# ASSESSMENT REPORT
# ON
# GEOLOGICAL AND GEOCHEMICAL WORK
# ON THE FOLLOWING CLAIMS

BONSAI 1.....#307391
BONSAI 2.....#307392
BONSAI 3.....#307393

located

80 KM NORTH-NORTHWEST OF
STEWART, BRITISH COLUMBIA
SKEENA MINING DIVISION

56 degrees 37 minutes latitude
130 degrees 34 minutes longitude

N.T.S. 104B/10E



PROJECT PERIOD:

August 25 - October 17, 1992

ON BEHALF OF
TEUTON RESOURCES CORP.
VANCOUVER, B.C.

REPORT BY

D. Cremonese, P. Eng.
509-675 W. Hastings
Vancouver, B.C.



Date: April 15, 1992

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## 1. INTRODUCTION

### A. Property, Location, Access and Physiography

The Bonsai property is located approximately 80 air-kilometers north-northwest of Stewart, British Columbia at the head of Harrymel Creek, a southerly-flowing tributary of the Unuk River. The rich Au-Ag-Pb-Zn deposit of Homestake Mines and Prime Resources on Eskay Creek is situated about 8 km to the east.

Elevations range from 700m on the bed of Harrymel Creek cutting the southern boundary of the property to 1,140m in the northeastern corner of the property. Slopes vary from moderate to precipitous. Glacial debris from the receding Melville Glacier obscures much of the lower slopes of the property. Rock outcrop is generally confined to steeper sections. Clumps of thick tag alder are clustered along the slopes making traversing difficult.

Climate is typical of the north coast mountains, frequent precipitation throughout the year with heavy snowfalls in winter.

Closest access to the property is by helicopter from the present terminus of the Eskay Creek Mine access road (it runs west along the Iskut River from the Stewart-Cassiar Highway). Completion of this road into the Eskay Creek minesite will shorten the helicopter ride to approximately 8km.

### B. Status of Property

Relevant claim information is summarized below:

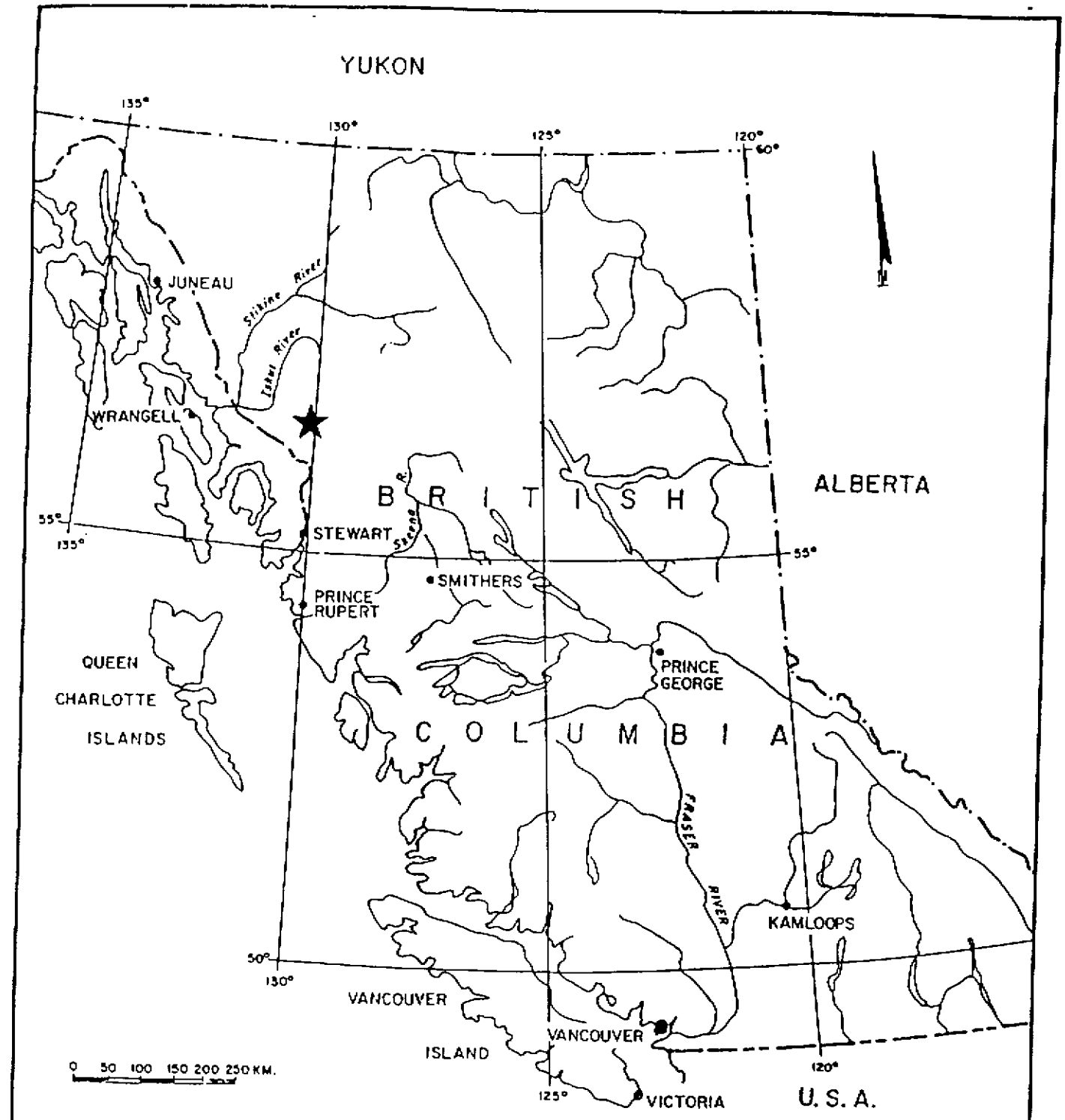
| Name | Tenure No. | No. of Units | Record Date |
|---|---|---|---|
| Bonsai 1 | 307391 | 1 | Jan. 17, 1992 |
| Bonsai 2 | 307392 | 1 | Jan. 17, 1992 |
| Bonsai 3 | 307393 | 1 | Jan. 17, 1992 |

The claims are shown on Fig. 2.

### C. History

Earliest reports of prospecting activity in the Unuk River area date to the late 1800's. Several small finds were made during this time and up till the 1920's but the remoteness of the region and the adverse climate precluded serious mining efforts.

The Unuk River area really came into prominence during 1988-89 owing to the exceptionally rich polymetallic discovery at Eskay Creek. Homestake Mines and Prime Resources, owners of this deposit, have reported diluted reserves of 1.08 million tonnes




★ PROPERTY LOCATION MAP

Figure 1

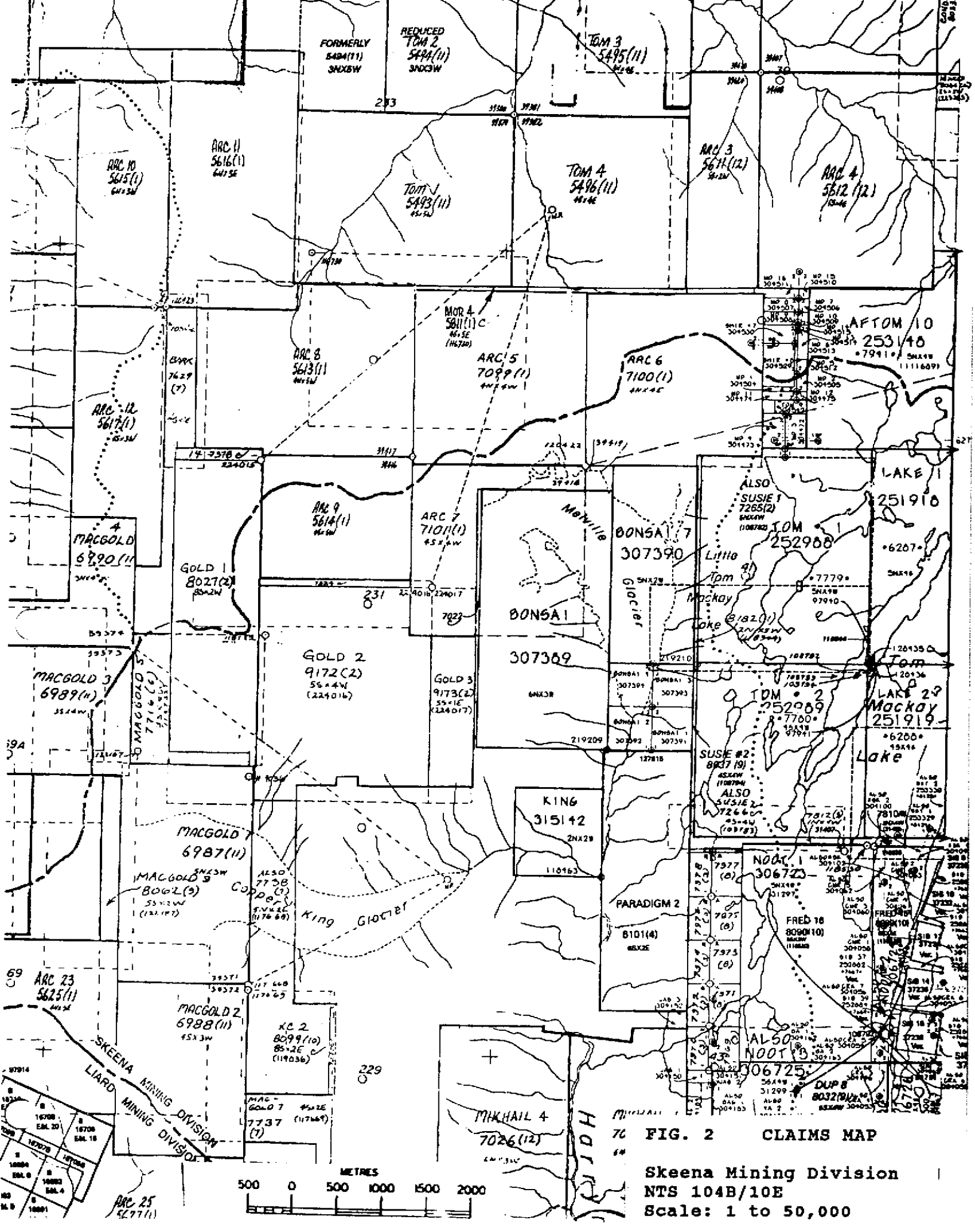



**FIG. 2 CLAIMS MAP**

**Skeena Mining Division**
**NTS 104B/10E**
**Scale: 1 to 50,000**

grading 65.5 grams gold and 2,930 grams silver per tonne, plus 5.7% zinc, 0.77% copper and 2.89% lead (Northern Miner, April 12, 1993).

Teuton Resources Corp. staked the original Bonsai claims in 1988 to cover a north-south trending belt of felsic volcanics on the east side of Harrymel Creek. The property was optioned to Cassandra Resources in 1989: Cassandra carried out a limited program of prospecting, geochemical sampling and EM-VLF surveys the same year. Prominent gossans in felsic volcanics east of the toe of Melville Glacier carried pyrite mineralization anomalous in gold and arsenic. Magnetometer and EM-16 anomalies were noted in the same area. Despite these encouraging results, Cassandra relinquished the option in 1991 citing inability to raise venture capital to carry on work.

A small rock sampling program by Teuton personnel in 1991 over the area of anomalous gold values confirmed and extended the Cassandra program results.

**D. References**

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8. LUCKMAN, N. AND HAINSWORTH, W.G., P.ENG. (1989); Report on the Bonsai 1 and Bonsai 4 Claims of Cassandra Resources Inc., Eskay Creek Area. Private Report for Cassandra Resources Inc.

9. WOODS, D.V. AND HERMARY, R.G. (1988); Geophysical Report on an Airborne Magnetic and VLF-EM Survey on the Paradigm 1 and 2 Claims,

Skeena Mining Division for Dino M. Cremonese, Private Report.

10. VERBAL COMMUNICATION (1993); With Dr. Peter D. Lewis, Mineral Deposit Research Unit, UBC.

**E. Summary of Work Done**

The 1992 work on the Bonsai property was part of larger program covering several Stewart area properties spanning the period from Aug. 25 to Oct. 17. Field crew consisted of Ken Konkin, geologist, and two assistants. Crew, camp, equipment and supplies were flown into the property on Aug. 28 by helicopter from the terminus of the Eskay Creek Mine access road at Volcano Creek on the Iskut River. Crew, samples and equipment were demobilized by helicopter directly to Highway 37 on Sept. 5, 1992.

A tent camp with wooden frames was set up on the western fringe of the plateau near the eastern boundary of the Bonsai claims. As it turned out, a campsite on the glacial moraine near the toe of the Melville Glacier would have been much closer and provided easier access to the main zones of interest on the property (unfortunately, on the day the crew was mobilized into the property this lower portion was fogged in). Much time was expended carrying plugger, dynamite and blasting supplies down the steep slopes from the plateau campsite to the working area. The scope of the planned exploration program on the property was severly curtailed both because of the unexpected steepness of the terrain and inclement weather.

Three trenches totalling 27.8m in length were excavated from rock outcrops on the hillside overlooking Melville Glacier. Width and depth was about 0.5-0.6m on average for each trench. 27 chip interval samples were taken from the 3 trenches, as well as 1 grab sample. Elsewhere on the property, 27 reconnaissance rock samples were taken including chip, grab and float samples. All rock samples were analysed at the Eco-Tech Laboratory facility in Kamloops, B.C.

Geological observations (including rock sample descriptions), trench and sample locations, etc., are largely derived from the field report of Ken Konkin, an exploration geologist with many years field experience in the Stewart region.

## 2. TECHNICAL DATA AND INTERPRETATION

### A. Regional Geology

The property lies within the Intermontane Tectono-Stratigraphic Belt, one of five parallel northwest-southeast trending belts which comprise the Canadian Cordillera (see Fig. 3). The Bonsai property occurs near the contact between the Stikine Terrane, which makes up most of the western part of the Intermontane Belt, and the unmetamorphosed sediments of the Bowser Basin.

The Unuk River area is underlain by a thick succession of Upper Triassic to Lower Jurassic volcano-sedimentary arc complex lithologies capped by Middle Jurassic marine basin lithologies. This package has been intruded by a variety of plutons representing at least four intrusive episodes spanning late Triassic to Tertiary time. These include synvolcanic plugs, small stocks, dyke swarms, isolated dykes and sills, as well as batholiths belonging to the Coast Plutonic Complex.

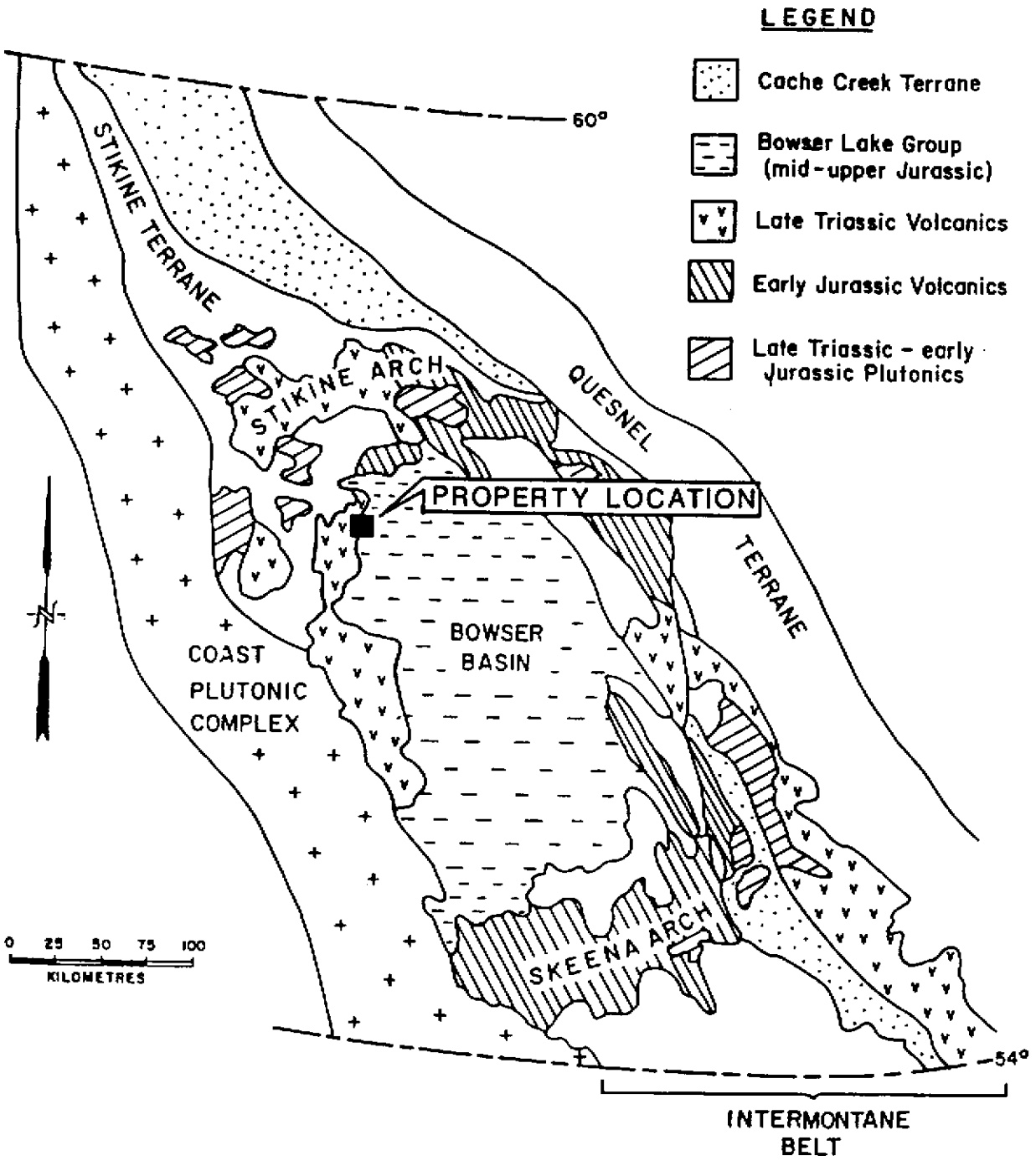
The stratigraphic sequence has been folded, faulted, and weakly metamorphosed during Cretaceous time, but some Triassic strata are polydeformed and may record an earlier deformational event. Remnants of Pleistocene to Recent basaltic flows and tephra are preserved locally. [After Ref. 3].

### B. Property Geology

The latest government mapping (Ref. 2) on the Unuk River area shows that the property is underlain by Lower to Middle Jurassic rocks of the Hazelton Group consisting mainly of calcalkaline andesite and derived volcaniclastic sedimentary rocks. This mapping shows a thin sheared mudstone unit trending north-south on the eastern edge of Melville Glacier.

During the 1992 trenching and sampling program, geological observations were confined to gossanous outcrops located a few hundred meters southeast of the toe of Melville Glacier. A repetitive sequence of two north-south trending units, felsic volcanics and argillitic siltones, is cut by east-west shears. The felsic volcanics consist of pale to dark grey crystal-lithic tuffs, silicified and brecciated, with 2-3% disseminated euhedral pyrite and minor massive layered pyrite bands. The sedimentary unit consists of black, schistose argillitic siltstone/mudstone containing trace to 2% disseminated fine-grained pyrite and rare 1mm thick fine-grained pyrite bands.

On Sept. 3, 1992, Dr. Peter Lewis of MRDU (UBC) visited the work area on the property in the company of geologist James Moors. According to Konkin, Dr. Lewis thought the felsic volcanic package on the property showed good correlation with the units observed at




REGIONAL GEOLOGY
BOWSER BASIN
NW BRITISH COLUMBIA

(Outline of terrane boundaries and major rock groups of the Jurassic and Triassic – modified from Thomson, 1985).

Figure 3

After Ref. 3, 1989

the Eskay Creek deposit. This opinion was confirmed in a subsequent telephone conversation between the author and Dr. Lewis (Ref. 10).

Minor geological observations have been incorporated in Figs. 4 & 5 along with assay results of trench and surface sampling.

**C. Geochemistry--Rocks**

a. Introduction

The object of the 1992 work program was to follow up anomalous gold-arsenic values obtained in 1989-91 from a mushroom-shaped gossan on the eastern slope of Harrymel Creek. Three trenches were put in north-south to test what appeared on surface to be east-west trending zones of intense pyrite and quartz stockwork mineralization. Blasting to fresh surface changed this interpretation: although it was observed that the quartz+calcite stringers did indeed trend east-west, the pyrite mineralization was seen to have a north-south trend, conformable with the strike of the rock units. A total of 1 grab and 27 chip interval samples were taken from the trenches.

Trench sample sites and values for gold, silver, arsenic and mercury are plotted on Fig. 5 (indexed to claim boundaries on Fig. 4).

A total of 27 grab, chip and float samples were also taken from the surrounding area. As with the trench samples, values for gold, silver, arsenic and mercury have been plotted (see Fig. 4). Sample locations were fixed according to a grid put in by the Cassandra field crew (1989).

b. Treatment of Data

The 55 rock samples collected during the 1992 work program comprise too small a set for efficient use of standard statistical methods for determining threshold and anomalous levels. In lieu of such treatment, the author has simply chosen anomalous levels by reference to several rock geochemical programs conducted over other properties in the Stewart region over the past ten years. Anomalous values, on this basis, are indicated below:

| Element | Anomalous Above* |
|---|---|
| Gold | 100 ppb |
| Silver | 3.6 ppm |
| Mercury | 400 ppb |
| Arsenic | 120 ppm |

* Anomalous ranges will vary greatly according to rock type. For this reason, defining anomalous levels for any particular property based on regional averages is somewhat arbitrary.

Although many more elements were analyzed for by I.C.P., they were not selected for pictorial representation either because of their relatively flat, uninteresting distribution or their limited economic relevance.

c. Rock Sample Descriptions

Following are rock sample descriptions from field notes. Each of the sample numbers should be prefaced by "BZ92" in order to key to the assay certificates (Appendix III). Samples containing anomalous levels for either gold, silver, mercury or arsenic have values for all four of these elements included directly below the description (with anomalous elements highlighted in bold type).

001 Subcrop grab. Black friable schistose argillite with minor qtz/cal veinletting; mod-strong Fe-As? ox., jarosite and limonite. No visible sulfides.

002 2.0 m chip. Vuggy schistose black argillite o/c. 350/80E, minor qtz/cal veinletting, no visible sulfides, 1-2% pockets of 3-5mm weathered leached very fine-grained pyrite. Mod Fe ox., very friable.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | 10 | ppb | Silver | - | 1.2 | ppm |
| Mercury | - | **540** | ppb | Arsenic | - | 60 | ppm |

003 2.0 m chip. Silicified and leached argillite, cherty fine-grey, minor brecciation, 2-3% euhedral pyrite; minor Fe ox., felsic with blocky fractures (near felsic volc. contact).

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | 5 | ppb | Silver | - | 0.2 | ppm |
| Mercury | - | **881** | ppb | Arsenic | - | **490** | ppm |

004 3.0 m chip. Felsic volcanic, about 1-2% diss py.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | 5 | ppb | Silver | - | 0.2 | ppm |
| Mercury | - | **474** | ppb | Arsenic | - | **255** | ppm |

005 1.0 m chip. Silicified breccia (siliceous volcanic?). 7-10% diss. interstitial pyrite, strong lim ox., orange-red, 10-15% qtz stringers, veinlets.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | **775** | ppb | Silver | - | **22.4** | ppm |
| Mercury | - | **4,745** | ppb | Arsenic | - | **2,390** | ppm |

006 Trench #1, 0.0-0.2m: gouge zone sericite schists, strong lim. ox., no visible sulfides. 240/52.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | 25 | ppb | Silver | - | 0.2 | ppm |
| Mercury | - | **910** | ppb | Arsenic | - | **340** | ppm |

007 Trench #1, 0.2-1.2m: dark charcoal grey silicified crystal tuff, 10-15% diss. v.f.g.-v.c.g. euhedral pyrite, minor 2-3%, 1-4mm wide cal veinlets along fracture planes (foliation?) 305/76; strong lim. along fracture planes. Pyrite also occurs as semi-massive to massive clusters and bands up to 0.3m wide. Original bedding 387/73E.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | **305** | ppb | Silver | - | 2.0 | ppm |
| Mercury | - | **19,000** | ppb | Arsenic | - | **3,490** | ppm |

008 Trench #1, 1.2-1.9m: same as #007.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | **695** | ppb | Silver | - | 1.8 | ppm |
| Mercury | - | **11,000** | ppb | Arsenic | - | **3,495** | ppm |

009 Trench #1, 1.9-3.2m: same as #007.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | **745** | ppb | Silver | - | 3.0 | ppm |
| Mercury | - | **18,000** | ppb | Arsenic | - | **4,620** | ppm |

010 Trench #1, 3.2-4.2 m: med. grey, siliceous crystal tuff, v.f.g. siliceous matrix with 10-15%, 1-7mm plag phen, 3-5% diss. v.f.g.-v.c.g. pyrite.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | **395** | ppb | Silver | - | **10.2** | ppm |
| Mercury | - | **4,067** | ppb | Arsenic | - | **2,035** | ppm |

011 Trench #2, 0.0-1.0m: med. grey siliceous v.f.g. xtl/lithic tuff with 3-5% plag. phen.; 3-5%, 1-5mm cal veinlets, 2-3% diss f.g.-c.g. pyrite, euhedral.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | **130** | ppb | Silver | - | 1.4 | ppm |
| Mercury | - | 142 | ppb | Arsenic | - | **430** | ppm |

012 Trench #2, 1.0-2.3m: dark charcoal grey v.f.g. siliceous crystal tuff with 3-5%, 1-5mm cal veinlets, 7-10% diss. interstitial f.g.-c.g. euhedral pyrite.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | **225** | ppb | Silver | - | 2.0 | ppm |
| Mercury | - | 329 | ppb | Arsenic | - | **1,295** | ppm |

013 Trench #2, 2.3-3.2m: same as #012

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | **295** | ppb | Silver | - | 1.4 | ppm |
| Mercury | - | **4,661** | ppb | Arsenic | - | **1,735** | ppm |

014 Trench #2, 3.2-4.5m: pale-med. grey siliceous crystal/lithic tuff with 2-3% diss. f.g.-c.g. pyrite.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | 20 | ppb | Silver | - | 0.2 | ppm |
| Mercury | - | **635** | ppb | Arsenic | - | **170** | ppm |

015 Trench #2, 4.5-5.5m: same as #014.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | 25 | ppb | Silver | - | 0.2 | ppm |
| Mercury | - | **1,288** | ppb | Arsenic | - | **165** | ppm |

016 Trench #2, 5.5-6.5: same as #014.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | 30 | ppb | Silver | - | 0.2 | ppm |
| Mercury | - | **1,601** | ppb | Arsenic | - | **180** | ppm |

017 Trench #2, 6.5-7.7: same as #014.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | 75 | ppb | Silver | - | 0.4 | ppm |
| Mercury | - | 168 | ppb | Arsenic | - | **560** | ppm |

018 Trench #2, 7.7-8.7m: dark grey, charcoal crystal/lithic tuff, v.f.g. siliceous matrix with minor 2-3% subrounded vol/sed clasts, 15-20% semi-massive/dissem./interstitial pyrite.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | **335** | ppb | Silver | - | 2.0 | ppm |
| Mercury | - | **6,440** | ppb | Arsenic | - | **2,510** | ppm |

019 Trench #2, 8.7-9.9m: same as #018.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | **395** | ppb | Silver | - | **6.8** | ppm |
| Mercury | - | **8,983** | ppb | Arsenic | - | **2,490** | ppm |

020 Trench #2, 9.9-10.8m: same as #018.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | **480** | ppb | Silver | - | **8.8** | ppm |
| Mercury | - | **6,560** | ppb | Arsenic | - | **3,215** | ppm |

021 1.0m chip. Semi-massive weathered and leached pyrite with qtz+cal stockwork. 25-30% interstitial pyrite, 25-30% qtz+cal veinlets in siliceous tuff.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | **775** | ppb | Silver | - | **79.5** | ppm |
| Mercury | - | **10,000+** | ppb | Arsenic | - | **2,245** | ppm |

022 1.8m chip. Same general descrip. as #021. Both samples exhibit brecciation and vuggy weathering, giving the appearance of an hydrothermal system. The siliceous crystal lithic tuff host has been well leached to a pale white-grey colour.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | **445** | ppb | Silver | - | **21.8** | ppm |
| Mercury | - | **1,771** | ppb | Arsenic | - | **535** | ppm |

023 Trench #3, 0.0-1.0m: pale grey siliceous lithic tuff breccia,

2-3% f.g. diss pyrite.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | 10 | ppb | Silver | - | 0.6 | ppm |
| Mercury | - | 176 | ppb | Arsenic | - | **125** | ppm |

024 Trench #3, 1.0-1.9m: as #023 with minor limonite.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | 25 | ppb | Silver | - | 0.2 | ppm |
| Mercury | - | 205 | ppb | Arsenic | - | **170** | ppm |

025 Trench #3, 1.9-2.6m: dark grey, siliceous v.f.g. crystal tuff with up to 10-15% clusters of pyrite.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | **150** | ppb | Silver | - | 2.2 | ppm |
| Mercury | - | **1,005** | ppb | Arsenic | - | **760** | ppm |

026 Trench #3, 2.6-3.5m: same as #025.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | **240** | ppb | Silver | - | 1.8 | ppm |
| Mercury | - | **3,220** | ppb | Arsenic | - | **1,485** | ppm |

027 Trench #3, 3.5-4.8m: pale grey lithic breccia with charcoal grey fragments; 3-5% diss. pyrite, 3-5% qtz+cal stringers.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | 60 | ppb | Silver | - | 0.4 | ppm |
| Mercury | - | **1,153** | ppb | Arsenic | - | **480** | ppm |

028 Trench #3, 4.8-6.1m: same as #027

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | 75 | ppb | Silver | - | 1.2 | ppm |
| Mercury | - | **1,771** | ppb | Arsenic | - | **1,135** | ppm |

029 Trench #3, 6.1m-7.1m: pale grey siliceous felsic lithic breccia; 2-3% diss pyrite and in clusters.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | **340** | ppb | Silver | - | 0.8 | ppm |
| Mercury | - | **3,779** | ppb | Arsenic | - | **3,385** | ppm |

030 Trench #3, 7.1-8.2m: dark grey, weathered and leached felsic tuff with 7-105 diss. + cluster pyrite.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | **405** | ppb | Silver | - | 1.6 | ppm |
| Mercury | - | **6,440** | ppb | Arsenic | - | **3,130** | ppm |

031 Trench #3, 8.2-9.1m: same as #030.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | 80 | ppb | Silver | - | 2.2 | ppm |
| Mercury | - | **1,907** | ppb | Arsenic | - | **830** | ppm |

032 Trench #3, 9.1-10.3m: pale, medium grey siliceous dacite - rhyodacite crystal tuff with 2-3% diss. pyrite, 3-5%, 1-5mm qtz and cal veinlets.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | 55 | ppb | Silver | - | 0.8 | ppm |
| Mercury | - | **5,110** | ppb | Arsenic | - | **865** | ppm |

033 Trench #3, 10.3-11.6m: same as #032.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | 55 | ppb | Silver | - | 0.8 | ppm |
| Mercury | - | **1,203** | ppb | Arsenic | - | **410** | ppm |

034 Trench #3, 11.6-12.8m: same as #032.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | 70 | ppb | Silver | - | 1.4 | ppm |
| Mercury | - | **1,076** | ppb | Arsenic | - | **360** | ppm |

035 1.2m chip. Silicified pale grey lithic felsic tuff, 3-5% fine-grained pyrite, breccia.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | **285** | ppb | Silver | - | **10.6** | ppm |
| Mercury | - | **1,347** | ppb | Arsenic | - | **395** | ppm |

036 1.0m chip. Same as #035, with 5-7% f.g. pyrite, dissem. and in blebs.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | **465** | ppb | Silver | - | **28.8** | ppm |
| Mercury | - | **3,050** | ppb | Arsenic | - | **985** | ppm |

037 Grab. Same as #036.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | **360** | ppb | Silver | - | **17.4** | ppm |
| Mercury | - | **3,559** | ppb | Arsenic | - | **575** | ppm |

038 1.8m chip. Shear zone, orange-black limonite and oxides. Trending N-S, vertical.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | **190** | ppb | Silver | - | 7.8 | ppm |
| Mercury | - | **1,686** | ppb | Arsenic | - | **2,570** | ppm |

039 1.0m chip. Shear zone, vuggy, minor watery qtz stringers in limonite ox. host; 3-5% diss. pyrite (similar to sinter zone at Treaty Creek?).

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | **245** | ppb | Silver | - | **9.2** | ppm |
| Mercury | - | **1,762** | ppb | Arsenic | - | **1,680** | ppm |

040 Float. Angular sharp boulder at base of cliff. Siliceous felsic lithic tuff, pale grey with qtz+cal veinlets, 7-10% v.f.g. diss. pyrite.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | **680** | ppb | Silver | - | **34.8** | ppm |
| Mercury | - | **4,999** | ppb | Arsenic | - | **890** | ppm |

041 Float. Same as #040.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | **1,410** | ppb | Silver | - | **62.4** | ppm |
| Mercury | - | **7,310** | ppb | Arsenic | - | **1,290** | ppm |

042 Float. Same as #040 (with 25-30% v.f.g. diss. pyrite).

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | **1,800** | ppb | Silver | - | **55.6** | ppm |
| Mercury | - | **27,000** | ppb | Arsenic | - | **2,125** | ppm |

043 1.2m chip. Pale grey siliceous lithic tuff, breccia; 7-10% f.g. dissem. and blebby pyrite.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | **685** | ppb | Silver | - | **44.0** | ppm |
| Mercury | - | **10,000** | ppb | Arsenic | - | **720** | ppm |

044 2.0 m chip. Pale grey siliceous felsic lithic tuff breccia; 7-10% f.g. + diss. blebs of pyrite.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | **245** | ppb | Silver | - | **3.8** | ppm |
| Mercury | - | **2,711** | ppb | Arsenic | - | **1,435** | ppm |

045 Select grab from Trench #1. Banded, very coarse grained pyrite.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | **535** | ppb | Silver | - | 0.8 | ppm |
| Mercury | - | **4,745** | ppb | Arsenic | - | **2,390** | ppm |

046 1.5m chip. Felsic fragmental tuff with 15-20% v.f.g. matrix support pyrite; pale grey unit.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | **2,540** | ppb | Silver | - | 0.2- | ppm |
| Mercury | - | **8,900** | ppb | Arsenic | - | **1,180** | ppm |

047 Grab. Brecciated felsic volcanic with 5-7% diss. pyrite and blebby pyrite.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | 55 | ppb | Silver | - | 0.2- | ppm |
| Mercury | - | **550** | ppb | Arsenic | - | 115 | ppm |

048 0.8m chip. Across black schistose argillite contact with felsic volcanic, trace-1% diss. pyrite.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | 5- | ppb | Silver | - | 0.2- | ppm |
| Mercury | - | **576** | ppb | Arsenic | - | 85 | ppm |

049 Grab. Flow-banded felsic tuff (siliceous sediment?), pale-grey to med. grey; N-S/80E.

050 Grab. Silicified black argillite, conformable to flow-banded felsic tuff.

051 Grab over 3.0m. Black friable schistose argillite, no sulfides, minor lim. and hem. oxid.; N-S/vertical.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | 5 | ppb | Silver | - | 0.2 | ppm |
| Mercury | - | **516** | ppb | Arsenic | - | 20 | ppm |

052 1.0m chip. Laminated argillite, black with graphite, 3-5% 1-2mm bands of v.f.g. diss. pyrite.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | 5- | ppb | Silver | - | 0.2 | ppm |
| Mercury | - | **618** | ppb | Arsenic | - | 30 | ppm |

053 Grab. Black graphitic argillite with 3-5% v.f.g. diss. pyrite in 1mm bands.

054 1.0m chip. Black schistose friable argillite, trace to 1% v.f.g. diss. pyrite.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | 5 | ppb | Silver | - | 0.4 | ppm |
| Mercury | - | **720** | ppb | Arsenic | - | 30 | ppm |

055 Float. Sub-angular boulder in creek. Qtz-cal veinlets with weak malachite stain.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gold | - | 5- | ppb | Silver | - | 0.2- | ppm |
| Mercury | - | 38 | ppb | Arsenic | - | **225** | ppm |

d. Discussion of Results

The most surprising result from the 1992 geochemical sampling program was the high mercury values recorded in most of the 55 samples taken. Distribution of mercury values throughout the 55 samples is as follows:

| Range | Number of Samples |
|---|---|
| 0 - 399 | 10 |
| 400 - 999 | 11 |
| 1000 - 2999 | 12 |
| Greater than 3000 | 22 |

Seven of the samples have values in excess of 10,000 ppb mercury with the highest, #BZ92042, returning 27,000 ppb. All of these latter can be considered extremely anomalous. In general, the elevated mercury values also accompany elevated gold and arsenic values.

Best gold value was obtained from the westernmost of the samples taken in the 1992 program. BZ92046 returned a value of 2540 ppb over 1.5m; it was accompanied by elevated arsenic and mercury values but surprisingly, silver content was less than 0.2 ppm. This area warrants further investigation.

The most consistently gold anomalous area occurs in the eastern

felsic volcanic band between 8+00N and 9+50N. Gold values here range from 245 to 1,800 ppb. In this area significantly anomalous silver values also accompany the gold highs. Best silver value is from sample BZ92021 which returned 79.5 ppm.

Like the mercury, arsenic values are broadly elevated throughout the survey area and show good correlation with gold values. Highest value of 4,620 ppm came from a 1.3 chip interval sample in Trench #1 (BZ92009). It is also probably worth mentioning that a few of the samples taken also show elevated antimony values (up to 300 ppm -- BZ92041): because the antimony has a much flatter distribution than the arsenic it was not included in the Fig. 4 & 5 plots.

The conjunction of elevated Au-Hg-As values suggests an epithermal environment. If it can be established that the rock suite underlying the Bonsai property correlates well with the Eskay Creek deposit stratigraphy as has been suggested (Ref. 10), then further work on the property should proceed according to the Eskay Creek model. In this scenario, the anomalous gold-mercury-arsenic values obtained during the 1992 Bonsai property sampling of the felsic volcanics would be considered indicators of potentially much richer mineralization occurring nearby, most likely in the mudstones.

**D. Field Procedure and Labratory Analysis**

Anaysis of rock specimens collected during the 1992 program was carried out at the Eco-Tech Laboratories facility in Kamloops, B.C. After standard rock sample preparation, the 30 element Inductively Coupled Argon Plasma analysis was initiated by digesting a 0.5 gm sub-sample from each field specimen with 3ml 3-1-2 HCl-HNO3-H20 at 95 deg. C for one hour, followed by dilution to 10 ml with water. The Atomic Absorption measurement for ppb tolerance gold was preceded by subjecting 10 gram samples to standard fire-assay preconcentration techniques to produce silver beads which were subsequently dissolved. Mercury values were obtained using standard wet assay techniques.

**E. Conclusions**

Trench and reconaissance rock sampling of gossanous outcrops on the Bonsai claims has confirmed the presence of anomalous gold and arsenic values as indicated by two small, earlier programs.

Assays performed on the 1992 samples has also shown that most of these contain moderately to extremely anomalous levels of mercury. The presence of mercury is important because the nearby Eskay Creek Au-Ag-Pb-Zn-Cu deposit is also known to carry highly anomalous levels of this element.

Furthermore, because the felsic volcanic-argillite/mudstone sequence underlying the Bonsai property has been tentatively correlated with the Eskay Creek deposit stratigraphy, there is reason to suppose that an Eskay Creek type deposit may lie undiscovered under the glacial moraine and tag alder obscuring much of the Bonsai property. Further work is definitely warranted to explore this possibility.

A control grid should be cut to cover the entire eastern half of the property using a N-S baseline and E-W crosslines. Rock exposures should be carefully mapped with careful attention paid to delineating contact zones between the various units. Prospecting and rock sampling, especially of the mudstone units, is recommended. This should be followed by an IP survey which would, optimistically, lead to drill targets.

Respectfully submitted,

D. Cremonese, P.Eng.
April 15, 1992

## APPENDIX I -- WORK COST STATEMENT

| | |
|---|---|
| Field Personnel | |
| Project Geologist (K. Konkin): Aug. 28--Sept. 5, 1992 | |
| 9 days @ $200/day | 1800 |
| Assistant (B. Morgan): Aug. 28--Sept. 5, 1992 | |
| 9 days @ $150/day | 1350 |
| Assistant (C. Konkin): Aug. 28--Sept. 5, 1992 | |
| 9 days @ $70/day | 630 |
| Helicopter - Transport personnel, camp, lumber, plugger, genset, supplies, explosives, samples, etc. | |
| --Northern Mtn.: 2.0 hrs @ $838/hr | 1676 |
| --VIH: 2.2 hrs @ $758.60/hr. | 1669 |
| Food - 27 man-days @ $30/man-day | 810 |
| Camp frame wood, explosives, expediting charges, sample transport, fuel, general supplies, etc. | 1470 |
| Equipment rental: plugger/steels, tents, radios, genset | |
| 9 days @ $80/day | 720 |
| Crew mob/demob -Van-Stwt-Van (prorated with other projects) | 558 |
| Truck rentals: 2 trucks X 9 days @ $20/day | 360 |
| Analyses -- Eco-Tech Labs. (Kamloops) | |
| 55 Au Geochem/ICP/Sample Prep. @ $16.00 | 880 |
| 55 Hg Geochem @ $ 4.50 | 248 |
| Report Costs: | |
| Preparation & compilation data, maps, report - | |
| D. Cremonese, P. Eng. - 3 days @ $400/day | 1200 |
| Draughting | 300 |
| Word processor, 4 hrs @ $25/hr | 100 |
| Copies, report, maps, topo blow-ups, etc. | 45 |
| **TOTAL.....$13816** | |

Stat. of Expl.--$10,200: please credit extra to Teuton PAC account)

## APPENDIX II - CERTIFICATE

I, Dino M. Cremonese, do hereby certify that:

1. I am a mineral property consultant with an office at Suite 509 - 675 W. Hastings, Vancouver, B.C.

2. I am a graduate of the University of British Columbia (B.A.Sc. in Metallurgical Engineering, 1972, and L.L.B., 1979).

3. I am a Professional Engineer registered with the Association of Professional Engineers of the Province of British Columbia as a resident member, #13876.

4. I have practiced my profession since 1979.

5. This report is based upon work carried out on the Bonsai mineral claims, Skeena Mining Division in August-September, 1992. Extensive use of fieldnotes and maps prepared by geologist, Ken Konkin, is acknowledged.

6. I am a principal of Teuton Resources Corp., owner of the Bonsai claims: this report was prepared solely for satisfying assessment work requirements in accordance with government regulations.

Dated at Vancouver, B.C. this 15th day of April, 1993.

D. Cremonese, P.Eng.

# Appendix III

## ASSAY CERTIFICATES

BONSAI


# ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy Kamloops B.C. V2C 2J3 (604) 573-5700 Fax 573-4557


SEPTEMBER 28, 1992

## CERTIFICATE OF ASSAY ETK 92-473

TEUTON RESOURCES LTD.
602, 675 W. HASTINGS STREET
VANCOUVER, B.C.
V6B 1N2

SAMPLE IDENTIFICATION: 55 ROCK samples received SEPTEMBER 11, 1992

| ET# | Description | Au (g/t) | Au (oz/t) | Ag (g/t) | Ag (oz/t) | Hg (ppb) |
|---|---|---|---|---|---|---|
| 21- | BZ 92021 | - | - | 79.5 | 2.32 | >10000 |
| 36- | BZ 92036 | - | - | 32.0 | .93 | - |
| 40- | BZ 92040 | - | - | 34.8 | 1.02 | - |
| 41- | BZ 92041 | 1.41 | .041 | 62.4 | 1.82 | 7310 |
| 42- | BZ 92042 | 1.80 | .052 | 55.6 | 1.62 | >10000 |
| 43- | BZ 92043 | - | - | 44.0 | 1.28 | - |
| 46- | BZ 92046 | 2.54 | .074 | - | - | 8900 |

NOTE: < = less than

ECO-TECH LABORATORIES LTD.
FRANK J. PEZZOTTI, A.Sc.T.
B.C. Certified Assayer

SC92/TEUTON

# ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy Kamloops B.C. V2C 2J3 (604) 573-5700 Fax 573-4557


OCTOBER 22, 1992

## CERTIFICATE OF ASSAY ETK 92-473H

TEUTON RESOURCES LTD.
602, 675 W. HASTINGS STREET
VANCOUVER, B.C.
V6B 1N2

ATTENTION: DINO CREMONESE

SAMPLE IDENTIFICATION: 55 ROCK samples received SEPTEMBER 11, 1992
---------- as per faxed request by Dino Cremonese

| ET# | Description | Hg (ppm) |
|---|---|---|
| 7- BZ | 92007 | 19 |
| 8- BZ | 92008 | 11 |
| 9- BZ | 92208 | 18 |
| 42- BZ | 92042 | 27 |
| 43- BZ | 92043 | 10 |
| 45- BZ | 92045 | 20 |

SC92/TEUTON

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B.C. Certified Assayer

# ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

1004 E. East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557


3

OCTOBER 22, 1992

CERTIFICATE OF ANALYSIS ETK 92-473H

TEUTON RESOURCES LTD.
602, 675 W. HASTINGS STREET
VANCOUVER, B.C.
V6B 1N2

ATTENTION: DINO CREMONESE

SAMPLE IDENTIFICATION: 55 ROCK samples received SEPTEMBER 11, 1992
---------- as per faxed request by Dino Cremonese

| ET# | Description | Hg (ppb) |
|---|---|---|
| 1- | BZ 92001 | 268 |
| 2- | BZ 92002 | 540 |
| 3- | BZ 92003 | 881 |
| 4- | BZ 92004 | 474 |
| 5- | BZ 92005 | 4745 |
| 6- | BZ 92006 | 910 |
| 7- | BZ 92007 | >10000 |
| 8- | BZ 92008 | >10000 |
| 9- | BZ 92009 | >10000 |
| 10- | BZ 92010 | 4067 |
| 11- | BZ 92011 | 142 |
| 12- | BZ 92012 | 329 |
| 13- | BZ 92013 | 4661 |
| 14- | BZ 92014 | 635 |
| 15- | BZ 92015 | 1288 |
| 16- | BZ 92016 | 1601 |
| 17- | BZ 92017 | 168 |
| 18- | BZ 92018 | 6440 |
| 19- | BZ 92019 | 8983 |
| 20- | BZ 92020 | 6560 |
| 22- | BZ 92022 | 1771 |
| 23- | BZ 92023 | 176 |
| 24- | BZ 92024 | 205 |
| 25- | BZ 92025 | 1005 |
| 26- | BZ 92026 | 3220 |
| 27- | BZ 92027 | 1153 |
| 28- | BZ 92028 | 1771 |
| 29- | BZ 92029 | 3779 |
| 30- | BZ 92030 | 6440 |

# ECO-TECH LABORATORIES LTD.

ASSAYING · ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy Kamloops, B C V2C 2J3 (604) 573-5700 Fax 573-4557


TEUTON RESOURCES LTD. ETK 92-473H OCTOBER 22, 1992

| ET# | Description | Hg (ppb) |
|---|---|---|
| 31- BZ | 92031 | 1907 |
| 32- BZ | 92032 | 5110 |
| 33- BZ | 92033 | 1203 |
| 34- BZ | 92034 | 1076 |
| 35- BZ | 92035 | 1347 |
| 36- BZ | 92036 | 3050 |
| 37- BZ | 92037 | 3559 |
| 38- BZ | 92038 | 1686 |
| 39- BZ | 92039 | 1762 |
| 40- BZ | 92040 | 4999 |
| 43- BZ | 92043 | >10000 |
| 44- BZ | 92044 | 2711 |
| 45- BZ | 92045 | >10000 |
| 47- BZ | 92047 | 550 |
| 48- BZ | 92048 | 576 |
| 49- BZ | 92049 | 212 |
| 50- BZ | 92050 | 140 |
| 51- BZ | 92051 | 516 |
| 52- BZ | 92052 | 618 |
| 53- BZ | 92053 | 25 |
| 54- BZ | 92054 | 720 |
| 55- BZ | 92055 | 38 |

SC92/TEUTON

ECO-TECH LABORATORIES LTD.
FRANK J. PEZZOTTI, A.Sc.T.
B.C. Certified Assayer

ECO-TECH LABORATORIES LTD.
10041 EAST TRANS CANADA HWY.
KAMLOOPS, B.C. V2C 2J3
PHONE - 604-573-5700
SEPTEMBER 15, 1992 FAX - 604-573-4557

VALUES IN PPM UNLESS OTHERWISE REPORTED

TEXTON RESOURCES CORP. - ETS 92-073
602 - 675 WEST HASTINGS STREET
VANCOUVER, B.C.
V6B 1N2

ATTENTION: DINO CHEMONESS

PROJECT: NONE GIVEN
55 ROCK SAMPLES RECEIVED SEPTEMBER 11, 1992

| ETS | DESCRIPTION | AU(ppb) | AG | AL(%) | AS | B | BA | BI | CA(%) | CD | CO | CR | CU | FE(%) | K(%) | LA | MG(%) | MN | MO | NA(%) | NI | P | PB | SB | SN | SR | TI(%) | U | V | W | Y | ZN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 - | BX 92001 | 45 | 1.2 | .54 | 110 | 2 | 245 | <5 | .11 | <1 | 9 | 28 | 100 | 3.84 | .21 | 10 | .02 | 101 | 1 | <.01 | 9 | 1350 | 50 | 10 | <20 | 13 | <.01 | <10 | 23 | <10 | 7 | 100 |
| 2 - | BX 92002 | 10 | 2.2 | .66 | 60 | 2 | 100 | <5 | .05 | <1 | 4 | 85 | 39 | 6.31 | .17 | <10 | .07 | 47 | 15 | .01 | 7 | 1000 | 8 | 5 | <20 | 5 | <.01 | <10 | 53 | <10 | 2 | 334 |
| 3 - | BX 92003 | <5 | <.2 | .22 | 490 | 2 | 60 | <5 | .01 | <1 | 2 | 93 | 6 | 3.39 | .07 | 20 | <.01 | 14 | 40 | .02 | <1 | 50 | 20 | 5 | <20 | 4 | <.01 | <10 | <1 | 10 | 1 | 82 |
| 4 - | BX 92004 | <5 | <.2 | .15 | 255 | <2 | 85 | <5 | .01 | <1 | 1 | 132 | 10 | 1.76 | .01 | 20 | <.01 | 39 | 11 | .01 | 3 | 70 | 35 | <5 | <20 | 9 | <.01 | <10 | <1 | <10 | 1 | 36 |
| 5 - | BX 92005 | 775 | 22.4 | .20 | 2390 | 2 | 25 | <5 | .01 | <1 | 5 | 72 | 83 | 7.19 | <.01 | <10 | <.01 | 12 | 6 | <.01 | 2 | <10 | 26 | 95 | <20 | 3 | <.01 | 10 | <1 | <10 | <1 | 23 |
| 6 - | BX 92006 | 25 | .2 | .60 | 340 | 2 | 220 | <5 | <.01 | <1 | 2 | 10 | 4 | 3.20 | .15 | 30 | .02 | 17 | 52 | <.01 | <1 | 190 | 10 | 20 | <20 | 7 | <.01 | <10 | <1 | <10 | 3 | 17 |
| 7 - | BX 92007 | 305 | 2.0 | .23 | 3490 | 2 | 40 | 10 | .66 | <1 | 7 | 61 | 11 | 11.06 | <.01 | <10 | .01 | 112 | 10 | <.01 | 2 | 260 | 20 | 50 | <20 | 56 | <.01 | 10 | <1 | <10 | <1 | 62 |
| 8 - | BX 92008 | 695 | 1.8 | .10 | 3495 | 2 | 45 | 5 | .09 | <1 | 8 | 99 | 11 | 14.07 | <.01 | <10 | <.01 | 78 | 19 | <.01 | 5 | <10 | 24 | 60 | <20 | 9 | <.01 | 20 | <1 | <10 | <1 | 144 |
| 9 - | BX 92009 | 745 | 3.0 | .19 | 4620 | 2 | 45 | 10 | .05 | <1 | 8 | 66 | 7 | >15 | <.01 | <10 | <.01 | 25 | 12 | <.01 | 1 | <10 | 10 | 65 | <20 | 7 | <.01 | 20 | <1 | <10 | <1 | 178 |
| 10 - | BX 92010 | 395 | 10.2 | .23 | 2035 | <2 | 30 | <5 | .71 | <1 | 4 | 186 | 12 | 3.00 | <.01 | <10 | .03 | 114 | 10 | <.01 | 5 | <10 | 26 | 35 | <20 | 70 | <.01 | <10 | <1 | <10 | <1 | 29 |
| 11 - | BX 92011 | 130 | 1.0 | .29 | 930 | 2 | 30 | <5 | .05 | <1 | 2 | 61 | 12 | 2.53 | .04 | <10 | .01 | 20 | 57 | <.01 | <1 | 130 | 10 | 35 | <20 | 15 | <.01 | <10 | <1 | <10 | 1 | 85 |
| 12 - | BX 92012 | 225 | 2.0 | .33 | 1295 | 2 | 25 | 5 | .28 | <1 | 8 | 68 | 16 | 7.55 | <.01 | <10 | <.01 | 48 | 40 | <.01 | 7 | 570 | 20 | 35 | <20 | 20 | <.01 | 10 | <1 | <10 | 3 | 82 |
| 13 - | BX 92013 | 295 | 1.4 | .26 | 1715 | 2 | 35 | 5 | .45 | <1 | 8 | 42 | 15 | 9.83 | <.01 | <10 | <.01 | 51 | 15 | <.01 | 3 | 260 | 20 | 45 | <20 | 47 | <.01 | 20 | <1 | <10 | <1 | 113 |
| 14 - | BX 92014 | 20 | <.2 | .44 | 170 | 2 | 30 | <5 | .04 | <1 | 2 | 76 | 6 | 2.39 | .22 | 20 | .02 | 25 | 15 | <.01 | 2 | 200 | 14 | <5 | <20 | 6 | <.01 | <10 | <1 | <10 | 3 | 53 |
| 15 - | BX 92015 | 25 | <.2 | .42 | 165 | 2 | 35 | <5 | .11 | <1 | 2 | 48 | 4 | 1.66 | .20 | 30 | .02 | 22 | 55 | <.01 | <1 | 330 | 10 | 10 | <20 | 9 | <.01 | <10 | <1 | <10 | 6 | 7 |
| 16 - | BX 92016 | 30 | .2 | .43 | 310 | 4 | 40 | <5 | .14 | <1 | 2 | 89 | 6 | 1.92 | .22 | 20 | .03 | 40 | 99 | <.01 | 2 | 330 | 14 | 5 | <20 | 12 | <.01 | <10 | <1 | <10 | 6 | 14 |
| 17 - | BX 92017 | 75 | .4 | .35 | 560 | 2 | 45 | <5 | .06 | <1 | 2 | 53 | 4 | 2.36 | .12 | 20 | .02 | 16 | 111 | <.01 | <1 | 270 | 10 | 20 | <20 | 1 | <.01 | <10 | <1 | <10 | 4 | 7 |
| 18 - | BX 92018 | 335 | 2.0 | .26 | 2510 | 2 | 40 | 10 | .05 | <1 | 8 | 78 | 12 | 12.64 | <.01 | <10 | <.01 | 21 | 10 | <.01 | 5 | 100 | 22 | 35 | <20 | 7 | <.01 | 10 | <1 | <10 | <1 | 55 |
| 19 - | BX 92019 | 395 | 6.8 | .22 | 2490 | 2 | 40 | 5 | .02 | <1 | 8 | 59 | 13 | 13.59 | <.01 | <10 | <.01 | 26 | 8 | <.01 | 3 | <10 | 14 | 55 | <20 | 3 | <.01 | 20 | <1 | <10 | <1 | 82 |
| 20 - | BX 92020 | 480 | 8.0 | .20 | 3235 | 2 | 40 | 5 | .04 | <1 | 7 | 73 | 5 | 12.01 | <.01 | <10 | <.01 | 6 | 8 | <.01 | 3 | <10 | 12 | 35 | <20 | 5 | <.01 | 30 | <1 | <10 | <1 | 60 |

TEUTON RESOURCES RTK 92-073

SEPTEMBER 15, 1992

ECO-TECH LABORATORIES LTD.

| RTJ | DESCRIPTION | AU(ppb) | AG | AL(%) | AS | B | BA | BI | CA(%) | CD | CO | CR | CU | FE(%) | K(%) | LA | MG(%) | MN | MO | NA(%) | NI | P | PB | SB | SN | SR | TI(%) | U | V | W | Y | ZN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 - | BX 92021 | 975 | >30 | .10 | 2245 | <2 | 35 | 5 | .02 | <1 | 6 | 88 | 23 | 11.78 | <.01 | <10 | <.01 | 37 | 6 | <.01 | 1 | <10 | 40 | 760 | <20 | 1 | <.01 | 10 | <1 | <10 | <1 | 60 |
| 22 - | BX 92022 | 445 | 21.0 | .14 | 535 | <2 | 25 | <5 | <.01 | <1 | 3 | 220 | 35 | 3.74 | <.01 | <10 | <.01 | 27 | 39 | <.01 | 7 | <10 | 22 | 30 | <20 | 2 | <.01 | <10 | <1 | <10 | <1 | 10 |
| 23 - | BX 92023 | 10 | .6 | .30 | 325 | 2 | 35 | <5 | .07 | <1 | 2 | 31 | 6 | 2.12 | .22 | 20 | .02 | 30 | 5 | <.01 | <1 | 200 | 30 | <5 | <20 | 9 | <.01 | <10 | <1 | <10 | <1 | 9 |
| 24 - | BX 92024 | 25 | .2 | .40 | 170 | 2 | 35 | <5 | .08 | <1 | 2 | 322 | 5 | 2.31 | .22 | 10 | .02 | 47 | 14 | <.01 | 4 | 240 | 12 | <5 | <20 | 12 | <.01 | <10 | <1 | <10 | 3 | 45 |
| 25 - | BX 92025 | 150 | 2.2 | .20 | 760 | 2 | 20 | <5 | .01 | <1 | 4 | 70 | 32 | 4.51 | <.01 | <10 | <.01 | 24 | 31 | <.01 | 2 | 60 | 14 | 15 | <20 | 4 | <.01 | <20 | <1 | <10 | <1 | 24 |
| 26 - | BX 92026 | 240 | 1.0 | .34 | 1485 | 2 | 25 | 5 | <.01 | <1 | 5 | 76 | 13 | 6.09 | <.01 | <10 | <.01 | 23 | 14 | <.01 | 3 | 70 | 18 | 30 | <20 | 4 | <.01 | 10 | <1 | <10 | <1 | 29 |
| 27 - | BX 92027 | 60 | .4 | .29 | 480 | <2 | 30 | <5 | .08 | <1 | 2 | 79 | 6 | 3.02 | .06 | <10 | .01 | 23 | 11 | <.01 | 1 | 50 | 12 | 15 | <20 | 12 | <.01 | <20 | <1 | <10 | <1 | 11 |
| 28 - | BX 92028 | 75 | 1.2 | .37 | 1335 | 2 | 25 | 5 | .01 | <1 | 4 | 77 | 8 | 5.53 | <.01 | <20 | <.01 | 31 | 6 | <.01 | 3 | <10 | 12 | 20 | <20 | 4 | <.01 | <10 | <1 | <10 | <1 | 9 |
| 29 - | BX 92029 | 340 | .8 | .33 | 3185 | 2 | 40 | 30 | .03 | <1 | 6 | 51 | 8 | 12.16 | <.01 | <10 | <.01 | 33 | 9 | <.01 | <1 | <10 | 10 | 45 | <20 | 4 | <.01 | 10 | <1 | <10 | <1 | 25 |
| 30 - | BX 92030 | 405 | 1.6 | .36 | 3130 | 2 | 35 | 5 | .01 | <1 | 4 | 52 | 6 | 9.01 | <.01 | <10 | <.01 | 12 | 10 | <.01 | 1 | <10 | 4 | 45 | <20 | 3 | <.01 | 30 | <1 | <10 | <1 | 23 |
| 31 - | BX 92031 | 80 | 2.2 | .29 | 830 | <2 | 25 | <5 | <.01 | <1 | 3 | 65 | 7 | 4.31 | <.01 | <10 | <.01 | 22 | 3 | <.01 | 1 | 30 | 14 | 20 | <20 | 3 | <.01 | <10 | <1 | <10 | <1 | 8 |
| 32 - | BX 92032 | 55 | .8 | .23 | 865 | 2 | 25 | <5 | 1.02 | <1 | 3 | 110 | 9 | 4.46 | <.01 | <10 | .01 | 300 | 7 | <.01 | 4 | 70 | 14 | 15 | <20 | 30 | <.01 | <10 | <1 | <10 | 1 | 11 |
| 33 - | BX 92033 | 55 | .8 | .19 | 430 | <2 | 40 | <5 | .47 | <1 | 1 | 86 | 7 | 2.26 | .02 | <10 | <.01 | 52 | 4 | <.01 | <1 | 30 | 12 | 5 | <20 | 52 | <.01 | <10 | <1 | <10 | <1 | 9 |
| 34 - | BX 92034 | 70 | 1.4 | .16 | 360 | <2 | 45 | <5 | .06 | <1 | 2 | 140 | 9 | 2.10 | .01 | <10 | <.01 | 40 | 3 | .01 | 4 | 20 | 16 | 5 | <20 | 10 | <.01 | <10 | <1 | <10 | <1 | 9 |
| 35 - | BX 92035 | 285 | 10.6 | .11 | 395 | <2 | 85 | <5 | .01 | <1 | 1 | 193 | 33 | 2.42 | .02 | <10 | <.01 | 33 | 8 | <.01 | 1 | 30 | 10 | 30 | <20 | 8 | <.01 | <10 | <1 | <10 | <1 | 35 |
| 36 - | BX 92036 | 465 | 28.8 | .16 | 985 | <2 | 30 | <5 | .01 | <1 | 4 | 399 | 15 | 6.47 | <.01 | <10 | <.01 | 32 | 14 | <.01 | 6 | 70 | 34 | 80 | <20 | 7 | <.01 | <10 | <1 | <10 | <1 | 31 |
| 37 - | BX 92037 | 360 | 17.4 | .22 | 575 | 2 | 30 | <5 | <.01 | <1 | 2 | 174 | 13 | 3.89 | <.01 | <10 | <.01 | 24 | 8 | <.01 | 1 | <10 | 22 | 65 | <20 | 4 | <.01 | <10 | <1 | <10 | <1 | 24 |
| 38 - | BX 92038 | 190 | 3.0 | .19 | 2570 | 2 | 325 | 20 | .02 | <1 | 13 | 4 | 48 | >15 | <.01 | <10 | <.01 | 22 | 6 | <.01 | <1 | 1030 | 50 | 95 | <20 | 41 | .01 | 40 | <1 | <10 | <1 | 160 |
| 39 - | BX 92039 | 245 | 9.2 | .12 | 1680 | 2 | 105 | 30 | .02 | <1 | 9 | 33 | 32 | >15 | <.01 | <10 | <.01 | <1 | 5 | <.01 | <1 | 160 | 26 | 70 | <20 | 31 | .01 | 30 | <1 | <10 | <1 | 35 |
| 40 - | BX 92040 | 600 | >30 | .14 | 890 | <2 | 25 | <5 | .01 | <1 | 3 | 156 | 37 | 6.82 | <.01 | <10 | <.01 | 46 | 18 | <.01 | 5 | <10 | 24 | 95 | <20 | 3 | <.01 | 10 | <1 | <10 | <1 | 25 |
| 41 - | BX 92041 | >1000 | >30 | .13 | 1250 | 2 | 35 | 5 | .01 | <1 | 6 | 62 | 16 | 10.12 | <.01 | <20 | <.01 | 37 | 5 | <.01 | 1 | <10 | 40 | 300 | <20 | 2 | <.01 | 30 | <1 | <10 | <1 | 22 |
| 42 - | BX 92042 | >1000 | >30 | .16 | 2125 | 2 | 40 | 5 | .01 | <1 | 7 | 203 | 21 | 12.27 | <.01 | <10 | <.01 | 25 | 16 | <.01 | 9 | <10 | 52 | 180 | <20 | 2 | <.01 | 30 | <1 | <10 | <1 | 27 |
| 43 - | BX 92043 | 685 | >30 | .19 | 720 | <2 | 20 | <5 | .01 | <1 | 2 | 125 | 9 | 4.05 | <.01 | <10 | <.01 | 20 | 6 | <.01 | 1 | 20 | 32 | 345 | <20 | 3 | <.01 | <10 | <1 | <10 | <1 | 21 |
| 44 - | BX 92044 | 245 | 3.0 | .21 | 1435 | <2 | 25 | <5 | .01 | <1 | 2 | 82 | 6 | 5.09 | <.01 | <20 | <.01 | 15 | 18 | <.01 | 2 | <10 | 32 | 25 | <20 | 6 | <.01 | <10 | <1 | <10 | <1 | 8 |
| 45 - | BX 92045 | 535 | .8 | .11 | 3650 | 2 | 55 | 10 | .10 | <1 | 9 | 48 | 4 | >15 | <.01 | <10 | <.01 | 13 | 5 | <.01 | 1 | <10 | 12 | 35 | <20 | 9 | <.01 | 20 | <1 | <10 | <1 | 450 |
| 46 - | BX 92046 | >1000 | <.2 | .22 | 1110 | 2 | 50 | 30 | .02 | <1 | 6 | 30 | 8 | 14.10 | <.01 | <10 | <.01 | 51 | 6 | <.01 | 3 | 30 | 30 | 50 | <20 | 30 | <.01 | 20 | <1 | <10 | <1 | 24 |
| 47 - | BX 92047 | 55 | <.2 | .24 | 315 | 2 | 35 | <5 | .23 | <1 | 1 | 101 | 12 | 2.47 | .08 | 10 | .03 | 68 | 52 | .04 | 2 | 100 | 12 | <5 | <20 | 22 | <.01 | <10 | <1 | <10 | 2 | 74 |
| 48 - | BX 92048 | <5 | <.2 | .45 | 85 | 2 | 85 | <5 | .71 | <1 | 2 | 39 | 30 | 1.35 | .24 | 30 | .04 | 385 | 5 | <.01 | 3 | 290 | 6 | 5 | <20 | 58 | <.01 | <10 | 1 | <10 | 1 | 58 |
| 49 - | BX 92049 | <5 | <.2 | .36 | 5 | 2 | 70 | <5 | 3.20 | <1 | 6 | 21 | 7 | 3.38 | .21 | 20 | .56 | 1401 | 3 | .01 | 3 | 601 | 30 | <5 | <20 | 130 | <.01 | <10 | 1 | <10 | 7 | 65 |
| 50 - | BX 92050 | 5 | <.2 | .87 | 40 | 2 | 60 | <5 | 2.93 | 1 | 31 | 13 | 42 | 3.79 | .21 | <10 | 1.05 | 784 | 5 | <.01 | 20 | 730 | 8 | 15 | <20 | 103 | <.01 | <10 | 30 | <10 | 6 | 161 |

| RTE | DESCRIPTION | AU(ppb) | AG | AL(%) | AS | B | BA | BE | CA(%) | CD | CO | CR | CU | FE(%) | K(%) | LA | MG(%) | MN | MO | NA(%) | NI | P | PB | SB | SN | SR | TI(%) | U | V | W | Y | ZN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 51 - | BE 92051 | 5 | .2 | .94 | 20 | 2 | 120 | <5 | .31 | <1 | 5 | 22 | 25 | 2.94 | .22 | <10 | .22 | 75 | 4 | <.01 | 10 | 1330 | 6 | <5 | <20 | 23 | <.01 | <10 | 30 | <10 | 5 | 67 |
| 52 - | BE 92052 | <5 | .2 | .63 | 30 | 4 | 40 | <5 | 1.25 | 3 | 7 | 26 | 29 | 3.01 | .26 | <10 | .43 | 249 | 16 | .01 | 24 | 830 | 6 | <5 | <20 | 108 | <.01 | <10 | 31 | <10 | 8 | 244 |
| 53 - | BE 92053 | 5 | <.2 | .16 | 45 | 2 | 35 | 5 | >15 | <1 | 5 | 7 | 8 | 5.10 | .04 | <10 | 6.44 | 2227 | 2 | <.01 | 4 | 370 | <2 | 10 | <20 | 733 | <.01 | <10 | 20 | <10 | 3 | 25 |
| 54 - | BE 92054 | 5 | .4 | .45 | 30 | 2 | 80 | <5 | .50 | <1 | 2 | 24 | 15 | 2.27 | .22 | <10 | .12 | 77 | 10 | <.01 | 6 | 900 | 8 | <5 | <20 | 26 | <.01 | <10 | 21 | <10 | 3 | 68 |
| 55 - | BE 92055 | <5 | <.2 | .30 | 225 | 2 | 120 | <5 | 11.91 | <1 | 22 | 235 | 76 | 4.12 | <.01 | <10 | 4.07 | 1264 | 1 | <.01 | 140 | 170 | <2 | 5 | <20 | 934 | <.01 | <10 | 42 | <10 | 2 | 33 |
| Repeat I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 - | BE 92022 | | 22.4 | .15 | 550 | <2 | 25 | <5 | <.01 | <1 | 3 | 229 | 16 | 3.04 | <.01 | <10 | <.01 | 31 | 19 | <.01 | 6 | <10 | 22 | 70 | <20 | 2 | <.01 | <10 | <1 | <10 | <1 | 20 |
| 46 - | BE 92046 | | <.2 | .21 | 1125 | 4 | 45 | 10 | .03 | <1 | 7 | 31 | 8 | 14.35 | <.01 | <10 | <.01 | 55 | 6 | <.01 | 2 | 40 | 12 | 55 | <20 | 10 | <.01 | 20 | <1 | <10 | <1 | 27 |

NOTE: < = LESS THAN

QC DATA

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, B.Sc.F.
B.C. Certified Assayer

## SAMPLE ASSAY VALUES

| SAMPLE # | WIDTH(m) | AU(ppb) | AG(ppm) | AS(ppm) | HG(ppb) |
|---|---|---|---|---|---|
| BZ92001 | GRAB | 45 | 1.2 | 110 | 268 |
| BZ92002 | 2.0 | 10 | 2.2 | 60 | 540 |
| BZ92003 | 2.0 | <5 | <0.2 | 490 | 881 |
| BZ92004 | 3.0 | <5 | <0.2 | 255 | 474 |
| BZ92005 | 1.0 | 775 | 22.4 | 2390 | 4745 |
| BZ92021 | 1.0 | 775 | 79.5 | 2245 | >10000 |
| BZ92022 | 1.8 | 445 | 21.8 | 535 | 1771 |
| BZ92035 | 1.2 | 285 | 10.6 | 395 | 1347 |
| BZ92036 | 1.0 | 465 | 28.8 | 985 | 3050 |
| BZ92037 | GRAB | 360 | 17.4 | 575 | 3559 |
| BZ92038 | 1.8 | 190 | 7.8 | 2570 | 1686 |
| BZ92039 | 1.0 | 245 | 9.2 | 1680 | 1762 |
| BZ92040 | FLOAT | 680 | 34.8 | 890 | 4999 |
| BZ92041 | FLOAT | 1410 | 62.4 | 1290 | 7310 |
| BZ92042 | FLOAT | 1800 | 55.6 | 2125 | 27000 |
| BZ92043 | 1.2 | 685 | 44.0 | 720 | 10000 |
| BZ92044 | 2.0 | 245 | 3.8 | 1435 | 2711 |
| BZ92046 | 1.5 | 2540 | <0.2 | 1180 | 8900 |
| BZ92047 | GRAB | 55 | <0.2 | 115 | 550 |
| BZ92048 | 0.8 | <5 | <0.2 | 85 | 576 |
| BZ92049 | GRAB | <5 | <0.2 | 5 | 212 |
| BZ92050 | GRAB | 5 | <0.2 | 40 | 140 |
| BZ92051 | GRAB | 5 | 0.2 | 20 | 516 |
| BZ92052 | 1.0 | <5 | 0.2 | 30 | 618 |
| BZ92053 | GRAB | 5 | <0.2 | 45 | 25 |
| BZ92054 | 1.0 | 5 | 0.4 | 30 | 720 |
| BZ92055 | FLOAT | <5 | <0.2 | 225 | 38 |

MELVILLE GLACIER

BONSAI 4
307394

BONSAI 3
307393

BONSAI 2
307392

BONSAI 1
307391

BONSAI
307389

HARRYMEL CREEK

LCP

BZ92035
BZ92036
BZ92037
BZ92038
BZ92039
BZ92022
BZ92021
BZ92040
BZ92041
BZ92042
BZ92043
BZ92044
7+75N
9+00E
000/90°
BZ92046
BZ92051
BZ92052
BZ92053
BZ92005
BZ92048
BZ92047
BZ92050
BZ92049
BZ92055
BZ92054

SEE FIG. 5 DETAIL MAP – TRENCHING

Fv
Ar. Slst.
Fv
Ar. Slst.

Ar. Slst.
80°
BZ92001
BZ92002
BZ92003
BZ92004

### LEGEND

Fv – Felsic volcanics; xlt–lith tuff pale–dark grey, silicified, brecciated, 2–3% diss. euhedral py & minor massive layered py bands, strong Fe.Ox

Ar. Slst. – Argillitic siltstone/ mudstone, black, schistose; tr. – 2% diss. f.g. py, rare 1mm thick f.g. py bands.

BZ92046 × 1992 Rock Sample Site

BZ92040 ⊗ 1992 Float Sample Site

Creek

Outcrop Outline

Geological Contact (approximate)

SCALE 1:2500

50 0 50 100 150

METERS

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,894

# TEUTON RESOURCES CORP.

BONSAI CLAIMS

## GEOLOGY & ROCK SAMPLE SITE MAP

(1) 2c.

SKEENA M.D., B.C.

| | |
|---|---|
| RPM Mapping and Computer Services Ltd. | Date: MARCH 1993 |
| | NTS No.: 104B/10E |
| | Figure: 4 |

## TRENCH #1

| SAMPLE # | INTERVAL(m) | WIDTH(m) | AU(ppb) | AG(ppm) | AS(ppm) | HG(ppb) |
|---|---|---|---|---|---|---|
| BZ92006 | 0.0 – 0.2 | 0.2 | 25 | 0.2 | 340 | 910 |
| BZ92007 | 0.2 – 1.2 | 1.0 | 305 | 2.0 | 3490 | 19000 |
| BZ92008 | 1.2 – 1.9 | 0.7 | 895 | 1.8 | 3495 | 11000 |
| BZ92009 | 1.9 – 3.2 | 1.3 | 745 | 3.0 | 4620 | 18000 |
| BZ92010 | 3.2 – 4.2 | 1.0 | 395 | 10.2 | 2035 | 4057 |

## TRENCH #2

| SAMPLE # | INTERVAL(m) | WIDTH(m) | AU(ppb) | AG(ppm) | AS(ppm) | HG(ppb) |
|---|---|---|---|---|---|---|
| BZ92011 | 0.0 – 1.0 | 1.0 | 130 | 1.4 | 430 | 142 |
| BZ92012 | 1.0 – 2.3 | 1.3 | 225 | 2.0 | 1295 | 329 |
| BZ92013 | 2.3 – 3.2 | 0.9 | 295 | 1.4 | 1735 | 4661 |
| BZ92014 | 3.2 – 4.5 | 1.3 | 20 | <0.2 | 170 | 635 |
| BZ92015 | 4.5 – 5.5 | 1.0 | 25 | <0.2 | 165 | 1288 |
| BZ92016 | 5.5 – 6.5 | 1.0 | 30 | 0.2 | 180 | 1601 |
| BZ92017 | 6.5 – 7.7 | 1.2 | 75 | 0.4 | 560 | 168 |
| BZ92018 | 7.7 – 8.7 | 1.0 | 335 | 2.0 | 2510 | 6440 |
| BZ92019 | 8.7 – 9.9 | 1.2 | 395 | 6.8 | 2490 | 8983 |
| BZ92020 | 9.9 – 10.8 | 0.9 | 480 | 8.8 | 3215 | 6560 |

## TRENCH #3

| SAMPLE # | INTERVAL(m) | WIDTH(m) | AU(ppb) | AG(ppm) | AS(ppm) | HG(ppb) |
|---|---|---|---|---|---|---|
| BZ92023 | 0.0 – 1.0 | 1.0 | 10 | 0.6 | 125 | 176 |
| BZ92024 | 1.0 – 1.9 | 0.9 | 25 | 0.2 | 170 | 205 |
| BZ92025 | 1.9 – 2.6 | 0.7 | 150 | 2.2 | 760 | 1005 |
| BZ92026 | 2.6 – 3.5 | 0.9 | 240 | 1.8 | 1485 | 3220 |
| BZ92027 | 3.5 – 4.8 | 1.3 | 60 | 0.4 | 480 | 1153 |
| BZ92028 | 4.8 – 6.1 | 1.3 | 75 | 1.2 | 1135 | 1771 |
| BZ92029 | 6.1 – 7.1 | 1.0 | 340 | 0.8 | 3385 | 3779 |
| BZ92030 | 7.1 – 8.2 | 1.1 | 405 | 1.6 | 3130 | 6440 |
| BZ92031 | 8.2 – 9.1 | 0.9 | 80 | 2.2 | 830 | 1907 |
| BZ92032 | 9.1 – 10.3 | 1.2 | 55 | 0.8 | 865 | 5110 |
| BZ92033 | 10.3 – 11.6 | 1.3 | 55 | 0.8 | 410 | 1203 |
| BZ92034 | 11.6 – 12.8 | 1.2 | 70 | 1.4 | 360 | 1076 |
| BZ92045 | | GRAB | 535 | 0.8 | 3650 | 20000 |

## OTHER SAMPLES

| SAMPLE # | INTERVAL(m) | WIDTH(m) | AU(ppb) | AG(ppm) | AS(ppm) | HG(ppb) |
|---|---|---|---|---|---|---|
| BZ92005 | | 1.0 | 775 | 22.4 | 2390 | 4745 |

CREEK

N

TRENCH #3

BZ92034
BZ92033
BZ92032
BZ92031
BZ92030
BZ92029
BZ92028
BZ92027
BZ92026
BZ92025
BZ92024
BZ92023

7–10% diss. & clusters euhedral f.g. – c.g. py

Silicified Felsic Tuff: pale–dark grey, brecciated 1–5mm cal veinlets, 2–3% diss. f.g. – c.g. euhedral py strong Fe.Ox.

10–15% clusters of euhedral f.g. – c.g. py.

7+75N
9+00E

TRENCH #2

BZ92020
BZ92019
BZ92018
BZ92017
BZ92016
BZ92015
BZ92014
BZ92013
BZ92012
BZ92011

15–20% semi–massive py diss. & interstitial, v.f.g. – v.c.g.

H

Shear Zone

TRENCH #1

BZ92006
BZ92007
BZ92008
BZ92009
BZ92010

177/73°E

Banded massive py layers 0.3m thick, cal: form coarse xtls. 177/73°E

BZ92045: Select grab, massive py from Trench #1

CREEK

BZ92005

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,894

### LEGEND

BZ92046 × — 1992 Rock Sample Site

Creek

Approx. Outcrop Outline

Shear Zone

SCALE 1:250

5 0 5 10 15

METERS

TEUTON RESOURCES CORP.

BONSAI CLAIMS

(2) TRENCH SAMPLE DETAIL MAP

SKEENA M.D., B.C.

RPM Mapping and Computer Services Ltd.

Date: MARCH 1993

NTS No.: 104B/10E

Figure: 5