	< 10	91	< 10	822	
BB34438	201	202	19 < 0.01		66	1550	88	0.10	6	4	20 < 0.01	< 10	< 10	61	< 10	646	
BB34439	201	202	29 < 0.01		107	1960	248	0.14	10	4	42 < 0.01	< 10	< 10	88	< 10	1200	
BB34440	201	202	23 < 0.01		91	2180	280	0.14	8	4	36 < 0.01	< 10	< 10	76	< 10	1085	
BB34441	201	202	19 < 0.01		80	1280	46	0.51	2	5	35 < 0.01	< 10	< 10	17	< 10	172	
BB34442	201	202	18 < 0.01		55	1540	30	0.06	2	3	19 < 0.01	< 10	< 10	41	< 10	382	
BB34443	201	202	9 < 0.01		40	1540	68	0.07	2	2	19 < 0.01	< 10	< 10	33	< 10	298	

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



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Y1A 3S9

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Invoice No. : 19926856  
P.O. Number :  
Account : MPO

Project : SELWYN-HP  
Comments:

## CERTIFICATE OF ANALYSIS

A9926856

SAMPLE	PREP CODE		Zn %									
BB34065	212	--	1.11									

CERTIFICATION: 



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British Columbia, Canada V7J 2C1  
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BOX 4127, 2054 SECOND AVE.  
WHITEHORSE, YT  
Y1A 3S9

Project: SELWYN-HP  
Comments:

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Total: 8  
Certificate Date: 23-AUG-1999  
Invoice No.: 19925909  
P.O. Number:  
Account: MPO

## CERTIFICATE OF ANALYSIS A9925909

SAMPLE	PREP		Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
	CODE		ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
BB32603	201	202	0.2	0.83	28	< 10	100	0.5	< 2	0.17	0.5	12	9	31	2.66	< 10	< 1	0.08	30	0.42	235
BB32604	201	202	< 0.2	0.89	28	< 10	200	< 0.5	< 2	0.07	< 0.5	9	9	29	3.05	< 10	< 1	0.08	20	0.15	140
BB32605	201	202	0.2	0.61	28	< 10	270	< 0.5	< 2	0.05	< 0.5	5	10	29	2.64	< 10	< 1	0.13	10	0.06	55
BB32606	201	202	0.2	0.95	32	< 10	300	0.5	< 2	0.11	0.5	9	15	41	3.52	< 10	< 1	0.15	20	0.15	210
BB32607	201	202	0.2	0.77	24	< 10	200	0.5	< 2	0.44	0.5	13	11	54	2.99	< 10	< 1	0.16	30	0.12	255
BB32608	201	202	< 0.2	0.56	6	< 10	120	< 0.5	< 2	0.06	< 0.5	3	4	10	1.06	< 10	< 1	0.08	10	0.04	105
BB32609	201	202	< 0.2	0.54	36	< 10	270	< 0.5	< 2	0.28	< 0.5	10	3	25	3.12	< 10	< 1	0.06	10	0.10	105
BB32610	201	202	< 0.2	0.62	14	< 10	180	< 0.5	< 2	0.06	< 0.5	5	7	19	1.96	< 10	< 1	0.08	10	0.06	135
BB32611	201	202	0.4	0.53	26	< 10	160	0.5	< 2	0.26	2.5	12	5	41	2.76	< 10	1	0.10	30	0.15	335
BB32612	201	202	0.2	0.81	28	< 10	240	< 0.5	< 2	0.01	< 0.5	6	13	29	3.06	< 10	< 1	0.11	10	0.06	55
BB32613	201	202	< 0.2	0.87	18	< 10	180	< 0.5	< 2	0.10	< 0.5	10	7	22	2.67	< 10	< 1	0.15	20	0.14	250
BB32614	201	202	< 0.2	1.11	24	< 10	180	0.5	< 2	0.06	0.5	13	10	29	3.28	< 10	< 1	0.11	30	0.31	310
BB32615	201	202	0.6	0.83	26	< 10	230	0.5	< 2	0.14	1.5	11	10	34	2.65	< 10	< 1	0.13	30	0.20	295
BB32616	201	202	< 0.2	0.92	122	< 10	300	1.5	< 2	0.17	38.5	61	10	27	13.50	< 10	1	0.08	10	0.13	1735
BB32617	201	202	0.8	1.16	28	< 10	380	0.5	< 2	0.19	3.0	15	12	52	3.21	< 10	< 1	0.16	30	0.32	355
BB32618	201	202	1.0	0.82	26	< 10	310	0.5	< 2	0.24	2.5	12	11	60	3.05	< 10	< 1	0.13	30	0.15	185
BB32619	201	202	0.8	0.39	16	< 10	180	0.5	< 2	0.32	1.5	11	8	45	2.80	< 10	< 1	0.13	20	0.12	185
BB32620	201	202	1.6	0.99	18	< 10	240	0.5	< 2	0.47	0.5	12	11	73	7.82	< 10	< 1	0.45	20	0.05	375
BB32621	201	202	0.2	0.79	10	< 10	160	< 0.5	< 2	0.02	< 0.5	9	7	26	3.23	< 10	< 1	0.12	10	0.11	365
BB32622	201	202	0.2	1.28	16	< 10	180	0.5	< 2	0.03	< 0.5	5	25	25	2.66	< 10	< 1	0.18	20	0.63	85
BB32623	201	202	1.8	0.94	32	< 10	170	0.5	< 2	0.14	1.5	11	14	59	3.26	< 10	< 1	0.12	30	0.22	200
BB32624	201	202	0.4	1.33	24	< 10	330	1.5	< 2	0.83	1.0	9	38	46	3.15	< 10	< 1	0.25	10	0.52	165
BB32625	201	202	1.2	1.00	42	< 10	180	3.0	< 2	0.80	9.5	13	17	127	4.55	< 10	< 1	0.08	20	0.07	395
BB32626	201	202	1.0	0.89	28	< 10	210	1.0	< 2	0.41	8.0	8	13	55	2.83	< 10	< 1	0.14	10	0.19	195
BB32627	201	202	0.8	0.65	22	< 10	350	0.5	< 2	0.94	4.0	16	6	57	3.34	< 10	< 1	0.11	30	0.17	255
BB32628	201	202	< 0.2	0.90	20	< 10	170	< 0.5	< 2	0.13	< 0.5	10	8	22	2.90	< 10	< 1	0.09	20	0.28	150
BB32629	201	202	< 0.2	1.24	26	< 10	320	< 0.5	< 2	0.05	< 0.5	8	12	14	3.92	< 10	< 1	0.08	10	0.17	210
BB32630	201	202	< 0.2	1.29	20	< 10	240	< 0.5	< 2	0.09	0.5	7	12	20	3.06	< 10	< 1	0.08	30	0.19	355
BB32631	201	202	< 0.2	0.62	28	< 10	120	< 0.5	< 2	0.01	< 0.5	7	6	22	2.44	< 10	< 1	0.07	20	0.08	80
BB32632	201	202	< 0.2	0.74	30	< 10	120	< 0.5	< 2	0.04	< 0.5	8	6	37	2.64	< 10	< 1	0.07	10	0.09	125
BB32633	201	202	< 0.2	0.68	26	< 10	150	< 0.5	< 2	0.01	< 0.5	7	7	26	2.36	< 10	< 1	0.10	20	0.07	150
BB32634	201	202	0.2	1.04	16	< 10	190	0.5	< 2	0.16	1.5	7	9	42	2.11	< 10	< 1	0.10	20	0.17	180
BB32635	201	202	2.2	0.64	30	< 10	150	0.5	< 2	0.26	7.5	38	9	114	3.74	< 10	1	0.18	20	0.23	285
BB32636	201	202	1.4	0.78	38	< 10	280	2.0	< 2	0.59	9.0	18	18	69	4.07	< 10	< 1	0.13	20	0.09	665
BB32637	201	202	1.4	1.36	24	< 10	300	2.0	< 2	2.55	4.5	7	34	161	3.62	< 10	< 1	0.26	30	0.42	400
BB32638	201	202	0.4	1.28	2	< 10	110	0.5	< 2	0.86	2.0	3	8	56	0.88	< 10	1	0.05	< 10	0.20	105
BB32639	201	202	< 0.2	1.32	10	< 10	170	0.5	< 2	0.27	0.5	6	17	26	3.49	< 10	< 1	0.12	10	0.30	250
BB32640	201	202	< 0.2	0.95	4	< 10	80	0.5	< 2	0.05	< 0.5	8	13	18	2.28	< 10	< 1	0.15	10	0.54	240
BB32641	201	202	< 0.2	0.74	8	< 10	320	< 0.5	< 2	0.22	< 0.5	3	9	11	1.27	< 10	< 1	0.12	10	0.14	90
BB32642	201	202	< 0.2	1.34	10	< 10	340	< 0.5	< 2	0.21	< 0.5	4	15	12	1.62	< 10	< 1	0.14	10	0.38	75

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



# Chemex Labs Ltd.

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P.O. Number:  
Account: MPO

Project: SELWYN-HP  
Comments:

## CERTIFICATE OF ANALYSIS

### A9925909

SAMPLE	PREP CODE		Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BB32603	201	202	15 < 0.01		45	1170	24	0.02	2	1	9 < 0.01	< 10	< 10	26	< 10	176	
BB32604	201	202	18 < 0.01		40	1150	42	0.05	2	< 1	9 < 0.01	< 10	< 10	39	< 10	182	
BB32605	201	202	27 < 0.01		34	1020	110	0.20	2	< 1	24 < 0.01	< 10	< 10	66	< 10	182	
BB32606	201	202	30 < 0.01		47	1830	110	0.21	6	1	28 < 0.01	< 10	< 10	75	< 10	240	
BB32607	201	202	14 < 0.01		69	2590	32	0.05	2	3	18 < 0.01	< 10	< 10	43	< 10	326	
BB32608	201	202	8 < 0.01		12	900	40	0.05	< 2	< 1	10 < 0.01	< 10	< 10	26	< 10	68	
BB32609	201	202	13 < 0.01		41	1050	16	0.03	4	< 1	9 < 0.01	< 10	< 10	16	< 10	160	
BB32610	201	202	13 < 0.01		22	970	72	0.05	2	< 1	11 < 0.01	< 10	< 10	31	< 10	134	
BB32611	201	202	17 < 0.01		50	1410	18	0.01	2	3	11 < 0.01	< 10	< 10	24	< 10	320	
BB32612	201	202	20 < 0.01		34	1360	98	0.15	2	< 1	20 < 0.01	< 10	< 10	72	< 10	182	
BB32613	201	202	10 < 0.01		33	1450	20	0.03	2	< 1	8 < 0.01	< 10	< 10	27	< 10	160	
BB32614	201	202	14 < 0.01		54	1150	28	0.03	2	1	7 < 0.01	< 10	< 10	32	< 10	260	
BB32615	201	202	26 < 0.01		42	1300	38	0.07	6	1	12 < 0.01	< 10	< 10	49	< 10	216	
BB32616	201	202	25 < 0.01		172	6410	322	0.06	6	2	19 < 0.01	< 10	< 10	41	< 10	3240	
BB32617	201	202	30 < 0.01		76	1310	116	0.03	8	3	15 < 0.01	< 10	< 10	67	< 10	438	
BB32618	201	202	31 < 0.01		69	1710	166	0.06	6	1	20 < 0.01	< 10	< 10	59	< 10	370	
BB32619	201	202	17 < 0.01		49	1480	86	0.11	2	3	27 < 0.01	< 10	< 10	37	< 10	204	
BB32620	201	202	6 < 0.01		42	9980	74	0.87	< 2	2	55 < 0.01	< 10	< 10	27	< 10	248	
BB32621	201	202	4 < 0.01		24	1010	22	0.04	< 2	1	5 < 0.01	< 10	< 10	18	< 10	56	
BB32622	201	202	20 < 0.01		33	1400	88	0.13	4	< 1	17 < 0.01	< 10	< 10	131	< 10	112	
BB32623	201	202	39 < 0.01		66	1710	134	0.09	4	3	17 < 0.01	< 10	< 10	67	< 10	390	
BB32624	201	202	11 < 0.01		83	6290	78	0.13	2	< 1	26 < 0.01	< 10	< 10	131	< 10	552	
BB32625	201	202	23 < 0.01		153	4060	682	0.07	14	2	23 < 0.01	< 10	10	160	< 10	2320	
BB32626	201	202	21 < 0.01		84	2380	240	0.17	6	1	30 < 0.01	< 10	< 10	65	< 10	1890	
BB32627	201	202	36 < 0.01		95	910	30	0.04	6	4	21 < 0.01	< 10	< 10	35	< 10	538	
BB32628	201	202	9 < 0.01		34	1220	18	0.02	2	1	9 < 0.01	< 10	< 10	23	< 10	134	
BB32629	201	202	6 < 0.01		23	1330	22	0.04	< 2	1	7 < 0.01	< 10	< 10	30	< 10	110	
BB32630	201	202	7 < 0.01		24	1560	44	0.04	< 2	1	11 < 0.01	< 10	< 10	34	< 10	122	
BB32631	201	202	13 < 0.01		29	980	26	0.03	2	< 1	5 < 0.01	< 10	< 10	30	< 10	162	
BB32632	201	202	19 < 0.01		40	1210	22	0.03	6	< 1	6 < 0.01	< 10	< 10	37	< 10	260	
BB32633	201	202	17 < 0.01		32	1100	26	0.04	4	< 1	6 < 0.01	< 10	< 10	47	< 10	198	
BB32634	201	202	17 < 0.01		41	1240	56	0.04	2	1	9 < 0.01	< 10	< 10	54	< 10	464	
BB32635	201	202	53 < 0.01		177	1060	28	0.02	8	4	9 < 0.01	< 10	10	82	< 10	1665	
BB32636	201	202	32 < 0.01		187	2620	156	0.15	10	3	36 < 0.01	< 10	10	296	< 10	1450	
BB32637	201	202	8 < 0.01		405	9310	298	0.13	6	3	44 < 0.01	< 10	10	100	< 10	3590	
BB32638	201	202	1 < 0.03		134	2550	18	0.10	< 2	< 1	21 < 0.01	< 10	< 10	19	< 10	772	
BB32639	201	202	9 < 0.01		30	1780	58	0.10	< 2	< 1	15 < 0.01	< 10	< 10	47	< 10	166	
BB32640	201	202	4 < 0.01		25	1030	54	0.04	2	< 1	6 < 0.01	< 10	< 10	32	< 10	136	
BB32641	201	202	4 < 0.01		13	1370	52	0.06	< 2	< 1	13 < 0.01	< 10	< 10	33	< 10	78	
BB32642	201	202	5 < 0.01		13	990	16	0.04	2	< 1	9 < 0.01	< 10	< 10	48	< 10	68	

CERTIFICATION:



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

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

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

Project: SELWYN-HP  
Comments:

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Total: 8  
Certificate Date: 23-AUG-1999  
Invoice No.: 19925909  
P.O. Number:  
Account: MPO

## CERTIFICATE OF ANALYSIS A9925909

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
BB32643	201 202	0.6	1.53	18	< 10	370	1.0	< 2	0.69	1.5	14	33	46	2.66	< 10	1	0.17	10	1.49	390
BB32644	201 202	1.0	0.88	16	< 10	170	< 0.5	< 2	0.46	6.0	6	11	35	2.45	< 10	< 1	0.07	10	0.32	290
BB32645	201 202	0.4	0.93	24	< 10	220	< 0.5	< 2	0.55	4.5	9	14	48	2.77	< 10	< 1	0.07	10	0.38	245
BB32646	201 202	< 0.2	0.90	18	< 10	180	< 0.5	< 2	0.12	0.5	8	10	27	2.43	< 10	1	0.06	10	0.31	310
BB32647	201 202	< 0.2	0.78	18	< 10	150	< 0.5	< 2	0.19	0.5	11	7	24	2.47	< 10	< 1	0.07	30	0.24	140
BB32648	201 202	< 0.2	0.77	28	< 10	170	< 0.5	< 2	0.15	0.5	11	7	26	2.70	< 10	< 1	0.09	30	0.21	145
BB32649	201 202	0.2	0.73	14	< 10	140	< 0.5	< 2	0.09	0.5	5	8	24	1.84	< 10	< 1	0.08	20	0.13	90
BB32650	201 202	< 0.2	0.47	40	< 10	120	< 0.5	< 2	0.23	0.5	15	3	20	2.52	< 10	< 1	0.05	30	0.05	325
BB32651	201 202	1.6	0.70	28	< 10	200	< 0.5	< 2	0.53	2.0	11	12	130	4.14	< 10	< 1	0.09	20	0.06	260
BB32652	201 202	1.4	0.37	10	< 10	70	1.5	< 2	6.90	19.5	6	6	72	2.92	< 10	< 1	0.04	20	0.05	355
BB32653	201 202	1.8	0.32	38	< 10	200	0.5	< 2	3.42	6.5	8	7	166	3.37	< 10	< 1	0.05	20	0.04	340
BB32654	201 202	< 0.2	1.09	12	10	190	< 0.5	< 2	0.08	< 0.5	8	14	18	1.89	< 10	< 1	0.15	10	0.73	195
BB32655	201 202	0.6	0.77	16	< 10	400	< 0.5	< 2	0.10	< 0.5	13	9	38	3.75	< 10	< 1	0.12	30	0.21	295
BB32656	201 202	0.2	0.43	16	< 10	250	< 0.5	< 2	0.09	< 0.5	18	4	38	4.41	< 10	< 1	0.12	10	0.08	270
BB32657	201 202	1.2	0.58	8	< 10	80	< 0.5	< 2	0.03	< 0.5	31	6	127	5.48	< 10	< 1	0.17	20	0.18	410
BB32658	201 202	0.2	1.71	12	< 10	50	< 0.5	< 2	< 0.01	< 0.5	27	13	56	9.71	< 10	< 1	0.11	10	1.99	270
BB32659	201 202	2.6	1.32	54	< 10	320	5.5	< 2	0.44	8.0	16	7	220	6.02	< 10	< 1	0.04	50	0.04	145
BB32660	201 202	0.2	0.91	34	< 10	210	< 0.5	< 2	0.10	1.0	10	10	48	3.32	< 10	1	0.07	30	0.16	145
BB32661	201 202	< 0.2	0.92	72	< 10	190	< 0.5	< 2	0.07	0.5	18	6	42	3.99	< 10	< 1	0.06	30	0.15	170
BB32662	201 202	0.6	0.72	30	< 10	300	< 0.5	< 2	0.17	0.5	6	11	33	2.36	< 10	< 1	0.13	30	0.09	115
BB32663	201 202	1.2	0.65	28	< 10	260	< 0.5	< 2	0.11	1.5	7	11	51	2.53	< 10	< 1	0.16	40	0.11	155
BB34001	201 202	< 0.2	0.51	14	< 10	470	< 0.5	< 2	0.13	1.5	9	7	31	2.09	< 10	< 1	0.10	30	0.06	495
BB34002	201 202	0.2	0.62	20	< 10	230	< 0.5	< 2	0.02	0.5	5	6	21	1.91	< 10	< 1	0.12	30	0.07	115
BB34003	201 202	0.6	0.67	24	< 10	370	< 0.5	< 2	0.22	2.0	11	4	52	3.94	< 10	< 1	0.11	50	0.10	165
BB34004	201 202	0.6	0.43	44	< 10	180	< 0.5	< 2	0.08	2.0	9	5	110	4.23	< 10	< 1	0.08	40	0.05	120
BB34005	201 202	0.8	0.58	8	< 10	110	< 0.5	< 2	0.02	< 0.5	4	5	18	1.78	< 10	1	0.10	30	0.06	40
BB34006	201 202	1.6	0.29	12	< 10	250	< 0.5	< 2	6.39	6.5	7	3	99	2.47	< 10	< 1	0.11	10	1.48	185
BB34007	201 202	0.8	0.53	20	< 10	250	< 0.5	< 2	1.11	4.5	14	21	65	3.02	< 10	< 1	0.12	30	0.62	240
BB34008	201 202	0.4	0.40	22	< 10	240	< 0.5	< 2	3.43	4.0	12	22	49	2.47	< 10	< 1	0.10	30	2.20	270
BB34009	201 202	0.6	0.51	34	< 10	550	< 0.5	< 2	0.90	2.0	14	23	51	3.05	< 10	< 1	0.08	30	0.22	280
BB34010	201 202	0.4	0.34	20	< 10	240	< 0.5	< 2	3.79	2.0	11	17	46	2.42	< 10	< 1	0.06	10	2.23	220
BB34011	201 202	0.8	0.17	18	< 10	260	< 0.5	< 2	5.43	0.5	13	7	42	2.86	< 10	< 1	0.06	10	1.73	325
BB34012	201 202	0.8	0.23	14	< 10	210	< 0.5	< 2	3.87	2.0	11	11	58	2.59	< 10	1	0.07	10	2.19	205
BB34013	201 202	0.4	0.17	28	< 10	160	< 0.5	< 2	5.71	3.5	15	23	64	2.76	< 10	< 1	0.04	10	3.66	265
BB34014	201 202	0.8	0.17	26	< 10	210	< 0.5	< 2	4.60	6.5	12	20	82	2.76	< 10	2	0.06	< 10	2.80	315
BB34015	201 202	0.8	0.15	16	< 10	210	< 0.5	< 2	5.49	5.0	10	13	85	2.58	< 10	< 1	0.05	10	2.67	260
BB34016	201 202	1.4	0.35	14	< 10	470	< 0.5	< 2	3.07	17.0	11	32	102	2.43	< 10	< 1	0.09	10	1.50	215
BB34017	201 202	1.4	0.53	6	< 10	520	< 0.5	< 2	2.02	9.5	13	28	87	3.02	< 10	< 1	0.11	30	0.35	360
BB34018	201 202	4.4	0.32	108	< 10	220	< 0.5	< 2	3.95	6.0	15	8	169	3.93	< 10	< 1	0.13	30	0.77	170
BB34019	201 202	1.0	0.38	20	< 10	580	< 0.5	< 2	3.35	8.0	12	24	133	2.77	< 10	< 1	0.03	20	1.70	270

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SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB32643	201 202	18 < 0.01		67	2830	54	0.05	4	1	20	0.01	< 10	< 10	130	< 10	300
BB32644	201 202	18 < 0.01		42	2420	4290	0.04	6	1	16	< 0.01	< 10	< 10	64	< 10	2230
BB32645	201 202	16 < 0.01		53	3120	356	0.03	2	1	19	< 0.01	< 10	< 10	116	< 10	1040
BB32646	201 202	21 < 0.01		32	1180	28	0.03	6	1	8	< 0.01	< 10	< 10	31	< 10	290
BB32647	201 202	8 < 0.01		34	1280	16	0.01	< 2	1	10	< 0.01	< 10	< 10	18	< 10	146
BB32648	201 202	16 < 0.01		49	1360	32	0.03	4	1	11	< 0.01	< 10	< 10	24	< 10	162
BB32649	201 202	16 < 0.01		25	1270	100	0.06	4	< 1	16	< 0.01	< 10	< 10	42	< 10	152
BB32650	201 202	8 < 0.01		46	1480	32	0.01	2	2	12	< 0.01	< 10	< 10	10	< 10	222
BB32651	201 202	13 < 0.01		81	5350	272	0.09	4	3	31	< 0.01	< 10	< 10	41	< 10	436
BB32652	201 202	35 < 0.01		61	2400	5530	0.07	6	1	47	< 0.01	< 10	< 10	92	< 10	4320
BB32653	201 202	46 < 0.01		127	3080	372	0.07	14	2	42	< 0.01	< 10	< 10	94	< 10	1730
BB32654	201 202	4 < 0.01		22	630	38	0.03	< 2	1	6	0.01	< 10	< 10	35	< 10	116
BB32655	201 202	5 < 0.01		32	750	36	0.03	< 2	4	7	< 0.01	< 10	< 10	24	< 10	136
BB32656	201 202	7 < 0.01		48	660	28	0.05	< 2	1	4	< 0.01	< 10	< 10	9	< 10	42
BB32657	201 202	< 1 < 0.01		38	700	18	0.02	< 2	4	1	< 0.01	< 10	< 10	6	< 10	14
BB32658	201 202	4 < 0.01		101	660	30	0.02	4	4	3	< 0.01	< 10	< 10	16	< 10	100
BB32659	201 202	115 < 0.01		157	7320	9640	0.06	14	2	173	< 0.01	< 10	< 10	96	< 10	2710
BB32660	201 202	30 < 0.01		55	1140	104	0.04	10	1	11	< 0.01	< 10	< 10	46	< 10	366
BB32661	201 202	26 < 0.01		79	900	46	0.01	2	3	7	< 0.01	< 10	< 10	24	< 10	284
BB32662	201 202	36 < 0.01		27	2010	464	0.24	10	1	52	< 0.01	< 10	< 10	64	< 10	144
BB32663	201 202	43 < 0.01		40	1260	114	0.17	8	3	23	< 0.01	< 10	< 10	71	< 10	262
BB34001	201 202	26 < 0.01		39	990	22	0.03	6	< 1	11	< 0.01	< 10	< 10	48	< 10	290
BB34002	201 202	18 < 0.01		25	1110	18	0.04	2	< 1	6	< 0.01	< 10	< 10	41	< 10	176
BB34003	201 202	36 < 0.01		60	480	22	0.01	8	3	7	< 0.01	< 10	< 10	29	< 10	446
BB34004	201 202	60 < 0.01		77	1000	36	0.02	10	1	6	< 0.01	< 10	< 10	59	< 10	1155
BB34005	201 202	18 < 0.01		22	1190	16	0.04	4	< 1	5	< 0.01	< 10	< 10	37	< 10	84
BB34006	201 202	27 < 0.01		54	660	22	0.15	6	4	114	< 0.01	< 10	< 10	41	< 10	736
BB34007	201 202	57 < 0.01		166	970	22	0.03	6	6	19	< 0.01	< 10	< 10	83	< 10	728
BB34008	201 202	64 < 0.01		170	990	16	0.04	4	6	49	< 0.01	< 10	< 10	80	< 10	596
BB34009	201 202	68 < 0.01		186	1050	18	0.06	6	5	23	< 0.01	< 10	< 10	58	< 10	550
BB34010	201 202	56 < 0.01		145	850	12	0.05	6	5	49	< 0.01	< 10	< 10	53	< 10	418
BB34011	201 202	26 < 0.01		86	750	14	0.08	2	4	75	< 0.01	< 10	< 10	17	< 10	284
BB34012	201 202	46 < 0.01		130	1400	18	0.09	2	4	64	< 0.01	< 10	< 10	32	< 10	448
BB34013	201 202	99 < 0.01		232	1050	14	0.04	2	5	82	< 0.01	< 10	< 10	63	< 10	644
BB34014	201 202	83 < 0.01		185	990	16	0.10	10	5	70	< 0.01	< 10	< 10	84	< 10	862
BB34015	201 202	66 < 0.01		138	1070	16	0.05	14	4	99	< 0.01	< 10	< 10	73	< 10	772
BB34016	201 202	59 < 0.01		198	1490	22	0.07	16	4	49	< 0.01	< 10	< 10	265	< 10	1640
BB34017	201 202	47 < 0.01		164	1610	26	0.07	12	5	56	< 0.01	< 10	< 10	167	< 10	1030
BB34018	201 202	119 < 0.01		224	810	48	0.10	18	7	66	< 0.01	< 10	< 10	150	< 10	972
BB34019	201 202	80 < 0.01		196	1150	18	0.06	12	5	59	< 0.01	< 10	< 10	147	< 10	1100

CERTIFICATION:



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SAMPLE	PREP CODE		Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
			ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
BB34020	201	202	1.2	0.30	32	< 10	360	< 0.5	< 2	3.68	8.0	13	19	84	3.08	< 10	1	0.08	10	1.94	240
BB34021	201	202	1.6	0.68	14	< 10	290	< 0.5	< 2	0.66	3.5	8	7	69	2.05	< 10	< 1	0.13	30	0.23	75
BB34022	201	202	0.6	0.67	20	< 10	350	< 0.5	< 2	0.34	3.0	8	7	41	2.64	< 10	1	0.12	30	0.19	190
BB34023	201	202	0.2	0.72	10	< 10	250	< 0.5	< 2	0.50	3.0	8	6	29	2.49	< 10	< 1	0.09	30	0.13	270
BB34024	201	202	1.2	0.59	18	< 10	460	< 0.5	< 2	1.11	4.5	7	4	34	2.62	< 10	< 1	0.09	10	0.18	170
BB34025	201	202	0.8	0.61	14	< 10	290	< 0.5	< 2	0.99	2.0	7	3	39	1.81	< 10	1	0.06	10	0.31	160
BB34026	201	202	0.6	0.57	26	< 10	540	< 0.5	< 2	0.24	1.0	10	7	51	2.91	< 10	< 1	0.11	20	0.09	200
BB34027	201	202	1.0	0.60	14	< 10	450	< 0.5	< 2	0.76	5.0	8	6	50	2.11	< 10	< 1	0.09	30	0.08	235
BB34028	201	202	0.6	0.70	12	< 10	380	< 0.5	< 2	0.19	1.5	7	6	32	2.00	< 10	1	0.11	30	0.10	225
BB34029	201	202	0.2	0.79	22	< 10	310	< 0.5	< 2	0.10	1.5	9	7	38	3.54	< 10	< 1	0.13	50	0.15	115
BB34030	201	202	< 0.2	0.60	28	< 10	230	< 0.5	< 2	0.28	0.5	12	7	43	4.12	< 10	< 1	0.12	40	0.15	205
BB34031	201	202	0.8	0.74	2	< 10	230	< 0.5	< 2	1.43	6.0	4	5	45	1.91	< 10	1	0.10	20	0.27	65
BB34032	201	202	1.2	0.33	22	< 10	260	< 0.5	< 2	2.83	9.5	11	17	85	2.87	< 10	< 1	0.09	10	1.52	205
BB34033	201	202	0.8	0.23	18	< 10	250	< 0.5	< 2	3.33	7.0	10	15	69	2.67	< 10	1	0.07	10	1.73	205
BB34034	201	202	1.0	0.74	14	< 10	400	< 0.5	< 2	0.70	8.5	9	24	76	2.49	< 10	1	0.09	20	0.13	205
BB34035	201	202	2.2	0.54	2	< 10	370	< 0.5	< 2	0.70	2.0	15	15	78	3.90	< 10	1	0.12	30	0.11	425
BB34036	201	202	2.2	0.32	18	< 10	250	< 0.5	< 2	2.46	2.0	16	13	90	3.59	< 10	< 1	0.11	10	0.98	220
BB34037	201	202	2.4	0.23	24	< 10	190	< 0.5	< 2	5.51	< 0.5	19	5	102	5.29	< 10	< 1	0.13	10	2.20	345
BB34038	201	202	0.2	0.13	12	< 10	80	< 0.5	< 2	5.84	2.5	10	13	41	2.18	< 10	< 1	0.04	10	3.00	245
BB34039	201	202	0.4	0.19	24	< 10	90	< 0.5	< 2	3.56	11.0	14	17	63	3.00	< 10	< 1	0.07	10	2.00	210
BB34040	201	202	1.2	0.47	20	< 10	280	< 0.5	< 2	3.76	12.5	12	26	98	2.76	< 10	< 1	0.12	10	1.99	215
BB34041	201	202	0.6	0.32	14	< 10	190	< 0.5	< 2	3.98	16.0	9	15	51	2.62	< 10	< 1	0.09	20	2.37	190
BB34042	201	202	1.4	0.32	18	< 10	160	< 0.5	< 2	3.02	2.5	19	12	93	3.64	< 10	3	0.11	20	1.56	260
BB34043	201	202	2.4	0.69	20	< 10	960	< 0.5	< 2	0.80	7.0	13	16	94	4.16	< 10	1	0.29	20	0.09	125
BB34044	201	202	1.4	0.28	8	< 10	280	< 0.5	< 2	4.45	13.5	12	18	89	2.63	< 10	< 1	0.09	10	2.51	250
BB34045	201	202	1.8	0.52	10	< 10	610	< 0.5	< 2	4.30	22.5	9	29	113	2.30	< 10	< 1	0.09	10	0.65	240
BB34046	201	202	3.2	0.63	40	< 10	670	< 0.5	< 2	1.29	13.0	20	28	158	4.53	< 10	< 1	0.19	30	0.28	365
BB34047	201	202	1.8	0.56	26	< 10	180	< 0.5	< 2	2.74	6.0	12	16	97	2.98	< 10	< 1	0.15	20	0.72	155
BB34048	201	202	1.8	0.72	30	< 10	230	< 0.5	< 2	0.42	8.5	14	12	114	4.68	< 10	1	0.21	50	0.25	265
BB34049	201	202	0.6	0.53	20	< 10	130	< 0.5	< 2	0.17	0.5	5	5	24	1.84	< 10	1	0.07	20	0.03	215
BB34050	201	202	1.6	0.57	12	< 10	170	0.5	< 2	0.62	6.5	5	5	79	1.59	< 10	< 1	0.05	20	0.03	140
BB34051	201	202	1.0	0.38	34	< 10	270	< 0.5	< 2	0.33	2.0	14	6	41	2.57	< 10	< 1	0.09	30	0.04	250
BB34052	201	202	1.8	0.57	24	< 10	170	0.5	< 2	0.45	7.0	8	6	66	2.03	< 10	< 1	0.07	20	0.03	240
BB34053	201	202	1.6	0.35	26	< 10	260	< 0.5	< 2	0.40	2.0	19	5	70	4.11	< 10	< 1	0.09	50	0.07	305
BB34054	201	202	0.8	0.55	14	< 10	220	< 0.5	< 2	0.23	1.0	4	15	31	2.04	< 10	< 1	0.09	20	0.04	115
BB34055	201	202	0.6	0.83	16	< 10	220	< 0.5	< 2	0.48	0.5	4	21	15	2.47	< 10	< 1	0.10	30	0.13	65
BB34056	201	202	0.8	0.62	22	< 10	250	< 0.5	< 2	0.18	2.5	5	22	33	2.69	< 10	< 1	0.11	30	0.04	30
BB34057	201	202	1.8	0.63	24	< 10	230	< 0.5	< 2	1.93	5.0	11	19	91	2.83	< 10	< 1	0.22	30	0.62	150
BB34058	201	202	1.2	0.50	20	< 10	520	< 0.5	< 2	0.54	3.0	9	13	58	2.74	< 10	< 1	0.14	30	0.12	155
BB34059	201	202	2.2	0.64	34	< 10	1200	< 0.5	< 2	0.78	12.5	14	23	132	3.82	< 10	< 1	0.12	30	0.10	205

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



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Analytical Chemists \* Geochemists \* Registered Assayers  
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 British Columbia, Canada V7J 2C1  
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To: EXPATRIATE RESOURCES LTD.  
 C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
 BOX 4127, 2054 SECOND AVE.  
 WHITEHORSE, YT  
 Y1A 3S9

Project: SELWYN-HP  
 Comments:

Page: 3-B  
 Total: 8  
 Certificate Date: 23-AUG-1999  
 Invoice No.: I9925909  
 P.O. Number:  
 Account: MPO

## CERTIFICATE OF ANALYSIS

### A9925909

SAMPLE	PREP CODE		Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BB34020	201	202	67	< 0.01	177	1380	20	0.07	12	5	62	< 0.01	< 10	< 10	111	< 10	1005
BB34021	201	202	10	0.01	67	1090	94	0.05	2	4	19	< 0.01	< 10	< 10	48	< 10	832
BB34022	201	202	25	< 0.01	46	1030	22	0.05	8	4	15	< 0.01	< 10	< 10	39	< 10	346
BB34023	201	202	21	< 0.01	37	1010	18	0.06	2	3	15	< 0.01	< 10	< 10	30	< 10	356
BB34024	201	202	25	< 0.01	41	1320	18	0.09	6	3	29	< 0.01	< 10	< 10	23	< 10	488
BB34025	201	202	17	0.01	39	870	28	0.06	4	3	23	< 0.01	< 10	< 10	23	< 10	248
BB34026	201	202	28	< 0.01	65	1140	70	0.08	4	1	23	< 0.01	< 10	< 10	56	< 10	416
BB34027	201	202	19	0.01	59	1180	86	0.08	6	2	29	< 0.01	< 10	< 10	42	< 10	484
BB34028	201	202	21	0.01	35	970	24	0.04	2	< 1	10	< 0.01	< 10	< 10	40	< 10	248
BB34029	201	202	29	< 0.01	50	890	24	0.03	6	1	5	< 0.01	< 10	< 10	40	< 10	440
BB34030	201	202	30	< 0.01	64	1530	42	0.03	8	1	9	< 0.01	< 10	< 10	31	< 10	358
BB34031	201	202	9	0.01	146	1210	22	0.11	2	3	28	< 0.01	< 10	< 10	27	< 10	1920
BB34032	201	202	43	< 0.01	147	1420	20	0.06	16	5	49	< 0.01	< 10	< 10	133	< 10	1150
BB34033	201	202	48	< 0.01	145	1210	14	0.02	16	4	51	< 0.01	< 10	< 10	99	< 10	870
BB34034	201	202	44	0.03	145	1260	16	0.05	8	4	28	< 0.01	< 10	< 10	174	< 10	1315
BB34035	201	202	27	< 0.01	123	1820	24	0.09	6	5	29	< 0.01	< 10	< 10	58	< 10	506
BB34036	201	202	33	< 0.01	135	2160	26	0.10	10	5	49	< 0.01	< 10	< 10	59	< 10	644
BB34037	201	202	16	0.01	92	2060	28	0.20	2	5	101	< 0.01	< 10	< 10	17	< 10	298
BB34038	201	202	55	< 0.01	140	670	12	0.03	10	4	81	< 0.01	< 10	< 10	41	< 10	470
BB34039	201	202	65	< 0.01	163	1260	18	0.04	24	4	63	< 0.01	< 10	< 10	78	< 10	1215
BB34040	201	202	54	< 0.01	171	1270	16	0.14	20	4	61	< 0.01	< 10	< 10	299	< 10	2260
BB34041	201	202	36	< 0.01	133	1290	14	0.04	14	5	62	< 0.01	< 10	< 10	114	< 10	1550
BB34042	201	202	32	< 0.01	134	1070	22	0.07	8	6	51	< 0.01	< 10	< 10	47	< 10	620
BB34043	201	202	18	< 0.01	125	3470	118	0.44	8	6	128	< 0.01	< 10	< 10	80	< 10	1200
BB34044	201	202	43	< 0.01	146	1670	18	0.09	18	5	76	< 0.01	< 10	< 10	154	< 10	1515
BB34045	201	202	52	< 0.01	173	1770	14	0.14	34	3	120	< 0.01	< 10	< 10	407	< 10	2060
BB34046	201	202	39	< 0.01	193	2620	38	0.16	18	7	57	< 0.01	< 10	< 10	254	< 10	1790
BB34047	201	202	29	< 0.01	128	2220	92	0.13	6	4	64	0.03	< 10	< 10	115	< 10	980
BB34048	201	202	57	< 0.01	218	1390	36	0.07	10	9	13	< 0.01	< 10	< 10	90	< 10	1940
BB34049	201	202	23	< 0.01	46	1350	156	0.11	8	< 1	22	< 0.01	< 10	< 10	58	< 10	262
BB34050	201	202	14	0.01	74	1580	138	0.08	10	1	34	< 0.01	< 10	< 10	47	< 10	988
BB34051	201	202	30	< 0.01	70	1590	174	0.11	8	1	23	< 0.01	< 10	< 10	43	< 10	526
BB34052	201	202	20	0.01	88	1460	178	0.13	6	1	32	< 0.01	< 10	< 10	44	< 10	848
BB34053	201	202	55	< 0.01	95	600	24	0.06	10	8	11	< 0.01	< 10	< 10	22	< 10	288
BB34054	201	202	25	< 0.01	66	1030	36	0.14	4	1	37	0.05	< 10	< 10	197	< 10	260
BB34055	201	202	19	< 0.01	64	1130	40	0.08	4	2	32	0.08	< 10	< 10	248	< 10	444
BB34056	201	202	29	< 0.01	90	1330	40	0.15	6	3	53	0.16	< 10	< 10	326	< 10	398
BB34057	201	202	24	< 0.01	106	2290	156	0.12	4	4	49	0.01	< 10	< 10	118	< 10	924
BB34058	201	202	24	< 0.01	72	1970	360	0.10	4	3	44	< 0.01	< 10	< 10	96	< 10	650
BB34059	201	202	47	< 0.01	192	2290	144	0.15	14	6	60	< 0.01	< 10	< 10	197	< 10	2280

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



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

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

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

Project: SELWYN-HP  
Comments:

Page Number: 4-A  
Total Pages: 8  
Certificate Date: 23-AUG-1999  
Invoice No.: I9925909  
P.O. Number:  
Account: MPO

## CERTIFICATE OF ANALYSIS A9925909

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
BB34060	201 202	2.8	0.52	32	< 10	690	0.5	< 2	0.61	11.0	13	17	135	3.33	< 10	1	0.15	30	0.06	160
BB34061	201 202	5.2	0.37	48	< 10	330	< 0.5	< 2	2.76	17.5	12	13	210	3.35	< 10	1	0.15	30	0.21	220
BB34062	201 202	2.4	0.42	66	< 10	550	< 0.5	< 2	2.18	2.0	17	8	129	5.29	< 10	1	0.22	10	0.37	270
BB34063	201 202	3.2	0.44	12	< 10	320	< 0.5	< 2	1.67	4.5	27	13	158	5.38	< 10	< 1	0.15	20	0.39	360
BB34064	201 202	1.2	0.19	26	< 10	80	< 0.5	< 2	5.94	10.0	16	15	112	2.82	< 10	3	0.07	10	3.60	285
BB34065	201 202	4.6	1.23	28	< 10	1110	< 0.5	< 2	4.77	76.5	14	142	339	2.59	< 10	< 1	0.28	10	2.45	285
BB34066	201 202	3.4	6.58	146	< 10	60	< 0.5	< 2	0.02	2.0	5	30	171	9.20	< 10	1	0.30	< 10	0.01	95
BB34067	201 202	2.2	2.92	94	< 10	520	< 0.5	< 2	1.20	38.5	31	49	170	6.91	< 10	1	0.20	10	0.36	650
BB34068	201 202	3.0	0.84	58	< 10	120	< 0.5	< 2	0.44	27.0	14	18	176	6.64	< 10	1	0.48	10	0.05	125
BB34069	201 202	3.0	1.02	38	< 10	280	< 0.5	< 2	0.42	8.0	15	17	160	5.25	< 10	< 1	0.29	20	0.05	170
BB34070	201 202	6.4	0.27	60	< 10	140	0.5	< 2	2.78	15.5	19	11	243	3.54	< 10	< 1	0.12	10	0.15	220
BB34071	201 202	4.0	0.45	14	< 10	290	0.5	< 2	1.12	8.0	9	11	120	2.33	< 10	< 1	0.11	30	0.08	120
BB34072	201 202	1.2	0.67	8	< 10	390	< 0.5	< 2	0.91	0.5	10	9	52	2.53	< 10	< 1	0.10	10	0.22	195
BB34073	201 202	1.2	0.61	2	< 10	240	< 0.5	< 2	4.50	13.5	18	15	78	3.91	< 10	< 1	0.21	10	0.51	305
BB34074	201 202	2.2	0.65	22	< 10	440	< 0.5	< 2	0.84	3.5	14	12	75	3.11	< 10	1	0.13	30	0.19	240
BB34075	201 202	0.8	0.43	28	< 10	120	< 0.5	< 2	3.45	< 0.5	22	3	38	3.50	< 10	< 1	0.22	10	1.38	215
BB34076	201 202	0.4	0.76	26	< 10	370	0.5	< 2	0.62	1.5	9	20	59	2.97	< 10	1	0.22	40	0.17	175
BB34077	201 202	0.8	0.69	20	< 10	240	< 0.5	< 2	0.41	2.0	6	21	36	2.79	< 10	< 1	0.12	30	0.08	90
BB34078	201 202	2.0	0.52	14	< 10	190	0.5	< 2	1.03	4.5	7	17	100	2.10	< 10	< 1	0.10	30	0.07	135
BB34079	201 202	0.4	0.97	14	< 10	460	0.5	< 2	1.06	1.5	6	27	53	2.32	< 10	< 1	0.31	40	0.30	65
BB34080	201 202	< 0.2	0.67	22	< 10	370	< 0.5	< 2	2.89	0.5	10	6	25	2.60	< 10	< 1	0.10	20	0.27	285
BB34081	201 202	< 0.2	0.67	20	< 10	410	< 0.5	< 2	0.38	0.5	13	7	23	2.64	< 10	< 1	0.09	30	0.24	410
BB34082	201 202	1.8	0.44	24	< 10	210	< 0.5	< 2	4.99	7.0	11	7	90	2.83	< 10	1	0.13	10	0.59	205
BB34083	201 202	2.2	0.45	22	< 10	250	< 0.5	< 2	0.78	3.5	15	12	92	3.58	< 10	< 1	0.13	10	0.24	215
BB34084	201 202	1.2	0.21	16	< 10	200	< 0.5	< 2	6.16	3.0	12	2	61	2.87	< 10	< 1	0.07	10	1.09	195
BB34085	201 202	1.4	0.59	14	< 10	260	< 0.5	< 2	2.09	6.0	19	13	71	3.94	< 10	< 1	0.18	10	0.46	330
BB34086	201 202	3.2	0.37	32	< 10	430	< 0.5	< 2	1.61	10.5	14	6	121	4.50	< 10	< 1	0.09	30	0.40	205
BB34087	201 202	4.4	0.40	32	< 10	100	0.5	< 2	1.17	15.0	12	22	153	2.67	< 10	< 1	0.15	20	0.08	140
BB34088	201 202	1.6	0.40	20	< 10	410	0.5	< 2	0.99	5.5	6	11	81	2.59	< 10	< 1	0.23	10	0.02	70
BB34089	201 202	2.2	0.32	32	< 10	50	1.0	< 2	0.48	12.5	6	7	84	2.04	< 10	< 1	0.10	< 10	< 0.01	60
BB34090	201 202	1.2	0.57	22	< 10	290	0.5	< 2	5.52	2.0	10	27	145	2.83	< 10	< 1	0.24	20	0.12	240
BB34091	201 202	0.8	1.17	42	< 10	700	< 0.5	< 2	2.97	18.0	40	20	167	4.31	< 10	2	0.06	10	1.50	645
BB34092	201 202	2.4	0.17	58	< 10	460	< 0.5	< 2	0.14	0.5	1	4	42	2.00	< 10	< 1	0.15	< 10	0.01	25
BB34093	201 202	2.2	0.26	48	< 10	810	< 0.5	< 2	1.79	3.5	20	9	78	3.27	< 10	< 1	0.09	< 10	0.76	310
BB34094	201 202	2.2	0.41	6	< 10	150	0.5	< 2	9.41	21.5	14	13	139	3.13	< 10	1	0.12	10	0.13	350
BB34095	201 202	1.4	0.59	14	< 10	360	< 0.5	< 2	1.35	0.5	13	7	65	2.89	< 10	1	0.11	10	0.16	275
BB34096	201 202	1.6	0.57	10	< 10	300	< 0.5	< 2	1.04	1.0	24	9	68	4.68	< 10	1	0.19	10	0.41	400
BB34097	201 202	2.6	0.68	30	< 10	610	< 0.5	< 2	0.66	5.0	14	15	84	3.25	< 10	1	0.17	30	0.15	245
BB34098	201 202	2.2	0.26	32	< 10	200	< 0.5	< 2	2.52	7.5	13	5	104	3.07	< 10	< 1	0.09	10	0.91	210
BB34099	201 202	1.4	0.14	20	< 10	140	< 0.5	< 2	2.55	7.5	7	2	72	2.00	< 10	< 1	0.05	10	0.98	155

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SAMPLE	PREP		Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
	CODE		ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BB34060	201	202	41 < 0.01		166	2120	74	0.10	8	6	63 < 0.01	< 10	< 10	149	< 10	1445	
BB34061	201	202	106 < 0.01		205	1030	42	0.10	18	6	43 < 0.01	< 10	< 10	201	< 10	2120	
BB34062	201	202	13 < 0.01		128	4210	50	0.39	12	6	110 < 0.01	< 10	< 10	18	< 10	896	
BB34063	201	202	10 < 0.01		161	3910	38	0.09	8	7	37 < 0.01	< 10	< 10	27	< 10	1920	
BB34064	201	202	52 < 0.01		156	860	20	0.07	18	5	96 < 0.01	< 10	< 10	115	< 10	1830	
BB34065	201	202	85 < 0.01		504	3890	22	0.16	56	7	145	0.04	< 10	< 10	1575	< 10	>10000
BB34066	201	202	140 < 0.01		131	3670	18	1.77	68	9	25	0.01	< 10	< 10	273	< 10	518
BB34067	201	202	125 < 0.01		375	3130	22	0.36	46	8	51	0.01	< 10	< 10	758	< 10	3290
BB34068	201	202	64 < 0.01		179	2390	386	1.09	18	5	98 < 0.01	< 10	< 10	96	< 10	1520	
BB34069	201	202	53 < 0.01		181	2180	50	0.59	22	4	57 < 0.01	< 10	< 10	100	< 10	1075	
BB34070	201	202	130 < 0.01		237	830	58	0.26	18	6	49 < 0.01	< 10	< 10	135	< 10	2450	
BB34071	201	202	45 < 0.01		133	1570	98	0.14	8	4	27 < 0.01	< 10	< 10	83	< 10	1280	
BB34072	201	202	5	0.03	51	1230	60	0.11	< 2	2	30	0.01	< 10	< 10	32	< 10	380
BB34073	201	202	13 < 0.01		99	2620	1795	0.15	4	4	64 < 0.01	< 10	< 10	57	< 10	4510	
BB34074	201	202	22 < 0.01		88	1970	50	0.09	4	5	32 < 0.01	< 10	< 10	51	< 10	636	
BB34075	201	202	25 < 0.01		90	1150	36	0.72	6	5	44 < 0.01	< 10	< 10	16	< 10	52	
BB34076	201	202	28 < 0.01		81	3570	96	0.15	8	1	39 < 0.01	< 10	< 10	113	< 10	414	
BB34077	201	202	26 < 0.01		68	2030	102	0.14	6	< 1	31	0.01	< 10	< 10	206	< 10	338
BB34078	201	202	23 < 0.01		107	1780	96	0.10	6	4	42	0.04	< 10	< 10	157	< 10	758
BB34079	201	202	16 < 0.01		61	6390	78	0.20	2	1	57	0.01	< 10	< 10	119	< 10	302
BB34080	201	202	6 < 0.01		38	1290	18	0.02	2	3	42 < 0.01	< 10	< 10	15	< 10	126	
BB34081	201	202	6 < 0.01		38	1130	20	0.01	< 2	3	12 < 0.01	< 10	< 10	18	< 10	122	
BB34082	201	202	33 < 0.01		87	1510	220	0.09	6	5	83 < 0.01	< 10	< 10	50	< 10	1135	
BB34083	201	202	24 < 0.01		111	1970	160	0.11	6	3	38 < 0.01	< 10	< 10	58	< 10	790	
BB34084	201	202	43 < 0.01		73	700	20	0.11	6	5	94 < 0.01	< 10	< 10	18	< 10	410	
BB34085	201	202	11 < 0.01		92	1860	638	0.13	8	4	36 < 0.01	< 10	< 10	49	< 10	1780	
BB34086	201	202	61 < 0.01		138	1260	268	0.18	10	6	30 < 0.01	< 10	< 10	60	< 10	1655	
BB34087	201	202	50 < 0.01		201	1650	62	0.12	12	5	30 < 0.01	< 10	< 10	201	< 10	1650	
BB34088	201	202	21 < 0.01		90	3920	304	0.40	6	3	57 < 0.01	< 10	< 10	56	< 10	792	
BB34089	201	202	65 < 0.01		120	1470	32	0.16	8	3	67 < 0.01	< 10	< 10	56	< 10	550	
BB34090	201	202	6 < 0.01		182	>10000	120	0.17	2	3	119 < 0.01	< 10	< 10	84	< 10	606	
BB34091	201	202	124 < 0.01		450	1270	16	0.17	20	5	74 < 0.01	< 10	< 10	198	< 10	2970	
BB34092	201	202	89 < 0.01		28	440	28	0.37	28	< 1	32 < 0.01	< 10	< 10	44	< 10	128	
BB34093	201	202	45 < 0.01		117	620	22	0.19	16	3	37 < 0.01	< 10	< 10	49	< 10	656	
BB34094	201	202	35 < 0.01		161	3950	2130	0.15	8	2	118 < 0.01	< 10	< 10	128	< 10	5170	
BB34095	201	202	5	0.02	66	1720	64	0.14	4	2	31 < 0.01	< 10	< 10	27	< 10	362	
BB34096	201	202	5 < 0.01		82	860	26	0.12	2	4	24 < 0.01	< 10	< 10	21	< 10	412	
BB34097	201	202	25 < 0.01		100	2150	48	0.09	8	4	29 < 0.01	< 10	< 10	80	< 10	636	
BB34098	201	202	62 < 0.01		105	1040	44	0.18	8	4	34 < 0.01	< 10	< 10	46	< 10	900	
BB34099	201	202	45 < 0.01		66	490	16	0.06	6	3	32 < 0.01	< 10	< 10	25	< 10	730	

CERTIFICATION: .



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To: EXPATRIATE RESOURCES LTD.  
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 Invoice No. : 19925909  
 P.O. Number :  
 Account : MPO

Project : SELWYN-HP  
 Comments:

## CERTIFICATE OF ANALYSIS A9925909

SAMPLE	PREP CODE		Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
			ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
BB34100	201	202	1.8	0.66	36	< 10	150	0.5	< 2	2.32	7.0	14	21	102	3.11	< 10	1	0.20	20	0.36	235
BB34101	201	202	2.4	0.59	18	< 10	280	< 0.5	< 2	2.10	5.0	9	8	92	2.51	< 10	1	0.09	10	0.18	175
BB34102	201	202	2.2	0.68	30	< 10	290	< 0.5	< 2	3.69	6.5	12	11	106	2.89	< 10	1	0.21	10	0.79	180
BB34103	201	202	0.6	0.65	26	< 10	320	< 0.5	< 2	5.35	3.0	13	8	45	2.46	< 10	< 1	0.20	10	0.71	230
BB34104	201	202	1.6	0.98	12	< 10	260	0.5	< 2	1.26	3.5	8	16	90	2.70	< 10	< 1	0.14	20	0.26	120
BB34105	201	202	0.8	0.57	30	< 10	280	< 0.5	< 2	0.96	4.0	8	5	41	2.17	< 10	< 1	0.07	10	0.11	185
BB34106	201	202	1.6	0.48	36	< 10	280	< 0.5	< 2	0.55	5.0	15	6	78	3.36	< 10	1	0.12	30	0.17	390
BB34107	201	202	2.0	0.46	30	< 10	190	< 0.5	< 2	1.16	7.5	13	15	99	2.92	< 10	1	0.15	10	0.19	180
BB34108	201	202	1.8	0.64	20	< 10	240	< 0.5	< 2	0.94	6.0	16	16	96	3.61	< 10	< 1	0.20	20	0.23	225
BB34109	201	202	2.8	0.55	26	< 10	350	< 0.5	< 2	1.05	3.5	13	10	81	3.06	< 10	< 1	0.11	30	0.21	210
BB34110	201	202	3.6	0.70	58	< 10	460	< 0.5	< 2	0.61	5.0	11	13	93	2.96	< 10	< 1	0.12	30	0.12	185
BB34111	201	202	4.2	0.23	98	< 10	160	< 0.5	< 2	1.98	6.0	16	7	154	2.50	< 10	< 1	0.08	10	0.26	190
BB34112	201	202	1.4	0.90	12	< 10	150	0.5	< 2	1.49	0.5	10	26	56	2.43	< 10	1	0.23	10	0.75	185
BB34113	201	202	1.8	0.60	12	< 10	380	< 0.5	< 2	1.29	0.5	17	14	88	4.41	< 10	< 1	0.23	10	0.49	280
BB34114	201	202	2.0	0.07	8	< 10	40	< 0.5	< 2	0.23	0.5	< 1	3	32	0.85	< 10	1	0.09	10	0.01	< 5
BB34115	201	202	2.0	0.38	16	< 10	310	< 0.5	< 2	0.83	2.5	31	6	98	5.60	< 10	1	0.15	10	0.37	435
BB34116	201	202	1.2	0.33	26	< 10	300	< 0.5	< 2	1.80	0.5	28	3	71	4.29	< 10	< 1	0.14	10	0.43	340
BB34117	201	202	2.0	0.56	14	< 10	520	< 0.5	< 2	0.58	0.5	45	6	119	8.41	< 10	2	0.16	10	0.15	450
BB34118	201	202	2.4	0.68	8	< 10	530	< 0.5	< 2	0.35	0.5	34	8	116	8.32	< 10	< 1	0.21	10	0.10	400
BB34119	201	202	1.4	0.33	16	< 10	230	< 0.5	< 2	1.97	< 0.5	28	4	106	4.94	< 10	< 1	0.13	< 10	0.49	285
BB34120	201	202	2.4	0.61	20	< 10	380	< 0.5	< 2	1.12	1.0	22	15	104	5.47	< 10	< 1	0.22	10	0.34	310
BB34121	201	202	1.0	1.24	8	< 10	130	< 0.5	< 2	0.47	< 0.5	22	23	68	3.88	< 10	< 1	0.29	10	1.25	320
BB34122	201	202	1.8	0.57	16	< 10	160	< 0.5	< 2	1.37	7.5	9	17	77	3.22	< 10	< 1	0.26	20	0.34	135
BB34123	201	202	2.0	0.72	10	< 10	210	< 0.5	< 2	1.66	4.0	13	22	90	3.53	< 10	< 1	0.25	10	0.42	215
BB34124	201	202	2.2	0.59	26	< 10	490	< 0.5	< 2	0.88	3.0	14	11	70	3.34	< 10	< 1	0.14	20	0.14	245
BB34125	201	202	6.8	0.24	46	< 10	120	< 0.5	< 2	1.66	30.0	13	9	244	3.26	< 10	< 1	0.09	10	0.25	210
BB34126	201	202	3.8	0.21	48	< 10	130	< 0.5	< 2	2.97	17.0	10	7	166	2.58	< 10	< 1	0.09	10	0.24	205
BB34127	201	202	2.6	0.41	54	< 10	150	< 0.5	< 2	2.88	9.0	11	15	122	2.77	< 10	< 1	0.18	10	0.40	180
BB34128	201	202	1.0	0.62	36	< 10	200	< 0.5	< 2	1.06	2.0	13	9	45	2.81	< 10	< 1	0.12	20	0.54	165
BB34129	201	202	2.2	0.65	24	< 10	370	< 0.5	< 2	0.47	4.0	6	11	64	2.07	< 10	< 1	0.13	30	0.16	135
BB34130	201	202	0.6	0.35	26	< 10	150	< 0.5	< 2	0.76	1.5	13	6	22	2.36	< 10	< 1	0.10	40	0.12	215
BB34131	201	202	1.6	0.70	16	< 10	160	< 0.5	< 2	7.54	6.0	9	8	71	2.28	< 10	< 1	0.13	< 10	1.87	185
BB34132	201	202	2.0	0.24	14	< 10	140	< 0.5	< 2	2.58	9.0	11	2	105	2.90	< 10	< 1	0.07	< 10	0.71	185
BB34133	201	202	6.8	0.18	84	< 10	110	< 0.5	< 2	5.29	15.5	14	5	217	3.34	< 10	< 1	0.08	< 10	0.27	195
BB34134	201	202	2.6	0.31	54	< 10	120	< 0.5	< 2	1.35	5.0	12	13	106	2.21	< 10	1	0.08	10	0.11	180
BB34135	201	202	6.2	0.18	56	< 10	260	0.5	< 2	5.50	22.0	10	7	233	3.39	< 10	< 1	0.07	10	0.23	250
BB34136	201	202	1.4	0.67	8	< 10	500	< 0.5	< 2	1.29	0.5	14	15	86	4.09	< 10	< 1	0.29	10	0.20	290
BB34137	201	202	1.4	0.82	14	< 10	250	< 0.5	< 2	0.57	0.5	23	13	79	4.77	< 10	< 1	0.29	20	0.44	310
BB34138	201	202	2.2	0.69	8	< 10	360	< 0.5	< 2	1.27	0.5	17	19	94	4.94	< 10	< 1	0.29	10	0.48	295
BB34139	201	202	1.8	0.62	14	< 10	390	< 0.5	< 2	2.11	< 0.5	25	10	51	3.97	< 10	< 1	0.30	10	0.59	435

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



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Analytical Chemists \* Geochemists \* Registered Assayers  
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 Invoice No. : I9925909  
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Project : SELWYN-HP  
 Comments :

## CERTIFICATE OF ANALYSIS

### A9925909

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB34100	201 202	29	< 0.01	135	3050	412	0.17	8	4	60	0.01	< 10	< 10	107	< 10	1870
BB34101	201 202	16	0.01	87	1800	124	0.19	4	2	44	< 0.01	< 10	< 10	32	< 10	884
BB34102	201 202	50	< 0.01	105	1370	156	0.13	6	5	58	< 0.01	< 10	< 10	108	< 10	1190
BB34103	201 202	14	< 0.01	54	1470	38	0.10	2	4	71	< 0.01	< 10	< 10	47	< 10	322
BB34104	201 202	15	0.01	113	4420	66	0.11	2	3	44	< 0.01	< 10	< 10	62	< 10	702
BB34105	201 202	20	0.01	58	1270	40	0.10	6	3	29	< 0.01	< 10	< 10	26	< 10	408
BB34106	201 202	30	< 0.01	80	1450	60	0.06	8	6	16	< 0.01	< 10	< 10	40	< 10	554
BB34107	201 202	26	< 0.01	129	3160	238	0.16	4	4	41	< 0.01	< 10	< 10	76	< 10	1290
BB34108	201 202	18	< 0.01	110	2810	510	0.18	6	3	42	< 0.01	< 10	< 10	67	< 10	1640
BB34109	201 202	30	< 0.01	99	1300	134	0.07	6	3	23	< 0.01	< 10	< 10	47	< 10	642
BB34110	201 202	47	< 0.01	119	1710	144	0.07	6	3	20	< 0.01	< 10	< 10	105	< 10	938
BB34111	201 202	72	< 0.01	172	450	32	0.08	22	3	17	< 0.01	< 10	< 10	104	< 10	1440
BB34112	201 202	6	< 0.01	71	3180	48	0.14	2	3	44	0.01	< 10	< 10	85	< 10	400
BB34113	201 202	5	< 0.01	78	2480	24	0.23	2	4	47	< 0.01	< 10	< 10	32	< 10	306
BB34114	201 202	16	< 0.01	22	310	70	0.14	2	< 1	47	< 0.01	< 10	< 10	32	< 10	124
BB34115	201 202	6	< 0.01	101	1140	34	0.20	2	4	32	< 0.01	< 10	< 10	16	< 10	670
BB34116	201 202	6	< 0.01	82	430	20	0.12	2	3	30	< 0.01	< 10	< 10	6	< 10	306
BB34117	201 202	2	< 0.01	115	1920	38	0.29	6	5	30	< 0.01	< 10	< 10	9	< 10	388
BB34118	201 202	2	0.01	91	1390	30	0.48	< 2	5	37	< 0.01	< 10	< 10	12	< 10	306
BB34119	201 202	5	< 0.01	73	490	18	0.10	< 2	3	23	< 0.01	< 10	< 10	7	< 10	158
BB34120	201 202	6	0.01	92	3350	30	0.24	2	4	50	< 0.01	< 10	< 10	30	< 10	378
BB34121	201 202	7	< 0.01	76	530	28	0.21	< 2	4	31	0.03	< 10	< 10	76	< 10	132
BB34122	201 202	23	< 0.01	79	2430	522	0.34	8	4	55	0.01	< 10	< 10	94	< 10	2810
BB34123	201 202	11	< 0.01	100	3500	440	0.23	4	4	56	0.01	< 10	< 10	75	< 10	1510
BB34124	201 202	17	< 0.01	80	1370	46	0.08	4	3	27	< 0.01	< 10	< 10	40	< 10	440
BB34125	201 202	107	< 0.01	178	800	66	0.21	16	5	30	< 0.01	< 10	< 10	124	< 10	3070
BB34126	201 202	82	< 0.01	147	800	54	0.18	10	3	43	< 0.01	< 10	< 10	99	< 10	1760
BB34127	201 202	48	< 0.01	134	1930	150	0.21	14	4	50	< 0.01	< 10	< 10	130	< 10	1195
BB34128	201 202	16	< 0.01	63	1360	30	0.18	4	3	24	< 0.01	< 10	< 10	40	< 10	266
BB34129	201 202	18	< 0.01	50	1450	18	0.06	4	3	14	< 0.01	< 10	< 10	89	< 10	352
BB34130	201 202	8	< 0.01	49	2190	20	0.05	4	2	21	< 0.01	< 10	< 10	17	< 10	254
BB34131	201 202	33	< 0.01	62	430	12	0.15	2	4	110	< 0.01	< 10	< 10	64	< 10	524
BB34132	201 202	60	< 0.01	97	480	22	0.18	6	4	38	< 0.01	< 10	< 10	38	< 10	1015
BB34133	201 202	136	< 0.01	217	670	44	0.28	12	4	51	< 0.01	< 10	< 10	101	< 10	1695
BB34134	201 202	22	< 0.01	121	2030	84	0.07	10	4	40	< 0.01	< 10	< 10	70	< 10	622
BB34135	201 202	116	< 0.01	179	1060	64	0.10	10	4	57	< 0.01	< 10	< 10	95	< 10	2530
BB34136	201 202	5	0.01	63	2800	28	0.36	2	3	55	< 0.01	< 10	< 10	32	< 10	240
BB34137	201 202	4	< 0.01	81	1250	26	0.13	2	5	22	< 0.01	< 10	< 10	27	< 10	228
BB34138	201 202	4	< 0.01	74	3150	34	0.26	2	4	60	0.01	< 10	< 10	35	< 10	248
BB34139	201 202	20	< 0.01	122	680	36	0.17	2	4	28	< 0.01	< 10	< 10	26	< 10	90

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SAMPLE	PREP CODE		Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
			ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
BB34140	201	202	2.0	0.83	14	< 10	510	< 0.5	< 2	0.98	0.5	21	21	145	5.82	< 10	< 1	0.30	10	0.19	375
BB34141	201	202	2.2	0.58	8	< 10	340	< 0.5	< 2	1.75	0.5	21	14	84	5.91	< 10	< 1	0.24	10	0.78	485
BB34142	201	202	3.0	0.72	30	< 10	480	< 0.5	< 2	0.78	1.5	36	17	174	6.89	< 10	1	0.30	10	0.26	375
BB34143	201	202	2.6	0.80	14	< 10	470	< 0.5	< 2	0.23	0.5	15	14	97	5.61	< 10	1	0.18	30	0.14	495
BB34144	201	202	4.0	1.02	< 2	< 10	210	< 0.5	< 2	2.10	3.5	21	24	137	5.07	< 10	< 1	0.30	10	1.27	285
BB34145	201	202	1.6	0.66	6	< 10	270	< 0.5	< 2	0.86	< 0.5	28	10	87	5.51	< 10	1	0.21	10	0.59	445
BB34146	201	202	2.0	0.51	16	< 10	250	< 0.5	< 2	1.39	0.5	12	12	73	2.18	< 10	< 1	0.12	10	0.37	260
BB34147	201	202	1.2	0.49	6	< 10	210	< 0.5	< 2	0.98	1.5	8	5	48	1.52	< 10	< 1	0.07	< 10	0.16	255
BB34148	201	202	1.8	0.84	8	< 10	200	< 0.5	< 2	0.86	6.0	17	14	83	4.15	< 10	< 1	0.15	10	0.52	280
BB34149	201	202	2.6	0.19	72	< 10	130	< 0.5	< 2	3.40	4.5	11	13	94	2.86	< 10	< 1	0.06	< 10	0.19	225
BB34150	201	202	4.0	0.22	52	< 10	110	< 0.5	< 2	3.41	8.5	12	9	140	2.44	< 10	< 1	0.09	< 10	0.15	165
BB34151	201	202	3.6	0.49	50	< 10	180	< 0.5	< 2	0.83	6.0	7	14	116	2.27	< 10	< 1	0.09	20	0.06	80
BB34152	201	202	1.4	0.72	56	< 10	280	< 0.5	< 2	0.71	3.5	23	14	76	4.82	< 10	< 1	0.20	30	0.35	230
BB34153	201	202	2.2	0.61	48	< 10	220	0.5	< 2	0.79	7.0	11	20	129	3.32	< 10	< 1	0.23	20	0.15	180
BB34154	201	202	1.6	0.51	24	< 10	210	< 0.5	< 2	0.53	4.0	8	13	77	2.67	< 10	< 1	0.21	20	0.10	145
BB34155	201	202	2.4	0.58	12	< 10	230	0.5	< 2	0.96	14.5	5	19	96	2.67	< 10	1	0.18	20	0.14	90
BB34156	201	202	1.8	0.77	20	< 10	310	< 0.5	< 2	0.68	2.5	10	15	63	2.93	< 10	< 1	0.19	10	0.43	200
BB34157	201	202	1.8	0.72	24	< 10	290	< 0.5	< 2	0.86	1.5	13	15	63	2.95	< 10	< 1	0.20	10	0.40	230
BB34158	201	202	1.0	0.80	8	< 10	180	< 0.5	< 2	0.55	1.5	19	16	66	3.90	< 10	< 1	0.25	10	0.60	300
BB34159	201	202	3.0	0.86	34	< 10	230	3.0	< 2	4.30	28.0	21	21	168	5.14	< 10	< 1	0.18	20	0.23	425
BB34160	201	202	1.0	0.50	12	< 10	170	< 0.5	< 2	0.16	< 0.5	28	7	73	4.98	< 10	< 1	0.15	10	0.23	400
BB34161	201	202	0.8	0.86	6	< 10	380	< 0.5	< 2	0.04	< 0.5	10	13	51	3.45	< 10	< 1	0.12	10	0.09	95
BB34162	201	202	1.0	1.09	14	< 10	510	< 0.5	< 2	0.05	0.5	21	11	64	4.65	< 10	< 1	0.08	10	0.09	550
BB34163	201	202	2.8	0.92	6	< 10	380	< 0.5	< 2	0.45	0.5	18	18	66	4.93	< 10	< 1	0.21	20	0.31	360
BB34164	201	202	1.6	0.92	8	< 10	490	< 0.5	< 2	0.48	0.5	16	19	58	4.15	< 10	< 1	0.20	30	0.36	755
BB34165	201	202	2.6	0.88	14	< 10	450	< 0.5	< 2	0.82	1.0	16	21	84	4.22	< 10	< 1	0.23	20	0.33	365
BB34166	201	202	1.8	0.43	42	< 10	160	< 0.5	< 2	0.60	6.0	8	17	91	2.67	< 10	< 1	0.25	10	0.04	105
BB34167	201	202	2.0	0.60	34	< 10	340	< 0.5	< 2	0.25	3.0	8	16	63	3.57	< 10	< 1	0.31	10	0.06	180
BB34168	201	202	1.6	0.48	34	< 10	260	< 0.5	< 2	0.20	2.5	7	14	60	3.65	< 10	1	0.30	10	0.04	115
BB34169	201	202	2.2	0.42	42	< 10	190	< 0.5	< 2	0.34	5.0	9	16	84	3.95	< 10	1	0.33	10	0.03	110
BB34170	201	202	3.0	0.64	42	< 10	200	2.0	< 2	0.46	8.5	20	17	220	5.16	< 10	< 1	0.27	20	0.03	260
BB34171	201	202	3.8	0.35	66	< 10	110	< 0.5	< 2	0.10	4.5	3	16	73	5.58	< 10	1	0.63	30	0.01	20
BB34172	201	202	1.8	0.69	16	< 10	410	0.5	< 2	0.79	16.0	26	15	126	4.16	< 10	1	0.16	30	0.10	550
BB34173	201	202	1.0	0.58	22	< 10	390	< 0.5	< 2	0.72	1.0	19	14	72	3.99	< 10	< 1	0.16	10	0.13	190
BB34174	201	202	0.8	0.86	18	< 10	640	< 0.5	< 2	0.07	0.5	8	12	44	3.14	< 10	1	0.11	10	0.05	80
BB34175	201	202	2.0	0.64	12	< 10	280	< 0.5	< 2	1.39	0.5	22	9	49	5.70	< 10	1	0.10	20	0.21	785
BB34176	201	202	0.6	0.35	12	< 10	280	< 0.5	< 2	0.11	< 0.5	15	6	41	4.80	< 10	< 1	0.06	10	0.06	480
BB34177	201	202	1.8	0.58	12	< 10	620	< 0.5	< 2	0.41	1.0	11	10	49	3.38	< 10	< 1	0.13	10	0.13	320
BB34178	201	202	1.6	0.30	10	< 10	260	< 0.5	< 2	0.16	2.0	21	7	61	4.16	< 10	< 1	0.08	10	0.10	310
BB34179	201	202	2.0	1.20	54	< 10	2410	< 0.5	< 2	0.67	17.0	25	64	131	3.36	< 10	< 1	0.23	10	0.44	455

CERTIFICATION:



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Analytical Chemists \* Geochemists \* Registered Assayers  
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 WHITEHORSE, YT  
 Y1A 3S9

Project: SELWYN-HP  
 Comments:

Page Number: 6-B  
 Total Pages: 8  
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 Account: MPO

## CERTIFICATE OF ANALYSIS A9925909

SAMPLE	PREP CODE		Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BB34140	201	202	4	0.01	95	4850	42	0.42	4	5	92	< 0.01	< 10	< 10	38	< 10	344
BB34141	201	202	5	< 0.01	81	2020	28	0.15	2	5	30	< 0.01	< 10	< 10	21	< 10	264
BB34142	201	202	7	0.01	140	3610	60	0.39	2	6	46	< 0.01	< 10	< 10	36	< 10	582
BB34143	201	202	3	< 0.01	72	1880	22	0.12	2	5	28	< 0.01	< 10	< 10	24	< 10	276
BB34144	201	202	14	< 0.01	123	2520	22	0.07	< 2	9	41	< 0.01	< 10	< 10	66	< 10	788
BB34145	201	202	8	< 0.01	86	1310	36	0.26	< 2	4	38	< 0.01	< 10	< 10	21	< 10	194
BB34146	201	202	6	< 0.01	59	2060	96	0.15	2	3	40	< 0.01	< 10	< 10	42	< 10	234
BB34147	201	202	3	0.01	40	1530	72	0.14	< 2	1	31	< 0.01	< 10	< 10	19	< 10	234
BB34148	201	202	15	< 0.01	115	3220	632	0.17	4	4	53	0.02	< 10	< 10	54	< 10	2710
BB34149	201	202	21	< 0.01	149	2110	40	0.11	18	4	47	< 0.01	< 10	< 10	57	< 10	830
BB34150	201	202	64	< 0.01	153	1120	36	0.08	10	4	52	< 0.01	< 10	< 10	91	< 10	1150
BB34151	201	202	27	< 0.01	110	1730	76	0.11	10	3	33	< 0.01	< 10	< 10	90	< 10	740
BB34152	201	202	37	< 0.01	124	2420	356	0.33	12	4	43	< 0.01	< 10	< 10	70	< 10	754
BB34153	201	202	22	< 0.01	111	3580	476	0.35	8	4	67	< 0.01	< 10	< 10	101	< 10	1400
BB34154	201	202	22	< 0.01	66	2830	578	0.33	8	3	76	< 0.01	< 10	< 10	80	< 10	660
BB34155	201	202	31	< 0.01	84	3110	1520	0.28	10	1	65	< 0.01	< 10	< 10	137	< 10	3640
BB34156	201	202	12	< 0.01	65	2190	230	0.18	4	3	36	< 0.01	< 10	< 10	58	< 10	682
BB34157	201	202	12	< 0.01	73	1690	104	0.17	6	3	31	< 0.01	< 10	< 10	54	< 10	410
BB34158	201	202	11	< 0.01	80	2190	100	0.10	< 2	4	29	0.01	< 10	< 10	53	< 10	536
BB34159	201	202	42	< 0.01	172	7120	1225	0.15	18	4	195	< 0.01	< 10	< 10	273	< 10	7020
BB34160	201	202	4	< 0.01	76	580	36	0.06	< 2	4	13	< 0.01	< 10	< 10	16	< 10	208
BB34161	201	202	8	< 0.01	47	1820	32	0.18	2	< 1	19	< 0.01	< 10	< 10	49	< 10	234
BB34162	201	202	3	< 0.01	65	1190	18	0.06	< 2	4	8	< 0.01	< 10	< 10	23	< 10	264
BB34163	201	202	13	< 0.01	87	1550	32	0.11	< 2	7	17	< 0.01	< 10	< 10	54	< 10	252
BB34164	201	202	8	< 0.01	86	1220	22	0.04	2	6	15	< 0.01	< 10	< 10	101	< 10	272
BB34165	201	202	6	< 0.01	90	2500	28	0.12	2	5	31	< 0.01	< 10	< 10	66	< 10	364
BB34166	201	202	28	< 0.01	85	2850	308	0.40	8	3	45	< 0.01	< 10	< 10	111	< 10	844
BB34167	201	202	46	0.01	56	2700	698	0.57	8	1	57	< 0.01	< 10	< 10	129	< 10	556
BB34168	201	202	46	0.01	51	2610	468	0.63	8	1	57	< 0.01	< 10	< 10	112	< 10	408
BB34169	201	202	50	< 0.01	76	3100	288	0.67	10	3	51	< 0.01	< 10	< 10	122	< 10	594
BB34170	201	202	48	< 0.01	173	4880	130	0.50	14	5	40	< 0.01	< 10	< 10	122	< 10	1355
BB34171	201	202	160	< 0.01	48	3240	192	1.36	16	3	127	< 0.01	< 10	< 10	297	< 10	410
BB34172	201	202	37	< 0.01	115	5400	9930	0.17	8	3	84	< 0.01	< 10	< 10	116	< 10	3530
BB34173	201	202	16	< 0.01	106	3550	112	0.06	4	4	20	< 0.01	< 10	< 10	59	< 10	488
BB34174	201	202	11	< 0.01	41	2460	52	0.22	2	< 1	30	< 0.01	< 10	< 10	58	< 10	232
BB34175	201	202	10	< 0.01	83	1170	50	0.06	2	5	20	< 0.01	< 10	< 10	18	< 10	394
BB34176	201	202	1	< 0.01	43	600	16	0.04	< 2	4	4	< 0.01	< 10	< 10	9	< 10	132
BB34177	201	202	6	< 0.01	51	1820	22	0.12	2	3	20	< 0.01	< 10	< 10	32	< 10	250
BB34178	201	202	3	< 0.01	97	800	16	0.01	2	5	6	< 0.01	< 10	< 10	21	< 10	364
BB34179	201	202	89	< 0.01	231	3170	20	0.08	16	5	34	0.03	< 10	< 10	752	< 10	1230

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



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Analytical Chemists \* Geochemists \* Registered Assayers

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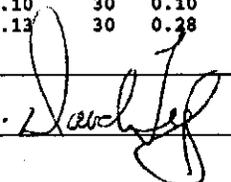
To: EXPATRIATE RESOURCES LTD.  
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
BOX 4127, 2054 SECOND AVE.  
WHITEHORSE, YT  
Y1A 3S9

Project: SELWYN-HP  
Comments:

Page Number: 7-A  
Total Pages: 8  
Certificate Date: 23-AUG-1999  
Invoice No.: 19925909  
P.O. Number:  
Account: MPO

## CERTIFICATE OF ANALYSIS A9925909

SAMPLE	PREP CODE		Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
			ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
BB34180	201	202	1.4	1.23	58	< 10	2120	< 0.5	< 2	0.64	12.5	14	64	132	3.31	< 10	< 1	0.29	20	0.48	390
BB34181	201	202	0.4	0.79	10	< 10	720	< 0.5	< 2	0.45	0.5	3	6	14	1.25	< 10	1	0.05	< 10	0.06	150
BB34182	201	202	0.8	0.91	8	< 10	530	< 0.5	< 2	0.13	0.5	8	10	40	3.13	< 10	< 1	0.11	10	0.09	190
BB34183	201	202	1.0	0.96	12	< 10	540	< 0.5	< 2	0.17	1.0	14	12	91	4.84	< 10	2	0.21	20	0.12	200
BB34184	201	202	0.8	0.69	14	< 10	330	< 0.5	< 2	0.06	0.5	13	9	43	3.30	< 10	< 1	0.13	10	0.08	130
BB34185	201	202	1.0	1.20	22	< 10	570	< 0.5	< 2	0.50	2.0	14	21	79	3.81	< 10	< 1	0.22	30	0.14	195
BB34186	201	202	4.8	0.39	60	< 10	110	< 0.5	< 2	0.19	1.5	5	23	48	5.21	< 10	1	0.64	20	0.01	115
BB34187	201	202	2.4	0.96	42	< 10	270	1.5	< 2	0.37	3.0	11	22	154	5.29	< 10	1	0.38	30	0.07	185
BB34188	201	202	2.0	0.49	38	< 10	360	< 0.5	< 2	0.34	3.0	7	16	69	3.49	< 10	< 1	0.29	10	0.03	110
BB34189	201	202	2.8	0.53	38	< 10	310	< 0.5	< 2	0.42	6.0	12	17	97	4.36	< 10	< 1	0.34	10	0.03	195
BB34190	201	202	3.2	0.57	66	< 10	310	0.5	< 2	0.73	15.5	19	20	160	4.45	< 10	< 1	0.27	20	0.06	285
BB34191	201	202	0.8	0.64	44	< 10	420	< 0.5	< 2	0.32	3.0	10	13	49	3.02	< 10	< 1	0.10	20	0.11	250
BB34192	201	202	0.8	0.63	26	< 10	480	< 0.5	< 2	0.33	3.5	11	9	73	2.65	< 10	1	0.13	30	0.11	190
BB34193	201	202	2.2	0.61	38	< 10	380	< 0.5	< 2	0.47	6.0	10	15	97	3.27	< 10	1	0.20	30	0.07	160
BB34194	201	202	3.2	0.47	34	< 10	280	< 0.5	< 2	0.39	11.0	12	11	147	3.34	< 10	< 1	0.14	30	0.07	300
BB34195	201	202	1.8	0.71	34	< 10	380	< 0.5	< 2	0.64	3.5	6	21	64	2.64	< 10	2	0.25	30	0.06	120
BB34196	201	202	1.2	1.06	30	< 10	430	0.5	< 2	0.49	2.0	13	22	77	3.63	< 10	< 1	0.19	30	0.16	275
BB34197	201	202	0.8	0.79	24	< 10	390	< 0.5	< 2	0.33	1.0	10	17	55	3.36	< 10	1	0.19	20	0.11	160
BB34198	201	202	0.2	1.01	12	< 10	460	< 0.5	< 2	0.13	< 0.5	8	16	41	3.15	< 10	< 1	0.15	10	0.12	165
BB34199	201	202	0.2	0.73	14	< 10	460	< 0.5	< 2	0.05	< 0.5	13	10	45	3.31	< 10	< 1	0.11	20	0.09	280
BB34200	201	202	0.4	0.83	12	< 10	980	< 0.5	< 2	0.09	0.5	8	8	37	2.81	< 10	< 1	0.07	10	0.06	180
BB34201	201	202	0.6	0.90	16	< 10	780	< 0.5	< 2	0.37	1.0	13	11	61	3.73	< 10	< 1	0.09	10	0.13	215
BB34202	201	202	2.4	0.73	44	< 10	1640	< 0.5	< 2	0.76	14.5	13	49	139	3.17	< 10	< 1	0.14	10	0.24	265
BB34203	201	202	1.2	0.26	28	< 10	670	< 0.5	< 2	1.57	3.5	19	7	92	4.10	< 10	< 1	0.08	10	0.45	355
BB34204	201	202	2.6	1.63	70	< 10	760	< 0.5	< 2	0.04	1.5	6	34	131	4.68	< 10	1	0.21	< 10	0.06	90
BB34205	201	202	1.2	2.16	94	< 10	>10000	< 0.5	< 2	0.01	4.5	9	63	96	3.45	< 10	< 1	0.25	< 10	0.02	170
BB34206	201	202	1.2	1.15	58	< 10	3290	< 0.5	< 2	0.29	9.5	11	61	110	3.22	< 10	< 1	0.20	30	0.15	235
BB34207	201	202	0.8	0.70	14	10	760	< 0.5	< 2	1.91	13.5	12	19	67	2.89	< 10	< 1	0.15	30	0.23	515
BB34208	201	202	0.6	0.79	18	< 10	620	< 0.5	< 2	0.04	< 0.5	15	13	60	4.12	< 10	< 1	0.12	10	0.07	340
BB34209	201	202	0.2	0.58	14	< 10	510	< 0.5	< 2	0.02	< 0.5	8	9	48	3.27	< 10	< 1	0.10	10	0.04	150
BB34210	201	202	0.2	0.88	8	< 10	290	< 0.5	< 2	0.04	< 0.5	11	11	44	3.25	< 10	< 1	0.09	10	0.18	210
BB34211	201	202	0.2	0.95	12	< 10	310	< 0.5	< 2	0.11	< 0.5	10	17	45	3.27	< 10	< 1	0.16	20	0.23	255
BB34212	201	202	2.4	2.35	46	< 10	270	8.0	< 2	0.19	11.0	71	14	487	5.92	< 10	< 1	0.09	40	0.01	915
BB34213	201	202	0.6	0.86	22	< 10	250	< 0.5	< 2	0.13	0.5	8	11	47	3.40	< 10	< 1	0.10	10	0.07	115
BB34214	201	202	0.6	0.59	22	< 10	160	< 0.5	< 2	0.11	0.5	5	8	48	2.74	< 10	< 1	0.08	10	0.08	165
BB34215	201	202	0.2	0.76	18	< 10	280	< 0.5	< 2	0.03	< 0.5	4	12	27	2.21	< 10	< 1	0.06	10	0.07	55
BB34216	201	202	0.4	0.67	20	< 10	510	< 0.5	< 2	0.27	0.5	3	7	22	1.34	< 10	< 1	0.05	10	0.08	50
BB34217	201	202	0.4	0.70	14	< 10	340	< 0.5	< 2	0.23	0.5	7	4	27	2.11	< 10	< 1	0.07	10	0.07	200
BB34218	201	202	1.0	0.69	48	< 10	280	< 0.5	< 2	0.32	1.5	12	9	79	2.92	< 10	< 1	0.10	30	0.10	305
BB34219	201	202	0.6	1.28	8	< 10	750	< 0.5	< 2	0.41	1.5	6	12	34	2.31	< 10	< 1	0.13	30	0.28	145

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SAMPLE	PREP CODE		Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BB34180	201	202	69	< 0.01	198	2640	20	0.08	14	6	30	0.01	< 10	< 10	729	< 10	958
BB34181	201	202	2	0.03	11	1660	8	0.10	2	< 1	16	< 0.01	< 10	< 10	38	< 10	64
BB34182	201	202	8	0.01	40	2090	22	0.15	2	< 1	17	< 0.01	< 10	< 10	44	< 10	222
BB34183	201	202	5	< 0.01	62	1940	30	0.24	6	2	28	< 0.01	< 10	< 10	44	< 10	318
BB34184	201	202	6	< 0.01	47	1210	32	0.14	2	1	15	< 0.01	< 10	< 10	30	< 10	190
BB34185	201	202	13	< 0.01	82	4850	242	0.17	6	1	50	< 0.01	< 10	< 10	81	< 10	408
BB34186	201	202	152	< 0.01	39	3440	344	1.23	26	4	100	0.01	< 10	< 10	201	< 10	308
BB34187	201	202	59	< 0.01	104	6410	370	0.70	12	5	76	< 0.01	< 10	< 10	152	< 10	802
BB34188	201	202	48	< 0.01	61	3440	598	0.53	10	2	47	< 0.01	< 10	< 10	109	< 10	504
BB34189	201	202	68	< 0.01	101	4050	920	0.63	14	4	51	< 0.01	< 10	< 10	141	< 10	862
BB34190	201	202	62	< 0.01	168	4580	420	0.41	14	5	50	< 0.01	< 10	< 10	162	< 10	1310
BB34191	201	202	33	< 0.01	81	1210	116	0.09	6	< 1	23	< 0.01	< 10	< 10	104	< 10	594
BB34192	201	202	29	< 0.01	76	1770	26	0.08	6	1	16	< 0.01	< 10	< 10	61	< 10	452
BB34193	201	202	44	< 0.01	84	2610	388	0.26	12	3	35	< 0.01	< 10	< 10	111	< 10	924
BB34194	201	202	52	< 0.01	133	1820	88	0.05	8	5	15	< 0.01	< 10	< 10	124	< 10	1370
BB34195	201	202	39	< 0.01	48	4130	592	0.30	10	3	43	< 0.01	< 10	< 10	150	< 10	454
BB34196	201	202	28	< 0.01	72	4070	2030	0.19	8	2	55	0.01	< 10	< 10	162	< 10	926
BB34197	201	202	27	< 0.01	55	3390	916	0.21	6	< 1	42	< 0.01	< 10	< 10	102	< 10	438
BB34198	201	202	9	< 0.01	38	2240	52	0.13	2	< 1	25	< 0.01	< 10	< 10	66	< 10	202
BB34199	201	202	8	< 0.01	39	930	26	0.07	2	1	13	< 0.01	< 10	< 10	53	< 10	184
BB34200	201	202	7	< 0.01	27	1090	22	0.08	< 2	1	13	< 0.01	< 10	< 10	42	< 10	138
BB34201	201	202	6	< 0.01	53	2390	26	0.11	< 2	2	35	< 0.01	< 10	< 10	38	< 10	282
BB34202	201	202	51	< 0.01	193	2550	24	0.04	20	5	31	< 0.01	< 10	< 10	402	< 10	1010
BB34203	201	202	17	< 0.01	150	1110	32	0.03	10	5	16	< 0.01	< 10	< 10	34	< 10	754
BB34204	201	202	83	0.01	87	2190	46	0.33	20	5	96	0.04	< 10	< 10	661	< 10	746
BB34205	201	202	32	0.01	70	1070	18	0.04	10	7	24	0.14	< 10	< 10	515	< 10	678
BB34206	201	202	75	< 0.01	194	1800	20	0.07	14	4	20	0.01	< 10	< 10	1165	< 10	1025
BB34207	201	202	26	< 0.01	121	1760	14	0.03	10	4	27	< 0.01	< 10	< 10	162	< 10	906
BB34208	201	202	12	< 0.01	51	1470	30	0.10	4	< 1	16	< 0.01	< 10	< 10	79	< 10	264
BB34209	201	202	9	< 0.01	37	930	26	0.10	< 2	< 1	16	< 0.01	< 10	< 10	58	< 10	190
BB34210	201	202	7	< 0.01	42	920	26	0.06	< 2	1	11	< 0.01	< 10	< 10	51	< 10	188
BB34211	201	202	7	0.01	43	1600	46	0.10	< 2	< 1	21	< 0.01	< 10	< 10	60	< 10	196
BB34212	201	202	51	< 0.01	364	3630	56	0.09	< 2	9	12	< 0.01	< 10	< 10	67	< 10	1535
BB34213	201	202	17	< 0.01	58	2330	182	0.16	2	< 1	24	< 0.01	< 10	< 10	62	< 10	304
BB34214	201	202	29	< 0.01	44	1760	102	0.08	2	< 1	14	< 0.01	< 10	< 10	57	< 10	310
BB34215	201	202	14	< 0.01	27	1440	68	0.08	< 2	< 1	16	< 0.01	< 10	< 10	53	< 10	154
BB34216	201	202	8	< 0.01	26	1120	32	0.04	< 2	< 1	15	< 0.01	< 10	< 10	41	< 10	138
BB34217	201	202	16	0.01	30	1130	18	0.05	4	1	13	< 0.01	< 10	< 10	29	< 10	208
BB34218	201	202	39	< 0.01	80	2180	64	0.06	2	1	15	< 0.01	< 10	< 10	74	< 10	598
BB34219	201	202	8	0.01	33	1760	32	0.06	< 2	2	25	< 0.01	< 10	< 10	57	< 10	228

CERTIFICATION:



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

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

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

Project : SELWYN-HP  
 Comments:

Page Number : 8-A  
 Total Pages : 8  
 Certificate Date: 23-AUG-1999  
 Invoice No. : 19925909  
 P.O. Number :  
 Account : MPO

## CERTIFICATE OF ANALYSIS A9925909

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
BB34220	201 202	1.0	0.73	34	< 10	370	< 0.5	< 2	1.14	4.5	13	9	67	3.14	< 10	< 1	0.19	30	0.50	300
BB34221	201 202	0.6	0.76	18	< 10	280	< 0.5	< 2	0.32	0.5	4	9	40	2.09	< 10	< 1	0.09	10	0.08	50
BB34222	201 202	0.6	0.88	62	< 10	260	< 0.5	< 2	0.63	2.0	14	19	76	4.71	< 10	< 1	0.17	30	0.07	310
BB34223	201 202	0.4	0.53	18	< 10	400	< 0.5	< 2	0.04	< 0.5	7	9	42	2.89	< 10	< 1	0.11	10	0.04	120
BB34224	201 202	0.2	0.76	12	< 10	260	< 0.5	< 2	0.24	< 0.5	9	14	42	2.94	< 10	1	0.18	20	0.16	210
BB34225	201 202	0.2	0.83	14	< 10	290	< 0.5	< 2	0.08	0.5	10	9	41	3.32	< 10	1	0.08	20	0.08	145
BB34226	201 202	0.6	0.68	20	< 10	1200	< 0.5	< 2	0.13	0.5	11	7	54	3.70	< 10	< 1	0.10	10	0.04	185
BB34227	201 202	0.8	0.70	32	< 10	2140	< 0.5	< 2	0.24	5.5	10	25	90	2.79	< 10	< 1	0.10	10	0.14	205
BB34228	201 202	0.8	0.90	34	< 10	1700	< 0.5	< 2	0.16	2.0	9	18	88	2.68	< 10	< 1	0.09	10	0.06	210
BB34229	201 202	0.8	0.87	42	< 10	2090	< 0.5	< 2	0.20	7.5	7	18	79	2.36	< 10	< 1	0.09	< 10	0.06	130
BB34230	201 202	1.4	1.21	54	< 10	1740	< 0.5	< 2	0.13	6.0	7	22	101	3.09	< 10	1	0.15	< 10	0.04	150
BB34231	201 202	1.2	0.29	30	< 10	670	< 0.5	< 2	< 0.01	< 0.5	< 1	6	29	1.94	< 10	1	0.15	< 10	0.01	15
BB34232	201 202	1.0	0.40	50	< 10	840	< 0.5	< 2	< 0.01	< 0.5	1	7	29	3.26	< 10	< 1	0.16	< 10	0.03	35
BB34233	201 202	0.8	0.44	34	< 10	1290	< 0.5	< 2	< 0.01	< 0.5	< 1	10	25	2.65	< 10	< 1	0.13	10	0.03	20
BB34234	201 202	1.2	0.51	34	< 10	900	< 0.5	< 2	0.01	< 0.5	1	9	26	3.12	< 10	< 1	0.19	< 10	0.04	50

CERTIFICATION:



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

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



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

Project: SELWYN-HP  
Comments:

Page Number: 8-B  
Total: 8  
Certificate Date: 23-AUG-1999  
Invoice No.: 19925909  
P.O. Number:  
Account: MPO

## CERTIFICATE OF ANALYSIS

### A9925909

SAMPLE	PREP CODE		Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BB34220	201	202	30	< 0.01	76	1400	22	0.09	8	4	22	< 0.01	< 10	< 10	55	< 10	554
BB34221	201	202	21	0.01	38	1440	88	0.08	2	< 1	16	< 0.01	< 10	< 10	61	< 10	208
BB34222	201	202	27	< 0.01	112	5210	62	0.07	10	2	22	< 0.01	< 10	< 10	112	< 10	616
BB34223	201	202	18	< 0.01	50	1150	70	0.13	< 2	< 1	23	< 0.01	< 10	< 10	77	< 10	276
BB34224	201	202	8	< 0.01	46	1980	78	0.09	< 2	1	18	< 0.01	< 10	< 10	60	< 10	204
BB34225	201	202	7	< 0.01	47	1570	28	0.06	2	1	11	< 0.01	< 10	< 10	45	< 10	224
BB34226	201	202	8	0.01	46	2620	18	0.14	2	< 1	15	< 0.01	< 10	< 10	35	< 10	230
BB34227	201	202	44	< 0.01	112	1510	18	0.07	10	3	27	0.01	< 10	< 10	293	< 10	632
BB34228	201	202	24	0.01	71	1570	24	0.11	8	2	30	0.01	< 10	< 10	158	< 10	448
BB34229	201	202	28	0.01	80	1470	22	0.11	10	2	31	0.01	< 10	< 10	173	< 10	516
BB34230	201	202	40	< 0.01	84	2200	50	0.26	18	4	43	0.01	< 10	< 10	190	< 10	516
BB34231	201	202	21	< 0.01	6	660	62	0.28	10	1	26	< 0.01	< 10	< 10	26	< 10	56
BB34232	201	202	29	< 0.01	9	980	66	0.29	8	1	27	< 0.01	< 10	< 10	33	< 10	98
BB34233	201	202	26	< 0.01	6	800	78	0.20	4	< 1	29	< 0.01	< 10	< 10	35	< 10	56
BB34234	201	202	22	0.01	8	870	62	0.32	2	1	30	< 0.01	< 10	< 10	40	< 10	72

CERTIFICATION:

**APPENDIX IV**  
**ROCK SAMPLE DESCRIPTIONS**

**Rock Sample Descriptions**

Project: Sekwyn Property: HP

Sample Number: BB34432 Grid North: N Grid East: E Type: Bedrock Dimension: Zn Pb Ni Ag  
 UTM: 6928780 N UTM: 487550 E Sample Width: 5m Abundance: 612ppm 18ppm 43ppm 1.4ppm  
 Elevation: 1530 m

Comments: 5m chip sample across black calcareous shale of the Lower Shale Unit, abundant hydrozincite staining on surface

Sample Number: BB32723 Grid North: N Grid East: E Type: Bedrock Dimension: Zn Pb Ni Ag  
 UTM: 6928725 N UTM: 487780 E Sample Width: 1m Abundance: 524ppm 38ppm 41ppm 1.8ppm  
 Elevation: 1580 m

Comments: 1m chip sample of black calcareous shale of the Lower Shale Unit, hydrozincite staining on fractures

Sample Number: BB58187 Grid North: 9+375 N Grid East: 12+250 E Type: Float Dimension: 15cm x 6cm Zn Pb Ag Bi  
 UTM: 6927530 N UTM: 488915 E Sample Width: Abundance: 11.20% 9.22% 300ppm 1040ppm  
 Elevation: 1650 m

Comments: "whitish grey zinc-lead mudstone" of the Actue Member  
- rust brown weathering, whitish grey zinc-lead mudstone with finely crystalline carbonate  
- sulphides - fine grained sphalerite laminae, fine and coarse grained galena and disseminated fibrobladed pyrite  
- 70 ppb Au, 80 ppm Cu

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

Comments: \_\_\_\_\_

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

Comments: \_\_\_\_\_

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

Comments: \_\_\_\_\_

0940911

# ARCHER, CATHRO

& ASSOCIATES (1981) LIMITED

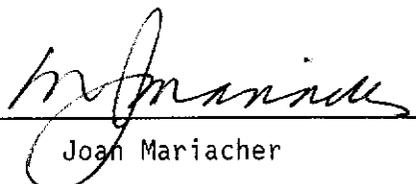
CONSULTING GEOLOGICAL ENGINEERS

Box 4127, 2054 SECOND AVENUE, WHITEHORSE, Y.T. Y1A 3S9 TEL (403) 667 - 4415

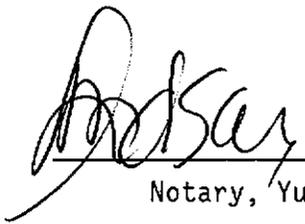
## AFFIDAVIT

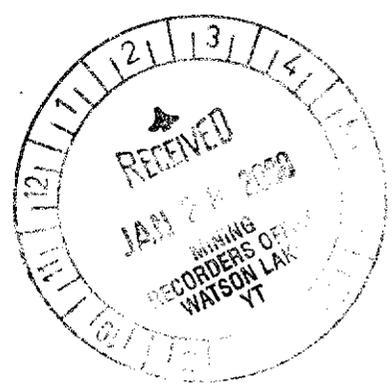
I, Joan Mariacher, of WHITEHORSE, YUKON make oath and say:

That to the best of my knowledge the attached Statement of Expenditures for exploration work on the HP 1-31 mineral claims on Claim Sheet 1051/6 is accurate.

  
\_\_\_\_\_  
Joan Mariacher

Sworn before me at WHITEHORSE, YUKON  
this 19TH day of  
OCTOBER, 1999

  
\_\_\_\_\_  
Notary, Yukon Territory



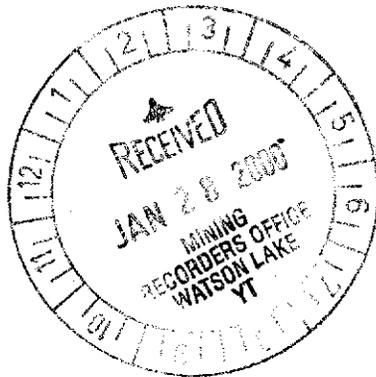
Statement of Expenditures  
HP 1-31 Mineral Claims  
October 18, 1999

Labour

F. Gish – geologist – July 28 to August 14 – 18 days at \$344/day	\$ 6,625.44
I. Weatherston – field assistant – July 28 to August 14 – 18 days at \$187.50/day	<u>3,611.25</u>
	10,236.69

Expenses

Field room and board – 36 days at \$115/day	4,429.80
Trans North Bell 206B – 5.1 hours at \$700 plus fuel	3,986.88
Chemex Labs	<u>4,141.08</u>
	12,557.76
	<u>\$22,794.45</u>



ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

In Account With

Project NR PROJECT  
Date JULY 31, 1999

LABOUR				
Field	A. ARCHER - 5 HR AT 66/HR	(WOLFMAN-198)	330.00	
	D. EATON - 21 HR AT 56/HR		1176.00	
	F. GISH - 194 HR AT 43/HR	(HP-149/WOLFMAN-6973)	8342.00	
	B. GAY - 1 1/2 DAYS AT 247.50/DAY		371.25	
	I. WEATHERSTON - 23 1/2 DAYS AT 187.50/DAY	(HP-796.88)	4406.25	
Office	M. COOKE - 9 HR AT 36.70/HR		330.30	
Accounting and Expediting	A. GELLING - 22 1/2 HR AT 46/HR		1035.00	
	J. MARIACHER - 38 HR AT 46.67/HR	(HP/MS-221.68)	1773.46	17764.26
<b>OTHER SERVICES</b>				
	Room & Board in Whitehorse	6 DAYS AT 60/DAY	360.00	
	Field equipment from AC stock		864.00	
	Printing	Photocopies 371 @ .25	92.75	
	Rentals from AC JULY 1-31 - 2 HANDHELD GPS AT 230/MO	AT 100EA/MO + 56X11 AT 300/MO + (HP-17.75)	730.00	
Drafting	16 1/2 hrs at \$36 /hr.	(HP-216 WOLFMAN-378)	594.00	
	LEARNIS COURIER - 1 AT 13.50EA		13.50	2654.25
<b>EXPENSES</b>				
	Petty Cash	2.88 DV + 9.44 DV + 21.87 DV + 4.67 DV + 8.56 DV + 24.55 DV	81.97	
	Telephone	71.53	71.53	
	WELCOME INN	31.66 + 122.50 (HP) + 47.50	201.66	
	PNT TRANSPORTATION	83.49 + 38.50	121.99	
	JOAN M XP ALL		11.20	
	BEAVER LUMBER		43.96	
	MAC'S FIREWEED		189.17	
	SUNRISE SERVICE		40.14	
	DORNEY DEVELOPMENTS	23.83 (HP) + 35.58	59.41	
	KILEEN'S PLACE	53.32 (HP) + 32.53	85.85	
	HOUGHEN'S PHOTO		35.05	
	PRO HARDWARE		10.44	
	POLAR PROGRAM		10.50	
	SECOND AVENUE SHELL	11.68 DV + 7.48 DV (HP) + 39.77 + 34.2 (HP)	62.55	
	NORCAN LEASING		550.54	1574.94
MANAGEMENT	6% - ON EXPENSES		94.56	
	- ON FIELD AC		971.61	1066.17
				23060.62
GST (R100247667)	7% ON 23060.62			1614.24

E=GST exempt

24674.86

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

In Account With

Project

NR PROJECT

Date

AUGUST 31, 1999

LABOUR				
Field	A. ARCHER - 6 HRS AT 66/HR	(HP-66 Wolf-330)	396.00	
	R. CARNE - 46 HRS AT 56/HR	(HP-776 Wolf-2240)	2576.00	
	D. EATON - 32 HRS AT 56/HR		1792.00	
	F. GISH - 246 HRS AT 43/HR	(HP-4515 Nov-2365 Wolf-3698)	10578.00	
	J. OWERKO - 12 DAYS AT 225/DAY		2700.00	
	I. WEATHERSTON - 21 DAYS AT 187.50/DAY	(HP-26X Nov-1312.50)	3937.50	
Office	M. COOKE - 4 1/4 HRS AT 36.70/HR		165.15	
Accounting and Expediting	A. GELLING - 15 1/4 HRS AT 46/HR	(HP/Nov-575)	713.00	
	J. MARACHEL - 58 1/4 HRS AT 46.67/HR	(HP/Nov-1061.74)	2720.00	2587.85
<b>OTHER SERVICES</b>				
Room & Board in Whitehorse	8 DAYS AT 60/DAY		480.00	
Field equipment from AC stock			103.30	
Printing	Photocopies 290 AT .25		72.50	
Rentals from AC AUGUST 1-31 - 56X11 AT 300/MO + 2 KOM'S AT 100/MO EACH + 1 G'S AT 250/MO			730.00	
Drafting	51 hrs at \$36 /hr.	(HP/Nov-576.)	1836.00	322/80
<b>EXPENSES</b>				
Petty Cash	499.01 + 6.75 DV		11.74	
Telephone	25.03		25.03	
JOAN M EXPENSES		DI	8.96	
TRANS NORTH			1649.72	
ATLAS TRAVEL			1472.00	
CARMACKS HOTEL			25.55	
PRO HARDWARE			25.79	
HODGEN'S PHOTO		(HP-27.37)	49.35	
CALL			31.67	
NORGAN LEASING		(HP-103.23)	808.16	
SECONA AVENUE SHELL			16.46	
DDREY DEVELOPMENTS		(HP-20.79)	92.47	
WELCOME INK		(HP-31.67)	269.17	
PNT TRANSPORTATION		(HP-77 Nov-28.50)	115.50	4601.57
MANAGEMENT	6% - ON EXPENSES		276.09	
	- ON FIELD A/C		743.43	1019.52
GST (R100247667)	7% ON 34430.74			34430.74
				2410.15

E=GST exempt

3684089



REMIT PAYMENT TO:  
**TRANS NORTH HELICOPTERS**  
 TRANS NORTH TURBO AIR LTD.  
 20 NORSEMAN ROAD • WHITEHORSE • YUKON • Y1A 6E6  
 TELEPHONE (867) 668-2177 FAX (867) 668-3420

ACCOUNT NUMBER	ARCHEXP		
INVOICE NUMBER	24099		
INVOICE DATE	31	10	99
A/C TYPE	206B	AIRCRAFT REGISTRATION C	
FLIGHT DATE	29	07	99
PURCHASE ORDER NO.			

~~ANCHER CHARTER~~  
 CHARTERER

EXPATRIATE RESOURCES  
 BILLING ADDRESS

Box 4127 Whitehorse Y1A-3S9

FUEL & OIL	TNTA FUEL USED	HRS LITRES	FROM
<input checked="" type="checkbox"/> TMTA	<input type="checkbox"/> CUST.	YDM	2.0

FROM	UP/DOWN TIME	HOURS	REMARKS - NO. OF PASS - FREIGHT Kg
YDM			
HP CAMP		4.3	FRANK & GEAR
BEARS CAMP		.5	1 PAX & GEAR
YDM			
HP- 3.3 <del>2.0</del>			
2419.70			
169.38			
2589.10			

SUB	G.L.	AMOUNT		
1607	502	336000	4.8	@ 700 - 336000
1600	131	15960		@
0000	323	24637		FUEL 228.0 @ .70 / LITRE 15960

TERMS: PAYABLE UPON RECEIPT OF INVOICE.  
 2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X CHARTERER'S SIGNATURE

CHARTERER'S NAME (PRINTED)

INITIALS PILOTS SIGNATURE

MEC ENGINEER'S NAME MARK

HOLDING TIME:	@	/ HR.	
MEALS & LODGINGS			
OTHER			
OTHER			
SUB TOTAL			3519 60
GOODS & SERVICES TAX REGISTRATION NO. R121483135			246 37

TOTAL \$ 3765.97

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.  
 TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

**THIS IS YOUR ONLY INVOICE - PAY UPON RECEIPT**



REMIT PAYMENT TO:  
**TRANS NORTH HELICOPTERS**  
 TRANS NORTH TURBO AIR LTD.  
 20 NORSEMAN ROAD • WHITEHORSE • YUKON • Y1A 6E6  
 TELEPHONE (867) 668-2177 FAX (867) 668-3420

*Archer Catmo*  
 CHARTERER  
**EXPATRIATE RESOURCES**  
 BILLING ADDRESS  
**Box 4127 WHSE YT Y1A-3S9**

ACCOUNT NUMBER	ARCHEXP		
INVOICE NUMBER	24127		
INVOICE DATE	09	08	29
A/C TYPE	206B	GFKD	
FLIGHT DATE	07	08	99
PURCHASE ORDER NO.			

FUEL & OIL-X	TNTA FUEL USED	HRS LITRES	FROM
✓	✓	YDM	2.0

FROM	UP/DOWN TIME	HOURS	REMARKS - NO. OF PASS - FREIGHT Kg
YDM			
FRANKS			
KZR TURN OFF.		1.8	
BELLS CAMP.		.8	
BRYANS CAMP.		1.7	
<del>YDM</del> BRYANS CAMP		1.1	
YDM		.8	
<p>1.8 HP 1306.34            91.44            1297.78</p>			

SUB	GL	AMOUNT		
1607502		441000	6.2	@ 700 - 4340.00
1600131		15960		@ / HR.
0000323		31987	FUEL 228	@ .70 / LITRE 15960

TERMS: PAYABLE UPON RECEIPT OF INVOICE.  
 2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X *Bryans Day*  
 CHARTERER'S SIGNATURE

INITIALS *GMS*  
 PILOT'S SIGNATURE

ENGINEER'S NAME *MARK*

MEALS & LODGINGS	
OTHER	
OTHER	
SUB TOTAL	4499.60
GOODS & SERVICES TAX REGISTRATION NO. R121483135	314.97
<b>TOTAL</b>	<b>\$ 4814.57</b>

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.  
 TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

**THIS IS YOUR ONLY INVOICE - PAY UPON RECEIPT**



# Chemex Labs Ltd.

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

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

**INVOICE NUMBER**

**I 9 9 2 5 9 0 9**

## BILLING INFORMATION

Date: 24-AUG-1999  
Project: SELWYN-HP *u*  
P.O. No.:  
Account: MPO

Comments:

Billing: For analysis performed on  
Certificate A9925909

Terms: Payment due on receipt of invoice  
1.25% per month (15% per annum)  
charged on overdue accounts

Please Remit Payments to:

**CHEMEX LABS LTD.**  
212 Brooksbank Ave.,  
North Vancouver, B.C.  
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
295	201 - Dry, sieve to -80 mesh	1.35		
	202 - save reject ICP-32	0.90 7.40	9.65	2846.75
Total Cost \$				2846.75
Client Discount ( 25%) \$				<u>-711.69</u>
Net Cost \$				2135.06
(Reg# R100938885 ) GST \$				<u>149.45</u>
<b>TOTAL PAYABLE (CDN) \$</b>				<b>2284.51</b>



# Chemex Labs Ltd.

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

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

**INVOICE NUMBER**

**I 9 9 2 6 8 5 6**

## BILLING INFORMATION

Date: 25-AUG-1999  
Project: SELWYN-HP ✓  
P.O. No.:  
Account: MPO

Comments:

Billing: For analysis performed on  
Certificate A9926856

Terms: Payment due on receipt of invoice  
1.25% per month (15% per annum)  
charged on overdue accounts

Please Remit Payments to:

**CHEMEX LABS LTD.**  
212 Brooksbank Ave.,  
North Vancouver, B.C.  
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
1	212 - Overlimit pulp, to be found 316 - Zn %	0.00 8.75	8.75	8.75
Total Cost \$				8.75
Client Discount ( 25%) \$				-2.19
Net Cost \$				6.56
(Reg# R100938885 ) GST \$				0.46
<b>TOTAL PAYABLE (CDN) \$</b>				<b>7.02</b>



# Chemex Labs Ltd.

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

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

**INVOICE NUMBER** **I 9 9 2 7 2 3 5**

**BILLING INFORMATION**

Date: 07-SEP-1999  
 Project: SELWYN-HP ✓  
 P.O. No.:  
 Account: MPO

Comments:

Billing: For analysis performed on  
Certificate A9927235

Terms: Payment due on receipt of invoice  
1.25% per month (15% per annum)  
charged on overdue accounts

Please Remit Payments to:

**CHEMEX LABS LTD.**  
 212 Brooksbank Ave.,  
 North Vancouver, B.C.  
 Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
210	201 - Dry, sieve to -80 mesh	1.35		
	202 - save reject	0.90		
	ICP-32	7.40	9.65	2026.50
Total Cost \$				2026.50
Client Discount ( 25%) \$				<u>-506.63</u>
Net Cost \$				1519.87
(Reg# R100938885 ) GST \$				<u>106.39</u>
<b>TOTAL PAYABLE (CDN) \$</b>				<b>1626.26</b>



# Chemex Labs Ltd.

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

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

**INVOICE NUMBER** **I 9 9 2 7 2 3 7**

BILLING INFORMATION	
Date:	07-SEP-1999
Project:	SELWYN-HP $\lambda$
P.O. No.:	
Account:	MPO
Comments:	
Billing:	For analysis performed on Certificate A9927237
Terms:	Payment due on receipt of invoice 1.25% per month (15% per annum) charged on overdue accounts
Please Remit Payments to:	
	<b>CHEMEX LABS LTD.</b> 212 Brooksbank Ave., North Vancouver, B.C. Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
20	205 - Geochem ring to approx 150 mesh ICP-32 0-3 Kg crush and split	2.60 7.40 2.60		252.00
				Total Cost \$ 252.00
				Client Discount ( 25%) \$ <u>-63.00</u>
				Net Cost \$ 189.00
				(Reg# R100938885 ) GST \$ <u>13.23</u>
				<b>TOTAL PAYABLE (CDN) \$ 202.23</b>



# Chemex Labs Ltd.

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

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

INVOICE NUMBER

I 9 9 2 8 0 0 5

## BILLING INFORMATION

Date: 08-SEP-1999  
Project: SELWYN-HP ✓  
P.O. No.:  
Account: MPO

Comments:

Billing: For analysis performed on  
Certificate A9928005

Terms: Payment due on receipt of invoice  
1.25% per month (15% per annum)  
charged on overdue accounts

Please Remit Payments to:

**CHEMEX LABS LTD.**  
212 Brooksbank Ave.,  
North Vancouver, B.C.  
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
1	212 - Overlimit pulp, to be found 316 - Zn %	0.00 8.75	8.75	8.75
1	212 - Overlimit pulp, to be found 312 - Pb %	0.00 8.75	8.75	8.75
				Total Cost \$ 17.50
				Client Discount ( 25%) \$ -4.38
				Net Cost \$ 13.12
				(Reg# R100938885 ) GST \$ 0.92
				<b>TOTAL PAYABLE (CDN) \$ 14.04</b>



# Chemex Labs Ltd.

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

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

INVOICE NUMBER

I 9 9 2 8 0 7 7

## BILLING INFORMATION

Date: 08-SEP-1999  
Project: SELWYN-HP   
P.O. No.:  
Account: MPO

Comments:

Billing: For analysis performed on  
Certificate A9928077

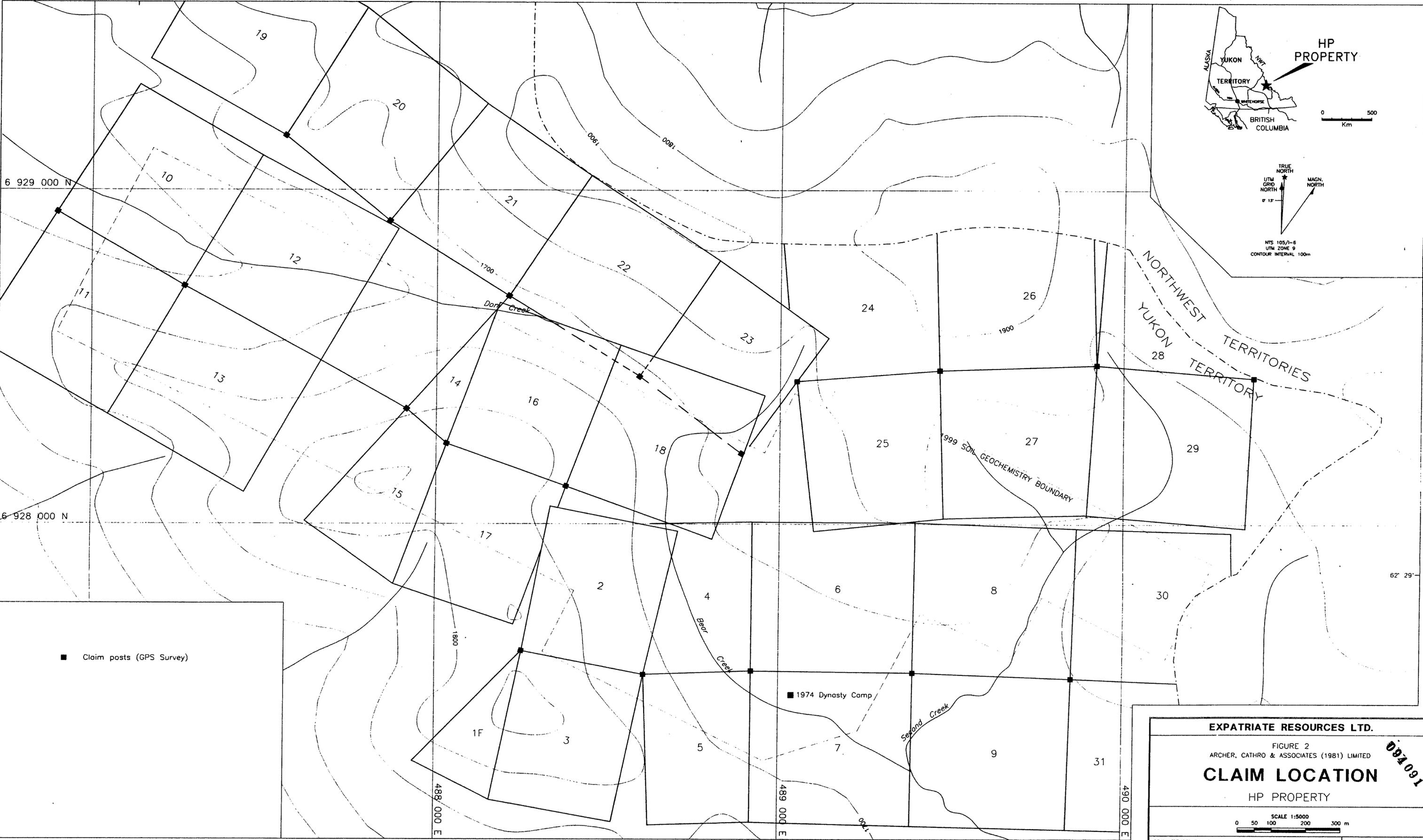
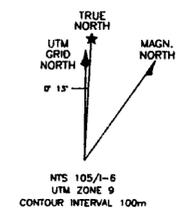
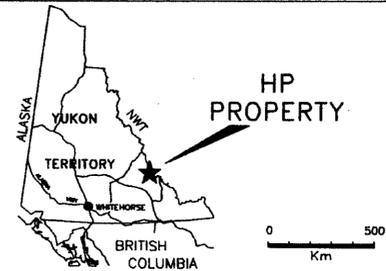
Terms: Payment due on receipt of invoice  
1.25% per month (15% per annum)  
charged on overdue accounts

Please Remit Payments to:

**CHEMEX LABS LTD.**  
212 Brooksbank Ave.,  
North Vancouver, B.C.  
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
1	212 - Overlimit pulp, to be found 312 - Pb %	0.00 8.75	8.75	8.75
				Total Cost \$ 8.75
				Client Discount ( 25%) \$ -2.19
				Net Cost \$ 6.56
				(Reg# R100938885 ) GST \$ 0.46
				<b>TOTAL PAYABLE (CDN) \$ 7.02</b>

129° 15'



■ Claim posts (GPS Survey)

■ 1974 Dynasty Camp

EXPATRIATE RESOURCES LTD.

FIGURE 2  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

# CLAIM LOCATION

HP PROPERTY

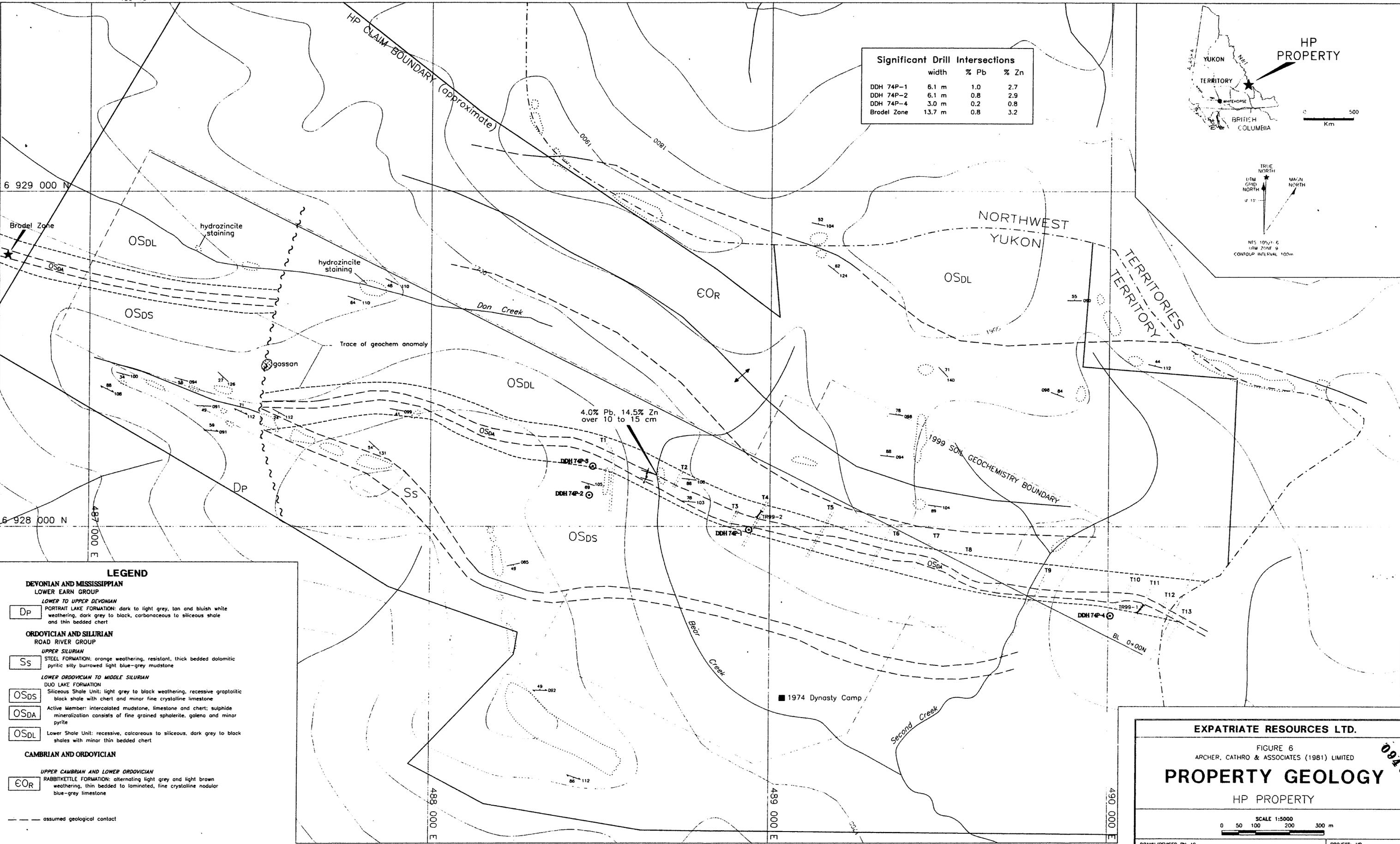
SCALE 1:5000  
0 50 100 200 300 m

DRAWN/REVISED BY: AG  
FILE: ..HP\ACAD99\HP5-CL.DWG

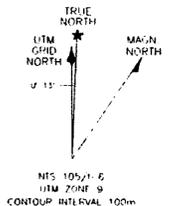
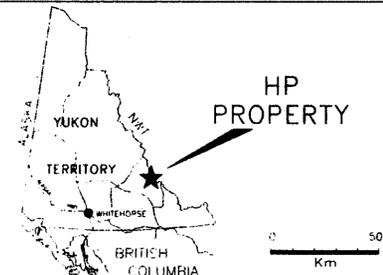
PROJECT: HP  
DATE: JANUARY, 2000

1607601

129° 15'



Significant Drill Intersections			
	width	% Pb	% Zn
DDH 74P-1	6.1 m	1.0	2.7
DDH 74P-2	6.1 m	0.8	2.9
DDH 74P-4	3.0 m	0.2	0.8
Brodie Zone	13.7 m	0.8	3.2



**LEGEND**

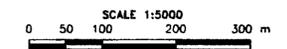
- DEVONIAN AND MISSISSIPPIAN**  
**LOWER EARN GROUP**  
 LOWER TO UPPER DEVONIAN  
 PORTRAIT LAKE FORMATION: dark to light grey, tan and bluish white weathering, dark grey to black, carbonaceous to siliceous shale and thin bedded chert  
 [DP]
- ORDOVICIAN AND SILURIAN**  
 ROAD RIVER GROUP  
 UPPER SILURIAN  
 STEEL FORMATION: orange weathering, resistant, thick bedded dolomitic pyritic silty burrowed light blue-grey mudstone  
 [Ss]
- LOWER ORDOVICIAN TO MIDDLE SILURIAN**  
 DUO LAKE FORMATION  
 Siliceous Shale Unit: light grey to black weathering, recessive groltoitic black shale with chert and minor fine crystalline limestone  
 Active Member: intercalated mudstone, limestone and chert; sulphide mineralization consists of fine grained sphalerite, galena and minor pyrite  
 [OSsDs]  
 [OSDA]  
 [OSDL]
- CAMBRIAN AND ORDOVICIAN**  
 UPPER CAMBRIAN AND LOWER ORDOVICIAN  
 RABBITKITTLE FORMATION: alternating light grey and light brown weathering, thin bedded to laminated, fine crystalline nodular blue-grey limestone  
 [EOR]
- assumed geological contact

EXPATRIATE RESOURCES LTD.

FIGURE 6  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**PROPERTY GEOLOGY**

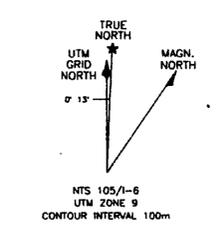
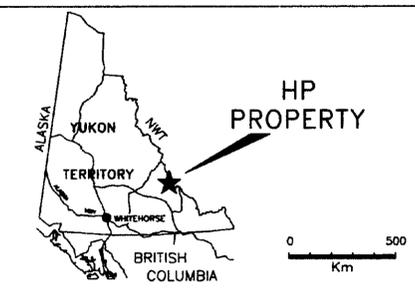
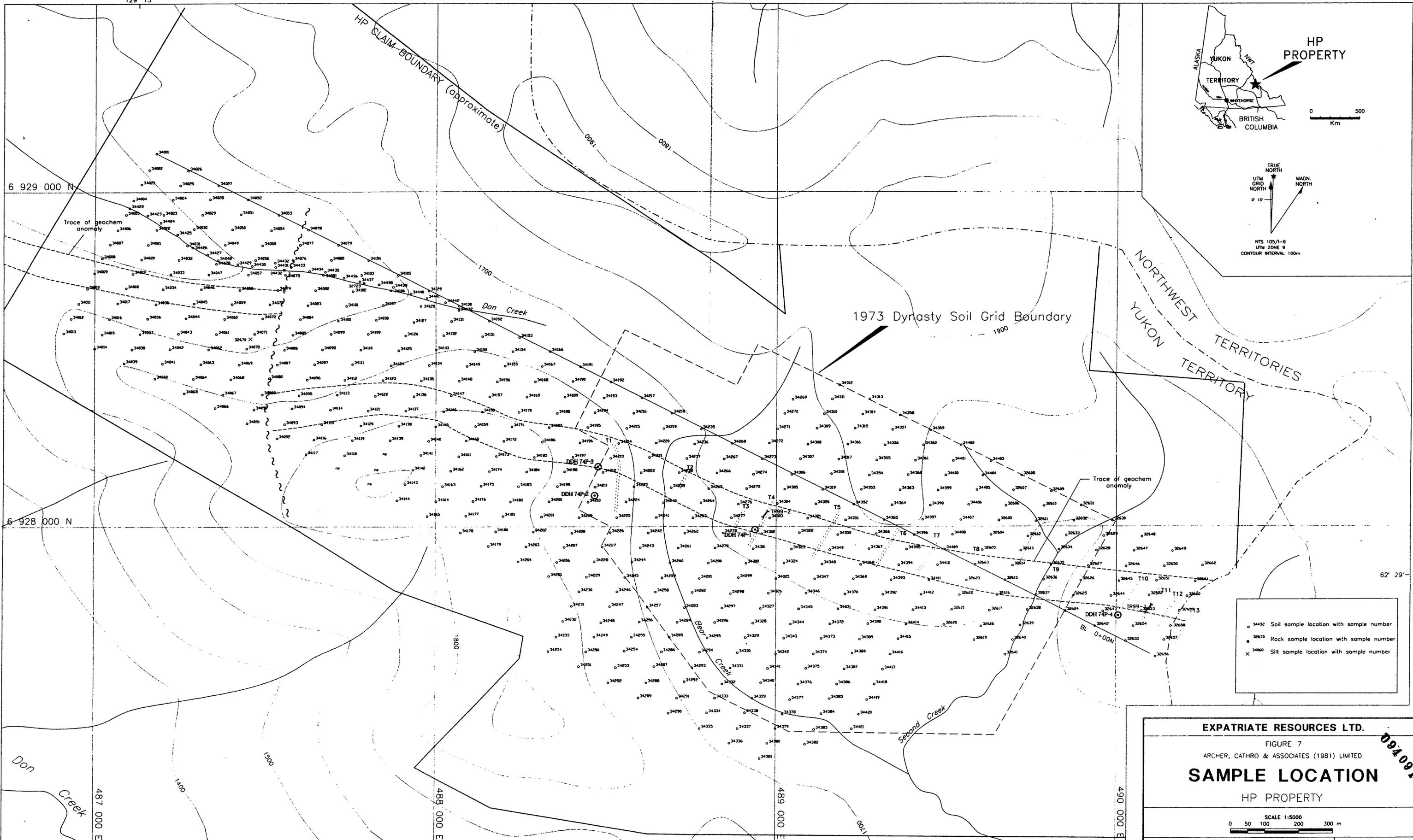
HP PROPERTY



DRAWN/REVISED BY: AG PROJECT: HP  
 FILE: ...HP\ACAD99\HPS-GEOL.DWG DATE: JANUARY, 2000

094091

129° 15'



- 34432 Soil sample location with sample number
- 32670 Rock sample location with sample number
- × 34060 Silt sample location with sample number

1604091

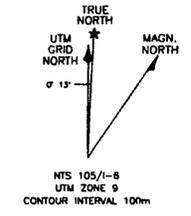
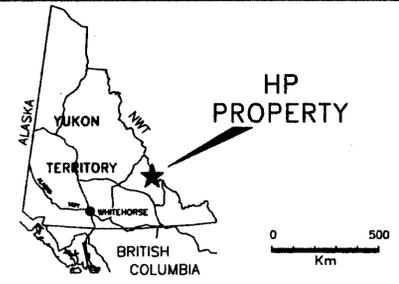
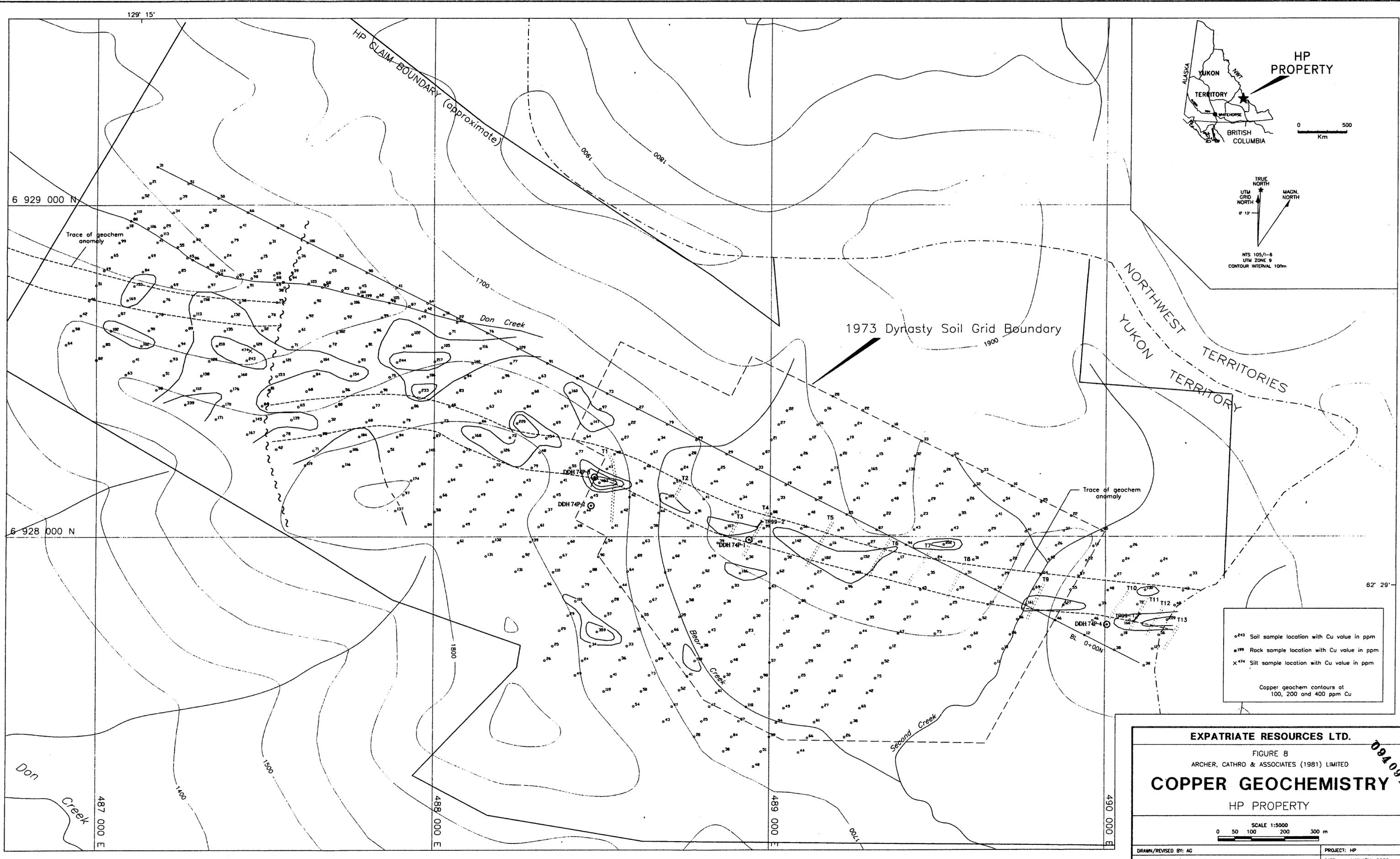
**EXPATRIATE RESOURCES LTD.**

FIGURE 7  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**SAMPLE LOCATION**  
HP PROPERTY

SCALE 1:5000  
0 50 100 200 300 m

DRAWN/REVISED BY: AG	PROJECT: HP
FILE: ..\HP\ACAD99\HP5-SL.DWG	DATE: JANUARY, 2000



○<sup>43</sup> Soil sample location with Cu value in ppm  
 ■<sup>99</sup> Rock sample location with Cu value in ppm  
 ×<sup>74</sup> Silt sample location with Cu value in ppm  
  
 Copper geochem contours at  
 100, 200 and 400 ppm Cu

1094091

**EXPATRIATE RESOURCES LTD.**

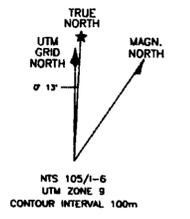
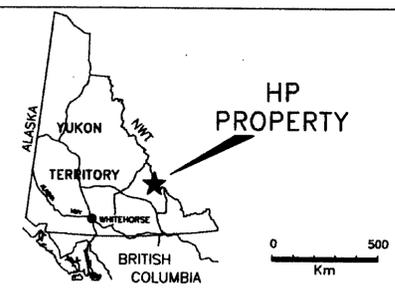
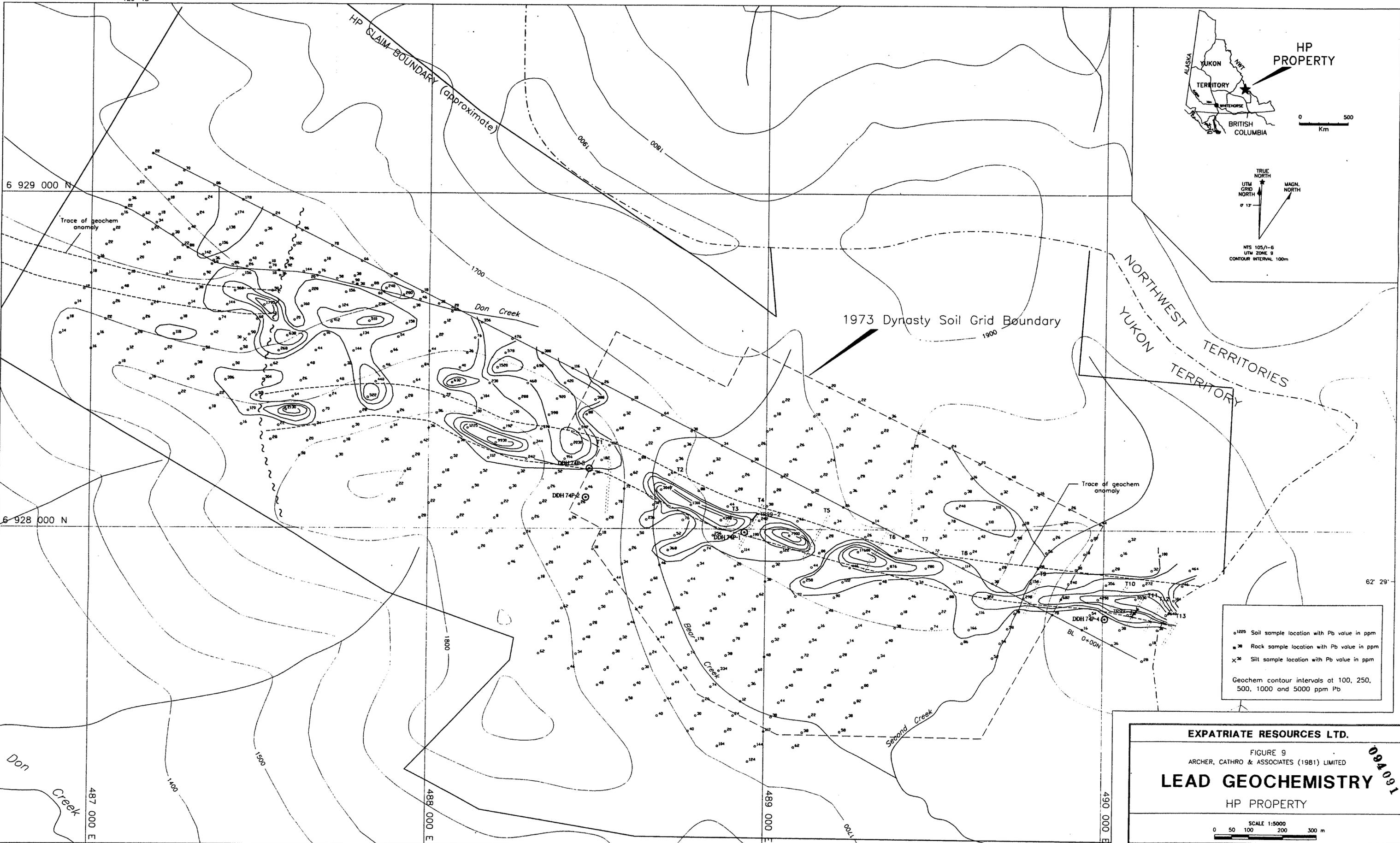
FIGURE 8  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**COPPER GEOCHEMISTRY**  
HP PROPERTY

SCALE 1:5000  
0 50 100 200 300 m

DRAWN/REVISED BY: AG	PROJECT: HP
FILE: ...HP\ACAD99\HP5-SL.DWG	DATE: JANUARY, 2000

129° 15'



○ Soil sample location with Pb value in ppm  
 ■ Rock sample location with Pb value in ppm  
 × Silt sample location with Pb value in ppm

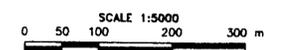
Geochem contour intervals at 100, 250, 500, 1000 and 5000 ppm Pb

EXPATRIATE RESOURCES LTD.

FIGURE 9 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

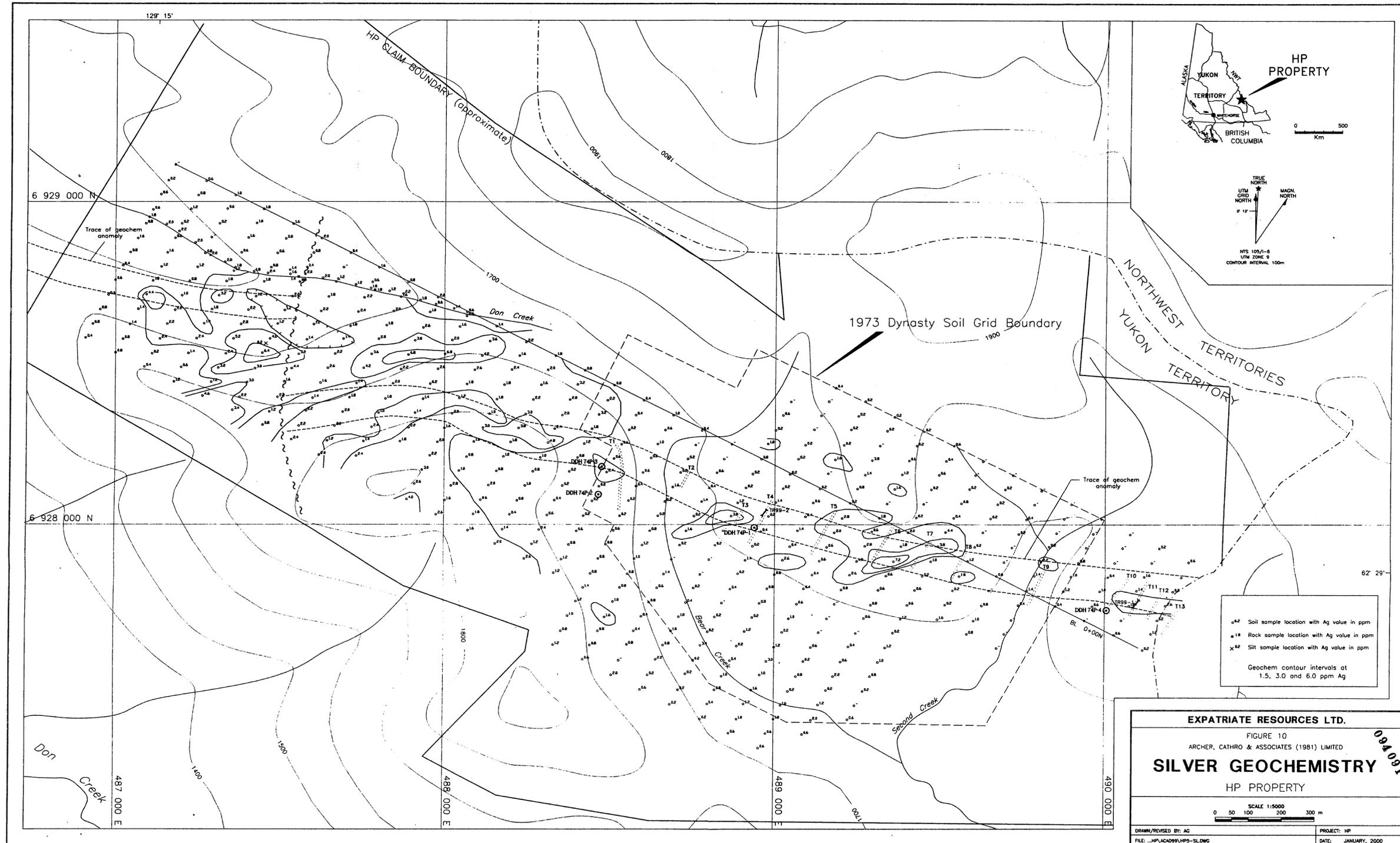
# LEAD GEOCHEMISTRY

HP PROPERTY



DRAWN/REVISED BY: AG PROJECT: HP  
 FILE: ...HP\ACAD99\HPS-SLDWG DATE: JANUARY, 2000

094091



094091

**EXPATRIATE RESOURCES LTD.**

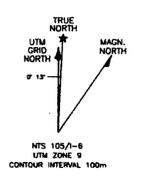
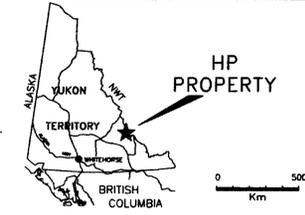
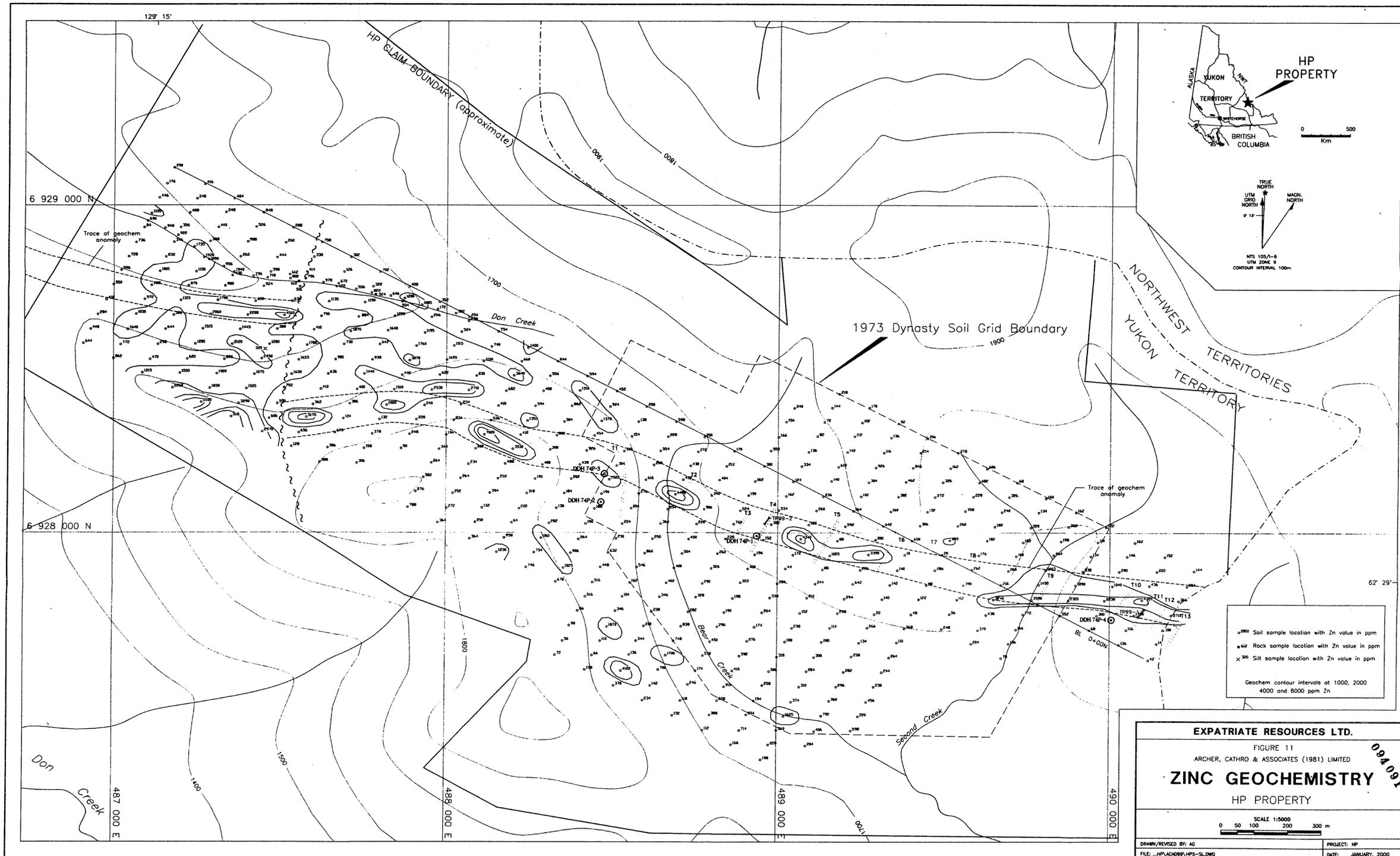
FIGURE 10  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**SILVER GEOCHEMISTRY**

HP PROPERTY

SCALE 1:5000  
0 50 100 200 300 m

DRAWN/REVISED BY: AG	PROJECT: HP
FILE: \\HP\ACAD99\HP5-SL.DWG	DATE: JANUARY, 2000



● Soil sample location with Zn value in ppm  
 ▲ Rock sample location with Zn value in ppm  
 × Silt sample location with Zn value in ppm  
 Geochem contour intervals at 1000, 2000, 4000 and 8000 ppm Zn

<b>EXPATRIATE RESOURCES LTD.</b>	
FIGURE 11 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED	
<b>ZINC GEOCHEMISTRY</b>	
HP PROPERTY	
SCALE 1:5000 0 50 100 200 300 m	
DRAWN/REVISED BY: AG	PROJECT: HP
FILE: ...HP\ACAD\98\HP5-SL.DWG	DATE: JANUARY, 2000

094091