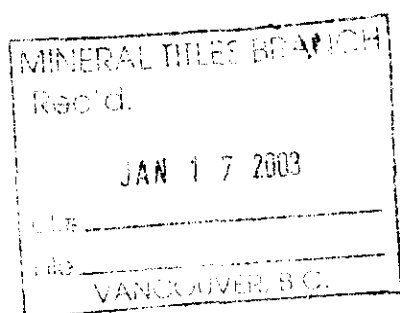


**Bright Star Ventures Ltd.**

**Summary of Exploration Activities**

**on the BJP 1, BJP 2, BJP 3 Claims**



**for the Period**

**from June 10<sup>th</sup> to September 1<sup>st</sup>, 2002**

**December 21<sup>st</sup>, 2002**

**William Yeomans, P. Geo.**

**GEOLOGICAL SURVEY BRANCH  
ASSESSMENT REPORT**

**27,040**

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Bright Star Ventures Ltd.  
 Tulameen Ultramafic Complex

Figure 1  
 Location Map

Similkameen Mining Division NTS 092H  
 Scale 1:250,000

## **1.0 Introduction**

Bright Star Ventures Ltd. optioned the BJP 1, BJP 2, and BJP 3 claims during the 2001 field season in order to evaluate the mineral potential of the Tulameen ultramafic complex. These claims occur in the Similkameen Mining Division, located approximately 21.5 kilometers west of the town of Princeton, in South Central British Columbia. These claims were optioned from Cusac Gold Mines, who hold a joint venture agreement with Aboriginal Investments Ltd. This property was subjected to a line-cutting followed by a B-horizon soil survey and a geophysical IP survey during the period from July 1<sup>st</sup> till August 20<sup>th</sup>, 2002. This report describes the results of the survey.

## **2.0 Property Location and Access**

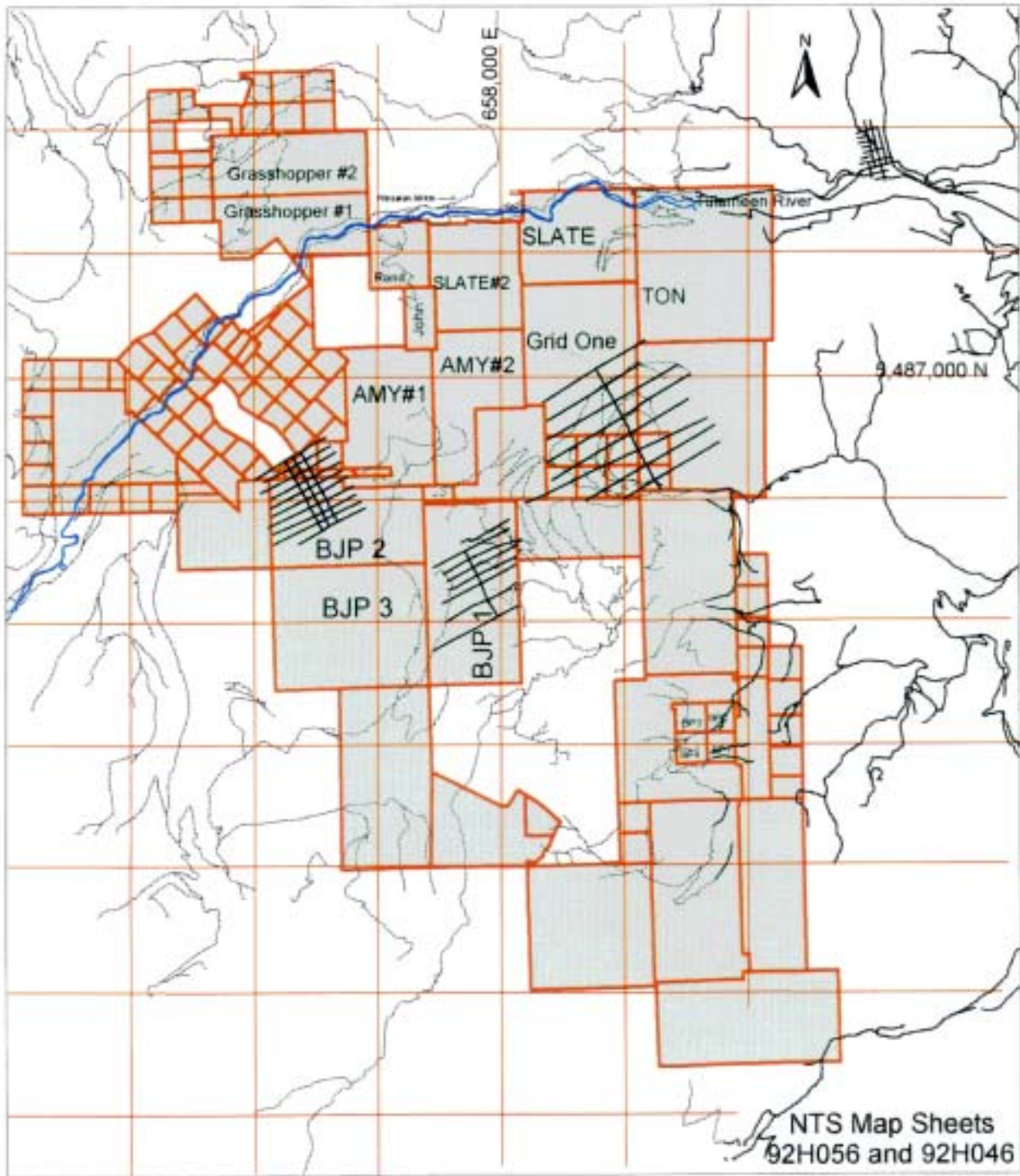
The Tulameen ultramafic complex is located in the Cascade Mountains of southwestern British Columbia, approximately 26 kilometers northwest of the town of Princeton, B.C. The property is located on 1:20,000 scale NTS mapsheet M092H046, centered at approximately 49 degrees - 27' - 48" north latitude and 120 degrees - 48' - 34" west longitude. Access to the property is via a 16 km paved road from Princeton to Coalmont and then branching off to the south on the all-season Granite Creek road to seasonal logging roads that go to the headwaters of Blakeburn Creek. Elevations in the area range from approximately 3,000 feet asl along the Tulameen River valley, to more than 5,000 feet asl on Olivine Mountain. Major tributaries within the Tulameen River basin in the area of interest include Olivine, Granite and Blakeburn Creeks.

The majority of the property is covered by mature fir forest, although it is logged out in many areas. Forested areas are generally covered by glacial till. Glaciofluvial deposits have also been observed at lower elevations in the river valley. Non-glacial features include massive outcrops with little or no soil development, talus slopes and fluvial terraces. The region lies in a transition zone between the Cascade Mountains to the west and the Interior Plateau, located further to the east.

The climate is transitional between that of the dry southern interior and the much moister Cascade and Coast Mountain ranges located to the west. Summers are hot and dry while winters are cold with heavy snowfall at high elevations. Patches of snow can remain on the plateau areas of Olivine and Grasshopper Mountain until early June, and snowfalls can take place as early as mid-September. Figure 1 is a 1: 250,000 scale property location map for the BJP 1, 2, and 3 claims in the Tulameen area that were optioned in 2001 by Bright Star Ventures Ltd., while Figure 2 is a more detailed claim map of the property.



Table 1 is a list of Claims for the property:

Figure 2. Bright Star Ventures Ltd. Claim Map



**LEGEND**



- NAD 83  
1:100,000
-  Rivers and Creeks
  -  Roads
  -  Claims - Bright Star Ventures Ltd.

**Table 1. List of Claims**

<b>Claim Name</b>	<b>Mining Division</b>	<b>Tenure No.</b>	<b>Owner No.</b>	<b>Map No.</b>	<b>Work Till</b>	<b>Units</b>	<b>Tag No.</b>
BJP 1	Similkameen	365092	141036	092H046	20041215	18	231263
BJP 2	Similkameen	365423	141036	092H046	20041215	20	231265
BJP 3	Similkameen	365442	1410361	092H046	20041215	15	231264

### **3.0 Previous Work**

One of the earliest gold rushes in Canadian history occurred along the Tulameen River and its tributaries during the summer of 1885. During that year, John Chance discovered coarse visible gold in surficial gravels along Granite Creek near the confluence with the Tulameen River. By October of that year the town of Granite City had grown to a population of 2000 people. Granite Creek was staked over a length of five miles to the south from the Tulameen River and sixty-two companies had alluvial mining operations.

During the late 1800's the Tulameen District was the most important producer of platinum in North America. Platinum was recovered with the placer gold from the Tulameen River and her tributaries, including Granite, Cedar, Slate, Britton and Lawless Creeks. The platinum occurred as a fine, hard, silver-white lustrous metal with a high specific gravity in the sluice boxes and gold pans, along with the gold and heavy concentrations of black sands (magnetite and chromitite). In some areas there was more platinum than gold in the concentrates. Platinum nuggets up to 0.5 ounces were found, and during the year 1888, 1,500 ounces of platinum was recovered. This gold / platinum rush subsided over the following ten years, and in 1907 a fire razed the town of Granite City, leaving only a few buildings remaining and abandoned at this time. Total platinum production from the alluvial operations was estimated to be approximately 20,000 ounces from the area between 1885 and 1934 (O'Neil and Gunning, 1934).

Preliminary geological investigations by government agencies in the Tulameen area included work by Kemp (1902) who examined the geological relationship between the alluvial platinum occurrences and the surrounding ultramafic rocks for the U.S. Geological Survey, while Camsell (1913) conducted several years of geological study of the Tulameen area for the Geological Survey of Canada. Poitevin (1924) examined similarities between the platinum-bearing rocks of the Tulameen area with similar ultramafic complexes that occur in the Ural Mountains of Russia.

O'Neill and Gunning (1934), Rice (1948), and Eastwood (1959) also made significant contributions to understanding the geological setting for platinum mineralization in the Tulameen area. Findlay (1969) conducted detailed petrological and geological studies and identified platinum minerals in bedrock during the course of his Ph. D. research on the Tulameen ultramafic complex. He established an association between chromite and platinum values in the central core of the intrusion. The mineralogical, geochemical, and petrological associations relative to the distribution of platinum group elements in the



complex were also studied and documented by St. Louis (1982, 1986), and more recently by Rublee (1986, 1994).

Evenchick et. al., 1986, Nixon (1987, 1988, 1990,), and Nixon and Rublee (1987) classified the Tulameen Alaskan-type ultramafic complex as potential hosts for commercially exploitable deposits of platinum metals. The structural setting of this complex was documented and compared with other Alaskan-type ultramafic intrusions in Alaska and the Ural Mountains in Russia.

Nixon et. al.(1989), were able to trace the source of platinum nuggets in the Tulameen River to chromitite horizons within the dunite core of the Tulameen ultramafic complex by matching the phase chemistry of the gangue minerals spinel and olivine, in both alluvial nuggets and bedrock lode occurrences. Outcrops of dunite within the Tulameen ultramafic complex were metallurgically tested for the economic potential of the industrial mineral olivine. The Foundry Section of the Physical Metallurgy Research Laboratories in Ottawa (CANMET) conducted several tests on unaltered dunite samples. White (1987) reported that initial test results from the CANMET research were encouraging and that there is economic potential for the industrial mineral olivine on Grasshopper Mountain. These conclusions were based upon the results from coarse fractions ranging from 1.5 inches to 4.5 inches in size.

South of the Tulameen River, the ultramafic complex has been subjected to sporadic exploration programs for platinum group metals, iron, base metals and gold. Exploration companies and individual prospectors completed soil geochemistry surveys, ground magnetic, VLF-EM-16 geophysics and a very limited amount of diamond drilling. This area represents approximately 75% of the entire Tulameen ultramafic complex, yet it has remained highly under-explored to date. Poor access into this part of the complex inhibited the amount of exploration conducted in this part of British Columbia.

Early mineral exploration over the southern half of the complex commenced during the 1960's, with Fort Reliance Minerals Limited conducting prospecting, geological mapping and trenching over the ultrabasic rocks on four blocks of claims (Blocks A, B, C, and D) covering Olivine Mountain, Tanglewood Hill, and two areas located south and west of Lodestone Mountain. Exploration was directed towards copper and nickel occurrences, and several copper showings were discovered during this period. Two trenches were excavated on Claim Block "C", on claims FRM 92 and FRM 99, which are situated near the southern limit of the complex between Newton Creek and Arrastra Creek. Trench mapping and sampling revealed greater than 1% copper over widths of 6 meters. North to northwest trending fracture zones within hornblende clinopyroxenite control the strike of sulfide mineralization. A "shattered zone" and minor quartz veining was plotted on the trench map, suggesting that there may have been brecciation and open space filling associated with the fracture system. Rhythmic layering was recognized in the clinopyroxenite. In the same report it was mentioned that Anaconda drilled a copper showing immediately south of Block "C", at a sulfide occurrence located along Arrastia Creek, near the very southern limit of the Tulameen ultramafic complex during this same period.

Inter Canadian Development Corp. optioned the Lode I, III and IV claim groups and earned in a 90% interest in the Lode II claim block (20 units). Allen (1987) collected 229 soil, silt and rock samples along three widely spaced reconnaissance lines. Soil samples were collected from B-Horizon soils from a depth of 20 to 40 centimeters every 50 meters. A Scintrex MP Proton magnetometer instrument was used to conduct a magnetometer survey along the same widely spaced lines. Allen (1987) noticed a broad general increase in magnetic readings towards the eastern margin of the complex. Allen and Brownlee (1989) conducted additional geophysical surveys over the area in 1988 and identified four VLF-EM-16 conductors within mafic to ultramafic rocks. Three of the four conductors are present on the BJP #1 claim block.

Two of the four conductors were spatially associated with elevated platinum, palladium, copper, nickel and chromium values in B-horizon soils that were collected during that program. During the next year follow-up B-horizon soil surveys confirmed the elevated and anomalous values that were obtained during the initial survey (Allen and Brownlee, 1989).

In late 1998 Aboriginal Investments acquired a 100% interest in claims BJP 1,2 and 3 which covered 53 units. Perry (1999) collected anomalous bedrock samples, mostly from outcroppings located within 200 meters of the overburden-covered VLF-EM-16 conductors. Values ranged up to 315 ppb Pt and 633 ppm Ni in fine-grained magnetite-rich hornblende pyroxenite. Some minor malachite staining was observed and sampled in the vicinity of the east-central conductor and slightly elevated Pt and Pd values were detected at the lab.

Lloyd Geophysics was hired to confirm the locations of the VLF-EM-16 anomalies and six trenches were demarcated in order to excavate and identify the cause for the electromagnetic anomalies. Thirteen B-horizon soils samples and 18 A-horizon humus soil samplers were collected and submitted for Pt-Pd-Au-Cu-Cr-Ni along with other elements which were analyzed by conventional fire assay, graphite furnace AA and multi-element ICP methods. Slightly elevated values of Pd and Cu in B-horizon soils were obtained in both the B-horizon soils and the humus samples in the vicinity of the east-central conductor. Highly anomalous Co and Ni values were obtained from A-horizon humus samples taken over the western conductor (See compilation map located in back pocket).

Trenches ranging in length from 35 to 80 meters in length and 0.5 to 5 meters in depth were excavated over the conductors using a JD 790 excavator. The east-central conductor was exposed in three separate trenches and a pyrite-bearing shear zone was exposed. Occasional malachite and a coarse grained cumulate pegmatite enriched in chalcopyrite was exposed. Sampling returned values up to 1.5% Cu, 50 ppb Au, 4600 ppb Ag and 30 ppb Pd in the cumulate pegmatite and in narrow, copper-rich quartz veins. Other anomalous Pt values were obtained within the excavated trench over the western conductor in magnetite-rich pyroxenite.

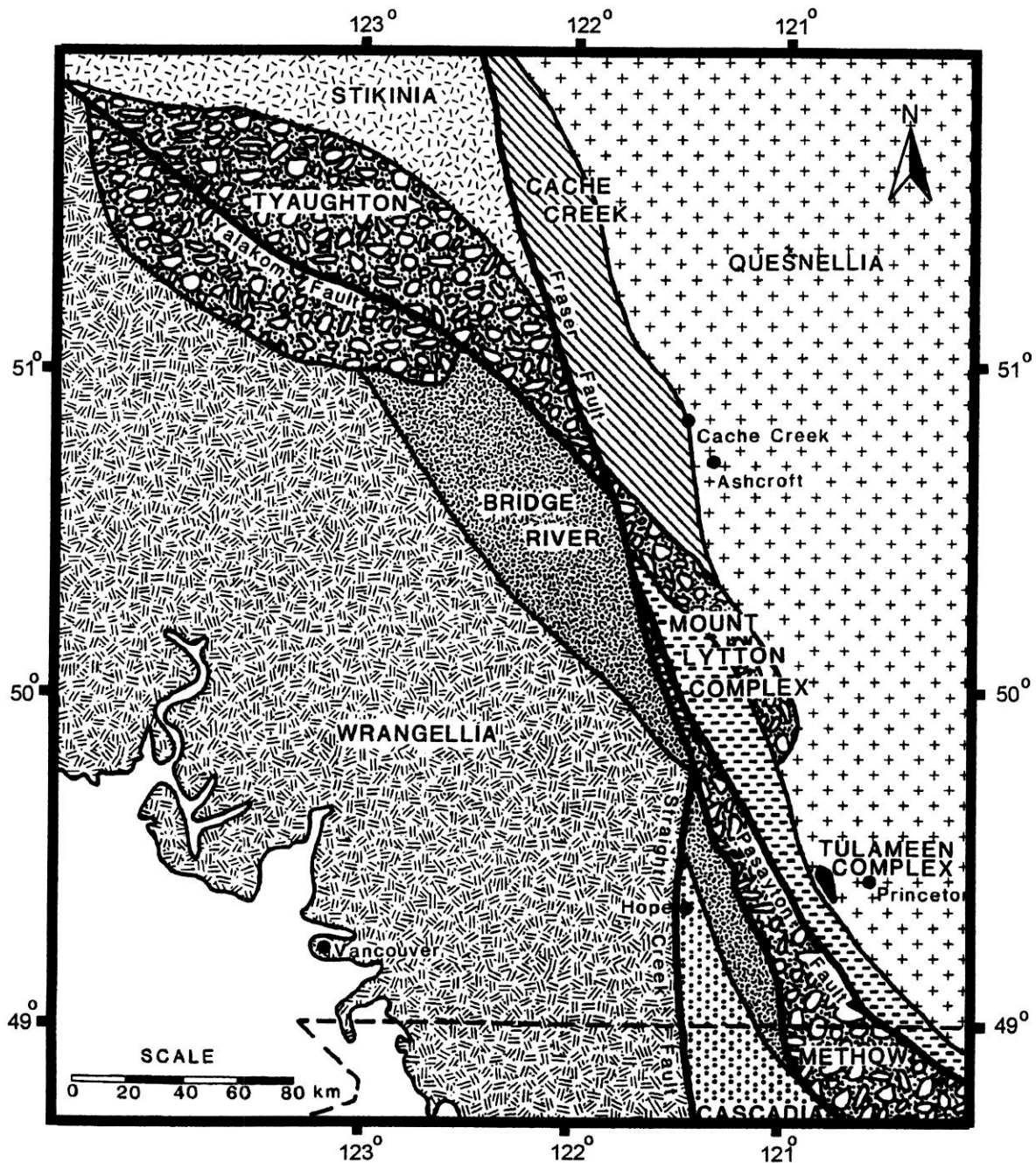


Figure 3. Geological setting of the Tulameen complex in relation to tectonostratigraphic terranes (modified after Kleinspehn, 1985). From Nixon and Rublee (1988)

## 4.0 Regional Geology

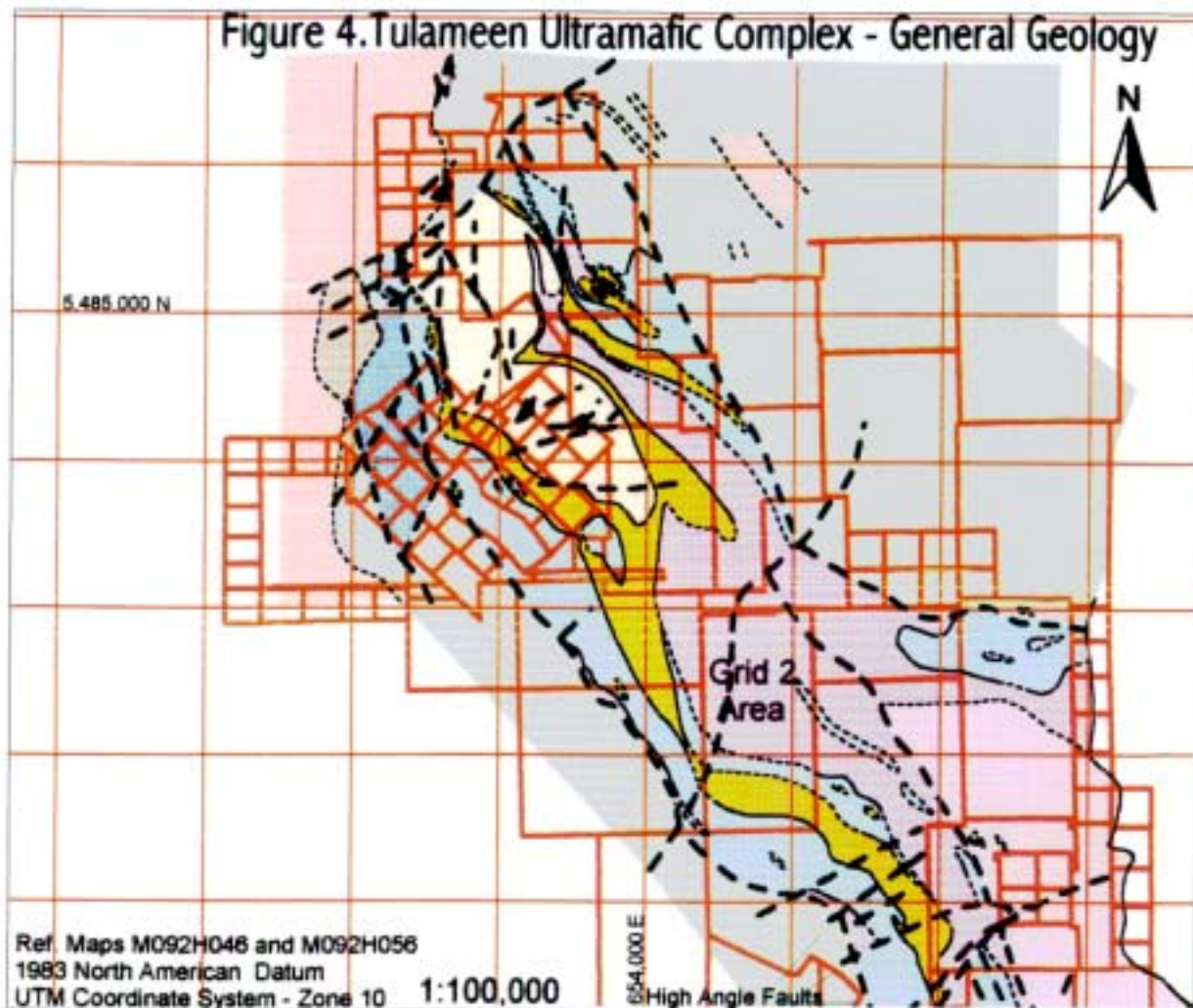
Nixon and Rublee (1988) have reported that Alaskan-type ultramafic complexes in British Columbia are potential hosts for exploitable deposits of platinum metals. The Tulameen ultramafic complex is situated immediately west of the juncture between the Quenellia tectonostratigraphic terrane with the Mount Lytton complex, and is situated within the southwestern Intermontaine Belt. Early tertiary "transtensional" block faulting related to regional right-lateral transform movement that has taken place along the Fraser River – Straight Creek fault system (Monger, 1985).

The Tulameen ultramafic complex (TUC) covers an area of 64 square kilometers, which makes it the largest of all Alaskan-type ultramafic complexes that occur within the Intermontaine Belt. The TUC extends north-northwest for 20 kilometers between Grasshopper Mountain and Arrastrada Creek in the south, parallel to the contact between Upper Triassic Nicola Group volcanics and metasedimentary rocks, and the granitic terrane of the Eagle Plutonic complex located to the west. The Nicola Group volcanic host rocks in this region are generally intermediate to felsic in composition and belong to the western facies of the Upper Triassic Nicola volcanic assemblage (Nixon and Rublee, 1988). This assemblage has undergone greenschist to amphibolite grade metamorphism.

The lithologies of the TUC are Early Jurassic, elongate ultramafic to gabbroic intrusive bodies. The Tulameen ultramafic assemblage was emplaced into the Upper Triassic Nicola Group during a late Triassic deformation event. During this time, Nicola group volcanics were folded along north to northwest trending fold axis (Findlay, 1969). Age dates for the complex yield a preferred age of 175 Ma (Mid-Jurassic), but this age may be erroneous due to argon loss during metamorphism. Preliminary age dates on the Eagle plutonic complex suggest an Early to mid-Cretaceous (97 to 120 Ma.) age of emplacement (Nixon and Rublee, 1988). The eastern margin of the TUC and its host Nicola volcanic assemblage are unconformably overlain by terrigenous metasedimentary and metavolcanic assemblages of the Early Tertiary (Eocene) Princeton Group along with Miocene plateau basalt flows.

Regional structures include major faults trending north-northwest and are characterized by a westward dipping foliation that parallels the eastern margin and extends into the Mount Lytton Batholith (also known as the Eagle Plutonic Assemblage) (Figure 3). The TUC displays a crude lop-sided concentric arrangement of a central dunite core surrounded by olivine clinopyroxenite, hornblende clinopyroxenite, and gabbroic rocks. The tectonic history during the emplacement of the TUC intrusive assemblage was complex and a multiple stage event. Figure 4 is a map of the general geology of the Tulameen ultramafic complex, with major structures and geological units identified relative to Bright Star Ventures claims. The original version of this map was initially prepared by Findlay (1969) as part of his Ph. D. research, and was subsequently modified as a result of additional geological fieldwork completed by Nixon et. al.(1997). The digital work completed in this study has taken this map a step further through data aggregation and compilation of all the old surveys. All of the old exploration data is

Figure 4. Tulameen Ultramafic Complex - General Geology



4 0 4 Kilometers

### LEGEND

#### Intrusive Rocks

TERTIARY (Eocene)

Granodiorite

LATE JURASSIC TO MID-CRETACEOUS

Eagle Plutonic Complex

LATE TRIASSIC Tulameen Complex

Mafic Pegmatite

Syenodiorite

Gabbro

Undifferentiated mafic / ultramafic rocks

Hornblende Clinopyroxenite

Hornblende Olivine Clinopyroxenite

Olivine Clinopyroxenite

Dunite

#### Stratified Rocks

TERTIARY (Eocene)

Princeton Group : Shales, sandstones and conglomerates, coal seams and seal earths, lahric breccias, rhyolitic to basaltic lava flows

UPPER TRIASSIC

NICOLA GROUP

Metasedimentary and metavolcanic rocks

Metavolcanic Units

Marble

#### Mylonitic Rocks

Undifferentiated ductily deformed Nicola and ultramafic - mafic rocks

Caims : Bright Star Ventures Ltd.

Geology from British Columbia Geological Survey Branch  
BULLETIN 93, Map 5, Geology of the Tulameen  
Alaskan-Type Complex, by G.T. Nixon et. al., (1997)



being compiled and layered into GIS format for re-evaluation using digital maps and georeferenced orthophotos.

## **5.0 Property Geology—Alaskan-Type Ultramafic Complexes**

The general structure of Alaskan-type ultramafic complexes is characterized by a crudely concentric outward zonation of rock types ranging from olivine-bearing to hornblende – rich or magnetite rich clinopyroxenites about a steeply dipping dunite core (Taylor, 1967). Typical cumulate minerals include forsteritic olivine, diopsidic augite, chromite and magnetite. Orthopyroxene is characteristically absent in Alaskan-type ultramafic intrusions, indicating an alkalic affinity. Gabbroic rocks are typically tholeiitic in composition, but in the case of the Tulameen, the gabbro complex is unique in composition since these rocks are classified as syenogabbros and syenodiorites (Nixon et al., 1997). The property geology of the Tulameen ultramafic complex is similar to other well-documented Alaskan-Type ultramafic complexes located along the southeast coast of Alaska and in the Ural Mountains of Russia.

The Union Bay complex in Alaska is a concentrically zoned mafic / ultramafic complex with a dunite core and pyroxenite shells outward to a gabbro margin. High-grade PGE samples at Union bay contain significant amounts of iron, chromium and titanium oxides. PGE mineralization includes Pt-Fe alloys, native osmium and hollingworthite. Exploration work to date on the Union Bay complex favors the pyroxenite units as the most promising favourable host lithology for PGE mineralization.

### **5.1 – Mafic Intrusives**

#### **5.1a Gabbros**

Large gabbroic intrusives occur throughout the TUC, proximal to the eastern margin of the complex. Major exposures are prevalent on the Grasshopper 1 and 2, Amy #1 and #2 and the BJP 1 and 2 claims. Findlay (1969) classified the gabbros as syenogabbros and syenodiorites. These gabbros are commonly in contact with olivine clinopyroxenite and only rarely come in contact with dunite. Syenodiorite is restricted to the southeastern margin of the TUC where it is unconformably overlain by Princeton Group lithologies.

The essential minerals within the syenogabbros include plagioclase (andesine), clinopyroxene, hornblende and potassium feldspar, with accessory minerals including apatite, opaque minerals, minor biotite and sphene. Most of the exposures of gabbro are saussuritized, are pale to dark grey in colour, and medium grained. Layered gabbros are common (Figure 4) throughout the TUC, and preserve a wealth of layering features, including modal grading of plagioclase and ferromagnesian phenocrysts in which the density grading may be normal or reversed in different layers (Nixon and Rublee, 1988).

Erosional tectonic unconformities transect earlier layers, indicating that magmatic activity occurred during crystal settling which disturbed the freshly precipitated cumulate crystal layers. Stratigraphic tops for magmatic layering are up to the west and dip steeply west towards the central dunite core in the TUC. Breccia zones have been observed in the gabbro in outcrops exposed along the Tulameen River, with rounded to sub-rounded blocks enclosed in a medium grained, uniform gabbroic groundmass. Net-textured sulfide mineralization (pyrite) has also been observed in the same section, and in this area the pyrite also lines fractures.

## **5.2 - Ultramafic Rocks**

### **5.2a Olivine Clinopyroxenite**

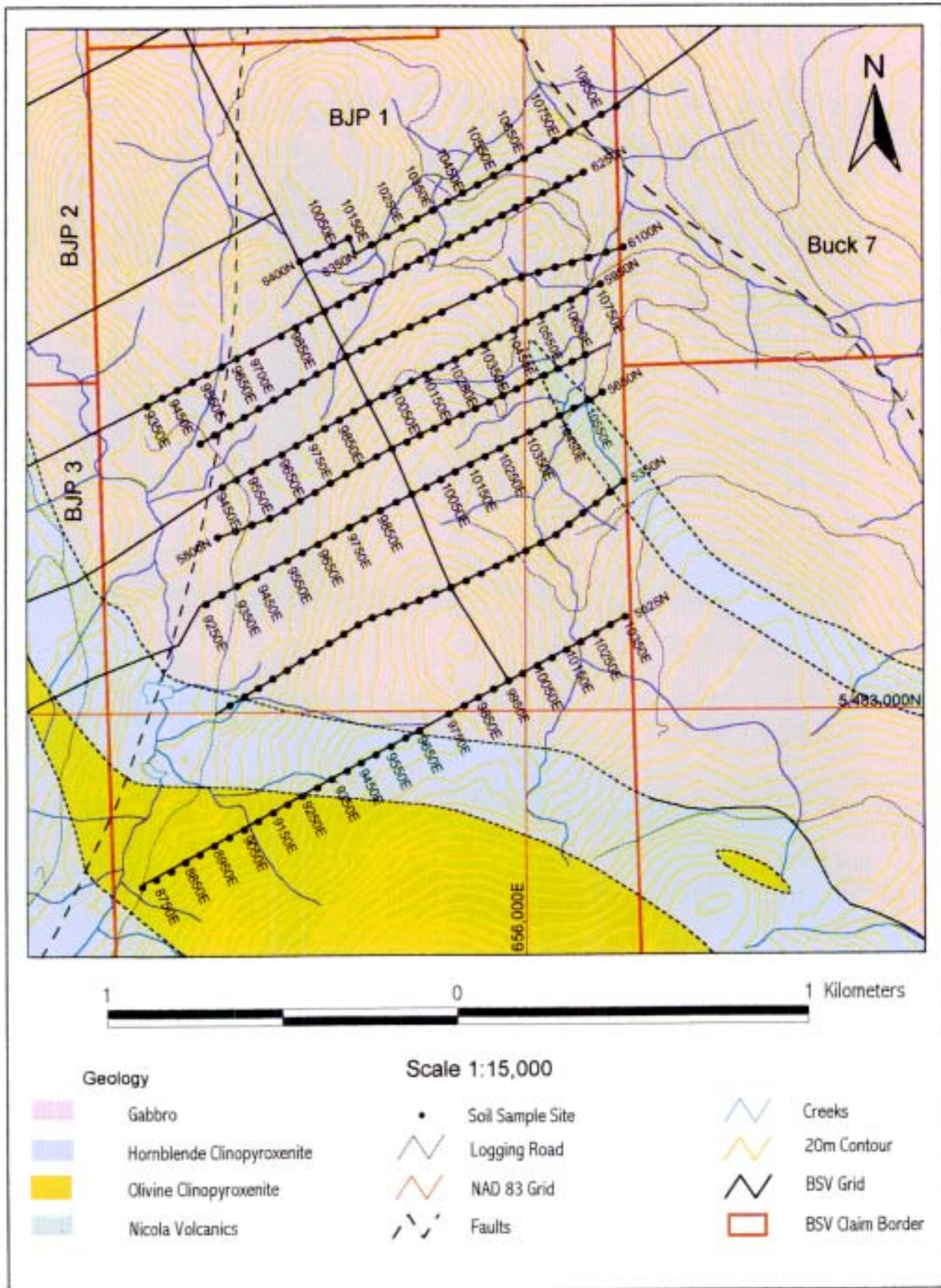
Olivine clinopyroxenite surrounds the dunite core of the TUC and is exposed on the Amy #1, Grasshopper #1, BJP1, BJP2 and BJP 3 claims. The fresh rock is medium to coarse grained and has a blotchy green and black appearance due to partially serpentinized olivine and deep green clinopyroxene. Sporadic pegmatitic phases contain crystals up to 8 centimeters across and olivine crystals locally form schlieren (Nixon and Rublee, 1988). Olivine clinopyroxenite is present on the southern half of claim BJP1.

Within the contact zone, the dunite locally encapsulates the olivine clinopyroxenite while in other areas the reverse relationship is preserved in outcrop, and the olivine clinopyroxenite encapsulates the dunite. Breccias occur within the olivine clinopyroxenite near the western contact of the dunite between Britton and Champion Creeks. Angular to rounded blocks of dunite, pyroxenite and interlayered dunite-pyroxenite are enclosed in a serpentinized pyroxene-rich groundmass. A similar breccia occurs on the eastern margin of the dunite. Contacts dip moderately to steeply south.

### **5.2b Hornblende Clinopyroxenite**

Hornblende clinopyroxenite generally occurs along the periphery of the Tulameen ultramafic complex and is present on the Grasshopper #1, Amy #2, and BJP 1,2 and 3 claims. Fresh rock is medium to coarse grained and contains diopsidic augite, hornblende, and relatively abundant magnetite with accessory minerals including biotite, sulfides and apatite. Mineral foliations are observable in medium-grained varieties and amphiboles may reach up to 3 centimeters in length in coarse-grained varieties. Accessory biotite and apatite occur in 6-meter thick magnetite-rich horizons on the southern slopes of Tanglewood Hill. The magnetite-rich horizons can also occur as schlieren and podiform masses. Mafic pegmatites are preferentially distributed near the margins of hornblende clinopyroxenite bodies (Findlay, 1969). One of the mafic pegmatites was sampled and identified as containing significant PGE values, with heavy pyrite and chalcopyrite mineralization exposed in the vicinity of Hines Creek along the sheared eastern contact zone between hornblende clinopyroxenites of the TUC with Nicola Group metvolcanic rocks (Zastavnikovich, 1988).

Figure 5. Grid Two : General Geology and Soil Sample Locations





## **6.0 Soil Geochemistry Survey Results**

A total of 21.1 kilometers of soil grid lines suitable for conducting an IP survey were established over the area of interest (Grid 2) during the period from July 8<sup>th</sup> to July 23<sup>rd</sup>. A total of 220 samples were taken on Grid 2 during the period from July 24<sup>th</sup> till August 5<sup>th</sup>. Soil samples were taken at 50-meter station intervals along the grid lines. The grid lines were spaced at 150 meters and 300 meters apart and a central base line (BL 9950E) was established for control. End points of each of the lines, clear-cut openings and grid point intersections with logging roads were accurately located with GPS instruments using NAD 83 – Zone 10 for the datum. Soil and line cutting crews were based at a motel in Tulameen and commuted to the property each day in pick-up trucks. Soil samples were dried at the Bright Star field office located in Coalmont. The soil samples were picked up by Eco-Tech staff at Bright Star's office and shipped directly to the Eco-Tech Laboratory Kamloops facility for analytical work.

Each soil sample was analyzed for Au, Pt, and Pd by fire-assay along with a multi-element ICP analysis. All of the original assay sheets for the survey are presented in Appendix 1 of this report. Although all of the assays are presented in Appendix 1, the only elements presented on maps and discussed in this report include soil results for the elements Cu, Au, Pt and Pd. Individual sample numbers indicate both line number and grid position, and individual samples are located 50 meters apart along each line. This same grid coordinate system is indicated on the geochemistry maps discussed in this section of the report. Soil sample location points are indicated in Figure 5.

## **7.0 Discussion of Soil Geochemistry**

Figure 6a. is a 1:15,000 scale map indicating the location of a large B-horizon ICP Cu (ppm) soil anomaly which is centered immediately east of the base line on Lines 5650N, 5800N and 5950N. Anomalous values range from 100 to 540 ppm Cu over a significant area of 600 m x 400m. The anomaly is draped over the top of a hill covered by thick overburden with no bedrock exposed in the area of interest.

Figure 6b. indicates the distribution of F.A. Au (ppb) in soils. Most of the anomalous gold values are randomly distributed. There is a sporadic correlation of weakly anomalous gold values located east of the base line on Lines 5800N and 5650N associated with the above described copper anomaly, which could potentially indicate the presence of a Cu-Au mineralized system in bedrock. Weakly anomalous gold values were also identified proximal to the hornblende clinopyroxenite – gabbro contact, as defined on L 5025N between stations 9500E and 9650E (inclusive). Likewise, one anomalous gold value was identified along strike on the same geological contact on L 5350N at station 9200E, located 300m to the NW.

Figure 6c. is a map of the distribution of F.A. Pd (ppb) in soils. Values ranged up to 80 ppb Pd, with the majority of samples indicating background values. These values are very sporadic and no clear trends can be defined. One anomalous value occurs within the Cu-

Figure 6a. Grid Two : B-Horizon Cu (ppm) in Soils

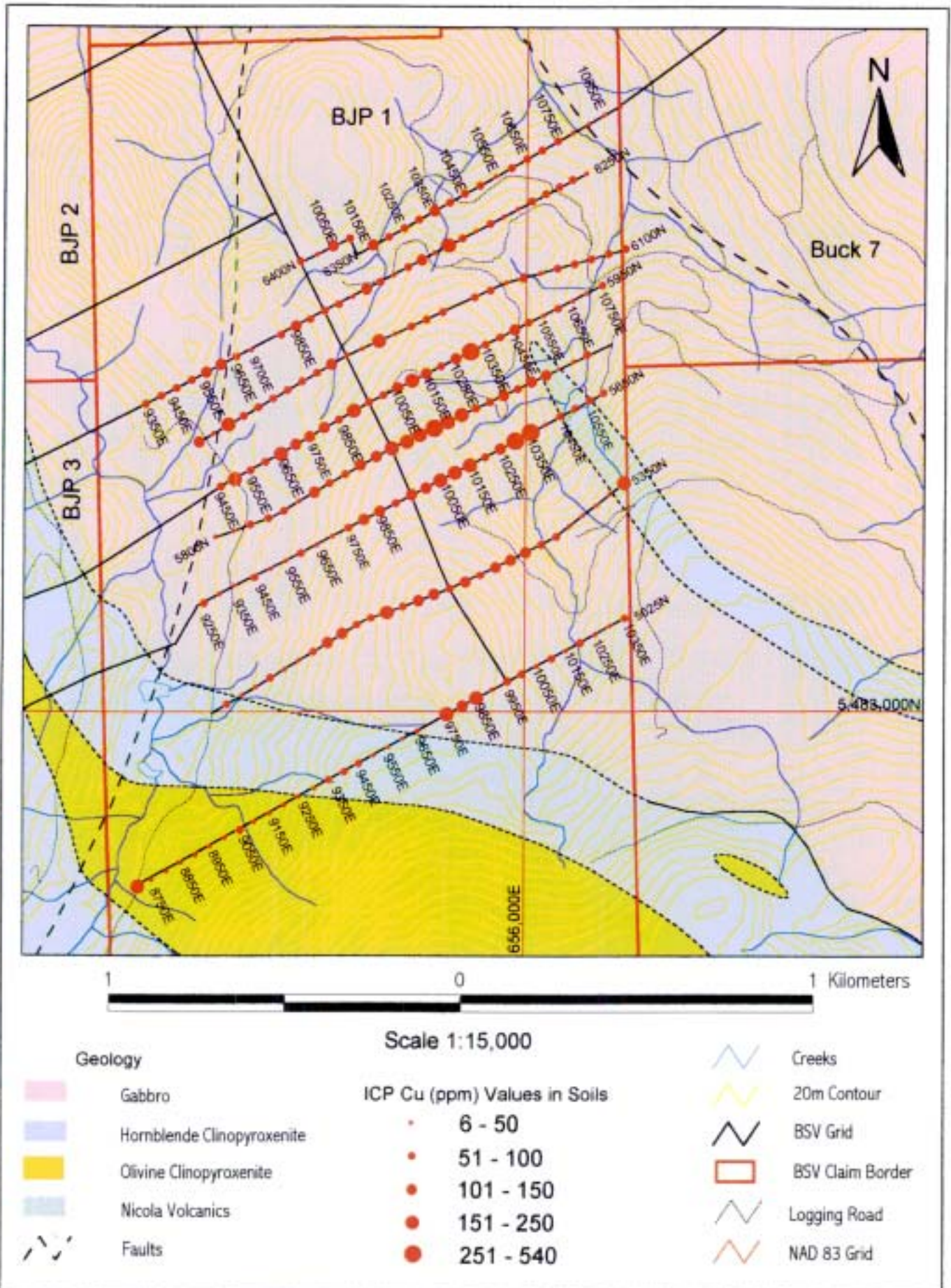




Figure 6b. Grid Two : B-Horizon Au (ppb) in Soils

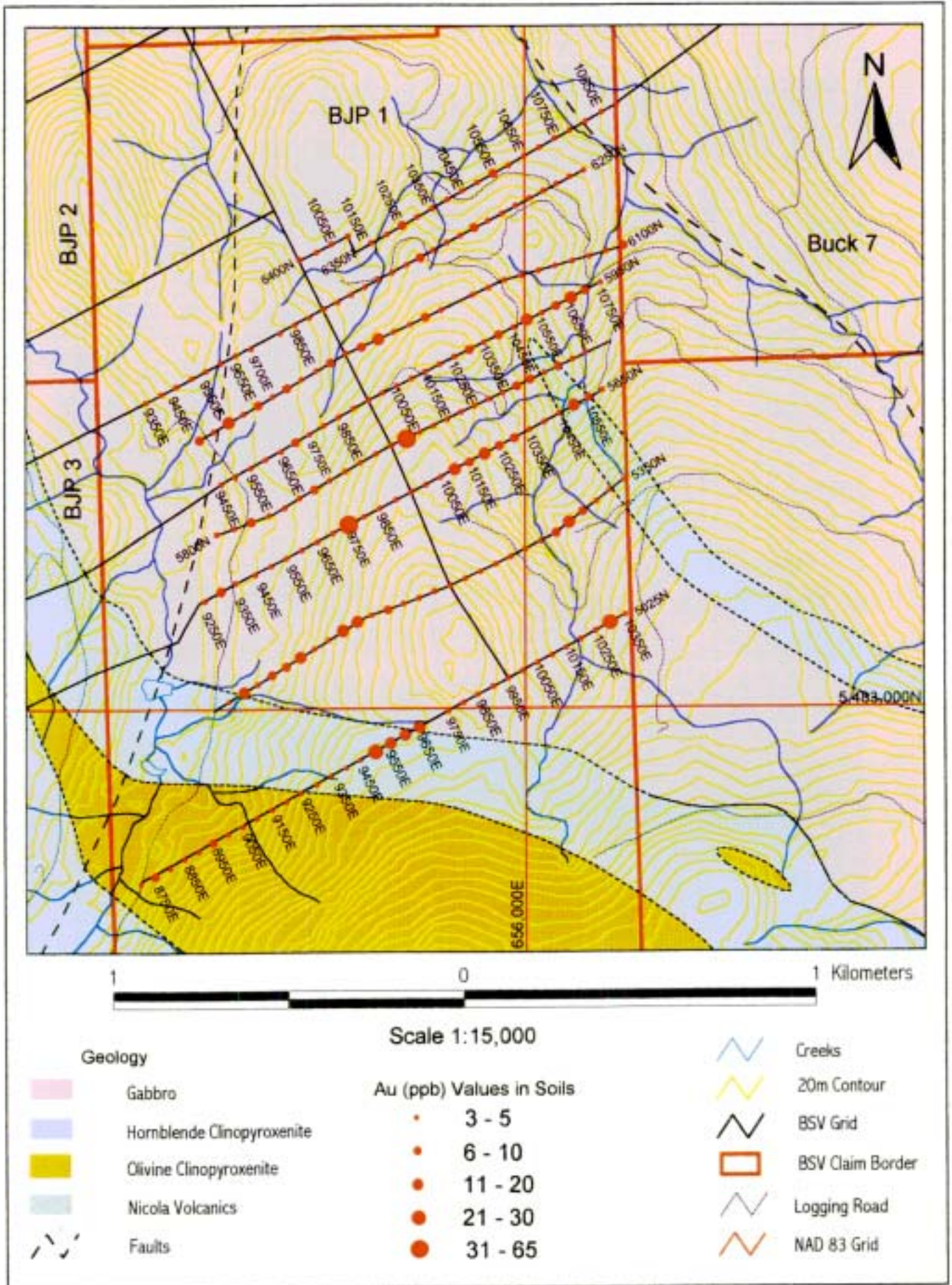
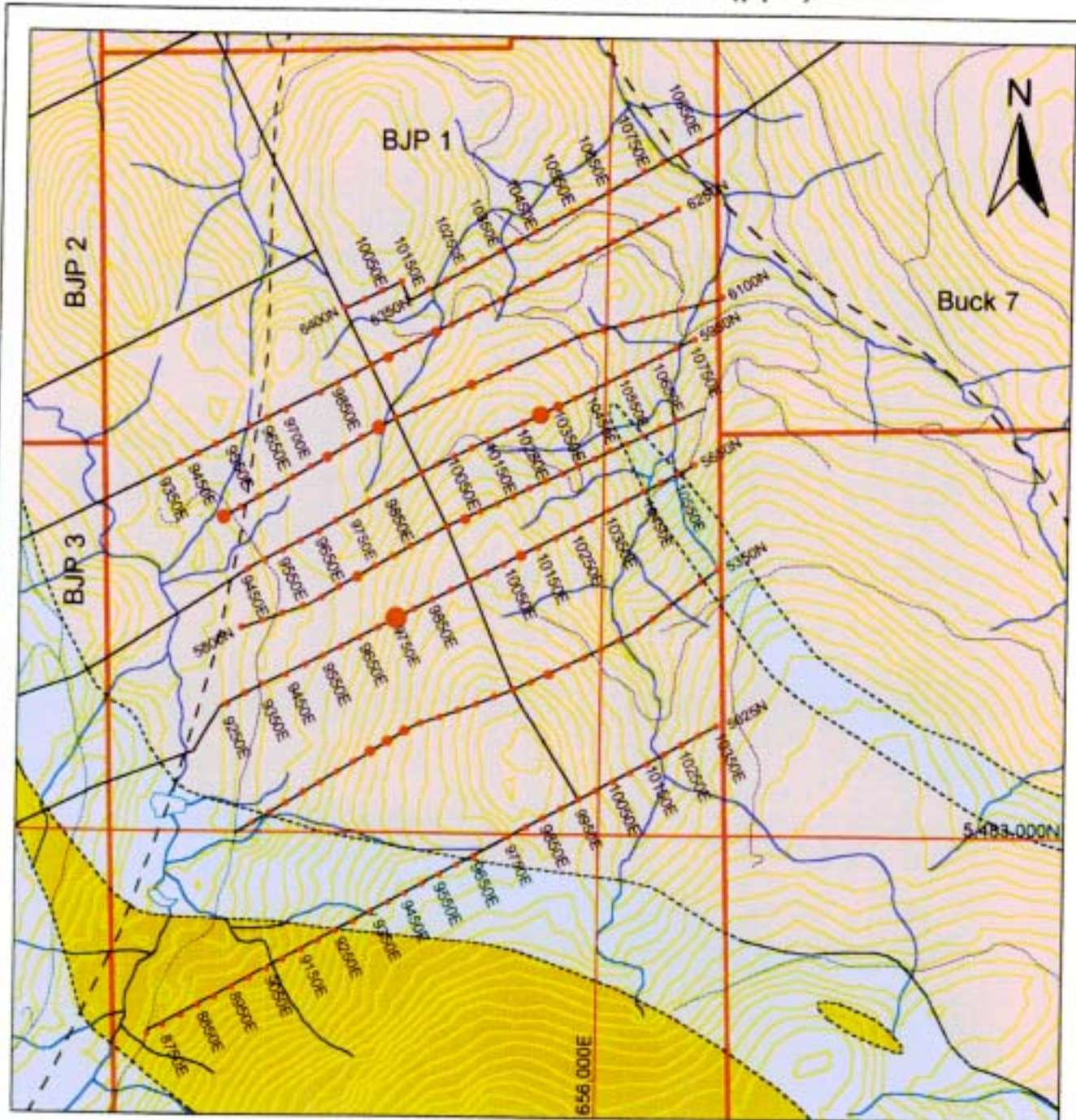




Figure 6c. Grid Two : B-Horizon Pd (ppb) in Soils



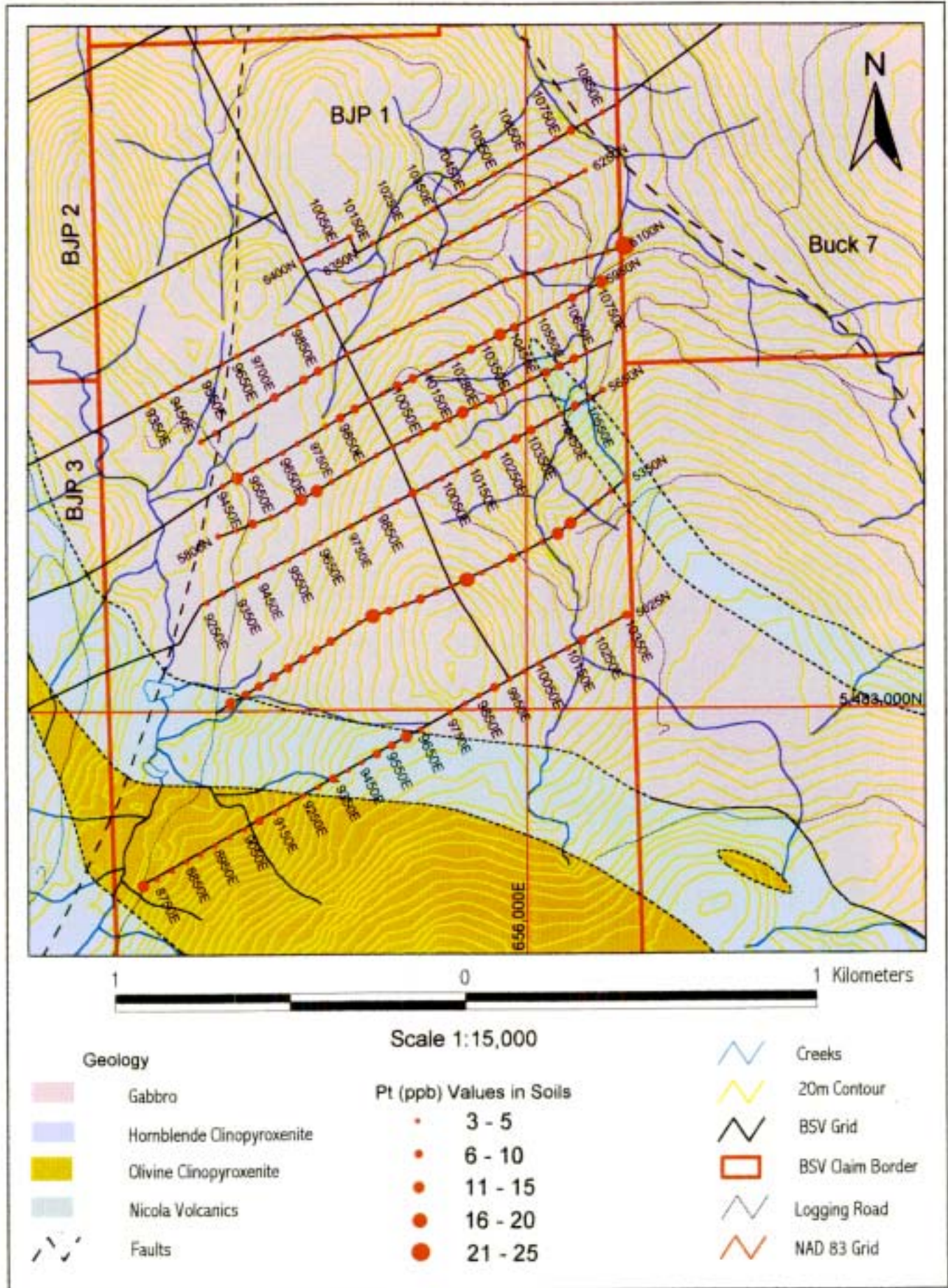
1 0 1 Kilometers

Scale 1:15,000

- |                |                            |                                 |         |  |                  |
|----------------|----------------------------|---------------------------------|---------|--|------------------|
| <b>Geology</b> |                            | <b>Pd (ppb) Values in Soils</b> |         |  |                  |
|                | Gabbro                     |                                 | 3 - 5   |  | Creeks           |
|                | Hornblende Clinopyroxenite |                                 | 6 - 10  |  | 20m Contour      |
|                | Olivine Clinopyroxenite    |                                 | 11 - 20 |  | BSV Grid         |
|                | Nicola Volcanics           |                                 | 21 - 40 |  | BSV Claim Border |
|                | Faults                     |                                 | 41 - 80 |  | Logging Road     |
|                |                            |                                 |         |  | NAD 83 Grid      |



Figure 6d. Grid Two : B-Horizon Pt (ppb) in Soils



Au anomaly on L 5950N at station 10300E. One isolated anomalous value of 80 ppb Pd occurs on L 5650N at 9750E and corresponds with anomalous Pt and Cu.

Figure 6d. indicates the distribution of Pt (ppb) in soils over the BJP 1 claim. There are no distinctive anomalous zones and there is a random distribution of isolated single point Pt highs with nothing around them to indicate any obvious mineralized trends.

## **8.0 IP Geophysics Survey**

SJ Geophysics conducted a pole-dipole IP survey on the property during the week of August 9<sup>th</sup> to 14<sup>th</sup>, 2002. A team of five men stayed at bright Star's field camp located immediately northeast of Grid 2. Four wheel drive trucks and quads were used to move equipment from line to line.

The instrumentation used was an Elrec 10 IP receiver with the VIP4000 IP Transmitter. The arrays deployed were eight (8) receiving dipoles in an expanded array (25m, 50m, 50m, 50m, 50m, 100m, 100m). Current electrode moves were 50 meters. This configuration was designed to test the chargeability and resistivity features over the gabbro and pyroxenite units in order to determine these signatures related to surface geochemical anomalies.

## **9.0 Discussion of IP Geophysics Survey**

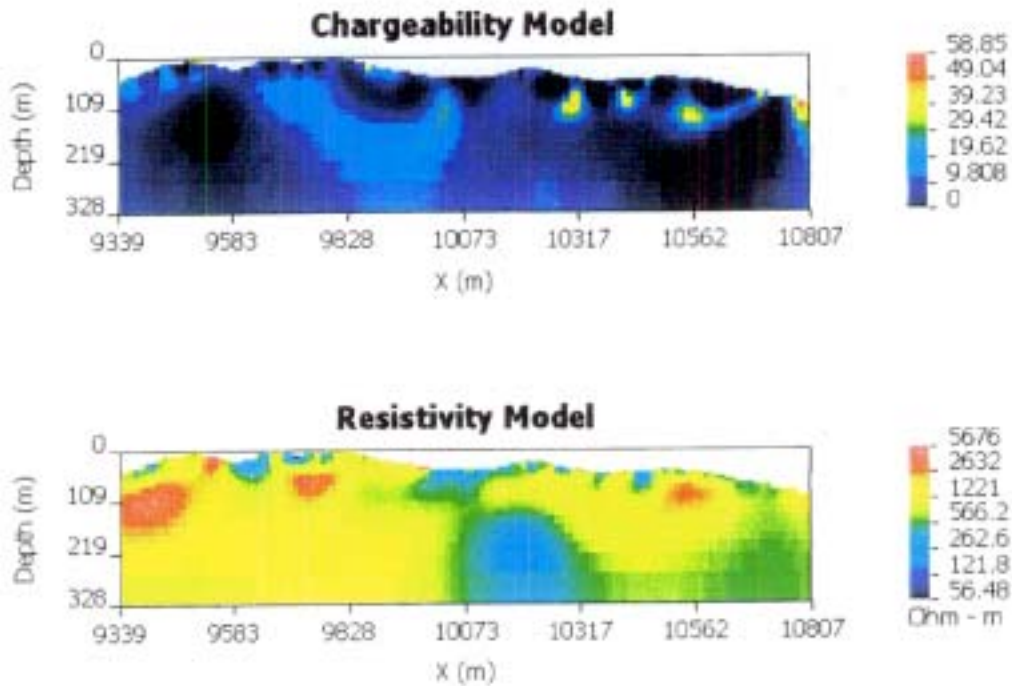
Figures 7a, 7b, 7c and 7d are pseudosections for Lines 6250N, 6100N, 5950N, 5800N, 5650N, 5350N, and 5025N. each of these sections indicate the chargeability and resistivity responses across the gabbro, hornblende clinopyroxenite and olivine clinopyroxenite. Several complex chargeability and resistivity responses indicate that the geology of this area underlying the geochemical anomaly is more complex than the preliminary geological interpretation. Deep overburden prevented these features from being fully explained, and will require further assessment in order to develop drill targets in this area.

## **10.0 Conclusions and Recommendations**

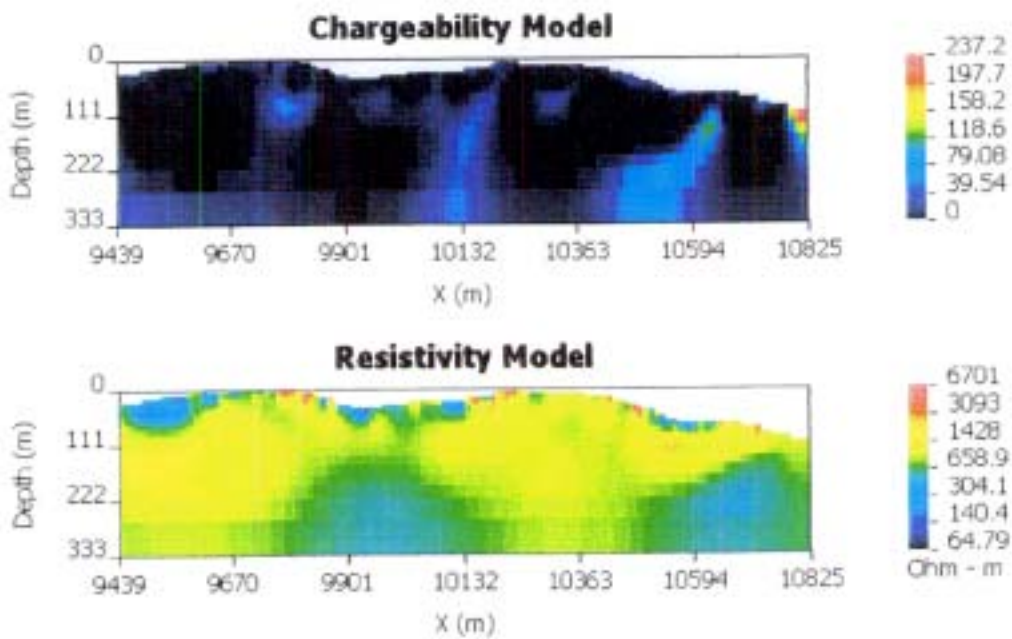
A deep overburden drilling program is required to test a B-horizon geochemistry anomaly at depth (bedrock interface) where there appears to be interesting chargeability and resistivity IP geophysical features. Exploration work will be continued on the BJP 1,2 and 3 claims during the 2003 program, which will include further soil and rock sampling surveys, deep overburden drilling and diamond drilling to test these anomalies. A 100,000. budget will be planned for additional work on the Grid 2 area in conjunction with the surrounding Bright Star Ventures properties.



**Figure 7a. IP Pseudosections for L6250N and L6100N**

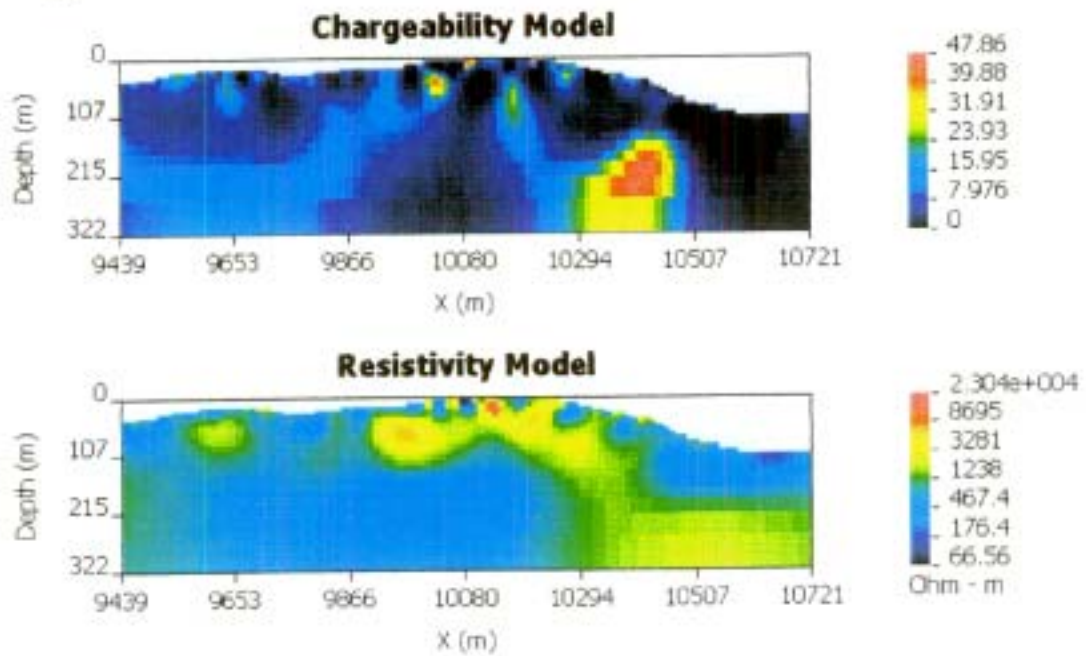


Line 6250 N



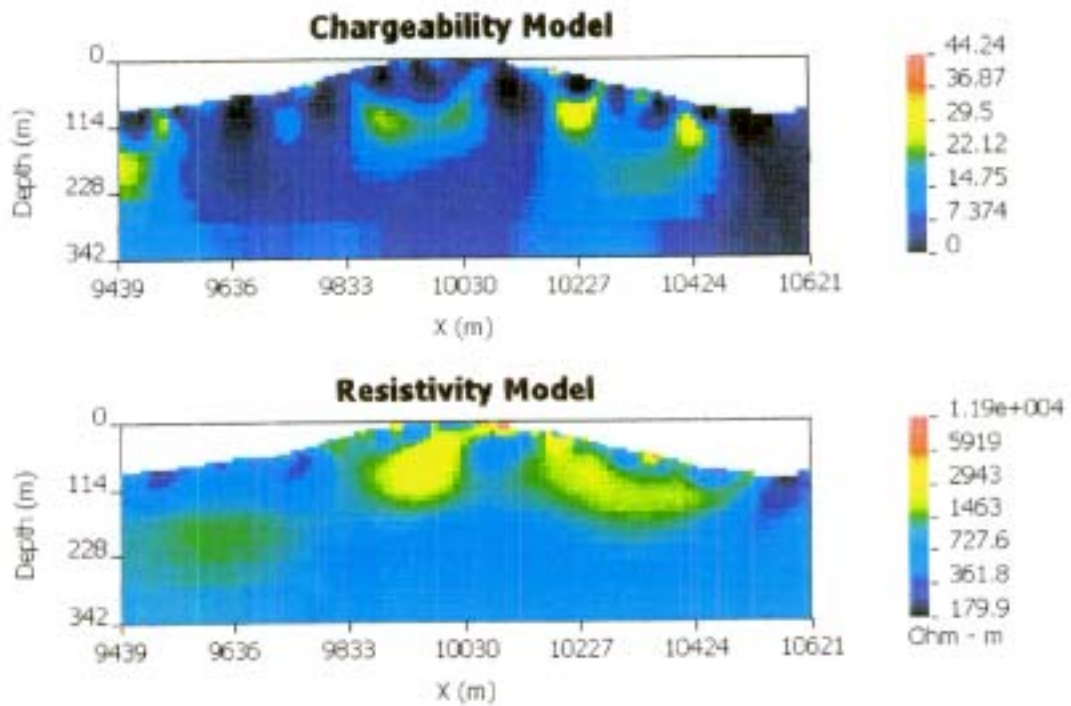
Line 6100 N

**Figure 7b. IP Pseudosections for L5950N and L5800N**



Line 5950 N

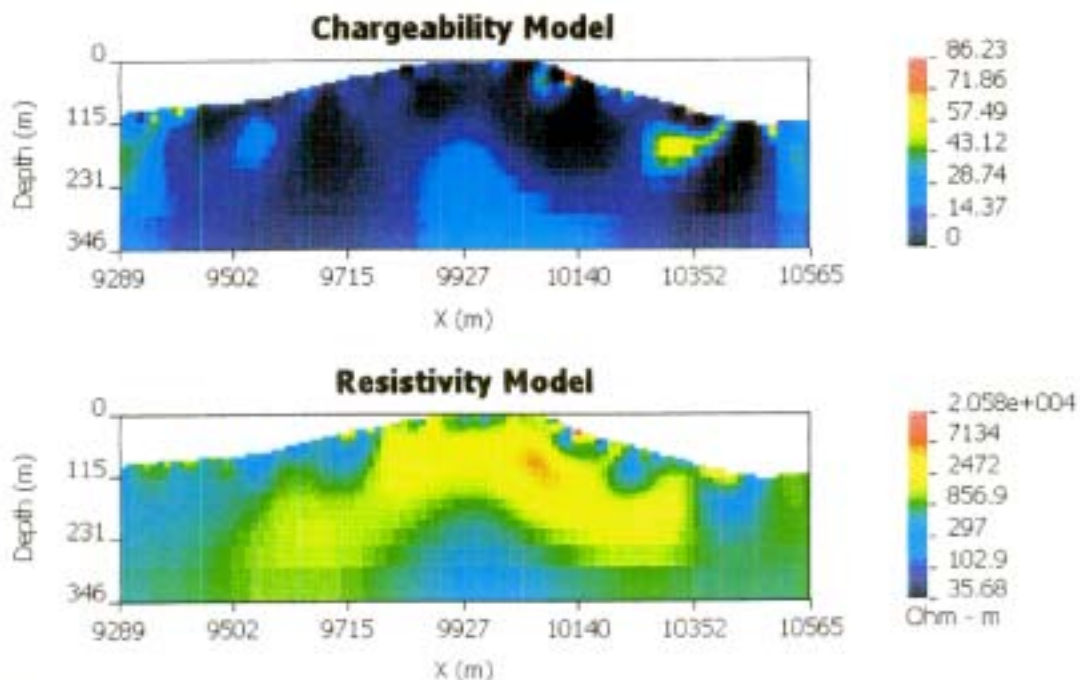
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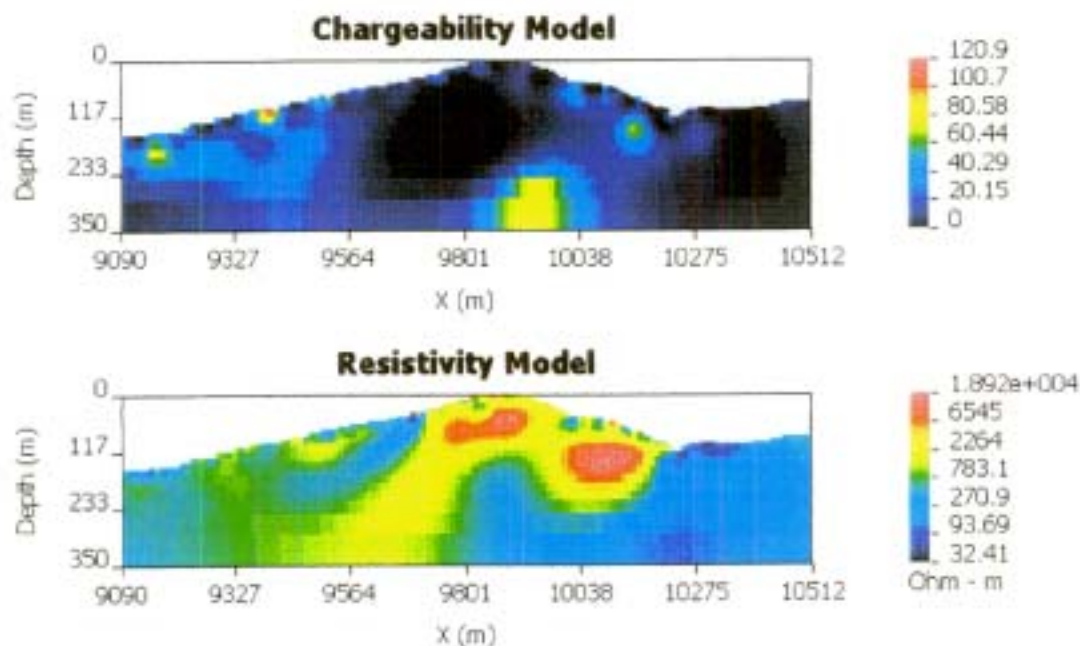
Line 5800 N



Figure 7c. IP Pseudosections for L5650N and L5350N

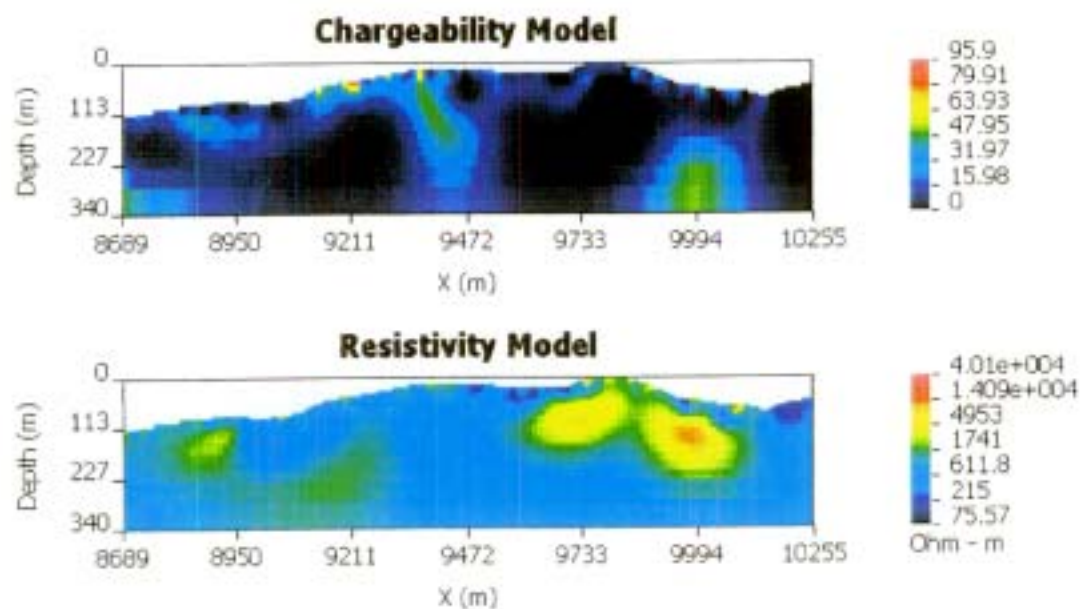


Line 5650 N



Line 5350 N

**Figure 7d. IP Pseudosections for L5025N**



Line 5025 N

## 11.0 References

- Camsell, Charles, 1912. Note on the Occurrence of Diamonds at Tulameen, and Scottie Creek near Ashcroft, B.C. Geological Survey of Canada, Summary Report, 1911, p.123 and 124.
- Camsell, Charles, 1913. Geology and Mineral Deposits of the Tulameen District. Geological Survey, Department of Mines, Ottawa, Memoir No. 26.
- Evenchick, C.A., Monger, J.W.H., and Friday, S.J. (1986): Potential Hosts of Platinum Group Element Concentrations in the Canadian Cordillera; Geological Survey of Canada Open File 1433.
- Findlay, D.C., 1969. Origin of the Tulameen ultramafic complex, Southern British Columbia. Canadian Journal of Earth Sciences, p. 399-425
- Monger, J.W.H., 1985. Structural Evolution of the Southwestern Intermontaine Belt, Ashcroft and Hope Map Area, British Columbia; in Current Research, Part A, Geological Survey of Canada, Paper 85-1A, pages 349 – 358.
- Monger, J.W.H., 1989 Geology, Hope, British Columbia. Geological Survey of Canada, Map 41-1989, Sheet 1, Scale 1:250,000.
- Nixon G.T. and Rublee, V.J., 1988. Alaskan-type Ultramafic Rocks in British Columbia: New Concepts of the Structure of the Tulameen Complex. B.C. Ministry of Energy Mines and Petroleum Resources, Geological Field Work, 1987, Paper 1988-1, p.281-294.
- Nixon, G.T., 1987. Geology and Precious Metal Potential of Mafic-Ultramafic Rocks in British Columbia; Current Progress. B.C. Ministry of Energy, Mines and Petroleum Resources, Geological Fieldwork 1989, Paper 1990-1, p.353-358.
- Nixon, G.T., 1988. Geology of the Tulameen Complex. B.C. Ministry of Energy, Mines and Petroleum Resources, Open File 1988-25, 94 pages.
- Nixon, G.T., Hammack, J.L., Ash, C.H., Cabri, L.J., Case, G., Connelly, J.N., Heaman, L.M., Laflamme, J.H.G., Nuttall, C., Paterson, W.P.E., and Wong, R.H., Geology and Platinum-Group-Element Mineralization of Alaska-Type Ultramafic-Mafic Complexes In British Columbia. British Columbia Ministry of Employment and Investment Energy and Minerals Division, Geological Survey Branch. Bulletin 93. 141 p. + maps
- Nixon, G.T., (1990). Geology and Precious Metal Potential of Mafic-Ultramafic Rocks in British Columbia: Current Progress; in Geological Fieldwork 1989, B.C. Ministry of Energy, Mines and Petroleum Resources, Paper 1990-1, pages 353-358
- ONEILL, J.J. and H.C.Gunning, 1934. Platinum and Allied Metal Deposits of Canada. Geological Survey of Canada, Economic Geology Ser., No.13, p. 22-25 and 89-99.

Rice, H.M.A., 1960. Geology and Mineral Deposits of the Princeton Map-Area, British Columbia. Memoir 243, Geol. Surv. Canada, 136p..

Roed, M.A., (1992). Geological Branch Assessment Report. Economic geology J and L Claims, Olivine Mountain, British Columbia for Richard Chapman, by Geoterrain Consultants, Foxview Management Limited, Kelowna, B.C. 45 p. + 12 Figures

Rublee, V.J., (1986). Occurrence and Distribution of Platinum Group Elements in British Columbia; B.C. Ministry of Energy, Mines and Petroleum Resources, Open File 1986-7, 94 pages.

Rublee, V.J., (1994). Chemical Petrology, Mineralogy and Structure of the Tulameen Complex, Princeton Area, British Columbia; M. Sc. Thesis, University of Ottawa, Ottawa, Ontario. 183 pages.

St. Louis, Robert M., 1982. Platinoids in the Tulameen Ultramafic Complex. In Geologic Field Work, 1981, B.C. Ministry of Energy, Mines and Petroleum, Geological Branch, Mineral Resource Division, p. 218 - 222.

St. Louis, R.M., Nesbitt, B.E., and Morton, R.D., 1986. Geochemistry of Platinum Group Elements in the Tulameen Ultramafic Complex, Southern British Columbia, Economic Geology, Volume 81, p.961-973.

Taylor, H.P. Jr., 1967. The Zoned Ultramafic Complexes of Southeastern Alaska; in ultramafic and related Rocks, P.J. Wyllie, Editor, John Wiley and Sons Inc., New York, pages 97 - 121.

Taylor, David P., 1986. Geological Assessment Report on the Hop 1-8 (2017-2024(9)), Lodestone Mountain, British Columbia, Similkameen Mining Division, for Gordon Webster and Platonia Developments Inc. Geological Assessment Report 15,106, 5p.

Taylor, David P., 1988. Geological Report on the Hop and J.R. Claims, Lodestone Mountain, British Columbia, Similkameen Mining Division, owned by Sun-Gold Developments International Corp. Geological Assessment Report 17,986., 16p.

White, G.V., 1987. Olivine Potential in the Tulameen Ultramafic Complex, Preliminary Report (92 H/10). B.C. Ministry of Energy, Mines and Petroleum Resources, Geological Fieldwork 1986, Paper 1987-1, pp. 303-307.

**Appendix A**

## Summary of Expenses – Grid 2 Survey

For Period July 10<sup>th</sup> – August 7<sup>th</sup>, 2002

Line-cutting, soil sampling, truck, saws, radio rental  
3-man crew – Coast Mountain Geological 22,030.00

Assay Costs – Eco-Tech laboratories 4,930.35

Room and board – 5 men 29 days @ 25.00/day 5,075.00

Food – 5 men 29 days @ 35.00 per day 3,625.00

1 BSV Geotech 20 days supervision @ 175.00/day 3,500.00

1 BSV Geotech – 20 days truck rental @ 65.00 /day 1,300.00

1 IP Crew – 6 days for 5 man crew @ 2,250.00/day 13,500.00

For Period December 16<sup>th</sup>-21<sup>st</sup>, 2002

1 Geologist - 6 days data compilation, report @ 375.00/day 2,250.00

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**Total = 56,210.35**

**Appendix B**

**BRIGHT STAR VENTURES**  
Suite 205-555 Burrard Street  
Po Box 218  
Vancouver, BC, V7X 1M7

11-Sep-02

Attention: Accounts Payable

## 2002 INVOICE

INVOICE #:AK 02-294

DESCRIPTION	PRICE / SAMPLE	AMOUNT
<i>PROJECT #: Tulameen</i>		
401 SAMPLE PREP (SOIL)	0.95	380.95
401 AU/PD/PT 30G PKG GEOCHEM	13.50	5413.50
401 MULTI-ELEMENT ICP	6.50	2606.50
	<b>SUBTOTAL:</b>	<b>8400.95</b>
	<b>&amp; 7% G.S.T:</b>	<b>588.07</b>
	<b>TOTAL DUE &amp; PAYABLE UPON RECEIPT:</b>	<b>8989.02</b>

*Note: There are 52 samples from Grid 2 in this batch.*

**THANK YOU!!**

**G.S.T. REGISTRATION NUMBER R101565356**

**TERMS: NET 30 DAYS. INTEREST AT RATE OF 1 1/2 PER MONTH (18% PER ANNUM)**  
**WILL BE CHARGED ON OVERDUE ACCOUNTS.**



## CERTIFICATE OF ANALYSIS AK 2002-294

**BRIGHT STAR VENTURES**  
Suite 205 - 555 Burrard Street  
Po Box 218  
Vancouver, BC, V7X 1M7

06-Sep-02

**ATTENTION: Bill Yeomans**

*No. of samples received: 402*

*Sample Type: Soil*

*Project #: Tulameen*

*Shipment #: S-2/S-3*

*Samples submitted by: Bright Star Ventures*

ET #.	Tag #		Au (ppb)	Pd (ppb)	Pt (ppb)
1	6100N 10800 E		10	<5	25
2	6250N 9350 E		<5	<5	<5
3	6250N 9400 E		<5	<5	<5
4	6250N 9450 E		5	<5	<5
5	6250N 9500 E		<5	<5	<5
6	6250N 9550 E		<5	<5	5
7	6250N 9600 E		<5	5	<5
8	6250N 9650 E		<5	<5	5
9	6250N 9700 E		<5	<5	<5
10	6250N 9750 E	Swamp	No Sample		
11	6250N 9800 E		<5	<5	<5
12	6250N 9850 E		<5	<5	5
13	6250N 9900 E		<5	<5	<5
14	6250N 9950 E		<5	5	5
15	6250N 10000 E		<5	10	<5
16	6250N 10050 E		<5	<5	<5
17	6250N 10100 E		<5	<5	<5
18	6250N 10150 E		<5	10	<5
19	6250N 10200 E		<5	5	<5
20	6250N 10250 E		<5	<5	<5
21	6250N 10300 E		10	<5	<5
22	6250N 10350 E		5	5	<5
23	6250N 10400 E		<5	<5	5
24	6250N 10450 E		5	<5	<5
25	6250N 10500 E		10	<5	<5
26	6250N 10550 E		5	<5	<5
27	6250N 10600 E		<5	<5	<5
28	6250N 10650 E		<5	<5	<5

BRIGHT STAR VENTURES AK2-2002-294

06-Sep-02

ET #.			Au (ppb)	Pd (ppb)	Pt (ppb)
29	6250N	10700 E	<5	<5	5
30	6250N	10750 E	5	<5	<5
31	6250N	10800 E	<5	<5	5
32	6250N	10850 E	<5	<5	<5
33	6250N	10900 E	<5	<5	<5
34	6350N	10250 E	10	<5	<5
35	6350N	10300 E	<5	<5	5
36	6350N	10350 E	<5	5	<5
37	6350N	10400 E	<5	<5	<5
38	6350N	10450 E	<5	<5	<5
39	6350N	10500 E	<5	<5	<5
40	6350N	10550 E	10	<5	<5
41	6350N	10600 E	<5	<5	<5
42	6350N	10650 E	<5	<5	<5
43	6350N	10700 E	<5	<5	5
44	6350N	10750 E	<5	<5	5
45	6350N	10800 E	<5	<5	10
46	6350N	10850 E	<5	<5	<5
47	6350N	10900 E	<5	<5	5
48	6350N	10950 E	<5	<5	<5
49	6400N	9950 E	<5	5	<5
50	6400N	10000 E	<5	<5	<5
51	6400N	10050 E	<5	<5	<5
52	6400N	10100 E	<5	<5	<5
53	6400N	10150 E	<5	<5	<5
54	6400N	10200 E	<5	<5	<5



September 9, 2002

ECO TECH LABORATORY LTD.  
10041 Dallas Drive  
KAMLOOPS, B.C.  
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 2002-294

BRIGHT STAR VENTURES  
Suite 205 - 555 Burrard Street  
Po Box 218  
Vancouver, BC, V7X 1M7

Phone: 250-573-5700  
Fax : 250-573-4557

ATTENTION: Bill Yeomans

No. of samples received: 402  
Sample Type: Soil  
Project #: Tulameen  
Shipment #: S-3  
Samples submitted by: Bright Star Ventures

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Tl %	U	V	W	Y	Zn
1	6100N 10800 E	<0.2	2.41	<5	150	5	0.58	<1	24	64	72	4.50	20	1.01	955	<1	0.02	41	1070	8	<5	<20	38	0.18	<10	114	<10	11	95
2	6250N 9350 E	<0.2	2.38	<5	75	5	0.49	<1	30	58	97	4.83	10	1.24	392	<1	0.01	30	1690	6	<5	<20	44	0.24	<10	149	<10	8	76
3	6250N 9400 E	<0.2	2.13	<5	75	<5	0.49	<1	28	57	82	4.83	10	1.05	399	<1	0.01	33	1990	6	<5	<20	48	0.23	<10	147	<10	8	81
4	6250N 9450 E	<0.2	2.02	<5	65	<5	0.46	<1	27	65	60	4.93	10	0.93	474	<1	0.01	29	2170	4	<5	<20	43	0.21	<10	139	<10	6	93
5	6250N 9500 E	<0.2	1.94	<5	125	5	0.45	<1	25	45	94	3.99	10	1.19	579	<1	0.01	21	1240	8	<5	<20	42	0.22	<10	126	<10	7	68
6	6250N 9550 E	<0.2	2.09	<5	55	<5	0.60	<1	28	41	107	4.42	10	1.44	831	<1	<0.01	20	2380	4	<5	<20	49	0.23	<10	138	<10	7	85
7	6250N 9600 E	<0.2	2.24	<5	100	<5	0.60	<1	29	42	140	4.72	10	1.46	579	<1	<0.01	19	1850	4	<5	<20	45	0.21	<10	163	<10	7	84
8	6250N 9650 E	<0.2	1.99	<5	65	<5	0.34	<1	24	51	73	4.23	<10	0.94	334	<1	0.01	23	1490	6	<5	<20	36	0.21	<10	129	<10	7	69
9	6250N 9700 E	<0.2	1.87	<5	90	5	0.28	<1	23	69	40	4.33	<10	0.85	573	<1	0.01	26	1280	6	<5	<20	34	0.20	<10	123	<10	6	74
10	6250N 9750 E Swamp	No Sample																											
11	6250N 9800 E	<0.2	1.92	<5	95	5	0.41	<1	24	39	83	3.72	<10	1.00	320	<1	0.01	21	2100	6	<5	<20	40	0.19	<10	116	<10	6	65
12	6250N 9850 E	<0.2	2.25	<5	90	5	0.56	<1	35	57	102	5.34	10	1.63	1196	<1	0.01	30	2190	4	<5	<20	42	0.25	<10	184	<10	8	106
13	6250N 9900 E	<0.2	2.47	<5	155	<5	0.97	<1	45	179	83	5.96	20	2.53	742	<1	0.01	82	2280	4	<5	<20	76	0.25	<10	180	<10	7	88
14	6250N 9950 E	<0.2	2.36	<5	120	5	0.53	<1	41	207	79	5.84	20	2.12	699	<1	<0.01	76	1910	6	<5	<20	49	0.26	<10	150	<10	7	100
15	6250N 10000 E	<0.2	1.76	<5	135	<5	0.51	<1	27	85	59	4.37	10	1.19	677	<1	0.01	36	1790	6	<5	<20	40	0.21	<10	129	<10	6	78
16	6250N 10050 E	<0.2	2.29	<5	95	<5	0.30	<1	22	39	48	4.09	10	0.89	473	<1	0.01	20	1630	8	<5	<20	28	0.15	<10	120	<10	6	87
17	6250N 10100 E	<0.2	2.31	<5	170	<5	0.69	<1	34	90	104	5.47	10	1.56	521	<1	0.01	42	1540	6	<5	<20	49	0.22	<10	166	<10	8	84
18	6250N 10150 E	<0.2	2.41	<5	340	5	1.02	<1	34	37	86	5.60	20	2.10	1128	<1	<0.01	20	2600	6	<5	<20	48	0.23	<10	183	<10	13	100
19	6250N 10200 E	<0.2	1.60	<5	115	5	0.38	<1	15	38	24	3.05	<10	0.69	271	<1	0.02	19	1060	6	<5	<20	23	0.13	<10	80	<10	4	53
20	6250N 10250 E	<0.2	2.92	<5	125	5	0.39	<1	30	43	73	5.02	10	1.57	1016	<1	0.02	23	2180	8	<5	<20	21	0.25	<10	148	<10	7	110
21	6250N 10300 E	<0.2	2.94	<5	185	<5	0.48	<1	30	61	135	4.69	10	1.66	1011	<1	0.02	27	2050	6	<5	<20	28	0.22	<10	130	<10	7	104
22	6250N 10350 E	<0.2	2.34	<5	265	<5	0.59	<1	25	41	50	4.24	10	1.12	596	<1	0.02	20	1310	8	<5	<20	38	0.19	<10	120	<10	7	85
23	6250N 10400 E	<0.2	3.51	<5	445	5	0.80	<1	34	45	155	5.43	30	1.84	1017	<1	0.02	30	1110	8	<5	<20	90	0.25	<10	160	<10	17	107
24	6250N 10450 E	<0.2	2.32	<5	285	<5	0.64	<1	25	40	78	4.11	20	1.29	555	<1	0.02	22	410	6	<5	<20	42	0.19	<10	112	<10	8	79
25	6250N 10500 E	<0.2	1.88	<5	115	<5	0.40	<1	17	35	46	3.30	10	0.75	441	<1	0.02	20	940	4	<5	<20	33	0.11	<10	85	<10	10	59

El #.	Tag #	Ag	Al %	As	Ba	Bi	Cs %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Tl %	U	V	W	Y	Zn
26	6250N 10600 E	<0.2	2.27	<5	100	<5	0.40	<1	24	41	60	3.97	10	1.19	631	<1	0.02	24	1200	6	<5	<20	31	0.18	<10	114	<10	6	84
27	6250N 10600 E	<0.2	2.09	<5	150	<5	0.48	<1	22	46	39	4.00	10	0.90	802	<1	0.02	34	1030	6	<5	<20	29	0.14	<10	103	<10	4	84
28	6250N 10650 E	<0.2	2.05	<5	150	10	0.54	<1	18	37	38	3.46	20	0.66	351	<1	0.02	19	630	10	<5	<20	36	0.18	<10	94	<10	8	63
29	6250N 10700 E	<0.2	2.62	<5	205	10	0.70	<1	23	43	81	3.83	20	1.08	1140	<1	0.03	31	730	10	<5	<20	50	0.20	<10	99	<10	16	91
30	6250N 10750 E	0.2	3.50	<5	335	5	0.98	<1	20	53	89	4.16	30	0.76	1478	<1	0.03	40	520	12	<5	<20	59	0.19	<10	98	<10	23	70
31	6250N 10800 E	<0.2	2.37	<5	135	<5	0.43	<1	23	58	53	4.05	10	0.91	328	<1	0.03	39	920	6	<5	<20	28	0.16	<10	92	<10	9	64
32	6250N 10850 E	<0.2	2.31	<5	175	5	0.62	<1	20	51	55	3.42	10	0.88	245	<1	0.03	36	850	8	<5	<20	33	0.18	<10	110	<10	9	59
33	6250N 10900 E	<0.2	1.20	<5	80	<5	0.31	<1	15	48	23	3.72	10	0.54	129	<1	0.02	18	530	4	<5	<20	22	0.17	<10	112	<10	5	33
34	6350N 10250 E	<0.2	2.55	<5	140	<5	0.38	<1	29	40	70	4.91	20	1.47	551	<1	0.02	19	1210	6	<5	<20	29	0.19	<10	153	<10	6	88
35	6350N 10300 E	<0.2	2.46	<5	160	10	0.49	<1	30	65	96	4.26	20	1.78	900	<1	0.02	24	2030	6	<5	<20	27	0.26	<10	113	<10	7	96
36	6350N 10350 E	<0.2	2.66	<5	190	5	0.46	<1	30	42	103	4.74	10	1.75	683	<1	0.02	21	2430	6	<5	<20	26	0.22	<10	146	<10	7	109
37	6350N 10400 E	<0.2	2.96	<5	155	5	0.46	<1	25	40	73	4.30	20	1.19	554	<1	0.02	23	1570	10	<5	<20	47	0.20	<10	109	<10	9	99
38	6350N 10450 E	<0.2	2.52	<5	245	5	0.86	<1	32	42	96	5.09	30	1.80	1130	<1	0.02	25	1620	6	<5	<20	64	0.25	<10	149	<10	13	99
39	6350N 10500 E	<0.2	2.56	<5	270	10	0.54	<1	21	44	52	3.81	20	0.86	353	<1	0.03	28	570	10	<5	<20	42	0.21	<10	89	<10	16	59
40	6350N 10550 E	<0.2	2.57	<5	125	10	0.36	<1	30	32	32	5.73	20	1.53	473	<1	0.02	14	3040	10	<5	<20	43	0.32	<10	166	<10	9	131
41	6350N 10600 E	<0.2	2.44	<5	90	10	0.37	<1	25	37	66	4.09	10	0.98	406	<1	0.02	21	1270	6	<5	<20	29	0.20	<10	111	<10	8	81
42	6350N 10650 E	<0.2	2.49	<5	165	5	0.38	<1	23	49	54	3.91	20	0.87	389	<1	0.02	32	820	10	<5	<20	30	0.17	<10	96	<10	9	71
43	6350N 10700 E	<0.2	2.17	<5	85	5	0.33	<1	22	38	58	4.13	10	1.12	401	<1	0.02	18	1400	6	<5	<20	28	0.20	<10	110	<10	6	101
44	6350N 10750 E	<0.2	1.50	<5	125	<5	0.63	<1	24	65	61	5.44	20	0.80	297	<1	0.02	30	1890	<2	<5	<20	35	0.19	<10	157	<10	7	46
45	6350N 10800 E	<0.2	1.13	<5	70	<5	0.36	<1	18	61	29	4.91	20	0.57	138	<1	0.02	21	1570	<2	<5	<20	22	0.17	<10	140	<10	5	36
46	6350N 10850 E	<0.2	1.94	<5	120	<5	0.35	<1	17	56	27	3.43	10	0.73	325	<1	0.02	35	1670	6	<5	<20	24	0.13	<10	78	<10	5	57
47	6350N 10900 E	<0.2	2.22	<5	95	<5	0.34	<1	20	51	29	3.60	10	0.72	477	<1	0.02	31	1840	8	<5	<20	20	0.15	<10	82	<10	7	108
48	6350N 10950 E	<0.2	1.75	<5	80	<5	0.52	<1	17	42	27	3.65	10	0.69	208	<1	0.02	21	600	6	<5	<20	24	0.14	<10	97	<10	7	50
49	6400N 9950 E	<0.2	2.39	<5	155	5	0.95	<1	44	177	87	5.85	20	2.46	719	<1	0.02	81	2220	2	<5	<20	76	0.25	<10	176	<10	8	85
50	6400N 10000 E	<0.2	1.54	<5	180	10	0.51	<1	28	187	40	4.89	20	1.43	389	<1	0.02	54	1110	4	<5	<20	54	0.26	<10	134	<10	8	68
51	6400N 10050 E	<0.2	2.38	<5	160	5	0.58	<1	38	204	114	5.82	30	2.14	536	<1	0.02	76	1630	6	<5	<20	51	0.31	<10	177	<10	9	71
52	6400N 10100 E	<0.2	2.40	<5	70	10	0.58	<1	29	43	74	4.49	10	1.49	523	<1	0.03	22	1780	12	<5	<20	59	0.23	<10	151	10	10	85
53	6400N 10150 E	<0.2	2.53	<5	90	<5	1.29	<1	40	45	123	5.94	20	2.53	1155	<1	0.02	31	2740	4	<5	<20	55	0.25	<10	208	<10	9	116
54	6400N 10200 E	<0.2	1.83	<5	130	<5	0.45	<1	23	36	91	3.98	<10	0.88	1317	<1	0.02	18	1720	8	<5	<20	33	0.20	<10	120	<10	5	100

**BRIGHT STAR VENTURES**  
Suite 205-555 Burrard Street  
Po Box 218  
Vancouver, BC, V7X 1M7

27-Aug-02

Attention: Accounts Payable

## 2002 INVOICE

INVOICE #:AK 02-260

<i>DESCRIPTION</i>	<i>PRICE / SAMPLE</i>	<i>AMOUNT</i>
<i>PROJECT #: Tulameen</i>		
168 SAMPLE PREP (SOIL)	0.95	159.60
168 AU/PD/PT 30G PKG GEOCHEM	13.50	2268.00
168 MULTI-ELEMENT ICP	6.50	1092.00
	<i>SUBTOTAL:</i>	<u>3519.60</u>
	<i>&amp; 7% G.S.T.:</i>	246.37
	<b>TOTAL DUE &amp; PAYABLE UPON RECEIPT:</b>	<b><u>3765.97</u></b>

**THANK YOU!!**

**G.S.T. REGISTRATION NUMBER R101565356**

**TERMS: NET 30 DAYS. INTEREST AT RATE OF 1 1/2 PER MONTH (18% PER ANNUM)  
WILL BE CHARGED ON OVERDUE ACCOUNTS.**

## CERTIFICATE OF ANALYSIS AK 2002-260

**BRIGHT STAR VENTURES**  
Suite 205 - 555 Burrard Street  
**Po Box 218**  
Vancouver, BC, V7X 1M7

26-Aug-02

**ATTENTION: Bill Yeomans**

*No. of samples received: 168*

*Sample Type: Soil*

*Project #: Tulameen*

*Shipment #: S-2*

*Samples submitted by: Bright Star Ventures*

ET #.	Tag #		Au (ppb)	Pd (ppb)	Pt (ppb)
1	5950N 9450	E	5	5	<5
2	5950N 9500	E	5	<5	15
3	5950N 9550	E	<5	<5	<5
4	5950N 9600	E	5	5	<5
5	5950N 9650	E	5	<5	5
6	5950N 9700	E	10	5	5
7	5950N 9750	E	5	<5	<5
8	5950N 9800	E	<5	<5	5
9	5950N 9850	E	5	<5	10
10	5950N 9900	E	5	5	10
11	5950N 9950	E	<5	<5	<5
12	5800N 9400	E	<5	<5	<5
13	5800N 9450	E	5	<5	<5
14	5800N 9500	E	10	<5	10
15	5800N 9550	E	5	<5	<5
16	5800N 9600	E	<5	<5	5
17	5800N 9650	E	5	<5	15
18	5800N 9700	E	10	10	15
19	5800N 9750	E	5	5	<5
20	5800N 9800	E	5	<5	5
21	5800N 9850	E	<5	<5	<5
22	5800N 9900	E	5	<5	<5
23	5800N 9950	E	<5	<5	<5
24	5650N 9300	E	<5	<5	<5
25	5650N 9350	E	10	<5	5
26	5650N 9400	E	<5	<5	<5
27	5650N 9450	E	5	5	<5
28	5650N 9500	E	<5	<5	<5

ET #.	Tag #		Au (ppb)	Pd (ppb)	Pt (ppb)
29	5650N	9550 E	5	<5	5
30	5650N	9600 E	5	<5	5
31	5650N	9650 E	<5	<5	<5
32	5650N	9700 E	5	<5	<5
33	5650N	9750 E	65	80	<5
34	5650N	9800 E	5	<5	<5
35	5650N	9850 E	5	5	<5
36	5650N	9900 E	<5	<5	5
37	5650N	9950 E	<5	5	10
38	5025N	8700 E	<5	<5	15
39	5025N	8750 E	10	<5	<5
40	5025N	8800 E	5	<5	5
41	5025N	8850 E	<5	<5	5
42	5025N	8900 E	<5	<5	5
43	5025N	8950 E	10	<5	5
44	5025N	9000 E	5	<5	<5
45	5025N	9050 E	5	<5	<5
46	5025N	9100 E	<5	<5	10
47	5025N	9150 E	5	<5	<5
48	5025N	9200 E	5	5	<5
49	5025N	9250 E	<5	<5	5
50	5025N	9300 E	5	<5	<5
51	5025N	9350 E	5	<5	10
52	5025N	9400 E	<5	<5	<5
53	5025N	9450 E	<5	<5	<5
54	5025N	9500 E	30	<5	10
55	5025N	9550 E	20	5	10
56	5025N	9600 E	15	<5	15
57	5025N	9650 E	20	<5	5
58	5025N	9700 E	NO SAMPLE		-
59	5025N	9750 E	<5	<5	<5
60	5025N	9800 E	<5	<5	5
61	5025N	9850 E	<5	<5	<5
62	5025N	9900 E	<5	<5	10
63	5025N	9995 E	<5	<5	5

64	5025N	10000	E	5	5	5
65	5025N	10050	E	<5	<5	5
66	5025N	10100	E	<5	<5	<5
67	5025N	10150	E	<5	<5	5
68	5025N	10200	E	<5	<5	10
69	5025N	10250	E	<5	<5	<5
70	5025N	10300	E	30	<5	5
71	5025N	10350	E	5	<5	10
72	5650N	10000	E	5	5	<5

BRIGHT STAR VENTURES AK 2002-260

26-Aug-02

ET #.	Tag #		Au (ppb)	Pd (ppb)	Pt (ppb)	
73	5650N	10050	E	<5	5	5
74	5650N	10100	E	15	10	5
75	5650N	10150	E	10	<5	<5
76	5650N	10200	E	20	<5	10
77	5650N	10250	E	10	5	5
78	5650N	10300	E	10	<5	10
79	5650N	10350	E	5	5	10
80	5650N	10400	E	5	<5	<5
81	5650N	10450	E	<5	<5	5
82	5650N	10500	E	15	<5	10
83	5650N	10550	E	10	<5	5
84	5650N	10600	E	5	<5	5
85	6100N	9450	E	10	20	5
86	6100N	9500	E	5	<5	5
87	6100N	9550	E	15	<5	<5
88	6100N	9600	E	5	5	<5
89	6100N	9650	E	10	<5	<5
90	6100N	9700	E	5	5	10
91	6100N	9750	E	10	10	5
92	6100N	9800	E	5	<5	10
93	6100N	9850	E	<5	<5	10
94	6100N	9900	E	10	15	<5
95	6100N	9950	E	5	<5	<5
96	6100N	10000	E	10	<5	5
97	6100N	10050	E	15	<5	<5
98	6100N	10100	E	5	<5	<5
99	6100N	10150	E	<5	10	<5
100	6100N	10200	E	10	<5	<5



101	6100N	10250	E	5	<5	<5
102	6100N	10350	E	5	<5	<5
103	6100N	10400	E	5	<5	5
104	6100N	10450	E	5	<5	<5
105	6100N	10500	E	5	<5	<5
106	6100N	10550	E	<5	<5	<5
107	6100N	10600	E	<5	<5	5
108	6100N	10650	E	<5	<5	5
109	6100N	10700	E	<5	<5	5
110	6100N	10750	E	<5	5	5
111	5350N	10000	E	<5	5	20
112	5350N	10050	E	5	10	5
113	5350N	10100	E	<5	5	5
114	5350N	10150	E	5	<5	10

BRIGHT STAR VENTURES AK 2002-260

26-Aug-02

ET #.	Tag #		Au (ppb)	Pd (ppb)	Pt (ppb)
115	5350N	10200 E	<5	5	5
116	5350N	10250 E	5	5	5
117	5350N	10300 E	10	5	15
118	5350N	10350 E	15	<5	15
119	5350N	10400 E	10	<5	<5
120	5350N	10450 E	5	<5	5
121	5350N	10500 E	5	<5	5
122	5350N	10550 E	<5	<5	<5
123	5800N	10000 E	55	10	5
124	5800N	10050 E	<5	<5	<5
125	5800N	10100 E	<5	5	10
126	5800N	10150 E	<5	<5	<5
127	5800N	10200 E	5	<5	15
128	5800N	10250 E	<5	<5	<5
129	5800N	10300 E	<5	5	10
130	5800N	10350 E	<5	5	5
131	5800N	10400 E	10	<5	<5
132	5800N	10450 E	10	<5	5
133	5800N	10500 E	5	5	10
134	5800N	10550 E	10	<5	10
135	5800N	10600 E	5	<5	10

136	5800N	10650	E	5	<5	5
137	5950N	10000	E	<5	<5	<5
138	5950N	10050	E	<5	<5	10
139	5950N	10100	E	5	<5	10
140	5950N	10150	E	5	<5	<5
141	5950N	10200	E	5	<5	5
142	5950N	10250	E	5	<5	5
143	5950N	10300	E	10	30	10
144	5950N	10350	E	5	10	5
145	5950N	10400	E	10	<5	15
146	5950N	10450	E	5	<5	10
147	5950N	10500	E	15	<5	5
148	5950N	10550	E	5	<5	<5
149	5950N	10600	E	10	<5	5
150	5950N	10650	E	15	<5	10
151	5950N	10700	E	10	<5	5
152	5950N	10750	E	5	<5	15
153	5350N	9200	E	5	<5	15
154	5350N	9250	E	15	<5	10
155	5350N	9300	E	5	<5	10
156	5350N	9350	E	10	<5	10

BRIGHT STAR VENTURES AK 2002-260

26-Aug-02

ET #.	Tag #		Au (ppb)	Pd (ppb)	Pt (ppb)
157	5350N	9400 E	10	<5	10
158	5350N	9450 E	15	<5	10
159	5350N	9500 E	5	5	10
160	5350N	9550 E	5	10	10
161	5350N	9600 E	15	10	<5
162	5350N	9650 E	15	10	5
163	5350N	9700 E	5	5	20
164	5350N	9750 E	10	5	10
165	5350N	9800 E	5	5	5
166	5350N	9850 E	5	<5	10
167	5350N	9900 E	5	<5	<5
168	5350N	9950 E	5	5	5

QC DATA:

**Repeat:**

1	5950N	9450	E	5	5	5
15	5800N	9550	E	<5	<5	5
26	5650N	9400	E	5	<5	<5
32	5650N	9700	E	<5	<5	<5
43	5025N	8950	E	<5	<5	5
48	5025N	9200	E	5	<5	5
59	5025N	9750	E	<5	<5	<5
65	5025N	10050	E	<5	<5	10
73	5650N	10050	E	5	5	5
82	5650N	10500	E	5	<5	<5
91	6100N	9750	E	10	5	<5
100	6100N	10200	E	5	<5	<5
106	6100N	10550	E	<5	<5	<5
115	5350N	10200	E	<5	10	10
126	5800N	10150	E	<5	<5	<5
137	5950N	10000	E	<5	<5	<5
141	5950N	10200	E	5	<5	5
154	5350N	9250	E	10	<5	10
162	5350N	9650	E	5	5	5

**Standard:**

PG101				140	<5	<5
PG101				120	<5	<5
PG101				125	<5	<5
PG101				135	<5	<5
PG101				125	<5	<5

JJ/kk  
XLS/02

**ECO TECH LABORATORY LTD.**

Jutta Jealouse

B.C. Certified Assayer

August 26, 2002

ECO TECH LABORATORY LTD.  
10041 Dallas Drive  
KAMLOOPS, B.C.  
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 2002-260

BRIGHT STAR VENTURES  
Suite 205 - 555 Burrard Street  
Po Box 218  
Vancouver, BC, V7X 1M7

Phone: 250-573-5700  
Fax : 250-573-4557

ATTENTION: Bill Yeomans

No. of samples received: 168  
Sample Type: Soil  
Project #: Tukameen  
Shipment #: S-2  
Samples submitted by: Bright Star Ventures

Values in ppm unless otherwise reported

El #.	Tag #	Mesh Size	Ag		As	Ba	Bi		Cd	Co	Cr	Cu		Fe %	La	Mg %		Mn	Mo	Na %		Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
			Ag	Al %			Bi	Ca %				Mg %	Na %																				
1	5950N 9450 E	<0.2	2.19	<5	280	<5	0.60	<1	34	126	74	5.02	<10	1.67	402	<1	0.01	52	860	8	<5	<20	54	0.19	<10	160	<10	9	56				
2	5950N 9500 E	<0.2	2.75	<5	135	<5	0.67	<1	38	98	234	5.26	10	2.16	680	<1	0.01	49	2260	10	<5	<20	51	0.21	<10	191	<10	10	79				
3	5950N 9550 E	<0.2	2.43	<5	165	5	0.39	<1	31	121	62	4.74	<10	1.73	366	<1	<0.01	42	1400	10	<5	<20	35	0.21	<10	152	<10	8	63				
4	5950N 9600 E	<0.2	2.17	<5	50	<5	0.57	<1	30	57	77	4.85	<10	1.35	482	<1	0.01	30	2170	8	<5	<20	45	0.19	<10	170	<10	7	82				
5	5950N 9650 E	<0.2	2.61	<5	50	<5	0.66	<1	39	44	176	6.26	<10	1.88	619	<1	0.01	28	2950	8	<5	<20	54	0.25	<10	262	<10	10	105				
6	5950N 9700 E	<0.2	2.54	<5	80	<5	0.72	<1	34	128	124	5.11	<10	2.06	731	<1	0.02	46	2760	8	<5	<20	52	0.20	<10	172	<10	8	106				
7	5950N 9750 E	<0.2	2.81	<5	85	5	0.98	<1	35	59	101	5.43	10	2.00	862	<1	0.01	31	2810	8	<5	<20	75	0.21	<10	213	<10	11	102				
8	5950N 9800 E	<0.2	2.43	<5	85	<5	0.83	<1	35	83	136	5.34	10	1.97	523	<1	0.01	41	2830	8	<5	<20	62	0.18	<10	175	<10	10	75				
9	5950N 9850 E	<0.2	2.36	<5	60	<5	0.62	<1	29	48	95	4.73	<10	1.43	408	<1	0.01	24	2270	10	<5	<20	78	0.19	<10	173	<10	9	76				
10	5950N 9900 E	<0.2	2.40	<5	115	<5	0.79	<1	30	48	160	4.38	10	1.57	793	<1	0.01	28	1610	10	<5	<20	99	0.18	<10	157	<10	10	85				
11	5950N 9950 E	<0.2	2.18	<5	70	5	0.48	<1	27	39	99	4.30	<10	1.45	577	<1	<0.01	24	2120	10	<5	<20	32	0.13	<10	150	<10	7	75				
12	5800N 9400 E	<0.2	1.93	<5	90	<5	0.36	<1	29	154	43	4.67	<10	1.22	352	<1	0.01	47	1070	6	<5	<20	32	0.15	<10	123	<10	6	55				
13	5800N 9450 E	<0.2	1.91	<5	60	<5	0.37	<1	23	101	42	4.02	<10	1.09	271	<1	0.01	36	1290	10	<5	<20	32	0.14	<10	115	<10	6	55				
14	5800N 9500 E	<0.2	2.13	<5	70	5	0.52	<1	29	67	70	4.80	<10	1.42	360	<1	<0.01	31	2180	8	<5	<20	49	0.18	<10	165	<10	7	72				
15	5800N 9550 E	0.4	2.08	<5	90	<5	0.37	<1	27	175	62	4.30	<10	1.41	241	<1	0.02	63	1370	8	<5	<20	33	0.14	<10	105	<10	6	60				
16	5800N 9600 E	<0.2	1.84	<5	90	10	0.46	<1	28	80	53	4.67	<10	1.28	321	<1	0.01	35	690	8	<5	<20	51	0.18	<10	153	<10	7	56				
17	5800N 9650 E	<0.2	1.72	<5	105	10	0.67	<1	31	83	38	4.59	<10	1.32	1374	<1	0.01	36	670	6	<5	<20	71	0.18	<10	128	<10	7	63				
18	5800N 9700 E	<0.2	2.56	<5	150	<5	1.31	<1	51	170	133	7.31	10	3.10	930	<1	0.01	82	2530	4	<5	<20	118	0.24	<10	222	<10	12	92				
19	5800N 9750 E	<0.2	2.13	<5	55	5	0.47	<1	28	61	100	4.32	<10	1.47	328	<1	<0.01	25	2180	8	<5	<20	45	0.19	<10	160	<10	7	63				
20	5800N 9800 E	<0.2	2.46	<5	145	5	0.42	<1	33	87	77	4.79	<10	1.66	457	<1	<0.01	41	1390	10	<5	<20	42	0.17	<10	166	<10	7	74				
21	5800N 9850 E	<0.2	2.51	<5	70	<5	0.69	<1	33	49	110	4.97	10	1.81	522	<1	0.01	27	2730	10	<5	<20	69	0.20	<10	186	<10	9	88				
22	5800N 9900 E	0.2	2.66	<5	95	<5	0.72	<1	33	48	120	4.82	<10	1.72	1136	<1	<0.01	28	2360	10	<5	<20	66	0.21	<10	175	<10	9	106				
23	5800N 9950 E	0.4	2.84	<5	180	5	0.67	<1	31	37	173	4.46	10	1.68	1166	<1	0.01	26	1160	14	<5	<20	77	0.21	<10	165	<10	11	102				
24	5650N 9300 E	<0.2	2.31	<5	105	10	0.42	<1	30	120	70	4.57	<10	1.56	312	<1	0.02	45	1330	8	<5	<20	35	0.18	<10	143	<10	7	69				
25	5650N 9350 E	<0.2	2.00	<5	60	10	0.33	<1	31	117	41	5.61	<10	1.22	205	<1	0.01	69	940	6	<5	<20	36	0.18	<10	160	<10	7	55				

Et #	Tag #	Mesh Size	ICP CERTIFICATE OF ANALYSIS AK 2002-260																												
			Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn	
26	5650N	9400 E	<0.2	1.56	<5	55	<5	0.31	<1	22	111	28	4.57	<10	0.87	185	<1	0.01	35	990	6	<5	<20	35	0.16	<10	126	<10	6	50	
27	5650N	9450 E	<0.2	2.09	<5	75	5	0.49	<1	35	168	51	5.92	<10	1.58	317	<1	0.02	59	2220	4	<5	<20	49	0.18	<10	160	<10	7	73	
28	5650N	9500 E	<0.2	1.74	<5	60	<5	0.37	<1	27	168	36	5.23	<10	1.23	216	<1	0.02	51	1540	4	<5	<20	50	0.16	<10	129	<10	6	52	
29	5650N	9550 E	<0.2	1.61	<5	95	5	0.39	<1	26	166	44	4.79	<10	1.30	228	<1	0.02	59	1420	6	<5	<20	38	0.15	<10	131	<10	6	55	
30	5650N	9600 E	0.2	2.10	<5	255	5	0.41	<1	31	153	93	4.25	<10	1.37	546	<1	0.02	131	300	8	<5	<20	53	0.16	<10	140	<10	9	54	
31	5650N	9650 E	<0.2	1.51	<5	70	<5	0.37	<1	35	293	37	4.43	<10	1.57	215	<1	0.01	100	730	6	<5	<20	35	0.14	<10	98	<10	5	53	
32	5650N	9700 E	0.2	1.72	<5	60	5	0.30	<1	23	87	48	4.33	<10	0.94	207	<1	0.01	35	1590	6	<5	<20	33	0.15	<10	129	<10	5	52	
33	5650N	9750 E	<0.2	2.03	<5	75	5	0.60	<1	24	44	79	3.80	<10	1.27	306	<1	0.01	21	1630	8	<5	<20	53	0.17	<10	141	<10	6	53	
34	5650N	9800 E	<0.2	2.18	<5	90	5	0.51	<1	26	75	107	4.11	<10	1.46	368	<1	0.01	20	1890	10	<5	<20	47	0.19	<10	149	<10	7	57	
35	5650N	9850 E	<0.2	2.34	<5	120	5	0.55	<1	29	40	102	4.05	<10	1.86	505	<1	<0.01	21	1810	10	<5	<20	47	0.19	<10	160	<10	7	69	
36	5650N	9900 E	<0.2	2.62	<5	75	5	0.68	<1	35	69	59	5.07	<10	1.83	682	<1	0.01	39	3160	8	<5	<20	64	0.21	<10	188	<10	8	104	
37	5650N	9950 E	<0.2	2.55	<5	85	5	0.58	<1	33	71	115	4.66	<10	1.68	560	<1	<0.01	39	2250	8	<5	<20	47	0.18	<10	154	<10	7	93	
38	5025N	8700 E	-48	<0.2	0.96	10	45	<5	0.36	<1	33	230	165	2.88	<10	1.51	447	<1	<0.01	74	450	4	<5	<20	17	0.09	<10	59	<10	7	30
39	5025N	8750 E		<0.2	1.54	<5	45	5	0.23	1	20	98	34	3.94	<10	0.70	153	<1	0.01	38	1110	6	<5	<20	23	0.13	<10	108	<10	5	37
40	5025N	8800 E		<0.2	1.55	<5	45	5	0.20	<1	16	77	25	3.49	<10	0.62	171	<1	0.01	25	930	8	<5	<20	21	0.14	<10	100	<10	5	36
41	5025N	8850 E		<0.2	1.45	<5	45	<5	0.28	<1	21	97	32	4.29	<10	0.73	168	<1	0.01	36	860	6	<5	<20	24	0.14	<10	122	<10	5	40
42	5025N	8900 E		<0.2	1.21	<5	40	10	0.26	<1	17	72	25	3.32	<10	0.60	143	<1	0.01	28	920	6	<5	<20	22	0.16	<10	97	<10	5	39
43	5025N	8950 E		<0.2	1.78	<5	70	10	0.37	<1	26	146	27	4.31	<10	1.15	296	<1	0.01	67	1340	6	<5	<20	27	0.18	<10	126	<10	6	57
44	5025N	9000 E	-42	<0.2	0.05	110	120	<5	2.27	<1	6	57	18	1.08	<10	0.19	1361	<1	<0.01	51	800	<2	<5	<20	24	0.03	<10	44	<10	<1	6
45	5025N	9050 E	-42	<0.2	0.09	<5	495	<5	3.56	<1	6	26	54	0.24	<10	0.45	2910	1	0.08	127	790	6	<5	<20	108	0.04	<10	38	<10	1	10
46	5025N	9100 E		<0.2	1.72	40	120	5	0.26	<1	28	195	38	3.73	<10	0.76	181	<1	0.02	124	190	6	<5	<20	24	0.13	<10	104	<10	5	31
47	5025N	9150 E		<0.2	0.46	<5	35	5	0.19	<1	12	112	6	2.07	<10	0.43	102	<1	<0.01	40	260	4	<5	<20	15	0.10	<10	50	<10	3	24
48	5025N	9200 E		<0.2	1.66	<5	35	10	0.20	<1	17	69	26	3.14	<10	0.61	113	<1	0.01	29	760	10	<5	<20	20	0.15	<10	90	<10	5	33
49	5025N	9250 E		<0.2	1.62	<5	50	5	0.26	<1	18	78	28	3.50	<10	0.73	154	<1	0.01	28	950	8	<5	<20	25	0.14	<10	106	<10	5	40
50	5025N	9300 E		<0.2	1.44	<5	90	<5	0.59	<1	20	69	41	3.05	<10	1.05	296	<1	0.02	40	610	8	<5	<20	39	0.13	<10	95	<10	6	40
51	5025N	9350 E		<0.2	2.30	<5	100	<5	0.44	<1	26	72	63	4.05	<10	1.07	216	<1	0.02	60	960	10	<5	<20	35	0.17	<10	122	<10	7	45
52	5025N	9400 E		<0.2	2.77	<5	90	5	0.44	<1	29	65	84	4.55	<10	1.30	306	<1	0.01	47	2820	12	<5	<20	33	0.20	<10	135	<10	7	103
53	5025N	9450 E		<0.2	2.10	<5	40	5	0.31	<1	25	66	52	3.85	<10	0.93	303	<1	0.01	30	1400	8	<5	<20	33	0.16	<10	113	<10	6	63
54	5025N	9500 E		<0.2	1.12	40	140	<5	0.45	<1	13	114	35	2.58	<10	0.48	538	<1	0.01	28	250	6	<5	<20	26	0.12	<10	84	<10	6	29
55	5025N	9550 E		<0.2	1.72	<5	50	10	0.41	<1	21	283	46	3.75	<10	1.34	224	<1	0.01	35	590	10	<5	<20	31	0.18	<10	107	<10	6	48
56	5025N	9600 E	-42	<0.2	0.05	<5	120	<5	2.85	<1	2	25	11	0.90	<10	0.25	81	<1	<0.01	11	640	<2	<5	<20	69	0.01	<10	34	<10	<1	4
57	5025N	9650 E		<0.2	1.56	<5	60	<5	0.35	<1	14	33	43	2.92	<10	0.66	170	<1	0.01	14	1360	10	<5	<20	34	0.14	<10	88	<10	5	45
58	5025N	9700 E		NO SAMPLE																											
59	5025N	9750 E		<0.2	2.30	<5	100	<5	0.56	<1	29	41	156	4.13	<10	1.51	472	<1	<0.01	23	1530	8	<5	<20	39	0.18	<10	152	<10	7	66
60	5025N	9800 E		<0.2	3.41	<5	200	5	0.87	<1	42	54	149	5.47	<10	2.65	793	<1	<0.01	33	3030	10	<5	<20	44	0.26	<10	213	<10	10	98

Et #	Tag #	Mesh Size																												
			Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
61	5025N 9850 E		<0.2	2.45	<5	45	<5	0.49	<1	26	38	155	4.40	<10	1.36	545	<1	0.01	20	2480	10	<5	<20	45	0.20	<10	141	<10	7	89
62	5025N 9800 E		<0.2	2.26	<5	65	10	0.38	<1	25	35	47	4.41	<10	1.51	398	<1	<0.01	17	1510	10	<5	<20	32	0.22	<10	164	<10	7	69
63	5025N 9995 E		<0.2	2.44	<5	70	<5	0.47	<1	27	52	80	4.49	<10	1.34	548	<1	0.01	27	2120	10	<5	<20	38	0.17	<10	150	<10	6	80
64	5025N 10000 E		<0.2	2.32	<5	65	5	0.44	<1	30	75	58	5.25	<10	1.36	288	<1	0.02	35	1020	8	<5	<20	39	0.20	<10	180	<10	8	56
65	5025N 10050 E		<0.2	1.92	<5	100	10	0.70	<1	26	70	21	4.58	<10	1.22	527	<1	0.03	31	3140	8	<5	<20	62	0.18	<10	133	<10	7	74
66	5025N 10100 E		<0.2	2.60	<5	75	5	0.56	<1	34	96	62	5.54	<10	1.52	343	<1	0.01	47	2250	8	<5	<20	48	0.18	<10	156	<10	7	78
67	5025N 10150 E		<0.2	1.58	<5	50	<5	0.22	<1	14	60	25	3.92	<10	0.55	116	<1	0.01	19	1760	8	<5	<20	20	0.14	<10	108	<10	5	39
68	5025N 10200 E		<0.2	2.16	5	140	5	0.90	<1	23	63	62	4.93	10	1.19	645	<1	0.02	32	1570	6	<5	<20	66	0.13	<10	157	<10	13	49
69	5025N 10250 E		<0.2	2.00	<5	110	5	0.42	<1	19	47	48	3.50	<10	0.80	253	<1	0.02	32	560	10	<5	<20	32	0.13	<10	100	<10	7	47
70	5025N 10300 E		<0.2	1.83	<5	80	<5	0.48	<1	21	50	47	3.81	<10	1.02	322	<1	0.02	28	810	8	<5	<20	40	0.14	<10	116	<10	8	56
71	5025N 10350 E		<0.2	1.75	<5	90	<5	0.77	<1	24	65	63	4.59	<10	1.26	374	<1	0.02	31	1510	4	<5	<20	42	0.15	<10	140	<10	8	46
72	5650N 10000 E		<0.2	2.41	<5	90	<5	0.60	<1	31	63	135	4.70	<10	1.51	861	<1	0.01	31	2060	10	<5	<20	41	0.19	<10	157	<10	7	86
73	5650N 10050 E		<0.2	2.76	<5	85	<5	0.93	<1	43	63	247	6.24	10	1.96	979	<1	0.02	37	3470	10	<5	<20	67	0.23	<10	238	<10	10	112
74	5650N 10100 E		<0.2	2.63	<5	110	<5	1.16	<1	45	76	246	7.05	20	2.28	1597	<1	0.02	48	3670	8	<5	<20	65	0.22	<10	255	<10	17	117
75	5650N 10150 E		<0.2	2.28	<5	40	<5	0.61	<1	28	33	179	4.38	<10	1.55	607	<1	<0.01	20	2140	8	<5	<20	64	0.19	<10	156	<10	7	82
76	5650N 10200 E		<0.2	2.18	<5	80	<5	0.32	<1	21	36	64	3.55	<10	0.87	638	<1	0.01	19	1370	12	<5	<20	26	0.15	<10	108	<10	5	73
77	5650N 10250 E		<0.2	2.41	<5	95	<5	0.37	<1	23	46	102	4.15	<10	1.09	404	<1	0.02	25	1060	10	<5	<20	29	0.16	<10	122	<10	6	65
78	5650N 10300 E		<0.2	2.26	<5	125	<5	0.78	<1	23	36	328	3.53	<10	1.06	897	<1	0.02	28	800	12	<5	<20	47	0.15	<10	103	<10	7	57
79	5650N 10350 E		<0.2	2.47	<5	130	<5	0.38	<1	27	42	520	4.35	<10	1.07	318	<1	0.02	30	810	10	<5	<20	39	0.18	<10	127	<10	8	58
80	5650N 10400 E		<0.2	1.89	<5	65	10	0.29	<1	18	43	43	3.75	<10	0.88	225	<1	0.01	19	1510	10	<5	<20	25	0.15	<10	109	<10	5	49
81	5650N 10450 E		<0.2	1.84	<5	90	<5	0.58	<1	30	79	70	5.94	<10	1.00	387	<1	0.02	33	2560	4	<5	<20	34	0.15	<10	173	<10	7	56
82	5650N 10500 E	-65	0.2	1.71	<5	185	<5	2.16	<1	27	48	84	4.04	10	1.02	1355	<1	0.06	34	1390	10	<5	<20	40	0.13	<10	119	<10	11	55
83	5650N 10550 E		<0.2	1.18	<5	380	<5	1.71	<1	19	36	68	3.14	<10	0.82	859	<1	0.05	25	1220	8	<5	<20	63	0.11	<10	101	<10	7	47
84	5650N 10600 E		<0.2	2.50	<5	110	10	0.33	<1	23	45	59	3.81	<10	0.99	317	<1	0.01	28	1150	12	<5	<20	26	0.14	<10	102	<10	6	60
85	6100N 9450 E		<0.2	2.36	<5	120	5	0.83	<1	29	58	115	4.38	10	1.47	618	<1	0.01	30	900	10	<5	<20	93	0.16	<10	164	<10	13	55
86	6100N 9500 E		<0.2	1.69	<5	70	5	0.34	<1	18	47	45	3.49	<10	0.86	213	<1	<0.01	18	1550	8	<5	<20	36	0.15	<10	115	<10	6	50
87	6100N 9550 E		<0.2	2.39	<5	95	<5	0.80	<1	33	54	184	4.49	<10	1.79	558	<1	<0.01	28	2590	8	<5	<20	91	0.20	<10	168	<10	9	74
88	6100N 9600 E		<0.2	2.05	<5	45	5	0.51	<1	25	41	91	3.85	<10	1.18	415	<1	<0.01	19	2300	8	<5	<20	60	0.19	<10	139	<10	7	64
89	6100N 9650 E		<0.2	2.11	<5	80	5	0.39	<1	23	45	75	4.18	<10	1.04	312	<1	0.01	20	1940	10	<5	<20	42	0.18	<10	145	<10	6	59
90	6100N 9700 E		<0.2	2.67	<5	140	10	0.50	<1	28	47	91	4.26	<10	1.41	496	<1	0.01	27	1800	12	<5	<20	44	0.20	<10	152	<10	9	83
91	6100N 9750 E		<0.2	2.76	<5	100	10	0.46	<1	31	52	80	4.74	<10	1.51	454	<1	0.01	28	2600	12	<5	<20	50	0.21	<10	177	<10	9	88
92	6100N 9800 E		<0.2	2.47	<5	100	10	0.76	<1	37	56	87	4.77	10	1.94	794	<1	0.02	32	3190	8	<5	<20	69	0.21	<10	176	<10	9	101
93	6100N 9850 E		0.2	2.41	<5	90	10	0.52	<1	34	76	54	4.54	<10	1.51	780	<1	0.01	39	2560	8	<5	<20	45	0.19	<10	130	<10	7	110
94	6100N 9900 E		<0.2	2.48	<5	110	10	0.94	<1	42	76	113	5.44	10	2.34	669	<1	0.02	47	3190	8	<5	<20	79	0.21	<10	171	<10	9	90
95	6100N 9950 E		<0.2	1.90	<5	110	<5	0.99	<1	18	33	44	3.21	<10	0.88	387	<1	0.01	19	620	8	<5	<20	139	0.12	<10	97	<10	6	59

El #.	Tag #	Mesh Size	ICP ANALYSIS																											
			Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
96	6100N 10000 E		<0.2	2.05	△	80	10	0.41	<1	25	33	43	3.88	<10	1.30	764	<1	<0.01	18	1410	10	△	<20	42	0.18	<10	144	<10	7	73
97	6100N 10050 E		<0.2	2.54	△	105	△	0.43	<1	26	44	225	4.25	<10	1.25	427	<1	0.01	24	1080	10	△	<20	37	0.15	<10	136	<10	7	62
98	6100N 10100 E		<0.2	2.78	△	80	10	0.38	<1	28	39	44	4.11	<10	1.28	578	<1	0.01	21	1370	14	△	<20	27	0.18	<10	119	<10	7	78
99	6100N 10150 E		<0.2	3.37	△	95	5	0.62	<1	41	54	60	5.70	10	2.79	720	<1	<0.01	25	2690	10	△	<20	25	0.24	<10	224	<10	9	93
100	6100N 10200 E		<0.2	2.22	△	100	5	0.33	<1	21	37	69	3.80	<10	1.12	556	<1	<0.01	18	1250	12	△	<20	23	0.17	<10	117	<10	6	67
101	6100N 10250 E		<0.2	2.32	△	255	5	0.45	<1	21	36	91	3.55	<10	1.11	462	<1	0.01	21	880	12	△	<20	29	0.16	<10	100	<10	8	62
102	6100N 10350 E		<0.2	2.87	△	200	10	0.38	<1	28	33	66	4.16	<10	1.61	1071	<1	<0.01	18	1580	10	△	<20	30	0.21	<10	126	<10	7	102
103	6100N 10400 E		<0.2	2.81	△	135	10	0.44	<1	31	30	58	4.32	<10	2.12	696	<1	<0.01	16	1360	10	△	<20	42	0.20	<10	139	<10	7	100
104	6100N 10450 E		<0.2	2.40	△	315	10	0.60	<1	24	44	48	3.60	10	1.10	1549	<1	0.02	25	930	14	△	<20	42	0.17	<10	101	<10	9	80
105	6100N 10500 E		0.2	2.50	△	265	△	0.60	<1	23	37	79	3.80	10	1.20	700	<1	0.01	21	810	12	△	<20	43	0.15	<10	111	<10	16	71
106	6100N 10550 E		<0.2	2.34	△	85	5	0.25	<1	19	27	40	3.41	<10	0.88	373	<1	<0.01	17	1400	12	△	<20	27	0.14	<10	99	<10	7	70
107	6100N 10600 E		<0.2	2.27	△	90	10	0.60	<1	22	40	51	3.71	10	1.51	658	<1	<0.01	20	1020	10	△	<20	48	0.16	<10	122	<10	8	74
108	6100N 10650 E		<0.2	3.83	△	105	10	0.64	<1	35	46	85	5.72	20	2.25	781	<1	<0.01	24	2100	12	△	<20	37	0.22	<10	209	<10	12	113
109	6100N 10700 E		<0.2	2.89	△	85	5	0.37	<1	23	35	54	3.66	<10	1.18	600	<1	<0.01	21	1490	12	△	<20	40	0.16	<10	103	<10	8	88
110	6100N 10750 E		<0.2	2.89	△	130	10	0.35	<1	24	33	58	3.61	10	1.22	429	<1	0.01	19	1540	12	△	<20	31	0.16	<10	100	<10	9	86
111	5350N 10000 E		<0.2	1.99	△	45	5	0.49	<1	25	29	118	3.84	10	1.19	463	<1	0.01	17	2000	8	△	<20	47	0.18	<10	137	<10	9	64
112	5350N 10050 E		<0.2	2.51	△	125	5	0.66	<1	42	127	97	6.43	20	2.24	665	<1	0.01	64	2830	6	△	<20	55	0.19	<10	215	<10	9	80
113	5350N 10100 E		<0.2	2.59	△	95	5	0.50	<1	35	53	112	6.42	10	1.68	460	<1	0.01	27	2850	6	△	<20	39	0.21	<10	212	<10	10	82
114	5350N 10150 E		<0.2	3.04	△	105	5	1.66	<1	42	51	120	6.04	20	2.48	1097	<1	0.01	35	2620	8	△	<20	37	0.22	<10	227	<10	13	113
115	5350N 10200 E		<0.2	2.40	△	95	5	0.53	<1	30	67	102	5.34	10	1.26	478	<1	0.01	31	2210	8	△	<20	41	0.17	<10	166	<10	9	69
116	5350N 10250 E		<0.2	2.33	△	150	5	0.61	<1	27	67	86	4.77	10	1.07	321	<1	0.02	32	1690	8	△	<20	53	0.16	<10	149	<10	10	63
117	5350N 10300 E		<0.2	2.09	△	105	5	0.73	<1	29	68	72	5.21	20	1.44	391	<1	0.03	37	1530	6	△	<20	54	0.17	<10	157	<10	10	56
118	5350N 10350 E		<0.2	1.77	△	90	5	0.34	<1	16	51	32	4.13	10	0.74	165	<1	0.02	23	1280	8	△	<20	26	0.13	<10	122	<10	7	40
119	5350N 10400 E		<0.2	1.66	△	95	△	0.73	<1	20	54	45	3.50	20	1.06	568	<1	0.02	30	1070	6	△	<20	46	0.11	<10	100	<10	11	45
120	5350N 10450 E		<0.2	1.69	△	100	△	0.35	<1	14	43	35	3.54	10	0.60	146	<1	0.01	21	970	10	△	<20	30	0.11	<10	102	<10	6	44
121	5350N 10500 E		<0.2	1.72	△	45	5	0.32	<1	18	46	43	3.96	10	0.80	196	<1	0.02	19	1390	6	△	<20	26	0.14	<10	122	<10	7	46
122	5350N 10550 E		<0.2	1.64	△	95	△	0.62	<1	23	33	153	3.39	<10	1.03	369	<1	0.01	18	1220	6	△	<20	28	0.15	<10	99	<10	7	55
123	5800N 10000 E		<0.2	2.71	△	35	5	0.78	<1	37	31	161	4.64	20	2.12	860	<1	<0.01	24	2530	10	△	<20	51	0.19	<10	184	<10	11	98
124	5800N 10050 E		<0.2	2.67	△	60	5	0.97	<1	31	35	176	5.02	20	1.54	754	<1	0.01	23	2050	10	△	<20	42	0.21	<10	179	<10	12	99
125	5800N 10100 E		<0.2	3.45	△	110	△	1.57	<1	46	54	421	6.39	30	3.43	1779	<1	0.01	38	2980	10	△	<20	77	0.26	<10	247	<10	18	116
126	5800N 10150 E		<0.2	2.71	△	75	5	0.47	<1	30	58	168	4.71	10	1.35	474	<1	0.02	32	1500	8	△	<20	32	0.19	<10	141	<10	9	75
127	5800N 10200 E		<0.2	3.13	△	90	△	0.38	<1	33	56	153	4.69	10	1.64	612	<1	0.02	33	1750	10	△	<20	25	0.20	<10	143	<10	9	84
128	5800N 10250 E		<0.2	1.97	△	55	10	0.27	<1	22	40	86	3.74	<10	0.99	411	<1	0.01	21	1350	8	△	<20	19	0.16	<10	115	<10	7	51
129	5800N 10300 E		<0.2	2.36	△	115	10	0.36	<1	22	34	61	3.55	<10	1.25	628	<1	0.01	16	1660	8	△	<20	37	0.16	<10	110	<10	7	70
130	5800N 10350 E		<0.2	3.00	△	155	△	0.63	<1	30	44	106	4.58	10	1.97	819	<1	0.01	24	1220	10	△	<20	53	0.18	<10	146	<10	11	74

Et #	Tag #	Mesh Size	ICP CERTIFICATE OF ANALYSIS AK 2002-260																											
			Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
131	5800N 10400 E		<0.2	2.58	<5	95	10	0.37	<1	24	35	68	3.88	<10	1.37	513	<1	0.01	18	1530	10	<5	<20	36	0.15	<10	120	<10	7	72
132	5800N 10450 E		<0.2	2.66	<5	185	5	0.80	<1	29	44	122	4.26	10	1.85	848	<1	0.01	25	1440	8	<5	<20	72	0.16	<10	135	<10	13	73
133	5800N 10500 E		<0.2	2.62	<5	190	5	0.97	<1	29	44	120	4.41	20	2.10	932	<1	0.01	26	2000	8	<5	<20	81	0.17	<10	140	<10	13	79
134	5800N 10550 E		<0.2	1.75	<5	90	5	0.46	<1	19	54	36	4.22	<10	0.72	495	<1	0.02	21	2160	6	<5	<20	34	0.14	<10	120	<10	7	50
135	5800N 10600 E		<0.2	1.79	<5	85	10	0.78	<1	26	64	47	4.78	10	1.10	335	<1	0.02	28	1120	4	<5	<20	45	0.15	<10	155	<10	9	47
136	5800N 10650 E		<0.2	1.98	<5	225	<5	1.81	<1	17	41	78	3.02	20	0.72	841	<1	0.02	31	820	8	<5	<20	41	0.08	<10	76	<10	14	31
137	5950N 10000 E		<0.2	2.45	<5	65	5	0.42	<1	28	51	94	4.56	10	1.56	378	<1	0.01	29	1300	10	<5	<20	45	0.20	<10	157	<10	9	70
138	5950N 10050 E		<0.2	2.49	<5	75	<5	0.57	<1	26	38	117	4.15	10	1.40	643	<1	0.01	23	1400	10	<5	<20	46	0.16	<10	138	<10	8	73
139	5950N 10100 E		<0.2	2.50	<5	45	5	0.71	<1	34	83	181	5.50	10	2.11	754	<1	<0.01	45	2040	6	<5	<20	61	0.23	<10	196	<10	10	85
140	5950N 10150 E		<0.2	3.10	<5	95	5	0.42	<1	28	48	141	4.53	10	1.71	493	<1	0.01	25	1750	10	<5	<20	31	0.18	<10	141	<10	10	73
141	5950N 10200 E		<0.2	2.27	<5	95	5	0.39	<1	23	33	60	4.01	<10	1.21	409	<1	0.02	16	1610	8	<5	<20	25	0.18	<10	127	<10	7	68
142	5950N 10250 E		<0.2	2.77	<5	50	<5	0.33	<1	26	44	125	4.68	<10	1.38	473	<1	0.02	23	1900	8	<5	<20	21	0.17	<10	144	<10	8	74
143	5950N 10300 E		<0.2	3.41	<5	125	5	0.84	<1	42	56	320	5.54	10	2.93	730	<1	0.03	29	3140	8	<5	<20	24	0.25	<10	212	<10	12	85
144	5950N 10350 E		<0.2	2.82	<5	135	<5	0.35	<1	25	41	81	4.12	<10	1.38	569	<1	0.01	20	1100	10	<5	<20	34	0.17	<10	125	<10	8	68
145	5950N 10400 E		<0.2	2.52	<5	105	5	0.31	<1	21	31	57	3.60	<10	1.10	567	<1	<0.01	16	1410	10	<5	<20	33	0.14	<10	106	<10	7	74
146	5950N 10450 E		<0.2	3.15	<5	240	10	0.58	<1	31	57	120	4.58	<10	2.40	1269	<1	<0.01	25	2270	10	<5	<20	37	0.20	<10	150	<10	9	103
147	5950N 10500 E		<0.2	3.19	<5	285	5	0.55	<1	29	35	99	4.47	10	1.80	752	<1	0.01	20	980	12	<5	<20	47	0.19	<10	150	<10	11	90
148	5950N 10550 E		<0.2	2.31	<5	125	10	0.39	<1	21	32	37	3.63	<10	1.13	468	<1	0.01	17	1430	8	<5	<20	38	0.14	<10	112	<10	7	80
149	5950N 10600 E		<0.2	2.44	<5	155	5	0.53	<1	21	34	56	3.65	10	1.14	839	<1	0.01	18	1350	12	<5	<20	49	0.15	<10	107	<10	9	87
150	5950N 10650 E	-48	<0.2	1.15	<5	190	<5	1.39	<1	15	40	41	3.36	10	0.63	321	<1	0.02	19	1180	4	<5	<20	67	0.09	<10	107	<10	8	36
151	5950N 10700 E		<0.2	2.24	<5	115	5	0.70	<1	20	51	46	4.24	10	0.88	417	<1	0.02	29	1260	8	<5	<20	47	0.13	<10	120	<10	10	54
152	5950N 10750 E		<0.2	2.00	<5	80	<5	0.44	<1	20	48	53	3.54	10	0.97	326	<1	0.02	30	900	8	<5	<20	31	0.12	<10	93	<10	8	46
153	5350N 9200 E		<0.2	2.27	20	275	<5	1.73	<1	31	197	73	4.81	20	1.39	969	<1	0.05	85	1680	10	<5	<20	125	0.16	<10	146	<10	13	63
154	5350N 9250 E		<0.2	1.48	<5	70	5	0.48	<1	24	167	35	4.29	<10	1.00	237	<1	0.02	47	840	4	<5	<20	35	0.14	<10	113	<10	6	40
155	5350N 9300 E		<0.2	1.76	<5	65	5	0.48	<1	21	114	33	3.76	<10	0.85	238	<1	0.02	48	1010	6	<5	<20	35	0.14	<10	103	<10	6	40
156	5350N 9350 E		<0.2	1.91	<5	70	5	0.50	<1	29	132	56	4.93	<10	1.22	259	<1	0.02	65	1540	4	<5	<20	41	0.14	<10	133	<10	7	49
157	5350N 9400 E		<0.2	1.34	<5	55	10	0.35	<1	21	96	25	3.93	<10	0.86	201	<1	0.02	35	1260	6	<5	<20	39	0.15	<10	114	<10	7	45
158	5350N 9450 E		<0.2	1.64	<5	95	10	0.61	<1	23	128	38	3.70	<10	1.08	535	<1	0.02	70	1290	6	5	<20	46	0.13	<10	101	<10	7	56
159	5350N 9500 E		<0.2	2.17	<5	140	<5	0.62	<1	33	189	78	4.53	10	1.38	779	<1	0.02	139	590	6	<5	<20	53	0.16	<10	120	<10	11	53
160	5350N 9550 E	-48	<0.2	1.55	10	130	<5	0.81	<1	25	212	102	3.52	10	0.99	375	<1	0.02	105	460	4	<5	<20	60	0.11	<10	108	<10	14	34
161	5350N 9600 E		<0.2	2.19	<5	120	5	1.04	<1	32	106	130	5.88	20	1.93	577	<1	0.02	44	2460	4	<5	<20	71	0.18	<10	188	<10	11	60
162	5350N 9650 E		<0.2	2.18	<5	80	5	0.52	<1	26	59	96	4.92	10	1.16	290	<1	0.02	28	1450	6	<5	<20	48	0.17	<10	161	<10	9	52
163	5350N 9700 E		<0.2	2.21	<5	70	5	0.34	<1	23	46	68	4.25	<10	0.94	277	<1	0.01	23	1620	8	<5	<20	39	0.17	<10	139	<10	8	57
164	5350N 9750 E		<0.2	2.45	<5	195	<5	0.85	<1	30	43	162	4.18	<10	1.85	563	<1	0.01	25	1650	8	<5	<20	73	0.19	<10	167	<10	10	63
165	5350N 9800 E		<0.2	2.59	<5	80	10	0.40	<1	24	43	81	3.96	<10	1.15	313	<1	0.02	24	1620	10	<5	<20	37	0.16	<10	127	<10	8	63



BRIGHT STAR VENTURES

ICP CERTIFICATE OF ANALYSIS AK 2002-260

ECO TECH LABORATORY LTD.

Et#	Tag #	Mesh Size	ICP CERTIFICATE OF ANALYSIS AK 2002-260																											
			Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
166	5350N	9850 E	<0.2	2.60	<5	165	5	0.58	<1	23	50	102	4.03	10	1.29	609	<1	0.02	29	1040	10	<5	<20	48	0.16	<10	122	<10	9	61
167	5350N	9900 E	<0.2	2.91	<5	75	<5	0.52	<1	28	38	134	4.56	10	1.34	524	<1	0.01	24	2220	10	<5	<20	34	0.16	<10	145	<10	9	76
168	5350N	9950 E	<0.2	2.57	<5	50	5	0.31	<1	23	39	73	4.21	<10	0.93	434	<1	0.01	22	1530	10	<5	<20	31	0.15	<10	134	<10	7	66

QC DATA:

Repeat:			QC DATA:																											
Et#	Tag #	Mesh Size	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	5950N	9450 E	<0.2	2.39	<5	275	5	0.64	<1	37	132	80	5.25	<10	1.81	433	<1	0.01	57	850	8	<5	<20	59	0.20	<10	171	<10	10	59
10	5950N	9900 E	<0.2	2.59	<5	125	<5	0.83	<1	32	50	173	4.53	10	1.67	824	<1	0.01	30	1620	10	<5	<20	107	0.20	<10	165	<10	11	89
19	5800N	9750 E	<0.2	2.13	<5	55	5	0.48	<1	28	63	100	4.37	<10	1.47	329	<1	<0.01	26	2160	6	<5	<20	47	0.20	<10	162	<10	7	62
28	5650N	9500 E	<0.2	1.78	<5	60	5	0.38	<1	27	162	36	5.07	<10	1.24	222	<1	0.02	51	1490	6	<5	<20	53	0.16	<10	127	<10	6	52
36	5650N	9900 E	<0.2	2.71	<5	75	10	0.65	<1	35	67	60	4.91	<10	1.90	730	<1	0.01	39	3030	10	<5	<20	61	0.20	<10	189	<10	9	106
45	5025N	9050 E	<0.2	0.08	<5	420	<5	3.05	<1	5	21	47	0.20	<10	0.39	2632	<1	0.12	112	610	6	<5	<20	92	0.03	<10	32	<10	<1	11
54	5025N	9500 E	<0.2	1.05	<5	130	<5	0.42	<1	12	107	33	2.48	<10	0.45	494	<1	0.01	27	230	6	<5	<20	24	0.11	<10	81	<10	6	28
63	5025N	9995 E	<0.2	2.41	<5	70	<5	0.45	<1	26	51	80	4.39	<10	1.33	545	<1	0.01	27	2100	8	<5	<20	38	0.17	<10	148	<10	6	79
71	5025N	10350 E	<0.2	1.70	<5	85	<5	0.75	<1	24	63	61	4.50	<10	1.23	365	<1	0.02	31	1470	8	<5	<20	39	0.15	<10	137	<10	9	45
80	5650N	10400 E	<0.2	1.91	<5	65	5	0.29	<1	18	43	43	3.73	<10	0.88	226	<1	0.01	19	1520	8	<5	<20	26	0.15	<10	109	<10	6	49
98	6100N	10100 E	<0.2	2.71	<5	80	10	0.37	<1	27	38	42	4.02	<10	1.25	566	<1	0.01	21	1360	14	<5	<20	26	0.18	<10	116	<10	7	74
106	6100N	10550 E	<0.2	2.39	<5	85	10	0.25	<1	19	28	41	3.44	<10	0.90	379	<1	<0.01	17	1410	12	5	<20	27	0.14	<10	101	<10	7	70
115	5350N	10200 E	<0.2	2.40	<5	95	5	0.53	<1	31	67	102	5.31	10	1.27	478	<1	0.01	31	2270	8	<5	<20	41	0.17	<10	165	<10	9	69
124	5800N	10050 E	<0.2	2.63	<5	55	10	0.92	<1	31	34	174	4.91	10	1.51	734	<1	0.01	22	2050	12	<5	<20	39	0.20	<10	173	<10	11	97
133	5800N	10500 E	<0.2	2.59	<5	190	<5	0.95	<1	29	44	120	4.36	10	2.08	921	<1	0.01	25	1980	6	<5	<20	77	0.16	<10	138	<10	12	78
141	5950N	10200 E	<0.2	2.30	<5	95	10	0.37	<1	24	32	61	3.92	<10	1.22	417	<1	0.02	16	1520	8	<5	<20	24	0.17	<10	125	<10	8	68
150	5950N	10650 E	<0.2	1.09	<5	175	<5	1.24	<1	16	39	38	3.40	<10	0.61	309	<1	0.02	20	950	2	<5	<20	62	0.09	<10	107	<10	8	35
159	5350N	9500 E	<0.2	2.20	<5	135	5	0.63	<1	33	187	78	4.50	10	1.40	781	<1	0.02	139	590	6	<5	<20	55	0.16	<10	120	<10	11	53

Standard:

Standard	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
GEO '02	1.6	1.62	55	130	<5	1.58	<1	20	64	84	3.59	<10	0.96	613	<1	0.02	30	680	20	<5	<20	39	0.13	<10	72	<10	10	71
GEO '02	1.6	1.66	60	135	<5	1.60	<1	20	64	86	3.57	<10	0.96	616	<1	0.02	31	660	18	<5	<20	42	0.14	<10	73	<10	10	70
GEO '02	1.6	1.73	50	135	<5	1.60	<1	20	65	87	3.62	10	0.99	618	<1	0.02	30	680	20	<5	<20	42	0.13	<10	75	<10	12	70
GEO '02	1.4	1.76	50	135	<5	1.61	<1	20	66	88	3.66	10	0.99	630	<1	0.03	32	680	20	<5	<20	44	0.13	<10	76	<10	11	71

JJ/kk  
dt/253/260  
XLS/02

ECO TECH LABORATORY LTD.  
Jutta Jesicouse  
B.C. Certified Assayer

**Appendix C**

## STATEMENT OF QUALIFICATIONS – WILLIAM C. YEOMANS

I, William C. Yeomans, hereby certify the following:

1. I am an independent consulting geologist, employed by Yeomans Geological Services, with office at 3225 Oriole Drive, Westbank, B.C., V4T 1A4
2. I earned a Bachelor of Science (Hons.) in Geology in 1982 at Queen's University in Kingston, Ontario, Canada.
3. I am a Professional Geoscientist registered with The Association of Professional Engineers and Geoscientists of the Province of British Columbia, registration No. 27187.
4. I am a Qualified Person (QP) as outlined in National Instrument 43-101 of the Canadian Securities Administrators (CSA).
5. I have read National Instrument 43-101 and Form 43-101F1.
6. I have practised my profession for 20 years, and I am experienced in mineral exploration throughout the Americas. I have managed exploration programs encompassing planning, setting up and supervising of the following: drilling; logging; sampling and laboratory protocols for reverse circulation, diamond drill core, planning and execution of regional and detailed geochemistry and geological surveys, database development and management in several countries. I have integrated geological, geochemical, and geophysical data modeling utilizing GIS and other software.
7. The geological report dated April, 2002 and titled "Bright Star Ventures Preliminary Prospecting Results and Proposed PGE Exploration Program for the Tulameen Ultramafic, Similkameen District, South Central British Columbia, Canada," is a compilation of data provided to me by Bright Star Ventures.
8. This report was prepared for Bright Star Ventures Ltd. and is based on data provided to me by the company, which are believed to be accurate. Although all reasonable care has been taken in the preparation of this report and the author stands behind his interpretations, the author is not responsible for errors and inaccuracies arising from data that might not be accurate.
9. I hereby give permission to Bright Star Ventures Ltd. to use this report in its complete and unedited form. Permission must be obtained from me before publication of any excerpt or summary from this report.

Dated the 21st day of December, 2002.

*William C. Yeomans*  
William C. Yeomans, B.Sc (Hons.), P. Geo. (APEGBC)  
(Association of Professional Engineers and Geoscientists of British Columbia)

