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VANCOUVER, B.C.

NTS 92L/14E, 92M/3E
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LONGITUDE 127° 12' W

GEOLOGICAL & GEOCHEMICAL REPORT ON THE NUGGET QUEEN CLAIM GROUP SEYMOUR INLET AREA VANCOUVER MINING DIVISION BRITISH COLUMBIA

For

Solaia Ventures Inc.
640 - 625 Howe Street
Vancouver, B.C.
V6C 2T6

By

Fayz F. Yacoub, P.Geo., F.G.A.C.
6498 - 128B Street
Surrey, B.C.
V3W 9P4

&

John Young, H.B.Sc.
603 - 1176 Burnaby Street
Vancouver, BC
V6E 1P1

February 1997

24 958

SUMMARY

The Nugget-Queen property is comprised of the Nugget and the Queen claims totaling 24 units and lies approximately 35 kilometres northeast of Port Hardy in the Seymour Inlet area, Vancouver Mining Division.

Geologically the property is underlain by a sequence of metavolcanic and sedimentary rocks which form a roof pendant in a granodiorite intrusive. Mineralization consists of gold, silver, copper, lead and zinc in quartz veins associated with east-southeast trending shear zones within argillitic sedimentary rocks.

Previous mineral exploration on the property outlined a favourable geologic environment for a gold-bearing quartz vein deposit. A number of gold, silver and base metal soil anomalies have been detected on the Nugget and Queen property. Seven veins, known as the No. 1 to No. 7 veins, were originally located by the Mining Company of Canada and one vein, the No. 8 vein, was recently discovered by Ashworth Explorations Ltd. Mineralization within the veins consists of galena, sphalerite, pyrrhotite and chalcopyrite.

Productions records during the period of 1940 to 1941 indicate that a total of 666 tonnes of ore was shipped to the Tacoma Smelter. Sampling the main vein during the 1996 program returned gold values as high as 1.313 oz/tonne Au.

The 1995 geological, geochemical and geophysical exploration work carried out by Ashworth Explorations Ltd. indicated the potential for extending the known veins and outlined a new soil anomaly zone parallel to the Main Showing.

The 1996 geological, geochemical and trenching program was initiated on the Nugget-Queen property to test the extension of the known gold-bearing mineralization between the No. 4 and No. 6 vein, and to test the new soil geochemical anomaly area by trenching. Results of this program yielded values up to 0.24 opt gold and 0.42 opt silver from eight trenches.

Soil sampling yielded coincident Au, Ag, Cu, Pb and Zn anomalies along the 1996 target area and suggests a gold-bearing quartz vein striking 280°. A newly discovered quartz vein was located just east of the 1996 trench area. Chip samples across 1 metre of the vein returned values of 34,978 ppb gold (1.119 opt). This discovery has increased the strike length of the south zone (the 1996 target area) from Trench 9 in the northwest to the newly discovered No. 8 vein in the southeast for a relatively continuous strike length of 130 metres.

The results of the 1996 trenching program were very encouraging, and the possibility for the Nugget-Queen property to have potential to host an economic gold, silver, copper, lead and zinc deposit in quartz veins has been greatly enhanced.

Further exploration has been recommended which will consist of 500 metres of diamond drilling in six drill holes to test the down dip extension of the No. 6 vein and the new alteration zone delineated by the 1996 trenching program at an estimated cost of $160,000.

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1.0 INTRODUCTION

At the request of Solaia Ventures Inc., Ashworth Explorations Ltd. conducted a mineral exploration program on the Nugget and Queen mineral group, Seymour Inlet, British Columbia from December 4 to 22, 1996. The main purpose of this report is to evaluate the precious and the base metal potential of the property resulting from the 1996 geological, geochemical and trenching program. This report also describes the regional geology and the past exploration activities in the area, and outlines a budget proposed for a next phase exploration program.

The work was performed by Fayz Yacoub, P.Geo., F.G.A.C.; John Young, geologist; and a crew of six geotechnicians. The work was conducted from a camp located on the northwest-central part of the Nugget claim.

This report is based upon the geological, geochemical and geophysical data collected during the 1995 and 1996 exploration activities on the property, and on a review of government assessment reports, regional geological maps, and claim data from the Vancouver Mining Recorder's Office. Both writers, Mr. Fayz Yacoub and Mr. John Young, were on the property and supervised all field work during the work program of December 1996.

2.0 LOCATION, ACCESS & PHYSIOGRAPHY (Figure 1)

The Nugget and Queen mineral group is located in the Seymour Inlet area, British Columbia. This area is located approximately 350 kilometres northwest of Vancouver. The property is located some 35 kilometres northeast of Port Hardy and covers part of the peninsula lying between McKinnon and Nenahlmai Lagoons which are part of a southeasterly arm of Seymour Inlet. The claims are situated within the Vancouver Mining Division of B.C., NTS mapsheets 92L/14E and 92M/3E, latitude 50° 59'N, longitude 127° 12'W.

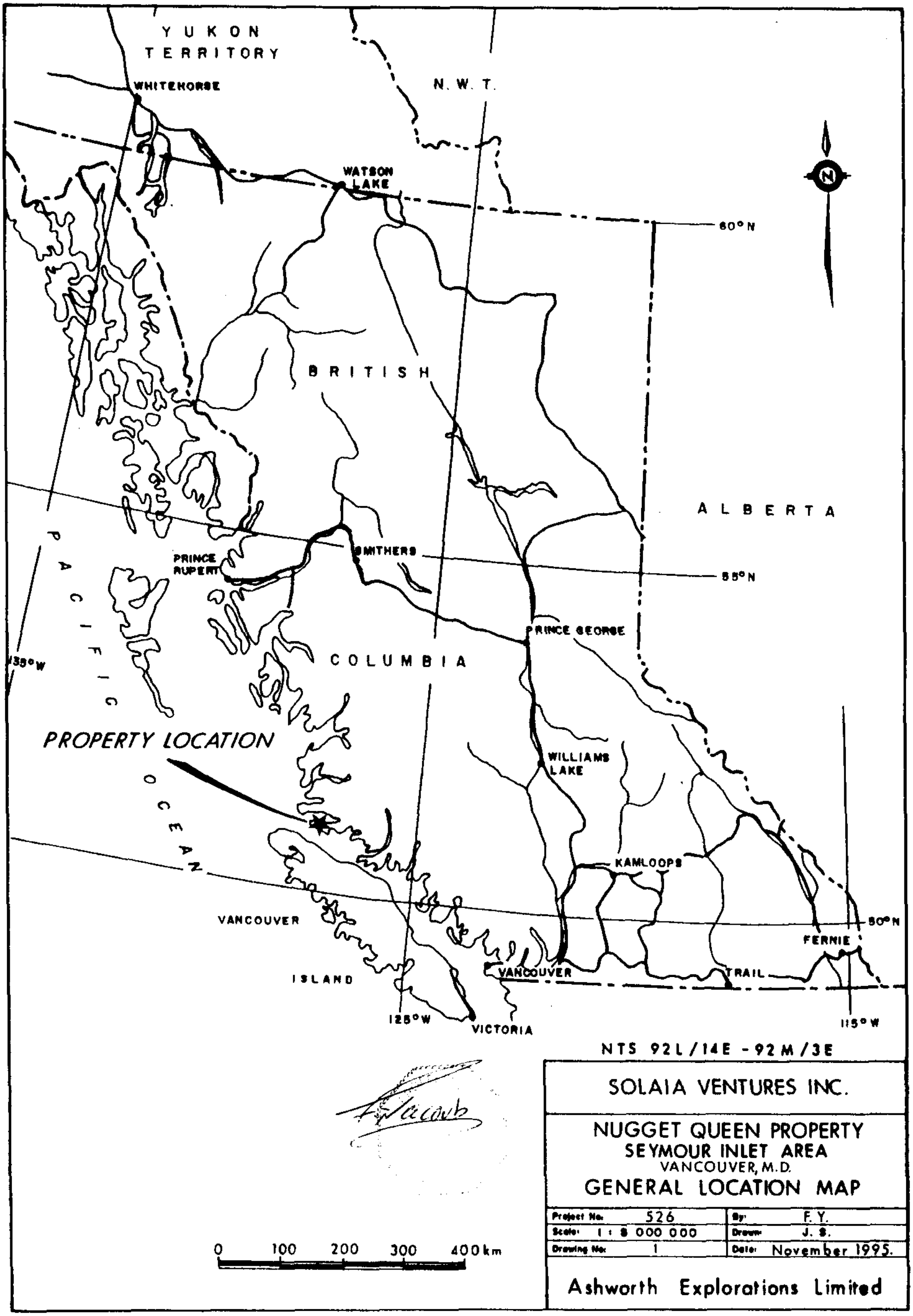
Access to the claims can be reached via boat, float plane and helicopter from Port Hardy or Port McNeill. The best helicopter landing site on the property is located at the small swampy pond in the centre of the Nugget claim where a tent-frame camp was erected in 1995.

The claim area lies within part of the Hecate lowland, a geomorphic division dominated by low lying, knobby hills and ridges, and numerous small lakes connected to the Queen Charlotte Strait by narrow fjords.

The claims and adjacent areas are thickly covered by typical dead top cedar forest which includes western hemlock, balsam and douglas fir, and cypress. The dense undergrowth is comprised of young conifers, salal, ferns and deadfall. Precipitation is typical of temperate coastal climates, meaning significant rainfall, and occasional snow. Field work is feasible most of the year.

Elevations within the property ranges from sea level at the McKinnon and Nenahlmai Lagoons to 369 metres on a small rounded hill at the northeast part of the Nugget claim.

Water sufficient for drilling is available from the main creek running through the central part of the claims.


YUKON TERRITORY
WHITEHORSE
N. W. T.
WATSON LAKE
60° N
BRITISH
COLUMBIA
ALBERTA
PRINCE RUPERT
SMITHERS
55° N
PRINCE GEORGE
PACIFIC OCEAN
135° W
PROPERTY LOCATION
WILLIAMS LAKE
KAMLOOPS
VANCOUVER ISLAND
VANCOUVER
TRAIL
FERNIE
50° N
125° W
VICTORIA
115° W
NTS 92L/14E - 92M/3E
0 100 200 300 400 km
SOLAIA VENTURES INC.
NUGGET QUEEN PROPERTY
SEYMOUR INLET AREA
VANCOUVER, M.D.
GENERAL LOCATION MAP
Project No. 526
By: F. Y.
Scale: 1 : 8 000 000
Drawn: J. S.
Drawing No: 1
Date: November 1995.
Ashworth Explorations Limited

3.0 PROPERTY STATUS (Figure 2)

The subject property is comprised of two mineral claims totaling twenty-four units. The property was located January 30, 1995 and is owned by David A. Heyman of Burnaby, B.C. The claims are currently under option by Solaia Ventures Inc. of Vancouver, B.C.

Pertinent claim data is as follows:

CLAIM	UNITS	RECORD NUMBER	RECORD DATE	EXPIRY DATE
Queen	6	333667	January 30, 1995	January 30, 1998
Nugget	18	333668	January 30, 1995	January 30, 1998

The total area of the property is 6 km^2 - 600 hectares (1,482.6 acres).

4.0 PROPERTY HISTORY

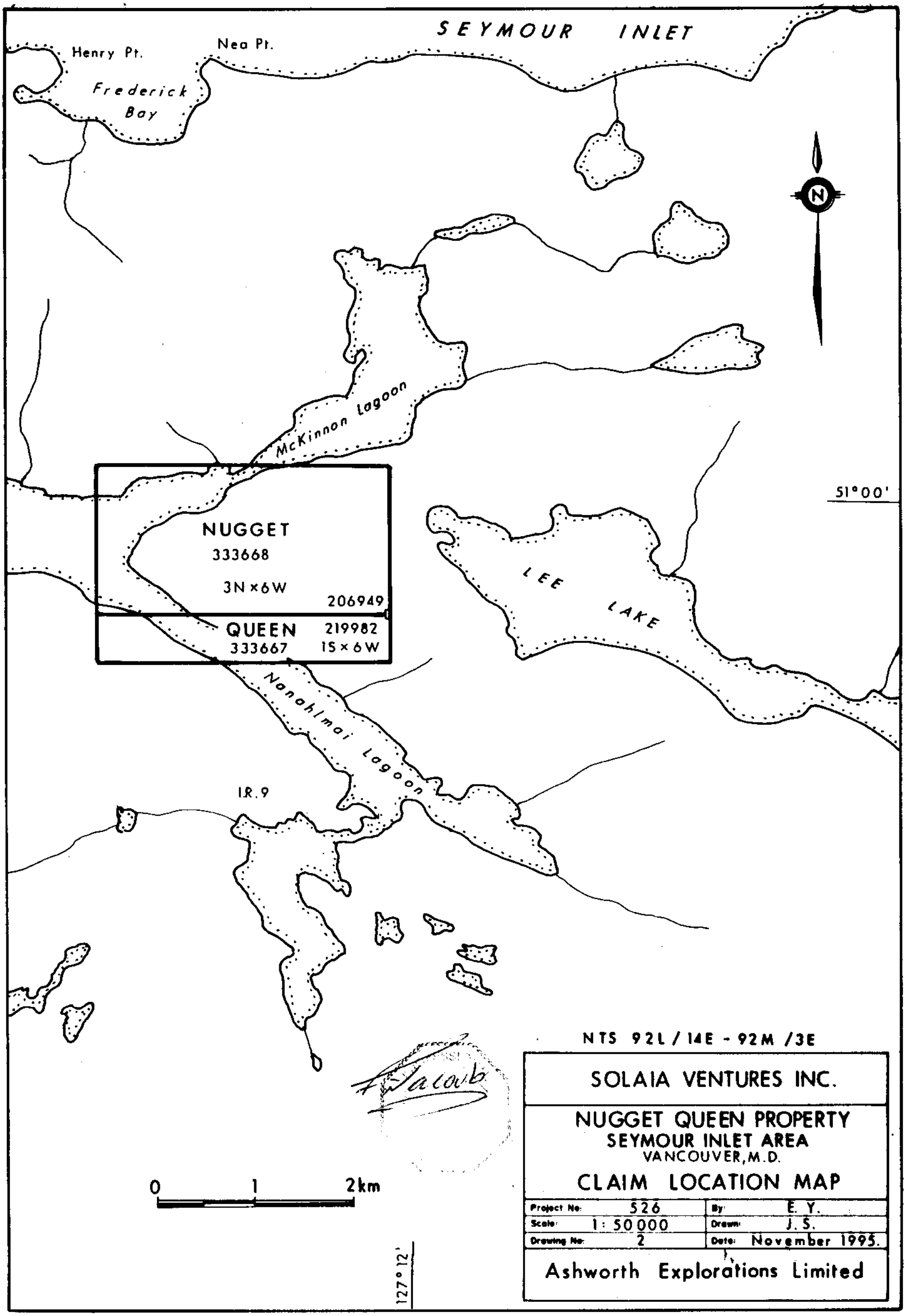
In 1938, the Mining Company of Canada Ltd. completed a work program that included more than 1,000 feet of stripping along seven quartz veins, vein sampling and preliminary geological mapping of the area currently known as Nugget-Queen. An anonymous report describing this work is held with the B.C. Energy Mines and Petroleum Resources but the work was never recorded and the claims were abandoned.

The 1938 report indicated that the No. 3 vein was exposed continuously for 250 feet with widths varying from a few inches to 5 feet. This vein was sampled at 1.5 metre intervals and is shown here as Figure 9. The calculated weighted width and grad of 43 samples from this vein has been noted as 5.69 grams per tonne over an average width of 0.7 metres (EMPR PF 92L 178). Sample results over a length of 65 metres ranged from 0.005 opt Au to 2.44 opt Au (69.95 g/tonne - "picked sample") over 0.9 metres. The No. 4 vein is described as milky quartz with an irregular sulphide content which includes chalcopyrite, bornite, galena, sphalerite, pyrite, pyrrhotite and magnetite as well as angular wall rock fragments lying within a west-northwesterly trending, steeply dipping shear.

The No. 5 vein had also been exposed by trenching over a length of 250 feet and lies along an intersecting 1 to 6 foot wide northwesterly shear. The No. 5 vein system includes milky quartz as lenses and stringers with minor sulphides. Bobmac Mines did not record assay results for this vein.

The No. 6 vein, also known as the Main Showing, was exposed by trenching but was not sampled by Bobmac Mines. The vein outlines and assays are shown in Figure 10. This vein is described as having a length of 95 feet with an irregular width from 20 inches to 5.5 feet, comprising mainly quartz, wall rock fragments and a sulphide content varying from weak to heavy. The sulphide minerals included galena, sphalerite, pyrrhotite and chalcopyrite. The claims were dropped in 1938.

In 1939, the DUD claim was staked by R. Dudley Smith and optioned to Greta B. McCorkell. The property was restaked as the SILTA.


SEYMOUR INLET
Henry Pt.
Nea Pt.
Frederick Bay
McKinnon Lagoon
NUGGET
333668
3N×6W
206949
QUEEN
219982
333667
1S×6W
51°00'
LEE LAKE
Nanahlmai Lagoon
I.R.9
0
1
2km
127°12'
NTS 92L/14E - 92M/3E
SOLAIA VENTURES INC.
NUGGET QUEEN PROPERTY
SEYMOUR INLET AREA
VANCOUVER, M.D.
CLAIM LOCATION MAP
Project No: 526
By: E.Y.
Scale: 1:50000
Drawn: J.S.
Drawing No: 2
Date: November 1995.
Ashworth Explorations Limited

From 1940 to 1941, the No. 6 vein was stoped by the new owner. Recorded production records indicate that 666 tonnes of ore were shipped to the Tacoma smelter during this period. A further 6 tonne shipment from the DUD claim, probably taken from the old stockpile, was made in 1949 (MMAR):

ORE SHIPPED	METALS RECOVERED Gold (oz)	Silver (oz)	Copper (oz)	Lead (oz)	Zinc (oz)
SILTA 666 Tonnes	668	1,384	3,870	21,488	---
DUD 1949 6 Tonnes	3	55	---	973	516
TOTAL 67 Tonnes	671	1,439	3,870	22,461	516

As a result of mining vein No. 6, a surface pit of about 15 metres long, 5 metres deep, with an average width of 2 metres, is supported by timbers left as the Main Showing.

No significant work was recorded on the property during the 1960's. In 1973, the veins were restaked as the QC 1-40 with the No. 6 vein located on the QC 3. Work included an EM survey on a 200 by 400 foot grid on the QC 1 to 4 claims. The property was again restaked as the Whelakis Group in 1979 for Frank Beban Logging Ltd. and a preliminary reconnaissance including some sampling was made by Nevin Sadlier-Brown Goodbrand Ltd. (NSBG). In 1980, NSBG and Premier Geophysics conducted geological mapping, rock sampling, and a magnetometer, VLF-EM survey which covered 3.4 kilometres on the WHELAKIS and MINE 1 and 2 claims.

In 1983, five short Winke holes totaling 156.8 metres were drilled above and just west of the No. 6 vein stope without conclusive results (locations and logs not available). In 1990, the property reverted to the Crown.

On December 29, 1991, the property was staked as the CHERRY 1-4 claims and recorded by Mr. David A. Heyman. NSBG carried out a review of the geological and geophysical data on the claim group in 1994, essentially a revision of the 1980 NSBG report. In the report, the No. 3, No. 4 and No. 5 veins were referred to as the West Showing and the No. 6 vein as the Main Showing. Geological and geophysical surveys were reviewed and the authors suggested that work on the property had shown that gold quartz mineralization of sufficient tenor to be economic was present within the vein system. A geochemical survey of the entire property was recommended and dependent upon this and trenching results, drilling would be justified. The property was forfeited on December 29, 1994.

On January 30, 1995, the Nugget and Queen property was re-staked by the current owner and optioned to Solaia Ventures Inc.

The most recent geological, geochemical and geophysical exploration work on the claims was carried out by Ashworth Explorations Ltd. in October and November of 1995. The field work included an erection of a tent-frame camp, cutting a trail to the old corduroy road, cutting a new baseline and cross lines, stream silt sampling, soil sampling, vein sampling and geophysical surveys. Resampling of veins No. 3, No. 4 and No. 6 has indicated higher gold and silver grades than previously recorded. The new geochemical soil survey has indicated the potential for extensions of the known veins and has outlined parallel new zones to the No. 4 and No. 6 veins.

The apparent size and tenor of the known veins is sufficient to warrant further work which would include trenching and sampling of the known and new anomalous zones.

Strong support of the geochemical anomalies has been provided by the geophysical surveys conducted in 1995. The VLF-EM conductors, in particular, emphasize the need to test vein extensions and to investigate the 1995 geochemical and geophysical anomalies in more detail.

Accordingly, further exploration work on the claims was recommended and consisted of extending the geochemical soil anomalies beyond the limits of the 1995 survey, and by trenching and vein sampling all new exposed mineralization.

5.0 REGIONAL GEOLOGY (Figure 3)

The area of the claims lies within one of the least studied areas on British Columbia's mainland coast. The first geological studies of the mainland and coastal islands were undertaken in 1874 by James Richardson, followed by G. M. Dawson in 1876 and J. F. Whiteaves in 1878.

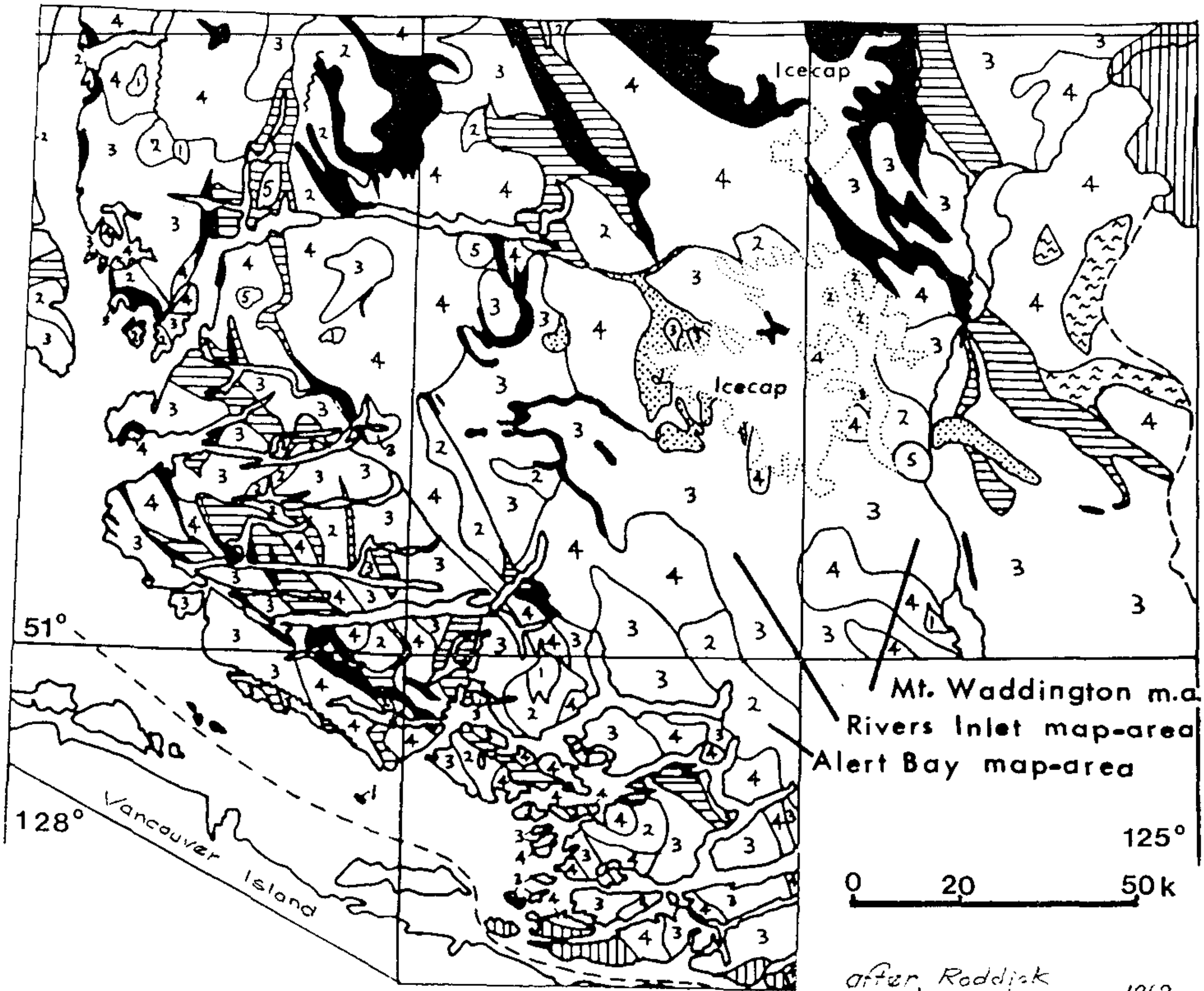
A more detailed study of the region was attempted by O. E. Leroy in 1908 in the area from Vancouver to Dean Channel. This study was continued by V. Dolmage as far as Stewart, B.C.

The "Coast Mountains" project was initiated by the Geological Survey of Canada in 1964 and results of this study were published in 1968 (Figure 3). A variety of regional maps and studies have since been published although few are at a scale useful to detailed mineral exploration.

The rocks in the coastal Cape Scott, Alert Bay, and Rivers Inlet map areas are generally included in the Insular Superterrane, an area which also includes Vancouver Island. The rocks of the island as well as the adjacent coastal roof pendants are mainly Mesozoic in age, and include a variety of volcanic, sedimentary and metamorphic units called the Wrangellia Terrane. This terrane impinges easterly against the Coast Plutonic Complex. This complex is composed of a multitude of dykes, stocks and batholiths mainly of quartz diorite or granodiorite composition. Correlation of pendant-type rocks in the central seacoast area has been mainly impossible due to isolation, and the overall degree of alteration and deformation of the rocks.

Geological studies of the central seacoast shows a scattering of small, thin to irregular, northwest trending country rock pendants lying within a matrix of intrusive rock. These rocks are dominated by quartz diorite, diorite and tonalite, and comprise approximately 75% of the area. The rocks are mainly Jurassic-Early Cretaceous in age and probably represent outliers of the main Coast Plutonic Complex separated by a thin veneer of Wrangellian Crust (Friedman et al., 1995).

Other recent studies (Monger and Journeay, 1994) suggest that the central seacoast plutons are mainly Early Cretaceous in age but rock dates are still deficient between latitudes 51°N and 53°N. In view of the range in pluton ages, it is probable that the pendant country rocks are remnants of volcanic arc assemblages which were as old as Late Triassic, but also partly coeval with the Jurassic-Early Cretaceous magmatic systems (Grove, 1996).



after, Roddick 1968

LEGEND

STRATIFIED ROCKS

QUATERNARY AND OLDER(?)

- Dacitic and basaltic flows, tuffs, and breccias

MESOZOIC

- Sedimentary and volcanic rocks

CRETACEOUS AND OLDER

- Schists, gneiss, quartzite; crystalline limestone and volcanic rocks

MESOZOIC AND PALAEOZOIC(?)

- Granitoid gneiss
- Migmatite

PLUTONIC ROCKS

- 5 *Mainly quartz monzonite*
- 4 Mainly granodiorite
- 3 Mainly quartz diorite
- 2 Mainly diorite
- 1 Gabbro and diorite

- limits of icefield
- geological contact
- limit of mapping
- fault

F. J. YACOUB BRITISH COLUMBIA GEOSCIENTIST

GENERAL GEOLOGY

SW COAST BRITISH COLUMBIA

FIGURE 3

6.0 1996 FIELD PROGRAM

6.1 SCOPE & PURPOSE

From December 4 to 22, 1996, a ten man crew consisting of two geologists, seven geotechnicians and a camp cook carried out a field work program of geological mapping, trenching, grid work, line cutting, and soil sampling. The purpose of this program was to:

1) extend the grid to the open areas beyond the limits of the 1995 survey;

2) investigate the newly discovered soil anomaly south of the No. 6 vein;

3) trench and rock sample the anomaly area to expose mineralization which may delineate a drill target; and

4) locate the No. 1 and No. 7 showings originally discovered by the Mining Company of Canada.

6.2 METHODS & PROCEDURES

Utilizing compass and hipchain, a slope-corrected, 3,460 metres of grid lines was laid out for the purpose of geochemical soil sampling using the pre-existing 1995 base line oriented at 305°.

A total of 30 new cross-lines was completed in the western, central and eastern areas to fill in gaps left from the 1995 grid. All cross-lines were oriented N35E.

A total of 8 reconnaissance lines was completed 10 metres to the east and west of trenches T-8, T-9, T-10 and T-11. Lines were 30 metres in length with 5 metre stations oriented at N25E.

Using a grub hoe, soil samples were collected at grid stations. Sample depths averaged 25 centimetres. All samples were analyzed for gold by Fire Assay Atomic Absorption Spectrometry (FA/AAS) and multi-element ICP by Acme Analytical Laboratories Ltd. of Vancouver, B.C.

The lab results for six elements (Au, Ag, As, Cu, Pb and Zn) were computer-plotted on 1:2,500 scale maps. Frequency distribution histograms, based upon lab data, were prepared for each element (Appendix D). Anomalous values were chosen using natural breaks in each histogram. For interpretation purposes, anomalous ranges for each element were plotted using geochemical contour maps (Figures 20-25). Copper, lead, zinc and gold, silver and arsenic compilation maps were prepared for interpretation (Figures 26 & 27). All statistical analysis was performed by Prime Geochemical Methods Ltd.

A trenching program consisting of eight hand trenches was initiated to investigate several areas of soil geochemical anomalies delineated from the 1995 soil sampling program. A total of 90.6 metres of hand trenching was completed. All trenches were geologically mapped and sampled. A total of 112 rock samples was collected, 94 samples from all trenches and 18 samples from different mineralized rock types within the property area. All trenches were filled back in and grass seeded at the end of the program.

7.0 1996 RESULTS

7.1 PROPERTY GEOLOGY (Figures 4 & 5, Map 1)

The first map produced of the Lee Lake peninsula and adjacent shorelines was produced by the Mining Company of Canada at a scale of 1 inch = 500 feet as part of the Bobmac Mines' exploration program. The area geology was described as consisting of a northwest trending volcanic-sedimentary sequence at least 4,000 feet "thick", bounded at the west by massive granodiorite and cut by a parallel 1,000 to 1,500 foot wide granodiorite zone near the northwest shore. All quartz veins examined were within the volcanic-sedimentary sequence.

The geology was refined in 1980 and work compiled by Nevin Sadlier-Brown Goodbrand Ltd. (NSGB) included an outcrop map (Figure 4) and geology map (Figure 5). The following geological description was excerpted from NSBG reports (1980, 1994).

7.1.1 LITHOLOGY

The claims are underlain in the north by a sequence of metavolcanic and sedimentary rocks which form a roof pendant in a granodiorite intrusive which is exposed in the southern part of the property near Nenahlmai Lagoon.

The metavolcanic rocks range in composition from basalt to andesite, and locally form greenstones. Along Nenahlmai Lagoon they consist of light, greenish brown andesite with some remnant pillow structures. A siliceous tuff marks the contact with the adjacent metasedimentary rocks. Exposures on the shore of McKinnon Lagoon consist mainly of massive greenstone but with some intervals of strong foliation.

The metasedimentary rocks are comprised of dark grey, slaty argillites which exhibit local silicification. North of the contact, with the intrusive rocks in the central part of the claim group, the argillite contains interbeds of altered tuff which weather a light buff colour.

The intrusive rocks in the southern part of the property range in composition from strongly foliated granodiorite to fine grained diorite. Gabbroic plugs locally cut both the pendant and intrusive rocks.

The rocks throughout the property area are cut by many small, widely scattered quartz veins. The slaty argillite unit in the northern part of the claim group is also cut by large continuous quartz veins up to 2 metres wide.

The claims lie immediately east of the Malaspina Fault which passes through Nenahlmai Lagoon on a bearing of 305°. This orientation is reflected in the general trend of the local structural elements including the major geological boundaries on the property. A set of faults striking at about 291° and dipping to the north at about 74°, parallel the major quartz vein system within the slaty argillite.

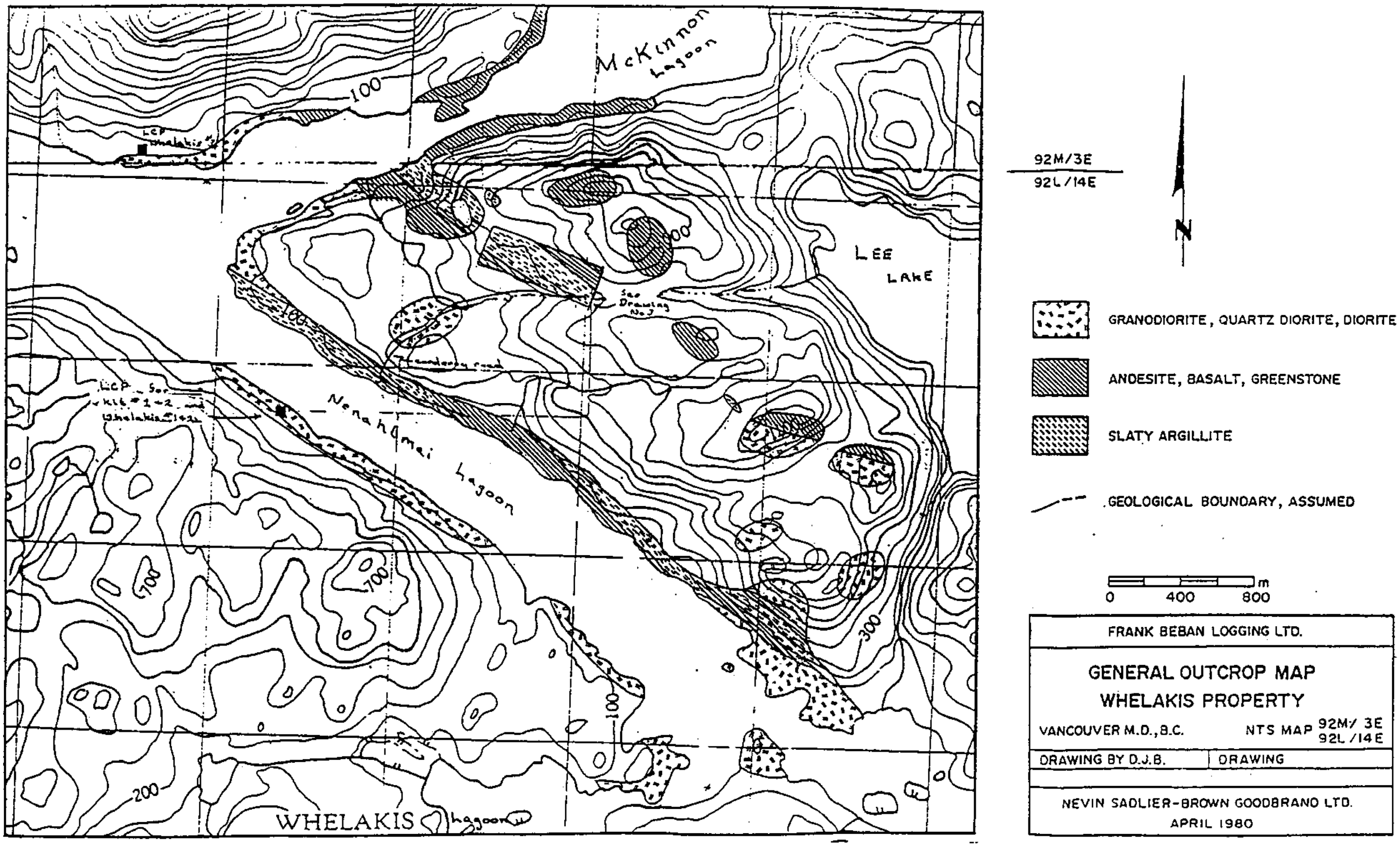
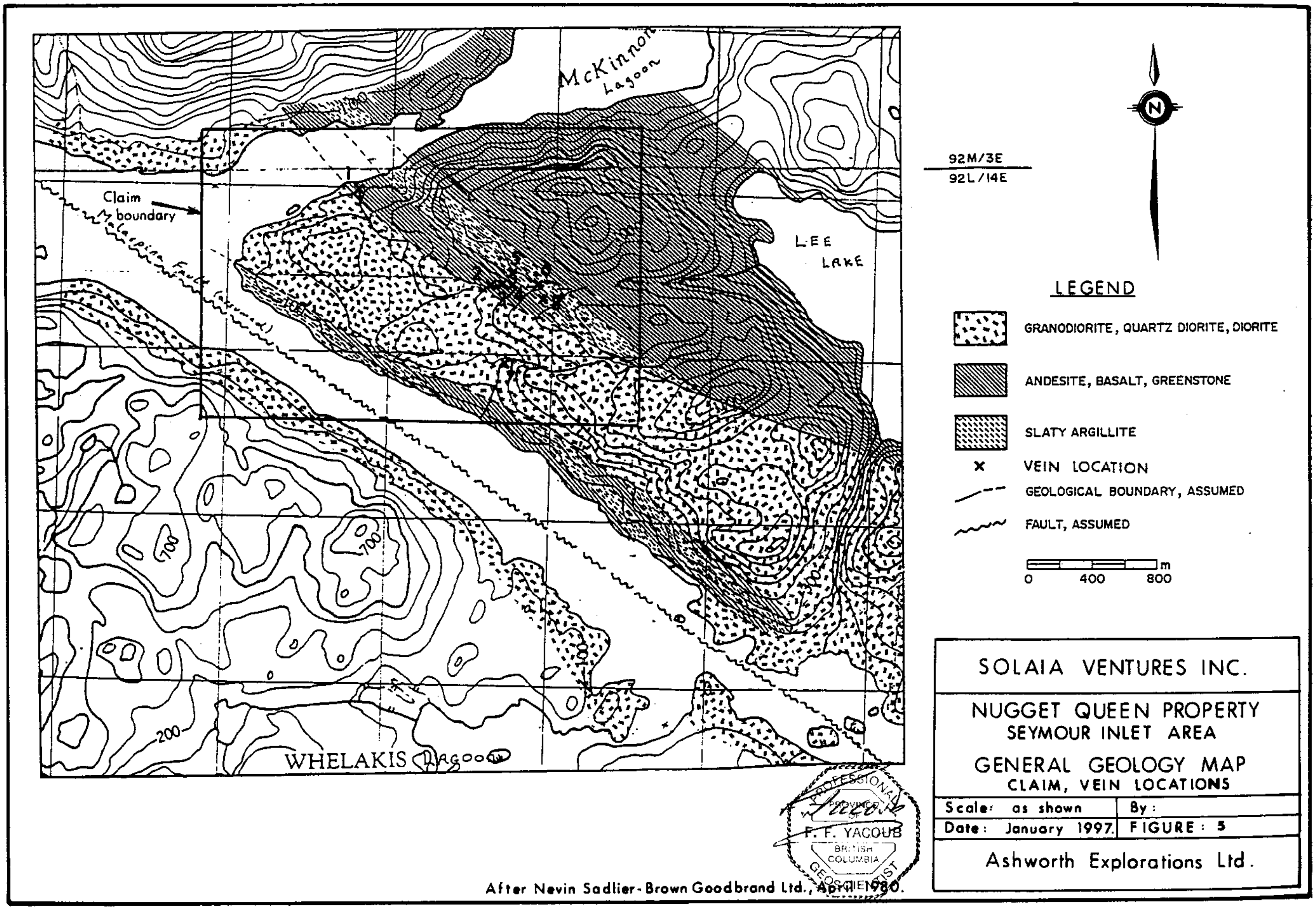

McKinnon Lagoon
Lee Lake
Nenahlmai Lagoon
WHELAKIS Lagoon
100
700
700
200
300
100
92M/3E
92L/14E
N
GRANODIORITE, QUARTZ DIORITE, DIORITE
ANDESITE, BASALT, GREENSTONE
SLATY ARGILLITE
GEOLOGICAL BOUNDARY, ASSUMED
m
0
400
800
FRANK BEBAN LOGGING LTD.
GENERAL OUTCROP MAP
WHELAKIS PROPERTY
VANCOUVER M.D., B.C.
NTS MAP 92M/ 3E 92L /14E
DRAWING BY D.J.B.
DRAWING
NEVIN SADLIER-BROWN GOODBRAND LTD.
APRIL 1980

FIGURE 4


McKinnon Lagoon
LEE LAKE
Claim boundary
Malaspina Fault (assumed)
WHELAKIS LAGOON
700
200
300
92M/3E
92L/14E
N
LEGEND
GRANODIORITE, QUARTZ DIORITE, DIORITE
ANDESITE, BASALT, GREENSTONE
SLATY ARGILLITE
VEIN LOCATION
GEOLOGICAL BOUNDARY, ASSUMED
FAULT, ASSUMED
0 400 800 m
SOLAIA VENTURES INC.
NUGGET QUEEN PROPERTY
SEYMOUR INLET AREA
GENERAL GEOLOGY MAP
CLAIM, VEIN LOCATIONS
Scale: as shown
By:
Date: January 1997
FIGURE: 5
Ashworth Explorations Ltd.
PROFESSIONAL
PROVINCE OF
F. F. YACOUB
BRITISH COLUMBIA
GEOSCIENTIST
After Nevin Sadlier-Brown Goodbrand Ltd., April 1980.

Geology observed during the 1996 field program consisted mainly of exposures within the small streams and rivers on the property, and rocks exposed in trenches.

Trenches cut within country rock during the 1996 program revealed metasediments. These rocks consisted of a dark grey, banded pyritic argillite marked by tight folding and foliation. Thin interbeds of light buff coloured tuff occur throughout the metasediments. At trench T-11, a siliceous tuff marks the boundary between the metasediments and metavolcanics. The sediments generally strike NW and dip to the NE.

Thin section H6, observed by Dr. E. W. Grove as part of the 1995 program, revealed a very fine grained, well foliated rock marked by micro-kink banding. The thin section contained scattered brown biotite, fine grained quartz, magnetite, pyrite and calcite.

Alteration within the sediments exposed in trenches was observed as silicification with moderate to strong hematitic/limonitic oxidation. Small mineralized veins exposed within the trenches consisted mainly of quartz containing disseminated pyrite, galena, with minor chalcopyrite and sphalerite. These veins are described in detail in the trench descriptions.

Metavolcanic rocks were exposed in the vicinity of trenches T-10, T-11 and T-14, in the eastern portion of the grid. T-11 exposed a contact between the metasediments/metavolcanics, and this boundary was marked by a buff coloured siliceous tuff unit.

In a hand specimen, the metavolcanic appears as a massive, fine grained greenish coloured rock. A thin section of this material, observed by Dr. E. W. Grove as part of the 1995 program, revealed mainly secondary quartz, calcite and sericite with rare remnant plagioclase. Strong hematitic/limonitic oxidation and MnO_2 staining was observed in most exposures. Mineralization was observed as minor disseminated pyrite.

7.2 MINERALIZATION (Figures 6-10)

Previous and recent mineral exploration on the property has outlined a favourable geologic environment for quartz vein gold deposits. During the 1996 program, the writer observed that mineralization on the property is specifically related to fault and fracture zones. The sulphide minerals included mainly galena, sphalerite, pyrrhotite, chalcopyrite and pyrite. Mineral showings on the Nugget-Queen claim group included eight known quartz veins localized along shear systems within the metasediments, and partly in altered volcanic. Seven veins were originally located by the Mining Company of Canada, and one new vein was discovered by Ashworth Explorations Ltd. during the 1996 field work program.

7.2.1 No. 1 VEIN (Figure 6)

The No. 1 vein is located at the northern part of the Nugget claims and consists of three quartz veins varied in thickness from 1 to 3.5 metres, exposed in a creek bed at approximately 100 metres south of McKinnon Lagoon and exhibits milky, massive barren veins hosted by argillitic metasediments. No sulphide mineralization was observed. The veins are parallel with a general attitude of N40°E and dipping 85° NW. Three chip samples were collected from the veins during the 1996 program. All samples returned low values in gold and base metals.

7.2.2 No. 2 VEIN (Figure 5)

The No. 2 vein, also known as the West vein, is located just west of the No. 3 vein and is hosted by volcanic rocks. Sampling of the No. 2 vein returned gold values between 0.018 opt and 0.126 opt. The preceding vein analyses were not used to calculate average grades because of the lack of vein sample widths and irregular sample spacing.

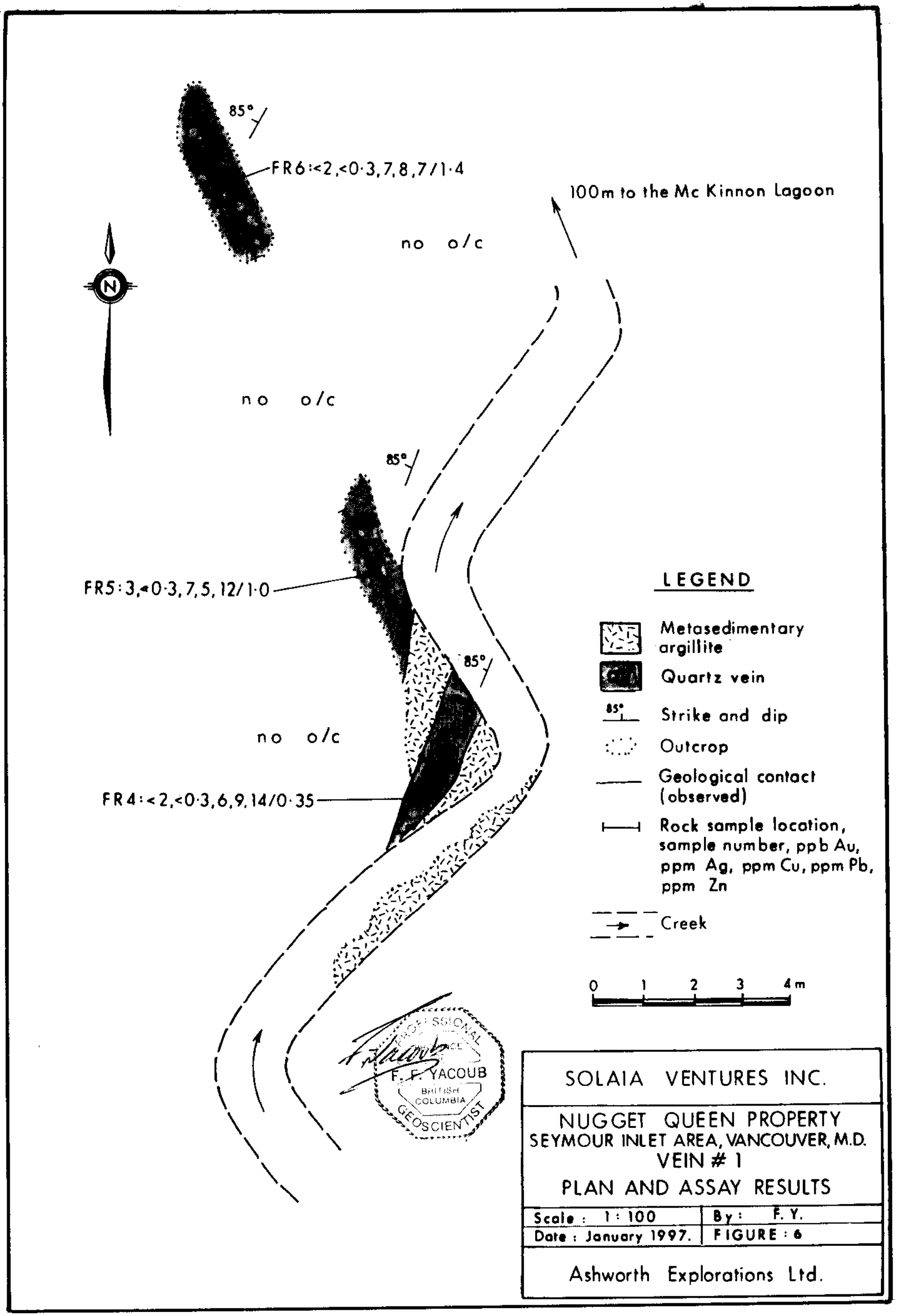
7.2.3 No. 3 VEIN (Figure 8)

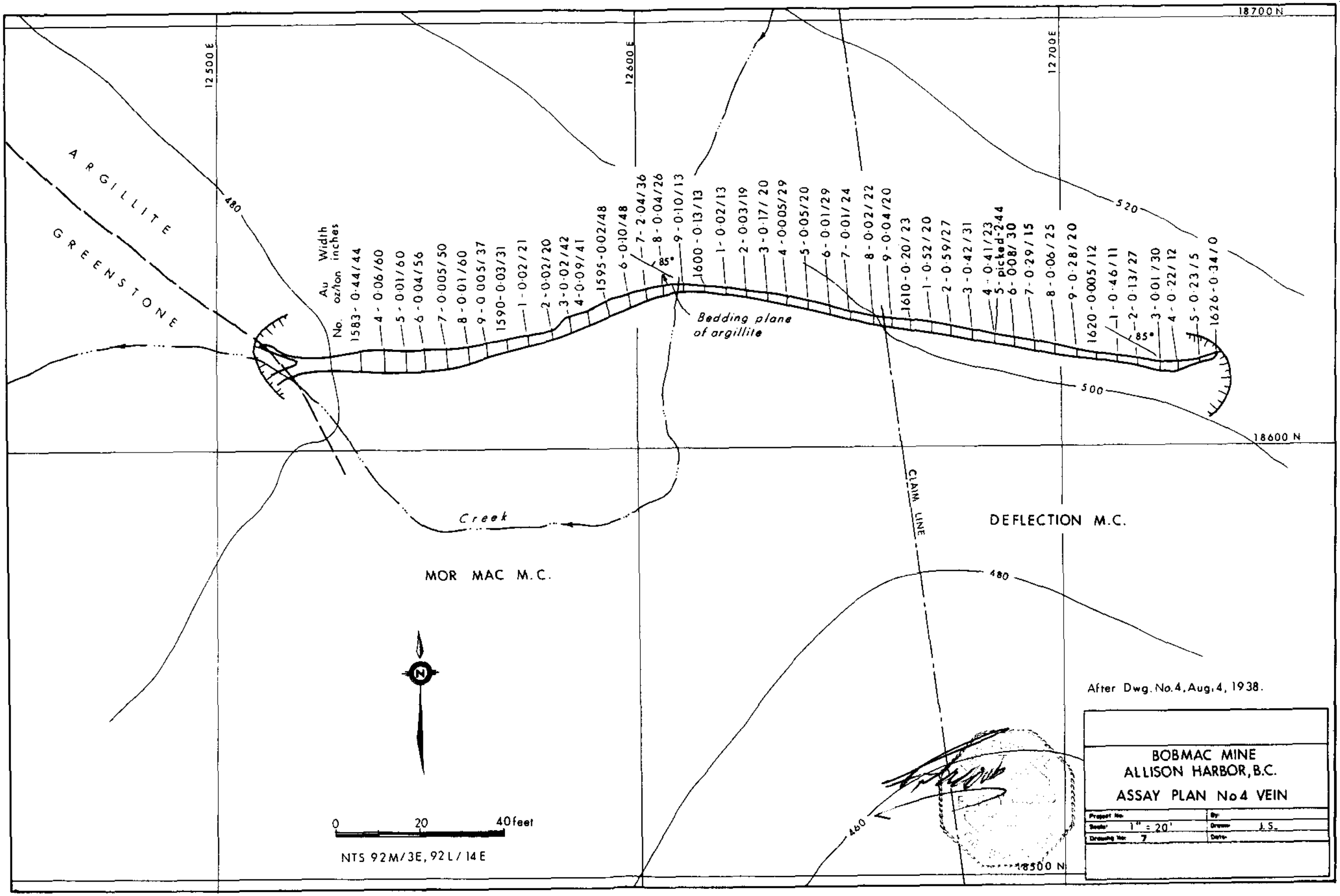
The No. 3 vein, also known as the South vein, is exposed continuously for 250 feet. The vein widths vary from a few inches to 5 feet and was sampled in 1938 by Bobmac Mines. Eight vein samples taken over a length of about 41 metres, at an irregular spacing, gave results which ranged from a low of 2.45 g/tonne Au (0.07 opt), and 0.2 g/tonne Ag (0.005 opt) over a width of 20 centimetres to a high of 475.44 g/tonne Au (13,865 opt) and 135.6 g/tonne Ag (3.98 opt) over a width of 35 centimetres (Figure 8). The simple uncut average for the eight samples is about 63 g/tonne Au (1.84 opt), 19 g/tonne Ag (0.55 opt), 83 ppm Cu, 150 ppm Pb and 17 ppm Zn across an average width of 31 centimetres. A simple average of the seven samples results reported by NSBG was about 29.22 g/tonne Au (0.85 opt) and 142 g/tonne Ag (4.14 opt).

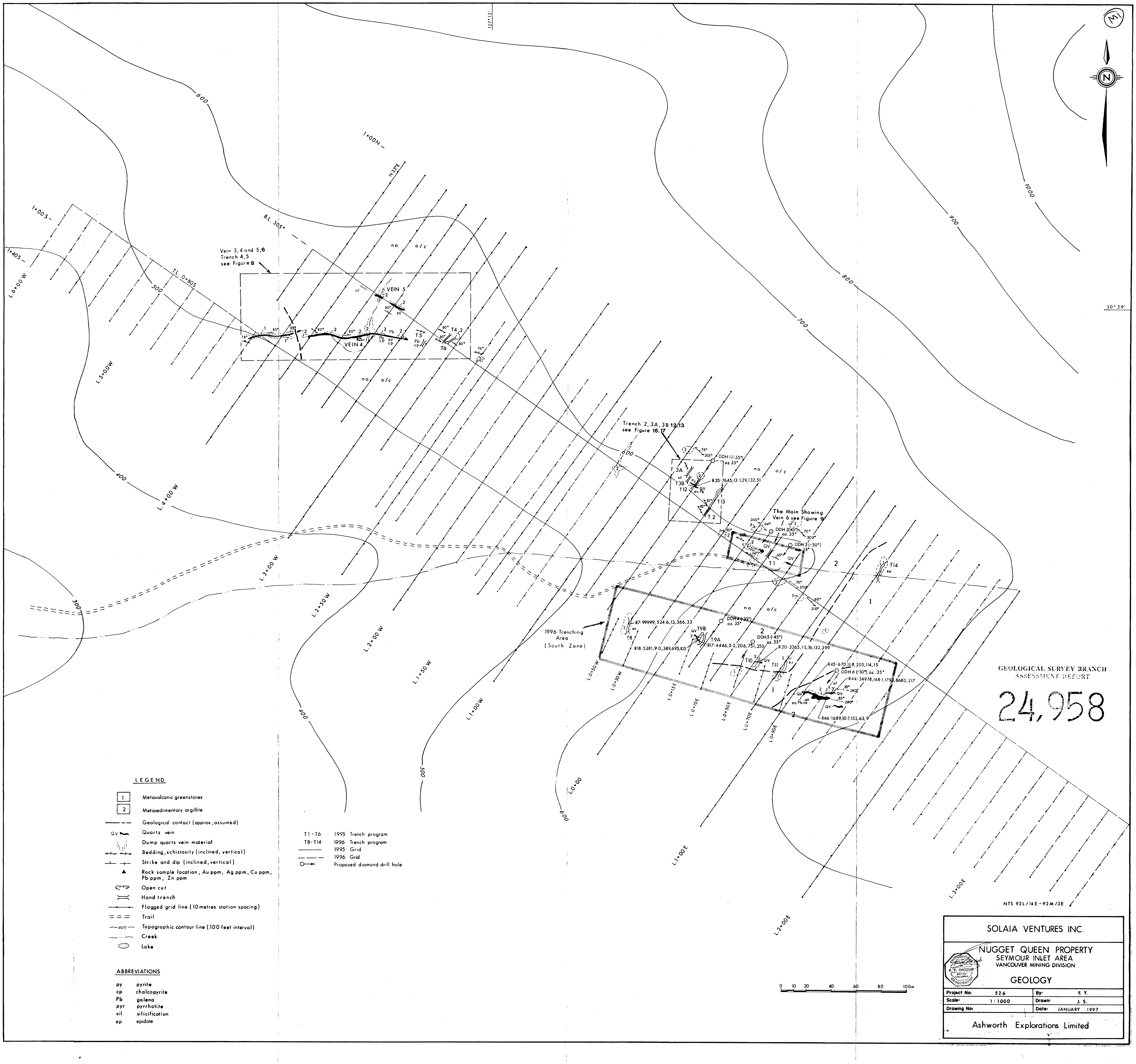
7.2.4 No. 4 VEIN (Figures 7 & 8)

This vein is located just 15 metres east of the No. 3 vein and is exposed continuously for 250 feet with widths varying from a few inches to five feet. The vein is described as milky quartz with an irregular sulphide content which includes chalcopyrite, bornite, galena, sphalerite, pyrite, pyrrhotite and magnetite as well as angular wall rock fragments lying within a west-northwesterly trending, steeply dipping shear.

The No. 4 vein was sampled in detail by Ashworth Explorations and the results of the seventeen samples gave values from 5 ppb to 3,990 ppb Au, and a high of 5.38 opt Ag with significant copper, lead and zinc. The weighted, uncut average grade of the vein was calculated as 22.31 g/tonne Au (0.65 opt), 30.4 g/tonne Ag (0.88 opt), 371 ppm Cu, 3,374 ppm Pb and 494 ppm Zn over an average width of 49 centimetres and a length of 65 metres. This result is higher than sampling results produced by Bobmac Mines which gave an average of 5.69 g/tonne (0.166 opt) over an assay width of 0.7 metres (EMPR, PF 92L, 178).


85°
FR6:<2,<0·3,7,8,7/1·4
100m to the Mc Kinnon Lagoon
no o/c
N
no o/c
85°
FR5:3,<0·3,7,5,12/1·0
85°
no o/c
FR4:<2,<0·3,6,9,14/0·35
LEGEND
Metasedimentary argillite
Quartz vein
Strike and dip
Outcrop
Geological contact (observed)
Rock sample location, sample number, ppb Au, ppm Ag, ppm Cu, ppm Pb, ppm Zn
Creek
0 1 2 3 4 m
F. F. YACOUB
BRITISH COLUMBIA
GEOSCIENTIST
SOLAIA VENTURES INC.
NUGGET QUEEN PROPERTY
SEYMOUR INLET AREA, VANCOUVER, M.D.
VEIN # 1
PLAN AND ASSAY RESULTS
Scale : 1 : 100
By : F. Y.
Date : January 1997.
FIGURE : 6
Ashworth Explorations Ltd.


BOBMAC MINE
ALLISON HARBOR, B.C.
ASSAY PLAN No 4 VEIN
After Dwg. No. 4, Aug. 4, 1938.
Scale 1" = 20'
Drawing No. 7
Drawn J.S.
ARGILLITE
GREENSTONE
No. Au oz/ton Width inches
1583 - 0·44/44
4 - 0·06/60
5 - 0·01/60
6 - 0·04/56
7 - 0·005/50
8 - 0·01/60
9 - 0·005/37
1590 - 0·03/31
1 - 0·02/21
2 - 0·02/20
3 - 0·02/42
4 - 0·09/41
1595 - 0·02/48
6 - 0·10/48
7 - 2·04/36
8 - 0·04/26
9 - 0·10/13
1600 - 0·13/13
1 - 0·02/13
2 - 0·03/19
3 - 0·17/20
4 - 0·005/29
5 - 0·05/20
6 - 0·01/29
7 - 0·01/24
8 - 0·02/22
9 - 0·04/20
1610 - 0·20/23
1 - 0·52/20
2 - 0·59/27
3 - 0·42/31
4 - 0·41/23
5 - picked - 2·44
6 - 0·08/30
7 - 0·29/15
8 - 0·06/25
9 - 0·28/20
1620 - 0·005/12
1 - 0·46/11
2 - 0·13/27
3 - 0·01/30
4 - 0·22/12
5 - 0·23/5
1626 - 0·34/0
85°
Bedding plane of argillite
Creek
MOR MAC M.C.
DEFLECTION M.C.
CLAIM LINE
12500 E
12600 E
12700 E
18700 N
18600 N
18500 N
480
520
500
460
N
0 20 40 feet
NTS 92M/3E, 92L/14E


LEGEND
1 Metavolcanic greenstones
2 Metasedimentary argillite
Geological contact (approx., assumed)
QV Quartz vein
Dump quartz vein material
Bedding, schistosity (inclined, vertical)
Strike and dip (inclined, vertical)
Rock sample location, Au ppm, Ag ppm, Cu ppm, Pb ppm, Zn ppm
Open cut
Hand trench
Flagged grid line (10 metres station spacing)
Trail
Topographic contour line (100 feet interval)
Creek
Lake
ABBREVIATIONS
py pyrite
cp chalcopyrite
Pb galena
pyr pyrrhotite
sil silicification
ep epidote
T1 - T6 1995 Trench program
T8 - T14 1996 Trench program
1995 Grid
1996 Grid
Proposed diamond drill hole
Vein 3, 4 and 5, 6 Trench 4, 5 see Figure 8
VEIN 5
VEIN 4
Trench 2, 3A, 3B 12, 13 see Figure 16, 17
The Main Showing Vein 6 see Figure 9
1996 Trenching Area (South Zone)
no o/c
B.L. 305°
TL 0+80S
GEOLOGICAL SURVEY BRANCH ASSESSMENT REPORT
24,958
NTS 92L/14E - 92M/3E
SOLAIA VENTURES INC.
NUGGET QUEEN PROPERTY
SEYMOUR INLET AREA
VANCOUVER MINING DIVISION
GEOLOGY
Project No: 526
By: F. Y.
Scale: 1:1000
Drawn: J. S.
Drawing No:
Date: JANUARY 1997
Ashworth Explorations Limited
0 10 20 40 60 80 100m

7.2.5 No. 5 VEIN (Figure 8)

This vein was exposed by trenching over a length of 250 feet, is located above the No. 4 vein and lies along a northwesterly shear zone. Mineralization within the vein includes milky quartz as lenses and stringers with minor sulphides. A total of six samples were collected across the vein width during the 1995 field work program and returned gold values ranging from 5 ppb to 0.38 opt. The No. 3, No. 4 and No. 5 veins combined are known as the West Showings.

7.2.6 No. 6 VEIN (Figure 9)

This vein is now known as the Main Showing. The vein was exposed by trenching in 1938 by Bobmac Mines. It is described as having a length of 95 feet with an irregular width from 20 inches to 5.5 feet. Mineralization consists of galena, sphalerite, pyrrhotite and chalcopyrite. During the period of 1940 to 1941, the vein was stoped and mined. Production records indicate that a total of 666 tonnes of ore was shipped to the Tacoma Smelter and a further 6 tonne shipment was made during 1949. Sampling of the vein during the 1996 program returned gold values as high as 1.313 opt.

7.2.7 No. 7 VEIN (Figure 5)

This vein was previously located by Bobmac Mines in a creek bed flowing south from Lee Lake at the northeastern part of the Queen claims. The vein is hosted by granodiorite and received little attention. During 1996, an unsuccessful attempt to relocate the vein was made.

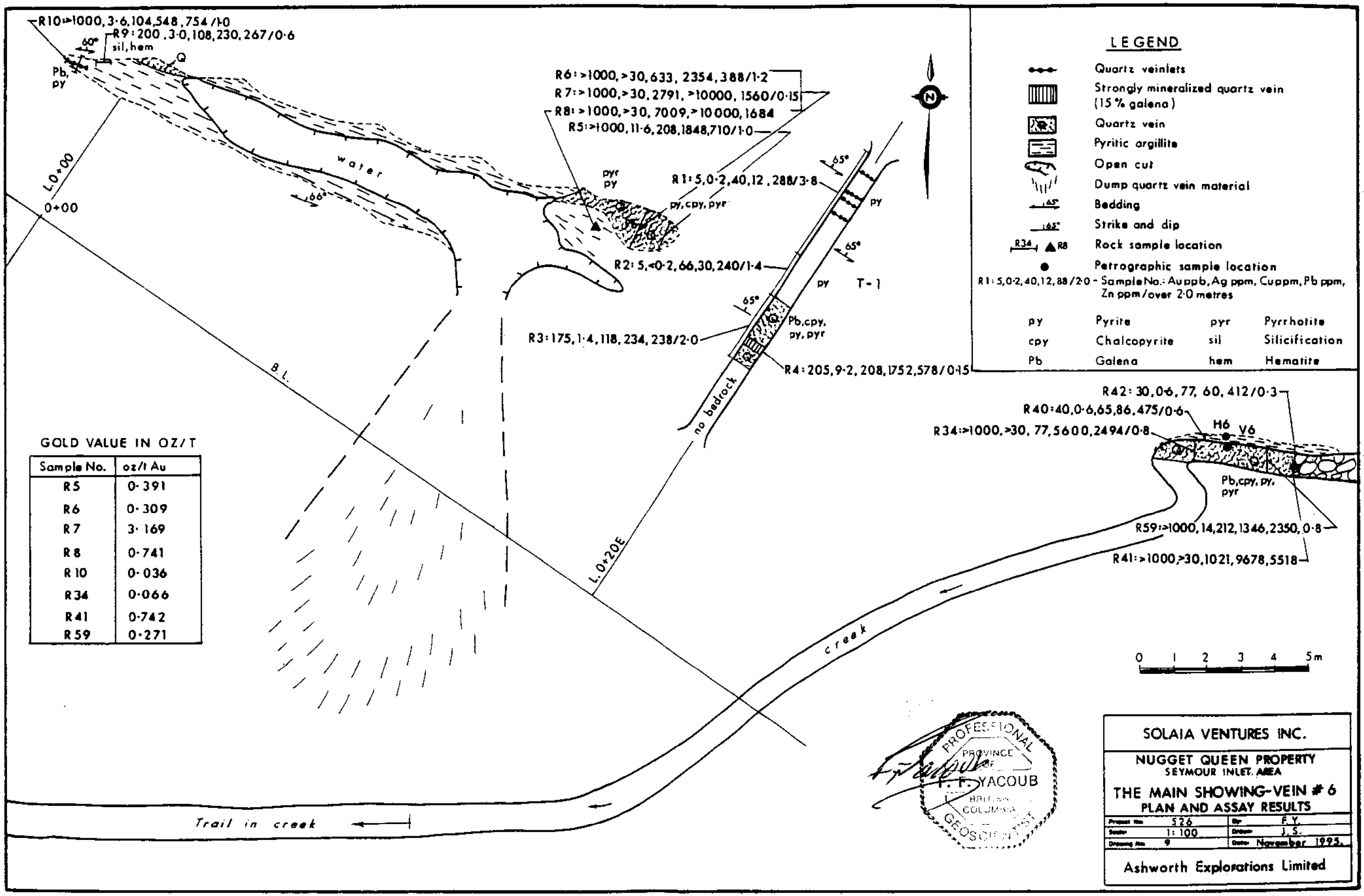
7.2.8 No. 8 VEIN (Figure 10)

During the 1996 program, a newly discovered mineralized quartz vein was located at L1+20E - 0+60S. The vein strikes 280°, dips 85°NE and was followed for approximately 20 metres along its strike. A more detailed investigation of the newly discovered vein is required. It is expected that the vein continues in both east and west directions.

The exposed part of the vein consists of mineralized milky quartz bounded to the north by silicified hematitic-limonitic, pyritic argillite. The vein is approximately 2.5 metres at its widest exposure. Mineralization within the vein consists of fine-grained pyrite, minor galena, chalcopyrite and sphalerite.

A total of three chip samples was collected across the vein. R44 was taken across 1 metre of the vein near station L1+20E - 0+60S, and this sample returned values of 34,978 ppb Au (1.119 opt). R45 was collected as a chip sample across 1 metre of the same mineralized quartz vein at the west end exposure. Mineralization consists of pyrite, minor galena and chalcopyrite. This sample yielded a gold value of 670 ppb (0.02 opt).

Sample R46 was another chip sample taken across 1 metre at the eastern end of the vein exposure and returned 1,689 ppb Au (0.05 opt).



GOLD VALUE IN OZ/T

Sample No.	oz/t Au
R5	0·391
R6	0·309
R7	3·169
R8	0·741
R10	0·036
R34	0·066
R41	0·742
R59	0·271

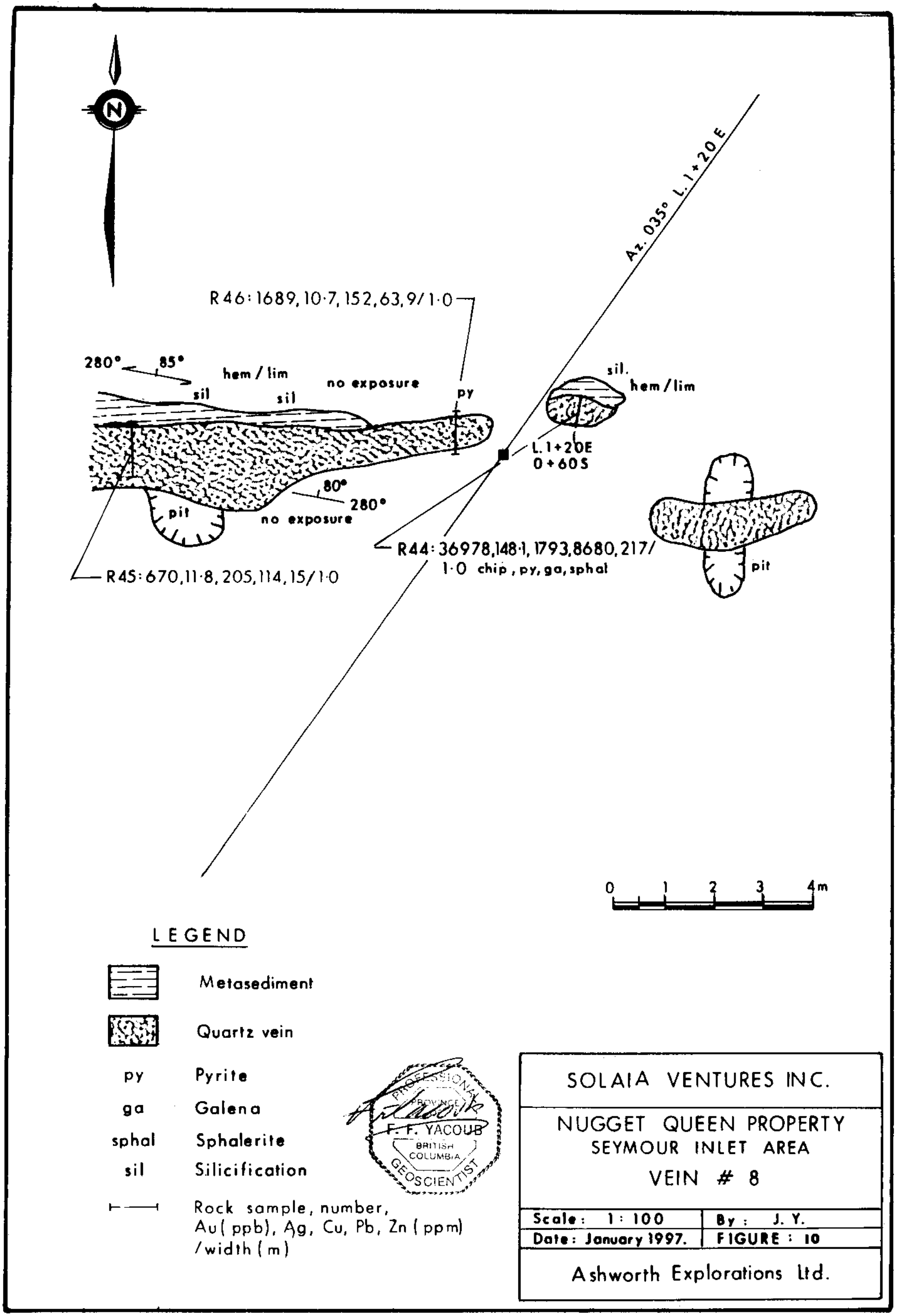
SOLAIA VENTURES INC.

NUGGET QUEEN PROPERTY
SEYMOUR INLET AREA

THE MAIN SHOWING-VEIN # 6
PLAN AND ASSAY RESULTS

Project No.	526	By	F.Y.
Scale	1:100	Drawn	J.S.
Drawing No.	9	Date	November 1995.

Ashworth Explorations Limited


N
Az. 035° L.1+20E
R46: 1689, 10·7, 152, 63, 9/1·0
280°
85°
hem / lim
sil
sil
no exposure
py
sil.
hem/lim
L.1+20E
0+60S
80°
280°
pit
no exposure
R44: 36978, 148·1, 1793, 8680, 217/
1·0 chip, py, ga, sphal
pit
R45: 670, 11·8, 205, 114, 15/1·0
0 1 2 3 4m
LEGEND
Metasediment
Quartz vein
py Pyrite
ga Galena
sphal Sphalerite
sil Silicification
Rock sample, number, Au (ppb), Ag, Cu, Pb, Zn (ppm) /width (m)
PROFESSIONAL
PROVINCE
F. F. YACOUB
BRITISH COLUMBIA
GEOSCIENTIST
SOLAIA VENTURES INC.
NUGGET QUEEN PROPERTY
SEYMOUR INLET AREA
VEIN # 8
Scale: 1:100
By: J. Y.
Date: January 1997.
FIGURE: 10
Ashworth Explorations Ltd.

7.3 1996 TRENCHING PROGRAM (Map 1, Figures 11-18)

The purpose of the 1996 trenching program was to test known gold, silver, copper, lead and zinc soil geochemical anomalies previously detected by soil sampling during the 1995 field work program, and to also test gold-bearing mineralization previously defined as mineralized quartz veins exposed on surface.

A total of 90.6 metres of hand trenching, demonstrated by eight trenches - T-8, T-9A, T-9B, T-10 and T-11, was completed within the 1996 target area. Three trenches, T-12, T-13 and T-14, were completed between the No. 5 and No. 6 vein to test the extension of the two veins.

The location of trenches completed during the 1996 trenching program are shown in Map 1. This map also shows a compilation of the geology, anomalous gold sample locations and geophysical anomalies. The locations, strike length and the trend of the trenches were chosen to intersect known soil geochemical anomalies associated with the VLF-EM conductor.

Five of the trenches in the target area trend NE and are spaced between 20 to 40 metres apart. The trench dimensions varied from 6.2 to 20 metres in strike length, 1 metre in width and from surface level to 2 metres in depth.

Exposure within the trenches was usually continuous along their lengths except in areas where talus accumulation was high. Exposure in between the trenches is poor and outcrops typically as metre-scale subcrop and frostheaved remnants.

7.3.1 TRENCH DESCRIPTIONS

A total of 50 trench panel samples was collected during the 1996 trenching program. Trench sample descriptions are listed in Appendix A.

Samples were collected primarily from quartz veins, veinlets and silicified zones in argillitic, metasediment country rock. Samples consisted of 1-2 kilograms of rock panel and/or unconsolidated material.

Complete rock geochemistry of samples collected are shown on each individual trench figure (Figures 11-18).

Descriptions of trenches and discussion of geochemical results are given below.

7.3.1.1 TRENCH 8 (Figure 11)

T-8 is centred at L0+40W - 1+00S, is 11.4 metres in length, approximately 1 metre wide and trends NE. A total of 6 panel samples were taken at 2 metre spacing within pyritic argillite which contained thin units of buff coloured tuff. These samples are described in detail in appendix A. The metasediments strike 300° with dips ranging from 68° to 72° to the NE.

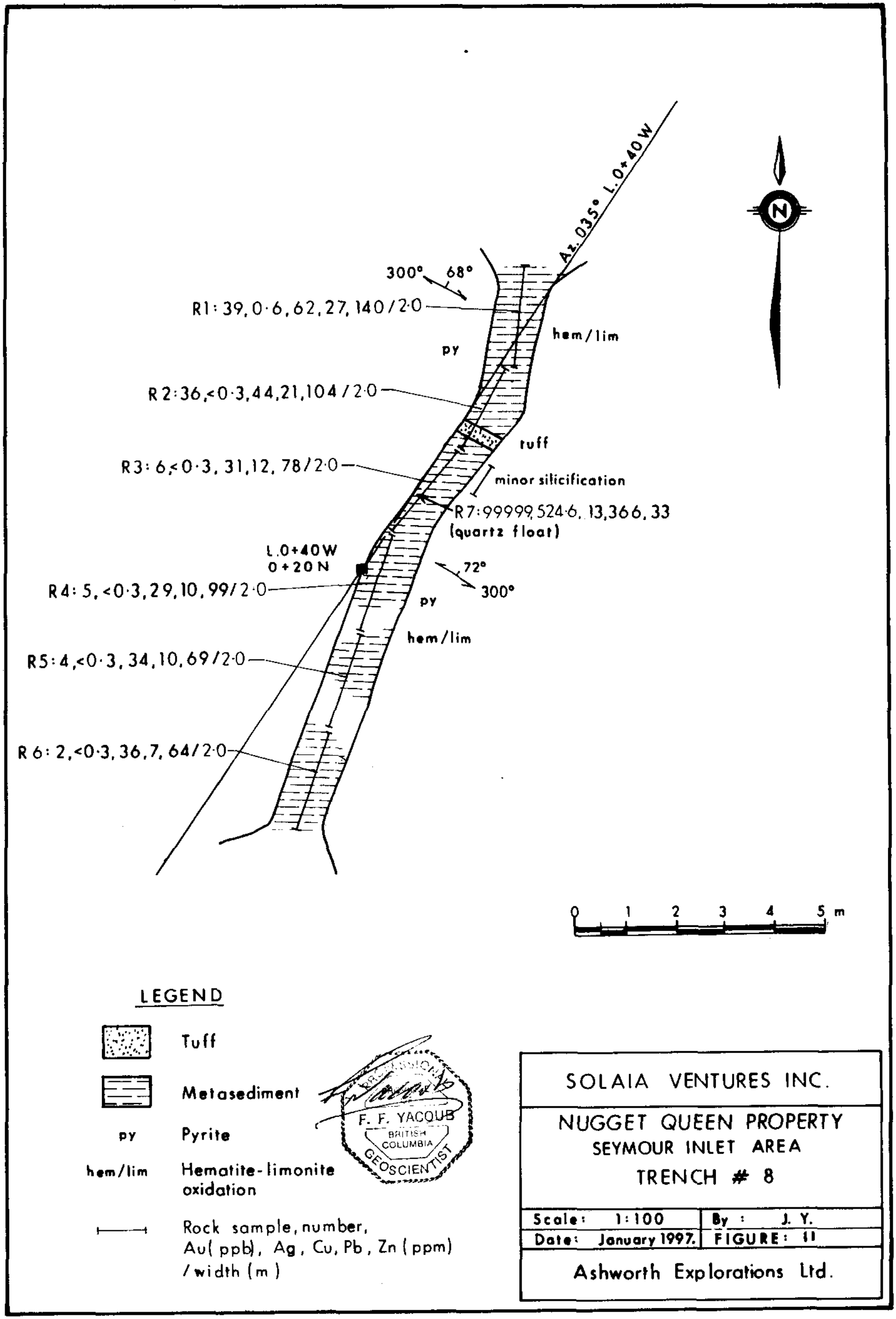
Alteration within the trench consists of weak to moderate hematitic/limonitic oxidation as well as minor silicification near the centre of the trench. Mineralization present within the sediments consists mainly of disseminated pyrite. All samples yielded relatively low Au values; the highest came from T8-R1 and returned a value of 39 ppb Au.

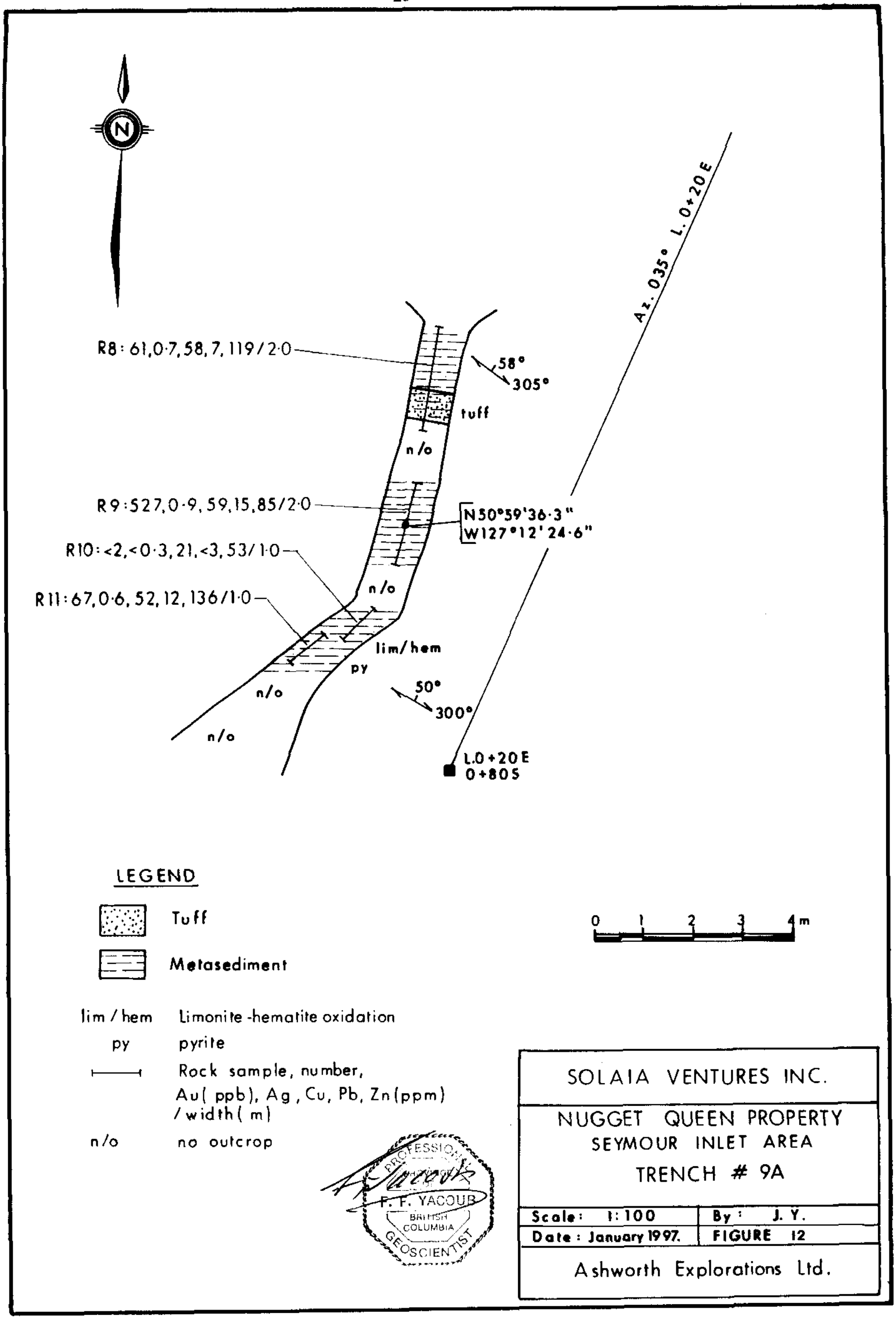
No quartz veins were intersected within T-8, although several large pieces of mineralized quartz float were found inside and near the centre of the trench. The fragments appeared very fresh and angular, suggestive of a proximal source. Mineralization within the quartz consists of disseminated pyrite with minor galena. Sample T8-R7 was a grab sample of this material and returned values of 99,999 ppb Au (detection limit) (3.19 opt), 524.6 ppb Ag and 366 ppm Pb.

7.3.1.2 TRENCH 9A (Figure 12)

The SW end of trench 9A is positioned approximately 3 metres west of L0+20E - 0+80S. The trench trends NE, is 11 metres in length and 1 metre wide. The trench is centred at coordinates N59° 59' 36.3", W127° 12' 24.6" and exposes pyritic argillitic bedrock along its length. The sediments strike 310° and dips vary from 50° to 60° NE. A total of 4 panel samples were taken from T-9A.

Alteration within the metasediments consists of moderate hematitic/limonitic oxidation with minor silicification. Mineralization was observed as disseminated pyrite within the metasediments. Sample T9A-R9 yielded an elevated gold value of 527 ppb, the highest obtained from this trench.


Az. 035° L.0+40W
N
300° 68°
R1: 39, 0·6, 62, 27, 140/2·0
hem/lim
py
R2: 36, <0·3, 44, 21, 104/2·0
tuff
R3: 6, <0·3, 31, 12, 78/2·0
minor silicification
R7: 99999, 524·6, 13, 366, 33
(quartz float)
L.0+40W
0+20N
72°
300°
R4: 5, <0·3, 29, 10, 99/2·0
py
hem/lim
R5: 4, <0·3, 34, 10, 69/2·0
R6: 2, <0·3, 36, 7, 64/2·0
0 1 2 3 4 5 m
LEGEND
Tuff
Metasediment
py Pyrite
hem/lim Hematite-limonite oxidation
Rock sample, number, Au(ppb), Ag, Cu, Pb, Zn (ppm) / width (m)
F. F. YACOUB
BRITISH COLUMBIA
GEOSCIENTIST
SOLAIA VENTURES INC.
NUGGET QUEEN PROPERTY
SEYMOUR INLET AREA
TRENCH # 8
Scale: 1:100
By: J. Y.
Date: January 1997.
FIGURE: 11
Ashworth Explorations Ltd.



N
Az. 035° L.0+20E
R8: 61,0·7,58,7,119/2·0
58°
305°
tuff
n/o
R9: 527,0·9,59,15,85/2·0
N50°59'36·3"
W127°12'24·6"
R10: <2,<0·3,21,<3,53/1·0
R11: 67,0·6,52,12,136/1·0
n/o
lim/hem
py
n/o
50°
300°
n/o
L.0+20E
0+80S
LEGEND
Tuff
Metasediment
lim / hem Limonite-hematite oxidation
py pyrite
Rock sample, number, Au(ppb), Ag, Cu, Pb, Zn(ppm) / width(m)
n/o no outcrop
0 1 2 3 4 m
PROFESSIONAL
F. F. YACOUB
BRITISH COLUMBIA
GEOSCIENTIST
SOLAIA VENTURES INC.
NUGGET QUEEN PROPERTY
SEYMOUR INLET AREA
TRENCH # 9A
Scale: 1:100
By: J. Y.
Date: January 1997.
FIGURE 12
Ashworth Explorations Ltd.

7.3.1.3 TRENCH 9B (Figure 13)

Trench 9B is situated 5 metres to the NW of Trench 9A, centred at coordinates N50° 59' 32.9", W127° 12' 32.3", is 9 metres in length, 1 metre wide and trends NE. A total of 7 samples were taken along the length of the trench.

The trench exposes pyritic argillite having a strike of 304° and dipping 64°NE. Alteration within the trench consists of hematitic/limonitic oxidation with moderate to strong silicification.

The SW end of the trench exposed a 3 metre wide alteration zone exhibiting strong silicification and local quartz veining, 10-12 centimetres wide. Mineralization observed in this zone consists of pyrite with minor chalcopyrite, galena and sphalerite within both the quartz and the surrounding altered sediments.

A chip sample across a 10-12 centimetre quartz vein within the middle of this zone, T9B-R18, yielded values of 5,381 ppb Au, 695 ppm Pb, 389 ppm Cu and 105 ppm Zn.

T9B-R17 was a chip sample taken across the entire 3 metre alteration zone and returned values of 4,446 ppb Au (0.14 opt), 751 ppm Pb, 206 ppm Cu, and 350 ppm Zn.

Other high values obtained from trench T9B include sample T9B-R16, a 1 metre by 3 metre panel sample taken within altered metasediments. This sample returned values of 156 ppb Au (0.005 opt), 1,641 ppm Pb, 66 ppm Cu and 830 ppm Zn.

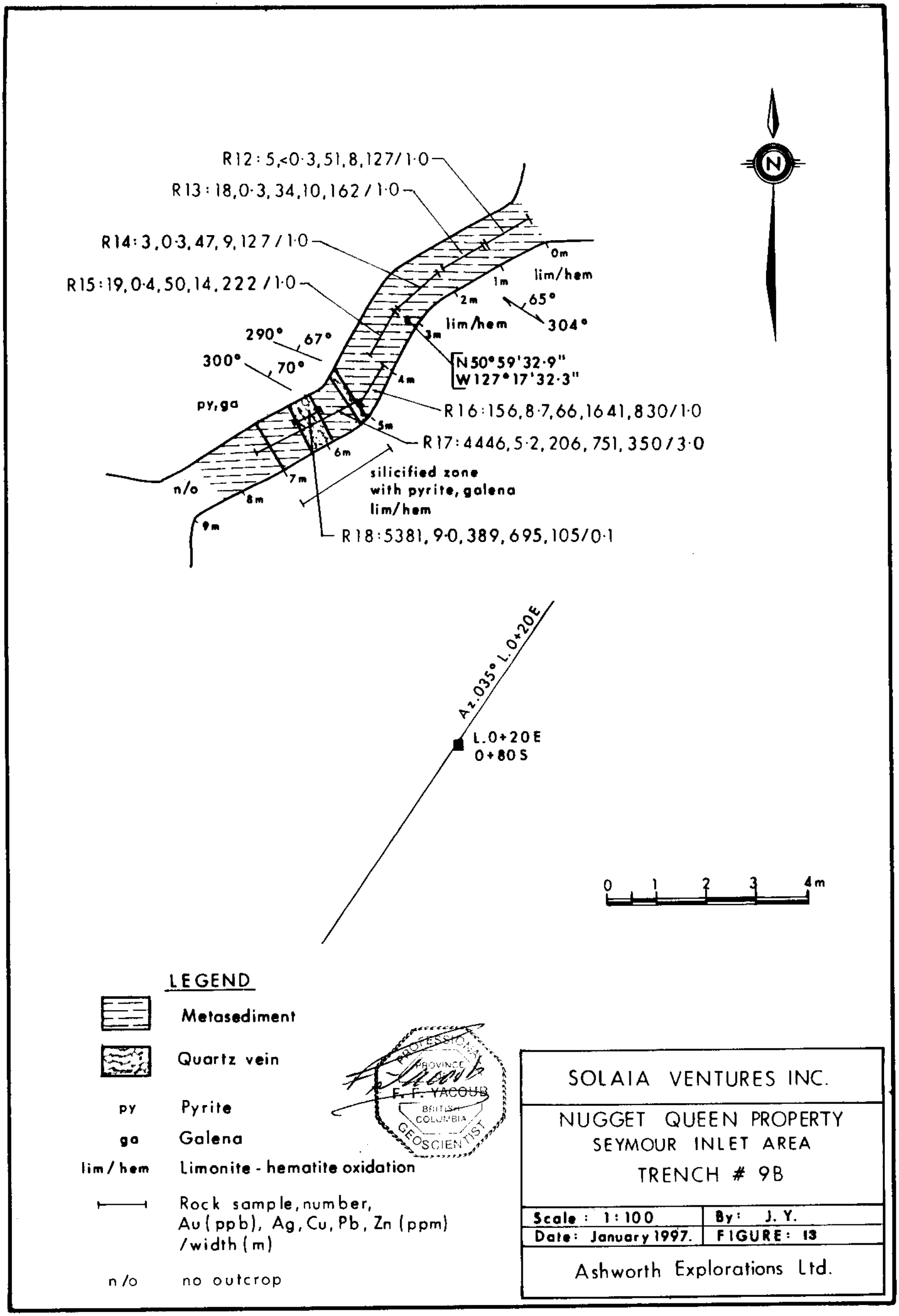
7.3.1.4 TRENCH 10 (Figure 14)

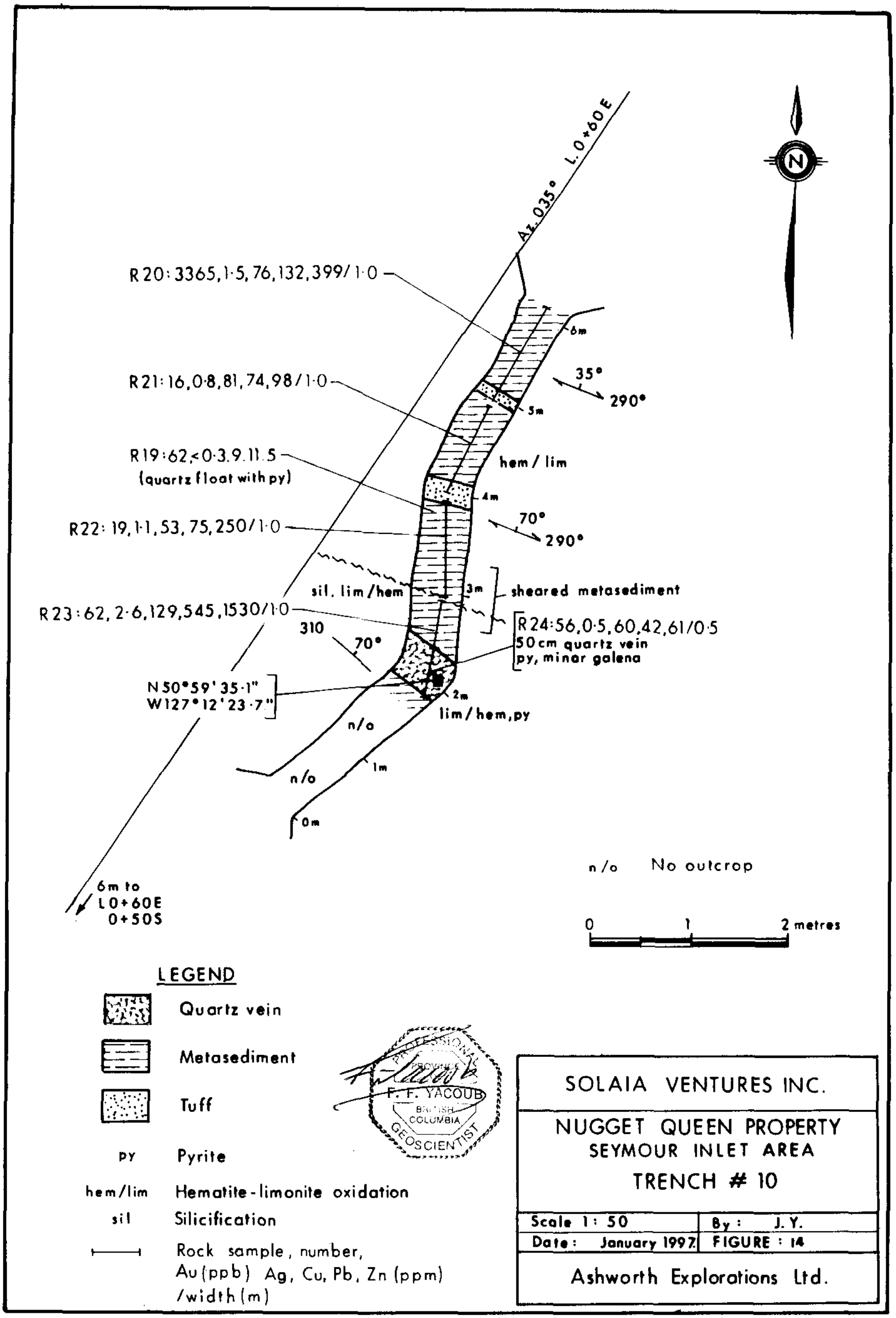
Trench 10 is centred at coordinates N50° 59' 35.1", W127° 12' 23.9", and its most northeastern end is 6 metres from station L0+60E - 0+80S. The trench is 6.2 metres in length, 1 metre wide and trends NE. A total of 5 panel samples and 1 float sample were taken from this trench.

T-10 exposes pyritic argillite containing thin interbeds of buff coloured tuff. The sediments strike from 290° to 310° and dips vary from 70° to 80° NE. Alteration within the sediments consists of hematitic/limonitic alteration with moderate to strong silicification. Mineralization observed consists of 1 to 2% disseminated pyrite.

A zone of strong alteration containing a 50 centimetre quartz vein was exposed at the 4 metre mark of the trench. This vein was found to strike 310° and dips 70° NE. Chip sample T10-R24 was taken across the vein and yielded values of 56 ppb Au, 42 ppm Pb, 60 ppm Cu, and 61 ppm Zn.

T10-R20 is a panel sample taken at the northeast end of the trench over a silicified zone and contains disseminated pyrite. Sediments here were moderately silicified and contained disseminated pyrite. This sample returned values of 3,365 ppb Au (0.12 opt), 132 ppm Pb, 76 ppm Cu and 399 ppm Zn.


R12 : 5,<0·3, 51, 8, 127/1·0
R13 : 18, 0·3, 34, 10, 162 / 1·0
R14 : 3, 0·3, 47, 9, 127 / 1·0
R15 : 19, 0·4, 50, 14, 222 / 1·0
0m
lim/hem
1m
2m
65°
304°
lim/hem
3m
290°
67°
300°
70°
N50°59'32·9"
W127°17'32·3"
4m
py,ga
R16 : 156, 8·7, 66, 1641, 830/1·0
5m
R17 : 4446, 5·2, 206, 751, 350 / 3·0
6m
silicified zone
with pyrite, galena
lim/hem
7m
n/o
8m
9m
R18 : 5381, 9·0, 389, 695, 105/0·1
Az.035° L.0+20E
L.0+20E
0+80S
0 1 2 3 4m
LEGEND
Metasediment
Quartz vein
py Pyrite
ga Galena
lim / hem Limonite - hematite oxidation
Rock sample, number,
Au (ppb), Ag, Cu, Pb, Zn (ppm)
/width (m)
n/o no outcrop
PROFESSIONAL
PROVINCE
F. F. YACOUB
BRITISH
COLUMBIA
GEOSCIENTIST
SOLAIA VENTURES INC.
NUGGET QUEEN PROPERTY
SEYMOUR INLET AREA
TRENCH # 9B
Scale : 1:100
By: J. Y.
Date: January 1997.
FIGURE: 13
Ashworth Explorations Ltd.


Az. 035° L.0+60E
R20: 3365, 1·5, 76, 132, 399/1·0
R21: 16, 0·8, 81, 74, 98/1·0
R19: 62, <0·3. 9. 11. 5
(quartz float with py)
R22: 19, 1·1, 53, 75, 250/1·0
R23: 62, 2·6, 129, 545, 1530/1·0
R24: 56, 0·5, 60, 42, 61/0·5
50 cm quartz vein
py, minor galena
6m
5m
4m
3m
2m
1m
0m
35°
290°
70°
290°
310
70°
hem / lim
sil. lim / hem
sheared metasediment
lim / hem, py
N 50°59'35·1"
W127°12'23·7"
n/o
n/o
6m to
L0+60E
0+50S
N
n/o No outcrop
0 1 2 metres
LEGEND
Quartz vein
Metasediment
Tuff
py Pyrite
hem/lim Hematite-limonite oxidation
sil Silicification
Rock sample, number,
Au (ppb) Ag, Cu, Pb, Zn (ppm)
/width (m)
PROFESSIONAL
PROVINCE
F. F. YACOUB
BRITISH COLUMBIA
GEOSCIENTIST
SOLAIA VENTURES INC.
NUGGET QUEEN PROPERTY
SEYMOUR INLET AREA
TRENCH # 10
Scale 1: 50
By: J. Y.
Date: January 1997
FIGURE: 14
Ashworth Explorations Ltd.

7.3.1.5 TRENCH 11 (Figure 15)

Trench 11 is centred at coordinates N56° 59' 39.2", W127° 12' 22.8", is 20 metres in length, 1 metre wide and trends NE. A total of 6 samples was collected.

T-11 exposes metasediments at the NE end and consists of pyritic argillite with thin interbeds of buff coloured tuff. The sediments strike from 310° to 320° and dips 80° NE. A contact between these metasediments and yellow-green weathered metavolcanics occurs at the centre of the trench.

Alteration within the trench consists of moderate to strong hematitic alteration and becomes more intense in the vicinity of the argillite-metavolcanic contact where mineralization occurs as disseminated pyrite. Weak to moderate silicification was observed within the metasediments, while pyrolusite (MnO_2) staining and epidote were prevalent within the metavolcanic unit.

Sample T11-R30 was a chip sample taken across a 10 centimetre quartz vein within the metavolcanic unit at the 9 metre mark which appeared to be barren of any mineralization. This sample returned gold value of 3 ppb Au. All panel samples taken along the length of the trench yielded low values, the highest gold value being from T11-R25 which returned values of 5 ppb Au, 10 ppm Pb, 45 ppm Cu and 109 ppm Zn.

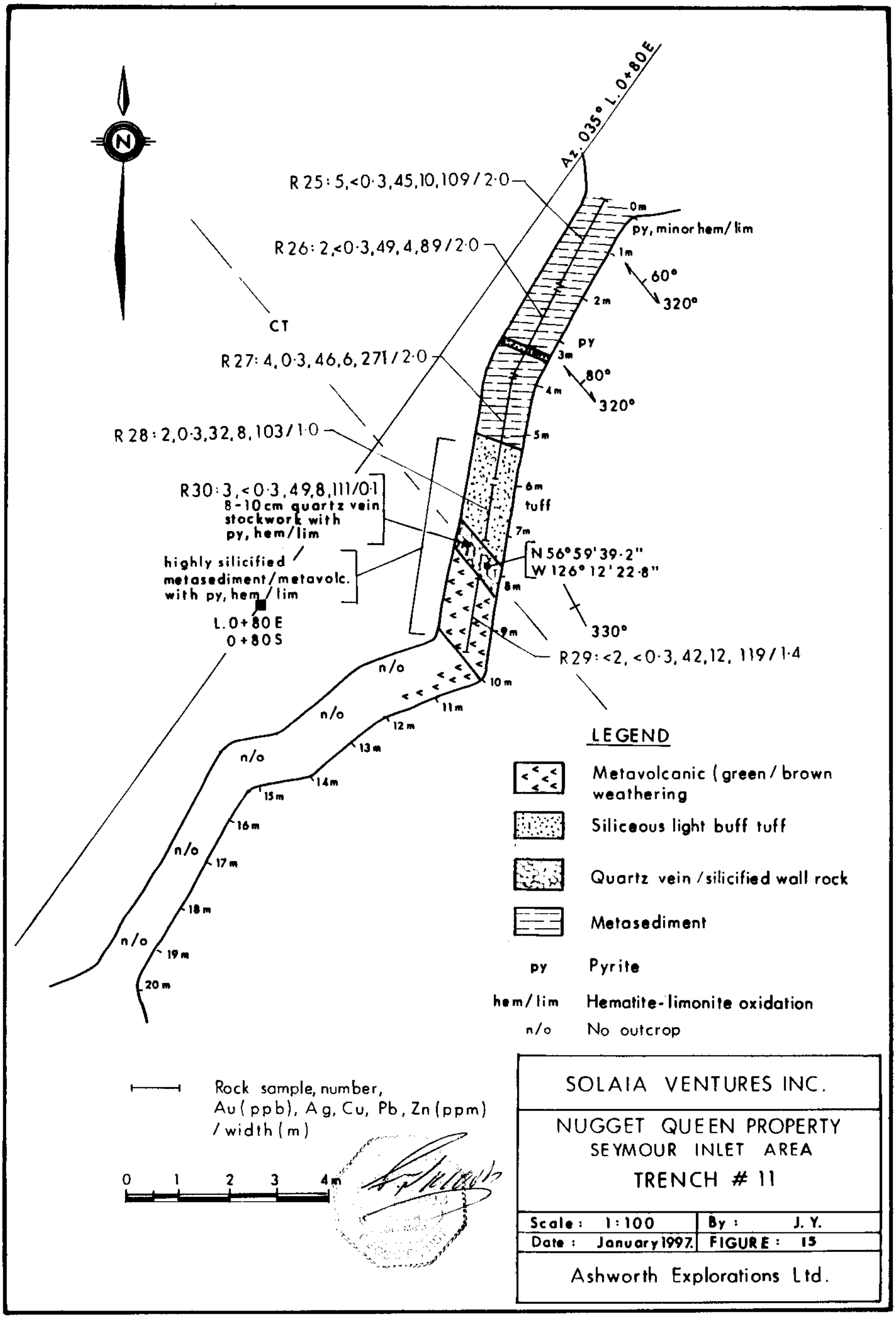
7.3.1.6 TRENCH 12 (Figure 16)

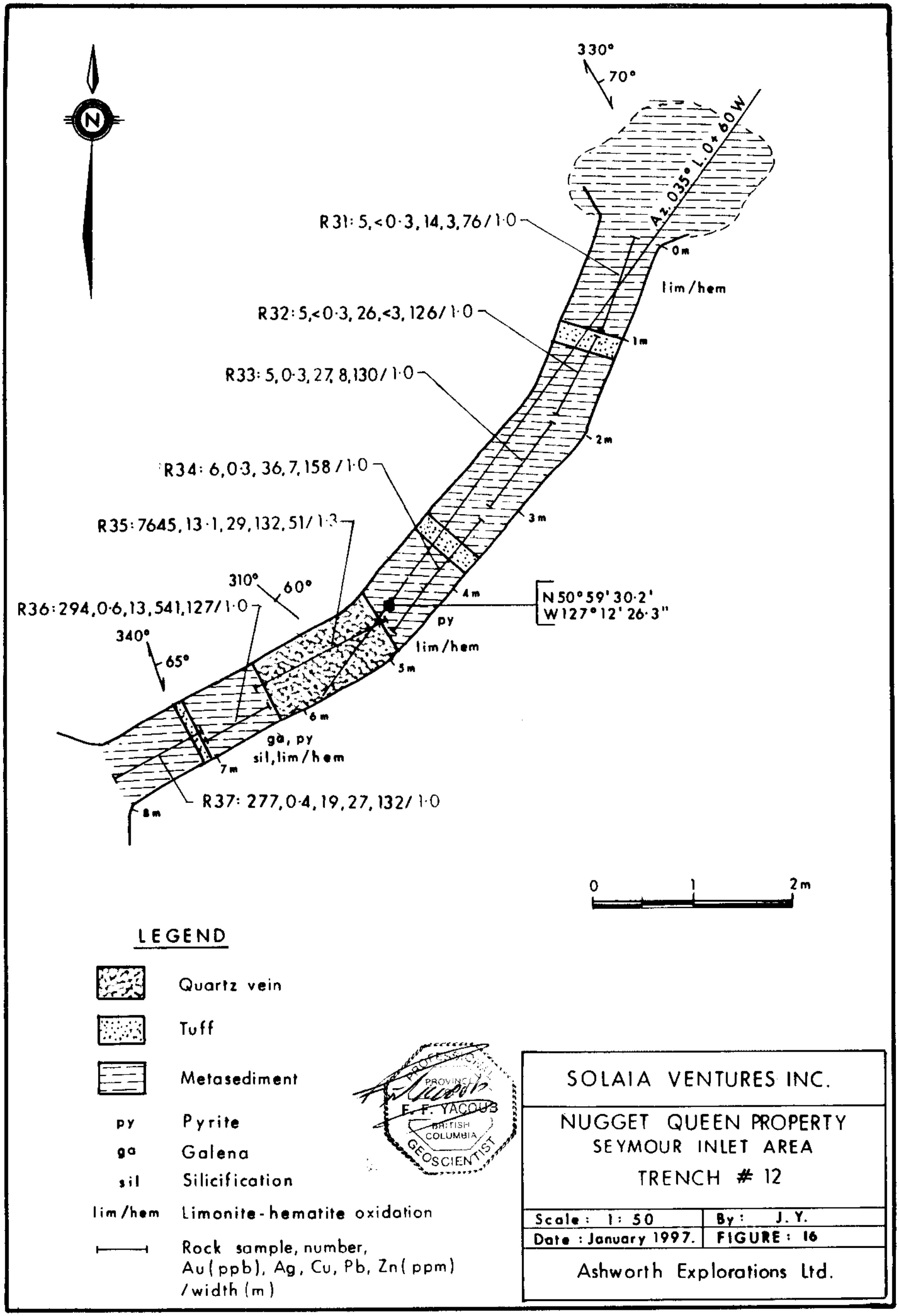
Trench 12 is centered at L0+60W - 0+20N at coordinates N50° 59' 30.2", W127° 12' 26.3", is 8 metres in length, 1 metre wide and trends NE. A total of 7 chip and panel samples was collected from this trench.

T-12 exposes metasediments consisting of argillite/pyritic argillite containing interbeds of buff coloured tuff along its length. The sediments strike from 330° to 340° and dips from 65° to 70° NE. Mineralization consists of disseminated pyrite within the argillite/tuff unit. The SW portion of the trench exposed a 1.3 metre quartz vein containing minor visible sulphides, mainly pyrite.

Alteration within the trench consists of strong hematitic/limonitic alteration in the argillite/tuff and moderate to strong silicification in the area of the exposed vein. T12-R35, a 1.3 metre chip sample taken across this vein, returned values of 7,645 ppb Au (0.24 opt), 132 ppm Pb, 29 ppm Cu and 51 ppm Zn.

T12-R36, a 1 metre chip sample taken near the SW end of the trench across silicified metasediments intercalated with quartz veinlets, returned values of 294 ppb Au, 141 ppm Pb, 13 ppm Cu and 127 ppm Zn. Sulphides observed within this section consisted of pyrite, minor galena and sphalerite.


N
Az. 035° L.0+80E
R25: 5,<0·3,45,10,109/2·0
R26: 2,<0·3,49,4,89/2·0
R27: 4,0·3,46,6,271/2·0
R28: 2,0·3,32,8,103/1·0
R30: 3,<0·3,49,8,111/0·1
8-10cm quartz vein stockwork with py, hem/lim
highly silicified metasediment/metavolc. with py, hem/lim
L.0+80E
0+80S
CT
py, minor hem/lim
60°
320°
py
80°
320°
tuff
N 56°59'39·2"
W 126°12'22·8"
330°
R29: <2, <0·3, 42,12, 119/1·4
0m
1m
2m
3m
4m
5m
6m
7m
8m
9m
10m
11m
12m
13m
14m
15m
16m
17m
18m
19m
20m
n/o
LEGEND
Metavolcanic (green/brown weathering
Siliceous light buff tuff
Quartz vein/silicified wall rock
Metasediment
py Pyrite
hem/lim Hematite-limonite oxidation
n/o No outcrop
Rock sample, number, Au(ppb), Ag, Cu, Pb, Zn (ppm) / width (m)
0 1 2 3 4m
SOLAIA VENTURES INC.
NUGGET QUEEN PROPERTY
SEYMOUR INLET AREA
TRENCH # 11
Scale: 1:100
By: J. Y.
Date: January 1997
FIGURE: 15
Ashworth Explorations Ltd.



N
330°
70°
Az. 035° L. 0+60W
R31: 5, <0·3, 14, 3, 76/1·0
0m
lim/hem
R32: 5, <0·3, 26, <3, 126/1·0
1m
R33: 5, 0·3, 27, 8, 130/1·0
2m
R34: 6, 0·3, 36, 7, 158/1·0
3m
R35: 7645, 13·1, 29, 132, 51/1·3
310°
60°
4m
N 50°59'30·2'
W 127°12'26·3"
R36: 294, 0·6, 13, 541, 127/1·0
py
lim/hem
340°
65°
5m
6m
ga, py
sil, lim/hem
7m
R37: 277, 0·4, 19, 27, 132/1·0
8m
0
1
2m
LEGEND
Quartz vein
Tuff
Metasediment
py Pyrite
ga Galena
sil Silicification
lim/hem Limonite-hematite oxidation
Rock sample, number, Au(ppb), Ag, Cu, Pb, Zn(ppm) /width (m)
PROFESSIONAL
PROVINCE
F. F. YACOUB
BRITISH COLUMBIA
GEOSCIENTIST
SOLAIA VENTURES INC.
NUGGET QUEEN PROPERTY
SEYMOUR INLET AREA
TRENCH # 12
Scale: 1: 50
By: J. Y.
Date: January 1997.
FIGURE: 16
Ashworth Explorations Ltd.

7.3.1.7 TRENCH 13 (Figure 17)

Trench 13 is an extension to the NE of trench T-2 from the 1995 field program, is centred at L0+40W - 0+20N at coordinates N50° 59' 35.4", W127° 12' 23.2", is 13 metres in length, 1 metre wide and trends roughly NE. A total of 6 panel samples was taken along the length of the trench.

T-13 exposes argillite/pyritic argillite interbedded with thin units of tuff, both of which are moderately silicified. Moderate limonitic-hematitic oxidation occurs throughout the exposed bedrock. The metasediments strike from 305° to 309° and dips 70° to the NE.

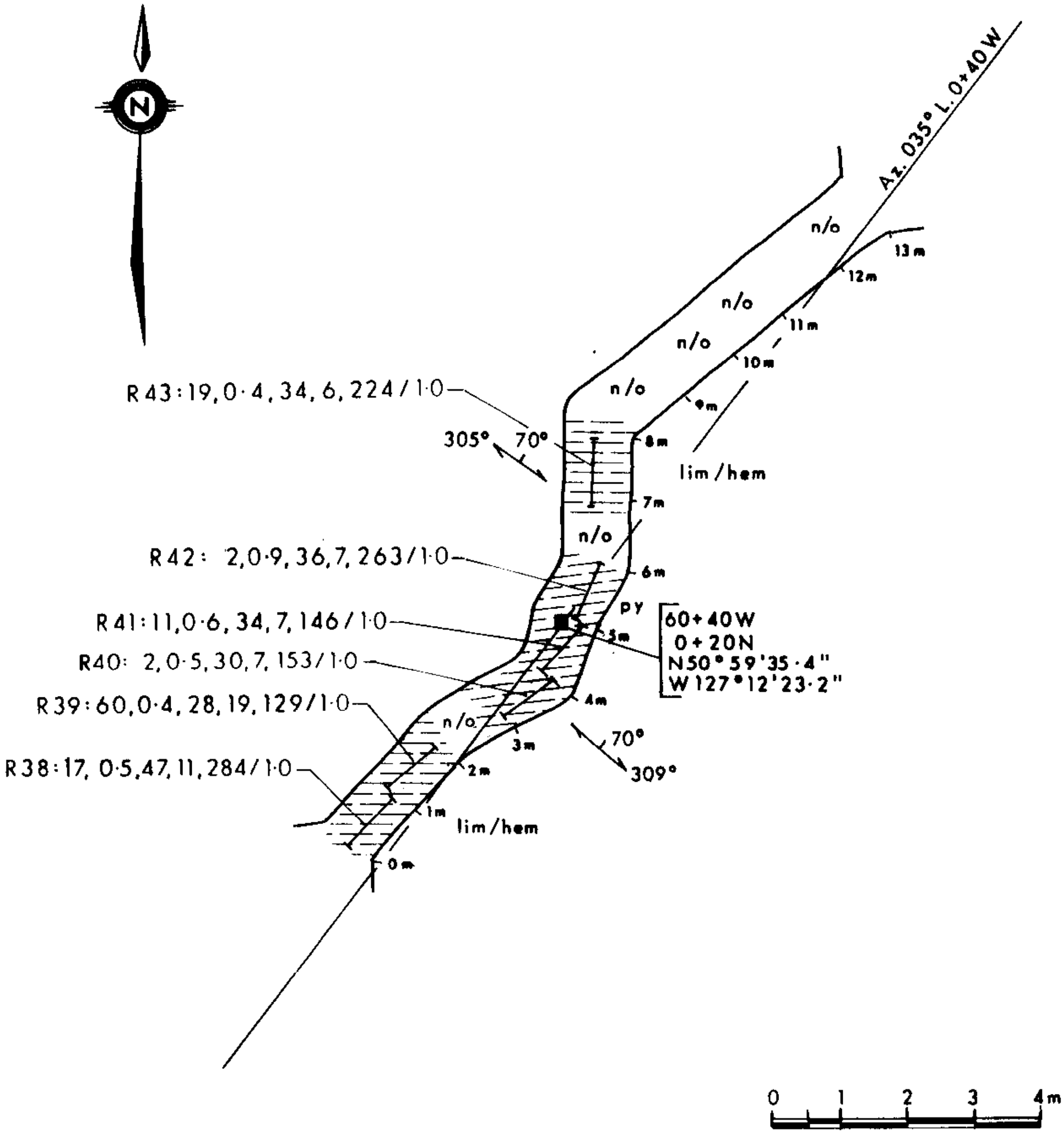
Sulphide mineralization is fairly scarce and consists of disseminated pyrite within the metasediments, particularly in areas of heavy hematitic-limonitic oxidation. Assay results of the 6 panel samples taken yielded low Au values, the highest being 60 ppb Au from T13-R39, a 1 metre by 0.3 metre panel sample taken within argillite at the SW end of T-13.

7.3.1.8 TRENCH 14 (Figure 18)

Trench 14 is centred at L1+00E - 0+50N at coordinates N50° 59' 34.8", W127° 12' 19.5", is 12 metres in length, 1 metre wide and trends roughly NE. The trench is bisected by a small stream at the 8 metre mark. No outcrop was exposed for the last 4 metres to the south of this stream. A total of 4 panel samples was taken along the exposed length of the trench.

T-14 exposes metavolcanic rock throughout its length. The metavolcanic bedrock in T-14 is composed of fine-grained andesite which weathers a greenish-brown colour on surface exposures. Thin veinlets of epidote are common throughout this section as well as a strong pervasive hematitic-limonitic oxidation. Staining from pyrolusite (MnO_2) was also observed along the length of the trench. Mineralization consists of minor pyrite disseminated throughout the volcanic.

All four panel samples, T14-R47 to T14-R50, yielded low gold values, the highest being 18 ppb Au taken from T14-R47, a 1 metre by 0.5 metre panel sample taken at the NE end of the trench.



LEGEND

(hatched box)	Metasediment
n/o	No outcrop
lim/hem	Limonite-hematite oxidation
(line symbol)	Rock sample, number, Au (ppb), Ag, Cu, Pb, Zn (ppm) / width (m)

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PROVINCE
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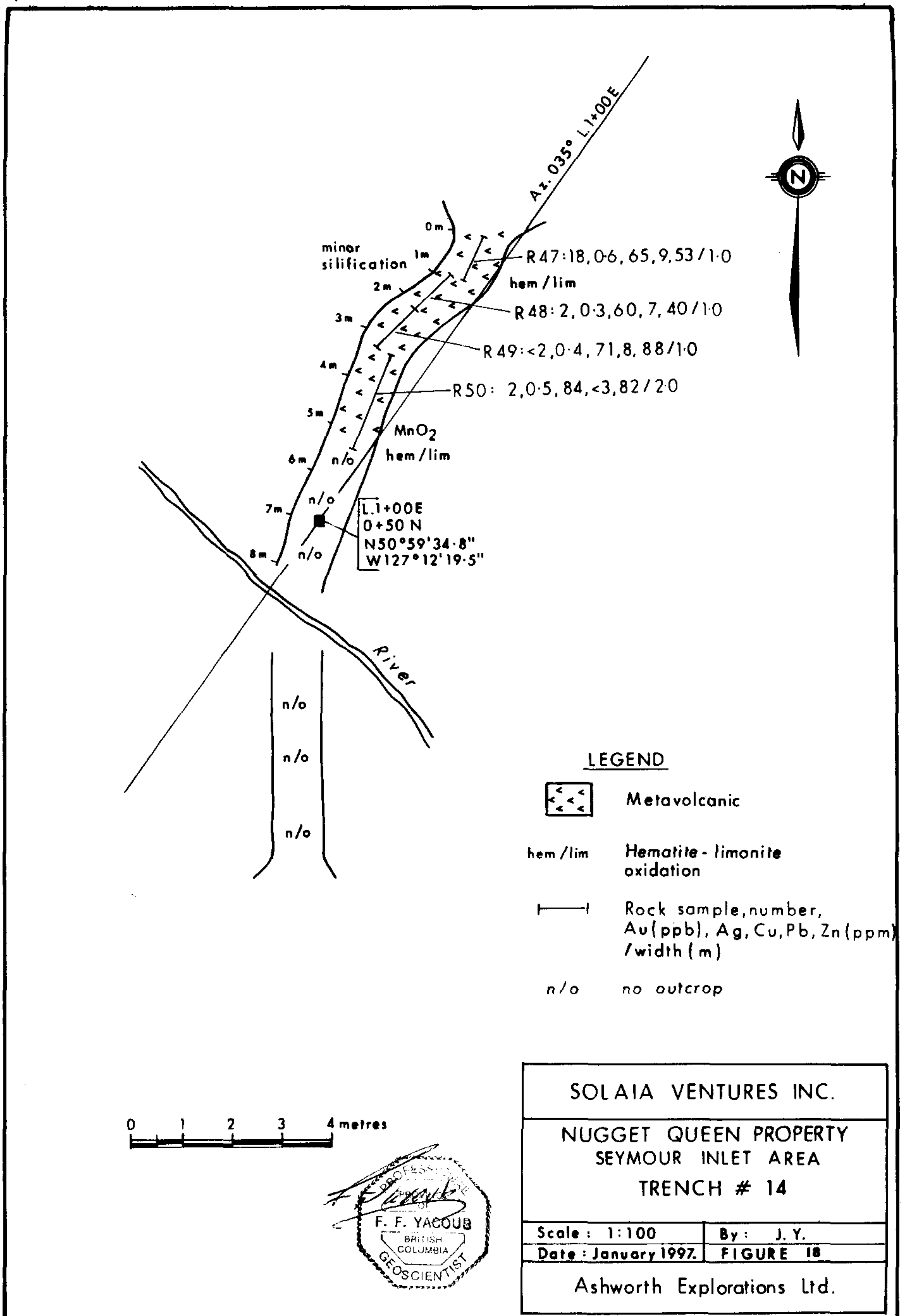
BRITISH COLUMBIA
GEOSCIENTIST

SOLAIA VENTURES INC.	
NUGGET QUEEN PROPERTY SEYMOUR INLET AREA TRENCH # 13	
Scale: 1:100	By: J. Y.
Date: January 1997	FIGURE: 17
Ashworth Explorations Ltd.	


Az. 035° L.1+00E
0m
1m
2m
3m
4m
5m
6m
7m
8m
minor silification
R47: 18, 0.6, 65, 9, 53/1.0
hem/lim
R48: 2, 0.3, 60, 7, 40/1.0
R49: <2, 0.4, 71, 8, 88/1.0
R50: 2, 0.5, 84, <3, 82/2.0
MnO2
hem/lim
n/o
n/o
L.1+00E
0+50 N
N50°59'34.8"
W127°12'19.5"
n/o
River
n/o
n/o
n/o
LEGEND
Metavolcanic
hem/lim
Hematite - limonite oxidation
Rock sample, number, Au(ppb), Ag, Cu, Pb, Zn (ppm) /width (m)
n/o
no outcrop
0
1
2
3
4 metres
PROFESSIONAL
F. F. YACOUB
BRITISH COLUMBIA
GEOSCIENTIST
SOLAIA VENTURES INC.
NUGGET QUEEN PROPERTY
SEYMOUR INLET AREA
TRENCH # 14
Scale: 1:100
By: J. Y.
Date: January 1997.
FIGURE 18
Ashworth Explorations Ltd.

7.3.2 DISCUSSION OF 1996 TRENCHING RESULTS

Anomalous gold, silver, copper, lead and zinc values have been obtained primarily from the main target area located south of the No. 6 vein, indicated by the 1995 soil geochemistry.

A hematitic, limonitic and locally silicified alteration zone associated with 10 to 12 centimetres of discontinuous quartz veining hosted by argillic metasedimentary rocks, correlates with the northwest-southeast trending VLF-EM conductor.

Three panel samples assayed anomalous gold values greater than 1,000 ppb Au. Samples T9-R17, T9-R18 and T10-R20 yielded values of 4,446 ppb Au (0.14 opt), 5,381 ppb Au (0.17 opt) and 3,365 ppb Au (0.11 opt) over a width of 1 to 2 metres. R7 is an angular, local float sample collected from T8 and returned the highest gold assay of 99,999 ppb Au (3.19 opt). The alteration zone is exposed in all trenches and the anomalous gold-silver values within the target area correlates closely with the VLF-EM conductor.

A total of eight rock samples collected from the target area of the 1996 trenching program yielded gold values greater than 500 ppb.

The distribution of anomalous gold values extends from T-9 in the southeast to the newly discovered No. 8 vein in the northwest, and represents a continuous auriferous zone of at least 130 metres strike length and up to 2 metres in width. The potential of a continuous mineralized zone along strike exists and is supported by the discovery of the No. 8 vein which is located 25 metres southeast of T-11. Rock sample R46, across 1 metre of the vein, returned a value of 1,689 ppb gold (0.05 opt). Another chip sample R44, across 1 metre of the same vein, returned 34,978 ppb (1.12 opt) which is considered the highest gold value obtained during the 1996 trenching program. The southeast extension of the zone is also supported by the southeast trending VLF-EM conductor delineated by the 1995 geophysical program.

The alteration zone in T-11 yielded low gold values ranging 2 to 5 ppb Au compared to anomalous gold values on strike in adjacent Trenches 8-10. The continuity of the EM conductor across the low gold zone in T-11 would suggest that the mineralized zone is continuous and the apparent absence of anomalous gold values may be a factor of zonation of mineralization which was not intersected at the depth of T-11.

The distribution of anomalous Au, Ag, Cu, Pb and Zn values in soil suggests a potential of further mineralization along a minimum strike length of 250 metres. The mineralization directly correlates with the EM conductor.

7.4 GEOCHEMICAL SOIL SURVEY (Figures 19-26)

Geochemical soil testing carried out during the 1996 work program was designed to expand and test the soil geochemical anomalies delineated during the 1995 work program (see Map 1).

Geostatistical analysis of the 1996 soil samples included Au, Ag, Cu, Pb, Zn and As as potential pathfinder elements. The values used to determine the anomalous levels for these elements were 30 ppb Au, 0.8 ppm Ag, 40 ppm Cu, 60 ppm Pb, 100 ppm Zn and 10 ppm As.

Data presentation and comparison of element concentrations between Eco-Tech and Acme Analytical Laboratories for the 1995 and 1996 Nugget-Queen geochemical soil surveys are shown in Appendix C.

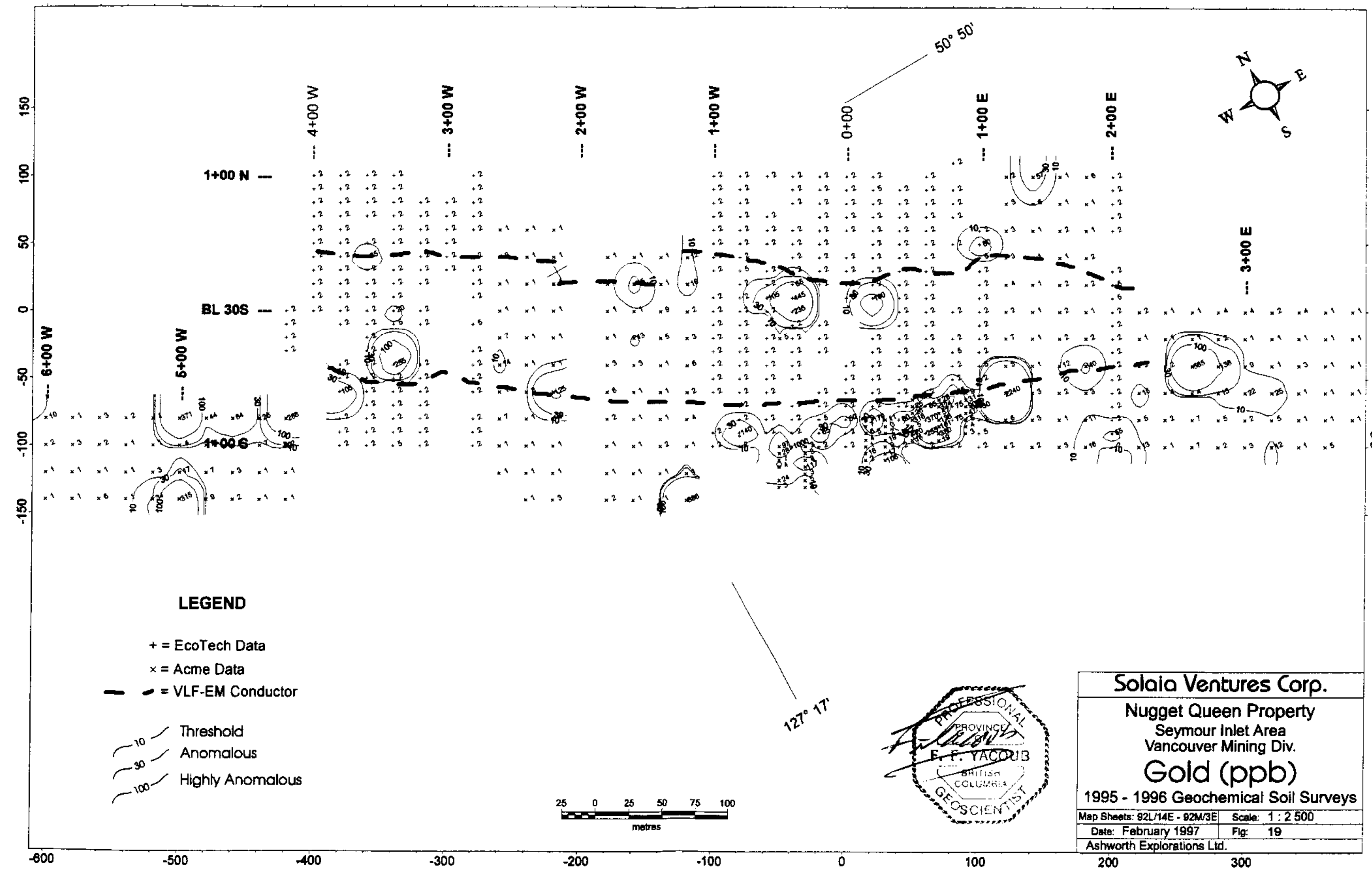
7.4.1 GOLD IN SOILS (Figure 19)

Gold values ranged from 0 to 2,240 ppb. Most of the gold values ranged between 1 and 10. Values were grouped as:

0-<30 ppb Au	Low Values
30-<100 ppb Au	Anomalous
100 ppb Au and up	Highly Anomalous

A geochemical gold anomaly zone trending east-southeast is located approximately 80 metres south of the Main Showing (No. 6 vein). The zone is 225 metres long, centred at L0+60E - 0+80S with the highest gold value of 2,240 ppb. The zone is open to the southeast. A parallel zone is located and centred at the Main Showing (Station BL 0+20E). Both anomaly zones correlate directly with a southeasterly trending VLF-EM conductor delineated during the 1995 program.

A third gold geochemical anomaly zone was also located at the west end of the grid and centred at L4+40W - 1+20S. The zone correlates directly with a shear zone trending east-west. All three gold anomalous areas, outlined by the soil geochemistry, display strong correlations with silver, copper, lead, zinc and arsenic (see Compilation Maps, Figures 26 & 27).



LEGEND
+ = EcoTech Data
× = Acme Data
= VLF-EM Conductor
10 Threshold
30 Anomalous
100 Highly Anomalous
50° 50'
127° 17'
1+00 N
BL 30S
1+00 S
6+00 W
5+00 W
4+00 W
3+00 W
2+00 W
1+00 W
0+00
1+00 E
2+00 E
3+00 E
metres
PROFESSIONAL
PROVINCE OF
F. F. YACOUB
BRITISH COLUMBIA
GEOSCIENTIST
Solaia Ventures Corp.
Nugget Queen Property
Seymour Inlet Area
Vancouver Mining Div.
Gold (ppb)
1995 - 1996 Geochemical Soil Surveys
Map Sheets: 92L/14E - 92M/3E
Scale: 1 : 2 500
Date: February 1997
Fig: 19
Ashworth Explorations Ltd.

7.4.2 SILVER IN SOILS (Figure 20)

The silver values ranged from 0 to 3 ppm with most values between 0 and 0.5 ppm. Silver values were grouped as:

0-<0.5 ppb Au	Low Values
0.5-<0.8 ppb Au	Anomalous
0.8 ppb Au and up	Highly Anomalous

A moderate to high populated silver anomaly zone was located between L1+20E - Station 0+80S and L0+80W - Station 1+00E. This zone corresponds with high gold, copper, lead and zinc values located in the same area. The zone also corresponds with a shear zone trending east-southeast and with a VLF-EM conductor.

The highest silver value of 3 ppm occurs at L0+20E - BL. It is coincident with a very strong, anomalous, multi-element composite zone located at the Main Showing.

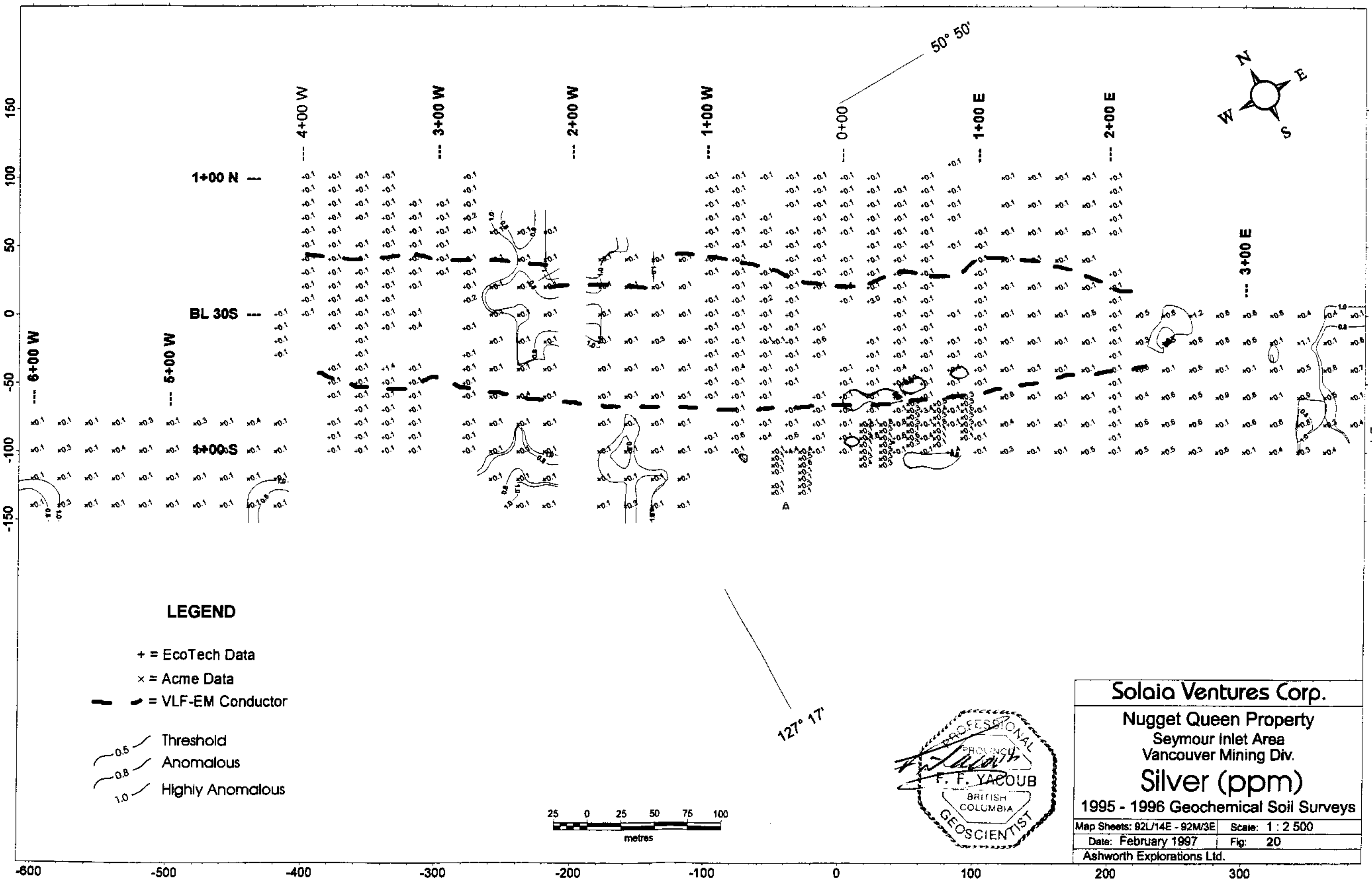
Anomalous to highly anomalous silver values occur in the area of the West Showings (No. 3, No. 4 and No. 5 veins) as well as the west end of the grid. Both areas display a strong correlation with anomalous copper values.

7.4.3 COPPER, LEAD & ZINC IN SOILS (Figures 21-23)

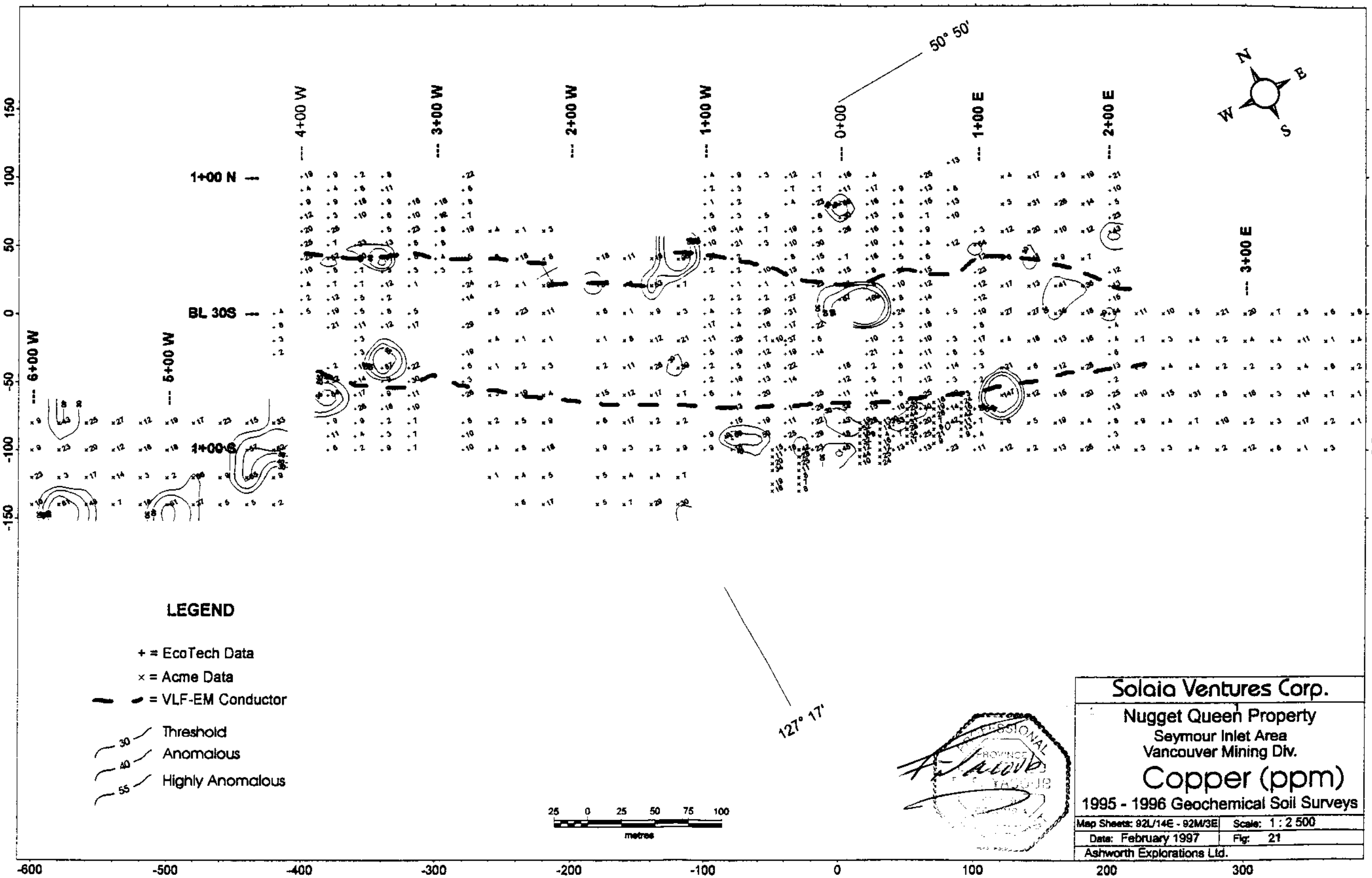
The value range and grouping of the copper, lead and zinc elements are shown in the following table:

	COPPER	LEAD	ZINC
Range	1-147 ppm	4-892 ppm	6-352 ppm
Low Values	1-<40 ppm	4-<60 ppm	0-<100 ppm
Anomalous	40-<55 ppm	60-<150 ppm	100-<150 ppm
Highly Anomalous	55 ppm and up	150 ppm and up	150 ppm and up

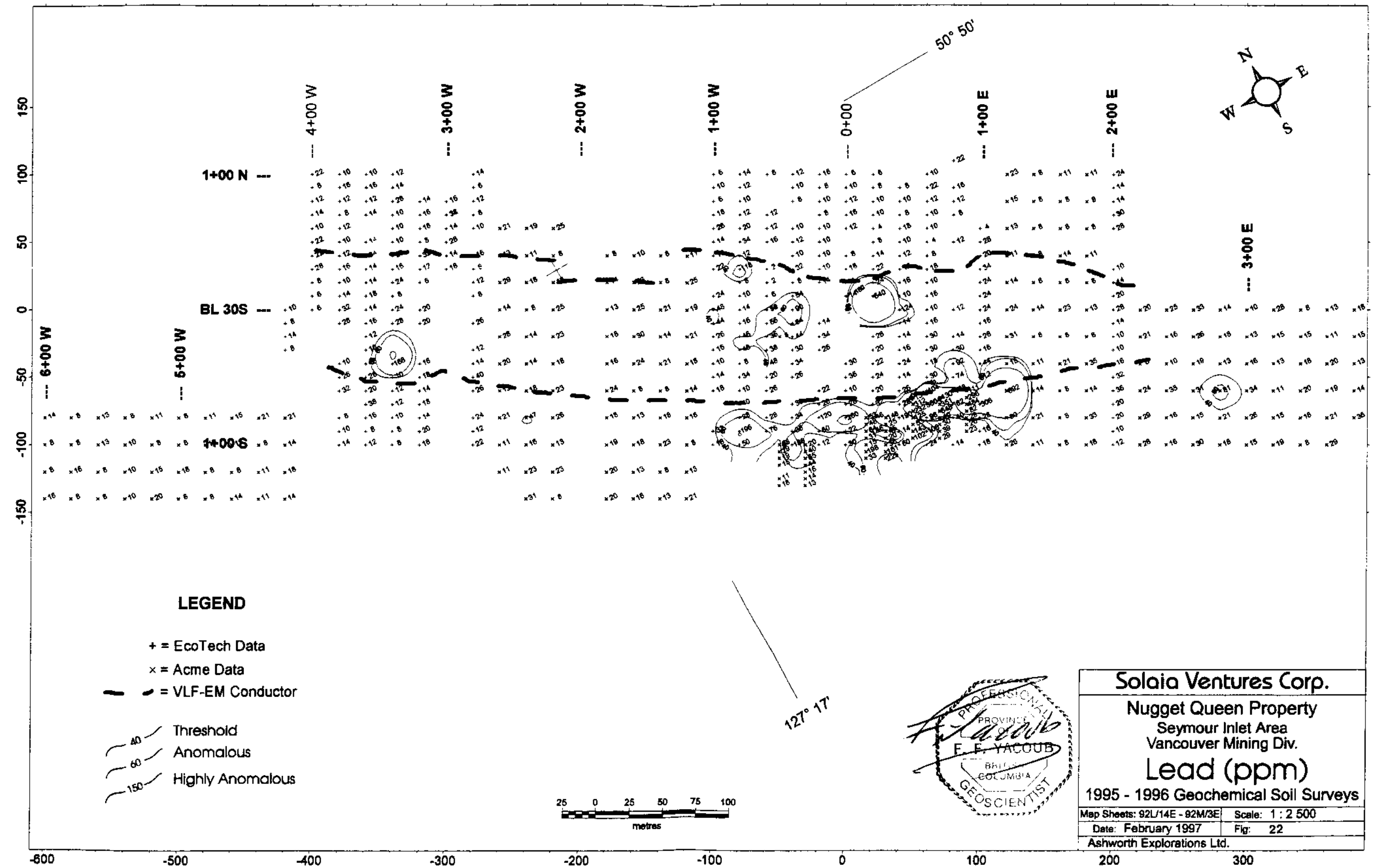
The copper, lead and zinc elevated values demonstrate strong correlations in three different areas. The first is located at the 1996 target area between L0+80W and L1+20E for a total of 225 metres. The second area is located at the Main Showing - No. 6 vein. The anomaly area extends between L0+80W and L0+20E for a total of 125 metres. The third area is located at the west corner of the grid between L3+80W and L3+20W for a total of 60 metres in length. All copper, lead and zinc anomalous areas display strong correlation with gold, silver and arsenic.



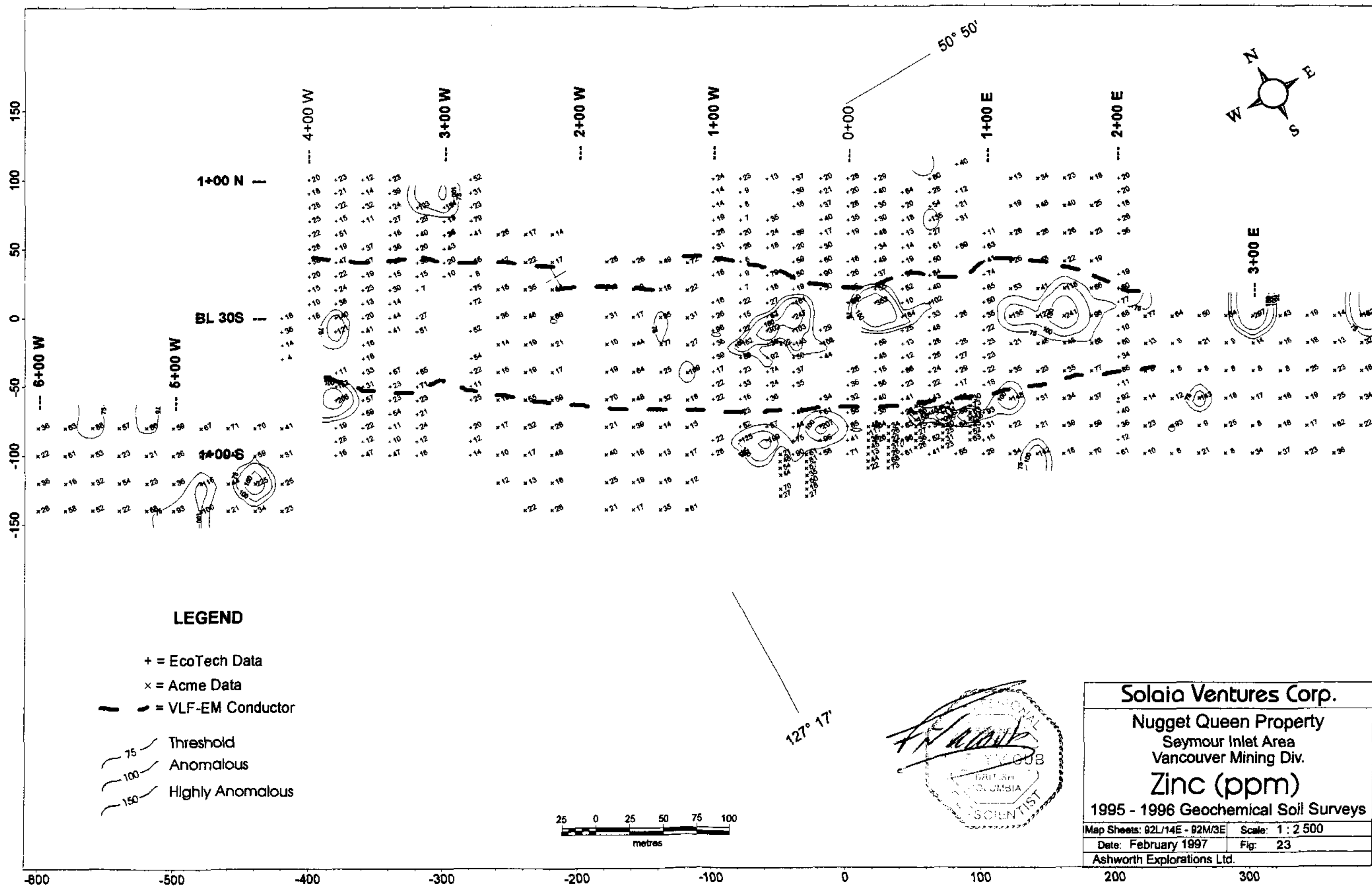
50° 50'
127° 17'
N
E
S
W
4+00 W
3+00 W
2+00 W
1+00 W
0+00
1+00 E
2+00 E
3+00 E
6+00 W
5+00 W
1+00 N
BL 30S
1+00 S
LEGEND
+ = EcoTech Data
× = Acme Data
= VLF-EM Conductor
0.5 Threshold
0.8 Anomalous
1.0 Highly Anomalous
25 0 25 50 75 100
metres
PROFESSIONAL
PROVINCE
F. F. YACOUB
BRITISH COLUMBIA
GEOSCIENTIST
Solaia Ventures Corp.
Nugget Queen Property
Seymour Inlet Area
Vancouver Mining Div.
Silver (ppm)
1995 - 1996 Geochemical Soil Surveys
Map Sheets: 92L/14E - 92M/3E
Scale: 1 : 2 500
Date: February 1997
Fig: 20
Ashworth Explorations Ltd.
-600
-500
-400
-300
-200
-100
0
100
200
300
150
100
50
0
-50
-100
-150



Solaia Ventures Corp.
Nugget Queen Property
Seymour Inlet Area
Vancouver Mining Div.
Copper (ppm)
1995 - 1996 Geochemical Soil Surveys
Map Sheets: 92L/14E - 92M/3E
Scale: 1 : 2 500
Date: February 1997
Fig: 21
Ashworth Explorations Ltd.
LEGEND
+ = EcoTech Data
× = Acme Data
= VLF-EM Conductor
30 Threshold
40 Anomalous
55 Highly Anomalous
50° 50'
127° 17'
N
E
S
W
6+00 W
5+00 W
4+00 W
3+00 W
2+00 W
1+00 W
0+00
1+00 E
2+00 E
3+00 E
1+00 N
BL 30S
1+00 S
25 0 25 50 75 100
metres
-600 -500 -400 -300 -200 -100 0 100 200 300
150 100 50 0 -50 -100 -150



Solaia Ventures Corp.
Nugget Queen Property
Seymour Inlet Area
Vancouver Mining Div.
Lead (ppm)
1995 - 1996 Geochemical Soil Surveys
Map Sheets: 92L/14E - 92M/3E
Scale: 1 : 2 500
Date: February 1997
Fig: 22
Ashworth Explorations Ltd.
LEGEND
+ = EcoTech Data
× = Acme Data
= VLF-EM Conductor
40 Threshold
60 Anomalous
150 Highly Anomalous
1+00 N
BL 30S
1+00 S
6+00 W
5+00 W
4+00 W
3+00 W
2+00 W
1+00 W
0+00
1+00 E
2+00 E
3+00 E
50° 50'
127° 17'
N
E
S
W
metres
F. F. YACOUB
PROFESSIONAL
GEOSCIENTIST



LEGEND
+ = EcoTech Data
× = Acme Data
= VLF-EM Conductor
75 Threshold
100 Anomalous
150 Highly Anomalous
Solaia Ventures Corp.
Nugget Queen Property
Seymour Inlet Area
Vancouver Mining Div.
Zinc (ppm)
1995 - 1996 Geochemical Soil Surveys
Map Sheets: 92L/14E - 92M/3E
Scale: 1 : 2 500
Date: February 1997
Fig: 23
Ashworth Explorations Ltd.
50° 50'
127° 17'
1+00 N
BL 30S
1+00 S
6+00 W
5+00 W
4+00 W
3+00 W
2+00 W
1+00 W
0+00
1+00 E
2+00 E
3+00 E
metres

7.4.4 ARSENIC IN SOILS (Figure 24)

The arsenic values ranged from <5-65 ppm. They are grouped as:

0-<10 ppb As	Low Values
10-<20 ppb As	Anomalous
20 ppb As and up	Highly Anomalous

7.4.5 DISCUSSION OF GEOCHEMICAL RESULTS (Figures 25 & 26)

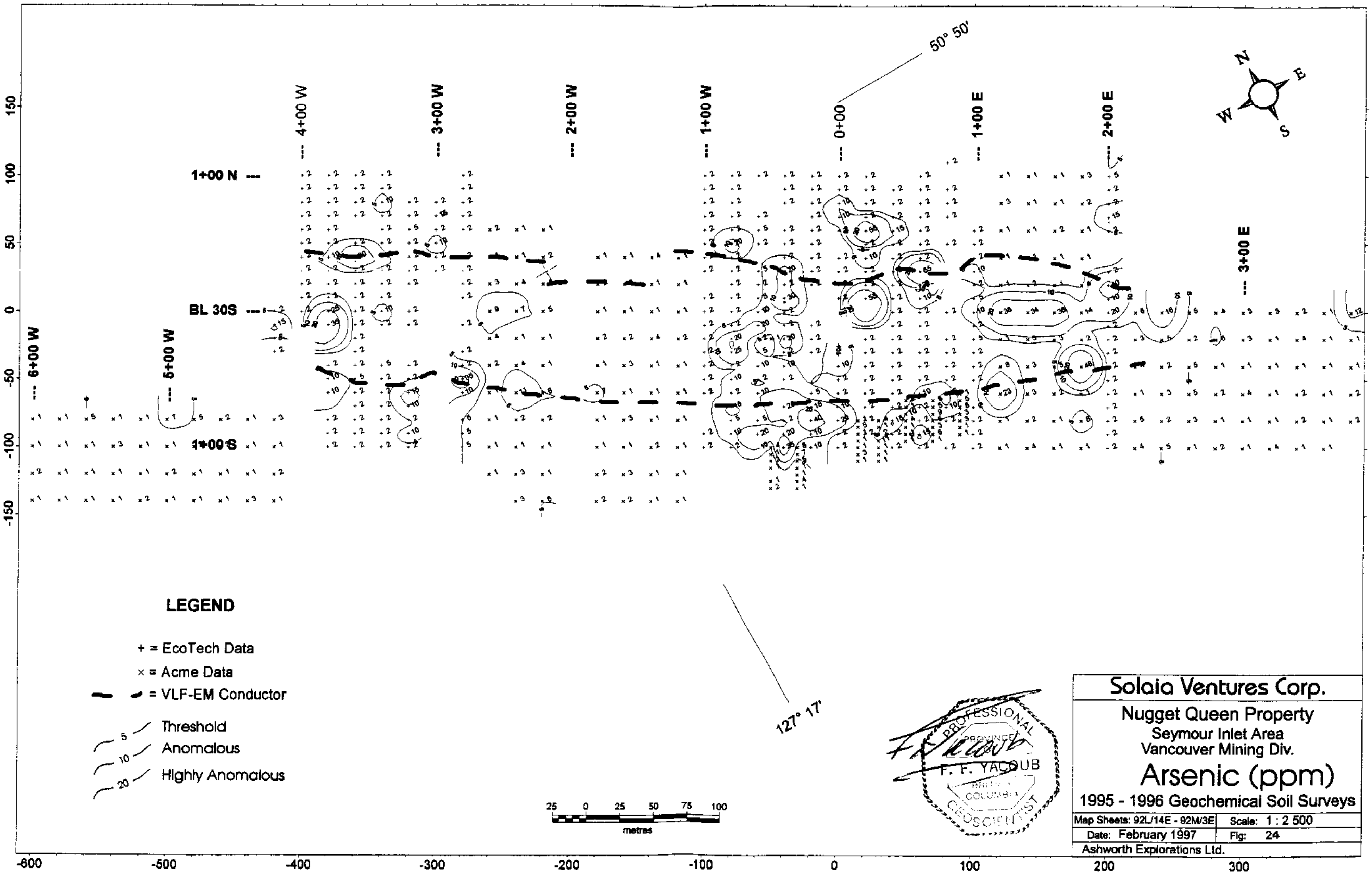
Several anomalous to highly anomalous arsenic values are clustered over the area of the grid with values up to 65 ppm As. Anomalous to highly anomalous arsenic values display strong correlations with anomalous gold, silver, copper, lead and zinc values.

Three anomalous areas were outlined by the soil geochemistry on the Nugget-Queen claim group during the 1995 and 1996 field work programs:

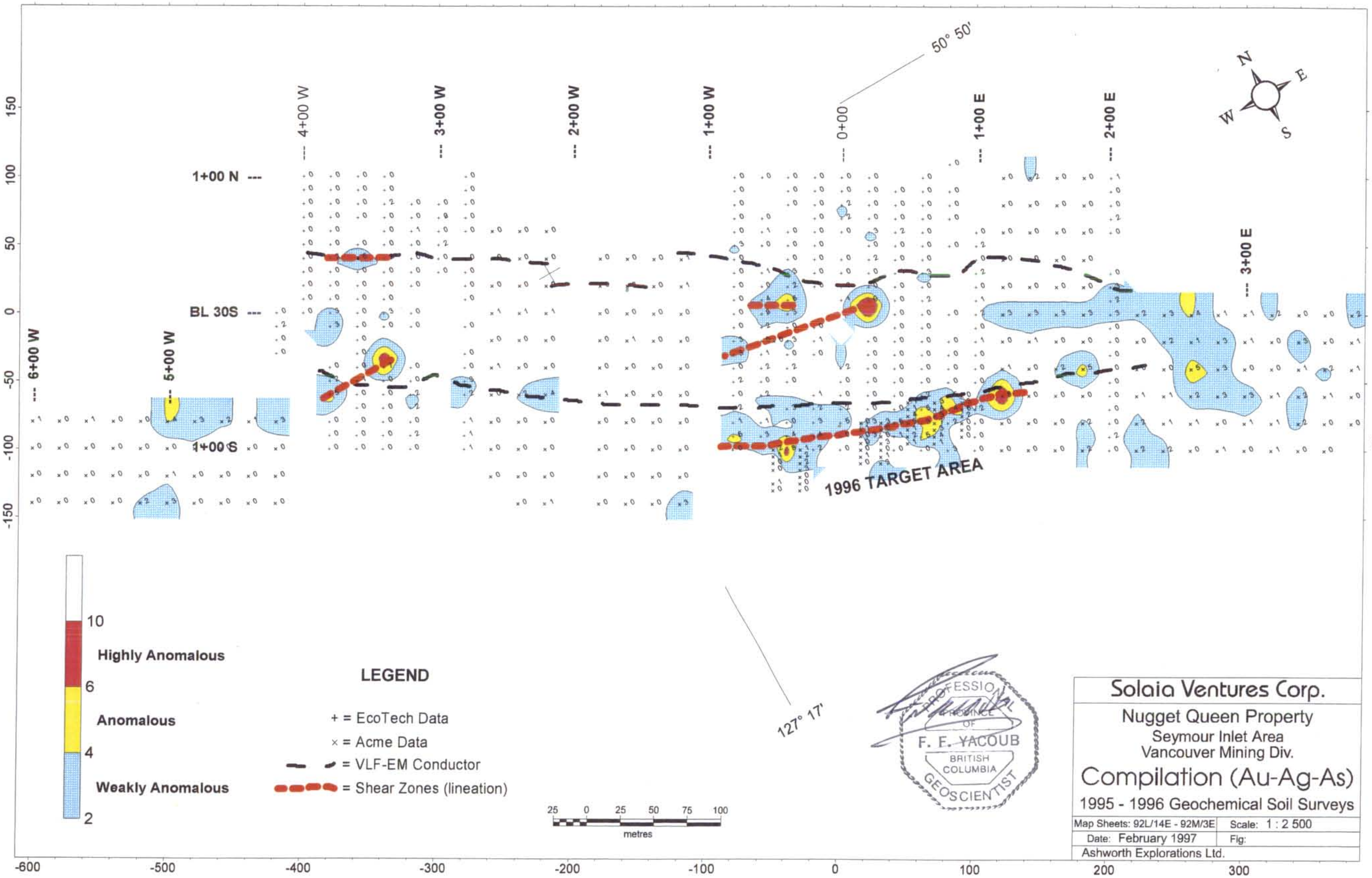
1) the 1996 target area, where a very strong soil geochemical anomaly for gold, silver, copper, lead, zinc and arsenic was delineated. This anomaly zone displayed mineralization related to and coincident with a shear zone trending east-south for a strike length of 225 metres;

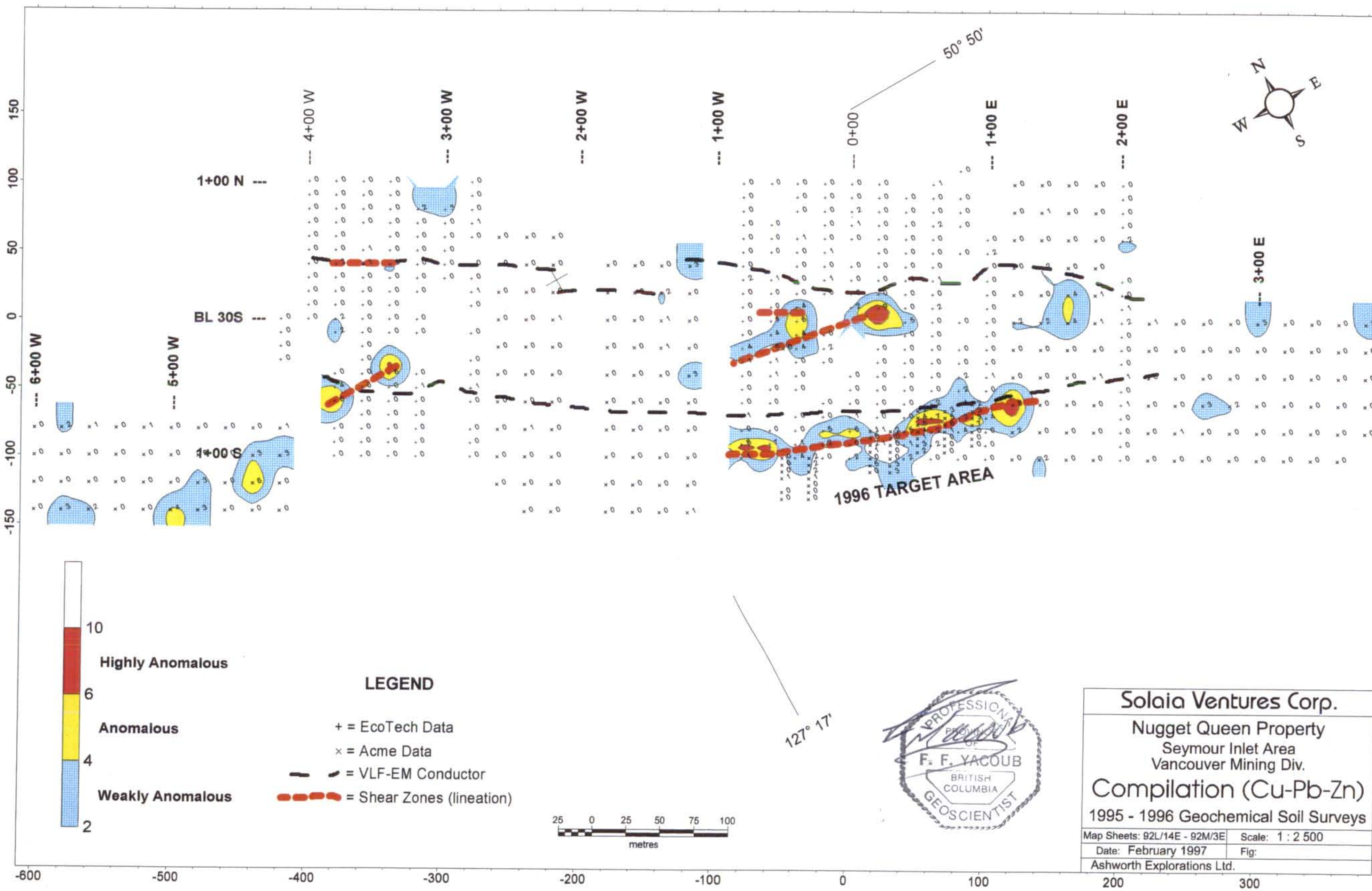
2) a very strong anomalous zone has been outlined by a multi-element composite located in the Main Showing area. The zone trends east-southeast, almost parallel to the 1996 target area and extends between L0+80W and L0+20E for a length of 125 metres; and

3) a highly anomalous to anomalous gold, silver and arsenic zone was indicated by the 1996 soil sampling program. The zone is located between L6+00W and L3+40W at the west corner of the grid area. The elevated gold and silver values strongly correlate with elevated copper, lead and zinc values, and also are coincident with an easterly trending shear zone.



LEGEND
+ = EcoTech Data
× = Acme Data
= VLF-EM Conductor
5 Threshold
10 Anomalous
20 Highly Anomalous
Solaia Ventures Corp.
Nugget Queen Property
Seymour Inlet Area
Vancouver Mining Div.
Arsenic (ppm)
1995 - 1996 Geochemical Soil Surveys
Map Sheets: 92L/14E - 92M/3E
Scale: 1 : 2 500
Date: February 1997
Fig: 24
Ashworth Explorations Ltd.
metres
50° 50'
127° 17'
1+00 N
BL 30S
1+00 S
6+00 W
5+00 W
4+00 W
3+00 W
2+00 W
1+00 W
0+00
1+00 E
2+00 E
3+00 E
N
E
S
W
F. F. YACOUB
PROFESSIONAL
PROVINCE
BRITISH COLUMBIA
GEOSCIENTIST


50° 50'
127° 17'
N
E
S
W
6+00 W
5+00 W
4+00 W
3+00 W
2+00 W
1+00 W
0+00
1+00 E
2+00 E
3+00 E
1+00 N
BL 30S
1+00 S
1996 TARGET AREA
150
100
50
0
-50
-100
-150
-600
-500
-400
-300
-200
-100
0
100
200
300
10
Highly Anomalous
6
Anomalous
4
Weakly Anomalous
2
LEGEND
+ = EcoTech Data
× = Acme Data
= VLF-EM Conductor
= Shear Zones (lineation)
25 0 25 50 75 100
metres
PROFESSIONAL
PROVINCE OF
F. F. YACOUB
BRITISH COLUMBIA
GEOSCIENTIST
Solaia Ventures Corp.
Nugget Queen Property
Seymour Inlet Area
Vancouver Mining Div.
Compilation (Au-Ag-As)
1995 - 1996 Geochemical Soil Surveys
Map Sheets: 92L/14E - 92M/3E
Scale: 1 : 2 500
Date: February 1997
Fig:
Ashworth Explorations Ltd.



50° 50'
127° 17'
N
E
S
W
6+00 W
5+00 W
4+00 W
3+00 W
2+00 W
1+00 W
0+00
1+00 E
2+00 E
3+00 E
1+00 N
BL 30S
1+00 S
1996 TARGET AREA
150
100
50
0
-50
-100
-150
-600
-500
-400
-300
-200
-100
0
100
200
300
10
Highly Anomalous
6
Anomalous
4
Weakly Anomalous
2
LEGEND
+ = EcoTech Data
× = Acme Data
= VLF-EM Conductor
= Shear Zones (lineation)
25 0 25 50 75 100
metres
PROFESSIONAL
PROVINCE OF
F. F. YACOUB
BRITISH COLUMBIA
GEOSCIENTIST
Solaia Ventures Corp.
Nugget Queen Property
Seymour Inlet Area
Vancouver Mining Div.
Compilation (Cu-Pb-Zn)
1995 - 1996 Geochemical Soil Surveys
Map Sheets: 92L/14E - 92M/3E
Scale: 1 : 2 500
Date: February 1997
Fig:
Ashworth Explorations Ltd.

8.0 CONCLUSIONS

Geological mapping, trenching and rock sampling on the 1996 main target area located south of the No. 6 vein has produced additional anomalous gold and base metal values in trenches along a previously detected east-west trending soil anomaly zone. Anomalous gold and base metal values in rock samples, up to 34,978 ppb Au (1.01 opt), obtained from the newly discovered No. 8 vein appears to have a spatial relationship with mineralization exposed in the trenching area.

The distribution of anomalous gold and base metal values in the 1996 target area, starting from T-9 in the northwest to the newly discovered No. 8 vein in the southeast and in all intervening trenches with the exception of T-11, extends for at least 130 metres strike length and is open in both directions.

The coincident gold and base metal values in trenches, soil anomalies, and the VLF-EM conductor in the 1996 trench area suggests a southeast-northwest extension of the mineralized zone. This target area warrants a shallow drill program to investigate the extension, depth and the grade of the zone.

The apparent size and tenor of the No. 6 and No. 4 veins, supported by strong geochemical anomalies and elevated gold and base metal values obtained from rock sampling of T-12, is sufficient to warrant further work which should include a diamond core drilling program to test the down dip extension and the grade of the No. 6 vein.

A new gold and base metal geochemical anomaly zone was delineated by the 1996 soil sampling at the west end of the grid. The zone displays strong correlations with silver, copper, lead and zinc. Strong support of the geochemical anomaly in this area has been provided by an east-west trending structure. The soil anomaly zone should be further investigated by a limited hand trenching program.

Field programs to date have covered about one-quarter of the property. Good potential exists for locating more significant mineralization on the remainder of the Nugget-Queen claims. For this reason further exploration work is warranted and recommended.

9.0 RECOMMENDATIONS (Figure 9, Map 1)

During the 1995 and 1996 field programs, testing of the Main Showing (No. 6 vein) by sampling and trenching have shown good gold and base metal mineralization with significant lengths and widths. This report supports the recommendations of Grove (1995) for a follow-up core drilling program.

A total of 500 metres of a shallow diamond drilling program is recommended to further investigate the mineralization of the No. 6 vein as well as the new gold and base metal anomaly zone delineated by soil sampling and geophysics during the 1995 work program, and by trenching during the 1996 field work program. The zone is located 60 to 80 metres south of the No. 6 vein.

Three diamond drill holes were designed to be drilled from three different set-ups (DDH 1, 2 and 3) to test the down dip extension of the No. 6 vein. The first hole set at -35° in the 40 to 50 metre range, the second hole designed to be drilled at -45° in the 50 to 60 metre range and the third hole designed to be drilled at -50° in the 60 to 70 metre range.

Another three drill holes (DDH 4, 5 and 6) were designed to test the down dip extension of the south zone (1996 trenching area) including the newly discovered No. 8 vein as indicated on Map 1.

If the results from the proposed holes (DDH 1-6) are encouraging, additional holes at -60° should be drilled from the same initial set-ups.

New target areas can be delineated by extending the grid lines to the northeast and to the southwest, and should be initiated for the next phase after drilling is completed. It should consist of further soil sampling, geophysical surveys and geological mapping in order to delineate more target areas.

10.0 PROPOSED BUDGET

Phase 2: Core Drilling Program

Project Preparation		$ 4,000.00
Mob/Demob (includes Helicopter Support)		$ 30,000.00
Camp Supplies, Room & Board		$ 15,000.00
Core Drilling		
500 metres @ $100/metre	$50,000.00	
Assaying	$ 6,000.00	
		$ 56,000.00
Geology, Core Logging, Sampling		$ 10,000.00
Property Visit & Engineering Report		$ 15,000.00
Subtotal		$130,000.00
Administration & Supervision @ 15%	$19,500.00	
Subtotal		$149,500.00
GST @ 7%	$10,465.00	
TOTAL		**$159,965.00**
SAY		**$160,000.00**

Respectfully submitted,

Fayz Yacoub, P.Geo., F.G.A.C.
February 1997

REFERENCES

EMPR, Geology, Exploration & Mining, 1973.

EMPR, G.E.M., 1980, 1983.

EMPR, Property File 92L, 178, 179.

EMPR, Assessment Reports 4252, 7991.

Freidman, R.M., Mahoney, J.B. and Cui, Y., Magmatic Evolution of the Southern Coast Belt from Nd-Sr, Isotopic Schematics and Geochronology of the Southern Coast Plutonic Complex, Can. Jour. Earth Sci., October 1995.

Grove, Edward W., Geological Report and Work Proposal on the Nugget & Queen Claims, February 19, 1996.

GSC, Map 1552A.

GSC, Open File 480, 722, 1163, 2490, 2787.

GSC, Paper 68-1, 74-B.

GSC, Memoir 372, 394.

Mark, David G., Geophysical Report on the Nugget Queen Property, February 2, 1996.

Minister of Mines Annual Reports, 1939-41, 1949.

Monger, J.W.H. and Journeay, J.M., Guide to the Geology and Tectonic Evolution of the Southern Coastal Belt, G.S.C., 1992.

CERTIFICATE OF QUALIFICATIONS

I, FAYZ F. YACOUB, of 6498 - 128B Street, Surrey, British Columbia, V3W 9P4, do hereby declare that:

1) I am a graduate in: Geology and Chemistry from Assuit University, Egypt (B.Sc., 1967); and Mining Exploration Geology of the International Institute for Aerial Survey and Earth Sciences (I.T.C.), Holland (Diploma 1978);

2) I am a fellow in good standing with the Geological Association of Canada;

3) I am a professional geologist and a member of the Association of the Professional Engineers and Geoscientists of B.C;

4) I have actively pursued my career as a Geologist for the past twenty-one years;

5) The information, opinions and recommendations in this report are based upon field work carried out by myself, and on published literature. I was present on the subject property between November 5 to 14, 1995 and December 6 to 12, 1996; and

6) I have no interest in Solaia Ventures Inc., nor any property owned by Solaia Ventures Inc., nor do I expect to receive any interest as a result of this report.

Fayz Yacoub, P.Geo., F.G.A.C.
February 1997

CERTIFICATE OF QUALIFICATIONS

I, JOHN YOUNG, of 1328 Zenith Road, Brackendale, British Columbia, V0N 1T0, do hereby declare that:

1) I am a graduate in Geology from Lakehead University, Ontario (H.B.Sc., 1990);

2) I have actively pursued my career as a Geologist for the past 7 years;

3) The information, opinions and recommendations in this report are based upon field work carried out by myself, previous work and on published literature. I was present on the subject property between December 4 to 22, 1996; and

4) I have no interest, directly or indirectly, in the property nor do I expect to receive any interest as a result of this report.

John D. Young, H.B.Sc.
February 1997

PERSONNEL

The following persons were contracted during the 1996 field work program on the Nugget Queen mineral claims.

Fayz Yacoub, P.Geo., F.G.A.C.
6498 - 128 B Street
Surrey, B.C.
V3W 9P4
Tel: (604) 596-8592

John Young - Geologist
1328 Zenith Road
Brackendale, B.C.
V0N 1T0
Tel: (604) 898-9659

Robert Paeseler - Party Chief
1208 Brisbane Avenue
Coquitlam, B.C.
V3J 1L5
Tel: (604) 936-8254

Scott Hodges - Geotechnician
1009 - 20th Street
West Vancouver, B.C.
V7V 3Z3
Tel: (604) 922-4294

Will Markham - Geotechnician
Markham House
Sooke, B.C.
V0S 1N0
Tel: (250) 642-7542

Michael Cupit - Geotechnician
523 Newcroft Place
West Vancouver, B.C.
V7T 1W9
Tel: (604) 922-6439

Jamie Cupit - Geotechnician
523 Newcroft Place
West Vancouver, B.C.
V7T 1W9
Tel: (604) 922-6439

Chris Recek - Geotechnician
1521 Eric Road
Victoria, B.C.
V8N 5Y6
Tel: (250) 721-0894

Doug Stover - Geotechnician
674 Keith Road
West Vancouver, B.C.
V7T 1L9
Tel: (604) 926-6756

Martina Javorova - Camp Cook
1009 - 20th Street
West Vancouver, B.C.
V7V 3Z3
Tel: (604) 922-4294

Appendix A

1996 ROCK SAMPLE DESCRIPTIONS

T8-R1	2 metre by 0.4 metre panel sample - in metasediments (pyritic argillite), minor silicification.
T8-R2	2 metre by 0.4 metre panel sample - in metasediments (argillite), minor silicification and hematitic/limonitic oxidation.
T8-R3	2 metre by 0.5 metre panel sample - in metasediments (argillite), minor pyrite.
T8-R4	2 metre by 0.4 metre panel sample - in metasediments (pyritic argillite), minor silicification.
T8-R5	2 metre by 0.4 metre panel sample - in metasediments (pyritic argillite).
T8-R6	2 metre by 0.3 metre panel sample - in metasediments.
T8-R7	Quartz float with pyrite found in centre of Trench 8.
T9A-R8	2 metre by 0.3 metre panel sample - in metasediments (argillite).
T9A-R9	2 metre by 0.4 metre panel sample - in metasediments (argillite).
T9A-R10	1 metre by 0.3 metre panel sample - in metasediments (argillite).
T9A-R11	1 metre by 0.5 metre panel sample - in metasediments (argillite).
T9B-R12	1 metre by 0.5 metre panel sample - in metasediments, minor pyrite.
T9B-R13	1 metre by 0.8 metre panel sample - in metasediments.
T9B-R14	1 metre by 0.9 metre panel sample - in metasediments.
T9B-R15	1 metre by 0.4 metre panel sample - in metasediments, minor pyrite.
T9B-R16	1 metre by 0.3 metre panel sample - in metasediments.
T9B-R17	3 metre chip across silicified, mineralized zone. Hematitic/limonitic oxidation, disseminated pyrite, galena and chalcopyrite.
T9B-R18	10 centimetre chip across quartz vein. Minor pyrite and galena present in vein.
T10-R19	Barren quartz float from centre of Trench 10.
T10-R20	1 metre by 1 metre panel sample - in metasediments with hematitic/limonitic oxidation.
T10-R21	1 metre by 0.4 metre panel sample - sheared, pyritic argillite.
T10-R22	1 metre by 0.8 metre panel sample - in metasediments with hematitic/limonitic oxidation.
T10-R23	1 metre by 1 metre panel sample - in metasediments, minor silicification and disseminated pyrite.
T10-R24	50 centimetre quartz vein in silicified metasediments with hematitic/limonitic oxidation, minor pyrite, galena and chalcopyrite.
T11-R25	2 metre by 0.8 metre panel sample - in metasediments with disseminated pyrite, and hematitic/limonitic oxidation.
T11-R26	2 metre by 0.8 metre panel sample - in metasediments, minor silicification and pyrite.
T11-R27	2 metre by 0.7 metre panel sample - in metasediments, buff coloured tuff, minor silicification and disseminated pyrite.
T11-R28	1 metre by 0.6 metre panel sample - buff coloured tuff, hematitic/limonitic oxidation and minor pyrite.
T11-R29	1.4 metre by 0.8 metre panel sample - in metavolcanics, silicification, minor hematitic/limonitic oxidation, pyrolusite (MnO_2) and minor pyrite.
T11-R30	10 centimetre chip across quartz vein - no visible mineralization.
T12-R31	1 metre by 0.7 metre panel sample - in metasediments (pyritic argillite), hematitic/limonitic oxidation.

T12-R32	1 metre by 0.8 metre panel sample - in metasediments, buff coloured tuff, no visible mineralization.
T12-R33	1 metre by 0.5 metre panel sample - in metasediments (argillite), minor pyrite.
T12-R34	1 metre by 0.5 metre panel sample - in metasediments, tuff, minor pyrite.
T12-R35	1.3 metre chip across mineralized quartz vein - pyrite, galena and minor chalcopyrite.
T12-R36	1 metre by 0.5 metre chip across silicified metasediments containing small mineralized quartz veinlets - visible pyrite, minor galena.
T12-R37	1 metre by 0.3 metre panel sample - in metasediments (pyritic argillite), minor silicification.
T13-R38	1 metre by 0.4 metre panel sample - in metasediments (argillite), hematitic/limonitic oxidation.
T13-R39	1 metre by 0.3 metre panel sample - in metasediments, hematitic/limonitic oxidation, minor pyrite.
T13-R40	1 metre by 0.4 metre panel sample - in metasediments (argillite), hematitic/limonitic oxidation.
T13-R41	1 metre by 0.4 metre panel sample - in metasediments, minor pyrite.
T13-R42	1 metre by 0.4 metre panel sample - in metasediments, minor pyrite, hematitic/limonitic oxidation.
T13-R43	1 metre by 0.3 metre panel sample - in metasediments (argillite), no visible mineralization.
R44	Mineralized quartz float sample near No. 8 vein, L1+20E - 0+60S. Disseminated to semi-massive pyrite, galena and chalcopyrite.
R45	Chip sample across 1 metre quartz vein containing pyrite and chalcopyrite.
R46	Chip sample across 1 metre quartz vein, minor pyrite present.
T14-R47	1 metre by 0.5 metre panel sample, altered metavolcanics - epidote, pyrolusite (MnO_2), no visible mineralization.
T14-R48	1 metre by 0.4 metre panel sample - in metavolcanics - epidote, pyrolusite, no visible mineralization.
T14-R49	1 metre by 0.3 metre panel sample - in metavolcanics, MnO_2, hematitic/limonitic oxidation.
T14-R50	2 metre by 0.4 metre panel sample - in metavolcanics with epidote, MnO_2.

Appendix B

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Ashworth Exploration Ltd. PROJECT NUGGET QUEEN File # 96-6913 Page 1

405 - 609 W. Hastings St., Vancouver BC V6B 4W4 Submitted by: FAYZ YACOUB

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L6+00W 0+80S	2	9	6	22	<.3	11	3	138	4.87	<2	<5	<2	2	6	<.2	<2	11	228	.17	.017	1	50	.45	13	.45	4	1.12	.02	.03	<2	10
L6+00W 1+00S	1	9	<3	11	<.3	7	1	52	.79	<2	<5	<2	<2	11	.2	2	<2	49	.17	.022	2	23	.13	20	.10	<3	1.59	.02	.02	<2	2
L6+00W 1+20S	1	23	<3	22	<.3	9	4	131	2.30	2	6	<2	<2	12	.2	<2	2	151	.23	.042	4	44	.27	25	.15	<3	2.74	.03	.03	<2	1
L6+00W 1+40S	1	10	8	14	<.3	7	6	127	.73	<2	7	<2	<2	12	.4	<2	<2	41	.21	.041	3	22	.20	26	.12	3	1.15	.01	.02	<2	<1
L5+80W 0+80S	2	43	<3	43	<.3	23	9	167	5.06	<2	<5	<2	<2	6	<.2	<2	3	184	.29	.016	4	73	.49	30	.34	<3	4.97	.04	.02	<2	1
L5+80W 1+00S	2	23	<3	41	.3	9	15	409	2.64	<2	14	<2	2	14	<.2	2	<2	100	.28	.036	4	41	.30	45	.16	<3	3.02	.03	.03	<2	3
L5+80W 1+20S	1	3	8	6	<.3	3	2	75	.60	<2	<5	<2	<2	8	.2	<2	<2	52	.12	.024	2	18	.08	13	.15	<3	.57	.01	.02	<2	1
L5+80W 1+40S	1	81	<3	39	.3	15	16	745	3.89	<2	10	<2	<2	13	<.2	2	3	173	.23	.093	10	54	.30	36	.16	<3	5.06	.03	.03	<2	1
L5+60W 0+80S	2	25	5	62	<.3	11	6	200	4.71	5	<5	<2	3	11	<.2	<2	6	154	.13	.018	4	43	.69	56	.27	5	5.17	.02	.04	<2	3
RE L5+60W 0+80S	2	28	<3	66	<.3	11	5	211	4.91	5	<5	<2	2	12	.4	<2	<2	157	.13	.019	4	43	.72	52	.29	<3	5.53	.03	.03	<2	12
L5+60W 1+00S	1	20	5	35	<.3	17	33	418	3.96	<2	11	<2	2	14	.4	<2	6	150	.28	.023	5	45	.18	33	.15	<3	2.64	.02	.02	<2	2
L5+60W 1+20S	<1	17	<3	19	<.3	12	32	716	2.89	<2	5	<2	<2	18	.3	<2	<2	110	.27	.056	5	28	.22	26	.07	<3	2.80	.04	.02	<2	1
L5+60W 1+40S	1	43	<3	34	<.3	11	5	146	1.84	<2	<5	<2	<2	12	<.2	3	<2	96	.21	.102	8	43	.26	33	.11	<3	5.51	.03	.03	<2	6
L5+40W 0+80S	2	27	<3	38	<.3	11	4	155	4.10	<2	<5	<2	2	8	<.2	<2	3	146	.13	.019	5	49	.36	41	.23	<3	6.03	.02	.02	<2	2
L5+40W 1+00S	1	12	3	12	.4	5	1	115	7.42	3	<5	<2	3	6	.2	<2	4	161	.14	.028	3	48	.20	13	.31	<3	3.17	.02	.03	<2	1
L5+40W 1+20S	2	14	3	36	<.3	15	6	314	4.82	<2	9	<2	3	5	<.2	<2	10	132	.18	.023	5	77	.41	18	.32	<3	3.64	.02	.03	<2	1
L5+40W 1+40S	1	7	3	11	<.3	10	3	98	3.56	<2	<5	<2	2	9	<.2	<2	5	181	.19	.015	1	38	.29	8	.18	<3	.85	.02	.03	<2	1
L5+20W 0+80S	1	12	4	61	.3	8	7	417	3.43	<2	<5	<2	2	24	<.2	<2	<2	128	.44	.022	2	11	1.36	65	.26	4	2.16	.04	.12	<2	1
L5+20W 1+00S	2	16	<3	10	<.3	3	2	93	3.93	<2	<5	<2	<2	6	<.2	<2	<2	160	.13	.017	3	40	.13	20	.19	<3	2.13	.02	.02	<2	1
L5+20W 1+20S	1	3	7	12	<.3	5	1	105	6.61	<2	<5	<2	3	3	<.2	3	4	217	.11	.012	2	81	.13	5	.40	<3	.74	.02	.02	<2	3
L5+20W 1+40S	1	18	11	47	<.3	44	16	563	6.22	2	<5	<2	2	8	<.2	<2	<2	194	.19	.026	2	106	1.23	22	.29	4	4.23	.03	.06	<2	34
L5+00W 0+80S	5	19	<3	40	<.3	8	3	124	4.48	7	5	<2	3	10	.3	2	8	171	.15	.018	4	37	.31	81	.25	<3	4.14	.01	.02	<2	371
L5+00W 1+00S	2	18	<3	14	<.3	7	2	71	3.30	<2	5	<2	<2	9	<.2	3	<2	152	.15	.025	6	38	.17	24	.15	<3	3.34	.02	.02	<2	4
L5+00W 1+20S	<1	2	9	22	<.3	14	9	418	6.84	2	<5	<2	2	6	<.2	2	<2	319	.47	.013	1	44	.50	8	.58	<3	.88	.02	.20	<2	17
L5+00W 1+40S	2	61	<3	66	<.3	6	16	388	5.73	<2	<5	<2	<2	16	.3	<2	6	130	.25	.053	6	28	1.00	50	.19	<3	4.07	.02	.20	<2	315
L4+80W 0+80S	3	17	4	46	.3	5	3	342	3.61	5	<5	<2	2	15	.2	<2	2	107	.21	.037	3	21	.27	166	.17	<3	3.79	.02	.03	<2	44
L4+80W 1+00S	1	4	5	11	.5	5	3	78	3.82	2	10	<2	2	15	.2	<2	5	246	.34	.020	1	48	.09	19	.21	<3	.39	.01	.02	<2	2
L4+80W 1+20S	1	36	<3	84	<.3	40	55	2251	5.06	<2	<5	<2	<2	14	.2	<2	<2	172	.47	.025	3	97	1.27	56	.29	<3	4.42	.02	.12	<2	7
L4+80W 1+40S	1	37	<3	72	<.3	65	26	639	6.30	<2	7	<2	2	8	<.2	<2	4	201	.19	.011	1	156	2.78	24	.41	<3	4.26	.02	.11	<2	9
L4+60W 0+80S	5	23	7	49	<.3	8	2	285	5.16	2	<5	<2	3	11	.2	<2	6	167	.14	.019	4	39	.37	145	.28	<3	5.57	.02	.03	<2	84
L4+60W 1+00S	1	14	5	27	<.3	23	8	245	4.31	3	<5	<2	<2	9	<.2	2	<2	233	.47	.012	1	54	.69	17	.56	<3	1.20	.05	.03	<2	4
L4+60W 1+20S	2	9	<3	28	<.3	16	13	305	4.67	<2	<5	<2	3	6	<.2	3	<2	146	.22	.019	3	48	.51	18	.27	<3	2.98	.03	.02	<2	3
L4+60W 1+40S	3	5	6	10	<.3	3	1	95	6.29	<2	<5	<2	2	4	<.2	2	<2	332	.12	.012	3	44	.18	9	.45	<3	.83	.01	.02	<2	2
L4+40W 0+80S	2	15	12	48	.4	13	16	354	4.25	<2	12	<2	3	21	<.2	3	5	139	.16	.013	7	25	1.02	78	.22	3	2.52	.02	.08	<2	26
L4+40W 1+00S	1	57	<3	40	<.3	20	10	254	2.48	<2	<5	<2	<2	11	<.2	<2	<2	98	.28	.012	2	44	.82	24	.24	<3	2.19	.02	.02	<2	7
STANDARD C2/AU-S	19	57	36	146	7.4	76	35	1159	3.96	44	25	9	34	53	20.4	13	21	74	.55	.110	40	65	.97	197	.09	33	1.99	.06	.17	11	50

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: PAGE 1-8 SOIL PAGE 9-10 ROCK AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: DEC 23 1996 **DATE REPORT MAILED:** Jan 9/97 **SIGNED BY** ....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

 Data ✓ FA ____

ACME ANALYTICAL

Ashworth Exploration Ltd. PROJECT NUGGET QUEEN FILE # 96-6913

ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L4+40W 1+20S	2	65	4	169	<.3	6	7	360	2.22	<2	<5	<2	<2	10	.6	2	<2	72	.31	.030	5	35	.22	17	.18	6	4.80	.04	.02	<2	1
L4+40W 1+40S	<1	5	4	20	<.3	9	4	170	8.05	3	<5	<2	<2	4	<.2	<2	<2	298	.18	.012	1	70	.34	<1	.38	<3	1.12	.04	.02	<2	1
L4+20W 0+80S	1	33	12	26	<.3	9	4	143	1.00	3	<5	<2	<2	32	.2	<2	<2	56	.37	.029	3	48	.37	50	.23	3	1.70	.03	.06	<2	288
L4+20W 1+00S	<1	62	6	18	<.3	13	7	276	2.62	<2	<5	<2	<2	18	<.2	<2	<2	126	.47	.038	3	45	.39	20	.11	<3	2.31	.04	.04	<2	2
L4+20W 1+20S	1	9	9	13	<.3	5	2	89	2.83	2	<5	<2	<2	5	.2	<2	4	199	.13	.023	3	30	.22	11	.26	<3	1.52	.02	.02	<2	1
L4+20W 1+40S	<1	2	6	12	<.3	2	1	107	.49	<2	<5	<2	<2	2	<.2	<2	3	51	.13	.007	5	18	.17	7	.39	<3	.57	.02	.01	<2	<1
L2+60W 0+60N	1	4	12	14	<.3	11	3	115	1.24	2	<5	<2	<2	5	<.2	2	4	89	.12	.015	2	37	.55	8	.38	4	.80	.02	.03	<2	1
L2+60W 0+40N	1	8	5	3	<.3	2	1	30	.44	<2	<5	<2	<2	4	.3	<2	<2	47	.08	.030	5	17	.09	<1	.10	<3	1.90	.01	.01	<2	3
L2+60W 0+20N	7	2	18	6	<.3	1	<1	40	.39	3	9	<2	<2	2	<.2	4	<2	128	.03	.002	2	16	.06	4	.56	<3	.29	.01	.01	<2	<1
RE L2+60W 0+20N	7	2	21	6	<.3	<1	<1	42	.41	<2	<5	<2	<2	2	<.2	2	<2	136	.03	.002	2	17	.06	5	.60	<3	.29	.01	.01	<2	<1
L2+60W 0+00N	17	5	6	22	<.3	2	<1	44	2.16	9	<5	<2	<2	3	<.2	4	3	246	.03	.006	1	13	.06	1	.29	<3	.67	.01	.02	<2	<1
L2+60W 0+20S	2	4	17	5	<.3	1	<1	25	.20	4	6	<2	<2	9	<.2	<2	<2	26	.10	.026	3	10	.04	18	.08	<3	.69	.01	.03	<2	7
L2+60W 0+60S	2	<1	11	6	<.3	3	2	66	1.62	2	<5	<2	<2	4	<.2	<2	<2	123	.08	.010	3	21	.11	5	.22	6	.63	.01	.02	<2	14
L2+60W 0+80S	<1	3	5	9	<.3	8	3	164	1.36	<2	<5	<2	<2	8	<.2	<2	<2	143	.30	.009	3	62	.28	2	.37	<3	.49	.03	.01	<2	1
L2+60W 1+00S	1	2	12	7	<.3	5	1	123	.69	<2	<5	<2	<2	3	<.2	<2	<2	79	.11	.010	2	35	.17	<1	.33	<3	.46	.01	.02	<2	7
L2+60W 1+20S	<1	4	4	2	<.3	<1	1	63	3.92	<2	<5	<2	<2	3	<.2	<2	<2	218	.09	.010	1	29	.07	<1	.20	<3	.82	.01	.02	<2	1
L2+60W 1+40S	<1	1	4	3	<.3	<1	<1	58	.58	<2	<5	<2	<2	2	<.2	<2	<2	55	.05	.006	2	12	.03	2	.13	<3	.25	.01	.01	<2	<1
L2+40W 0+60N	2	1	10	7	<.3	5	1	63	.47	<2	<5	<2	<2	5	<.2	<2	3	62	.12	.011	2	20	.20	<1	.31	<3	.49	.01	.01	<2	<1
L2+40W 0+40N	2	18	4	11	<.3	10	3	98	2.25	<2	<5	<2	<2	5	<.2	2	2	105	.14	.019	4	70	.33	<1	.25	4	4.56	.03	.02	<2	1
L2+40W 0+20N	10	1	9	21	<.3	2	<1	65	.88	4	<5	<2	<2	5	.3	2	<2	170	.14	.006	2	19	.22	29	.35	<3	.53	.01	.02	<2	<1
L2+40W 0+00	4	23	<3	30	<.3	5	15	180	4.47	7	<5	<2	<2	4	<.2	<2	<2	163	.11	.021	5	51	.14	16	.26	<3	5.29	.01	.01	<2	1
L2+40W 0+20S	1	1	6	9	<.3	<1	<1	142	.63	<2	<5	<2	<2	5	.2	<2	<2	59	.05	.010	7	6	.18	22	.16	<3	.59	.01	.04	<2	<1
L2+40W 0+40S	1	2	6	9	<.3	1	<1	120	.49	4	<5	<2	<2	4	<.2	<2	3	37	.06	.008	6	5	.13	15	.10	<3	.46	.01	.03	<2	<1
L2+40W 0+60S	4	19	9	37	.4	4	3	175	5.09	11	<5	<2	<2	11	.2	2	<2	205	.16	.024	3	24	.31	56	.28	<3	2.49	.02	.05	<2	8
L2+40W 0+80S	2	5	32	19	<.3	6	4	100	1.42	2	<5	<2	<2	8	<.2	2	2	142	.23	.012	2	33	.40	22	.67	<3	.80	.02	.02	<2	<1
L2+40W 1+00S	1	8	8	7	<.3	5	2	56	1.40	<2	<5	<2	<2	7	<.2	<2	<2	91	.12	.026	3	38	.13	8	.14	4	2.46	.02	.02	<2	<1
L2+40W 1+20S	1	4	13	4	<.3	3	<1	23	1.29	3	5	<2	<2	7	<.2	<2	<2	28	.09	.055	2	14	.05	16	.03	<3	.82	.02	.02	<2	1
L2+40W 1+40S	1	6	20	11	<.3	4	2	59	.89	3	<5	<2	<2	9	<.2	<2	<2	64	.14	.019	3	24	.12	13	.17	<3	1.38	.02	.01	<2	1
L2+20W 0+60N	1	3	15	5	<.3	4	1	35	.33	<2	<5	<2	<2	5	<.2	2	<2	76	.10	.014	2	26	.09	<1	.38	3	.43	.01	.01	<2	1
L2+20W 0+40N	1	8	<3	7	<.3	4	1	72	8.43	2	<5	<2	<2	2	<.2	<2	<2	391	.09	.011	1	41	.19	3	.43	<3	1.20	.01	.02	<2	1
L2+20W 0+20N	1	25	5	5	<.3	6	1	30	1.60	<2	6	<2	<2	7	<.2	<2	5	35	.18	.114	4	47	.05	3	.03	3	2.21	.01	.02	<2	1
L2+20W 0+00	6	11	15	63	<.3	9	3	85	1.29	5	<5	<2	<2	12	.2	<2	<2	94	.20	.030	6	24	.20	56	.23	<3	1.63	.02	.02	<2	<1
L2+20W 0+20S	4	<1	13	10	<.3	1	1	43	.16	<2	5	<2	<2	7	<.2	<2	<2	35	.08	.008	2	12	.07	26	.18	3	.39	.01	.01	<2	1
L2+20W 0+40S	2	3	9	7	<.3	2	1	43	.35	<2	8	<2	<2	6	.2	2	<2	42	.12	.012	2	18	.09	6	.22	<3	.72	.01	.01	<2	1
L2+20W 0+60S	4	4	13	40	<.3	4	2	161	2.66	6	<5	<2	<2	7	<.2	2	<2	115	.06	.016	6	17	.55	131	.12	4	1.33	.01	.06	<2	125
STANDARD C2/AU-S	19	56	37	145	6.7	69	33	1163	3.78	47	19	8	33	52	20.3	17	28	69	.56	.110	38	60	.92	205	.08	30	1.89	.07	.15	13	48

Sample type: Soil. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

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ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L2+20W 0+80S	2	9	16	14	<.3	5	3	83	2.70	2	<5	<2	<2	8	.2	<2	<2	95	.16	.039	3	22	.21	22	.12	6	1.44	.01	.03	<2	4
L2+20W 1+00S	1	18	5	31	<.3	15	5	107	2.08	<2	<5	<2	<2	14	.2	2	6	147	.29	.043	6	45	.42	25	.17	3	4.28	.04	.02	<2	1
L2+20W 1+20S	2	5	13	8	<.3	2	2	59	1.06	<2	<5	<2	<2	6	<.2	3	<2	98	.10	.011	4	18	.11	20	.22	4	1.26	.01	.01	<2	<1
L2+20W 1+40S	2	17	<3	16	<.3	6	3	71	2.59	5	<5	<2	2	6	<.2	<2	2	176	.12	.023	2	58	.20	5	.19	<3	7.11	.03	.01	<2	3
L1+80W 0+40N	1	18	<3	16	<.3	11	5	200	8.71	<2	<5	<2	2	2	<.2	<2	<2	346	.11	.011	1	107	.73	8	.52	6	2.18	.02	.02	<2	<1
L1+80W 0+20N	1	39	6	9	<.3	9	2	56	.38	2	<5	<2	<2	16	.5	<2	2	26	.38	.056	2	14	.06	18	.02	3	.93	.02	.02	<2	1
L1+80W 0+00	6	6	5	18	<.3	4	<1	100	6.69	<2	<5	<2	2	5	<.2	<2	12	372	.08	.021	2	48	.38	29	.41	<3	1.47	.01	.02	<2	1
L1+80W 0+20S	3	1	9	2	<.3	2	<1	39	.24	2	8	<2	<2	2	<.2	2	<2	27	.01	.005	3	4	.03	8	.09	<3	.35	.01	.01	<2	<1
L1+80W 0+40S	2	2	8	9	<.3	2	<1	96	3.01	<2	<5	<2	2	2	<.2	<2	<2	201	.05	.006	4	26	.11	8	.15	<3	1.07	.01	.01	<2	3
L1+80W 0+60S	4	15	14	48	<.3	4	1	140	5.53	7	<5	<2	2	6	.2	<2	3	169	.09	.024	5	28	.31	26	.14	<3	3.47	.01	.02	<2	6
L1+80W 0+80S	1	6	9	10	<.3	4	1	80	1.09	<2	<5	<2	<2	7	.2	<2	<2	77	.30	.020	3	22	.11	3	.15	<3	1.57	.01	.01	<2	2
L1+80W 1+00S	2	9	10	25	<.3	4	4	119	1.28	<2	9	<2	2	9	<.2	2	2	86	.14	.031	4	34	.41	29	.13	<3	2.28	.02	.02	<2	1
L1+80W 1+20S	1	5	11	13	<.3	8	3	84	1.32	2	<5	<2	<2	11	<.2	<2	<2	89	.17	.016	2	25	.29	2	.19	<3	1.49	.02	.02	<2	1
L1+80W 1+40S	1	5	11	10	<.3	4	3	80	.97	2	<5	<2	<2	7	<.2	<2	<2	80	.15	.015	3	30	.18	16	.22	4	1.26	.02	.01	<2	2
L1+60W 0+40N	<1	11	3	14	<.3	12	4	158	4.44	<2	<5	<2	<2	2	<.2	<2	2	307	.12	.007	1	48	.72	2	.53	<3	1.16	.02	.01	2	1
L1+60W 0+20N	4	2	13	4	<.3	2	<1	38	.35	3	<5	<2	<2	3	<.2	<2	<2	45	.05	.011	6	12	.05	11	.16	<3	.47	.01	.01	<2	45
RE L1+60W 0+20N	5	2	15	3	<.3	1	<1	35	.30	2	<5	<2	<2	4	<.2	<2	<2	43	.05	.011	5	12	.04	12	.15	<3	.49	.01	.01	<2	41
L1+60W 0+00	5	1	15	7	<.3	2	<1	54	.29	<2	6	<2	<2	6	.2	2	2	58	.05	.009	2	9	.07	33	.32	3	.52	<.01	.02	<2	<1
L1+60W 0+20S	9	8	19	28	<.3	2	1	57	2.04	2	5	<2	<2	5	<.2	<2	<2	174	.08	.019	4	25	.15	23	.20	3	1.92	.01	.01	<2	13
L1+60W 0+40S	5	11	14	44	<.3	2	3	426	5.16	3	<5	<2	2	11	<.2	2	<2	217	.21	.033	3	30	.51	44	.29	4	1.62	.02	.06	<2	3
L1+60W 0+60S	3	12	<3	31	<.3	5	4	162	4.70	<2	5	<2	2	6	<.2	<2	<2	152	.13	.022	3	46	.19	16	.20	6	4.32	.02	.02	2	1
L1+60W 0+80S	2	17	5	24	<.3	5	4	119	1.40	3	8	<2	<2	9	.3	<2	<2	83	.19	.047	5	33	.23	23	.14	<3	3.26	.02	.02	<2	1
L1+60W 1+00S	1	3	9	6	<.3	4	<1	32	.64	<2	8	<2	<2	7	<.2	3	2	57	.08	.035	3	19	.05	9	.15	<3	.73	.01	.02	<2	<1
L1+60W 1+20S	1	4	5	9	<.3	12	3	73	1.19	3	<5	<2	<2	10	<.2	<2	<2	81	.17	.024	2	49	.27	9	.16	<3	1.89	.03	.02	<2	1
L1+60W 1+40S	1	7	8	7	.3	1	1	86	7.54	2	<5	<2	2	2	.3	<2	3	379	.04	.012	2	54	.04	<1	.34	3	.75	.01	.01	<2	1
L1+40W 0+40N	3	16	<3	32	<.3	5	5	362	6.32	4	<5	<2	3	8	<.2	<2	<2	285	.08	.016	4	62	.34	17	.29	5	4.19	.02	.02	<2	1
L1+40W 0+20N	1	53	<3	8	<.3	8	7	281	1.69	<2	<5	<2	<2	6	.2	<2	<2	48	.19	.128	6	49	.05	10	.02	6	2.68	.02	.02	<2	<1
L1+40W BL	6	9	12	68	<.3	12	5	304	3.43	<2	<5	<2	<2	10	<.2	<2	<2	174	.18	.017	4	79	1.24	95	.35	3	2.52	.02	.03	<2	9
L1+40W 0+20S	4	12	6	54	.3	3	56	1902	8.39	4	<5	<2	2	14	<.2	<2	<2	172	.12	.030	3	53	.52	62	.17	5	2.09	.02	.04	<2	5
L1+40W 0+40S	2	26	12	13	<.3	5	3	105	1.14	<2	<5	<2	<2	7	<.2	<2	2	77	.14	.015	5	39	.21	22	.17	<3	1.64	.01	.01	<2	1
L1+40W 0+60S	3	17	<3	19	<.3	3	3	153	9.54	<2	<5	<2	3	6	<.2	<2	<2	290	.08	.015	1	61	.23	7	.30	<3	3.22	.02	.03	<2	1
L1+40W 0+80S	1	2	9	5	<.3	2	<1	57	.85	<2	<5	<2	<2	4	<.2	<2	2	53	.08	.016	2	15	.05	3	.15	3	.33	.01	.02	<2	1
L1+40W 1+00S	1	2	13	4	<.3	2	1	53	.36	2	6	<2	<2	5	<.2	<2	<2	82	.08	.007	3	28	.06	10	.30	<3	.63	.02	.01	<2	2
L1+40W 1+20S	<1	4	<3	6	<.3	<1	3	68	1.94	<2	<5	<2	<2	12	<.2	<2	<2	120	.33	.013	1	12	.07	3	.10	3	.17	.02	.02	<2	<1
L1+40W 1+40S	1	29	5	21	<.3	8	23	1465	5.25	<2	<5	<2	2	9	.3	<2	2	123	.30	.039	3	59	.20	19	.16	<3	3.71	.03	.04	<2	<1
STANDARD C2/AU-S	19	56	35	147	6.7	68	34	1140	3.84	46	15	7	34	50	19.6	18	18	72	.53	.107	38	62	.96	189	.08	28	1.86	.05	.15	13	47

Sample type: Soil. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data 4 FA ____

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L1+20W 0+40N	1	98	4	50	<.3	70	18	577	4.55	<2	<5	<2	2	9	<.2	<2	<2	112	.34	.023	2	219	2.37	89	.31	<3	3.75	.04	.13	<2	12
L1+20W 0+20N	1	7	15	11	<.3	8	3	73	.70	<2	5	<2	<2	6	<.2	<2	<2	47	.13	.047	3	32	.36	16	.10	<3	.98	.02	.03	<2	16
L1+20W BL	4	3	10	18	<.3	1	2	144	1.12	<2	<5	<2	<2	12	<.2	<2	4	82	.13	.028	3	18	.39	43	.12	<3	.69	.01	.03	<2	2
L1+20W 0+20S	3	21	12	15	<.3	6	3	106	3.71	2	5	<2	<2	11	.4	<2	<2	90	.18	.073	3	28	.28	23	.07	4	1.29	.03	.04	<2	3
L1+20W 0+40S	4	39	9	79	<.3	14	10	488	3.62	<2	<5	<2	2	27	.7	<2	4	149	.65	.097	4	30	1.37	119	.21	5	2.11	.07	.71	<2	6
L1+20W 0+60S	2	7	6	8	<.3	2	2	73	6.50	<2	<5	<2	2	8	.2	<2	2	284	.15	.014	2	44	.12	16	.30	<3	1.18	.02	.03	<2	2
L1+20W 0+80S	1	2	8	4	<.3	1	1	57	2.19	<2	<5	<2	<2	5	<.2	<2	5	195	.09	.009	2	44	.07	7	.22	<3	.89	.02	.01	<2	4
RE L1+20W 0+80S	1	1	9	3	<.3	<1	1	53	2.19	<2	<5	<2	<2	5	<.2	<2	3	198	.09	.008	2	47	.07	4	.22	<3	.93	.01	.01	<2	2
L1+20W 1+00S	1	9	<3	7	<.3	4	2	76	6.13	<2	<5	<2	3	7	<.2	<2	<2	227	.12	.013	3	62	.17	11	.25	3	3.40	.03	.02	<2	1
L1+20W 1+20S	<1	7	5	3	<.3	6	2	21	.35	<2	<5	<2	<2	6	.3	3	<2	17	.07	.090	5	14	.05	17	.03	3	1.52	.02	.02	<2	1
L1+20W 1+40S	2	30	12	41	<.3	15	8	167	2.17	<2	<5	<2	2	10	<.2	2	<2	114	.19	.048	6	48	.36	21	.16	<3	6.54	.03	.02	<2	886
L0+50W 0+20S	2	10	<3	11	<.3	8	5	157	5.85	<2	<5	<2	<2	3	<.2	<2	<2	270	.10	.012	1	58	.24	4	.31	3	.86	.02	.01	<2	5
L0+50W 1+00S	3	15	13	10	<.3	6	2	83	4.22	4	<5	<2	<2	5	<.2	<2	6	374	.11	.010	1	33	.11	11	.59	<3	.50	.01	.01	<2	97
L0+50W 1+05S	2	11	18	31	<.3	9	11	323	3.39	<2	<5	<2	<2	13	.4	<2	4	148	.53	.024	2	43	.42	21	.22	<3	2.23	.03	.03	<2	28
L0+50W 1+10S	1	20	10	36	<.3	20	11	428	5.61	2	<5	<2	<2	7	<.2	<2	<2	183	.31	.015	1	64	.74	21	.32	<3	1.68	.04	.04	<2	7
L0+50W 1+15S	<1	34	7	28	<.3	18	347	16150	8.21	<2	<5	<2	<2	9	.3	<2	<2	126	.38	.038	1	49	.81	41	.13	3	2.49	.05	.09	<2	4
L0+50W 1+25S	1	19	4	48	<.3	13	30	2387	4.09	<2	<5	<2	<2	6	<.2	<2	<2	123	.21	.022	3	53	.48	21	.27	<3	2.62	.03	.05	<2	24
L0+50W 1+30S	2	16	9	15	<.3	4	4	260	2.90	2	<5	<2	<2	4	<.2	<2	2	125	.11	.032	4	47	.11	11	.19	<3	3.90	.02	.02	<2	3
L0+30W 1+00S	5	42	11	41	.4	15	5	219	7.32	6	<5	<2	3	4	.2	<2	3	208	.08	.016	2	92	.65	37	.48	<3	3.65	.02	.04	<2	3
L0+30W 1+05S	4	28	27	57	.5	18	6	132	6.74	7	5	<2	2	8	.5	3	8	193	.45	.021	4	63	.28	42	.30	<3	4.37	.02	.02	<2	3
L0+30W 1+10S	1	25	47	38	.6	10	9	254	3.12	5	<5	<2	2	5	.3	4	2	83	.12	.055	4	53	.22	22	.15	<3	7.33	.03	.02	<2	8
L0+30W 1+15S	1	11	30	21	<.3	10	7	238	2.06	<2	<5	<2	<2	8	<.2	<2	<2	87	.22	.056	3	31	.33	27	.15	4	1.36	.03	.03	<2	117
L0+30W 1+20S	2	8	8	33	<.3	20	10	387	2.61	<2	<5	<2	<2	8	<.2	<2	2	135	.30	.025	2	58	.64	22	.23	<3	1.52	.03	.03	<2	3
L0+30W 1+25S	2	7	6	8	.3	3	7	646	2.98	4	<5	<2	2	4	<.2	<2	<2	131	.12	.016	2	24	.09	12	.24	3	.93	.02	.02	<2	5
L0+30W 1+30S	1	8	5	15	<.3	5	104	8041	7.80	<2	<5	<2	<2	5	<.2	<2	<2	132	.18	.039	2	48	.15	22	.19	6	1.75	.02	.02	<2	3
L0+15E 0+80S	2	19	37	30	.3	3	9	440	5.70	<2	<5	<2	3	6	.2	<2	2	163	.14	.025	3	47	.19	12	.22	<3	3.01	.03	.03	<2	9
L0+15E 0+85S	2	52	33	85	<.3	18	8	258	3.36	5	<5	<2	<2	14	.3	3	6	105	.30	.057	6	54	.59	26	.18	<3	4.72	.04	.02	<2	7
L0+15E 0+90S	3	16	46	22	.3	4	<1	85	6.03	<2	<5	<2	2	5	<.2	<2	<2	264	.15	.019	3	52	.18	19	.44	<3	2.87	.03	.02	<2	6
L0+15E 0+95S	2	32	20	29	<.3	6	4	161	5.59	<2	<5	<2	3	7	<.2	3	6	187	.16	.043	4	88	.56	23	.27	<3	5.51	.02	.04	<2	4
L0+15E 1+00S	<1	12	7	4	<.3	1	1	114	6.39	<2	<5	<2	2	1	<.2	2	<2	498	.10	.005	1	37	.15	13	.96	<3	.71	.01	.04	<2	1
L0+15E 1+05S	3	44	152	28	.3	5	8	348	3.92	3	<5	<2	<2	5	<.2	4	<2	132	.12	.075	7	58	.13	9	.14	<3	6.40	.02	.02	<2	16
L0+15E 1+10S	1	10	21	11	.4	4	1	62	.98	<2	6	<2	<2	6	<.2	2	<2	86	.13	.040	3	27	.16	19	.18	3	1.42	.02	.02	<2	2
L0+30E 0+80S	2	13	113	20	.8	4	7	564	3.15	4	<5	<2	<2	9	<.2	3	<2	123	.20	.045	3	26	.21	26	.16	<3	1.33	.03	.03	<2	11
L0+30E 0+85S	2	13	15	14	.3	<1	1	65	8.20	<2	<5	<2	2	4	<.2	<2	<2	302	.08	.015	2	59	.08	9	.34	4	1.77	.02	.03	<2	3
L0+30E 0+90S	1	4	7	11	<.3	9	3	71	4.59	2	5	<2	<2	5	.2	<2	<2	445	.11	.009	2	38	.04	16	.32	<3	.26	.01	.02	<2	2
STANDARD C2/AU-S	19	57	35	144	6.8	68	35	1151	3.88	43	18	8	34	51	19.5	19	15	70	.53	.108	39	63	.95	193	.08	30	1.95	.07	.16	11	44

Sample type: Soil. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ___ FA ___

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ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L0+30E 0+95S	2	16	11	23	.3	5	1	99	6.26	11	<5	<2	2	5	<.2	<2	9	287	.07	.014	1	54	.38	3	.60	5	1.09	.02	.02	<2	19
L0+30E 1+00S	2	12	24	14	.3	4	1	66	3.56	<2	<5	<2	2	5	<.2	<2	4	173	.14	.011	3	32	.17	7	.29	<3	1.41	.02	.02	<2	9
L0+30E 1+05S	2	25	123	47	.3	16	30	817	4.15	<2	<5	<2	<2	6	.4	<2	<2	122	.17	.034	6	64	.30	14	.20	6	4.37	.03	.02	<2	17
L0+30E 1+10S	2	24	174	51	.3	11	25	1423	5.72	<2	<5	<2	2	6	<.2	<2	3	159	.16	.024	4	66	.29	7	.29	5	3.59	.02	.02	<2	106
L0+50E 0+65S	2	23	99	43	.3	6	5	131	1.61	2	<5	<2	<2	10	<.2	<2	2	72	.13	.023	4	27	.26	20	.15	<3	1.98	.01	.01	<2	11
L0+50E 0+70S	3	20	243	61	.3	7	12	440	3.62	<2	<5	<2	<2	10	.3	2	4	105	.14	.013	2	30	.30	53	.25	4	1.93	.02	.02	<2	25
L0+50E 0+75S	4	44	179	117	.9	14	15	1108	4.87	10	<5	<2	2	6	.4	<2	<2	129	.15	.030	6	47	.20	27	.17	3	3.95	.03	.02	<2	26
L0+50E 0+80S	2	31	94	52	.3	11	6	127	3.71	4	<5	<2	2	7	.2	<2	2	134	.19	.027	4	56	.23	<1	.20	3	5.50	.03	.02	2	318
L0+50E 0+85S	2	28	37	15	.7	8	4	86	5.71	<2	5	<2	3	5	<.2	<2	3	235	.16	.011	2	71	.14	4	.34	<3	3.52	.03	.02	<2	5
L0+50E 0+90S	1	34	109	22	.6	8	3	70	4.57	<2	<5	<2	2	6	<.2	<2	8	166	.14	.015	4	52	.13	<1	.19	<3	4.10	.02	.02	<2	20
L0+50E 0+95S	1	17	76	14	.3	7	2	72	6.37	<2	<5	<2	2	4	<.2	<2	2	281	.10	.011	2	63	.13	<1	.32	5	2.21	.01	.02	<2	16
L0+70E 0+65S	3	18	337	20	.5	8	6	287	7.03	6	<5	<2	2	5	.2	<2	4	190	.12	.020	2	32	.22	1	.20	<3	1.80	.02	.02	<2	28
L0+70E 0+70S	4	19	274	80	.4	6	4	141	4.30	5	<5	<2	<2	5	.2	<2	7	160	.12	.012	2	37	.29	<1	.24	<3	1.69	.02	.02	<2	324
L0+70E 0+75S	8	28	510	223	.3	14	34	1634	8.11	9	<5	<2	2	7	.5	<2	2	265	.27	.023	4	66	.25	27	.32	4	3.75	.02	.03	<2	57
L0+70E 0+80S	2	7	27	25	1.8	5	2	90	3.62	5	<5	<2	<2	4	.3	<2	4	247	.11	.007	2	26	.15	3	.36	4	.46	.01	.02	<2	138
L0+70E 0+85S	2	8	19	13	<.3	8	3	100	3.54	3	6	<2	<2	4	<.2	<2	2	217	.11	.009	3	39	.20	3	.22	<3	.54	.01	.02	<2	101
L0+70E 0+90S	2	21	26	18	<.3	13	5	114	5.44	6	<5	<2	2	7	<.2	3	<2	321	.13	.011	2	48	.38	<1	.34	6	.83	.01	.02	<2	380
L0+70E 0+95S	1	9	18	12	<.3	8	3	86	8.49	<2	<5	<2	2	4	<.2	<2	4	360	.11	.008	2	89	.10	3	.44	5	1.04	.01	.02	<2	19
L0+90E 0+60S	4	3	83	17	.3	4	1	124	.87	<2	<5	<2	<2	10	<.2	<2	2	85	.09	.011	3	13	.43	20	.20	<3	1.07	.01	.03	<2	9
L0+90E 0+65S	7	24	230	51	.3	8	2	125	4.32	5	<5	<2	<2	5	<.2	<2	4	192	.11	.010	2	34	.40	6	.32	6	2.27	.01	.02	<2	31
L0+90E 0+70S	5	16	380	43	1.6	2	1	132	2.02	8	<5	<2	<2	8	<.2	<2	<2	73	.22	.037	4	20	.39	20	.14	<3	.78	.01	.04	<2	90
L0+90E 0+75S	2	42	60	192	.3	43	14	257	3.41	3	<5	<2	<2	13	.5	<2	<2	108	.68	.044	5	73	.98	84	.20	<3	5.11	.04	.07	<2	47
L0+90E 0+80S	1	11	18	27	.3	11	4	95	.79	3	5	<2	<2	5	.2	<2	<2	46	.35	.034	3	47	.33	23	.20	<3	1.68	.02	.02	<2	6
L0+90E 0+85S	1	13	16	34	<.3	26	11	273	2.37	<2	<5	<2	<2	7	<.2	<2	<2	138	.47	.016	1	48	1.03	18	.41	<3	1.24	.06	.05	<2	4
RE L0+90E 0+85S	1	13	14	34	<.3	26	10	269	2.38	<2	<5	<2	<2	7	.4	<2	<2	138	.47	.018	1	48	1.03	16	.41	4	1.25	.06	.04	<2	7
L0+90E 0+90S	1	9	13	43	<.3	2	4	205	6.67	<2	<5	<2	<2	9	<.2	<2	<2	266	.27	.013	2	25	.52	10	.71	<3	1.24	.01	.03	<2	3
L1+20E 1+00N	1	4	13	4	<.3	2	<1	46	.27	<2	<5	<2	<2	9	<.2	<2	6	45	.12	.015	3	23	.04	6	.24	<3	.42	.01	.02	<2	2
L1+20E 0+80N	2	3	7	9	<.3	4	2	71	.46	3	<5	<2	<2	5	<.2	<2	4	48	.13	.006	2	37	.22	<1	.24	<3	.46	.01	.01	<2	3
L1+20E 0+60N	2	12	5	16	<.3	8	2	67	2.51	<2	<5	<2	<2	6	<.2	<2	3	94	.13	.031	4	44	.23	6	.14	<3	3.36	.02	.02	<2	3
L1+20E 0+40N	2	6	4	14	<.3	6	<1	50	2.52	<2	7	<2	<2	4	<.2	<2	<2	178	.09	.015	2	37	.11	<1	.23	<3	1.61	.01	.01	<2	3
L1+20E 0+20N	3	17	6	35	<.3	13	4	99	1.54	<2	6	<2	<2	9	<.2	<2	4	103	.21	.034	5	39	.29	20	.19	<3	2.88	.02	.02	<2	4
L1+20E BL	27	27	14	99	<.3	20	2	56	6.68	36	10	<2	4	11	<.2	<2	9	183	.07	.021	5	40	.07	31	.35	5	6.34	.01	.02	<2	2
L1+20E 0+20S	1	4	20	10	<.3	6	2	62	.52	<2	<5	<2	<2	6	<.2	<2	4	51	.07	.009	4	22	.11	3	.19	<3	.89	.01	.02	<2	7
L1+20E 0+40S	2	21	7	21	<.3	10	3	104	4.84	8	<5	<2	3	6	<.2	<2	6	140	.11	.018	2	74	.30	6	.20	<3	4.68	.02	.02	<2	3
L1+20E 0+60S	3	147	704	109	.8	4	1	64	6.75	23	<5	2	4	6	.6	<2	5	191	.14	.032	4	130	.19	<1	.16	5	5.37	.02	.01	<2	2240
STANDARD C2/AU-S	19	57	37	148	6.7	72	34	1146	3.77	48	14	7	34	50	20.1	15	21	70	.53	.110	38	62	.92	195	.08	29	1.92	.07	.16	12	52

Sample type: Soil. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L1+20E 0+80S	<1	6	66	11	.4	28	4	82	.69	<2	<5	<2	<2	7	<.2	<2	7	26	.26	.025	1	61	.51	15	.12	6	.87	.01	.02	<2	6
L1+20E 1+00S	1	12	16	20	.3	14	5	111	1.02	<2	<5	<2	<2	10	<.2	<2	7	48	.26	.028	3	38	.43	8	.14	<3	1.48	.03	.04	<2	2
RE L1+20E 1+00S	1	13	16	18	<.3	12	4	101	.94	<2	<5	<2	<2	9	<.2	<2	6	44	.24	.025	3	34	.40	18	.13	<3	1.33	.03	.03	<2	3
L1+40E 1+00N	3	17	<3	20	<.3	7	2	69	4.89	<2	5	<2	3	7	<.2	<2	3	218	.13	.014	2	88	.18	19	.23	<3	5.06	.02	.02	<2	57
L1+40E 0+80N	2	31	<3	31	<.3	14	6	154	1.95	<2	<5	<2	<2	7	.3	3	<2	105	.16	.046	3	65	.60	5	.16	<3	6.67	.02	.03	<2	6
L1+40E 0+60N	1	20	<3	16	<.3	11	1	57	4.77	<2	7	<2	3	5	.2	<2	7	125	.09	.026	3	117	.19	5	.15	6	7.98	.02	.02	<2	1
L1+40E 0+40N	1	41	<3	39	<.3	33	5	115	1.94	<2	<5	<2	<2	10	.3	<2	9	90	.16	.066	9	67	.55	26	.13	<3	5.90	.03	.02	<2	1
L1+40E 0+20N	2	13	<3	26	<.3	7	2	79	1.71	2	<5	<2	<2	9	<.2	<2	5	95	.18	.030	4	50	.20	13	.16	<3	4.45	.02	.01	<2	1
L1+40E BL	29	27	6	89	<.3	11	1	72	5.22	34	<5	<2	2	6	.5	3	3	210	.07	.019	3	43	.11	24	.42	4	7.92	.01	.03	<2	1
L1+40E 0+20S	1	18	<3	31	<.3	12	3	94	1.37	5	<5	<2	<2	9	<.2	<2	3	65	.19	.038	6	41	.35	26	.17	<3	5.15	.02	.02	<2	1
L1+40E 0+40S	1	6	4	12	<.3	5	1	66	4.45	3	<5	<2	2	4	.2	<2	<2	189	.12	.014	2	64	.20	6	.24	<3	3.65	.02	.02	<2	1
L1+40E 0+60S	1	12	6	18	<.3	4	2	99	4.49	3	<5	<2	2	5	.5	<2	3	161	.13	.017	2	54	.19	10	.20	<3	4.55	.02	.02	<2	3
L1+40E 0+80S	1	5	12	10	<.3	9	1	68	.99	2	<5	<2	<2	6	<.2	<2	5	66	.15	.015	3	34	.25	7	.24	<3	1.53	.01	.02	<2	3
L1+40E 1+00S	<1	2	4	104	<.3	64	24	709	5.03	4	<5	<2	<2	5	.3	<2	4	178	.43	.024	1	103	2.21	44	.29	<3	2.32	.05	.20	<2	2
L1+60E 1+00N	1	9	4	12	<.3	5	3	112	6.51	<2	<5	<2	<2	4	.2	<2	3	251	.13	.012	1	57	.31	10	.33	3	1.53	.01	.02	<2	1
L1+60E 0+80N	1	26	<3	25	<.3	20	6	96	2.41	<2	<5	<2	<2	10	<.2	<2	<2	160	.21	.036	5	55	.32	25	.17	3	4.42	.03	.02	<2	1
L1+60E 0+60N	1	10	<3	14	<.3	5	<1	53	2.35	2	<5	<2	<2	7	<.2	<2	<2	293	.14	.018	3	55	.11	<1	.28	<3	3.64	.02	.02	<2	2
L1+60E 0+40N	1	9	6	11	<.3	4	1	59	5.88	<2	<5	<2	<2	5	<.2	<2	2	260	.11	.018	3	55	.14	11	.29	4	3.60	.01	.02	<2	1
L1+60E 0+20N	2	41	<3	84	<.3	17	6	137	3.28	<2	<5	<2	<2	11	<.2	4	4	141	.21	.063	9	49	.40	19	.16	4	6.49	.03	.03	<2	2
L1+60E BL	25	35	13	181	<.3	38	8	289	6.34	36	<5	<2	3	8	.8	3	<2	259	.07	.025	4	70	1.30	40	.38	<3	4.81	.01	.02	<2	2
L1+60E 0+20S	1	13	<3	30	<.3	11	3	112	1.24	3	8	<2	<2	12	.5	2	<2	65	.28	.044	6	41	.31	24	.13	3	3.86	.02	.02	<2	2
L1+60E 0+40S	2	12	12	21	<.3	7	1	82	2.50	5	<5	<2	<2	7	.2	2	3	114	.14	.021	6	37	.27	15	.14	3	3.37	.01	.02	<2	12
L1+60E 0+60S	<1	15	<3	20	<.3	9	3	99	2.35	2	<5	<2	<2	11	<.2	<2	3	89	.29	.047	6	47	.31	12	.15	4	4.43	.04	.02	<2	2
L1+60E 0+80S	1	19	<3	24	<.3	11	3	116	5.07	<2	<5	<2	2	5	.3	<2	<2	163	.16	.016	1	88	.33	16	.24	5	5.81	.03	.02	<2	1
L1+60E 1+00S	1	13	<3	6	<.3	4	2	228	1.56	<2	<5	<2	<2	2	<.2	<2	4	46	.06	.010	2	26	.14	9	.08	<3	2.23	.01	.01	<2	3
L1+80E 1+00N	1	19	4	8	<.3	7	2	63	2.64	3	8	<2	<2	8	.3	<2	5	144	.13	.028	5	56	.19	10	.19	<3	4.09	.02	.02	<2	6
L1+80E 0+80N	1	14	<3	13	<.3	7	3	82	2.57	2	<5	<2	<2	9	.2	2	6	122	.20	.030	3	47	.21	20	.18	<3	3.35	.02	.02	<2	1
L1+80E 0+60N	1	12	<3	12	<.3	7	2	77	5.52	<2	<5	<2	<2	6	.5	<2	<2	199	.14	.018	2	72	.16	17	.24	<3	3.97	.02	.02	<2	1
L1+80E 0+40N	1	7	4	9	<.3	8	2	79	4.68	<2	<5	<2	<2	10	<.2	<2	2	228	.15	.015	3	59	.30	13	.23	<3	3.50	.03	.02	<2	2
L1+80E 0+20N	3	36	<3	45	<.3	19	5	124	2.91	4	<5	<2	2	6	<.2	<2	9	125	.12	.025	3	62	.58	27	.20	5	6.32	.02	.02	<2	2
L1+80E BL	10	18	5	70	.5	8	1	59	2.64	14	5	<2	<2	9	.4	5	<2	128	.13	.031	6	43	.24	35	.21	4	6.18	.01	.02	<2	1
L1+80E 0+20S	4	16	<3	47	<.3	12	3	102	1.56	2	<5	<2	<2	14	<.2	<2	4	104	.30	.046	5	44	.34	20	.15	4	4.20	.02	.02	<2	2
L1+80E 0+40S	4	28	23	54	<.3	8	3	145	8.30	48	<5	<2	2	7	<.2	<2	<2	180	.17	.030	9	44	.28	35	.11	4	5.31	.01	.02	<2	40
L1+80E 0+60S	1	20	6	23	<.3	7	3	127	1.72	<2	<5	<2	<2	10	.2	3	<2	96	.25	.027	4	70	.37	17	.25	<3	4.68	.02	.02	<2	3
L1+80E 0+80S	2	4	21	40	<.3	19	7	379	4.41	8	<5	<2	<2	6	<.2	<2	<2	229	.18	.030	2	52	.95	19	.31	3	1.76	.02	.03	<2	11
STANDARD C2/AU-S	19	57	37	151	7.0	76	34	1172	3.97	46	19	7	32	52	20.7	17	18	73	.56	.109	38	60	.95	195	.08	29	2.05	.06	.15	11	44

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ✓ FA ____

Ashworth Exploration Ltd. PROJECT NUGGET QUEEN FILE # 96-6913

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L1+80E 1+00S	2	26	9	48	.5	12	5	190	6.29	<2	<5	<2	4	6	1.5	3	5	233	.25	.020	5	88	.41	16	.51	7	4.59	.02	.02	<2	16
L2+20E 0+00	7	11	11	54	.5	2	2	105	1.94	6	<5	<2	<2	6	1.4	4	2	103	.10	.029	4	28	.95	22	.13	<3	1.21	<.01	.02	<2	2
L2+20E 0+20S	2	7	12	4	.3	1	1	26	.21	3	<5	<2	<2	5	.8	3	2	35	.05	.032	3	19	.04	21	.16	3	.92	<.01	.03	<2	1
L2+20E 0+40S	<1	3	<3	<1	.3	<1	1	29	.05	4	<5	<2	<2	4	.4	2	<2	5	.02	.011	3	1	.01	11	.01	4	.18	<.01	.03	<2	2
L2+20E 0+60S	3	10	14	5	.4	1	1	34	.65	<2	<5	<2	<2	5	.6	<2	<2	31	.06	.071	4	11	.07	30	.04	<3	.76	.01	.05	<2	15
L2+20E 0+80S	1	9	18	12	.6	7	4	143	2.48	5	6	<2	<2	5	.3	3	4	194	.10	.068	3	35	.23	14	.18	<3	1.27	.01	.02	<2	5
L2+20E 1+00S	<1	3	17	2	.5	2	<1	39	.25	4	11	<2	<2	5	.4	4	5	64	.07	.021	3	17	.05	14	.46	3	.52	.01	.02	<2	13
L2+40E 0+00	34	10	15	44	.6	6	<1	37	1.50	16	<5	<2	<2	12	.6	6	3	171	.11	.016	5	21	.15	20	.33	<3	2.53	<.01	.02	<2	1
L2+40E 0+20S	2	3	8	1	.5	1	1	36	.20	5	13	<2	2	3	.5	5	<2	41	.04	.010	3	7	.11	30	.15	3	.69	<.01	.04	<2	<1
L2+40E 0+40S	<1	4	3	<1	<.3	<1	<1	18	.13	2	<5	<2	<2	4	<.2	<2	<2	5	.01	.014	2	2	.04	13	<.01	<3	.30	<.01	.03	<2	2
L2+40E 0+60S	1	15	23	3	.6	2	1	44	.37	3	<5	<2	<2	8	.5	3	<2	36	.19	.036	3	23	.09	20	.10	<3	1.40	.01	.01	<2	4
L2+40E 0+80S	<1	4	8	66	.6	19	10	318	1.05	2	15	<2	<2	10	.5	5	5	85	.41	.011	2	73	1.20	23	.41	4	2.03	.03	.06	<2	2
L2+40E 1+00S	<1	3	8	<1	.5	<1	1	61	.26	5	9	<2	2	2	.4	4	4	39	.06	.005	3	5	.03	3	.33	<3	.46	<.01	.03	<2	1
L2+60E 0+00	16	5	21	33	1.2	3	<1	55	1.19	5	14	<2	2	3	.4	6	5	185	.02	.012	2	25	.65	12	.38	<3	1.39	<.01	.02	<2	1
L2+60E 0+20S	6	4	16	10	.6	2	<1	125	3.11	2	5	<2	<2	10	<.2	5	7	203	.15	.016	4	25	.36	31	.37	<3	1.47	.01	.06	<2	1
L2+60E 0+40S	1	4	10	<1	.6	<1	<1	24	.15	5	<5	<2	<2	4	.3	2	4	17	.07	.023	3	5	.03	11	.08	3	.28	.01	.03	<2	565
L2+60E 0+60S	10	31	20	105	.5	10	<1	108	5.56	5	<5	<2	2	14	.4	3	6	146	.11	.030	4	46	.10	22	.33	<3	6.39	.01	.02	<2	4
L2+60E 0+80S	<1	7	7	1	.6	3	1	9	.47	3	12	<2	<2	3	<.2	4	<2	18	.04	.081	3	11	.02	14	.03	3	.92	.01	.03	<2	7
L2+60E 1+00S	<1	4	19	10	.3	<1	1	123	.97	<2	<5	<2	<2	4	.4	<2	2	169	.14	.004	1	18	.23	<1	.59	<3	.65	.01	.01	<2	7
L2+80E 0+00	7	21	6	36	.6	8	4	74	2.92	4	<5	<2	<2	10	.3	<2	<2	127	.17	.030	8	41	.21	14	.20	<3	6.49	.03	.02	<2	4
L2+80E 0+20S	1	2	9	1	.8	2	<1	74	.24	6	14	<2	2	3	.5	3	<2	29	.05	.010	5	6	.06	1	.14	<3	.44	.01	.02	<2	2
L2+80E 0+40S	<1	2	5	<1	<.3	<1	<1	35	.12	<2	<5	<2	<2	2	<.2	2	<2	23	.01	.015	1	2	.03	13	.05	4	.80	<.01	.02	<2	138
L2+80E 0+60S	3	8	59	8	.9	10	2	46	.69	2	<5	<2	<2	5	.2	4	3	54	.09	.018	4	23	.22	20	.23	3	.68	.01	.03	<2	13
RE L2+80E 0+60S	3	8	59	8	.6	7	2	48	.71	6	<5	<2	<2	5	.2	3	<2	56	.09	.019	3	25	.23	9	.24	3	.72	.01	.03	<2	12
L2+80E 0+80S	1	10	12	13	<.3	3	1	104	7.99	<2	<5	<2	2	3	<.2	<2	7	315	.12	.011	3	74	.28	<1	.45	<3	3.04	.02	.02	<2	5
L2+80E 1+00S	<1	2	9	<1	.6	<1	1	41	.23	2	8	<2	<2	2	<.2	3	5	22	.05	.011	4	7	.03	6	.20	<3	.54	<.01	.04	<2	2
L3+00E 0+00	6	20	3	225	.6	23	3	99	1.40	3	<5	<2	<2	18	.4	2	<2	57	.41	.087	7	27	.34	32	.11	3	4.98	.03	.02	<2	4
L3+00E 0+20S	1	4	5	5	.6	<1	<1	57	.12	3	14	<2	<2	3	<.2	4	<2	40	.02	.004	4	2	.04	2	.14	5	.40	<.01	.02	<2	1
L3+00E 0+40S	1	2	8	<1	<.3	<1	<1	75	.24	<2	<5	<2	<2	4	<.2	<2	<2	34	.09	.007	2	19	.04	<1	.16	<3	.39	.01	.02	<2	9
L3+00E 0+60S	1	16	22	7	.8	1	<1	43	.66	4	<5	<2	<2	5	<.2	3	<2	20	.09	.030	9	13	.14	15	.03	<3	.77	.01	.04	<2	22
L3+00E 0+80S	<1	2	16	<1	.6	1	<1	58	.21	<2	9	<2	<2	4	.5	4	10	57	.05	.005	2	22	.05	1	.49	4	.40	<.01	.01	<2	2
L3+00E 1+00S	<1	12	7	20	<.3	35	8	215	1.22	<2	<5	<2	<2	5	.3	2	<2	75	.25	.005	1	70	1.15	5	.39	3	1.32	.03	.04	<2	3
L3+20E 0+00	10	7	17	27	.8	5	1	156	.86	3	13	<2	<2	10	<.2	5	4	120	.08	.015	2	80	.68	60	.35	<3	1.25	.01	.03	<2	2
L3+20E 0+20S	5	4	7	6	<.3	1	<1	119	1.42	<2	<5	<2	<2	20	.5	<2	<2	123	.19	.014	2	11	.25	17	.28	<3	.65	.01	.05	<2	1
L3+20E 0+40S	1	3	5	<1	<.3	<1	<1	77	.14	<2	<5	<2	<2	2	<.2	2	<2	20	.02	.007	4	4	.02	<1	.11	3	.42	<.01	.02	<2	<1
STANDARD C2/AU-S	18	55	37	133	7.0	68	34	1104	3.70	48	19	8	32	50	19.0	18	21	69	.52	.108	37	60	.91	195	.08	27	1.89	.06	.15	12	46

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ✓ FA ____

Ashworth Exploration Ltd. PROJECT NUGGET QUEEN FILE # 96-6913

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L3+20E 0+60S	1	3	4	6	<.3	<1	1	19	.12	<2	<5	<2	<2	3	<.2	<2	<2	16	.02	.008	19	3	.02	8	.01	3	.18	<.01	.03	<2	25
L3+20E 0+80S	<1	3	7	8	.6	3	2	107	1.10	<2	13	<2	4	4	.6	5	<2	103	.12	.006	6	8	.07	2	.43	3	.21	.01	.01	<2	5
L3+20E 1+00S	<1	6	10	23	.4	17	3	158	8.82	4	16	<2	<2	4	<.2	<2	<2	406	.25	.009	2	77	.74	<1	.62	<3	1.34	.04	.03	<2	12
L3+40E 0+00	1	5	<3	9	.4	4	<1	61	8.88	2	6	<2	2	5	.2	2	6	335	.11	.016	2	67	.14	5	.43	3	2.12	.02	.02	<2	4
RE L3+40E 0+00	1	7	3	9	.6	3	1	67	9.02	2	10	<2	3	4	.2	4	<2	337	.11	.014	2	67	.15	2	.44	<3	2.16	.02	.03	<2	2
L3+40E 0+20S	1	11	7	8	1.1	5	<1	19	1.04	4	<5	<2	<2	4	.4	<2	<2	23	.06	.110	4	14	.02	15	.02	<3	.73	.01	.02	<2	1
L3+40E 0+40S	2	4	9	13	.5	2	1	56	3.02	<2	5	<2	2	10	<.2	2	<2	88	.19	.038	5	22	.12	21	.08	<3	1.17	.01	.04	<2	3
L3+40E 0+60S	1	14	11	9	.9	3	<1	32	.34	2	<5	<2	<2	13	<.2	2	<2	14	.37	.064	3	5	.03	2	.02	3	.63	.01	.03	<2	1
L3+40E 0+80S	1	17	9	7	.8	6	1	26	.20	2	8	<2	3	6	<.2	4	2	60	.13	.042	4	31	.04	17	.10	3	1.54	.01	.02	<2	<1
L3+40E 1+00S	7	1	<3	12	.3	<1	1	12	.43	<2	<5	<2	<2	21	.6	<2	<2	36	.27	.032	1	3	.08	10	.05	7	.10	.01	.03	<2	1
L3+60E 0+00	1	6	5	5	.4	5	1	19	.26	<2	<5	<2	<2	9	.2	<2	<2	9	.19	.067	2	4	.03	23	.01	3	.49	.01	.02	<2	1
L3+60E 0+20S	2	<1	4	4	<.3	1	<1	32	.16	<2	<5	<2	<2	2	<.2	<2	<2	43	.03	.005	2	6	.04	7	.20	<3	.21	<.01	.01	<2	<1
L3+60E 0+40S	6	6	11	12	.8	5	1	59	.53	<2	<5	<2	<2	9	.2	2	<2	47	.22	.036	2	21	.15	12	.14	<3	.54	.02	.04	<2	<1
L3+60E 0+60S	2	7	10	13	.5	5	2	72	.61	<2	8	<2	2	7	<.2	2	<2	77	.16	.017	5	51	.20	<1	.25	<3	1.88	.02	.02	<2	1
L3+60E 0+80S	<1	2	12	42	.3	10	7	333	1.02	<2	<5	<2	<2	4	.2	<2	<2	116	.19	.016	4	45	.93	3	.34	<3	.95	.03	.03	<2	1
L3+60E 1+00S	<1	3	18	22	.4	11	3	218	1.94	<2	5	<2	<2	8	.5	4	2	259	.15	.006	5	42	.34	5	.62	<3	.60	.01	.02	<2	5
L3+80E 0+00	21	8	9	120	<.3	10	<1	65	.85	12	<5	<2	<2	5	.2	4	<2	207	.04	.008	4	30	.34	58	.26	<3	1.76	<.01	.03	<2	1
L3+80E 0+20S	<1	4	7	19	.6	1	1	243	.07	<2	<5	<2	<2	28	.5	<2	<2	4	.83	.051	1	2	.09	17	<.01	6	.09	.01	.06	<2	<1
L3+80E 0+40S	3	2	5	6	.7	<1	<1	10	.22	<2	<5	<2	2	3	.2	<2	<2	28	.05	.011	2	2	.02	8	.03	<3	.30	<.01	.04	<2	<1
L3+80E 0+60S	2	1	6	20	<.3	10	4	121	2.41	2	<5	<2	<2	6	<.2	<2	<2	52	.20	.018	1	32	.58	1	.18	3	.71	.03	.03	<2	<1
L3+80E 0+80S	2	<1	23	11	.4	5	1	81	.84	2	<5	<2	<2	6	.5	2	3	105	.15	.007	4	31	.18	4	.52	3	.70	.01	.02	<2	<1
STANDARD C2/AU-S	20	56	32	152	6.9	71	33	1142	3.91	47	16	7	35	52	20.1	20	18	72	.53	.111	39	63	.94	201	.08	28	1.94	.07	.17	13	45

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ✓ FA ___

Ashworth Exploration Ltd. PROJECT NUGGET QUEEN FILE # 96-6913

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
R1	12	62	27	140	.6	39	8	325	3.56	5	<5	<2	<2	47	1.2	<2	<2	99	.87	.068	3	39	.85	62	.18	3	2.88	.12	.13	<2	39
R2	3	44	21	104	<.3	24	8	458	3.93	6	<5	<2	2	39	.2	<2	5	102	.61	.042	4	38	1.36	96	.18	4	3.45	.18	.22	<2	36
R3	2	31	12	78	<.3	24	8	408	4.37	<2	<5	<2	2	14	<.2	2	6	106	.37	.025	3	53	1.61	72	.20	<3	3.35	.07	.17	<2	6
RE R3	2	30	15	78	<.3	23	8	415	4.38	2	<5	<2	2	14	<.2	<2	<2	105	.37	.024	3	52	1.61	69	.20	<3	3.38	.07	.17	<2	8
R4	2	29	10	99	<.3	63	22	637	5.47	13	<5	<2	<2	19	<.2	<2	4	169	.53	.018	1	118	2.67	46	.28	<3	5.22	.09	.08	<2	5
R5	3	34	10	69	<.3	28	10	371	4.03	<2	<5	<2	<2	29	<.2	<2	6	140	.58	.048	4	62	1.29	98	.24	<3	4.03	.10	.19	<2	4
R6	1	36	7	64	<.3	21	10	262	3.45	11	<5	<2	<2	35	.3	<2	2	97	.74	.096	4	33	.96	87	.10	<3	2.30	.15	.15	<2	2
R7	9	13	366	33	524.6	11	<1	155	.63	5	<5	410	<2	4	1.1	<2	7	5	.09	.003	<1	38	.06	15	.01	<3	.16	<.01	.03	4	99999
R8	3	58	7	119	.7	20	12	489	4.57	2	<5	<2	2	59	.4	<2	<2	116	.83	.092	6	27	1.30	133	.16	<3	3.07	.21	.20	<2	61
R9	2	59	15	85	.9	24	13	567	4.24	<2	<5	<2	2	80	.2	<2	<2	127	1.11	.080	7	42	1.51	125	.20	<3	3.44	.21	.14	<2	527
R10	<1	21	<3	53	<.3	171	56	1026	7.12	<2	<5	<2	<2	203	.6	<2	<2	49	3.03	.014	1	168	7.12	34	.05	7	5.86	.21	.05	<2	<2
R11	4	52	12	134	.6	19	12	564	4.57	9	<5	<2	2	44	.5	<2	<2	107	.51	.081	8	29	1.41	247	.10	4	2.53	.19	.17	<2	67
R12	3	51	8	127	<.3	23	17	881	4.50	23	<5	<2	2	21	.5	<2	3	83	.45	.083	9	26	1.34	169	.10	<3	2.55	.09	.27	<2	5
R13	2	34	10	162	.3	23	16	1818	6.10	20	5	<2	2	15	<.2	<2	<2	115	.25	.081	9	35	1.76	461	.08	<3	3.29	.09	.24	<2	18
R14	5	47	9	127	.3	15	11	767	4.46	34	<5	<2	<2	29	.9	<2	<2	59	.53	.081	6	13	1.06	348	.06	6	1.85	.15	.20	<2	3
R15	10	50	14	222	.4	19	9	910	4.65	65	5	<2	2	12	2.7	<2	<2	28	.09	.069	6	10	.09	216	.01	4	1.05	.04	.23	<2	19
R16	19	66	1641	830	8.7	21	3	192	2.68	70	5	<2	<2	8	19.6	13	2	21	.08	.077	5	17	.03	63	.01	<3	.40	.01	.16	2	156
R17	7	206	751	350	5.2	20	9	563	4.05	71	<5	<2	<2	9	11.8	5	<2	45	.13	.059	4	24	1.14	84	.05	<3	1.79	.03	.40	3	4446
R18	5	389	695	105	9.0	11	4	901	2.90	102	<5	2	<2	3	.9	<2	<2	18	.05	.022	3	18	.16	31	.01	4	.43	<.01	.10	2	5381
R19	3	9	11	5	<.3	9	<1	74	.51	3	<5	<2	<2	1	.2	<2	<2	5	.03	.002	1	28	.04	8	.01	<3	.10	.01	.01	2	42
R20	6	76	132	399	1.5	35	11	615	3.79	24	<5	<2	<2	29	5.6	<2	<2	47	.56	.179	4	24	.60	197	.08	<3	1.11	.07	.18	<2	3365
R21	7	81	74	98	.8	33	10	452	2.47	70	<5	<2	<2	19	1.1	<2	2	42	.32	.141	4	38	.46	86	.05	<3	.72	.09	.08	<2	16
R22	9	53	75	250	1.1	43	13	1187	3.68	8	6	<2	<2	25	2.9	<2	<2	50	.53	.242	6	24	.63	166	.03	<3	1.11	.07	.16	<2	19
R23	18	129	545	1530	2.6	49	15	867	3.67	41	<5	<2	<2	11	36.5	<2	<2	71	.25	.132	9	23	.63	95	.02	<3	1.10	.05	.18	2	62
R24	11	60	42	61	.5	22	7	382	2.10	144	<5	<2	<2	10	.3	<2	<2	23	.15	.043	4	27	.35	20	.01	<3	.56	.06	.02	<2	56
R25	4	45	10	109	<.3	20	11	629	3.90	<2	<5	<2	<2	63	.3	<2	<2	127	1.03	.073	4	33	1.44	230	.20	<3	2.93	.23	.43	<2	5
R26	3	49	4	89	<.3	28	13	600	3.78	6	<5	<2	<2	54	.2	<2	<2	128	.88	.077	6	36	1.45	277	.22	<3	2.67	.21	.46	<2	2
R27	9	46	6	271	.3	22	9	387	3.45	16	<5	<2	2	24	3.6	<2	4	92	.41	.064	5	21	.82	292	.18	<3	1.75	.09	.33	<2	4
R28	8	32	8	103	.3	39	15	1000	5.26	9	<5	<2	2	58	.2	<2	<2	140	.71	.090	6	38	2.83	97	.16	<3	3.64	.14	.21	<2	2
R29	1	42	12	119	<.3	32	22	1134	5.69	<2	<5	<2	<2	84	<.2	<2	<2	149	.62	.057	5	45	3.78	89	.18	4	4.31	.17	.21	<2	<2
R30	1	49	8	111	<.3	31	19	1095	5.95	<2	<5	<2	<2	41	<.2	<2	<2	145	.59	.055	5	43	3.74	68	.16	<3	3.97	.15	.25	<2	3
R31	16	14	3	76	<.3	14	<1	179	2.46	36	<5	<2	<2	10	.5	<2	<2	73	.27	.157	5	23	.43	113	.07	<3	.86	.01	.24	<2	5
R32	12	26	<3	126	<.3	32	5	383	3.69	20	<5	<2	2	12	1.0	2	<2	81	.25	.114	5	81	1.64	79	.08	<3	1.81	.02	.19	<2	5
R33	15	27	8	130	.3	12	1	168	3.81	11	<5	<2	<2	21	2.0	<2	2	120	.33	.181	4	35	.73	128	.04	<3	1.19	.03	.23	<2	5
R34	12	36	7	158	.3	16	4	127	3.59	10	<5	<2	2	13	2.7	2	<2	74	.12	.082	3	16	.63	107	.01	<3	1.05	.02	.23	<2	6
STANDARD C2/AU-R	19	53	38	139	6.5	69	32	1105	3.67	45	23	8	31	49	19.2	18	18	67	.52	.109	37	60	.94	192	.08	29	1.92	.07	.15	11	499

Sample type: ROCK. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU** ANALYSIS BY FA/ICP FROM 30 GM SAMPLE.

Data ___ FA ___

Ashworth Exploration Ltd. PROJECT NUGGET QUEEN FILE # 96-6913

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
R35	9	29	132	51	13.1	9	<1	45	1.21	26	<5	9	<2	6	.8	4	<2	12	.02	.021	3	27	.03	44	<.01	<3	.15	.01	.08	7	7645
R36	20	13	141	127	.6	17	3	88	3.67	119	<5	<2	<2	7	3.9	2	<2	23	.04	.083	5	12	.04	62	<.01	5	.34	.01	.20	<2	294
R37	24	19	27	132	.4	14	2	103	3.16	45	<5	<2	<2	10	.7	2	<2	49	.15	.147	13	18	.03	86	<.01	4	.45	.01	.25	<2	277
R38	9	47	11	284	.5	17	6	188	4.64	11	<5	<2	<2	17	4.1	<2	3	80	.21	.123	4	25	1.08	116	.01	5	1.54	.03	.29	<2	17
R39	13	28	19	129	.4	10	3	155	4.53	62	<5	<2	<2	14	.8	<2	<2	100	.29	.184	8	26	.71	144	.03	<3	1.37	.01	.35	<2	60
R40	16	30	7	153	.5	22	3	155	2.55	2	<5	<2	2	15	2.8	<2	<2	88	.26	.127	4	26	.64	110	.10	<3	1.01	.03	.22	<2	<2
R41	23	34	7	146	.6	25	4	210	3.42	4	<5	<2	<2	9	1.5	3	2	95	.27	.178	7	31	.70	155	.06	3	1.19	.02	.29	<2	11
RE R41	23	33	9	145	.8	25	4	210	3.40	3	<5	<2	2	9	2.0	2	<2	95	.28	.175	7	30	.70	155	.06	<3	1.18	.02	.29	<2	4
R42	15	36	7	263	.9	33	5	302	3.13	27	<5	<2	<2	18	3.6	3	<2	102	.39	.152	5	31	.73	90	.10	3	1.22	.05	.24	<2	<2
R43	32	34	6	224	.4	16	2	228	3.93	11	<5	<2	<2	12	1.3	3	<2	137	.16	.130	5	26	.56	142	.04	<3	1.10	.03	.27	<2	19
R44	6	1793	8680	217	148.1	12	3	30	2.18	49	<5	89	<2	2	19.1	11	22	8	.01	.006	<1	30	.01	18	.01	<3	.10	<.01	.05	3	34978
R45	5	205	114	15	11.8	9	<1	38	.61	8	<5	<2	<2	1	.3	<2	<2	6	.01	.005	1	37	.02	18	<.01	<3	.06	.01	.04	6	670
R46	4	152	63	9	10.7	11	1	38	.45	2	<5	<2	<2	1	<.2	<2	2	1	.01	.002	<1	30	<.01	7	<.01	<3	.02	.01	.01	5	1689
R47	1	65	9	53	.6	156	31	638	4.82	6	<5	<2	<2	15	<.2	<2	<2	111	.62	.014	<1	202	3.98	31	.17	<3	3.93	.14	.15	<2	18
R48	1	60	7	40	.3	129	26	505	3.37	5	<5	<2	<2	24	<.2	<2	<2	72	.94	.018	1	121	2.95	23	.16	<3	3.29	.19	.11	<2	2
R49	1	71	8	88	.4	217	51	1318	7.49	3	<5	<2	<2	5	.4	<2	<2	218	.16	.012	1	336	6.48	32	.14	6	6.01	.07	.11	<2	<2
R50	<1	84	<3	82	.5	151	42	1001	6.70	<2	<5	<2	<2	6	<.2	<2	<2	193	.31	.016	<1	223	5.53	32	.21	4	5.17	.07	.10	<2	<2
FR 1	2	238	4	44	1.3	24	12	503	2.97	<2	<5	<2	<2	5	.3	<2	<2	99	.20	.017	<1	71	1.32	19	.14	<3	1.46	.04	.04	6	580
FR 2	2	17	<3	52	<.3	19	12	378	3.24	<2	<5	<2	<2	13	<.2	<2	3	92	.47	.017	1	56	1.51	13	.13	<3	1.89	.02	.02	5	10
FR 3	1	30	<3	80	<.3	46	24	665	5.27	<2	<5	<2	<2	24	.2	<2	<2	164	.85	.048	1	153	2.71	31	.28	6	3.02	.11	.10	2	53
FR 4	1	6	9	14	<.3	8	2	142	.57	<2	5	<2	5	32	.2	<2	3	7	.39	.004	8	11	.15	65	.03	5	.78	.11	.14	2	<2
FR 5	1	7	5	12	<.3	9	3	140	.77	<2	<5	<2	5	21	<.2	<2	<2	14	.26	.004	9	11	.20	55	.04	3	.75	.12	.14	3	3
FR 6	1	7	8	7	<.3	7	2	89	.50	<2	6	<2	4	8	<.2	<2	4	5	.20	.002	7	10	.08	131	.03	<3	.63	.11	.21	2	<2
STANDARD C2/AU-R	19	55	38	151	6.8	74	35	1120	3.81	42	18	8	31	51	19.6	20	20	70	.51	.108	38	63	.96	195	.08	32	1.90	.08	.16	12	466

Sample type: ROCK. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU** ANALYSIS BY FA/ICP FROM 30 GM SAMPLE.

Data FA

6-Dec-95

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 2J3

Phone: 604-573-5700
Fax : 604-573-4557

FEED FAX THIS END

FAX

To: Jay
Dept.:
Fax No.: 681-1535
No. of Pages: 10
From: Diane
Date: Dec 8/95
Company:
Fax No.:
Comments: ICP 1105

ASHWORTH EXPLORATION LTD. AK 95-1125
405-609 HASTINGS ST. W
VANCOUVER, B.C.
V6B 4W4

ATTENTION: Mr. Fayz Yacoub

329 Soil samples received Nov. 21, 1995
PROJECT #: None given
SHIPMENT #: None given

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	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	L0+00- 0+40 S	<5	<.2	4.93	10	20	5	0.12	<1	6	39	18	2.96	<10	0.13	51	<1	0.01	6	500	30	<5	<20	8	0.10	<10	133	<10	4	26
2	L0+00- 0+50 S	<5	<.2	1.63	<5	30	20	0.07	1	10	26	12	10.30	<10	0.11	109	2	<.01	2	20	36	<5	<20	2	0.25	<10	294	<10	<1	36
3	L0+00- 0+60 S	<5	<.2	2.00	<5	15	<5	0.10	<1	6	19	11	2.11	<10	0.20	106	<1	0.01	5	190	10	<5	<20	6	0.10	<10	76	<10	<1	32
4	L0+00- 0+70 S	<5	<.2	3.18	10	30	<5	0.16	<1	8	26	34	2.22	<10	0.23	138	<1	0.01	13	580	28	<5	<20	11	0.11	<10	95	<10	3	56
5	L0+00- 0+80 S	60	<.2	3.54	20	35	5	0.11	<1	21	31	43	4.00	<10	0.10	844	2	<.01	8	300	260	<5	<20	5	0.11	<10	157	<10	2	85
6	L0+00- 0+90 S	<5	<.2	3.07	<5	25	25	0.08	<1	12	60	18	7.35	<10	0.07	76	<1	<.01	7	90	22	<5	<20	3	0.32	<10	205	<10	<1	41
7	L0+00- 1+00 S	<5	<.2	6.17	<5	40	20	0.11	<1	19	123	45	6.84	<10	1.14	388	<1	<.01	16	240	30	<5	<20	4	0.40	<10	130	<10	2	71
8	L0+00- 0+10 N	10	<.2	0.59	<5	15	<5	0.02	<1	2	11	67	1.63	<10	0.04	29	9	<.01	5	110	14	<5	<20	1	0.04	<10	89	<10	<1	64
9	L0+00- 0+20 N	<5	<.2	0.11	<5	<5	<5	0.03	<1	<1	2	23	0.07	<10	<.01	9	2	<.01	<1	90	4	<5	<20	<1	<.01	<10	4	<10	<1	36
10	L0+00- 0+30 N	<5	<.2	0.78	<5	15	<5	0.04	<1	2	16	15	0.82	<10	0.05	20	2	<.01	2	230	18	<5	<20	8	0.04	<10	31	<10	1	26
11	L0+00- 0+40 N	<5	<.2	0.24	<5	15	10	0.03	<1	4	2	7	0.65	<10	0.08	29	<1	<.01	<1	30	8	<5	<20	<1	0.26	<10	52	<10	4	16
12	L0+00- 0+60 N	<5	<.2	1.54	<5	15	<5	0.07	<1	3	26	26	0.30	<10	0.14	33	<1	<.01	3	220	12	<5	<20	6	0.09	<10	32	<10	3	19
13	L0+00- 0+70 N	<5	<.2	2.35	10	10	5	0.11	<1	4	25	30	0.52	<10	0.18	55	<1	<.01	4	310	16	<5	<20	6	0.09	<10	58	<10	3	35
14	L0+00- 0+80 N	<5	<.2	3.13	10	10	<5	0.08	<1	5	40	66	0.76	<10	0.22	56	<1	<.01	8	330	12	<5	<20	3	0.13	<10	83	<10	5	28
15	L0+00- 0+90 N	<5	<.2	0.59	<5	10	5	0.06	<1	4	16	11	1.15	<10	0.10	29	<1	<.01	3	70	10	<5	<20	2	0.18	<10	76	<10	1	20
16	L0+00- 1+00 N	<5	<.2	0.65	<5	10	5	0.09	<1	3	13	16	1.16	<10	0.15	47	<1	<.01	5	200	6	<5	<20	4	0.06	<10	39	<10	<1	28
17	L0+20E- 0+10 N	180	3.0	3.35	55	55	<5	0.16	6	11	33	169	6.13	<10	0.32	313	26	<.01	36	580	640	<5	<20	15	0.11	<10	147	<10	4	352
18	L0+20E- 0+20 N	<5	<.2	0.88	<5	40	15	0.09	<1	5	18	9	4.79	<10	0.13	53	15	<.01	2	<10	24	<5	<20	12	0.18	<10	324	<10	<1	55
19	L0+20E- 0+30 N	<5	<.2	1.16	<5	15	5	0.17	<1	4	19	9	0.99	<10	0.10	65	<1	<.01	3	110	22	<5	<20	7	0.16	<10	79	<10	2	37
20	L0+20E- 0+40 N	<5	<.2	5.18	10	25	5	0.15	<1	5	40	16	3.75	<10	0.19	101	3	0.01	9	500	14	<5	<20	7	0.11	<10	85	<10	7	49
21	L0+20E- 0+50 N	<5	<.2	1.87	<5	20	5	0.13	<1	5	17	10	2.99	<10	0.08	319	<1	<.01	4	190	8	<5	<20	4	0.13	<10	65	<10	2	34
22	L0+20E- 0+60 N	<5	<.2	1.88	55	35	15	0.14	<1	10	30	16	7.78	<10	0.15	346	5	<.01	7	260	4	<5	<20	4	0.10	<10	108	<10	<1	48
23	L0+20E- 0+70 N	<5	<.2	0.24	<5	10	5	0.07	<1	3	15	13	0.20	<10	0.02	15	<1	<.01	<1	90	10	<5	<20	6	0.14	<10	20	<10	1	30
24	L0+20E- 0+80 N	<5	<.2	0.99	<5	20	15	0.11	<1	10	34	16	5.45	<10	0.30	80	<1	<.01	9	30	10	<5	<20	3	0.29	<10	256	<10	<1	35
25	L0+20E- 0+90 N	5	<.2	1.77	<5	20	5	0.23	<1	6	28	17	3.54	<10	0.17	122	<1	0.01	5	220	8	<5	<20	10	0.09	<10	141	<10	<1	40

ASHWORTH EXPLORATION LTD. AK 95-1125

ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Au(ppb)	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	L0+20E- 1+00 N	<5	<.2	0.87	<5	<5	10	0.10	<1	10	36	4	1.41	<10	0.75	148	<1	<.01	22	50	6	10	<20	<1	0.20	<10	65	<10	<1	29
27	L0+20E- 0+20 S	<5	<.2	2.02	<5	40	15	0.06	<1	10	77	10	5.86	<10	0.89	200	<1	<.01	16	60	28	<5	<20	10	0.20	<10	162	<10	<1	59
28	L0+20E- 0+30 S	<5	<.2	3.67	<5	35	15	0.04	<1	9	36	21	8.18	<10	0.17	85	1	<.01	4	120	20	<5	<20	4	0.22	<10	211	<10	<1	45
29	L0+20E- 0+40 S	<5	<.2	0.40	<5	10	5	0.06	<1	3	9	2	0.86	<10	0.10	35	<1	<.01	2	40	22	<5	<20	3	0.13	<10	43	<10	<1	15
30	L0+20E- 0+50 S	<5	<.2	0.79	<5	10	5	0.07	<1	3	16	5	1.21	<10	0.41	126	<1	<.01	3	250	24	<5	<20	5	0.05	<10	46	<10	<1	56
31	L0+20E- 0+60 S	<5	<.2	4.02	<5	25	10	0.08	<1	8	43	14	5.91	<10	0.08	75	<1	<.01	4	170	20	<5	<20	5	0.19	<10	170	<10	<1	40
32	L0+20E- 0+70 S	<5	<.2	2.52	<5	20	5	0.09	<1	8	39	15	4.09	<10	0.15	60	<1	<.01	6	130	32	<5	<20	5	0.21	<10	145	<10	<1	35
33	L0+20E- 0+80 S	170	<.2	1.85	<5	30	30	0.12	2	15	44	28	9.94	<10	0.01	74	<1	<.01	8	70	46	<5	<20	<1	0.42	<10	265	<10	<1	64
34	L0+20E- 1+00 S	5	1.8	0.99	<5	<5	5	0.08	<1	4	29	9	0.84	<10	0.11	33	<1	<.01	4	130	46	<5	<20	<1	0.14	<10	70	<10	2	26
35	L0+40E- 0+00 BL	<5	<.2	0.99	<5	35	5	0.16	2	3	17	24	2.87	<10	0.18	98	7	<.01	10	440	124	<5	<20	8	0.06	<10	94	<10	<1	184
36	L0+40E- 0+10 N	<5	<.2	1.17	<5	10	<5	0.07	<1	3	22	8	0.77	<10	0.10	31	<1	<.01	3	150	10	<5	<20	4	0.08	<10	61	<10	1	10
37	L0+40E- 0+20 N	<5	<.2	1.03	<5	45	20	0.11	1	13	36	10	9.59	<10	0.28	177	<1	0.01	8	70	18	<5	<20	6	0.23	<10	355	<10	<1	52
38	L0+40E- 0+30 N	<5	<.2	1.20	5	20	<5	0.30	<1	2	20	25	0.59	<10	0.09	35	<1	0.02	4	500	12	<5	<20	9	0.03	<10	47	<10	2	58
39	L0+40E- 0+40 N	<5	<.2	1.44	<5	15	10	0.09	<1	6	28	5	1.67	<10	0.21	53	<1	<.01	5	100	12	<5	<20	6	0.19	<10	80	<10	2	19
40	L0+40E- 0+50 N	<5	<.2	1.46	<5	15	10	0.06	<1	5	31	4	2.47	<10	0.03	28	<1	<.01	2	80	10	<5	<20	4	0.17	<10	161	<10	<1	14
41	L0+40E- 0+60 N	<5	<.2	4.01	15	15	<5	0.12	<1	3	33	8	0.65	<10	0.09	35	<1	0.01	3	320	18	<5	<20	9	0.08	<10	77	<10	4	13
42	L0+40E- 0+80 N	<5	<.2	1.23	<5	10	<5	0.06	<1	2	21	6	0.74	<10	0.05	21	<1	<.01	1	140	8	<5	<20	5	0.06	<10	34	<10	1	18
43	L0+40E- 0+90 N	<5	<.2	0.79	<5	5	10	0.07	<1	5	31	4	0.39	<10	0.09	30	<1	<.01	2	60	10	<5	<20	3	0.23	<10	111	<10	3	20
44	L0+40E- 1+00 N	<5	<.2	0.76	<5	30	<5	0.11	1	4	17	9	1.73	<10	0.21	75	<1	0.02	3	370	8	<5	<20	7	0.08	<10	96	<10	<1	64
45	L0+40E- 0+10 S	<5	<.2	0.79	<5	20	<5	0.04	<1	2	14	3	1.06	<10	0.35	89	<1	<.01	1	130	14	<5	<20	6	0.05	<10	49	<10	<1	25
46	L0+40E- 0+20 S	<5	<.2	0.38	<5	10	5	0.05	<1	2	9	2	0.13	<10	0.04	17	<1	<.01	<1	90	14	<5	<20	7	0.11	<10	23	<10	2	13
47	L0+40E- 0+30 S	<5	<.2	0.82	<5	10	<5	0.07	<1	3	22	4	0.29	<10	0.05	22	<1	<.01	1	90	16	<5	<20	5	0.12	<10	35	<10	2	12
48	L0+40E- 0+40 S	<5	0.4	0.83	<5	20	<5	0.23	<1	2	10	8	1.73	<10	0.03	46	1	0.01	3	820	24	<5	<20	7	0.01	<10	22	<10	<1	66
49	L0+40E- 0+50 S	<5	<.2	1.17	<5	20	<5	0.15	<1	2	15	7	0.84	<10	0.09	36	<1	0.02	2	210	14	<5	<20	11	0.06	<10	27	<10	2	23
50	L0+40E- 0+60 S	<5	<.2	0.77	<5	15	<5	0.11	<1	2	12	8	0.97	<10	0.07	41	<1	<.01	2	360	26	<5	<20	7	0.06	<10	45	<10	<1	41
51	L0+40E- 0+70 S	<5	<.2	1.85	<5	20	10	0.10	<1	5	28	10	2.96	<10	0.09	34	<1	<.01	3	130	28	<5	<20	4	0.16	<10	168	<10	<1	23
52	L0+40E- 0+80 S	80	0.8	4.97	15	20	<5	0.10	<1	20	52	53	2.91	<10	0.08	172	1	0.01	10	600	190	<5	<20	5	0.11	<10	126	<10	7	63
53	L0+40E- 0+90 S	<5	0.6	0.50	<5	15	<5	0.43	<1	3	8	7	0.93	<10	0.09	97	<1	0.03	3	370	14	<5	<20	15	0.03	<10	25	<10	<1	96
54	L0+40E- 1+00 S	<5	<.2	1.41	<5	30	15	0.09	<1	8	29	13	6.01	<10	0.09	48	<1	0.02	5	140	60	<5	<20	5	0.22	<10	154	<10	<1	61
55	L0+60E- 0+00	<5	<.2	1.03	<5	20	<5	0.13	<1	2	10	6	0.50	<10	0.16	73	3	<.01	5	400	10	<5	<20	14	0.03	<10	22	<10	3	33
56	L0+60E- 0+10 N	<5	<.2	4.94	10	85	15	0.47	2	11	22	14	8.85	<10	0.10	643	17	<.01	11	760	16	<5	<20	21	0.06	<10	128	<10	<1	102
57	L0+60E- 0+20 N	<5	<.2	2.01	<5	30	15	0.10	<1	38	40	12	5.70	<10	0.28	705	2	0.01	8	130	10	<5	<20	6	0.14	<10	183	<10	<1	40
58	L0+60E- 0+30 N	<5	<.2	0.75	65	45	10	0.16	<1	22	12	15	8.07	<10	0.16	943	30	0.02	16	230	18	<5	<20	5	0.05	<10	200	<10	<1	84
59	L0+60E- 0+40 N	<5	<.2	0.57	<5	10	<5	0.07	<1	3	13	6	0.58	<10	0.15	49	<1	0.02	4	240	8	<5	<20	4	0.06	<10	28	<10	<1	50
60	L0+60E- 0+50 N	<5	<.2	0.26	<5	10	5	0.15	<1	6	28	4	1.86	<10	0.13	69	<1	<.01	8	70	4	<5	<20	4	0.15	<10	162	<10	<1	61

Et #.	Tag #	Au(ppb)	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	L0+60E- 0+60 N	<5	<.2	1.33	<5	10	<5	0.06	<1	4	32	9	1.14	<10	0.18	41	<1	<.01	5	280	10	<5	<20	2	0.09	<10	78	<10	2	27
62	L0+60E- 0+70 N	<5	<.2	0.13	<5	20	<5	0.34	<1	<1	3	7	0.15	<10	0.12	70	<1	0.05	3	400	10	5	<20	23	<.01	<10	5	<10	<1	135
63	L0+60E- 0+80 N	<5	<.2	1.71	<5	20	10	0.15	<1	5	38	15	2.08	<10	0.27	74	<1	0.03	8	330	12	<5	<20	11	0.09	<10	138	<10	1	54
64	L0+60E- 1+00 N	<5	<.2	0.89	<5	15	<5	0.11	<1	1	17	25	0.60	<10	0.06	27	<1	0.02	4	510	10	<5	<20	5	0.02	<10	25	<10	1	80
65	L0+60E- 0+10 S	<5	<.2	1.16	<5	25	10	0.13	<1	5	19	18	3.83	<10	0.12	102	1	0.01	4	340	16	<5	<20	6	0.09	<10	122	<10	<1	48
66	L0+60E- 0+20 S	<5	<.2	1.10	<5	15	<5	0.09	<1	4	19	10	1.31	<10	0.16	46	<1	<.01	5	240	30	<5	<20	5	0.08	<10	44	<10	<1	26
67	L0+60E- 0+30 S	<5	<.2	1.04	<5	15	5	0.08	<1	3	19	11	1.22	<10	0.15	39	<1	<.01	5	230	30	<5	<20	5	0.07	<10	39	<10	<1	26
68	L0+60E- 0+40 S	<5	<.2	2.62	<5	30	20	0.07	1	8	41	11	5.90	<10	0.07	54	<1	<.01	4	80	18	<5	<20	5	0.19	<10	159	<10	<1	24
69	L0+60E- 0+50 S	<5	<.2	0.51	<5	20	5	0.04	<1	2	8	12	1.22	<10	0.15	49	<1	<.01	1	120	30	<5	<20	9	0.07	<10	63	<10	<1	22
70	L0+60E- 0+60 S	<5	<.2	4.30	10	20	<5	0.19	<1	5	27	25	0.83	<10	0.17	55	<1	0.02	7	590	104	10	<20	10	0.07	<10	33	<10	5	43
71	L0+60E- 0+70 S	85	3.4	3.86	<5	60	20	0.14	2	218	53	40	14.10	<10	0.01	>10000	11	<.01	6	460	3604	<5	<20	4	0.13	<10	213	<10	<1	104
72	L0+60E- 0+80 S	370	<.2	3.82	<5	25	10	0.13	<1	7	53	20	4.08	<10	0.17	76	<1	0.02	12	230	98	<5	<20	9	0.15	<10	108	<10	<1	33
73	L0+60E- 0+90 S	255	0.4	3.77	15	25	10	0.18	<1	6	39	25	3.29	<10	0.09	48	<1	0.02	5	260	108	<5	<20	8	0.13	<10	85	<10	<1	52
74	L0+60E- 1+00 S	<5	<.2	2.28	<5	40	20	0.16	<1	44	45	13	6.33	<10	0.18	1930	<1	0.01	7	170	24	<5	<20	6	0.27	<10	135	<10	<1	41
75	L0+80E- 1+10 N	<5	<.2	2.27	<5	35	15	0.16	<1	44	45	13	6.32	<10	0.18	1971	<1	0.01	7	160	22	<5	<20	6	0.27	<10	134	<10	<1	40
76	L0+80E- 0+50 N	<5	<.2	2.00	<5	70	20	0.11	<1	26	34	12	6.68	<10	0.11	735	5	<.01	7	70	12	<5	<20	10	0.29	<10	202	<10	<1	59
77	L0+80E- 0+70 N	<5	<.2	0.50	<5	10	<5	0.13	<1	3	35	10	0.47	<10	0.20	61	<1	<.01	10	250	8	5	<20	5	0.05	<10	26	<10	<1	31
78	L0+80E- 0+80 N	<5	<.2	1.23	<5	15	5	0.13	<1	5	40	13	0.70	<10	0.27	61	<1	<.01	7	210	12	<5	<20	6	0.14	<10	48	<10	3	21
79	L0+80E- 0+90 N	<5	<.2	2.56	<5	10	5	0.09	<1	5	42	6	1.58	<10	0.07	37	<1	0.01	3	170	16	<5	<20	6	0.16	<10	110	<10	3	12
80	L0+80E- 0+00 S	<5	<.2	0.26	<5	10	<5	0.09	<1	3	17	5	1.09	<10	0.03	39	<1	0.02	3	50	12	<5	<20	8	0.07	<10	104	<10	<1	26
81	L0+80E- 0+20 S	<5	<.2	0.57	<5	15	5	0.08	<1	6	15	3	1.07	<10	0.16	56	<1	<.01	5	100	14	<5	<20	4	0.24	<10	76	<10	2	26
82	L0+80E- 0+30 S	5	<.2	1.64	<5	25	10	0.13	<1	5	21	8	3.22	<10	0.14	80	<1	0.01	3	170	30	<5	<20	7	0.12	<10	122	<10	<1	27
83	L0+80E- 0+40 S	<5	0.4	2.48	<5	20	10	0.08	<1	4	22	14	2.16	<10	0.20	77	<1	<.01	4	240	92	<5	<20	6	0.12	<10	97	<10	2	29
84	L0+80E- 0+50 S	<5	<.2	0.53	<5	20	10	0.07	<1	4	14	3	0.46	<10	0.12	40	<1	<.01	2	80	74	<5	<20	5	0.20	<10	50	<10	2	17
85	L0+80E- 0+60 S	135	<.2	4.69	15	20	<5	0.13	<1	5	40	30	2.65	<10	0.19	60	<1	0.01	6	380	188	<5	<20	8	0.11	<10	91	<10	3	38
86	L0+80E- 0+70 S	75	<.2	3.53	10	35	10	0.25	<1	10	42	14	3.06	<10	0.23	100	<1	0.02	15	190	62	<5	<20	9	0.17	<10	113	<10	1	68
87	L0+80E- 0+80 S	75	<.2	2.16	<5	40	25	0.18	<1	21	52	42	5.20	<10	1.11	320	<1	0.02	19	120	40	<5	<20	9	0.49	<10	200	<10	2	84
88	L0+80E- 1+00 S	<5	1.4	3.57	<5	90	35	0.30	2	216	67	23	> 15	<10	0.02	>10000	12	0.02	9	400	14	<5	<20	6	0.14	<10	188	<10	<1	55
89	L0+20W- 0+20 N	<5	<.2	1.38	<5	15	<5	0.10	<1	2	22	23	0.41	<10	0.05	35	<1	<.01	6	330	14	<5	<20	6	0.03	<10	38	<10	2	30
90	L0+20W- 0+30 N	<5	<.2	1.24	<5	10	<5	0.06	<1	1	16	15	0.64	<10	0.03	21	<1	0.02	3	550	10	<5	<20	5	0.01	<10	55	<10	2	90
91	L0+20W- 0+40 N	<5	<.2	1.41	<5	10	<5	0.04	<1	1	27	15	0.45	<10	0.04	13	<1	<.01	3	370	10	<5	<20	4	0.03	<10	33	<10	1	50
92	L0+20W- 0+50 N	<5	<.2	2.06	<5	20	<5	0.10	<1	3	59	30	1.99	<10	0.14	32	<1	<.01	6	380	10	<5	<20	6	0.04	<10	79	<10	<1	30
93	L0+20W- 0+60 N	<5	<.2	0.80	<5	10	10	0.09	<1	6	25	5	0.57	<10	0.30	57	<1	<.01	8	80	10	<5	<20	4	0.17	<10	50	<10	3	17
94	L0+20W- 0+70 N	<5	<.2	0.54	<5	15	10	0.08	<1	3	15	6	1.43	<10	0.09	36	<1	0.02	3	300	8	<5	<20	6	0.07	<10	30	<10	<1	40
95	L0+20W- 0+80 N	<5	<.2	1.49	<5	10	<5	0.11	<1	1	26	23	0.23	<10	0.03	16	<1	0.02	3	330	10	<5	<20	6	0.02	<10	31	<10	1	37

Et #.	Tag #	Au(ppb)	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	L0+20W- 0+90 N	<5	<.2	0.95	<5	10	<5	0.06	<1	2	15	7	0.23	<10	0.06	18	<1	<.01	3	200	8	<5	<20	4	0.06	<10	20	<10	1	21
97	L0+20W- 1+00 N	<5	<.2	3.23	<5	25	15	0.08	<1	7	43	7	4.37	<10	0.09	51	<1	0.01	5	140	16	<5	<20	6	0.15	<10	149	<10	<1	20
98	L0+20W- 0+10 S	<5	<.2	1.36	<5	15	<5	0.09	<1	2	21	22	0.41	<10	0.05	24	<1	<.01	6	310	14	<5	<20	6	0.02	<10	38	<10	2	29
99	L0+20W- 0+20 S	<5	0.6	0.23	<5	35	<5	0.68	1	1	2	6	0.88	<10	0.04	50	4	0.02	3	310	34	<5	<20	30	0.02	<10	38	<10	<1	108
100	L0+20W- 0+30 S	<5	<.2	2.53	<5	20	15	0.08	<1	6	33	14	3.10	<10	0.08	31	<1	<.01	4	150	26	<5	<20	4	0.18	<10	148	<10	4	44
101	L0+20W- 0+60 S	<5	<.2	3.89	5	40	15	0.03	<1	8	41	25	8.02	<10	0.13	71	6	<.01	6	140	22	<5	<20	3	0.07	<10	181	<10	<1	34
102	L0+20W- 0+70 S	<5	<.2	5.39	15	50	10	0.04	<1	8	40	29	5.19	<10	0.39	127	4	<.01	6	270	26	<5	<20	5	0.07	<10	110	<10	<1	61
103	L0+20W- 0+80 S	5	<.2	3.99	40	35	10	0.38	<1	12	29	22	3.27	<10	0.29	207	3	0.02	22	1070	120	<5	<20	13	0.10	<10	79	<10	6	207
104	L0+20W- 0+90 S	65	<.2	3.64	10	25	10	0.07	<1	9	34	29	3.30	<10	0.18	105	6	<.01	13	330	50	<5	<20	4	0.13	<10	126	<10	5	96
105	L0+20W- 1+00 S	<5	<.2	1.22	10	40	20	0.05	<1	15	41	23	8.43	<10	0.07	85	2	<.01	12	30	12	<5	<20	2	0.35	<10	271	<10	<1	58
106	L0+40W- 0+00 BL	235	<.2	4.88	<5	35	5	0.19	<1	12	44	31	5.24	<10	0.37	128	2	0.02	20	460	90	<5	<20	12	0.16	<10	134	<10	4	247
107	L0+40W- 0+10 N	445	<.2	5.57	30	55	15	0.03	<1	7	44	27	7.30	<10	0.16	64	17	<.01	10	280	54	<5	<20	3	0.10	<10	180	<10	<1	161
108	L0+40W- 0+20 N	65	<.2	0.44	<5	10	<5	0.02	<1	<1	3	1	0.26	<10	0.02	12	4	<.01	<1	40	8	<5	<20	1	0.03	<10	20	<10	<1	19
109	L0+40W- 0+30 N	<5	<.2	2.55	20	20	<5	0.05	<1	3	24	13	0.79	<10	0.16	36	4	<.01	4	190	32	<5	<20	5	0.08	<10	73	<10	4	50
110	L0+40W- 0+40 N	<5	<.2	0.84	<5	15	<5	0.09	<1	1	14	8	0.58	<10	0.02	18	<1	0.02	3	460	10	<5	<20	8	0.04	<10	29	<10	2	59
111	L0+40W- 0+50 N	<5	<.2	1.17	<5	10	10	0.07	<1	4	60	10	0.27	<10	0.14	34	<1	<.01	4	110	12	<5	<20	6	0.20	<10	45	<10	3	20
112	L0+40W- 0+60 N	<5	<.2	1.55	<5	15	<5	0.12	<1	1	33	19	0.66	<10	0.03	21	<1	0.02	4	510	10	<5	<20	8	0.01	<10	37	<10	1	89
113	L0+40W- 0+80 N	<5	<.2	0.48	<5	10	5	0.06	<1	3	17	4	0.48	<10	0.15	33	<1	<.01	3	110	8	<5	<20	3	0.08	<10	24	<10	1	18
114	L0+40W- 0+90 N	<5	<.2	1.15	<5	30	10	0.09	<1	8	22	7	2.06	<10	0.36	197	<1	<.01	5	140	10	<5	<20	5	0.19	<10	84	<10	2	39
115	L0+40W- 1+00 N	<5	<.2	1.70	<5	15	5	0.09	<1	3	27	12	0.52	<10	0.13	44	<1	0.02	5	230	12	<5	<20	6	0.07	<10	31	<10	2	37
116	L0+40W- 0+10 S	<5	<.2	3.45	<5	45	15	0.09	<1	10	39	17	7.65	<10	0.09	44	6	<.01	7	110	64	<5	<20	6	0.28	<10	315	<10	<1	103
117	L0+40W- 0+20 S	<5	<.2	6.21	20	60	10	0.12	<1	10	41	37	4.28	<10	0.28	123	2	0.01	24	350	44	<5	<20	12	0.18	<10	137	<10	8	143
118	L0+40W- 0+30 S	<5	<.2	3.37	<5	40	20	0.09	<1	9	52	19	6.20	<10	0.20	104	<1	0.01	9	140	30	<5	<20	5	0.19	<10	195	<10	<1	50
119	L0+40W- 0+40 S	<5	<.2	5.94	10	30	15	0.12	<1	8	48	22	3.99	<10	0.13	66	<1	0.01	7	250	34	<5	<20	9	0.18	<10	135	<10	4	37
120	L0+40W- 0+50 S	<5	<.2	4.23	<5	30	15	0.10	<1	8	38	14	4.63	<10	0.11	63	<1	0.02	5	190	26	<5	<20	7	0.19	<10	160	<10	1	35
121	L0+40W- 0+70 S	<5	<.2	0.86	25	35	20	0.12	1	11	42	14	6.05	<10	0.06	71	4	<.01	8	50	30	<5	<20	5	0.28	<10	249	<10	<1	46
122	L0+40W- 0+80 S	<5	<.2	1.57	<5	25	10	0.08	<1	6	28	11	4.14	<10	0.08	39	<1	<.01	4	80	34	<5	<20	5	0.12	<10	178	<10	<1	44
123	L0+40W- 0+90 S	<5	0.6	4.52	20	35	5	0.10	<1	13	44	25	4.70	<10	0.09	395	2	0.01	17	310	38	<5	<20	6	0.11	<10	141	<10	12	75
124	L0+40W- 1+00 S	>1000	4.4	1.52	35	35	15	0.09	<1	9	20	18	2.82	<10	0.26	69	<1	<.01	8	80	166	<5	<20	6	0.32	<10	150	<10	4	90
125	0T+60W- 0+00 BL	<5	<.2	0.37	10	35	5	0.02	<1	3	6	6	1.64	<10	0.07	38	16	<.01	4	30	10	<5	<20	4	0.08	<10	212	<10	<1	47
126	0T+60W- 0+10 N	105	0.2	0.10	5	15	<5	0.04	<1	<1	1	2	0.47	<10	<.01	21	5	<.01	2	80	6	<5	<20	2	<.01	<10	24	<10	<1	27
127	0T+60W- 0+20 N	<5	<.2	0.09	<5	10	<5	0.02	<1	<1	2	<1	0.11	<10	<.01	20	2	<.01	<1	130	2	<5	<20	1	0.01	<10	7	<10	<1	18
128	L0+60W- 0+30 N	<5	<.2	0.25	5	20	10	0.02	<1	4	4	10	2.98	<10	0.01	86	22	<.01	8	100	2	<5	<20	3	0.06	<10	175	<10	<1	79
129	L0+60W- 0+50 N	<5	<.2	1.39	<5	15	15	0.08	<1	7	39	3	1.17	<10	0.11	34	<1	<.01	3	30	16	<5	<20	4	0.35	<10	163	<10	3	18
130	L0+60W- 0+60 N	<5	<.2	1.45	5	10	<5	0.08	<1	4	23	7	0.47	<10	0.19	49	<1	<.01	5	210	12	<5	<20	4	0.08	<10	33	<10	2	24

Et #.	Tag #	Au(ppb)	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	L0+60W- 0+70 N	<5	<2	0.72	<5	15	10	0.21	<1	7	28	5	0.90	<10	0.34	85	<1	<.01	7	150	12	<5	<20	12	0.19	<10	57	<10	3	36
132	L0+60W- 1+00 N	<5	<2	0.33	<5	5	5	0.07	<1	3	8	3	0.28	<10	0.09	30	<1	<.01	2	80	6	<5	<20	3	0.08	<10	23	<10	2	13
133	L0+60W- 0+10 S	<5	<2	3.60	20	70	20	0.08	1	11	46	18	8.07	<10	0.26	97	9	<.01	16	130	56	<5	<20	5	0.27	<10	267	<10	<1	302
134	L0+60W- 0+20 S	<5	<2	1.27	<5	25	5	0.11	<1	5	18	7	1.99	<10	0.10	44	<1	<.01	4	110	36	<5	<20	8	0.14	<10	111	<10	1	39
135	L0+60W- 0+30 S	<5	<2	2.30	5	50	<5	0.11	<1	7	27	12	2.77	<10	0.37	129	2	<.01	7	270	38	<5	<20	18	0.13	<10	115	<10	4	92
136	L0+60W- 0+40 S	<5	<2	5.50	10	35	20	0.15	<1	10	51	18	5.84	<10	0.15	86	<1	0.01	5	280	48	<5	<20	5	0.22	<10	142	<10	1	74
137	L0+60W- 0+50 S	<5	<2	2.27	<5	35	25	0.10	<1	11	48	13	6.48	<10	0.10	66	<1	0.01	6	90	20	<5	<20	7	0.27	<10	220	<10	<1	24
138	L0+60W- 0+60 S	<5	<2	4.24	10	25	5	0.16	<1	7	33	20	2.81	<10	0.15	58	<1	0.02	6	230	26	<5	<20	11	0.14	<10	103	<10	3	36
139	L0+60W- 0+80 S	<5	<2	2.81	5	30	5	0.16	<1	11	38	19	2.31	<10	0.28	98	<1	0.02	10	340	28	<5	<20	13	0.11	<10	162	<10	1	57
140	L0+60W- 0+90 S	<5	0.4	5.57	20	35	<5	0.21	1	20	39	50	3.26	<10	0.32	597	2	0.02	32	720	76	<5	<20	10	0.10	<10	80	<10	15	199
141	L0+60W- 0+00 S	<5	<2	3.67	<5	60	25	0.27	1	20	54	20	7.91	<10	0.32	247	<1	0.01	11	250	54	<5	<20	7	0.32	<10	203	<10	6	63
142	L0+80W- 0+00 BL	<5	<2	0.56	<5	20	<5	0.04	<1	2	7	2	1.41	<10	0.01	16	5	<.01	<1	30	14	<5	<20	<1	0.08	<10	180	<10	2	15
143	L0+80W- 0+10 N	<5	<2	0.20	<5	10	<5	0.04	<1	1	3	2	0.39	<10	0.08	24	8	<.01	<1	130	10	<5	<20	3	0.05	<10	42	<10	2	22
144	L0+80W- 0+20 N	<5	<2	0.28	<5	<5	<5	0.02	<1	1	4	<1	0.16	<10	<.01	41	<1	<.01	<1	20	8	<5	<20	3	0.05	<10	36	<10	2	7
145	L0+80W- 0+30 N	5	<2	0.26	<5	5	10	0.06	<1	4	11	2	0.21	<10	0.01	20	<1	<.01	<1	90	118	5	<20	2	0.21	<10	25	<10	6	9
146	L0+80W- 0+40 N	<5	<2	0.20	<5	10	15	0.04	<1	4	12	2	0.14	<10	<.01	17	<1	<.01	<1	40	12	5	<20	3	0.25	<10	32	<10	7	6
147	L0+80W- 0+50 N	<5	<2	5.35	20	15	5	0.11	<1	5	52	21	0.88	<10	0.15	41	<1	0.01	8	370	34	<5	<20	5	0.15	<10	110	<10	7	26
148	L0+80W- 0+60 N	<5	<2	3.17	<5	35	15	0.13	<1	7	53	14	5.44	<10	0.08	26	<1	<.01	4	170	20	<5	<20	6	0.17	<10	375	<10	4	20
149	L0+80W- 0+70 N	<5	<2	0.36	<5	10	10	0.08	<1	6	18	3	0.28	<10	0.04	21	<1	<.01	2	50	12	<5	<20	6	0.29	<10	37	<10	8	7
150	L0+80W- 0+80 N	<5	<2	0.27	<5	<5	15	0.10	<1	6	12	2	0.48	<10	0.11	52	<1	<.01	3	20	10	<5	<20	3	0.24	<10	103	<10	7	8
151	L0+80W- 0+90 N	<5	<2	0.26	<5	10	15	0.09	<1	6	26	3	0.21	<10	0.07	27	<1	<.01	2	40	12	<5	<20	7	0.30	<10	46	<10	8	9
152	L0+80W- 1+00 N	<5	<2	2.18	<5	15	10	0.09	<1	6	23	9	1.57	<10	0.19	57	<1	0.01	3	170	14	<5	<20	4	0.15	<10	83	<10	2	23
153	L0+80W- 0+10 S	<5	<2	0.82	<5	20	10	0.03	<1	4	13	4	1.53	<10	0.06	23	3	<.01	1	10	16	<5	<20	<1	0.19	<10	161	<10	2	22
154	L0+80W- 0+20 S	<5	<2	7.43	20	65	15	0.07	<1	11	71	28	6.05	<10	0.27	110	5	<.01	14	340	46	<5	<20	5	0.22	<10	167	<10	6	162
155	L0+80W- 0+30 S	<5	<2	7.71	25	30	5	0.22	<1	5	39	19	1.82	<10	0.12	52	<1	0.04	9	820	48	<5	<20	11	0.07	<10	94	<10	8	39
156	L0+80W- 0+40 S	<5	0.4	0.98	<5	15	10	0.13	<1	4	13	5	1.48	<10	0.14	166	<1	0.01	2	180	8	<5	<20	9	0.07	<10	60	<10	<1	23
157	L0+80W- 0+50 S	<5	<2	5.49	10	25	15	0.14	<1	7	42	16	2.41	<10	0.17	65	<1	0.02	7	460	34	<5	<20	11	0.17	<10	101	<10	5	33
158	L0+80W- 0+60 S	<5	<2	0.86	<5	10	5	0.12	<1	3	10	4	0.47	<10	0.10	40	<1	0.01	2	170	10	<5	<20	8	0.09	<10	27	<10	2	16
159	L0+80W- 0+70 S	<5	<2	7.66	15	20	15	0.10	<1	7	57	13	4.10	<10	0.08	47	<1	0.02	6	290	40	<5	<20	5	0.14	<10	123	<10	3	23
160	L0+80W- 0+80 S	<5	<2	1.66	5	25	<5	0.22	<1	8	24	15	1.75	<10	0.30	120	<1	0.02	8	480	28	<5	<20	10	0.09	<10	93	<10	2	52
161	L0+80W- 0+90 S	140	0.6	2.03	10	50	<5	0.27	2	19	32	69	4.59	<10	0.40	636	4	0.02	15	490	196	<5	<20	18	0.09	<10	130	<10	<1	125
162	L0+80W- 1+00 S	<5	<2	3.72	<5	50	25	0.23	1	77	63	18	8.80	<10	0.32	760	<1	0.02	12	350	50	<5	<20	8	0.20	<10	209	<10	<1	51
163	L1+00W- 0+00 BL	<5	<2	0.60	<5	30	10	0.11	<1	5	15	4	0.49	<10	0.17	43	<1	<.01	2	120	48	<5	<20	7	0.22	<10	59	<10	3	26
164	L1+00W- 0+10 N	<5	<2	0.18	<5	35	5	0.05	<1	1	6	2	0.12	<10	0.04	16	1	<.01	<1	80	24	<5	<20	5	0.07	<10	12	<10	1	16
165	L1+00W- 0+30 N	<5	<2	0.21	<5	35	<5	0.05	<1	1	6	2	0.16	<10	0.05	17	2	<.01	<1	80	22	<5	<20	5	0.07	<10	13	<10	1	16

Et #.	Tag #	Au(ppb)	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	L1+00W- 0+40 N	<5	<.2	2.39	<5	30	<5	0.13	<1	7	34	26	2.82	<10	0.30	83	<1	0.03	7	270	16	<5	<20	6	0.13	<10	90	<10	3	44
167	L1+00W- 0+50 N	<5	<.2	1.52	<5	20	15	0.18	<1	15	45	10	2.04	<10	0.90	152	<1	0.01	22	110	14	10	<20	3	0.28	<10	73	<10	3	31
168	L1+00W- 0+60 N	<5	<.2	4.50	<5	35	30	0.10	<1	10	75	19	6.39	<10	0.07	33	<1	0.01	5	110	26	<5	<20	5	0.38	<10	242	<10	3	28
169	L1+00W- 0+70 N	<5	<.2	0.82	<5	20	25	0.15	<1	12	33	5	3.19	<10	0.33	78	<1	0.01	7	<10	18	<5	<20	2	0.46	<10	247	<10	4	19
170	L1+00W- 0+80 N	<5	<.2	0.21	<5	<5	5	0.06	<1	4	15	1	0.28	<10	0.13	44	<1	<.01	3	30	6	<5	<20	2	0.16	<10	40	<10	2	14
171	L1+00W- 0+90 N	<5	<.2	0.22	<5	5	10	0.11	<1	5	24	2	0.44	<10	0.06	33	<1	<.01	2	30	10	<5	<20	4	0.27	<10	91	<10	3	14
172	L1+00W- 1+00 N	<5	<.2	0.20	<5	20	15	0.04	<1	6	4	4	2.34	<10	0.03	59	<1	<.01	1	20	6	<5	<20	4	0.23	<10	83	<10	1	24
173	L1+00W- 0+10 S	<5	<.2	2.66	<5	70	35	0.13	<1	14	49	17	6.84	<10	0.42	109	<1	<.01	11	120	44	<5	<20	8	0.44	<10	274	<10	2	98
174	L1+00W- 0+20 S	<5	<.2	3.77	<5	30	20	0.09	<1	10	52	11	5.82	<10	0.08	41	<1	0.01	4	150	26	<5	<20	4	0.32	<10	226	<10	<1	36
175	L1+00W- 0+30 S	<5	<.2	0.76	<5	15	<5	0.09	<1	2	14	5	0.45	<10	0.05	24	<1	<.01	2	230	16	<5	<20	7	0.10	<10	35	<10	2	39
176	L1+00W- 0+40 S	<5	<.2	0.42	<5	10	5	0.06	<1	3	8	2	0.37	<10	0.08	41	<1	<.01	<1	80	10	5	<20	4	0.14	<10	28	<10	4	17
177	L1+00W- 0+50 S	<5	<.2	0.48	<5	20	5	0.10	<1	3	9	2	0.41	<10	0.14	64	<1	<.01	1	130	14	<5	<20	8	0.14	<10	29	<10	4	22
178	L1+00W- 0+60 S	<5	<.2	1.58	<5	30	15	0.09	<1	8	40	6	4.01	<10	0.05	39	<1	<.01	4	70	18	<5	<20	5	0.26	<10	211	<10	5	22
179	L1+00W- 0+90 S	<5	<.2	5.04	<5	30	20	0.09	<1	7	42	9	4.75	<10	0.05	29	<1	0.02	4	350	32	<5	20	5	0.16	<10	135	<10	4	22
180	L1+00W- 1+00 S	<5	<.2	2.52	<5	35	20	0.10	<1	8	37	9	4.56	<10	0.09	46	<1	0.01	4	130	18	<5	20	7	0.20	10	172	<10	3	28
181	L0+60E- 0+90 N	<5	<.2	2.96	<5	15	10	0.11	<1	5	40	13	0.89	<10	0.17	46	<1	0.01	5	250	22	<5	<20	7	0.15	<10	66	<10	7	28
182	L1+00E- 0+00	<5	<.2	3.40	10	15	<5	0.18	<1	6	29	10	1.06	<10	0.18	68	<1	0.02	6	580	24	5	<20	8	0.10	<10	42	<10	5	36
183	L1+00E- 0+10 N	<5	<.2	3.60	5	20	5	0.27	<1	5	29	12	1.51	<10	0.14	62	2	0.03	11	820	24	<5	<20	12	0.07	<10	62	<10	6	50
184	L1+00E- 0+20 N	<5	<.2	3.40	<5	40	15	0.13	<1	21	34	12	5.00	<10	0.14	846	8	0.01	6	320	24	<5	<20	9	0.17	<10	170	<10	3	65
185	L1+00E- 0+30 N	<5	<.2	5.46	10	30	10	0.25	<1	17	40	23	3.27	<10	0.24	557	3	0.03	12	810	34	<5	<20	13	0.11	<10	103	<10	6	74
186	L1+00E- 0+40 N	5	<.2	2.60	<5	25	15	0.13	<1	14	33	12	3.54	<10	0.17	317	<1	0.01	7	240	20	<5	<20	5	0.17	<10	114	<10	5	41
187	L1+00E- 0+50 N	80	<.2	5.15	<5	45	25	0.09	1	21	182	54	5.98	<10	1.31	320	<1	<.01	42	280	28	5	<20	4	0.39	<10	137	<10	15	63
188	L1+00E- 0+60 N	<5	<.2	0.27	<5	5	<5	0.09	<1	2	17	3	0.34	<10	0.05	24	<1	<.01	2	160	4	<5	<20	5	0.07	<10	29	<10	2	11
189	L1+00E- 0+10 S	<5	<.2	1.52	<5	15	<5	0.16	<1	6	24	8	1.13	<10	0.23	76	<1	0.01	7	260	15	<5	<20	7	0.13	<10	53	<10	5	22
190	L1+00E- 0+20 S	<5	<.2	3.14	5	20	15	0.12	<1	7	34	17	2.57	<10	0.18	58	<1	0.01	5	190	28	<5	<20	5	0.21	<10	107	<10	8	23
191	L1+00E- 0+30 S	<5	<.2	1.17	<5	30	15	0.17	<1	5	22	5	4.27	<10	0.18	132	2	0.01	5	210	16	<5	<20	9	0.08	<10	91	<10	<1	23
192	L1+00E- 0+40 S	5	<.2	0.51	<5	25	10	0.09	<1	4	12	3	0.69	<10	0.08	33	<1	<.01	<1	120	44	<5	<20	6	0.16	<10	68	<10	4	22
193	L1+00E- 0+50 S	<5	<.2	0.18	<5	15	<5	0.06	<1	1	4	2	0.19	<10	0.03	20	<1	<.01	<1	100	12	<5	<20	5	0.04	<10	14	<10	1	18
194	L1+00E- 0+70 S	30	<.2	1.52	<5	55	15	0.27	<1	8	35	18	2.38	<10	0.41	137	<1	<.01	7	280	306	5	<20	7	0.23	<10	96	<10	9	93
195	L1+00E- 0+80 S	<5	<.2	0.61	<5	15	25	0.33	<1	11	34	7	1.18	<10	0.39	113	<1	0.02	11	80	28	10	<20	7	0.53	<10	151	<10	14	31
196	L1+00E- 0+90 S	5	<.2	0.50	<5	10	10	0.13	<1	5	16	4	0.39	<10	0.12	48	<1	0.01	3	160	16	<5	<20	5	0.23	<10	41	<10	7	15
197	L1+00E- 1+00 S	<5	<.2	2.19	<5	25	25	0.23	<1	11	43	11	3.41	<10	0.35	115	<1	0.02	9	180	18	<5	<20	6	0.32	<10	138	<10	9	29
198	L2+00E- 0+00	<5	<.2	3.52	20	25	10	0.13	<1	9	32	54	1.89	<10	0.13	48	4	0.01	11	470	28	<5	20	14	0.17	<10	109	<10	11	68
199	L2+00E- 0+10 N	5	<.2	3.16	10	40	15	0.15	<1	7	41	15	2.68	<10	0.47	107	<1	0.01	9	300	20	10	<20	8	0.17	<10	117	<10	7	77
200	L2+00E- 0+20 N	5	<.2	1.74	40	55	10	0.13	<1	27	26	13	6.02	<10	0.30	1389	7	0.05	8	390	14	<5	<20	5	0.08	<10	165	<10	<1	60

Et #.	Tag #	Au(ppb)	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
201	L2+00E- 0+30 N	<5	<.2	1.10	<5	15	5	0.10	<1	4	23	12	1.01	<10	0.06	52	<1	<.01	3	140	10	<5	<20	7	0.14	<10	81	<10	5	19
202	L2+00E- 0+60 N	<5	<.2	5.36	<5	45	25	0.14	<1	17	163	43	5.62	<10	0.75	209	<1	0.01	29	250	28	<5	60	6	0.35	<10	119	<10	9	36
203	L2+00E- 0+70 N	<5	<.2	4.72	15	20	10	0.28	<1	6	45	23	1.49	<10	0.18	63	<1	0.02	7	830	30	<5	20	11	0.10	<10	87	<10	9	26
204	L2+00E- 0+80 N	<5	<.2	0.82	<5	15	10	0.14	<1	5	20	5	1.13	<10	0.19	59	<1	0.01	4	210	14	<5	<20	7	0.14	<10	51	<10	4	18
205	L2+00E- 0+90 N	<5	<.2	1.16	<5	25	15	0.11	<1	6	21	10	2.11	<10	0.13	60	<1	0.03	4	200	14	<5	<20	6	0.15	<10	128	<10	3	20
206	L2+00E- 1+00 N	<5	<.2	4.12	5	25	15	0.16	<1	6	45	21	3.13	<10	0.14	52	<1	0.02	6	480	24	<5	<20	7	0.12	10	122	<10	4	20
207	L2+00E- 0+10 S	<5	<.2	0.57	<5	10	5	0.08	<1	3	13	4	0.26	<10	0.06	25	3	<.01	<1	140	14	<5	<20	6	0.14	<10	32	<10	5	10
208	L2+00E- 0+20 S	<5	<.2	1.27	<5	70	30	0.10	1	8	55	4	10.90	<10	0.31	99	6	0.02	6	160	10	<5	<20	7	0.12	30	218	<10	<1	60
209	L2+00E- 0+30 S	<5	<.2	0.62	<5	15	<5	0.05	<1	2	7	6	1.29	<10	0.18	83	<1	<.01	1	200	10	<5	<20	5	0.03	<10	24	<10	<1	34
210	L2+00E- 0+40 S	<5	<.2	0.46	<5	25	10	0.27	<1	4	6	13	0.87	<10	0.20	399	<1	<.01	1	330	16	10	<20	9	0.14	<10	45	<10	3	86
211	L2+00E- 0+50 S	<5	<.2	0.33	<5	15	10	0.06	<1	4	13	2	0.67	<10	0.03	18	<1	<.01	<1	90	32	<5	<20	5	0.18	<10	29	<10	5	11
212	L2+00E- 0+60 S	<5	<.2	0.49	<5	15	20	0.40	<1	12	41	25	1.04	<10	0.27	116	<1	0.02	11	180	36	5	<20	8	0.51	<10	131	<10	13	92
213	L2+00E- 0+70 S	<5	<.2	0.73	<5	15	<5	0.14	<1	2	22	13	0.34	<10	0.13	48	<1	0.01	5	730	20	<5	<20	6	0.06	<10	23	<10	3	40
214	L2+00E- 0+80 S	<5	<.2	1.33	<5	20	15	0.20	<1	11	42	8	1.57	<10	0.56	157	<1	0.01	14	210	20	10	<20	7	0.31	<10	79	<10	10	36
215	L2+00E- 0+90 S	55	<.2	0.37	<5	10	15	0.05	<1	5	5	3	0.37	<10	0.03	31	<1	<.01	<1	60	10	<5	<20	4	0.28	<10	44	<10	8	12
216	L2+00E- 1+00 S	<5	<.2	0.28	<5	20	5	0.14	<1	3	4	14	0.69	<10	0.10	80	<1	0.02	1	350	12	<5	<20	11	0.10	<10	40	<10	3	61
217	L2+80W- 0+10 N	<5	0.2	0.25	<5	205	<5	0.81	<1	<1	2	14	0.71	<10	0.09	39	3	0.04	2	320	8	<5	<20	28	0.03	<10	16	<10	2	72
218	L2+80W- 0+20 N	<5	<.2	0.45	<5	25	<5	0.24	<1	2	8	24	0.80	<10	0.07	61	2	0.03	4	480	12	<5	<20	13	0.06	<10	30	<10	3	75
219	L2+80W- 0+30 N	<5	<.2	0.12	<5	30	<5	0.07	<1	2	6	2	0.10	<10	0.03	10	<1	<.01	<1	80	6	<5	<20	5	0.13	<10	31	<10	4	8
220	L2+80W- 0+40 N	<5	<.2	0.58	<5	10	5	0.09	<1	3	17	5	0.38	<10	0.07	24	<1	<.01	2	140	16	<5	<20	5	0.13	<10	30	<10	4	16
221	L2+80W- 0+60 N	<5	<.2	1.42	<5	45	10	0.23	<1	18	35	19	3.10	<10	1.26	141	<1	0.02	22	140	10	10	<20	3	0.24	<10	90	<10	6	41
222	L2+80W- 0+70 N	<5	0.2	0.07	<5	10	<5	0.74	<1	<1	2	7	0.12	<10	0.06	44	<1	0.05	2	350	8	<5	<20	12	<.01	<10	4	<10	<1	79
223	L2+80W- 0+80 N	<5	<.2	0.92	<5	25	10	0.10	<1	5	26	8	3.70	<10	0.09	33	<1	0.03	3	230	12	<5	<20	5	0.11	10	151	<10	<1	23
224	L2+80W- 0+90 N	<5	<.2	0.60	<5	15	10	0.22	<1	9	133	6	1.27	<10	0.53	104	<1	0.02	18	110	6	5	<20	5	0.15	<10	53	<10	4	31
225	L2+80W- 1+00 N	<5	<.2	0.40	<5	10	<5	0.12	<1	3	14	22	0.62	<10	0.05	26	<1	0.01	2	610	14	<5	<20	6	0.10	<10	37	<10	2	52
226	L2+80W- 0+10 S	5	<.2	2.81	<5	30	10	0.28	<1	8	32	29	3.23	<10	0.18	75	2	0.05	10	180	26	<5	<20	17	0.21	<10	146	<10	14	52
227	L2+80W- 0+30 S	<5	<.2	2.01	<5	95	45	0.09	2	25	36	19	14.90	<10	1.75	199	<1	0.02	20	90	12	<5	<20	4	0.35	30	620	<10	<1	54
228	L2+80W- 0+40 S	<5	<.2	1.69	<5	10	<5	0.12	<1	4	33	6	0.79	<10	0.16	61	<1	0.02	6	180	14	<5	<20	6	0.11	<10	44	<10	4	22
229	L2+80W- 0+50 S	<5	<.2	0.62	35	20	15	0.06	<1	5	7	3	0.59	<10	0.07	40	<1	<.01	<1	30	40	<5	<20	5	0.29	<10	91	<10	7	11
230	L2+80W- 0+60 S	<5	<.2	4.39	10	25	<5	0.19	<1	4	33	26	1.44	<10	0.11	51	<1	0.02	5	820	26	<5	40	10	0.07	<10	104	<10	6	25
231	L2+80W- 0+80 S	<5	<.2	3.53	5	15	10	0.10	<1	5	41	8	2.50	<10	0.07	39	<1	0.01	3	210	24	<5	40	6	0.17	<10	138	<10	6	20
232	L2+80W- 0+90 S	<5	<.2	1.81	5	5	<5	0.08	<1	2	22	10	0.39	<10	0.09	30	<1	0.01	2	230	12	<5	<20	5	0.05	<10	27	<10	3	12
233	L2+80W- 1+00 S	<5	<.2	3.45	5	20	5	0.12	<1	5	30	10	2.15	<10	0.10	42	<1	0.02	4	350	22	<5	20	8	0.10	<10	82	<10	6	14
234	L3+00W- 0+30 N	<5	<.2	0.36	<5	10	15	0.06	<1	6	12	3	0.19	<10	0.02	13	<1	<.01	<1	80	18	5	<20	4	0.35	<10	79	<10	9	10
235	L3+00W- 0+40 N	<5	<.2	0.42	<5	10	<5	0.09	<1	4	15	4	0.33	<10	0.03	24	<1	<.01	2	250	14	<5	<20	7	0.16	<10	33	<10	5	20

Et #.	Tag #		Au(ppb)	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
236	L3+00W- 0+50	N	<5	<.2	3.39	10	25	10	0.26	<1	6	28	8	1.49	<10	0.22	116	<1	0.04	8	390	28	<5	<20	12	0.13	<10	56	<10	7	43
237	L3+00W- 0+60	N	<5	<.2	0.56	<5	10	15	0.09	<1	6	45	4	0.53	<10	0.29	66	<1	<.01	3	90	14	5	<20	4	0.31	<10	49	<10	8	21
238	L3+00W- 0+70	N	<5	<.2	4.85	15	10	10	0.08	<1	4	52	12	1.31	<10	0.08	34	<1	0.02	3	330	32	<5	40	6	0.13	<10	61	<10	6	19
239	L3+00W- 0+80	N	<5	<.2	0.76	<5	30	5	0.20	<1	5	14	16	3.72	<10	0.04	135	3	0.02	4	880	16	<5	<20	10	0.03	<10	59	<10	<1	154
240	L3+00W- 0+90	N	<5	<.2	0.70	<5	20	10	0.11	<1	5	27	8	1.85	<10	0.10	36	<1	<.01	5	280	14	<5	<20	7	0.18	<10	96	<10	4	36
241	L3+00W- 1+00	N	<5	<.2	0.50	<5	10	15	0.16	<1	8	43	4	0.45	<10	0.19	41	<1	<.01	5	70	14	5	<20	5	0.35	<10	54	<10	9	17
242	L3+20W- 0+00		<5	<.2	0.79	<5	35	10	0.09	<1	5	19	5	1.11	<10	0.20	63	3	0.02	2	160	20	<5	<20	7	0.23	<10	81	<10	6	27
243	L3+20W- 0+20	N	<5	<.2	0.18	<5	<5	5	0.05	<1	2	6	1	0.21	<10	0.02	21	<1	0.01	<1	20	6	<5	<20	2	0.13	<10	49	<10	3	7
244	L3+20W- 0+30	N	<5	<.2	0.37	<5	10	5	0.11	<1	5	24	3	0.55	<10	0.09	36	<1	0.03	2	70	12	<5	<20	5	0.19	<10	59	<10	5	15
245	L3+20W- 0+40	N	<5	<.2	1.18	<5	20	10	0.14	<1	5	28	8	1.44	<10	0.19	60	<1	0.04	7	170	32	<5	<20	8	0.13	<10	71	<10	4	30
246	L3+20W- 0+70	N	<5	<.2	0.95	<5	10	<5	0.14	<1	4	19	9	0.63	<10	0.18	53	<1	0.01	5	240	8	<5	<20	5	0.06	<10	28	<10	3	20
247	L3+20W- 0+80	N	<5	<.2	2.55	5	30	5	0.15	<1	7	36	23	0.98	<10	0.27	70	<1	0.01	8	270	18	5	<20	8	0.16	<10	69	<10	6	40
248	L3+20W- 0+90	N	<5	<.2	2.11	<5	15	10	0.13	<1	6	27	10	1.58	<10	0.19	64	<1	0.01	5	200	16	<5	<20	6	0.14	<10	58	<10	4	29
249	L3+20W- 1+00	N	<5	<.2	0.94	<5	30	<5	0.27	<1	3	18	18	2.81	<10	0.03	60	2	0.03	5	1150	14	<5	<20	11	0.01	<10	41	<10	<1	103
250	L3+20W- 0+10	S	<5	0.4	3.35	<5	145	45	0.05	4	52	22	17	> 15	<10	<.01	4947	24	<.01	1	190	20	<5	<20	5	0.02	<10	199	<10	<1	51
251	L3+20W- 0+40	S	<5	<.2	1.64	<5	15	<5	0.14	1	2	21	22	0.51	<10	0.05	86	<1	<.01	4	530	16	<5	<20	7	0.03	<10	45	<10	4	65
252	L3+20W- 0+50	S	<5	<.2	1.32	<5	20	<5	0.19	<1	2	17	30	0.25	<10	0.02	36	<1	0.02	3	720	18	<5	<20	9	0.02	<10	33	<10	3	71
253	L3+20W- 0+60	S	<5	<.2	1.94	15	15	<5	0.12	<1	3	26	11	0.81	<10	0.17	53	<1	0.01	5	270	14	<5	<20	5	0.08	<10	40	<10	4	23
254	L3+20W- 0+70	S	<5	<.2	2.37	10	15	<5	0.16	<1	3	24	10	0.51	<10	0.13	52	<1	0.01	4	600	18	<5	<20	9	0.07	<10	49	<10	5	21
255	L3+20W- 0+80	S	<5	<.2	1.30	<5	10	10	0.16	<1	4	21	7	0.61	<10	0.10	44	<1	0.01	3	150	14	<5	<20	6	0.15	<10	36	<10	6	24
256	L3+20W- 0+90	S	<5	<.2	3.11	10	20	5	0.14	<1	4	28	7	1.78	<10	0.08	45	<1	0.02	4	510	20	<5	<20	9	0.08	<10	92	<10	6	12
257	L3+20W- 1+00	S	<5	<.2	2.76	<5	15	10	0.12	<1	5	31	7	1.53	<10	0.09	47	<1	0.02	3	240	18	<5	<20	6	0.11	<10	84	<10	7	16
258	L3+40W- 0+00		20	<.2	0.89	10	25	10	0.12	<1	5	10	8	0.94	<10	0.09	65	8	0.01	5	70	24	5	<20	8	0.19	<10	63	<10	5	44
259	L3+40W- 0+10	N	<5	<.2	0.48	<5	75	5	0.08	<1	2	25	2	0.47	<10	0.13	40	<1	<.01	<1	70	8	5	<20	6	0.08	<10	43	<10	2	14
260	L3+40W- 0+20	N	<5	<.2	2.90	<5	35	20	0.12	<1	11	58	12	5.29	<10	0.09	53	<1	<.01	3	80	24	<5	<20	5	0.38	10	296	<10	5	30
261	L3+40W- 0+30	N	<5	<.2	0.43	<5	15	10	0.09	<1	7	13	3	0.85	<10	0.19	58	<1	<.01	<1	50	16	<5	<20	5	0.38	<10	118	<10	8	15
262	L3+40W- 0+40	N	<5	<.2	3.50	10	35	<5	0.24	<1	10	60	96	1.14	<10	0.42	102	<1	0.01	26	490	26	10	<20	9	0.15	<10	48	<10	12	39
263	L3+40W- 0+50	N	<5	<.2	1.22	<5	10	<5	0.10	<1	2	16	13	0.27	<10	0.11	36	<1	<.01	5	430	10	<5	<20	4	0.04	<10	22	<10	3	38
264	L3+40W- 0+60	N	<5	<.2	0.31	<5	10	10	0.08	<1	4	15	5	0.53	<10	0.04	30	<1	<.01	2	150	10	<5	<20	5	0.19	<10	61	<10	4	16
265	L3+40W- 0+70	N	<5	<.2	0.32	<5	5	10	0.19	<1	5	22	6	0.50	<10	0.06	32	<1	<.01	1	110	10	<5	<20	3	0.26	<10	77	<10	8	27
266	L3+40W- 0+80	N	<5	<.2	3.90	10	15	10	0.10	<1	5	49	9	1.50	<10	0.09	38	<1	<.01	3	170	28	<5	40	5	0.22	<10	133	<10	5	24
267	L3+40W- 0+90	N	<5	<.2	0.71	<5	20	10	0.11	<1	4	20	11	1.40	<10	0.07	32	<1	0.02	2	390	14	<5	<20	7	0.13	<10	61	<10	3	39
298	L3+40W- 1+00	N	<5	<.2	1.07	<5	20	15	0.15	<1	8	22	8	2.48	<10	0.16	71	<1	0.01	5	130	12	<5	<20	5	0.23	<10	101	<10	4	23
269	L3+40W- 0+10	S	5	<.2	1.07	<5	50	25	0.11	<1	12	19	12	5.13	<10	0.28	125	<1	<.01	2	80	28	<5	<20	7	0.54	<10	326	<10	8	41
270	L3+40W- 0+40	S	255	1.4	2.63	5	50	<5	0.38	1	12	29	87	3.25	<10	0.38	303	<1	0.03	13	530	168	<5	<20	20	0.12	<10	98	<10	5	67

Et #.	Tag #	Au(ppb)	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
271	L3+40W- 0+50 S	<5	<.2	1.10	<5	20	10	0.16	<1	8	28	9	1.97	<10	0.38	109	<1	0.01	9	130	10	<5	<20	10	0.14	<10	81	<10	3	23
272	L3+40W- 0+60 S	<5	<.2	1.41	<5	20	<5	0.31	<1	6	27	9	0.85	<10	0.27	108	<1	0.01	9	240	12	10	<20	9	0.13	<10	46	<10	4	23
273	L3+40W- 0+70 S	<5	<.2	0.39	<5	10	<5	0.18	<1	3	8	18	0.60	<10	0.14	54	<1	<.01	2	260	12	<5	<20	4	0.09	<10	39	<10	2	54
274	L3+40W- 0+80 S	<5	<.2	0.29	<5	<5	5	0.11	<1	2	11	2	0.14	<10	0.03	28	<1	<.01	1	60	10	<5	<20	3	0.13	<10	39	<10	3	11
275	L3+40W- 0+90 S	<5	<.2	0.64	<5	15	15	0.06	<1	5	25	3	2.94	<10	0.02	28	<1	<.01	<1	20	8	<5	<20	4	0.21	<10	131	<10	2	10
276	L3+40W- 1+00 S	5	<.2	0.31	<5	10	5	0.36	<1	2	7	9	0.56	<10	0.03	34	<1	0.02	1	250	8	<5	<20	10	0.10	<10	36	<10	2	47
277	L3+60W- 0+00	<5	<.2	0.55	<5	20	<5	0.10	<1	4	15	5	0.51	<10	0.12	44	<1	<.01	3	310	14	<5	<20	8	0.11	<10	35	<10	3	20
278	L3+60W- 0+10 N	<5	<.2	1.21	<5	10	5	0.11	<1	3	18	5	0.32	<10	0.09	30	<1	<.01	3	150	18	<5	<20	6	0.12	<10	25	<10	4	13
279	L3+60W- 0+20 N	<5	<.2	1.77	<5	25	20	0.04	<1	8	28	7	5.03	<10	0.01	34	<1	<.01	3	60	14	<5	<20	4	0.27	20	256	<10	2	23
280	L3+60W- 0+30 N	<5	<.2	1.72	<5	35	20	0.07	<1	10	41	7	6.13	<10	0.07	39	<1	<.01	4	10	14	<5	<20	4	0.34	20	266	<10	2	19
281	L3+60W- 0+40 N	35	<.2	5.24	30	35	25	0.11	<1	14	134	30	5.30	<10	0.51	135	<1	0.01	24	190	34	<5	<20	5	0.26	<10	139	<10	4	37
282	L3+60W- 0+50 N	<5	<.2	2.29	<5	40	30	0.23	<1	20	137	33	6.56	<10	1.08	237	<1	0.01	36	90	14	<5	<20	5	0.44	<10	184	<10	4	37
283	L3+60W- 0+70 N	<5	<.2	1.91	<5	10	5	0.08	<1	4	34	10	0.80	<10	0.08	30	<1	<.01	3	150	14	<5	<20	5	0.15	<10	60	<10	5	11
284	L3+60W- 0+80 N	<5	<.2	1.48	<5	5	<5	0.05	<1	1	35	18	0.48	<10	0.03	13	<1	<.01	2	450	12	<5	<20	4	0.04	<10	46	<10	1	32
285	L3+60W- 0+90 N	<5	<.2	0.57	<5	20	30	0.11	<1	12	30	6	3.42	<10	0.13	47	<1	<.01	5	<10	16	<5	<20	3	0.57	<10	258	<10	9	14
286	L3+60W- 1+00 N	<5	<.2	0.54	<5	10	10	0.19	<1	11	28	2	1.07	<10	0.45	87	<1	0.01	13	10	10	5	<20	6	0.30	<10	125	<10	6	12
287	L3+60W- 0+10 S	<5	<.2	1.23	<5	65	10	0.17	<1	9	17	11	1.87	<10	0.43	230	<1	0.02	4	240	16	<5	<20	16	0.15	<10	82	<10	3	41
288	L3+60W- 0+20 S	<5	<.2	0.45	<5	15	10	0.09	<1	4	7	3	0.88	<10	0.09	95	<1	<.01	2	70	12	<5	<20	5	0.14	<10	76	<10	2	16
289	L3+60W- 0+30 S	<5	<.2	0.65	<5	20	10	0.09	<1	4	13	3	1.63	<10	0.16	84	<1	<.01	2	40	10	<5	<20	6	0.14	<10	112	<10	2	18
290	L3+60W- 0+40 S	<5	<.2	2.33	<5	55	35	0.06	2	12	40	10	11.20	<10	0.03	69	2	<.01	3	100	18	<5	<20	4	0.32	20	273	<10	<1	33
291	L3+60W- 0+50 S	<5	<.2	5.17	5	55	10	0.23	<1	7	38	14	2.84	<10	0.15	63	<1	0.01	7	310	28	<5	<20	10	0.17	<10	108	<10	5	31
292	L3+60W- 0+60 S	<5	<.2	1.70	<5	25	15	0.17	<1	11	59	17	2.66	<10	0.48	158	<1	<.01	8	110	20	<5	<20	10	0.30	<10	107	<10	6	57
293	L3+60W- 0+70 S	<5	<.2	0.97	<5	20	10	0.17	<1	9	43	26	2.05	<10	0.75	101	<1	0.01	15	290	38	<5	<20	6	0.25	<10	93	<10	4	59
294	L3+60W- 0+80 S	<5	<.2	1.71	<5	20	<5	0.12	<1	5	32	9	0.71	<10	0.31	74	<1	0.01	8	190	16	<5	<20	9	0.11	<10	45	<10	3	22
295	L3+60W- 0+90 S	<5	<.2	0.58	<5	20	15	0.08	<1	8	36	4	3.86	<10	0.03	41	<1	<.01	3	20	8	<5	<20	2	0.25	<10	202	<10	3	12
296	L3+60W- 1+00 S	<5	<.2	1.25	<5	25	25	0.24	<1	18	255	2	5.05	<10	0.94	211	<1	0.02	34	20	12	<5	<20	3	0.31	<10	158	<10	4	47
297	L3+80W- 0+00	<5	<.2	5.60	25	95	20	0.06	<1	10	37	19	5.84	<10	0.14	88	15	<.01	16	240	32	<5	<20	4	0.28	<10	159	<10	5	140
298	L3+80W- 0+10 N	<5	<.2	1.89	<5	35	15	0.14	<1	11	36	12	6.23	<10	0.05	58	<1	<.01	6	100	14	<5	<20	6	0.34	20	193	<10	2	38
299	L3+80W- 0+20 N	<5	<.2	1.07	<5	25	20	0.08	<1	8	31	7	4.42	<10	0.08	40	<1	<.01	4	50	10	<5	<20	4	0.25	<10	203	<10	2	24
300	L3+80W- 0+30 N	<5	<.2	1.56	<5	20	15	0.15	<1	10	24	8	2.45	<10	0.41	100	<1	<.01	9	80	16	<5	<20	5	0.32	<10	128	<10	5	22
301	L3+80W- 0+40 N	<5	<.2	1.82	10	35	15	0.14	<1	4	25	52	5.80	<10	0.09	47	3	<.01	5	540	12	<5	<20	6	0.06	<10	196	<10	<1	47
302	L3+80W- 0+50 N	<5	<.2	0.69	<5	20	15	0.12	<1	11	28	7	2.72	<10	0.40	90	<1	<.01	9	20	10	<5	<20	3	0.38	<10	196	<10	5	19
303	L3+80W- 0+60 N	<5	<.2	1.39	<5	35	5	0.69	<1	11	36	28	2.11	<10	0.60	211	<1	0.01	16	420	12	5	<20	10	0.12	<10	62	<10	5	51
304	L3+80W- 0+70 N	<5	<.2	0.26	<5	5	5	0.13	<1	4	34	3	0.58	<10	0.15	41	<1	<.01	4	120	8	<5	<20	4	0.16	<10	47	<10	3	15
305	L3+80W- 0+80 N	<5	<.2	1.87	<5	30	20	0.12	<1	11	41	9	5.88	<10	0.12	60	<1	<.01	5	140	12	<5	<20	3	0.35	10	223	<10	2	22

Et #.	Tag #	Au(ppb)	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
306	L3+80W- 0+90 N	<5	<.2	0.66	<5	10	10	0.15	<1	9	35	4	0.79	<10	0.34	69	<1	0.01	7	140	16	10	<20	4	0.31	<10	51	<10	6	21
307	L3+80W- 1+00 N	<5	<.2	1.36	<5	30	25	0.10	<1	10	30	9	5.79	<10	0.15	46	<1	<.01	5	170	10	<5	<20	3	0.29	10	211	<10	1	23
308	L3+80W- 0+10 S	<5	<.2	3.46	35	60	30	0.07	<1	14	23	21	7.80	<10	0.04	64	25	<.01	21	130	28	<5	<20	3	0.42	20	227	<10	3	121
309	L3+80W- 0+40 S	<5	<.2	0.24	<5	10	5	0.08	<1	4	9	2	0.43	<10	0.05	33	<1	<.01	1	40	10	5	<20	5	0.20	<10	40	<10	3	11
310	L3+80W- 0+50 S	<5	<.2	4.06	10	75	10	0.30	<1	11	36	32	2.01	<10	0.24	201	<1	0.02	23	500	26	<5	<20	13	0.15	<10	60	<10	8	152
311	L3+80W- 0+60 S	105	<.2	3.45	10	125	15	0.26	2	47	180	84	8.22	<10	1.50	446	<1	0.02	81	580	32	<5	<20	10	0.22	<10	225	<10	4	208
312	L3+80W- 0+80 S	<5	<.2	0.84	<5	10	<5	0.09	<1	3	18	9	0.45	<10	0.17	49	<1	<.01	5	180	8	<5	<20	6	0.06	<10	25	<10	2	19
313	L3+80W- 0+90 S	<5	<.2	1.31	<5	30	<5	0.16	<1	9	29	11	2.11	<10	0.39	149	<1	0.01	10	250	10	<5	<20	10	0.12	<10	88	<10	2	28
314	L3+80W- 1+00 S	<5	<.2	0.58	<5	25	30	0.22	1	13	65	6	4.78	<10	0.16	76	<1	<.01	10	<10	14	<5	<20	6	0.46	10	300	<10	5	16
315	L4+00W- 0+00	<5	<.2	0.14	<5	10	10	0.02	<1	3	4	5	0.64	<10	<.01	6	6	<.01	2	50	6	<5	<20	3	0.15	<10	86	<10	3	16
316	L4+00W- 0+10 N	<5	<.2	0.25	<5	15	<5	0.03	<1	<1	<1	2	0.26	<10	0.03	35	<1	<.01	<1	100	6	<5	<20	2	0.05	<10	8	<10	1	10
317	L4+00W- 0+20 N	<5	<.2	0.76	<5	30	20	0.07	<1	8	36	4	6.03	<10	0.03	37	<1	<.01	3	<10	8	<5	<20	4	0.26	10	295	<10	<1	15
318	L4+00W- 0+30 N	<5	<.2	5.26	<5	25	15	0.09	<1	6	63	10	4.19	<10	0.07	37	<1	0.01	4	280	28	<5	<20	5	0.15	<10	166	<10	3	20
319	L4+00W- 0+40 N	<5	<.2	3.59	<5	30	15	0.16	<1	15	79	25	2.28	<10	0.66	145	<1	0.01	19	240	22	<5	<20	6	0.31	<10	106	<10	8	38
320	L4+00W- 0+50 N	<5	<.2	4.70	<5	55	30	0.10	1	14	68	25	11.10	<10	0.08	56	<1	0.01	4	160	22	<5	<20	5	0.32	20	214	<10	<1	28
321	L4+00W- 0+60 N	<5	<.2	2.43	<5	60	40	0.09	2	14	62	20	12.70	<10	0.03	32	<1	<.01	5	<10	10	<5	<20	6	0.47	30	328	<10	<1	22
322	L4+00W- 0+70 N	<5	<.2	1.73	<5	20	20	0.16	<1	9	36	12	2.56	<10	0.43	88	<1	0.01	10	160	14	<5	<20	5	0.24	<10	118	<10	4	25
323	L4+00W- 0+80 N	<5	<.2	1.08	<5	50	30	0.13	1	11	33	9	8.88	<10	0.14	48	<1	<.01	7	80	12	<5	<20	6	0.30	20	395	<10	<1	28
324	L4+00W- 0+90 N	<5	<.2	0.49	<5	10	15	0.11	<1	7	24	4	1.20	<10	0.35	79	<1	<.01	10	50	8	<5	<20	4	0.23	<10	98	<10	3	18
325	L4+00W- 1+00 N	<5	<.2	3.95	<5	50	30	0.10	<1	12	47	19	9.30	<10	0.06	40	<1	0.01	4	240	22	<5	<20	5	0.41	30	181	<10	<1	20
326	L4+20W- 0+00	<5	<.2	0.45	<5	20	10	0.04	<1	4	7	4	1.65	<10	0.02	27	11	<.01	1	10	10	<5	<20	2	0.19	<10	163	<10	2	18
327	L4+20W- 0+10 S	<5	<.2	0.45	15	25	15	0.02	<1	6	8	8	4.37	<10	<.01	19	27	<.01	6	20	8	<5	<20	<1	0.17	<10	305	<10	<1	36
328	L4+20W- 0+20 S	<5	<.2	0.42	<5	15	<5	0.05	<1	2	3	3	0.32	<10	0.02	20	<1	<.01	<1	130	14	<5	<20	4	0.08	<10	34	<10	1	14
329	L4+20W- 0+30 S	<5	<.2	0.29	<5	5	<5	0.03	<1	<1	3	2	0.19	<10	0.03	16	<1	<.01	<1	100	8	<5	<20	5	0.04	<10	18	<10	1	4

QC/DATA:

Repeat:

Et #.	Tag #	Au(ppb)	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	L0+00- 0+40 S	<5	<.2	4.88	5	15	5	0.11	<1	6	38	18	2.91	<10	0.12	49	<1	0.01	6	500	30	<5	<20	6	0.10	<10	131	<10	4	26
10	L0+00- 0+30 N	<5	<.2	0.71	<5	15	<5	0.04	<1	1	15	16	0.82	<10	0.05	19	2	<.01	2	220	16	<5	<20	6	0.04	<10	30	<10	<1	25
19	L0+20E- 0+30 N	<5	<.2	1.17	<5	20	5	0.17	<1	4	19	11	1.02	<10	0.11	66	<1	<.01	3	100	22	<5	<20	11	0.16	<10	79	<10	2	37
28	L0+20E- 0+30 S	<5	<.2	3.59	<5	25	20	0.04	<1	10	36	21	8.09	<10	0.16	84	3	<.01	5	130	24	<5	<20	<1	0.21	<10	209	<10	<1	46
36	L0+40E- 0+10 N	<5	<.2	1.23	<5	10	<5	0.06	<1	3	23	8	0.80	<10	0.10	30	<1	<.01	3	140	10	<5	<20	5	0.08	<10	64	<10	1	11
45	L0+40E- 0+10 S	<5	<.2	0.79	<5	15	<5	0.04	<1	2	14	3	1.08	<10	0.35	90	<1	<.01	2	130	14	<5	<20	4	0.05	<10	49	<10	<1	26
54	L0+40E- 1+00 S	<5	<.2	1.31	<5	30	20	0.09	<1	9	32	12	5.99	<10	0.11	52	<1	<.01	6	90	52	<5	<20	5	0.22	<10	165	<10	<1	47
63	L0+60E- 0+80 N	<5	<.2	1.79	<5	20	<5	0.11	<1	5	38	16	2.17	<10	0.25	75	<1	0.02	9	290	14	<5	<20	7	0.08	<10	147	<10	2	51
71	L0+60E- 0+70 S	105	3.4	3.90	<5	65	25	0.14	2	217	53	42	14.10	<10	<.01	>10000	11	<.01	6	480	3626	<5	<20	6	0.13	<10	215	<10	<1	106
80	L0+80E- 0+00 S	<5	<.2	0.29	<5	10	5	0.10	<1	3	15	6	1.05	<10	0.04	36	<1	0.02	3	60	6	<5	<20	6	0.08	<10	97	<10	<1	29
89	L0+20W- 0+20 N	<5	<.2	1.29	<5	20	10	0.04	<1	5	16	7	2.96	<10	0.02	23	2	<.01	4	80	30	<5	<20	4	0.15	<10	137	<10	<1	42
106	L0+40W- 0+00 BL	-	1.0	4.79	5	35	15	0.19	<1	12	43	31	5.24	<10	0.36	128	1	0.02	20	450	90	<5	<20	11	0.15	<10	139	<10	4	244
115	L0+40W- 1+00 N	-	<.2	1.61	<5	10	<5	0.09	<1	3	27	12	0.53	<10	0.12	45	<1	<.01	4	220	12	<5	<20	4	0.06	<10	31	<10	3	33
124	L0+40W- 1+00 S	>1000	7.0	1.45	35	35	15	0.09	<1	9	18	17	2.77	<10	0.27	69	<1	<.01	9	70	164	<5	<20	5	0.31	<10	148	<10	3	81
133	L0+60W- 0+10 S	<5	<.2	3.69	5	65	30	0.06	1	11	47	18	9.09	<10	0.26	102	10	<.01	16	140	56	<5	<20	6	0.27	<10	267	<10	<1	306
141	L0+60W- 0+00 S	<5	<.2	3.54	<5	60	30	0.26	<1	20	53	19	7.60	<10	0.31	237	<1	0.01	12	240	48	<5	<20	8	0.30	<10	194	<10	5	60
150	L0+80W- 0+80 N	<5	<.2	0.44	<5	<5	10	0.11	<1	6	14	2	0.61	<10	0.12	62	<1	<.01	4	20	8	<5	<20	2	0.26	<10	112	<10	3	8
159	L0+80W- 0+70 S	<5	<.2	> 15	10	25	10	0.10	<1	7	58	14	4.26	<10	0.09	46	<1	0.02	4	270	<2	<5	<20	7	0.15	<10	127	<10	3	25
168	L0+80W- 0+60 N	<5	<.2	4.43	<5	30	20	0.11	<1	11	74	19	6.36	<10	0.08	37	<1	<.01	4	120	26	<5	<20	3	0.38	<10	242	<10	3	29
176	L0+80W- 0+40 S	<5	<.2	0.44	<5	5	5	0.06	<1	3	8	2	0.40	<10	0.07	49	<1	<.01	<1	80	8	<5	<20	4	0.12	<10	27	<10	3	16
185	L1+00E- 0+30 N	<5	<.2	5.19	10	30	10	0.23	<1	16	38	22	3.08	<10	0.23	510	3	0.02	13	750	30	<5	<20	11	0.10	<10	97	<10	6	71
194	L1+00E- 0+70 S	20	<.2	1.53	<5	55	15	0.27	<1	8	37	18	2.45	<10	0.42	132	<1	<.01	8	270	316	<5	<20	8	0.25	<10	99	<10	9	94
203	L2+00E- 0+70 N	<5	<.2	4.53	15	20	<5	0.26	<1	5	44	22	1.41	<10	0.16	60	<1	0.02	7	830	28	<5	<20	10	0.09	<10	84	<10	8	27
211	L2+00E- 0+50 S	<5	<.2	0.32	<5	15	10	0.06	<1	3	13	2	0.66	<10	0.03	17	<1	<.01	<1	80	30	<5	<20	6	0.19	<10	29	<10	5	10
220	L2+80W- 0+40 N	<5	<.2	0.61	<5	10	5	0.09	<1	3	17	5	0.41	<10	0.08	27	<1	<.01	2	140	14	<5	<20	4	0.12	<10	32	<10	4	17
229	L2+80W- 0+50 S	<5	<.2	0.64	35	20	15	0.06	<1	5	8	3	0.59	<10	0.07	44	<1	<.01	<1	40	40	<5	<20	5	0.29	<10	93	<10	7	11
238	L3+00W- 0+70 N	<5	<.2	4.97	15	15	5	0.09	<1	4	54	13	1.37	<10	0.09	37	<1	0.01	3	340	28	<5	40	7	0.14	<10	64	<10	6	19
246	L3+20W- 0+70 N	<5	<.2	1.03	<5	15	<5	0.15	<1	4	21	8	0.67	<10	0.19	56	<1	0.01	6	260	10	<5	<20	6	0.06	<10	30	<10	3	22
255	L3+20W- 0+80 S	<5	<.2	1.33	<5	15	10	0.20	<1	5	22	7	0.66	<10	0.11	51	<1	0.01	3	160	14	<5	<20	6	0.18	<10	39	<10	7	25

Et #.	Tag #	Au(ppb)	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
QC/DATA:																														
Repeat:																														
264	L3+40W- 0+60 N	<5	<.2	0.33	<5	5	10	0.09	<1	4	16	5	0.56	<10	0.05	34	<1	<.01	2	160	10	<5	<20	4	0.20	<10	65	<10	4	17
273	L3+40W- 0+70 S	<5	<.2	0.43	<5	10	5	0.19	<1	3	8	17	0.63	<10	0.14	62	<1	0.02	3	290	14	<5	<20	6	0.10	<10	43	<10	2	56
281	L3+60W- 0+40 N	50	<.2	5.23	35	35	20	0.11	<1	14	136	30	5.36	<10	0.53	139	<1	0.01	24	190	36	<5	<20	5	0.27	<10	140	<10	4	38
290	L3+60W- 0+40 S	<5	<.2	2.54	<5	60	35	0.07	1	12	41	11	11.40	<10	0.03	76	2	<.01	3	110	16	<5	<20	4	0.31	30	263	<10	<1	35
299	L3+80W- 0+20 N	<5	<.2	1.03	<5	25	20	0.09	1	8	31	7	4.23	<10	0.09	41	<1	<.01	5	60	10	<5	<20	3	0.24	<10	195	<10	2	23
308	L3+80W- 0+10 S	<5	<.2	3.42	30	60	30	0.07	1	14	23	21	7.72	<10	0.04	64	25	<.01	20	110	26	<5	<20	6	0.42	20	226	<10	1	121
316	L4+00W- 0+10 N	<5	<.2	0.25	<5	10	<5	0.03	<1	<1	<1	1	0.27	<10	0.03	33	<1	<.01	<1	110	6	<5	<20	4	0.05	<10	9	<10	<1	10
325	L4+00W- 1+00 N	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard:																														
GEO'95		150	1.0	1.62	65	155	<5	1.70	<1	17	56	76	3.98	<10	0.87	675	2	0.01	24	690	20	<5	<20	51	0.09	<10	76	<10	3	75
GEO'95		145	1.0	1.78	65	155	<5	1.86	<1	19	67	74	3.65	<10	1.01	700	<1	0.01	25	660	20	<5	<20	59	0.10	<10	80	<10	5	70
GEO'95		150	1.0	1.79	65	150	<5	1.86	<1	20	66	74	3.89	<10	1.00	700	<1	0.02	24	670	20	5	<20	58	0.09	<10	78	<10	6	71
GEO'95		150	1.0	1.82	65	155	<5	1.87	<1	17	68	75	3.76	<10	1.01	643	<1	0.02	25	660	40	5	<20	58	0.10	<10	73	<10	5	77
GEO'95		150	1.0	1.70	70	170	5	1.73	<1	18	66	81	3.93	<10	1.01	685	<1	0.02	27	710	24	<5	<20	59	0.11	<10	76	<10	6	75
GEO'95		150	1.0	1.79	65	155	<5	1.83	<1	18	57	78	3.76	<10	1.00	647	<1	0.02	24	730	22	5	<20	54	0.11	<10	72	<10	7	75
GEO'95		150	4.2	1.71	65	155	<5	1.82	<1	18	60	77	3.85	<10	1.01	657	<1	0.02	25	710	20	<5	<20	55	0.12	<10	75	<10	7	76
GEO'95		150	1.0	1.81	70	155	10	1.79	<1	18	58	76	3.82	<10	0.96	649	<1	0.02	23	700	22	<5	<20	55	0.11	<10	75	<10	6	76
GEO'95		150	1.2	1.70	70	160	<5	1.76	<1	18	60	78	3.98	<10	0.95	678	<1	0.02	22	720	22	<5	<20	58	0.12	<10	78	<10	5	78
GEO'95		-	1.2	1.82	65	155	<5	1.90	<1	18	59	77	3.85	<10	0.90	668	<1	0.02	24	730	22	<5	<20	54	0.11	<10	74	<10	6	76

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

df/1125/1133/1131/1125B
XLS/Ashworth

Appendix C

INFORMATION BULLETIN - 30 ELEMENT ICP-ES

Acme Analytical Laboratories Ltd

INTRODUCTION

ICP-ES, in analytical shorthand, stands for Inductively Coupled Plasma - Emission Spectrograph, an instrument that has revolutionized the analysis of samples for mineral exploration and mining. Unlike its predecessors that relied on absorption, titration, colourmetric change, etc. to deliver a single element determination, the ICP-ES delivers simultaneous multielement determinations. Samples dissolved in a solution or reduced to a gas, are aspirated into a "plasma" operating at 8000°K that atomizes the sample and excites electrons to higher energy levels. Light given off by the atoms as they return to their ground state, reflects off a grating the separates the light into its various spectral lines. Photomultiplier tubes (PMTs) in critical positions measure individual spectral line intensities thus giving the concentration of each element. ICP-ES has become one of the most popular analytical methods for exploration owing to the number of elements that can be determined (over 70), the wide linear range (4 to 5 orders of magnitude), sensitivity (ppm to ppb level detection limits) and stability of readings for solutions with high dissolved solids. Because the ICP-ES relies upon sample dissolution, the explorationist can be selective towards the species of the element to be determined. A weak or sequential leach can permit examination of metal transported by groundwater or bound up in iron and manganese coatings on grains. A fusion followed by acid digestion can totally dissolve the sample allowing absolute determination of the element of interest. In addition, pre-concentration or dilution of the sample solution permits expansion of the dynamic linear range of the instrument.

Acme has 8 ICP-ES units (Jarrel-Ash Atomcomp 800s and 975s) each with 15 to 40 PMTs. Individual units are devoted to specific analytical tasks such as our 30 Element ICP, Ultratrace ICP, Precious Metal ICP, Whole Rock ICP, Hydride ICP and Rare Earth ICP packages. Computers attached to ICP-ES units and connected to Acme's local area network, control analysis, capture data, correct for instrument drift and background noise and monitor analytical precision and accuracy.

30 ELEMENT ICP

Samples are sieved to -80 mesh (soils and sediments) or crushed and pulverized to -100 mesh (rocks and drill cores). Acme's in-house standard (STD-C) and duplicate samples are inserted in the sample sequence. A 0.5 gram split is weighed and digested in hot (95°C) aqua regia (3:1:2 mixture of HCl, HNO_3 and H_2O) for 1 hour. After cooling for 2 hours, the sample solution is analyzed for 30 elements by ICP-ES. Aqua regia is particularly effective in the total digestion of sulphides, carbonates and most metal oxides. Some sulphates are totally dissolved (e.g. $PbSO_4$) while others are only marginally attacked (e.g. $BaSO_4$). Silicates vary in their susceptibility; micas and ferromagnesian silicates are more readily digested compared to the tektosilicates such as feldspar and quartz. Chromite is highly resistant while magnetite is less so. Analytical results are considered partial for B, Ba, Ca, Cr, Fe, La, Mg, Mn, P, Sr, Ti and W and limited for Al, K and Na.

QUALITY ASSURANCE - QUALITY CONTROL

Acme is implementing procedures under the ISO 9002 series of standards, from the initial commitment to quality by our management and employees to statistical process control of all analytical operations.

Samples arriving at the laboratory are logged into Acme's local-area computer network and labeled for positive identification. At every stage of the analytical process, technicians inspect the work performed at the previous stage thus insuring that the quality of their work is optimized. Reference standards, duplicates and analytical blanks are inserted every 20 to 40 samples (depending on sample type and analytical package) to monitor overall accuracy and precision. Analytical results are inspected and verified at four levels by; the computer, operator, data verification technician and finally by a British Columbia Certified Assayer before they are released to the client. Anomalous samples are frequently re-analyzed to confirm their content.

Precision of the 30-Element ICP Package

			± 100%	*±50%*	*±25%*	*±15%*	*±12.5%*	*±10%*	*12.5%*
Cd	ppm	0.01	0.01 - 0.08	0.09 - 0.20	0.21 - 0.50	0.51 - 1.00	1.01 - 3.00	3.00 - 100.00	>100.00
Ag	ppm	0.3	10 - 80	81 - 200	201 - 500	501 - 1000	1001 - 3000	3000 - 20000	>20000
Cr, Co, Cu, La, Mo, Sr, V, Zn	ppm	1	1 - 2	3 - 5	6 - 10	11 - 20	21 - 50	51 - 5000	>5000
Ba	ppm	1	1 - 5	6 - 15	16 - 30	31 - 50	51 - 100	101 - 5000	>5000
Ni	ppm	1	1 - 4	5 - 10	11 - 20	21 - 40	41 - 100	101 - 5000	>5000
As, Au, Bi, Mn, Sb, Th, W	ppm	2	2 - 4	5 - 10	11 - 20	21 - 40	41 - 100	101 - 10000	>10000
Pb	ppm	3	0.3 - 0.6	0.7 - 1.5	1.6 - 6.0	6.1 - 20.0	>20.0		
B	ppm	3	3 - 20	21 - 50	51 - 100	>100			
U	ppm	5	5 - 10	11 - 20	21 - 40	41 - 50	51 - 100	100 - 1000	>1000
P	%	.001	.001 - .002	.003 - .005	.006 - .010	.011 - .020	.021 - .050	.050 - 10.000	>10.000
Al, Ca, Fe, K, Mg, Na, Ti	%	.01	.01 - .02	.03 - .05	.06 - .10	.11 - .20	.21 - .50	.51 - 20.00	>20.00

Accuracy of 30 Element ICP Standard - STD-C*

Element	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd
units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
mean	18.4	57.8	40.7	133.5	6.7	71.1	31.5	1074	4.01	40.7	18.7	6.7	34.9	48.6	18.0
R.S.D.*	6.5	3.6	5.7	3.8	6.9	4.3	7.3	3.3	5.7	6.4	11.4	11.2	4.2	4.7	5.1
Element	**Sb**	**Bi**	**V**	**Ca**	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**B**	**Al**	**Na**	**K**	**W**
units	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm
mean	17.0	20.7	62.4	0.509	0.091	41.4	59.7	0.871	181	0.095	31.3	1.91	0.058	0.155	11.7
R.S.D.*	10.4	10.3	4.9	5.9	4.3	5.0	9.9	4.8	3.9	10.6	11.2	5.0	11.1	7.4	9.4

* Relative Standard Deviations (in %) based on a recent survey of 20 determinations for STD-C

INFORMATION BULLETIN - FIRE GEOCHEM ICP-ES

Acme Analytical Laboratories Ltd.

INTRODUCTION

ICP-ES, in analytical shorthand, stands for Inductively Coupled Plasma - Emission Spectrograph, an instrument that has revolutionized the analysis of samples for mineral exploration and mining. Unlike its predecessors that relied on absorption, titration, colorimetric change, etc. to deliver a single element determination, the ICP-ES delivers simultaneous multielement determinations. Samples dissolved in a solution or reduced to a gas, are aspirated into a "plasma" operating at 8000°K that atomizes the sample and excites electrons to higher energy levels. Light given off by the atoms as they return to their ground state, reflects off a grating that separates the light into its various spectral lines. Photomultiplier tubes (PMTs) in critical positions measure individual spectral line intensities thus giving the concentration of each element. ICP-ES has become one of the most popular analytical methods for exploration owing to the number of elements that can be determined (over 70), the wide linear range (4 to 5 orders of magnitude), sensitivity (ppm to ppb level detection limits) and stability of readings for solutions with high dissolved solids. Because the ICP-ES relies upon sample dissolution, the explorationist can be selective towards the species of the element to be determined. A weak or sequential leach can permit examination of metal transported by groundwater or bound up in iron and manganese coatings on grains. A fusion followed by acid digestion can totally dissolve the sample allowing absolute determination of the element of interest. In addition, pre-concentration or dilution of the sample solution permits expansion of the dynamic linear range of the instrument.

Acme has 8 ICP-ES units (Jarrel-Ash AtomComp 800s and 975s) each with 15 to 40 PMTs. Individual units are devoted to specific analytical tasks such as our 30 Element ICP, Ultratrace ICP, Fire Geochem ICP, Whole Rock ICP, Hydride ICP and Rare Earth ICP packages. Computers attached to ICP-ES units and connected to Acme's local area network, control analysis, capture data, correct for instrument drift and background interference and monitor analytical precision and accuracy.

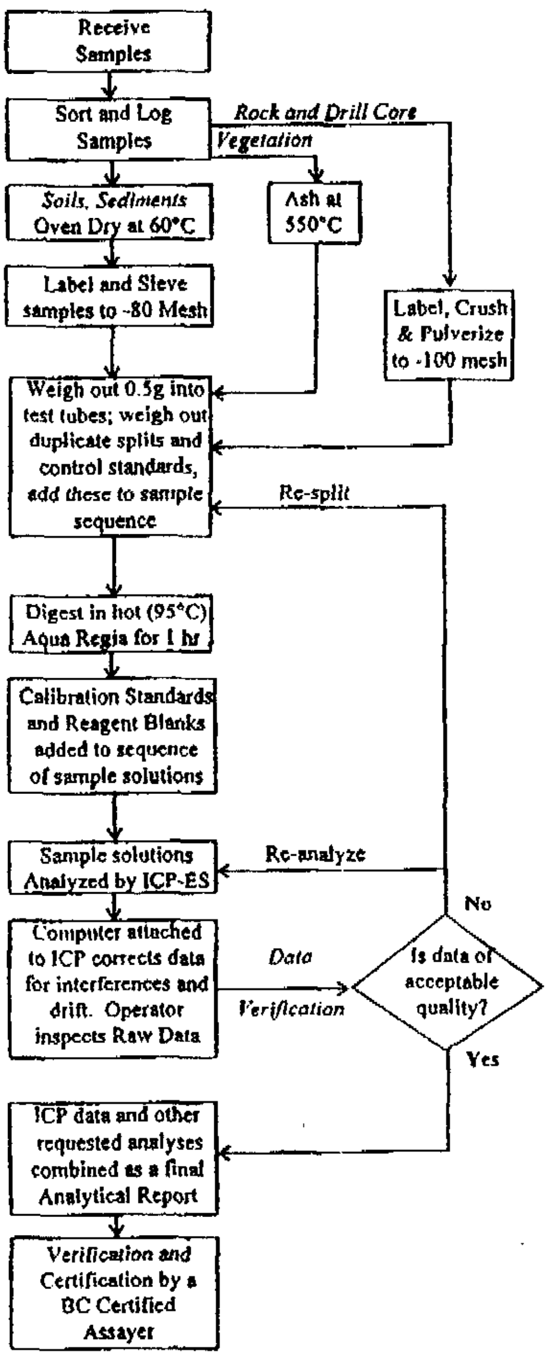
AU, PT, PD BY ICP

Samples are sieved to -80 mesh (soils and sediments) or crushed and pulverized to -100 mesh (rocks and drill cores). Acme in-house standard FA-100S and duplicate samples are inserted in the sample sequence. A 30 gram split is weighed, mixed with fire-assay fluxes and fused at 1050°C for 1 hr. After cooling, the lead button is separated from the slag and cupelled at 1000°C to recover the Ag ± precious metals dore bead. The dore bead is digested in hot (95°C) HNO_3 and HCl acids. After cooling for 2 hours, the sample solution is analyzed for Au, Pt and Pd by ICP-ES. Standard recovery is 95 to 98% of precious metal bound up in silicates, oxides, carbonates, sulphates or sulphides as well as free metal. Smaller splits are used for high chromite and high sulphide samples. Fire geochem ICP-ES can determine Rh, but requires a Au inquart. Acme recommends that samples containing in excess of 1 ppm Au, Pt or Pd, be confirmed by a precious metal fire assay.

ACME ANALYTICAL LABORATORIES LTD.
Assaying & Trace Analysis
852 E. Hastings St., Vancouver, B.C., Canada V6A 1R6
Telephone: (604) 253-3158 Fax: (604) 253-1716

METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE
GROUP 1D - 30 ELEMENT ICP BY AQUA REGIA

Analytical Process



Comments

Sample Preparation

Soils and sediments are dried (60°C) and sieved to -80 mesh (-177 microns), rocks and drill core are crushed and pulverized to -100 mesh (-150 microns). Plant samples are dried (60°C) and pulverized or dry ashed (550°C). Moss-mat samples are dried (60°C), pounded to loosen trapped sediment then sieved to -80 mesh. At the clients request, moss mats can be ashed at 550°C *then sieved to -80 mesh although this can result in the* potential loss by volatilization of Hg, As, Sb, Bi and Cr. A 0.5 g split from each sample is placed in a test tube. A duplicate split is taken from 1 sample in each batch of 34 samples for monitoring precision. A sample standard is added to each batch of samples to monitor accuracy.

Sample Digestion

Aqua Regia is a 3:1:2 mixture of ACS grade conc. HCl, conc. HNO_3 and demineralized H_2O. Aqua Regia is added to each sample and to the empty reagent blank test tube in each batch of samples. Sample solutions are heated for 1 hr in a boiling hot water bath (95°C).

Sample Analysis

Sample solutions are aspirated into an ICP emission spectrograph (Jarrel Ash AtomComp model 800 or 975) for the determination of 30 elements comprising: Ag, Al, As, Au, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sr, Th, Tl, U, V, W, Zn.

Data Evaluation

Raw and final data from the ICP-ES undergoes a final verification by a British Columbia Certified Assayer who then signs the Analytical Report before it is released to the client. Chief Assayer is Clarence Leong, other certified assayers are Dean Toye and Jacky Wang.

QUALITY ASSURANCE - QUALITY CONTROL

Acme is implementing procedures under the ISO 9002 series of standards, from the initial commitment to quality by our management and employees to statistical process control of all analytical operations.

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			± 100%	±50%	±25%	±15%	±12.5%	±10%	12.5%
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Ag	ppm	0.3	10 - 80	81 - 200	201 - 500	501 - 1000	1001 - 3000	3000 - 20000	>20000
Cr, Co, Cu, La, Mo, Sr, V, Zn	ppm	1	1 - 2	3 - 5	6 - 10	11 - 20	21 - 50	51 - 5000	>5000
Ba	ppm	1	1 - 5	6 - 15	16 - 30	31 - 50	51 - 100	101 - 5000	>5000
Ni	ppm	1	1 - 4	5 - 10	11 - 20	21 - 40	41 - 100	101 - 5000	>5000
As, Au, Bi, Mn, Sb, Th, W	ppm	2	2 - 4	5 - 10	11 - 20	21 - 40	41 - 100	101 - 10000	>10000
Pb	ppm	3	0.3 - 0.6	0.7 - 1.5	1.6 - 6.0	6.1 - 20.0	>20.0		
B	ppm	3	3 - 20	21 - 50	51 - 100	>100			
U	ppm	5	5 - 10	11 - 20	21 - 40	41 - 50	51 - 100	100 - 1000	>1000
P	%	.001	.001 - .002	.003 - .005	.006 - .010	.011 - .020	.021 - .050	.050 - 10.000	>10.000
Al, Ca Fe, K Mg, Na Ti	%	.01	.01 - .02	.03 - .05	.06 - .10	.11 - .20	.21 - .50	.51 - 20.00	>20.00

Accuracy of 30 Element ICP Standard - STD-C*

Element	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd
units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
mean	18.4	57.8	40.7	133.5	6.7	71.1	31.5	1074	4.01	40.7	18.7	6.7	34.9	48.6	18.0
R.S.D.*	6.5	3.6	5.7	3.8	6.9	4.3	7.3	3.3	5.7	6.4	11.4	11.2	4.2	4.7	5.1

Element	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
units	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm
mean	17.0	20.7	62.4	0.509	0.091	41.4	59.7	0.871	181	0.095	31.3	1.91	0.058	0.155	11.7
R.S.D.*	10.4	10.3	4.9	5.9	4.3	5.0	9.9	4.8	3.9	10.6	11.2	5.0	11.1	7.4	9.4

* Relative Standard Deviations (in %) based on a recent survey of 20 determinations for STD-C

Appendix D

Data Presentation

The 1995-1996 soil geochemistry data set contains analytical results generated by Eco-Tech and Acme Analytical laboratories, respectively. Statistical review (Table and Charts) demonstrate strong variation between the laboratories for As, Pb and Zn. Cu displays good correlation between the laboratories while Ag lacks sufficient range in concentrations to assess if a difference exists and Au is strongly influenced by the detailed sampling carried out on parts of the grid. Patterns in geochemical contour plots can be strongly affected by bias between laboratories, adjusting of one of the data sets is necessary (if possible) to remove the bias. The bulk of As values are below detection limits for both data sets, correction for bias is not possible. A linear regression analysis was conducted between the data sets for both Pb and Zn to determine if the bias between laboratories is linear. Samples falling between the 10^{th} and 90^{th} percentiles for both elements were compared between laboratories. A linear regression was observed for both elements with correlation coefficients of 0.98 and 0.94 for Pb and Zn, respectively. Pb and Zn values in the Acme Analytical Lab data set (the lesser in both cases) were adjusted using their respective regression equations.

Contour plots depicting threshold, anomalous and highly anomalous concentrations were generated for Au, Ag, As, Cu, Pb and Zn. Selection of concentration intervals is based on interpretation of histograms. In general, Threshold, Anomalous and Highly Anomalous concentrations roughly correspond to the 90^{th} , 95^{th} and 97^{th} percentiles of the combined data set.

Colour compilation contour plots were generated for precious metals (Au, Ag, As) and base metals (Cu, Pb, Zn). These are Sum Score plots wherein a value (sum score) is assigned to each sample site. Sum scores are calculated by assigning values of 1, 2 or 3 for concentrations at the Threshold, Anomalous or Highly Anomalous level and summing the numbers for the elements represented in the compilation (*vis* Au+Ag+As or Cu+Pb+Zn). Colour contours representing Weakly Anomalous, Anomalous and Highly Anomalous are based on sum scores equal to or greater than 2, 4 and 6, respectively.

Table Comparison of Element Concentrations between Laboratories for 1995 - 1996 Nugget Queen Geochemical Soil Survey

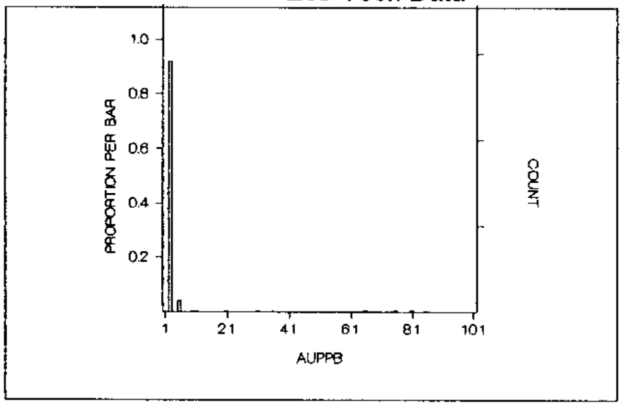
Eco-Tech Data	Au(ppb)	Ag	As	Cu	Pb	Zn
Minimum	2	0.1	2	0.5	2	4
Maximum	445	4.4	65	169	3604	352
Average	11.5	0.16	5.2	14.4	38.1	43.1
Standard Deviation	44.5	0.37	8.2	15.9	202.9	41.6
10th Percentile	2	0.1	2	3	8	14
25th Percentile	2	0.1	2	5	10	20
35th Percentile	2	0.1	2	7	12	23
Median	2	0.1	2	10	16	30
65th Percentile	2	0.1	2	14	22	40
75th Percentile	2	0.1	2	18	28	52
90th Percentile	5.0	0.1	10.0	26.2	44.4	84.0
95th Percentile	65.0	0.3	20.0	38.8	84.4	106.4
97.5th Percentile	129.8	0.6	30.0	53.8	157.6	159.6

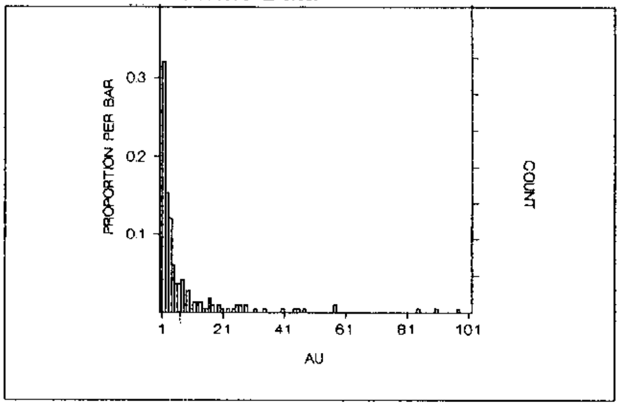
Acme Data	Au(ppb)	Ag	As	Cu	Pb	Zn
Minimum	0.5	0.1	1	0.5	1	0.5
Maximum	2240	1.8	48	147	704	225
Average	31.2	0.24	3.1	15.1	24.2	27.7
Standard Deviation	161.3	0.25	5.2	16.4	69.8	33.3
10th Percentile	0.5	0.1	1	2	1	4
25th Percentile	1	0.1	1	4	4	9
35th Percentile	1	0.1	1	7	5	11
Median	2	0.1	1	11	8	16.5
65th Percentile	4	0.1	2	16	12	26
75th Percentile	7	0.3	3	19	14.75	36
90th Percentile	28.9	0.6	5.3	32.3	30.6	58.2
95th Percentile	107.7	0.8	8.1	42.2	100.5	84.2
97.5th Percentile	316.7	0.9	13.2	55.3	208.3	113.6

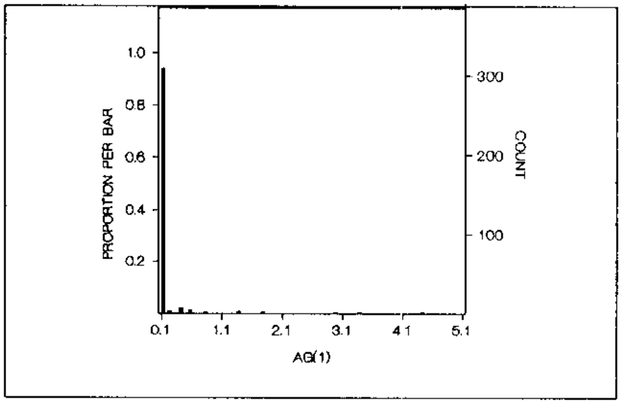
Eco-Tech Cu = Acme Cu
Eco-tech Pb = 1.2583 * Acme Pb + 6.2714 ppm
Eco-Tech Zn = 1.2866 * Acme Zn + 7.8332 ppm

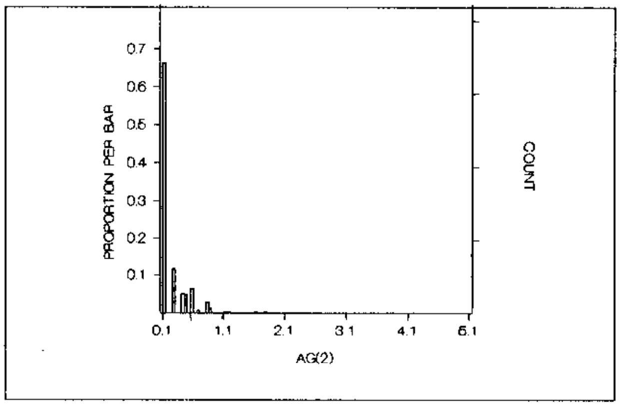
Eco-Tech Data

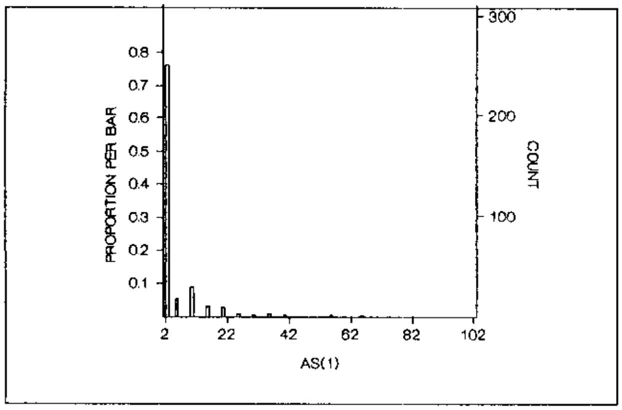
Acme Data

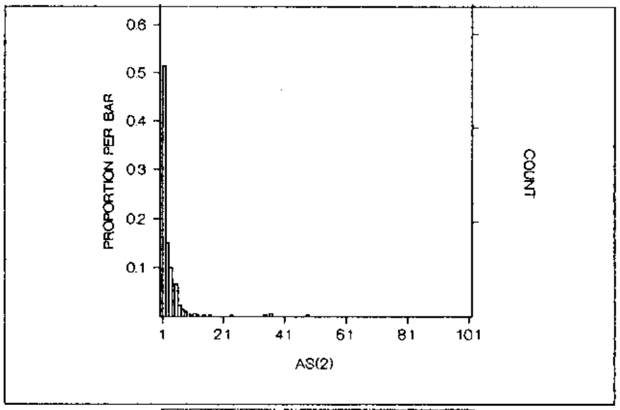


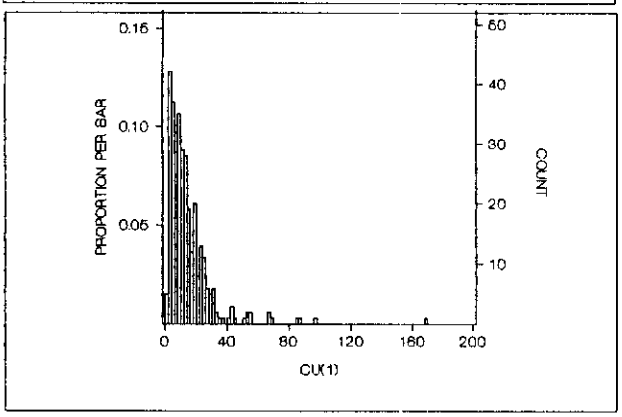


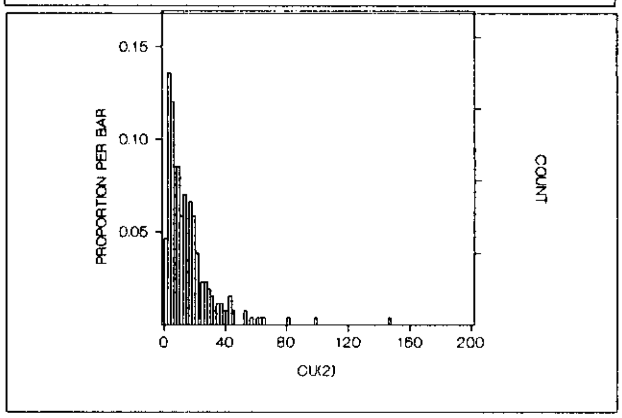






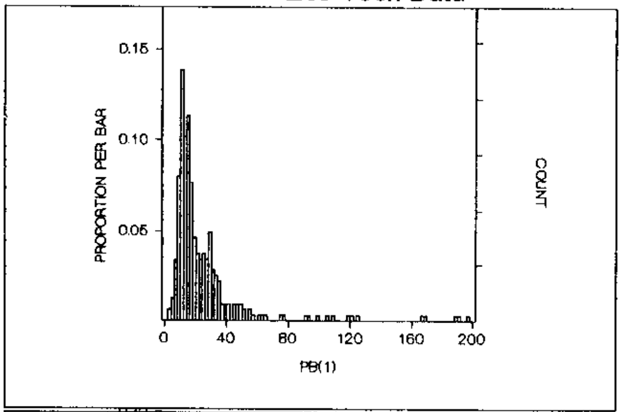


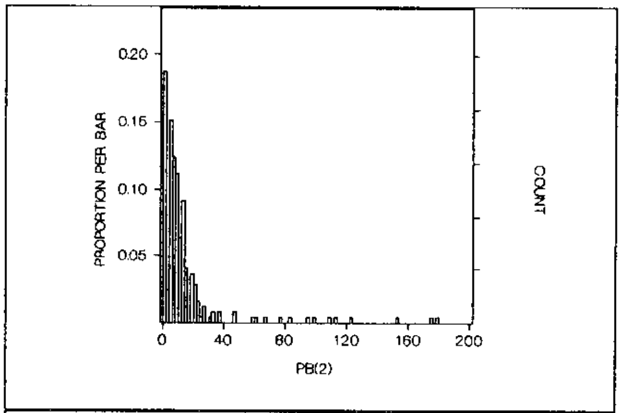


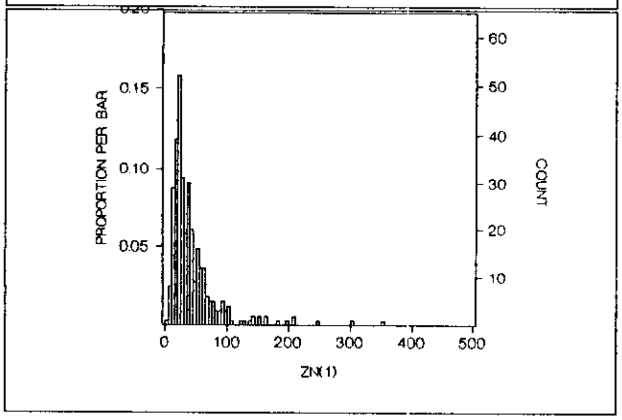


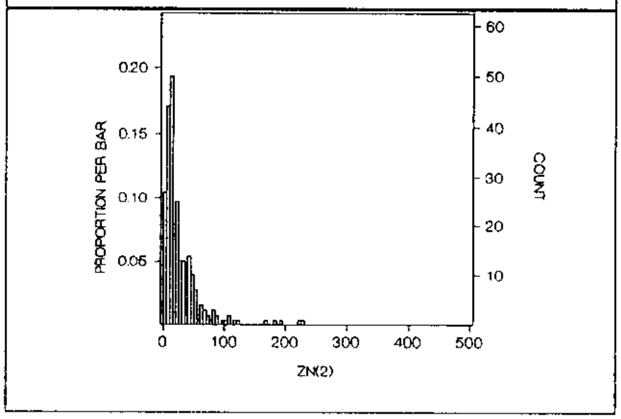
Eco-Tech Data

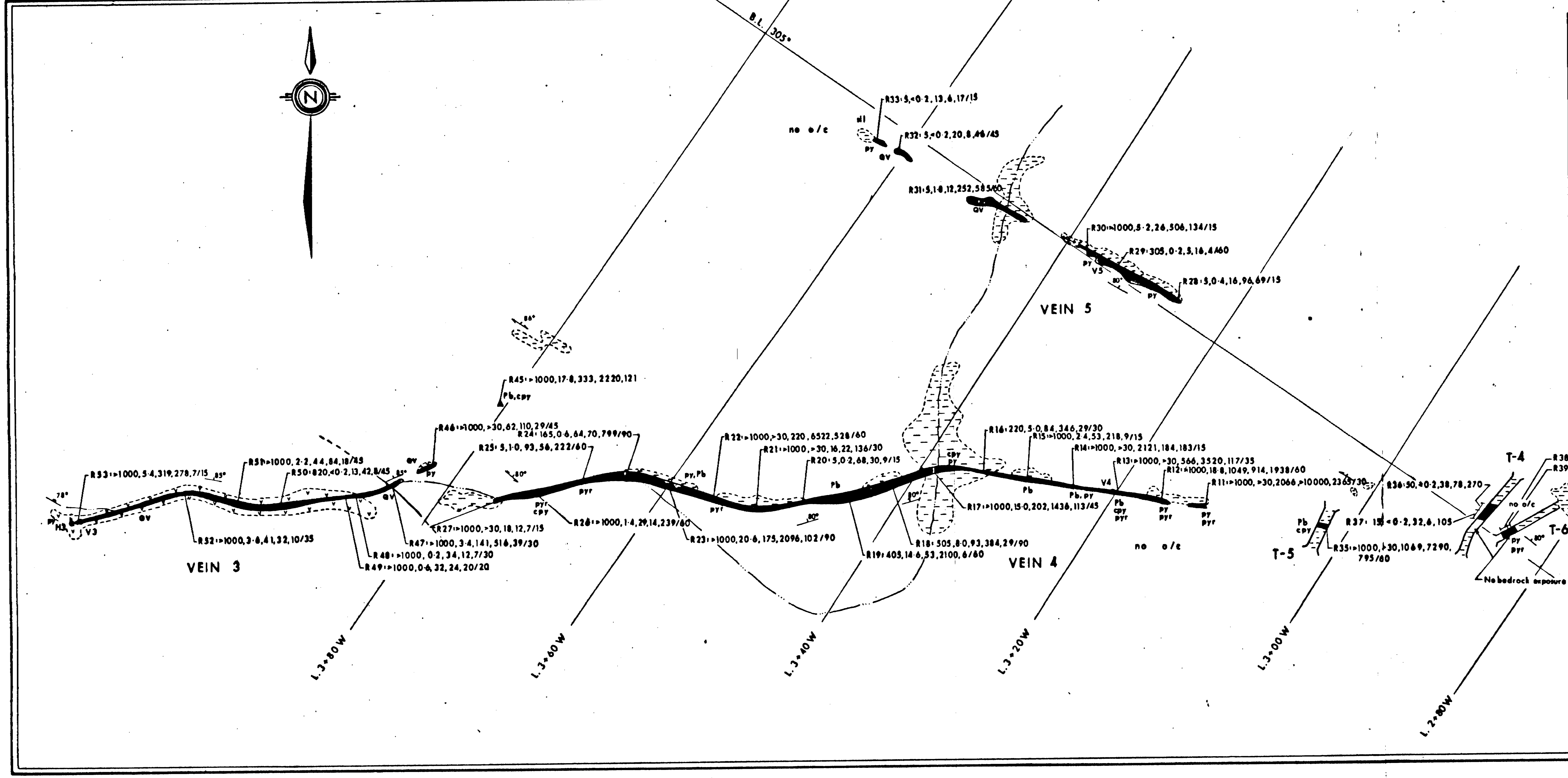
Acme Data











GOLD VALUE IN OZ / T

Sample No.	oz/t Au
R 11	3·717
R 12	0·158
R 13	1·174
R 14	1·183
R 15	0·047
R 17	0·237
R 21	3·306
R 22	0·557
R 23	0·310
R 26	0·342
R 27	3·990
R 30	0·038
R 35	0·707
R 45	0·227
R 46	13·865
R 47	0·155
R 48	0·088
R 49	0·071
R 51	0·083
R 52	0·220
R 53	0·304

LEGEND

- Metavolcanic greenstones
- Metasedimentary argillite
- Quartz vein
- Strike and dip
- Bedding
- Jointing
- Outcrop
- Quartz veinlets
- Geological contact (approximate, assumed)
- Rock sample location
- Grid line 10 metres station spacing
- Petrographic sample location
- Creek
- R 38: 35,0·2,11,9,8/60 Sample number: Au in ppb, Ag, Cu, Pb, Zn in ppm/width in cm

py	Pyrite
cpy	Chalcopyrite
pyr	Pyrrhotite
Pb	Galena

0 5 10 15m

PROVINCE OF BRITISH COLUMBIA F. F. YACOUB GEOSCIENTIST

SOLAIA VENTURES INC.

NUGGET QUEEN PROPERTY
SEYMOUR INLET AREA
VANCOUVER MINING DIVISION

VEIN 3, 4 and 5, TRENCH 4, 5 AND 6 PLAN AND ASSAY RESULTS

Project No:	526	By:	F. Y.
Scale:	1: 250	Drawn:	J. S.
Drawing No:	8	Date:	NOVEMBER 1995.

Ashworth Explorations Limited