GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL ASSESSMENT REPORT

on the

PATHFINDER PROPERTY

Greenwood Mining Division
British Columbia

for

CASSIDY GOLD CORP.
220 - 141 Victoria Street
Kamloops, B.C.
V2C 1Z5

Field Work: • August 14 - Nov 7, 1996
Claims: • 58 units
Location: • 18 km north of Grand Forks, B.C.
• NTS Map No. 82E/1W
• Latitude: 49°12' North
• Longitude: 118°25' West

Prepared By

GEOQUEST CONSULTING LTD.

W. Gruenwald, B. Sc., F.G.A.C.
March 10, 1997

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SUMMARY

The Pathfinder property is situated approximately 18 kilometres north of Grand Forks, B.C. and is easily road accessible. A total of 58 units comprise the Pathfinder property. Cassidy Gold Corporation may acquire by option a 100% interest in the claims from the owners, Mr. John Kemp and Mr. George Nakade.

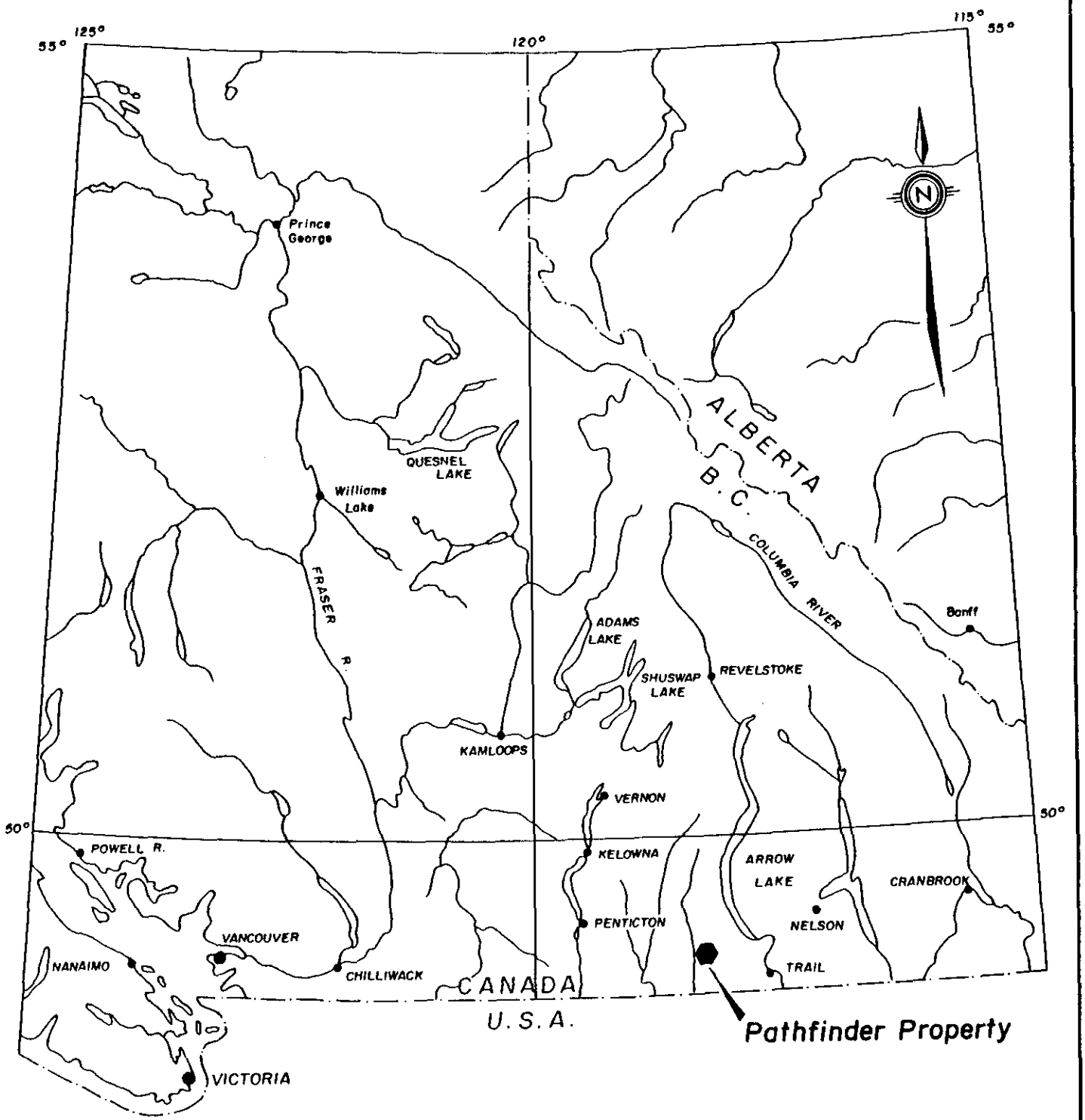
The property lies within the Phoenix-Boundary mining camp which dates back to the late 1890's. Numerous deposits are found in the region, some of the more renowned being the Phoenix, Oro Denoro, Dentonia and Lexington. Discovered in the 1890's, the Pathfinder property has been worked by numerous individuals and companies. Several shipments of ore totalling 1,230 tons were produced from the Pathfinder and Little Bertha deposits. Substantial amounts of gold and silver, along with minor copper and lead were produced. The grades of some shipments exceeded one ounce/ton gold.

The property is situated within a Permian-Carboniferous belt of weakly metamorphosed volcanic and sedimentary rocks immediately west of and in fault contact with Precambrian gneisses of the Grand Forks Group. Faulting related to the Granby River Fault dissects significant areas of the property. Intruding the region are granitic rocks of the Nelson and Coryell intrusions. A large percentage of the property is underlain by intrusive rock.

Mineralization is present in many areas of the property as evidenced by numerous old trenches, several shafts and adits. Three major areas of mineralization are recognized and referred to as the Pathfinder, Diamond Hitch and Little Bertha Zones. The first two zones consist of semi-massive to massive sulphide bodies in altered volcanics and sediments. Mineralization consists primarily of pyrrhotite, pyrite and chalcopyrite. The Little Bertha consists of north-northeasterly trending, east dipping ***mesothermal*** *quartz vein(s) hosted by intrusive rocks. Precious metal values appear to be related to sulphide content. The genesis of these deposits is not well understood, however the combination of intrusive activity and major fault zones in the area have likely played a significant role in localizing mineralization.*

Recent exploration programs (1980 to present) have included geochemical, geophysical and geological surveys along with trenching and diamond drilling. Encouraging results have been obtained locally on the Pathfinder and Diamond Hitch showings, however no large scale programs appear to have been conducted to properly "tie in" the mineralized zones. The Little Bertha Vein was primarily explored in the early history of the property. The Little Bertha Vein has by all accounts never been successfully drill intersected.

Exploration during 1996 resulted in the delineation of several skarn zones, a gold bearing metasedimentary unit and a sulphide rich zone. Geochemical and geophysical surveys have yielded a number of high priority exploration targets believed to host precious and/or base metal mineralization. A two phase exploration program involving road construction, trenching and drilling is recommended. One of the primary targets should be the Little Bertha Vein. The historical grades, vein width and existing infrastructure make this a target that could be rapidly advanced toward development and small scale production. The nearby skarn environment and any parallel vein structures could significantly add to the potential of this area and can be tested concurrently with the drilling of the Bertha Vein.



CASSIDY GOLD CORP.

LOCATION MAP

PATHFINDER PROPERTY

GREENWOOD MINING DIVISION, B.C.

Technical Work By: GEOQUEST CONSULTING	Scale: 1:2,500,000 (1cm=25km)	
Date: July, 1996	Drawn By: W.G.	Fig. No. 1

INTRODUCTION

During the late summer and fall of 1996, Cassidy Gold Corp. funded a comprehensive exploration program on the Pathfinder property north of Grand Forks, B.C. The objective of the program was to assess several types of mineralization including gold bearing vein and potential skarn zones. Exploration consisted of grid establishment along with soil and rock sampling, geological mapping and geophysical surveys. The results of this program were encouraging and further exploration is recommended.

LOCATION AND ACCESS

The Pathfinder property is favourably located in southern British Columbia approximately 18 kilometres north of Grand Forks (Figure 1). Geographic co-ordinates for the property are 49° 12' north latitude and 118°25' west longitude on N.T.S. Map No. 82E/1W.

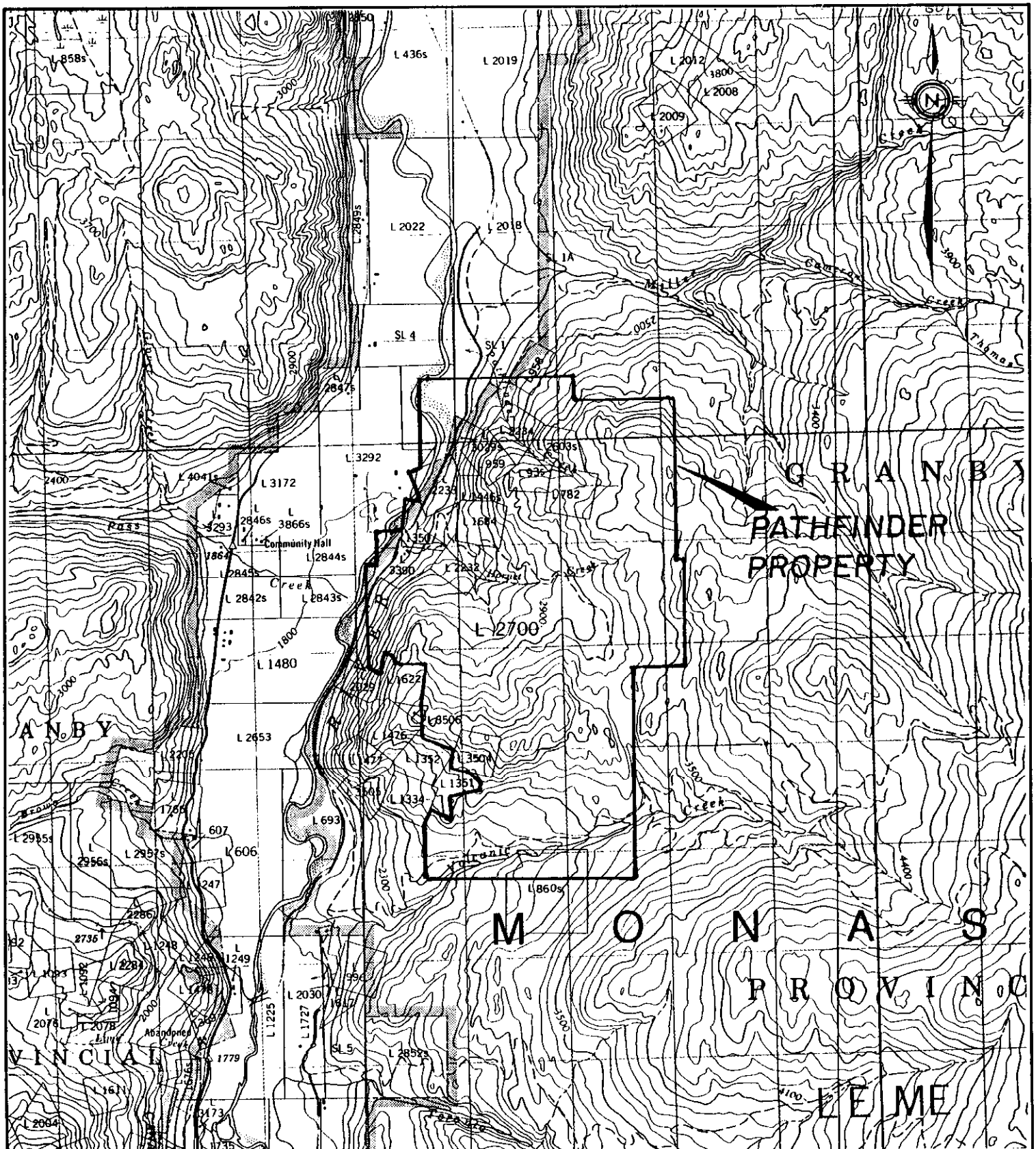
The property is readily accessible from Grand Forks via a paved road along the east bank of the Granby River. Along the western margin of the claim block a gravel road heads uphill and easterly to a series of roads that provide good access to most of the historical workings. Travel time from Grand Forks is approximately one half hour.

TERRAIN

The Pathfinder property is situated along the west flank of the Christina Range of the Columbia Mountains. The property is transected by three westerly flowing creeks that drain into the Granby River. These are from north to south, Pathfinder, Hornet and Volcanic Creeks (Figure 2). Slopes are generally moderate to the northwest except along creek gullies where slope directions are highly variable. Some steep slopes are present but no areas are inaccessible. Elevations range from 580 metres along the Granby River to 1,160 metres along the eastern boundary of the claim block. The uppermost workings (Pathfinder) are situated at the 1,000 to 1,050 metre elevations while the lowest (Little Bertha) range from 625 to 680 metres in elevation. The property is generally free of snow from early April until November.

The entire property is forested with moderate stands of fir, pine, cedar and assorted deciduous growth. Local patches of grassland are present on ridges and several steep, westerly facing slopes.

Overburden appears to be thin suggesting that geochemical sampling should be reflective of the underlying lithologies. For the most part the terrain should not prohibit the construction of roads or drill sites.



CASSIDY GOLD CORP.

TOPOGRAPHIC MAP

PATHFINDER PROPERTY

GREENWOOD MINING DIVISION, B.C.

Technical Work By: GEOQUEST CONSULTING LTD.	Scale: 1:50,000
Drawn By: W.G.	Date: July, 1996
Approved By:	Fig. No. 2

To accompany a report by W. Gruenwald, B.Sc.

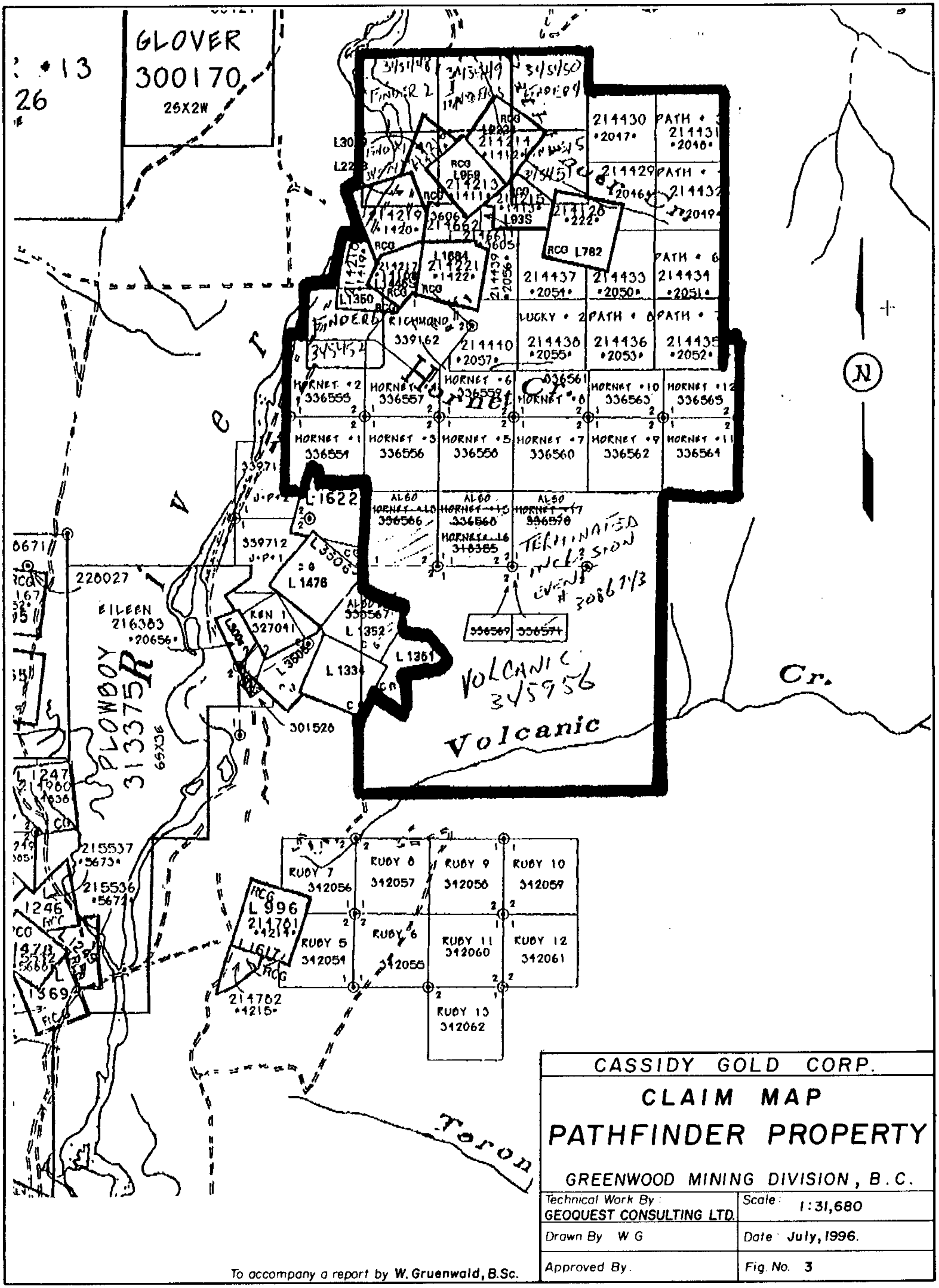
PROPERTY

The Pathfinder property is comprised of a package of reverted crown grants, two post and modified grid claims totalling 58 units (Figure 3). The claims are located in the Greenwood Mining Division and are in good standing. Details of the claims are as follows:

Claim Name	Record No.	No of Units	Expiry Date*
Pathfinder	214128	1	Feb 17, 1999
Diamond Hitch	214221	1	Feb 28, 1999
Christina	214218	1	Feb 23, 1999
Derby	214219	1	Feb 23, 1999
Jasper Fraction	214216	1	Feb 23, 1999
Iron Bell Fraction	214215	1	Feb 21, 1999
London (Bannock)	214214	1	Feb 21, 1999
Little Bertha	214213	1	Feb 21, 1999
Lonestar Fraction	214217	1	Feb 23, 1999
Path #1 - #8	214429 - 214436	8	Mar 04, 1999
Hike #1 - #2	214661 - 214662	2	Mar 14, 1999
Lucky #1 - #4	214437 - 214440	4	Mar 04, 1999
Finder #1 - #6	345447 - 345452	6	Apr 19, 1999
Richmond	339162	1	Aug 09, 1999
Hornet #1 - #12	336554 - 336565	12	May 25, 1999
Volcanic	345956	16	May 08, 1999

* Expiry date based on acceptance of 1996 assessment work

The registered owners of the claims are Mr. George Nakade and Mr. John Kemp of Grand Forks, B.C. Cassidy Gold Corp. may acquire by option a 100% interest in the claims. With the exception of a small parcel of private land in the southwest, the vast majority of the property is situated on crown land. The private land does not present any problem with regard to access or exploration work.



CASSIDY GOLD CORP.

CLAIM MAP

PATHFINDER PROPERTY

GREENWOOD MINING DIVISION, B.C.

Technical Work By: GEOQUEST CONSULTING LTD.	Scale: 1:31,680
Drawn By: W G	Date: July, 1996.
Approved By:	Fig. No. 3

To accompany a report by W. Gruenwald, B.Sc.

HISTORY

The Greenwood - Grand Forks area has witnessed a long period of mining activity dating back to the late 1800's. The majority of mining activity was directed toward copper-gold deposits such as the Phoenix, Dentonia, Lexington and Oro Denoro. The bulk of mineral production came from copper "skarns" such as the Phoenix which between 1900 and 1978 produced 236,000 tonnes of copper and 28,083 kg of gold (816,326 oz) from slightly more than 13 million tonnes of ore milled.

The discovery of the Pathfinder property dates back to the 1890's. During this time and into the 1930's, the property was extensively explored with the excavation of numerous hand trenches and several adits and shafts. Records indicate shipments of approximately 1,230 tons of material from the Little Bertha and Pathfinder claims. Gold, silver, copper and lead were recovered. The gold grades of some shipments exceeded 1 oz/ton.

Exploration activity recommenced on the property in the 1960's and since then the Pathfinder property has received sporadic attention from several companies and individuals. The following table outlines the exploration work conducted on the property.

HISTORICAL WORK ON THE PATHFINDER PROPERTY

YEARS	WORK BY	AREAS EXPLORED	SCOPE OF WORK	RESULTS	DOCUMENTATION
1895-1920'S	--	Little Bertha Pathfinder Diamond Hitch	Open cuts, trenches, adits, shafts, mining, ore shipments to Cominco.	Produced gold, silver, copper and lead from Little Bertha and Pathfinder deposits. Shipments totalled 1115 tonnes (1229 tons).	Minfile reports B.C. Gov't Minister of Mines Reports
1960's	Hecla Mining Co.?	Property	Trenching areas between Pathfinder and Little Bertha.	Exposed possible skarn and massive sulphide mineralization.	None
1960's	Alwin Mining Co. Ltd.	Little Bertha	Reopening adits, trenching, 12 diamond drill holes.	Unknown	No public information
1980	Aries Resources Inc.	Little Bertha	Geological, magnetometer surveys on western half of property, 3 diamond drill holes (284 m).	Holes terminated before encountering vein?	Assessment Report #8945
1980	Dolmage, Campbell and Associates (R. Saunders)	Property	Geological mapping	Lithologies/structures identified	Map only
1983	Nu-Lady Gold Mines Ltd.	Diamond Hitch	Diamond Drilling (3 holes)	DDH 83-03 - 0.7 m @ 1.4 oz/t Au - 3.7 m @ .120 oz/t Au	Assessment Report #12123
1984	Nu-Lady Gold Mines Ltd.	Diamond Hitch	Diamond Drilling - 4 holes totalling 195 metres to follow-up 1983 drill intersections.	Did not expand on 1983 work. Best intersection was 0.9 m @ .028 oz/t Au.	Assessment Report
1985	Nu-Lady Gold Mines Ltd.	Pathfinder	Diamond Drilling - 13 holes totalling 921 metres. Centred around shaft and adit	Massive sulphides intersected. Grades unknown.	Data not available
1987	Ber Resources Ltd. (H. Kim)	Pathfinder Diamond Hitch	Trenching, reconnaissance geochem, geophysics and geology on eastern portion of property (Pathfinder zone)	Trench "A" on Pathfinder yielded 0.235 oz/t Au over a 5 m section. Trenching of anomalous zones revealed magnetite-pyrite mineralization, low gold-silver values	Assessment Report
1992	Niagara Developments (H. Kim)	Little Bertha Pathfinder	Grid & VLF on Little Bertha area. Prospecting and trench sampling on Pathfinder zone	Delineated Little Bertha vein and possible faulted sections. Magnetic signature suggests SE extension of Pathfinder sulphide zones.	Assessment Report
1994	Niagara Developments (R.E. Miller)	Pathfinder	Magnetometer survey over 500 x 1000 metre grid established primarily east-southeast of the Pathfinder shaft.	Delineated known and possible extensions of massive sulphide mineralization.	Assessment Report

GEOLOGY

Regional:

The Pathfinder property is situated within a belt of Permian-Carboniferous rocks immediately west of the fault contact with a Precambrian gneiss complex (Grand Forks Group). The northerly trending Granby River Fault is inferred to be the eastern margin of the Republic Graben, a fault bounded package of rocks that extends north from Washington, USA (Figure 4). The Permian-Carboniferous rocks, commonly referred to as the Anarchist Group, consist primarily of greenstone, chert, argillite, and minor limestone. Recent mapping by Fyles (1990) has reclassified this sequence into the Attwood and Knob Hill Groups. Intruding the region are plutons of Jurassic/Cretaceous granitic rocks of the Nelson Batholith. The youngest rocks in the region consist of Tertiary dikes, sills and intrusions commonly referred to as the Coryell Intrusions.

Property Geology:

Representatives of the aforementioned rocks are found on the Pathfinder property. Reconnaissance mapping by R. Saunders, P. Eng. (1980) identified three major map units. An assessment report by H. Kim (1993) outlined the geology of the property as follows:

UNIT 1 **Anarchist Group (Attwood/Knob Hill)**

- weathered (limonitic), bedded cherts containing disseminated pyrite.
- dacite and andesite flows, often finely porphyritic and commonly altered.

UNIT 2 **Nelson Batholith**

- intrusive complex underlies much of the property.
- includes quartz diorite, granodiorite, diorite, alaskite and finer grained variations.
- ranges from fine to medium grained, fresh to very altered (chlorite-epidote).
- zones of quartzitic rock inferred to be silicified dacite and diorite or may be roof pendants?

UNIT 3 **Coryell Intrusions (Penticton Group - J.T. Fyles)**

- primarily medium grained monzonite containing white and pink feldspars.
- rocks containing only pink feldspars mapped as syenite.
- fine grained, pink equivalents mapped as trachyte.
- contacts with Unit 2 are sharp.

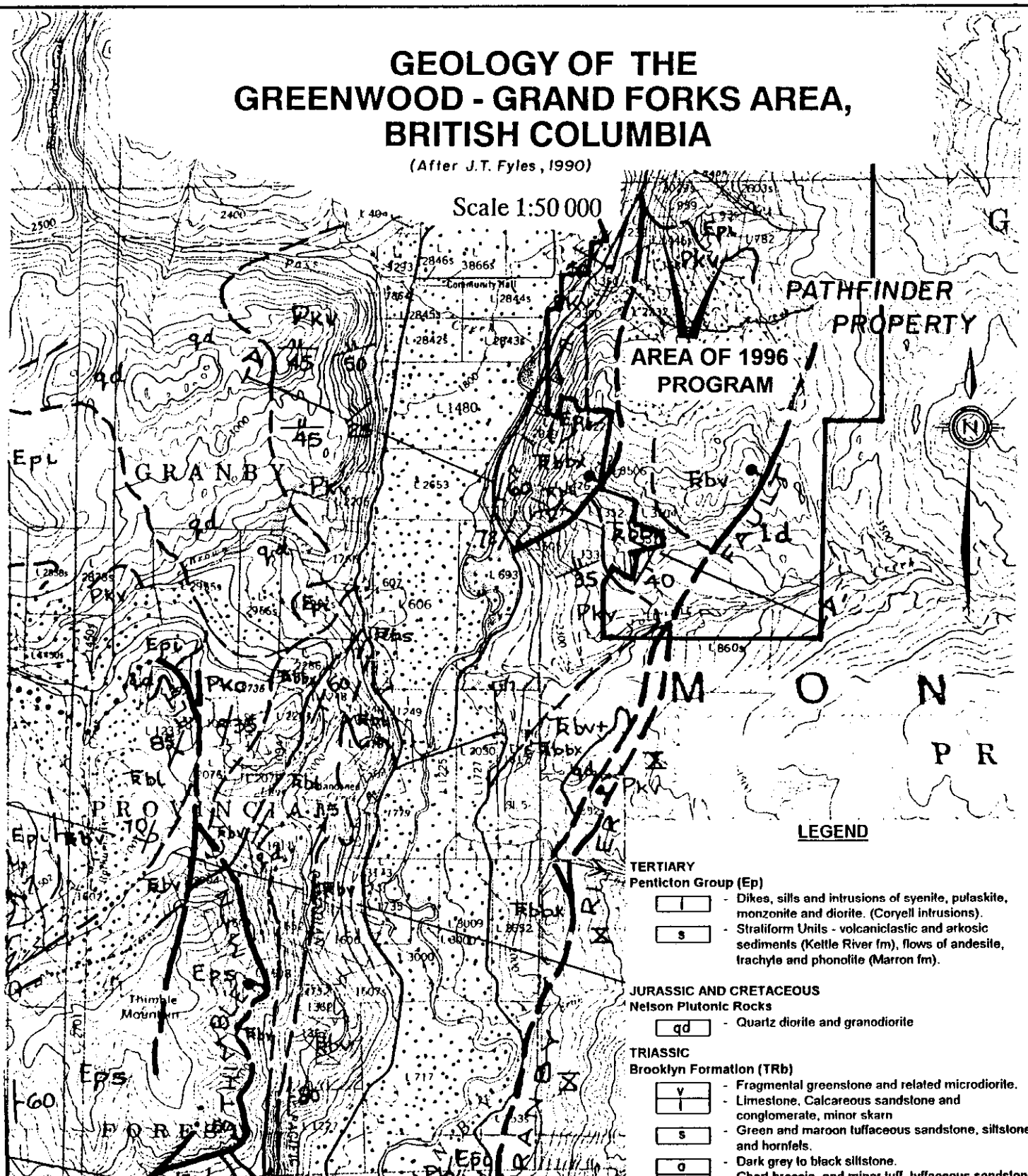
Mapping during 1996 revealed a complex geological setting and identified seven distinct rock units, most of which represent the above three major map units (Figure 5). Rock samples collected by the writer are described in Appendix A. To assist in rock identification a petrographic study was carried out on seven rock samples (Appendix B).

The youngest rocks on the property (Unit 1) are found along the eastern edge of the grid and consist of light coloured, fine grained feldspar ± quartz porphyry. These rocks likely represent Tertiary flows.

GEOLOGY OF THE GREENWOOD - GRAND FORKS AREA, BRITISH COLUMBIA

(After J.T. Fyles, 1990)

Scale 1:50 000



LEGEND

TERTIARY

Penticton Group (Ep)

- l - Dikes, sills and intrusions of syenite, pulaskite, monzonite and diorite. (Coryell intrusions).
- s - Stratiform Units - volcaniclastic and arkosic sediments (Kettle River fm), flows of andesite, trachyte and phonolite (Marron fm).

JURASSIC AND CRETACEOUS

Nelson Plutonic Rocks

- qd - Quartz diorite and granodiorite

TRIASSIC

Brooklyn Formation (TRb)

- v - Fragmental greenstone and related microdiorite.
- l - Limestone, Calcareous sandstone and conglomerate, minor skarn
- s - Green and maroon tuffaceous sandstone, siltstone and hornfels.
- a - Dark grey to black siltstone.
- bx - Chert breccia, and minor tuff, tuffaceous sandstone and maroon and green limestone cobble conglomerate.

CARBONIFEROUS OR PERMIAN

Knob Hill Group (Pk)

- c - Chert, grey argillite, siliceous greenstone and minor limestone.
- v - Greenstone, pillow lava and breccia, amphibolite and minor limestone.

PRECAMBRIAN

Grand Forks Group (Preto, 1970)

- ld - Sillimanite and/or biotite paragneiss
- X - Crushed and mylonitized quartz monzonite

CASSIDY GOLD CORP.

PATHFINDER PROPERTY

GREENWOOD MINING DIVISION, B.C.

Technical Work By: GEOQUEST CONSULTING LTD.	Scale:
Drawn By: W.G.	Date: July, 1996.
Approved By:	Fig. No. 4

To accompany a report by W. Gruenwald, B.Sc.

The second rock type identified (Unit 2) are intrusive rocks related to the Tertiary Coryell Intrusives. These rocks are found throughout the property with a dominance in the northern two thirds of the grid. The most common rock type is a medium grained, pink to grey, feldspar porphyritic rock. Finer grained trachyte equivalents are locally present. Contacts, when observed, are generally sharp and distinct. In some areas these rocks appear to have been emplaced as dykes and sills.

Unit 3 consists of dioritic rocks related to the Jurassic/Cretaceous aged Nelson Batholith. These rocks are medium to coarse grained, locally porphyritic and can range from diorite to gabbro in composition. A minor sub-unit (3a), identified as a quartz monzonite, is found in the northeast area of the grid. Unit 3 rocks are found throughout the grid area with a dominance toward central and northern portions. These rocks are intruded in many areas by the Coryell syenites.

Unit 4 is described as "metasediments" that are probably related to the Anarchist Group (Attwood/Knob Hill) of Permian-Carboniferous age. These rocks are typically limonitic, weakly bedded, fine grained, impure quartzites, argillites, calcareous equivalents and minor cherty rocks. For the most part, these rocks occur as west-northwest trending roof pendants within the intrusive rocks. The largest concentrations of these rocks occur from the baseline to the north. Bedding attitudes are highly variable due to the abundance of intrusive rocks. At B/L;7+55W a narrow, shallow dipping, metasedimentary band is enclosed by syenitic rocks. Another band of limonitic metasediments occurs south of the baseline between L-4+00W and L5+50W where the host rocks are diorites.

Unit 5 consists of "metavolcanics" that may be of a similar age to the metasediments. These rocks are typically dark green, massive greenstones, amphibolites and tuffaceous rocks and occur as small outcrops in the southern and western portions of the grid.

Unit 6 is a mafic porphyry and occurs as rare small bodies (dykes) of black to dark green, fine grained rocks. These rocks are found in the central portion of the grid in contact with Unit 3 dioritic rocks.

Unit 7 is described as skarn and is found in at least five areas of the property. It was only recently that these rocks were recognized as occurring on the Pathfinder property. When observed, these rocks typically occur as irregular shaped zones predominantly within or adjacent to syenitic or dioritic rocks. The skarn mineralogy at the various locations is quite diverse with a varying dominance of minerals such as garnet, epidote, amphiboles, pyroxenes and plagioclase. For the purposes of mapping, zones of calc-silicate hornfels have been included with the skarn unit.

The structural fabric of the Pathfinder property is dominated by the north-northeast trending Granby River Fault. This fault marks the boundary between the previously discussed lithologies and the Precambrian Grand Forks Group comprised of highly metamorphosed and deformed rocks (Figure 4). Property mapping has identified faults, shears and topographic

linears oriented in two basic directions. The more dominant and common direction is north-northeast to northeast. These are likely structures parallel to the Granby River Fault. The Bertha and several other veins appear to be at least partially controlled by such a fault. Several small scale faults, shears and topographic linear features show orientations of north-northwest to northwesterly. These may reflect conjugate tensional structures associated with the major regional trend. Such crosscutting structures could have a significant role in localizing mineralization and/or determining extensions to structures such as the Bertha Vein.

MINERALIZATION

Work to date has revealed the Pathfinder property to host numerous mineral showings in several distinct environments. The bulk of these occurrences are grouped into three areas known as the Pathfinder, Diamond Hitch and Little Bertha Zones (Figure 5).

The Pathfinder and Diamond Hitch showings are situated in the eastern and southern portions of the grid area respectively. Mineralization consists primarily of semi-massive to massive sulphides in altered (chlorite-epidote) metavolcanics and metasediments of the Anarchist Group. Evidence indicates these showings to be spatially related to the contact zones of the Coryell intrusives and likely formed as hydrothermal replacements and fracture fillings in the sheared host rocks. The two showings are approximately one kilometre apart and their full extent has not yet been determined. Sulphide mineralogy consists primarily of pyrrhotite, pyrite and chalcopyrite. During the writer's initial examination, a sample collected from the Pathfinder adit dump returned 0.029 oz/ton gold, 0.69 oz/ton silver and highly anomalous cobalt (628 ppm). Records indicate that in 1916, 263 tons of material were mined with recovered grades of 0.09 oz/ton gold, 0.49 oz/ton silver and 0.98% copper. In some Minister of Mines reports substantially higher precious metal grades were reported for the Pathfinder property. Mineralization within the Diamond Hitch showings occurs in sheared and altered andesitic rock. This showing was historically explored by several trenches and shallow shafts. More recently (1983), values of up to 1.40 oz/ton gold across 0.7 metres were obtained from a diamond drill hole.

The Little Bertha occurrence is situated on a steep, westerly slope in the northwest corner of the grid. This showing consists of one or more north-northeasterly trending, east dipping veins in dioritic rocks of the Nelson intrusions. The orientation of the vein(s) parallels the Granby River Fault. Evidence of faulting is seen in the uppermost workings (stope) where a slickensided fault plane marks the hanging wall of the vein. The vein ranges up to 2 metres in width and consists of milky quartz and quartz stockwork. The estimated strike length of the vein is approximately 100 metres and is considered open in both directions. Local concentrations of sulphides were noted near the hanging wall contact. Sampling by the writer in July, 1996 returned values of 0.782 oz/ton gold, 13.88 oz/ton silver and approximately 1.5% combined lead and zinc from a ***selected*** sample of sulphide rich vein. Scattered fragments of quartz collected from an upper adit dump returned a value of 0.362 oz/ton gold along with greater than 1.0 oz/ton silver and minor values for lead and zinc.

Based on the mineralogy and analytical results it would appear that the Little Bertha Vein(s) are "mesothermal" in nature, that is formed at moderate depth and pressure. These types of quartz veins often have a significant depth potential. Historical records from the Little Bertha Vein indicated a total of 966 tons were mined (1900 - 1939) from which 426 oz gold, 3,866 oz silver and minor copper and lead were produced. This yields an overall average of 0.44 oz/ton gold and 4.0 oz/ton silver. Production records for some years returned gold grades in excess of one ounce/ton.

Situated uphill and southeast of the Bertha Vein (8+10W;0+45W) is an old open cut where dump material revealed quartz-carbonate veining. Previous sampling returned values of 0.279 oz/ton gold and 3.34 oz/ton silver. This zone may represent a parallel vein structure and should be investigated in future programs.

Approximately 150 to 500 metres south-southwest of the Bertha Vein are a number of small adits and shafts that have exposed sulphide and/or vein mineralization. These poorly understood zones have locally returned moderate values for gold (0.160 oz/ton Au). Whether these zones are structures related to the Bertha Vein is not known.

In the central and northeastern portions of the grid are areas underlain by metasedimentary rocks. These rocks are typically quite limonitic as a result of the weathering of very fine grained pyrite and/or pyrrhotite. The presence of these rusty rocks led early prospectors to dig numerous hand trenches and drive small adits and shafts. Sampling by the writer in these old workings yielded very low gold and base metal values. An exception to the above is in a "band" of metasediments south of the baseline in between L-6+00W and L-4+00W. This west-northwest trending band of siliceous, limonitic rock contains finely disseminated pyrite and pyrrhotite. Rock samples returned gold values up to 500 ppb.

Located just west of L-7+00W;2+75S is a zone of sulphide mineralization. Judging by the vegetation cover, this area appears to have been excavated many years ago. Mineralization consists of semi-massive to massive pyrrhotite and pyrite in a gabbroic host rock. A sample of this material returned 135 ppb Au, 2.6 ppm Ag, 2,596 ppm Cu and 295 ppm Ni. Little is known of the geological setting or extent of this zone.

One final area of interest is situated between L-8+00W and L-9+00W at approximately 3+75S. In this area a north-northeast trending, easterly dipping "epithermal" type vein and stockwork zone occurs within hornfelsed and skarn type rocks. Sampling did not return any anomalous gold values. Interestingly however, a sample of skarn rock (PWR-5) approximately 25 metres southwest of the vein returned a highly anomalous 480 ppm tungsten.

EXPLORATION PROGRAM - 1996

Based on the writer's recommendations (July, 1996) a program of exploration was conducted on the area between the Little Bertha and Pathfinder Zones and bounded to the south by the Diamond Hitch Zone. This area was selected for the potential of delineating additional vein type mineralization (i.e. Bertha) and to follow up on indications of "skarn type" environment. This area has received relatively little attention as opposed to the Pathfinder and Diamond Hitch Zones.

As there was little geochemical data, it was deemed necessary to establish a grid over the target area. Between August 14 and November 7, 1996 a program involving grid establishment, geochemical sampling, mapping and geophysical surveys was completed. Mr. John Kemp supervised all grid work, sampling and geophysical surveys. Geological mapping and rock sampling were conducted by the writer. Selected rock samples were sent to Vancouver Petrographics for determination of lithology and alteration. Topographic base maps were prepared by Eagle Mapping Services Ltd. Geophysical data was interpreted and plotted by JMT and Associates.

GEOCHEMISTRY

The first phase of exploration required the establishment of a proper grid. A well marked and picketed baseline was established at 290° azimuth from 0+00 to 11+00W. The origin (0+00) of the baseline was tied into the western end of a small grid over the Pathfinder Zone. Crosslines were established every 100 metres and extended to 4+00N and 8+00S. Lines parallel to the B/L were established at 50 metre spacings north and south of the baseline between crosslines 8+00W and 11+00W (Figures 6-9). This smaller grid was established to be roughly 90° to the orientation of the Bertha Vein(s). Marked stations were established at 25 metre intervals along all grid lines. Late in the season several "fill-in" lines were established to tighten up on anomalous zones.

Soil sampling was carried out over the entire grid at 25 metre spacings. Where possible, soils were collected from the "B" horizon at depths of 25-40 cm. In some areas extremely rocky conditions did not allow for sample collection or only yielded a "talus fines" sample. In all, a total of 630 soil and 54 rock chip samples were collected. All samples were submitted to Eco Tech Labs in Kamloops, B.C. for gold and 15 element ICP analysis. Descriptions of the analytical procedures are given in Appendix C while all geochemical data is presented in Appendix D.

Inspection of the geochemical data revealed four elements to be of significance, namely gold, arsenic, copper and zinc. The data for each element is displayed on contoured geochemical plans at a scale of 1:2,500 (Figures 6-9). Geochemical categories were assigned from inspection of the data and are not based on a statistical analysis.

Gold geochemistry is dominated by a large anomaly situated between L-2+00W and L-7+00W and centred around 3+75S. This anomaly is situated on a moderately steep southwest slope and is defined at its uphill (northern) limit by a west-northwest trending, limonitic, siliceous metasedimentary band thought to be a pyritic quartzite. Soil sampling below this band revealed highly anomalous values, one being over 1,000 ppb gold. Mineralized, hematitic and intrusive looking talus found on L-6+00W;3+50S below this metasedimentary band may indicate more widespread mineralization and not simply downslope geochemical dispersion. Localized high copper and zinc values are associated with this anomaly. Several other smaller gold anomalies are found to the south and west. The southernmost anomaly (235 ppb), centred at L-7+00W;7+00S, is associated with the Diamond Hitch Zone where a sulphide rich rock sample returned a value of 0.386 oz/ton gold. Another anomaly (705 ppb) at L-9+00W;3+00S occurs in an area of unknown geology but west of intrusive terrain. The northernmost significant gold anomaly is located within the Bertha grid at L-9+00W;0+50S where a value of 750 ppb gold was obtained. This area is partially coincident with a zinc anomaly and is situated west (downhill) of a known skarn zone. A rock sample (PWR-1) just northwest of here returned a value of 790 ppb gold. This high value is surprising as the rock was a weakly altered, granodiorite porphyry with no notable mineralization. It is worth noting that this area and the previously mentioned gold anomaly are approximately on line with a southerly projection of the Berth Vein(s).

Arsenic geochemistry reveals a number of widespread anomalies occurring within most lithologies. The most pronounced anomaly by far is situated just north of the baseline between 7+00W and 9+00W. Values range up to 455 ppm. This anomaly largely covers a roof pendant(?) of metasedimentary rocks surrounded by syenitic intrusives and is situated immediately north of a skarn zone. Completely enclosing the arsenic anomaly is a large zinc anomaly. Located within this area is a small, old, open cut that exposed zinc rich (9,359 ppm) quartz-carbonate veining and that returned gold and silver values of 0.279 and 3.34 oz/ton respectively. Several smaller arsenic anomalies are present such as at L-7+00W;2+75S where there is a coincidence with a gold and a substantial zinc anomaly. These coincident anomalies cover an area immediately east of a distinct sulphide rich zone.

Copper geochemistry reveals only a few anomalies usually associated with syenitic or metasedimentary rocks. The largest anomaly is situated in the Bertha grid at L-1S;10+00W and appears related to an area underlain by intrusive rocks and small pendants of metasediments and metavolcanics.

Zinc geochemistry reveals numerous and sometimes large anomalies which may be in part a function of the designated anomalous thresholds used. The largest anomaly is situated just south of the baseline between L-3+00W and L-7+50W. This anomaly is underlain by both intrusive types and a large roof pendant of metasedimentary rocks. A small arsenic anomaly is contained within this large anomaly. Two other anomalies of significance occur north and south of the western extremity of the large zinc anomaly. These anomalies are notable as they envelope substantial arsenic anomalies. The other zinc anomalies are smaller and of little or no significance.

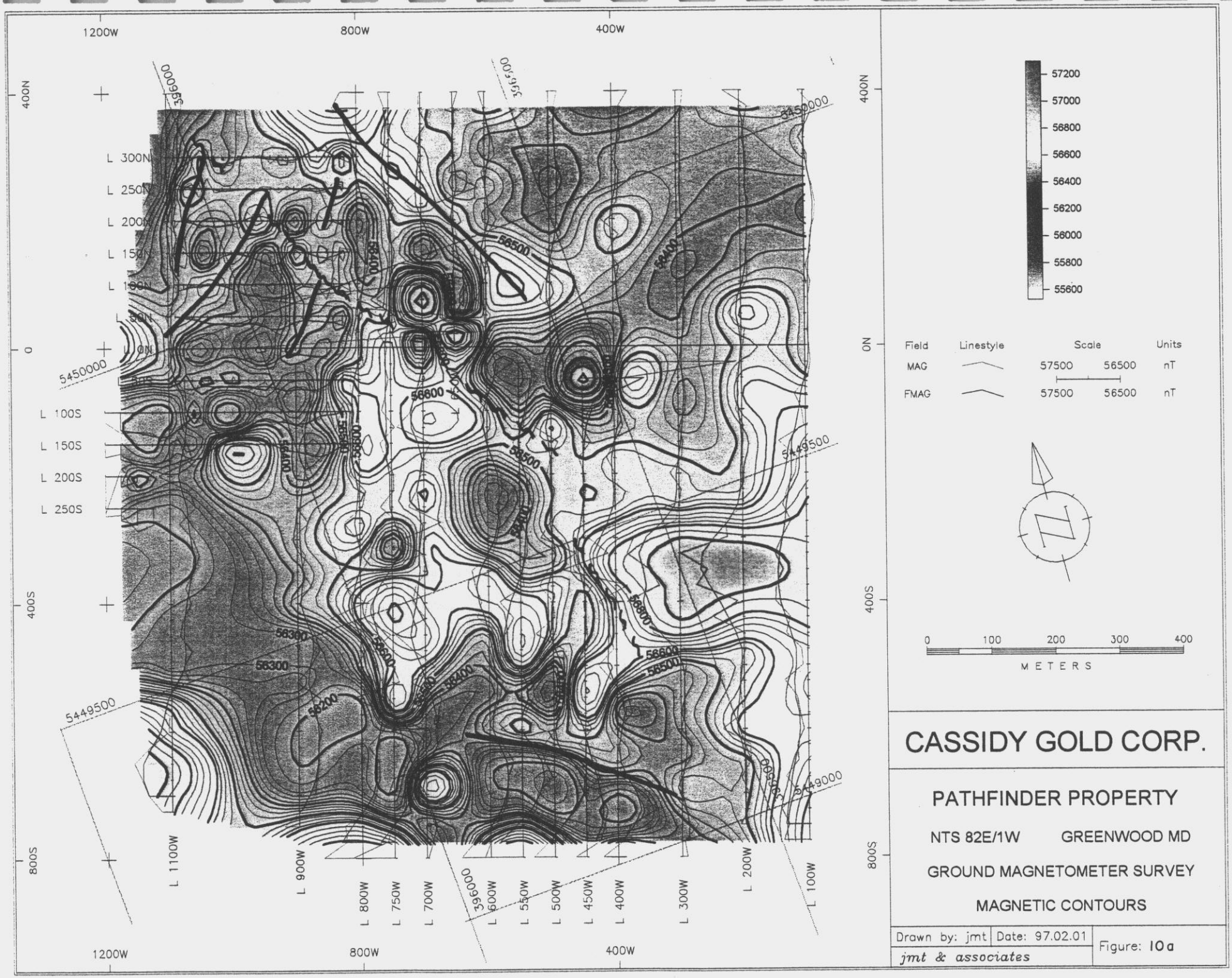
GEOPHYSICS

At the end of the 1996 exploration program a geophysical survey involving ground magnetometer and VLF-EM was carried out. Readings were taken over the entire grid by Mr. John Kemp. Field data was entered into a computer and interpreted and contoured by Mr. Jerry Thornton of JMT and Associates. A geophysical report is found in Appendix E with the raw and calculated data in Appendix F. Contoured magnetometer and VLF data is shown on Figures 10a and 11a in the text of the report and on Figures 10 and 11 (pocket).

The magnetic data reveals two primary structural trends, one northwesterly and the other north to northeast. Three weakly magnetic north to northeasterly trending structures within the Bertha grid are interpreted as "dyke like" features (Figure 10a). A northwest trending feature interpreted as a fault appears to interrupt these features. A very pronounced magnetic high along the north side of this fault lies within similarly trending metasedimentary rocks surrounded by intrusive rocks. This could represent skarn mineralization. The large coincident arsenic and zinc geochemical anomaly immediately west and downhill of the magnetic high makes this a target worthy of further investigation. Also potentially significant is that the northwest trending feature would appear to transect the southern extension of the Bertha Vein. This could offset the vein or potentially provide a locus of vein mineralization.

Another notable magnetic feature occurring at L-4+50W;0+50S is associated with the contact between metasediments and syenitic intrusive rocks. A northerly trending topographic linear (fault) intersects this magnetic low. No geochemical signature is associated with this anomaly, however this zone should be investigated for potential skarn mineralization. A broad magnetic high occurs between L-1+00W and L-4+00W and is centred around 3+50S. This area corresponds to a skarn zone (roof pendant?) within syenitic rocks. There is no significant geochemical signature for this anomaly.

The VLF survey identified conductive zones such as faults and shears rather than sulphide mineralization. A short conductor north of the baseline on L-7+00W is closely associated with the coincident strong magnetic and geochemical anomalies. Several conductors in the northeast and eastern portion of the grid occur in metasedimentary terrain and likely reflect the limonitic and finely pyritic rocks in the area. North to northeasterly trending conductors in the Bertha grid may coincide with the previously mentioned weakly magnetic zones. In the southwestern corner of the Bertha grid these conductors could reflect the mineralized zones that were the focus of mining exploration many years ago. The A-A' conductors (Figure 11a) transect a zone of skarn mineralization (L-8+00W) and the mineralized metasediment band (L-5+00W) south of the baseline suggesting that these features may not be a purely topographic effect.



CASSIDY GOLD CORP.

PATHFINDER PROPERTY

NTS 82E/1W GREENWOOD MD

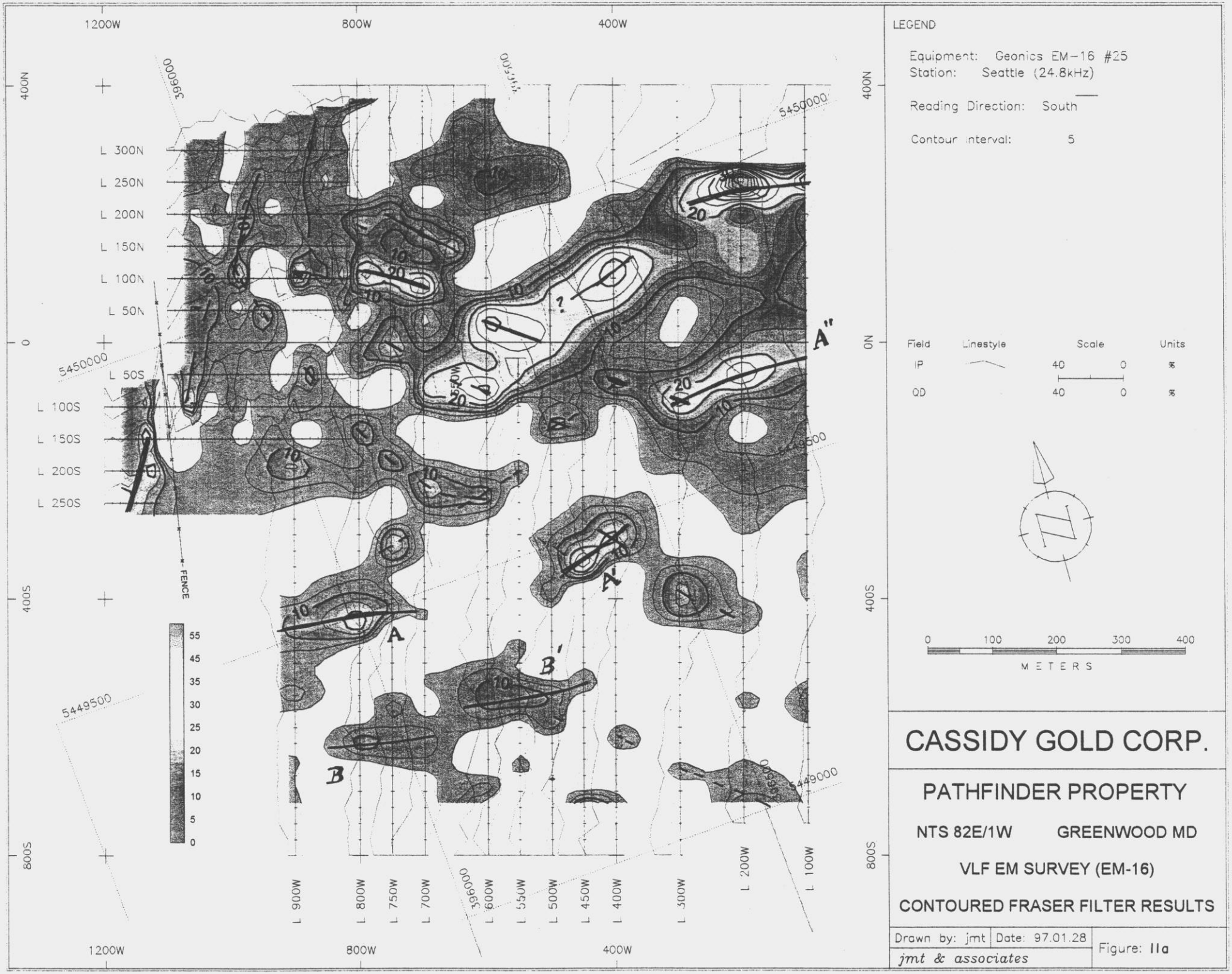
GROUND MAGNETOMETER SURVEY

MAGNETIC CONTOURS

Drawn by: jmt | Date: 97.02.01

jmt & associates

Figure: 10a



LEGEND

Equipment: Geonics EM-16 #25
Station: Seattle (24.8kHz)

Reading Direction: South

Contour interval: 5

Field	Linestyle	Scale	Units
IP		40 0	%
QD		40 0	%

N

0 100 200 300 400
METERS

CASSIDY GOLD CORP.

PATHFINDER PROPERTY

NTS 82E/1W GREENWOOD MD

VLF EM SURVEY (EM-16)

CONTOURED FRASER FILTER RESULTS

Drawn by: jmt	Date: 97.01.28	Figure: IIa
jmt & associates		

EXPLORATION POTENTIAL

The highly diverse geology and mineral environments on the Pathfinder property offer a number of good exploration targets. Potential targets include precious metal enriched massive sulphide, vein and skarn mineralization. It is still the writer's opinion that one of the best exploration targets for Cassidy Gold Corp. is in the Bertha Vein area and the skarn zones to the south. Strong coincident geochemical and geophysical targets above the Bertha Vein could reflect both a skarn and mesothermal vein target. Another exploration target is the gold mineralization associated with what appears to be a metasedimentary band or "roof pendant" within intrusive rocks. A third and potentially significant target is a zone of sulphide rich mineralization situated west-northwest of the mineralized roof pendant.

CONCLUSIONS AND RECOMMENDATIONS

Completion of the 1996 exploration program provided a much better understanding of the geology and mineral potential of an underexplored portion of the Pathfinder property. The program was successful in delineating several distinct areas of skarn mineralization. Geochemical sampling and mapping also revealed a gold mineralized zone in metasediments as well as a previously undocumented sulphide rich zone well removed from the known Diamond Hitch and Pathfinder Zones.

It is therefore recommended that exploration continue on the property with a focus on the above targets. Several old roads should be re-established to allow access to the known target areas. A minimum two phase program of trenching and drilling should be conducted initially to delineate the Bertha Vein and subsequently to test the known and inferred skarn zones as well as the gold bearing metasedimentary zone.

Respectfully submitted,

Warner Gruenwald, B. Sc., F.G.A.C.
March 10, 1997

APPENDIX A

ROCK SAMPLE DESCRIPTIONS

Sample	Description	Au ppb	Ag ppm	As ppm	Cu ppm	Pb ppm	Zn ppm
0+60W;3+53S	Pale green, fine grained ***feldspar porphyritic flow***; phenocrysts of plagioclase and quartz. Limonitic fractures and open space linings; 5% biotite, ½-1% rusty pyrite. Non magnetic. Similar to 1+00W;2+25S.			Not sampled			
0+70W;4+00S	Grey, fine grained biotite ***diorite***. Weak but pervasive epidote-chlorite alteration. Trace-½% pyrite. Moderately magnetic.			Not sampled			
1+00W;1+20S	Dark green, fine grained, dense ***mafic porphyritic dyke***. Non magnetic. Trace pyrite.			Not sampled			
1+00W;2+25S	Buff, fine grained, ***feldspar-quartz porphyry***. Possibly a flow. High Kspar content in matrix (stained). Euhedral plagioclase phenocrysts and rounded "quartz eye" phenocrysts. Mafic minerals (≤10%) are predominantly chloritic mica. Non magnetic			Not sampled			
1+00W;5+03S	Pale green-grey, fine grained ***syenite***. 5-10% clots of fine grained mafics (chlorite?) and ~1% fine grained magnetite. Trace pyrite.			Not sampled			
1+60W;2+30S	Pale grey, very limonitic, fractured ***siliceous intrusive*** (or metasediment)? Contains abundant disseminated pyrite (5-7%). Weakly calcareous, non magnetic.	40	1.2	<5	**495**	6	19
2+80W;3+29S	Green to pinkish, coarse grained, ***quartz monzonite*** (syenite); high Kspar content (stained). Pervasive epidote alteration along with lesser actinolite. Trace pyrite.	5	<0.2	<5	6	6	26
2+96W;3+70N	Green-red, massive ***skarn***. Pale green diopside, calcite and large patches of dark red garnet. Minor pyrite, pyrrhotite (~½%). Non magnetic.	5	<0.2	10	6	4	105
2+98W;3+22N	Pale brown, limonitic, fine grained ***quartz monzonite***. Minor mafic content. Non magnetic.			Not sampled			
3+95W;6+83S	Limonitic fractured, fine grained ***metasediment***. Trace pyrite.	60	<0.2	<5	136	<2	9
4+05W;3+50S	Limonitic, fined grained, possibly siliceous ***metasediment***. Disseminated fine grained pyrrhotite and lesser pyrite (75%). Weak carbonate. Very weakly magnetic.	**260**	<0.2	<5	182	8	24
4+50W;3+22S	Dark green, medium grained, porphyritic gabbro(?). Disseminated pyrrhotite, pyrite, magnetite (2-3%). Weakly magnetic. Pervasive chloritic alteration. Similar to 5+50W;4+00S.			Not sampled			
5+20W;3+29S	Pale grey, limonitic metasediment (***quartzite***). Disseminated pyrite, pyrrhotite (2-5%) associated with narrow intrusive dykelets? Pyrite also seen as fracture fillings. Non calcareous, very weakly magnetic.	**215**	<0.2	<5	157	8	31
5+68W;0+05N	Limonitic, fractured, quartzose, weakly bedded ***metasediment*** (dirty quartzite); non calcareous. Non magnetic. ½ - 1% pyrite. Gypsum on fractures.	5	<0.2	<5	67	14	72
6+00W;3+25S	Very limonitic, well fractured, fine grained siliceous ***metasediment*** (quartzite). Non calcareous.	**375**	0.8	10	85	14	76
6+90W;4+30S	***Intrusive breccia***. Sub rounded, mafic rich clots in grey quartz diorite host. Non magnetic.			Not sampled			
7+40W;3+68S	Pale green-grey feldspar porphyritic dyke(?) Chlorite alteration of mafic minerals. Quartz deficient. Rock is possibly a syenitic dyke. Non magnetic. Trace pyrite.			Not sampled			

Sample	Description	Au ppb	Ag ppm	As ppm	Cu ppm	Pb ppm	Zn ppm
7+50W;1+70S	Pinkish-grey, massive ***syenite porphyry***. Feldspar phenocrysts (up to 0.5 cm) in fine grained groundmass. Quartz deficient, low mafic content - most are altered to biotite/chlorite. Weakly magnetic. Trace pyrite. Similar to 9+05W;1+00N	Not sampled					
7+50W;2+17S	Pale green, very limonitic, well fractured, fine grained ***siliceous dyke (alaskite***?). Low mafic content. Trace pyrite.	5	<0.2	<5	33	8	4
8+00W;4+00S	Pale green, dense, calc-silicate ***hornfels (skarn***?). Occasional large clots of dark green augite, ½-1% disseminated grains of magnetite.	Not sampled					
8+05W;5+20S	Dark green, altered ***gabbro***(?) Weak to moderate carbonate-chlorite alteration. Weakly magnetic. All mafic minerals altered. Similar to 7W;2+50S	Not sampled					
8+24W;1+00S	Green, massive ***skarn rock***. Weakly calcareous. Quite magnetic - 3-5% magnetite as clots and disseminations. 1-2% pyrite. Rock comprised mainly of plagioclase, quartz, diopside(?), actinolite, calcite, chlorite and epidote. Similar to 8+00W;BL	Not sampled					
8+35W;2+35N	***Diorite porphyry***; 40% feldspar phenocrysts; alteration of mafic minerals. Non magnetic.	Not sampled					
10+10W;0+88N	Pyritic ***quartz diorite***; 10%+ pyrite, pyrrhotite, weak to moderately magnetic.	**420**	0.6	<5	<1	<2	<1
10+60W;0+44S	Pale green feldspar porphyry (***syenite***); plagioclase phenocrysts to 0.5 cm in Kspar rich matrix (stained). Quartz poor (<10%).	Not sampled					
11+80W;1+93S	Milky, fractured ***quartz vein*** with minor calcite. Local patches of pyrite, galena, sphalerite.	**>1000**	**15.0**	25	69	240	434
PWR-3	***Quartz vein breccia zone***, bleached, angular rock fragments in vein, occasional quartz lined vugs. Trace pyrite. No carbonate.	10	<0.2	5	5	10	4
PWR-3 (HW)	Hanging wall of PWR-3. Green, fine grained dense calcareous ***skarn rock***. Possible endoskarn resulting from skarnification of diorite. Weakly magnetic.	10	<0.2	5	5	10	4
PWR-4	Pale green, quartz stockwork veined, fine grained intrusive (***diorite***?).	25	<0.2	25	7	6	18
PWR-7	Grey, limonitic, bedded, fine grained siliceous ***metasediment***. Disseminations and thin stringers of fine grained pyrite (2-3%). Non calcareous.	5	<0.2	15	92	4	29
PWR-8	***Massive sulphide*** zone. Consists of fine grained pyrrhotite, pyrite, magnetite and trace chalcopyrite. Gangue consists of quartz and augite. Rock is quite magnetic.	**135**	2.6	<5	**2596**	2	24
	PETROGRAPHIC SAMPLES (see Appendix B)						
5+50W;4+00S	***Porphyritic Gabbro***.	Not sampled					
7+00W;2+50S	***Porphyritic Gabbro/Diorite***.	Not sampled					
PWR-1	***Granodiorite Porphyry***.	**790**	**10.4**	<5	21	50	56
9+05W;1+00N	***Porphyritic Syenite***.	Not sampled					
3+00W;2+72N	***Porphyritic Quartz Monzonite***.	Not sampled					
PWR-5	***Skarn*** - highly anomalous tungsten (**480 ppm**).	5	<0.2	<5	3	4	35
8+00W;BL	***Skarn***.	5	0.2	<5	85	6	29

APPENDIX B

PETROGRAPHIC DESCRIPTIONS

Vancouver Petrographics Ltd.

8080 GLOVER ROAD, LANGLEY, B.C. V3A 4P9
PHONE (604) 888-1323 • FAX (604) 888-3642

Report # 970022 for:

Warner Gruenwald,
Geoquest Consulting Ltd.,
8055 Aspen Road,
Vernon, B.C., V1B 3M9

January. 1997

Project: **56 (Pathfinder Property)**

Samples: **BL. 8+00W; 3W, 2+72N; 7W, 2+50S; 4S, 5+50W; 1N, 9+05W; PWR-1; PWR-5**

Summary:

The samples are from a hypabyssal environment and include a variety of porphyritic intrusive rocks and two samples of metamorphic to metasomatic rocks, one an epidote-diopside-quartz skarn, and the other a plagioclase-augite contact metamorphic rock (skarn).

Many hypabyssal intrusive rocks are of an alkali gabbro association (Coryell Intrusions), which ranges from alkali gabbro to clinopyroxene-bearing granodiorite and hornblende syenite. One hypabyssal intrusive rock is a leucocratic granodiorite from a calc-alkalic association (Nelson Batholith).

A1: Alkali Series: Gabbro to Clinopyroxene Granodiorite (Coryell Intrusions)

Sample 4+00S, 5+50W is a hypabyssal, porphyritic gabbro containing phenocrysts of clinopyroxene and plagioclase in a fine to very fine grained groundmass dominated by plagioclase with lesser patches of chlorite and minor biotite, magnetite, quartz, and K-feldspar. Clinopyroxene is altered strongly to completely to calcite-(chlorite) or calcite-chalcedony. Plagioclase is altered slightly to moderately to biotite-chlorite-calcite-dusty opaque. A vein of calcite has a thin border zone of chlorite.

Sample 7W, 2+50 S is a hypabyssal, porphyritic alkali gabbro/diorite containing phenocrysts of plagioclase, clinopyroxene and hornblende(?)in a groundmass dominated by plagioclase with lesser K-feldspar, and minor interstitial patches of chlorite and quartz, and disseminated grains of biotite, magnetite, and apatite. Plagioclase is altered slightly to sericite, clinopyroxene and biotite are fresh, and hornblende is altered completely to chlorite-calcite.

Sample PWR-1 is a hypabyssal granodiorite porphyry containing phenocrysts of K-feldspar and plagioclase and minor ones of clinopyroxene in a fine to medium grained groundmass dominated by K-feldspar, plagioclase, and quartz with moderately abundant hornblende, and less abundant clinopyroxene, magnetite, and sphene. Plagioclase is altered slightly to sericite and minor epidote. Clinopyroxene has overgrowths of hornblende and is replaced strongly by calcite-(chlorite). Veinlets are of calcite-chlorite-(K-feldspar) and of calcite.

A2: Porphyritic Syenite (finer grained variety of Coryell Intrusions)

Sample 1+00N, 9+05W is a hypabyssal porphyritic syenite containing phenocrysts of plagioclase rimmed by K-feldspar and less abundant ones of hornblende in a groundmass dominated by K-feldspar with much less abundant interstitial grains of quartz, biotite, magnetite, and apatite, and patches of chlorite. Hornblende is replaced completely by chlorite-calcite-quartz, and most grains contain an inclusion of apatite. Biotite is replaced completely by chlorite-(muscovite) and lenses of Ti-oxide. A veinlet is of calcite.

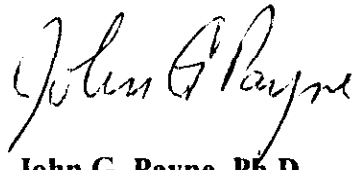
B: Calc-alkalic Series - Leucocratic (Biotite) Quartz Monzonite (Nelson Batholith)

Sample 3W, 2+72N is a slightly porphyritic leucocratic quartz monzonite containing minor phenocrysts of plagioclase in a groundmass of fine to medium grained K-feldspar, quartz, and plagioclase, with minor biotite, leucoxene, and clusters of euhedral pyrite. Plagioclase phenocrysts are altered strongly to sericite, and groundmass plagioclase is altered slightly to sericite. Biotite is altered variably; a few grains are fresh, a few are replaced completely by chlorite, and many are replaced completely by muscovite.. Pyrite is replaced strongly to completely by hematite. A patch of hornblende(?)-leucoxene-apatite may be an exotic fragment; hornblende was replaced completely by biotite(?)-quartz.

C: Contact Metamorphic Rocks (Skarn)

Sample PWR-5 is a fine to medium and locally coarse grained skarn dominated by epidote with less abundant diopside and quartz, and minor actinolite, sphene, apatite, and garnet. A veinlet is of calcite.

Sample B/L, 8+00W is a slightly banded contact metamorphic rock, dominated by medium to very coarse grained plagioclase and very fine grained patches of augite, with less abundant interstitial patches of quartz and disseminated grains and clusters of pyrite. One band up to 5 mm wide is dominated by quartz with less abundant plagioclase and augite. A vein is of quartz-plagioclase. A few veinlets are of calcite and a few are of epidote.



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Sample 4+00S, 5+50W **Hypabyssal, Porphyritic Gabbro; Phenocrysts of Clinopyroxene, Plagioclase; Vein of Calcite-(Chlorite)**

Phenocrysts of clinopyroxene and plagioclase are set in a fine to very fine grained groundmass dominated by plagioclase with lesser patches of chlorite and minor biotite, magnetite, quartz, and K-feldspar. Clinopyroxene is altered strongly to completely to calcite-(chlorite) or calcite-chalcedony. Plagioclase is altered slightly to moderately to biotite-chlorite-calcite-dusty opaque. A vein is of calcite with a thin border zone of chlorite.

phenocrysts			
clinopyroxene	15-17%		
plagioclase	8-10		
groundmass			
plagioclase	50-55	magnetite	1%
clinopyroxene	5- 7	quartz	0.5
chlorite	7- 8	K-feldspar	0.3
biotite	2- 3	apatite	0.3

Clinopyroxene forms subhedral to euhedral phenocrysts averaging 1-2 mm in size and a few up to 3.5 mm across. A few are fractured strongly and replaced strongly along fractures by calcite and minor chlorite. Many are altered completely to strongly interlocking very fine grains of calcite and minor to moderately abundant patches of extremely fine grained chlorite. A few contain a subhedral to euhedral, stubby prismatic grain of apatite from 0.1-0.2 mm long. One phenocryst 2 mm across has a thin outer zone of extremely fine grained calcite enclosing a zone of cryptocrystalline to extremely fine grained chalcedony(?) containing moderately abundant dusty inclusions. A few others are of patchy intergrowths of chalcedony and calcite.

Plagioclase forms subhedral to euhedral, prismatic phenocrysts averaging 1-1.7 mm long. Alteration is slight to moderate to cryptocrystalline biotite, dusty opaque, and extremely fine grained calcite.

In the groundmass, plagioclase forms subhedral prismatic grains averaging 0.3-0.7 mm in size. These are relatively fresh.

Chlorite forms abundant interstitial patches averaging 0.1-0.3 mm in size of extremely fine grained, pale to light green flakes.

Biotite forms disseminated flakes averaging 0.3-0.5 mm in length and a few up to 0.8 mm long. Equant cross sections average 0.05-0.1 mm across. Pleochroism is from light to dark brown.

Magnetite forms disseminated, equant grains averaging 0.05-0.1 mm in size and a few patches up to 0.3 mm across.

Quartz and K-feldspar each form minor interstitial grains averaging 0.05-0.2 mm in size.

Apatite forms disseminated, euhedral, prismatic grains averaging 0.1-0.15 mm long and moderately abundant acicular grains averaging 0.1-0.2 mm long.

A vein 0.6 mm wide is dominated by cryptocrystalline carbonate with moderately abundant patches of very fine grained quartz. It has a thin border zone of extremely fine grained chlorite.

Sample 7W, 2+50 S **Hypabyssal, Porphyritic Alkali Gabbro/Diorite; Phenocrysts of Clinopyroxene, Plagioclase, Hornblende(?)**

Phenocrysts of plagioclase, clinopyroxene and hornblende(?) are set in a groundmass dominated by plagioclase with lesser K-feldspar, and minor interstitial patches of chlorite and quartz, and disseminated grains of biotite, magnetite, and apatite. Plagioclase is altered slightly to sericite, clinopyroxene and biotite are fresh, and hornblende is altered completely to chlorite-calcite.

phenocrysts			
clinopyroxene	8-10%		
plagioclase	7- 8		
hornblende(?)	7- 8		
groundmass			
plagioclase	40-45	quartz	2%
K-feldspar	15-17	magnetite	1-1.5
clinopyroxene	5- 7	apatite	1
chlorite	4- 5	ilmenite	minor
biotite	2		

Plagioclase forms subhedral to euhedral prismatic phenocrysts averaging 0.8-1.7 mm long and a few from 2.5-5 mm long. Alteration is slight to moderate to cryptocrystalline sericite.

Clinopyroxene forms anhedral to subhedral phenocrysts averaging 0.7-1.5 mm in size and a few up to 2 mm across. These grade down to finer grains in the groundmass averaging 0.3-0.7 mm in size. Most grains are fresh, and some are fractured moderately.

Hornblende(?) or clinopyroxene forms subhedral prismatic phenocrysts averaging 1-1.3 mm in size and two from 3-5 mm across. Alteration is complete to extremely fine grained chlorite and patches of calcite. The largest two grains contain a few anhedral grains from 0.05-0.3 mm in size of clinopyroxene.

In the groundmass, plagioclase forms anhedral to subhedral, prismatic to equant grains averaging 0.2-0.7 mm in size. K-feldspar forms anhedral to subhedral grains averaging 0.2-0.3 mm in size, in part intergrown with interstitial patches of quartz..

Chlorite forms disseminated patches averaging 0.2-0.5 mm in size of unoriented, extremely fine grains with a pale to light green pleochroism.

Biotite forms slender flakes averaging 0.2-0.5 mm long and a few from 0.5- 0.9 mm long. Pleochroism is from light to dark brown.

Quartz forms interstitial grains averaging 0.07-0.15 mm in size.

Magnetite forms disseminated anhedral to subhedral grains averaging 0.05-0.1 mm in size.

Apatite forms subhedral to euhedral prismatic grains averaging 0.15-0.3 mm long and a few up to 0.6 mm long. It also forms abundant acicular grains averaging 0.1-0.2 mm in size with a few up to 0.5 mm long.

Ilmenite forms a few elongate, tabular grains averaging 0.15 mm long.

Sample PWR-1 **Hypabyssal Granodiorite Porphyry;**
Phenocrysts of K-feldspar, Plagioclase, (Clinopyroxene);
Veinlets of Calcite-Chlorite-(K-feldspar) and Calcite

Phenocrysts of K-feldspar and plagioclase and minor ones of clinopyroxene are set in a fine to medium grained groundmass dominated by K-feldspar, plagioclase, and quartz with moderately abundant hornblende, and less abundant clinopyroxene, magnetite, and sphene. Plagioclase is altered slightly to sericite and minor epidote. Clinopyroxene has overgrowths of hornblende and is replaced strongly by calcite-(chlorite). Veinlets are of calcite-chlorite-(K-feldspar) and of calcite.

phenocrysts					
K-feldspar	35-40%	plagioclase	10-12%	clinopyroxene	2%
groundmass					
K-feldspar	15-17	hornblende	4- 5	sphene	0.5-1
plagioclase	15-17	magnetite	2	apatite	minor
quartz	4- 5	clinopyroxene	1- 2	zircon	minor
veinlets					
calcite-chlorite-(K-feldspar)		1	calcite	0.5	

K-feldspar forms anhedral phenocrysts averaging 2-5 mm in size and a few up to 8 mm in size. These grade downwards in size to groundmass K-feldspar. Some contain irregular, exsolution patches of sodic plagioclase.

Plagioclase forms subhedral prismatic grains averaging 1.5-2 mm in size and one 6 mm long. A few contain moderate compositional growth zones. Alteration is slight to cryptocrystalline sericite and dusty hematite. Epidote forms a few irregular to skeletal, very fine grained patches and one interstitial grain 0.5 mm long.

Clinopyroxene forms a few anhedral to subhedral grains averaging 0.7-1.2 mm in size. Grains are fractured strongly and replaced by extremely fine grained to cryptocrystalline calcite and minor chlorite. Some grains have patchy overgrowths up to 0.2 mm in size of actinolite.

In the groundmass, K-feldspar forms anhedral grains averaging 0.3-1 mm in size.

Plagioclase forms anhedral grains averaging 0.3-0.7 mm in size. Several contain myrmekitic inclusions of quartz near borders of K-feldspar grains. Alteration is as in the phenocrysts.

Quartz forms patches up to 1.5 mm in size of grains averaging 0.2-0.7 mm in size. Many grains are strained slightly.

Clinopyroxene forms anhedral to subhedral grains averaging 0.3-0.8 mm in size, which are gradation in texture to, and have similar alteration as clinopyroxene phenocrysts..

Hornblende forms anhedral, commonly ragged grains averaging 0.3-0.7 mm in size. Several skeletal grains from 0.7-1.5 mm across are intergrown with groundmass K-feldspar. Pleochroism is from light to medium green. Some grains are altered slightly to moderately to extremely fine grained calcite and chlorite.

Magnetite forms anhedral, equant grains averaging 0.1-0.3 mm in size and a few clusters up to 1 mm long of anhedral grains averaging 0.1-0.5 mm in size. Sphene forms anhedral to euhedral grains averaging 0.1-0.3 mm long and a few up to 0.6 mm long. Apatite forms anhedral to subhedral grains averaging 0.03-0.15 mm in size. Zircon forms anhedral to subhedral, equant grains averaging 0.05 mm in size and a few up to 0.1 mm long, commonly associated with magnetite.

A few veinlets up to 0.1 mm wide are of very fine grained calcite. A few veinlets from 0.1-0.25 mm wide are of similar calcite, patches of cryptocrystalline chlorite, and patches of extremely fine grained K-feldspar.

Sample 1+00N, 9+05W **Hypabyssal Porphyritic Syenite: Phenocrysts of Plagioclase/K-feldspar, Hornblende, Propylitic Alteration; Veinlet of Calcite**

Phenocrysts of plagioclase rimmed by K-feldspar and less abundant ones of hornblende are set in a groundmass dominated by K-feldspar with much less abundant interstitial grains of quartz, biotite, magnetite, and apatite, and patches of chlorite. Hornblende is replaced completely by chlorite-calcite-quartz, and most grains contain an inclusion of apatite. Biotite is replaced completely by chlorite-(muscovite) and lenses of Ti-oxide. A veinlet is of calcite.

phenocrysts			
plagioclase cores	8-10%	hornblende	5- 7%
K-feldspar rims	8-10		
groundmass			
K-feldspar	63-68	apatite	0.5
chlorite	3- 4	leucoxene	0.4
quartz	2- 3	calcite	0.3
biotite	2- 3	zircon	trace
magnetite	1		

Plagioclase forms subhedral to euhedral, prismatic phenocrysts averaging 1-2.5 mm in length and a few up to 3.5 mm long. Most have an overgrowth averaging 0.05-0.2 mm wide of K-feldspar in optical continuity with the core. At the ends of some of the phenocrysts, these overgrowths are up to 0.8 mm thick. Plagioclase is altered slightly to moderately to extremely fine grained sericite and minor to moderately abundant ragged patches of ankerite up to 0.1 mm in size. Some grains also are replaced slightly by disseminated, extremely fine patches of K-feldspar. The overgrowths are replaced slightly to moderately by extremely fine patches of chlorite and slightly to dusty hematite patches.

Hornblende forms subhedral, stubby prismatic phenocrysts up to 1.3 mm long and a few up to 2.5 mm long. Alteration is complete to patches of extremely fine grained chlorite and very fine grained quartz and calcite. Many grains contain inclusions of apatite up to 0.15 mm in size.

In the groundmass, K-feldspar forms anhedral grains averaging 0.2-0.5 mm in size. It contains moderately abundant dusty hematite grains, which give the mineral a light brown colour in thin section.

Quartz forms interstitial grains averaging 0.1-0.2 mm in size. A few patches up to 0.15 mm in size are of extremely fine, graphic intergrowths of K-feldspar and quartz.

Biotite forms ragged, slender flakes averaging 0.15-0.3 mm long and a few extremely slender grains from 1-2 mm long. Alteration is strong to complete to pseudomorphic chlorite and minor muscovite and moderately abundant lenses of Ti-oxide.

Chlorite forms interstitial patches averaging 0.1-0.3 mm in size of unoriented, interlocking, extremely fine grains.

Magnetite forms disseminated, anhedral to euhedral, equant grains averaging 0.07-0.2 mm in size and one rounded grain 0.3 mm across. Apatite forms a few euhedral prismatic grains averaging 0.3-0.4 mm long and a few anhedral grains up to 0.2 mm across. It also occurs in the groundmass as moderately abundant acicular grains averaging 0.1-0.15 mm long. Calcite forms interstitial grains averaging 0.1-0.2 mm in size. Leucoxene forms elongate patches averaging 0.1-0.15 mm in length and a few up to 0.3 mm long of cryptocrystalline aggregates. Rutile forms a few acicular grains up to 0.1 mm long. Zircon forms a few euhedral prismatic grains up to 0.05 mm in size.

A few discontinuous veinlets from 0.01-0.1 mm wide are of very fine grained calcite.

Sample 3W, 2+72N **Slightly Porphyritic Leucocratic Quartz Monzonite; Minor Plagioclase Phenocrysts**

Minor phenocrysts of plagioclase are set in a groundmass of fine to medium grained K-feldspar, quartz, and plagioclase, with minor biotite, leucoxene, and clusters of euhedral pyrite. Plagioclase phenocrysts are altered strongly to sericite, and groundmass plagioclase is altered slightly to sericite. Biotite is altered variably; a few grains are fresh, a few are replaced completely by chlorite, and many are replaced completely by muscovite. Pyrite is replaced strongly to completely by hematite. A patch of hornblende(?)-leucoxene-apatite may be an exotic fragment; hornblende was replaced completely by biotite(?)-quartz.

phenocrysts					
plagioclase	2- 3%				
groundmass					
K-feldspar	30-35	biotite	0.5%	apatite	0.1%
quartz	30-35	leucoxene	0.3	zircon	0.1
plagioclase	25-30	pyrite	0.3		
fragment					
hornblende-leucoxene-apatite	1				
veinlets					
limonite	*minor*				

Plagioclase forms minor anhedral to subhedral, prismatic phenocrysts up to 4 mm long. Alteration is moderate to very strong to cryptocrystalline to extremely fine grained sericite.

A mafic cluster 2 mm across may have been originally dominated by hornblende, and may be an exotic inclusion. It is replaced completely by cryptocrystalline biotite(?), which is in part pseudomorphic and in part massive, intergrown with patches of very fine grained quartz. The patch contains a few subhedral to euhedral inclusions of apatite averaging 0.05-0.08 mm in size, and a few ragged patches up to 0.6 mm in size of cryptocrystalline leucoxene.

In the groundmass, K-feldspar forms anhedral grains averaging 0.5-1 mm in size. A few contain minor exsolution lenses of sodic plagioclase. A few coarser grains up to 2 mm across are intergrown slightly to moderately with rounded quartz grains in textures which grade towards graphic intergrowths.

Plagioclase forms anhedral grains averaging 0.3-0.8 mm in size and a few up to 1.3 mm in size. Alteration is slight to moderate to cryptocrystalline sericite. A few grains contain minor myrmekitic intergrowths of quartz adjacent to K-feldspar grains.

Quartz forms anhedral grains averaging 0.3-0.8 mm in size and a few up to 1.7 mm across. Many coarser grains are strained slightly to moderately.

Biotite forms flakes averaging 0.2-0.6 mm long. A few grains in one corner of the section are relatively fresh, with pleochroism from light to dark brown. In many grains, alteration is complete to pseudomorphic muscovite with lenses of Ti-oxide. In a few grains, alteration is strong to pseudomorphic, medium green chlorite with minor lenses of Ti-oxide.

Pyrite forms disseminated grains and clusters of subhedral to euhedral, cubic grains averaging 0.05-0.2 mm in size. Alteration is strong to complete to deep red brown hematite.

Leucoxene forms ragged patches up to 0.2 mm in size, commonly associated with patches of biotite. Apatite forms subhedral prismatic grains up to 0.1 mm long. Zircon forms disseminated, euhedral, prismatic grains up to 0.05 mm long and one euhedral, prismatic grain 0.4 mm long (in a plagioclase phenocryst).

A wispy veinlet is of dark brown limonite.

Sample PWR-5 Epidote-Diopside-Quartz Skarn; Calcite Veinlet

The sample is a fine to medium and locally coarse grained skarn dominated by epidote with less abundant diopside and quartz, and minor actinolite, sphene, apatite, and garnet. A veinlet is of calcite.

epidote	70-75%	actinolite	0.4%
diopside	17-20	apatite	0.1
quartz	8-10	garnet	minor
sphene	0.5	opaque	trace
veinlet			
calcite	0.3		

Epidote form anhedral grains averaging 1-1.5 mm in size and a few up to 2 mm across; some coarser grains are interstitial to patches of diopside.

Diopside forms anhedral grains averaging 0.08-0.5 mm in size. It is concentrated moderately in clusters up to 2 mm across and one patch several mm across of equant grains.

Quartz forms interstitial patches of anhedral grains averaging 0.3-0.5 mm in size, with a few grains from 0.7-1 mm across.

Actinolite forms prismatic grains averaging 0.15-0.3 mm long. Pleochroism is from light to medium green.

Sphene form anhedral grains averaging 0.05-0.1 mm in size and a few subhedral to euhedral, wedge-shaped grains up to 0.3 mm long.

Garnet is concentrated in a few patches up to 1 mm in size as anhedral grains averaging 0.05-0.2 mm in size intergrown with interstitial patches of epidote. Garnet has a bright orange colour, suggesting a high iron content.

Apatite forms anhedral grains averaging 0.1-0.2 mm in size and a few up to 0.3 mm across.

Opaque (altered in part to red-brown hematite) forms disseminated, irregular grains averaging 0.02-0.05 mm in size.

One patch 0.45 mm across contains abundant dusty opaque of uncertain composition. A few patches up to 0.1 mm in size have a moderate stain of orange-brown limonite.

A veinlet from 0.02-0.06 mm wide is of very fine grained calcite.

Sample B/L, 8+00W Contact Metamorphic Rock
Plagioclase-Augite-Quartz-(Chlorite-Pyrite-Magnetite)
Vein of Quartz-Plagioclase; Veinlets of Calcite and Epidote

The rock is a slightly banded contact metamorphic rock, dominated by medium to very coarse grained plagioclase and very fine grained patches of augite, with less abundant interstitial patches of quartz and disseminated grains and clusters of pyrite. One band up to 5 mm wide is dominated by quartz with less abundant plagioclase and augite. A vein is of quartz-plagioclase. A few veinlets are of calcite and a few are of epidote.

plagioclase	70-75%	actinolite	1%
augite	15-17	magnetite	1
quartz	5- 7	apatite	0.1
chlorite	1- 2	epidote	minor
pyrite	1- 2	sphene	trace
vein, veinlets			
quartz-plagioclase	2- 3	epidote	0.1
calcite	0.5		

Plagioclase forms anhedral megacrysts from 1.5-3.5 mm in size and anhedral grains averaging 0.2-0.7 mm in size. Alteration is slight to moderate to patches of cryptocrystalline sericite.

Augite forms dense clusters of equant to stubby prismatic grains averaging 0.05-0.08 mm in size, and a few grains up to 0.2 mm long. Grains have a light to medium, apple green colour.

A few patches up to 1.5 mm in size of augite aggregates are replaced moderately by very fine grained actinolite with a light to medium green pleochroism.

Quartz is concentrated strongly in a few bands up to 5 mm wide as grains averaging 0.1-0.3 mm in size and a few megacrysts up to 2.2 mm across. These are intergrown with lesser very fine grained plagioclase and much less augite grains averaging 0.02-0.03 mm in size. Elsewhere in the rock, quartz is concentrated in patches up to a few mm in size of grains averaging 0.3-0.8 mm in size with a few grains up to 1.2 mm long. It also forms interstitial grains averaging 0.02-0.05 mm in size.

Chlorite forms interstitial patches averaging 0.2-0.4 mm in size and one 1 mm long of very fine grained flakes with a pale to light green pleochroism.

Pyrite forms disseminated grains averaging 0.05-0.1 mm in size and a few irregular lenses up to 1.7 mm long of anhedral grains of similar size. A few euhedral cubic grains are 0.03-0.1 mm across.

Magnetite forms disseminated grains averaging 0.05-0.2 mm in size. It is difficult in the thin section to distinguish whether many grains are magnetite or pyrite.

Apatite forms a few anhedral grains averaging 0.15-0.25 mm in size and irregular clusters and trains of anhedral grains averaging 0.02-0.05 mm in size intergrown with plagioclase.

Epidote forms irregular to subrounded to irregular patches up to 0.3 mm in size of single grains or aggregates of a few grains. Many of these contain inclusions of pyrite or chalcopyrite up to 0.08 mm in size. A few patches up to 1.5 mm in size contain abundant very fine grained epidote intergrown with lesser actinolite, quartz, and opaque.

Sphene forms a few patches up to 0.15 mm in size of equant grains averaging 0.01 mm in size.

A few veinlets averaging 0.05-0.12 mm wide are of very fine to fine grained calcite and lesser cryptocrystalline chlorite, with minor patches of extremely fine grained opaque (pyrite).

A vein 0.5-0.8 mm wide is of anhedral quartz grains averaging 0.3-0.5 mm in size intergrown with plagioclase grains of similar size.

One discontinuous veinlet 0.02-0.03 mm wide is of very fine grained epidote.

APPENDIX C

ANALYTICAL PROCEDURES

Eco-Tech
LABORATORIES LTD.

GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 2J3 Phone (604) 573-5700
Fax (604) 573-4557

Analytical Procedure Assessment Report

MULTI ELEMENT ICP ANALYSIS

Samples are catalogued and dried. Soil samples are screened to obtain a -80 mesh sample. Rock samples are 2 stage crushed to minus 10 mesh and pulverized on a ring mill pulverizer to minus 140 mesh, rolled and homogenized.

A 0.5 gram sample is digested with aqua regia which contain beryllium which acts as an internal standard. The sample is analyzed on a Jarrell Ash ICP unit.

Results are collated by computer and are printed along with accompanying quality control data (repeats and standards). Results are printed on a laser printer and are faxed and/or mailed to the client.

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GEOCHEMISTRY
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10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 2J3 Phone (604) 573-5700
Fax (604) 573-4557

Analytical Procedure Assessment Report

GEOCHEMICAL GOLD ANALYSIS

Samples are catalogued and dried. Soils are prepared by sieving through an 80 mesh screen to obtain a minus 80 mesh fraction. Rock samples are 2 stage crushed to minus 10 mesh and a 250 gram subsample is pulverized on a ring mill pulverizer to -140 mesh. The subsample is rolled, homogenized and bagged in a prenumbered bag.

The sample is weighed to 10 grams and fused along with proper fluxing materials. The bead is digested in aqua regia and analyzed on an atomic absorption instrument. Over-range values for rocks are re-analyzed using gold assay methods.

Appropriate reference materials accompany the samples through the process allowing for quality control assessment. Results are entered and printed along with quality control data (repeats and standards). The data is faxed and/or mailed to the client.

Eco-Tech
LABORATORIES LTD.

ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 6T4 Phone (604) 573-5700
Fax (604) 573-4557

Analytical Method Assessment for

GOLD ASSAY

Samples are sorted and dried (if necessary). The samples are crushed through a jaw crusher and cone or rolls crusher to -10 mesh. The sample is split through a Jones riffle until a -250 gram subsample is achieved. The subsample is pulverized in a ring & puck pulverizer to 95% -140 mesh. The sample is rolled to homogenize.

A 1/2 or 1.0 A.T. sample size is fire assayed using appropriate fluxes. The resultant dore bead is parted and then digested with aqua regia and then analyzed on a Perkin Elmer AA instrument.

Appropriate standards and repeat sample (Quality Control components) accompany the samples on the data sheet.

correspondence3/methodau.wpw

APPENDIX D

GEOCHEMICAL DATA

15-Nov-96

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

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

ICP CERTIFICATE OF ANALYSIS AK 96-1309

GEOQUEST CONSULTING LTD.
R.R.#3, SITE 11, COMP.180
VERNON, B.C.
V1T 6L6

ATTENTION: WARNER GRUENWALD

No. of samples received: 154
Sample type: SOIL
PROJECT #: PATHFINDER
SHIPMENT #: 2
Samples submitted by: JOHN KEMP

Values in ppm unless otherwise reported

Et #.	Tag#			Au (ppb)	Ag	As	Ba	Bi	Cd	Co	Cr	Cu	Fe %	Mo	Ni	Pb	Sb	W	Zn
1	L3S	8+25	W	<5	0.4	20	320	<5	<1	9	9	27	2.42	1	5	62	<5	<10	55
2	L3S	8+50	W	45	1.2	90	335	<5	2	20	25	89	5.90	7	32	56	<5	<10	273
3	L3S	8+75	W	<5	0.6	30	300	<5	<1	14	19	51	4.40	4	15	60	<5	<10	104
4	L3S	9+50	W	<5	0.4	30	300	<5	2	21	33	86	5.15	5	36	36	<5	<10	152
5	L3S	9+75	W	<5	<0.2	20	125	<5	<1	13	19	31	3.16	2	16	26	<5	<10	50
6	L3S	10+00	W	5	<0.2	10	175	<5	<1	14	32	29	3.35	2	21	26	<5	<10	81
7	L3S	10+25	W	<5	<0.2	10	145	<5	<1	11	24	16	2.88	1	13	24	<5	<10	65
8	L3S	10+50	W	<5	<0.2	5	100	<5	<1	12	23	20	2.99	2	14	24	<5	<10	64
9	L3S	10+75	W	30	0.2	10	130	<5	1	12	30	25	3.40	2	15	20	<5	<10	101
10	L1+00W	3+00	S	<5	<0.2	<5	120	<5	<1	13	23	22	3.03	1	13	34	<5	<10	63
11	L1+00W	3+25	S	<5	<0.2	<5	110	<5	1	13	26	19	3.19	3	14	28	10	<10	68
12	L1+00W	3+50	S	<5	<0.2	<5	70	<5	<1	11	21	38	2.82	<1	12	26	<5	<10	58
13	L1+00W	3+75	S	<5	<0.2	10	115	<5	<1	14	26	22	3.37	2	16	34	5	<10	72
14	L1+00W	4+00	S	<5	<0.2	10	110	<5	<1	14	23	30	3.46	1	14	30	<5	<10	69
15	L1+00W	4+25	S	<5	<0.2	10	120	<5	<1	12	22	24	3.04	1	13	26	<5	<10	67
16	L1+00W	4+50	S	<5	<0.2	<5	105	<5	<1	11	21	25	2.78	<1	13	24	<5	<10	60
17	L1+00W	4+75	S	<5	<0.2	10	120	<5	<1	12	26	15	3.22	2	14	26	<5	<10	74
18	L1+00N	5+00	S	<5	<0.2	<5	65	5	1	12	31	19	3.53	2	15	22	<5	<10	50
19	L06+50W	00+25	N	<5	<0.2	35	95	5	1	22	33	41	4.06	5	41	34	<5	<10	149
20	L06+50W	00+50	N	5	<0.2	20	265	<5	2	12	17	25	3.31	4	15	48	<5	<10	194
21	L06+50W	00+75	N	<5	<0.2	15	265	<5	1	8	10	24	1.97	1	8	24	<5	<10	146
22	L06+50W	01+00	N	<5	<0.2	15	85	10	1	12	23	15	3.60	3	16	44	10	<10	92
23	L06+50W	01+25	N	<5	<0.2	20	205	<5	<1	13	22	26	3.28	1	16	42	<5	<10	127
24	L06+50W	01+50	N	<5	0.4	25	95	<5	2	18	29	30	3.76	3	27	48	<5	<10	111
25	L06+50W	01+75	N	5	<0.2	15	180	<5	<1	12	16	24	2.93	<1	14	44	<5	<10	117

Et #.	Tag#			Au (ppb)	Ag	As	Ba	Bi	Cd	Co	Cr	Cu	Fe %	Mo	Ni	Pb	Sb	W	Zn
26	L06+50W	2+00	N	<5	<0.2	20	125	<5	3	25	31	113	7.24	15	87	34	<5	<10	270
27	L06+50W	02+25	N	<5	<0.2	10	110	<5	<1	13	22	21	3.19	2	35	26	<5	<10	97
28	L06+50W	02+50	N	<5	0.2	30	100	<5	2	39	24	81	7.14	11	110	26	<5	<10	401
29	L06+50W	02+75	N	10	<0.2	10	105	<5	1	14	21	23	3.42	2	20	28	<5	<10	225
30	L06+50W	03+00	N	<5	<0.2	20	105	5	1	15	18	37	3.48	2	39	32	<5	<10	259
31	L06+50W	03+25	N	<5	<0.2	10	115	5	<1	9	18	14	2.38	<1	13	34	<5	<10	119
32	L06+50W	03+50	N	<5	<0.2	35	100	<5	1	41	41	68	5.20	4	72	34	<5	<10	263
33	L06+50W	03+75	N	5	<0.2	20	115	<5	3	32	51	63	5.16	6	69	32	20	<10	272
34	L06+50W	04+00	N	<5	1.0	35	85	<5	2	22	22	48	3.86	4	58	36	<5	<10	177
35	L04+50W	03+00	S	<5	<0.2	10	125	<5	<1	23	38	32	3.89	2	34	34	<5	<10	123
36	L04+50W	03+25	S	<5	0.4	15	195	<5	1	20	51	34	4.03	3	31	46	<5	<10	102
37	L04+50W	03+50	S	<5	0.8	15	125	<5	2	36	87	116	6.97	7	77	44	<5	<10	184
38	L04+50W	03+75	S	40	<0.2	10	130	<5	<1	26	78	85	4.70	<1	83	40	<5	<10	89
39	L04+50W	04+00	S	190	<0.2	<5	110	<5	<1	35	91	93	6.86	4	115	36	<5	<10	84
40	L04+50W	04+25	S	335	<0.2	5	150	<5	1	31	81	110	7.27	8	90	36	<5	<10	86
41	L04+50W	04+50	S	360	<0.2	10	190	<5	2	29	53	97	6.30	8	66	54	<5	<10	118
42	L04+50W	04+75	S	500	0.4	10	190	<5	1	23	41	84	5.75	7	54	40	<5	<10	81
43	L04+50W	05+00	S	10	0.2	15	290	<5	3	29	39	83	3.22	3	83	22	15	<10	169
44	L04+50W	05+25	S	5	0.4	10	135	<5	1	15	30	36	4.01	2	19	34	5	<10	99
45	L04+50W	05+50	S	<5	<0.2	15	140	<5	<1	17	34	27	3.45	2	16	36	<5	<10	106
46	L07+50W	0+25	N	5	0.4	80	95	<5	3	43	27	98	5.94	8	100	26	<5	<10	358
47	L07+50W	0+50	N	<5	<0.2	455	95	<5	<1	60	49	104	6.41	5	122	34	<5	<10	462
48	L07+50W	0+75	N	10	0.2	120	60	<5	4	54	43	196	9.95	30	143	18	<5	<10	754
49	L07+50W	1+00	N	<5	<0.2	105	105	<5	2	42	33	127	6.57	11	98	34	<5	<10	255
50	L07+50W	1+25	N	<5	<0.2	35	100	5	1	34	47	68	5.62	7	66	48	<5	<10	147
51	L07+50W	1+50	N	<5	<0.2	25	105	<5	<1	12	15	20	2.77	<1	13	38	<5	<10	93
52	L07+50W	1+75	N	<5	<0.2	25	95	<5	2	22	21	38	3.99	5	57	36	<5	<10	196
53	L07+50W	2+00	N	<5	<0.2	15	55	<5	1	11	16	20	2.44	<1	16	26	<5	<10	113
54	L07+50W	2+25	N	<5	<0.2	15	145	<5	1	13	16	25	2.06	<1	23	24	<5	<10	133
55	L07+50W	2+50	N	<5	0.4	20	150	<5	<1	14	27	24	3.17	<1	19	42	<5	<10	109
56	L07+50W	2+75	N	<5	<0.2	25	140	<5	1	17	19	39	3.53	3	39	34	<5	<10	186
57	L07+50W	3+00	N	5	0.2	110	155	<5	<1	14	16	30	3.66	3	15	40	<5	<10	445
58	L07+50W	3+25	N	10	0.4	20	140	<5	1	18	17	37	4.05	3	16	44	<5	<10	96
59	L07+50W	3+50	N	30	0.6	30	85	<5	1	32	30	145	5.76	13	56	32	<5	<10	125
60	L07+50W	3+75	N	30	0.4	265	140	<5	<1	21	15	42	3.94	4	25	40	<5	<10	149

GEOQUEST CONSULTING LTD. ICP CERTIFICATE OF ANALYSIS AK 96-1309 ECO-TECH LABORATORIES LTD.

Et #.	Tag#		Au (ppb)	Ag	As	Ba	Bi	Cd	Co	Cr	Cu	Fe %	Mo	Ni	Pb	Sb	W	Zn
61	L07+50W	4+00 N	<5	<0.2	30	200	<5	<1	12	14	18	3.13	<1	10	58	<5	<10	111
62	L5+50W	3+00 S	350	0.8	15	160	<5	2	20	74	293	9.58	20	46	44	<5	<10	83
63	L5+50W	3+25 S	500	<0.2	<5	135	<5	2	26	82	143	>10	11	70	28	<5	<10	66
64	L5+50W	3+50 S	35	<0.2	<5	135	<5	2	40	98	79	7.47	5	146	42	20	<10	92
65	L5+50W	3+75 S	>1000	1.0	15	115	5	2	36	41	105	6.65	8	55	46	<5	<10	182
66	L5+50W	4+00 S	20	0.2	10	180	<5	2	23	75	40	4.87	3	43	44	10	<10	115
67	L5+50W	4+25 S	55	<0.2	<5	60	<5	<1	10	17	39	2.40	1	19	14	<5	<10	61
68	L5+50W	4+50 S	50	<0.2	5	155	<5	2	15	30	56	4.12	3	27	30	<5	<10	83
69	L5+50W	4+75 S	40	<0.2	5	165	<5	2	19	45	43	4.37	2	39	38	<5	<10	143
70	L5+50W	5+00 S	90	<0.2	10	195	<5	7	18	38	46	4.27	3	28	40	<5	<10	278
71	L5+50W	5+25 S	<5	<0.2	<5	110	5	10	15	32	22	3.86	3	33	38	5	<10	284
72	L5+50W	5+50 S	105	<0.2	10	155	<5	20	14	30	28	3.74	2	17	46	<5	<10	1159
73	L09+00W	00+25 S	190	<0.2	20	140	5	2	32	70	59	5.74	3	103	40	5	<10	221
74	L09+00W	00+50 S	750	0.2	15	230	<5	7	23	22	92	6.37	22	30	32	10	<10	90
75	L09+00W	00+75 S	15	<0.2	5	90	<5	<1	15	8	47	2.78	2	9	14	<5	<10	33
76	L09+00W	01+25 S	30	0.4	35	245	<5	2	34	38	176	8.59	12	42	32	<5	<10	119
77	L09+00W	01+50 S	10	<0.2	15	315	<5	1	17	15	61	3.63	3	19	34	<5	<10	84
78	L09+00W	01+75 S	<5	0.2	20	160	<5	16	11	20	22	2.82	<1	17	38	<5	<10	89
79	L09+00W	02+00 S	<5	<0.2	30	200	<5	2	21	34	46	5.07	5	49	38	<5	<10	313
80	L09+00W	02+25 S	5	<0.2	10	110	<5	20	13	40	26	3.83	2	27	24	<5	<10	79
81	L09+00W	02+50 S	5	<0.2	20	135	<5	1	16	36	45	3.73	3	28	36	<5	<10	181
82	L09+00W	02+75 S	<5	0.2	20	195	<5	4	19	33	57	4.36	2	26	38	<5	<10	253
83	L09+00W	03+00 S	705	3.6	10	225	<5	1	17	27	40	4.03	2	18	46	<5	<10	76
84	L09+00W	03+25 S	70	0.4	15	120	<5	1	19	28	40	4.46	2	17	58	<5	<10	110
85	L09+00W	03+50 S	45	1.2	<5	170	<5	2	15	22	41	3.69	2	17	30	<5	<10	102
86	L09+00W	03+75 S	<5	0.2	15	190	<5	14	23	22	70	4.44	3	20	30	<5	<10	89
87	L09+00W	04+00 S	<5	0.2	15	120	<5	1	28	17	78	5.61	3	18	26	<5	<10	108
88	L09+00W	04+25 S	15	<0.2	10	80	<5	<1	11	35	30	3.43	2	17	22	<5	<10	47
89	L09+00W	04+50 S	<5	<0.2	<5	135	<5	<1	15	37	29	3.71	1	18	28	<5	<10	53
90	L09+00W	04+75 S	<5	<0.2	10	230	<5	<1	15	37	17	3.96	1	19	40	<5	<10	69
91	L09+00W	05+00 S	155	0.6	15	170	<5	<1	15	29	17	3.90	<1	14	36	<5	<10	87
92	L09+00W	05+25 S	20	1.6	20	180	5	1	17	33	23	4.29	2	16	40	<5	<10	91
93	L09+00W	05+50 S	<5	0.4	45	120	<5	1	28	29	62	5.40	6	29	34	<5	<10	197
94	L09+00W	05+75 S	<5	<0.2	135	145	<5	1	18	32	30	4.76	4	24	44	<5	<10	155
95	L09+00W	06+00 S	<5	<0.2	25	115	<5	3	12	25	17	3.35	2	14	30	<5	<10	122

GEOQUEST CONSULTING LTD. ICP CERTIFICATE OF ANALYSIS AK 96-1309 ECO-TECH LABORATORIES LTD.

Et #.	Tag#		Au (ppb)	Ag	As	Ba	Bi	Cd	Co	Cr	Cu	Fe %	Mo	Ni	Pb	Sb	W	Zn
96	L09+00W	06+25 S	<5	<0.2	15	90	<5	1	12	34	18	3.48	2	16	24	<5	<10	66
97	L09+00W	06+50 S	<5	<0.2	10	140	<5	<1	11	29	20	3.22	1	15	26	<5	<10	97
98	L09+00W	06+75 S	<5	<0.2	10	220	<5	1	10	23	16	2.86	2	13	26	<5	<10	84
99	L09+00W	07+00 S	<5	<0.2	5	120	<5	<1	9	26	14	2.85	1	12	22	<5	<10	70
100	L09+00W	07+25 S	<5	<0.2	<5	85	<5	<1	12	39	16	3.86	2	16	20	<5	<10	60
101	L09+00W	07+50 S	<5	<0.2	<5	80	<5	<1	12	37	17	3.79	<1	16	20	<5	<10	54
102	L06+00W	03+12 S	280	0.6	15	215	5	2	23	32	76	6.91	7	30	54	<5	<10	132
103	L06+00W	03+25 S	>1000	1.6	35	145	5	4	30	16	119	8.63	10	17	52	<5	<10	216
104	L06+00W	03+50 S	535	0.4	5	125	<5	2	20	45	169	7.28	9	42	32	<5	<10	63
105	L06+00W	03+50 S	380	0.4	10	145	<5	2	24	46	154	6.06	6	67	32	<5	<10	70
106	L06+00W	03+75 S	150	0.8	25	110	<5	6	16	21	91	6.44	8	13	30	<5	<10	257
107	L07+00W	02+50 S	<5	<0.2	20	175	<5	2	14	19	37	3.05	2	28	36	<5	<10	305
108	L07+00W	02+75 S	205	1.0	200	90	<5	6	27	66	115	6.39	5	88	136	<5	<10	1589
109	L07+00W	03+00 S	<5	0.4	90	100	<5	3	21	32	49	4.49	3	38	68	<5	<10	513
110	L07+00W	03+25 S	<5	<0.2	20	105	<5	1	17	36	35	3.97	2	28	38	<5	<10	104
111	L4+00W	3+75 S	215	<0.2	10	125	<5	1	18	26	76	5.35	5	30	30	<5	<10	102
112	L4+00W	3+75 S	620	0.2	15	155	<5	2	22	37	128	7.99	11	44	34	<5	<10	90
113	L4+00W	3+62 S	415	0.4	10	150	<5	4	32	37	112	7.25	8	60	44	<5	<10	140
114	L4+00W	3+87 S	250	0.4	20	195	<5	<1	19	28	74	5.44	4	32	42	<5	<10	79
115	L02+00W	03+00 S	<5	<0.2	10	145	<5	<1	13	21	18	3.03	1	12	30	<5	<10	87
116	L02+00W	03+25 S	<5	<0.2	<5	125	<5	2	15	22	19	3.25	3	15	34	10	<10	86
117	L02+00W	03+50 S	<5	<0.2	10	80	<5	2	20	20	41	3.49	<1	22	34	<5	<10	73
118	L02+00W	03+75 S	10	<0.2	10	145	<5	<1	19	28	31	4.01	1	18	42	<5	<10	86
119	L02+00W	04+00 S	10	0.6	10	115	<5	2	27	53	62	5.28	6	55	48	20	<10	107
120	L02+00W	04+25 S	30	<0.2	15	105	<5	<1	14	8	43	2.38	<1	8	18	<5	<10	51
121	L02+00W	04+50 S	15	0.4	5	150	5	1	22	33	48	4.76	2	28	40	<5	<10	115
122	L02+00W	04+75 S	<5	<0.2	10	190	5	<1	15	41	18	3.77	2	28	36	5	<10	53
123	L02+00W	05+00 S	<5	0.2	<5	130	<5	1	12	25	21	2.91	<1	15	28	<5	<10	50
124	L11+00W	6+25 S	<5	<0.2	10	140	<5	<1	10	21	18	2.58	1	14	28	<5	<10	91
125	L03+50W	7+25 S	25	<0.2	10	70	<5	<1	12	30	27	3.36	4	13	16	<5	<10	57
126	L07+50W	00+50 S	20	0.6	35	80	<5	2	18	23	33	4.91	7	26	54	<5	<10	176
127	L07+50W	00+75 S	<5	<0.2	25	125	<5	4	23	35	66	5.72	14	83	38	10	<10	569
128	L07+50W	01+00 S	<5	0.2	20	145	<5	2	20	21	52	4.74	6	20	46	<5	<10	136
129	L07+50W	01+50 S	<5	0.2	20	195	<5	1	11	15	20	2.86	2	12	44	<5	<10	104
130	L07+50W	01+75 S	<5	0.4	15	255	<5	<1	13	22	23	3.58	2	15	58	<5	<10	115

GEOQUEST CONSULTING LTD. ICP CERTIFICATE OF ANALYSIS AK 96-1309 ECO-TECH LABORATORIES LTD.

Et #.	Tag#		Au (ppb)	Ag	As	Ba	Bi	Cd	Co	Cr	Cu	Fe %	Mo	Ni	Pb	Sb	W	Zn
131	L07+50W	02+00	S	<5	0.2	20	170	<5	1	18	25	60	4.51	5	26	34	<5	<10	145
132	L07+50W	02+25	S	<5	<0.2	15	145	<5	2	23	25	94	4.31	4	33	32	<5	<10	104
133	L07+50W	02+50	S	5	<0.2	15	130	<5	2	17	25	42	3.34	1	43	30	<5	<10	180
134	L07+50W	02+75	S	<5	0.2	15	170	<5	3	34	79	61	5.66	3	103	50	10	<10	243
135	L07+50W	03+00	S	<5	<0.2	35	150	<5	1	15	28	27	3.56	2	26	46	<5	<10	249
136	L07+50W	03+25	S	<5	<0.2	10	125	<5	<1	13	25	18	3.09	<1	17	44	5	<10	66
137	L07+50W	03+75	S	5	<0.2	15	120	<5	3	12	31	19	2.84	2	16	34	<5	<10	72
138	L07+50W	04+00	S	<5	<0.2	10	125	<5	<1	9	21	18	2.48	3	13	34	10	<10	80
139	L07+50W	04+25	S	<5	<0.2	15	145	5	1	14	26	22	3.25	2	17	42	5	<10	85
140	L07+50W	04+50	S	<5	<0.2	15	195	<5	1	14	24	25	3.14	2	16	40	5	<10	100
141	L07+50W	04+75	S	<5	<0.2	10	85	<5	2	8	10	25	1.78	<1	7	18	<5	<10	63
142	L07+50W	05+00	S	<5	<0.2	20	250	<5	2	14	26	41	3.52	3	20	36	<5	<10	106
143	L07+50W	05+25	S	<5	<0.2	<5	125	5	<1	14	30	19	3.48	1	16	26	<5	<10	64
144	L07+50W	05+50	S	<5	<0.2	5	105	<5	1	16	31	20	3.86	3	16	36	<5	<10	92
145	L07+50W	05+75	S	110	<0.2	5	85	5	<1	14	33	17	3.56	1	17	26	<5	<10	65
146	L07+50W	6+00	S	5	<0.2	5	120	<5	<1	13	28	24	3.42	1	16	28	<5	<10	95
147	L07+50W	6+25	S	<5	<0.2	10	105	5	<1	12	29	19	3.35	2	15	28	<5	<10	76
148	L07+50W	6+50	S	<5	<0.2	10	160	<5	1	9	17	22	2.52	2	12	36	<5	<10	110
149	L07+50W	6+75	S	<5	<0.2	5	220	<5	<1	12	29	17	3.38	2	16	36	<5	<10	81
150	L07+50W	7+00	S	100	<0.2	10	165	<5	1	16	31	32	4.34	3	18	34	<5	<10	111
151	L07+50W	7+25	S	10	<0.2	10	200	<5	1	19	20	55	4.26	2	13	36	<5	<10	139
152	L07+50W	7+50	S	<5	<0.2	10	205	5	2	21	20	56	4.74	3	13	38	<5	<10	148
153	L07+50W	7+75	S	<5	0.2	10	135	<5	<1	17	27	49	4.42	2	15	32	<5	<10	94
154	L07+50W	8+00	S	<5	<0.2	10	110	<5	<1	11	24	19	2.87	1	13	22	<5	<10	78

GEOQUEST CONSULTING LTD. ICP CERTIFICATE OF ANALYSIS AK 96-1309 ECO-TECH LABORATORIES LTD.

Et #.	Tag#			Au (ppb)	Ag	As	Ba	Bi	Cd	Co	Cr	Cu	Fe %	Mo	Ni	Pb	Sb	W	Zn
QC DATA:																			
Repeat:																			
1	L3S	8+25	W	<5	0.6	20	330	<5	1	10	9	27	2.63	3	7	74	<5	<10	65
10	L1+00W	3+00	S	<5	<0.2	10	120	<5	1	13	24	22	3.12	1	14	36	<5	<10	66
19	L06+50W	00+25	N	<5	<0.2	35	100	<5	1	22	32	41	4.05	5	40	32	<5	<10	148
28	L06+50W	02+50	N	<5	0.2	25	95	<5	2	39	25	82	7.27	11	112	28	<5	<10	403
36	L04+50W	03+25	S	<5	0.4	15	195	<5	1	21	52	34	4.05	3	33	48	10	<10	104
45	L04+50W	05+50	S	<5	<0.2	10	145	<5	2	17	33	27	3.46	3	17	38	5	<10	107
54	L07+50W	2+25	N	<5	<0.2	10	140	<5	<1	13	16	25	2.04	<1	21	26	<5	<10	132
63	L5+50W	3+25	S	510	<0.2	<5	135	5	2	26	83	144	>10	13	70	30	<5	<10	66
71	L5+50W	5+25	S	<5	<0.2	10	110	5	10	15	33	23	3.87	2	29	38	<5	<10	261
80	L09+00W	02+25	S	5	<0.2	10	110	<5	20	13	40	25	3.81	2	22	26	<5	<10	72
89	L09+00W	04+50	S	<5	<0.2	10	135	<5	<1	15	38	28	3.72	2	19	28	<5	<10	54
98	L09+00W	06+75	S	<5	<0.2	10	200	<5	<1	9	21	14	2.64	<1	12	26	<5	<10	81
106	L06+00W	03+75	S	155	0.8	25	105	<5	5	17	22	92	6.62	8	12	32	<5	<10	264
115	L02+00W	03+00	S	<5	<0.2	10	140	<5	1	13	21	17	3.00	2	13	30	<5	<10	85
124	L11+00W	6+25	S	<5	<0.2	15	140	<5	<1	10	20	18	2.55	<1	13	28	<5	<10	91
133	L07+50W	02+50	S	5	<0.2	15	135	<5	2	18	26	42	3.36	2	43	32	<5	<10	182
141	L07+50W	04+75	S	<5	<0.2	10	85	<5	1	9	10	25	1.85	<1	7	18	<5	<10	66
Standard:																			
GEO'96				140	1.2	65	150	<5	<1	23	68	72	4.06	2	22	20	5	<10	72
GEO'96				145	1.2	65	150	5	1	23	70	74	4.02	1	24	22	10	<10	74
GEO'96				145	1.0	70	155	<5	2	23	70	73	4.01	2	20	20	5	<10	70
GEO'96				150	1.2	65	150	<5	2	24	71	75	4.04	2	22	18	5	<10	68
GEO'96				150	1.0	65	155	<5	2	23	70	73	4.08	2	24	20	5	<10	72

df/1309
XLS/96Kenrich
Fax to John Kowalchuk 604-688-3346
& Mail to Vancouver

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

15-Nov-96

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

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

ICP CERTIFICATE OF ANALYSIS AK 96-1308

GEOQUEST CONSULTING LTD.
R.R.#3, SITE 11, COMP.180
VERNON, B.C.
V1T 6L6

ATTENTION: WARNER GRUENWALD

No. of samples received: 37
Sample type: ROCK
PROJECT #: PATHFINDER
SHIPMENT #: 2
Samples submitted by: JOHN KEMP

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	As	Ba	Bi	Cd	Co	Cr	Cu	Fe %	Mo	Ni	Pb	Sb	W	Zn
1	2+98W, 1+82N	5	<0.2	140	25	<5	<1	19	85	66	4.80	13	44	6	10	<10	32
2	PWR-6	5	<0.2	<5	20	<5	<1	8	52	104	7.17	5	2	4	<5	<10	47
3	PWR-8	135	2.6	<5	70	<5	6	101	24	2596	>10	127	295	2	<5	<10	24
4	PWR-1	790	10.4	<5	20	<5	5	5	185	21	1.42	12	3	50	<5	<10	56
5	0+48S, 9+85W	10	<0.2	<5	45	<5	<1	14	55	133	3.41	15	13	6	<5	<10	9
6	2+96W, 3+70N	5	<0.2	10	10	5	<1	14	63	6	2.78	6	36	4	5	<10	105
7	7+55W, 0+02N	5	<0.2	10	45	<5	2	19	87	68	4.83	18	44	12	10	<10	117
8	PWR-5	5	<0.2	<5	20	5	<1	7	66	3	3.19	8	8	4	<5	480	35
9	PWR-4	25	<0.2	25	35	<5	<1	15	121	7	3.16	5	12	6	<5	<10	18
10	B/L 8+00W	5	0.2	<5	35	<5	1	13	93	85	4.07	8	41	6	10	<10	29
11	UPPER ADIT	>1000	>30	15	20	<5	27	5	173	16	2.19	13	6	692	10	<10	289
12	10+10W, 00+88N	420	0.6	<5	<5	<5	<1	<1	<1	<1	<0.01	<1	<1	<2	<5	10	<1
13	1+07S, 8+23W	35	0.6	<5	55	<5	2	28	51	120	7.25	16	25	6	10	<10	44
14	1+00S, 8+24W	5	<0.2	<5	135	<5	<1	9	64	19	3.99	6	11	4	<5	<10	14
15	4+98W, 0+93S	5	<0.2	<5	40	<5	<1	11	68	63	5.05	10	21	4	<5	<10	55
16	11+60W, 2+30S	40	1.2	<5	25	<5	2	24	74	495	7.49	20	15	6	<5	<10	19
17	10+15W, 00+95N	5	0.4	<5	60	<5	4	1	71	8	1.15	6	4	22	10	<10	48
18	PWR-3	10	<0.2	5	30	<5	<1	6	164	5	1.16	9	4	10	<5	<10	4
19	PWR-7	5	<0.2	15	20	<5	<1	18	57	92	4.87	18	57	4	<5	<10	29
20	5+20W, 3+10S	130	0.8	<5	70	<5	2	17	60	193	>10	15	23	6	<5	<10	31

GEOQUEST CONSULTING LTD.

ICP CERTIFICATE OF ANALYSIS AK 96-1308

ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Au(ppb)	Ag	As	Ba	Bi	Cd	Co	Cr	Cu	Fe %	Mo	Ni	Pb	Sb	W	Zn
21	6+00W, 3+25S(R)	375	0.8	10	75	10	2	12	72	85	8.38	29	8	14	<5	<10	76
22	2+80W, 3+29S	5	<0.2	<5	40	<5	<1	9	83	6	2.34	3	4	6	<5	<10	26
23	BL 2+40W, 0+08N	10	<0.2	15	30	<5	2	21	78	91	5.59	14	48	6	<5	<10	138
24	L04+50W, 01+50S	5	<0.2	10	45	10	<1	12	70	43	4.66	14	17	6	5	<10	40
25	11+80W, 01+93S	>1000	15.0	25	10	<5	30	7	188	69	2.12	11	3	240	<5	<10	434
26	5+52W, 0+66S	10	<0.2	<5	40	<5	<1	8	84	34	3.97	21	13	4	<5	<10	71
27	L11+22W, 03+20S	35	0.4	<5	30	<5	1	26	70	306	7.28	9	13	4	<5	<10	9
28	7+50W, 2+17S	5	<0.2	<5	35	<5	<1	6	69	33	2.33	3	3	8	<5	<10	4
29	L5+68W, 0+05N	5	<0.2	<5	40	<5	<1	20	90	67	5.42	14	43	14	<5	<10	72
30	3+93W, 6+83S	60	<0.2	<5	45	<5	<1	20	57	136	4.94	16	44	<2	<5	<10	9
31	0+50N, 8+15W	25	0.8	55	25	<5	9	12	49	61	3.58	11	39	38	10	<10	222
32	4+80W, 3+15S	75	<0.2	<5	55	<5	<1	9	86	56	5.14	8	7	6	<5	<10	9
33	5+20W, 3+29S(B)	215	<0.2	<5	50	<5	3	22	87	157	9.01	15	25	8	20	<10	31
34	8+04W, 4+23S	5	<0.2	<5	205	<5	<1	9	75	3	2.01	2	4	8	<5	<10	47
35	5+20W, 3+29S(A)	500	<0.2	<5	65	15	1	17	127	111	9.40	16	14	6	<5	<10	15
36	4+05W, 3+50S	260	<0.2	<5	45	<5	<1	17	89	182	7.65	29	55	8	<5	<10	24
37	0+00	60	0.4	55	85	10	2	10	68	141	>10	41	8	4	<5	<10	21
QC/DATA:																	
Repeat:																	
1	2+98W, 1+82N	-	<0.2	150	25	<5	<1	20	91	68	5.11	13	47	8	15	<10	35
10	B/L 8+00W	-	<0.2	<5	35	<5	<1	13	94	87	4.15	6	39	4	<5	<10	30
19	PWR-7	-	<0.2	10	25	<5	1	17	54	87	4.70	19	59	6	<5	<10	28
Resplit:																	
R/S 1	2+98W, 1+82N	5	<0.2	160	25	<5	<1	23	97	73	5.10	13	50	6	<5	<10	37
36	4+05W, 3+50S	230	<0.2	<5	50	<5	2	18	95	201	8.29	34	60	6	<5	<10	26
Standard:																	
GEO'96		150	1.4	60	160	<5	1	19	60	73	4.03	2	24	20	5	<10	72
GEO'96		-	1.6	70	160	<5	2	22	67	83	4.02	1	22	22	10	<10	74

per

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

df/1308
XLS/96Geoquest

Eco-Tech
LABORATORIES LTD.

ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 6T4 Phone (250) 573-5700
Fax (250) 573-4557

CERTIFICATE OF ASSAY AK 96-1308

13-Nov-96

GEOQUEST CONSULTING LTD.
R.R.#3, SITE 11, COMP.180
VERNON, B.C.
V1T 6L6

ATTENTION: WARNER GRUENWALD

No. of samples received: 37
Sample type: ROCK
PROJECT #: PATHFINDER
SHIPMENT #: 2
Samples submitted by: JOHN KEMP

ET #.	Tag #	Au (g/t)	Au (oz/t)
11	UPPER ADIT	12.42	0.362
25	11+80W, 01+93S	1.03	0.030

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

XLS/96GEOQUEST

19-Sep-96

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

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

ICP CERTIFICATE OF ANALYSIS AK 96-1003

GEOQUEST CONSULTING LTD.
8055 Aspen Road
VERNON, B.C.
V1B 3M9

ATTENTION: WARNER GRUENWALD

No. of samples: 215
Sample type: SOIL
PROJECT #: PATHFINDER
SHIPMENT #: 1
Samples submitted by: JOHN KEMP

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	L15	8+25 W	<5	0.4	2.97	25	140	<5	0.72	<1	34	30	186	6.83	30	0.70	1204	8	0.02	29	770	18	<5	<20	54	0.12	<10	102	<10	18	108
2	L15	8+50 W	15	0.6	2.06	<5	145	<5	0.85	1	55	35	287	>10	<10	0.79	1548	13	0.01	33	1380	12	<5	<20	55	0.07	<10	138	<10	9	76
3	L15	8+75 W	5	0.4	2.60	10	215	<5	0.93	1	28	23	112	6.47	30	0.56	1299	9	0.02	24	1770	36	<5	<20	63	0.10	<10	71	<10	9	138
4	L15	9+00 W	40	0.6	2.44	5	150	<5	0.91	<1	22	21	82	5.54	90	0.54	1598	10	0.01	15	800	26	<5	<20	58	0.07	<10	65	<10	38	72
5	L15	9+25 W	70	0.4	2.29	<5	125	<5	0.64	<1	30	35	133	7.03	20	0.86	560	11	<0.01	45	1330	18	<5	<20	49	0.04	<10	93	<10	4	100
6	L15	9+50 W	10	0.4	2.74	20	120	<5	0.72	1	18	24	55	3.95	30	0.60	641	<1	0.02	33	1210	14	<5	<20	57	0.14	<10	64	<10	11	116
7	L15	9+75 W	40	0.4	2.60	<5	175	<5	0.97	<1	35	29	493	7.06	20	0.72	1123	15	0.01	48	1310	10	<5	<20	49	0.09	<10	116	<10	15	68
8	L15	10+00 W	50	0.4	2.45	<5	120	<5	0.92	1	34	22	357	6.57	10	0.84	1142	15	<0.01	45	1010	6	<5	<20	38	0.07	<10	103	<10	14	63
9	L15	10+25 W	NO SAMPLE																												
10	L15	10+50 W	<5	0.8	1.58	5	470	<5	1.25	<1	13	19	164	3.42	10	0.36	1261	2	0.02	20	2450	12	<5	<20	105	0.08	<10	41	<10	8	89
11	L15	10+75 W	5	<0.2	2.32	5	335	<5	0.49	<1	10	19	35	2.90	20	0.34	717	<1	0.02	15	2780	12	<5	<20	66	0.12	<10	36	<10	5	83
12	L25	8+25 W	<5	0.8	2.82	40	275	<5	1.26	<1	19	20	80	5.16	70	0.63	2274	6	0.02	16	1700	22	<5	<20	85	0.08	<10	69	<10	22	84
13	L25	8+50 W	10	0.6	2.87	25	255	<5	1.01	<1	31	28	102	7.34	30	0.68	1926	9	0.01	23	1140	12	<5	<20	67	0.08	<10	94	<10	13	91
14	L25	8+75 W	<5	0.8	2.58	<5	315	<5	1.70	<1	28	26	175	6.30	30	0.88	2763	8	0.01	19	920	20	<5	<20	89	0.07	<10	107	<10	39	71
15	L25	9+00 W	<5	0.2	3.34	5	250	<5	0.85	<1	23	22	94	4.92	30	0.78	943	3	0.02	19	1590	12	<5	<20	69	0.12	<10	79	<10	29	61
16	L25	9+25 W	<5	<0.2	1.93	10	310	<5	1.24	<1	19	26	67	4.86	20	0.63	1070	3	0.01	19	2530	14	<5	<20	94	0.07	<10	69	<10	21	88
17	L25	9+50 W	<5	0.2	2.95	<5	200	<5	0.72	<1	21	45	63	4.71	40	0.91	740	<1	0.01	36	1230	12	<5	<20	53	0.19	<10	73	<10	18	60
18	L25	9+75 W	5	0.6	3.20	15	320	<5	0.84	<1	17	27	38	4.50	80	0.67	1537	2	0.01	19	2280	32	<5	<20	80	0.13	<10	55	<10	15	84
19	L25	10+00 W	10	<0.2	2.28	<5	490	<5	0.95	<1	20	33	105	5.11	30	0.57	1365	5	0.01	27	4230	16	<5	<20	89	0.10	<10	71	<10	12	121
20	L25	10+25 W	<5	<0.2	2.02	5	490	<5	0.77	<1	13	22	46	3.68	20	0.44	765	2	0.01	19	4080	12	<5	<20	84	0.10	<10	48	<10	7	111
21	L25	10+50 W	<5	0.2	3.05	<5	150	<5	0.41	<1	17	19	76	3.73	20	0.36	858	<1	0.02	14	1770	8	<5	<20	36	0.16	<10	52	<10	10	56
22	L25	10+75 W	5	0.2	1.72	40	80	<5	0.79	2	26	26	75	5.45	10	0.60	1108	9	0.01	68	970	10	<5	<20	45	0.06	<10	114	<10	7	296
23	B/L	8+00 W	<5	0.4	1.91	40	105	<5	0.64	3	25	30	63	5.15	20	0.69	2036	7	0.01	51	1400	22	<5	<20	44	0.08	<10	108	<10	10	248
24	B/L	8+25 W	<5	<0.2	1.45	25	60	<5	0.53	1	14	35	35	4.58	<10	0.87	953	6	<0.01	36	1050	10	<5	<20	23	0.04	<10	108	<10	4	187
25	B/L	8+50 W	<5	<0.2	3.01	10	85	<5	0.92	<1	31	79	61	6.03	20	2.05	747	<1	<0.01	104	1470	14	<5	<20	75	0.20	<10	89	<10	9	179

GEOQUEST CONSULTING LTD. ICP CERTIFICATE OF ANALYSIS AK 96-1003 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	B/L	8+75 W	<5	0.2	2.39	40	95	<5	0.58	1	28	38	75	5.71	20	0.99	969	6	0.01	86	1020	10	<5	<20	45	0.12	<10	111	<10	11	266
27	B/L	9+00 W	85	0.2	2.13	25	80	<5	0.77	1	25	36	62	5.45	20	0.85	1048	5	0.01	62	1170	8	<5	<20	50	0.10	<10	113	<10	8	207
28	B/L	9+25 W	<5	0.4	2.79	45	130	<5	0.69	<1	22	27	60	4.93	30	0.64	648	4	0.01	49	2190	12	<5	<20	61	0.12	<10	86	<10	10	193
29	B/L	9+50 W	10	<0.2	2.59	40	150	<5	0.58	<1	18	24	43	4.47	20	0.66	520	5	0.01	38	550	8	<5	<20	41	0.10	<10	87	<10	8	155
30	B/L	9+75 W	5	0.4	2.84	40	110	<5	0.47	1	25	33	74	5.69	20	0.79	562	8	<0.01	65	560	10	<5	<20	35	0.11	<10	120	<10	11	206
31	B/L	10+00 W	20	0.6	2.48	<5	90	<5	0.86	2	30	26	225	7.09	<10	0.94	868	10	<0.01	60	2380	12	<5	<20	57	0.09	<10	128	<10	7	112
32	B/L	10+25 W	5	<0.2	2.27	5	85	<5	0.55	<1	22	24	132	5.71	<10	0.73	493	6	0.01	44	840	8	<5	<20	37	0.11	<10	111	<10	9	110
33	B/L	10+50 W	35	0.2	1.99	<5	85	<5	0.78	<1	18	23	117	5.39	<10	0.64	529	5	<0.01	34	2560	10	<5	<20	58	0.09	<10	94	<10	7	86
34	B/L	10+75 W	45	0.4	2.58	<5	95	<5	0.59	<1	15	15	85	3.98	10	0.40	535	2	0.02	27	1990	6	<5	<20	50	0.13	<10	63	<10	9	89
35	B/L	11+00 W	<5	<0.2	2.25	<5	90	<5	0.51	<1	8	8	29	1.84	<10	0.17	362	<1	0.02	12	1420	4	<5	<20	43	0.11	<10	25	<10	7	43
36	B/L	01+00 W	<5	<0.2	2.29	15	160	5	0.45	1	10	19	15	2.88	10	0.32	1363	1	0.01	15	2250	10	<5	<20	38	0.13	<10	53	<10	4	147
37	B/L	01+25 W	NO SAMPLE																												
38	B/L	01+50 W	<5	<0.2	2.01	<5	135	<5	0.31	<1	7	12	10	1.87	10	0.17	614	<1	0.01	7	2420	14	<5	<20	30	0.13	<10	29	<10	3	80
39	B/L	01+75 W	<5	0.2	2.04	<5	155	<5	0.35	<1	10	21	14	2.83	20	0.30	982	<1	<0.01	11	3190	10	<5	<20	29	0.12	<10	45	<10	5	74
40	B/L	02+00 W	<5	<0.2	2.07	10	145	<5	0.32	<1	8	18	10	2.46	20	0.27	479	1	0.01	9	2530	22	<5	<20	30	0.11	<10	39	<10	3	85
41	B/L	02+25 W	<5	0.2	2.93	5	100	<5	0.36	<1	13	18	24	2.83	10	0.28	932	<1	0.01	20	1860	8	<5	<20	26	0.15	<10	54	<10	8	57
42	B/L	02+50 W	10	<0.2	3.24	5	70	<5	0.37	<1	17	23	28	3.57	<10	0.42	413	<1	0.01	29	2230	8	<5	<20	29	0.17	<10	84	<10	7	63
43	B/L	02+75 W	<5	<0.2	2.88	10	75	<5	0.53	<1	12	23	16	3.39	30	0.39	508	<1	0.01	14	2630	16	<5	<20	36	0.15	<10	60	<10	8	57
44	B/L	03+00 W	<5	<0.2	1.99	<5	80	<5	0.41	<1	9	18	10	2.66	20	0.27	357	<1	0.01	9	620	10	<5	<20	28	0.12	<10	45	<10	6	31
45	B/L	03+25 W	NO SAMPLE																												
46	B/L	03+50 W	<5	<0.2	3.39	15	105	<5	0.43	<1	12	20	13	3.13	20	0.35	712	<1	0.01	10	1670	8	<5	<20	32	0.16	<10	52	<10	12	46
47	B/L	03+75 W	<5	<0.2	2.70	<5	150	<5	0.32	<1	14	25	34	3.75	20	0.41	620	3	0.01	33	580	6	<5	<20	38	0.14	<10	81	<10	10	122
48	B/L	04+00 W	<5	<0.2	2.99	5	150	<5	0.33	<1	14	22	27	3.47	20	0.38	1254	2	0.01	21	1280	12	<5	<20	27	0.15	<10	69	<10	12	87
49	B/L	04+25 W	<5	<0.2	2.68	45	120	<5	0.46	<1	14	12	14	3.60	30	0.43	1337	<1	<0.01	10	2190	24	<5	<20	37	0.12	<10	44	<10	26	93
50	B/L	04+50 W	NO SAMPLE																												
51	B/L	4+75 W	NO SAMPLE																												
52	B/L	5+00 W	<5	<0.2	3.01	10	110	<5	0.47	<1	12	16	20	2.74	10	0.32	878	<1	0.01	15	1160	10	<5	<20	33	0.15	<10	50	<10	9	53
53	B/L	5+25 W	<5	0.6	3.26	60	65	<5	0.68	<1	55	28	98	5.16	<10	0.70	1412	4	0.01	78	1960	18	<5	<20	35	0.16	<10	119	<10	7	112
54	B/L	5+50 W	<5	<0.2	2.69	40	90	<5	0.48	<1	29	33	94	5.12	<10	0.67	762	5	0.01	61	910	8	<5	<20	31	0.14	<10	113	<10	8	105
55	B/L	5+75 W	<5	0.4	3.08	25	90	<5	0.91	1	26	25	75	3.93	<10	0.58	1077	2	0.02	42	1510	6	<5	<20	48	0.15	<10	95	<10	9	115
56	B/L	6+00 W	5	<0.2	2.61	10	130	<5	0.44	<1	14	23	30	3.40	10	0.38	1105	2	0.01	20	1780	4	<5	<20	30	0.12	<10	74	<10	7	106
57	B/L	6+25 W	<5	0.2	2.72	30	110	<5	0.38	<1	18	22	48	4.11	10	0.46	1285	2	0.01	31	1150	6	<5	<20	26	0.14	<10	75	<10	11	139
58	B/L	6+50 W	<5	<0.2	2.36	25	100	<5	0.43	<1	28	34	74	5.53	<10	0.65	1080	6	0.01	56	910	6	<5	<20	29	0.12	<10	126	<10	7	184
59	B/L	6+75 W	<5	<0.2	2.39	10	130	<5	0.48	1	23	32	52	4.39	20	0.64	971	5	0.01	42	1220	6	<5	<20	33	0.12	<10	110	<10	9	154
60	B/L	7+00 W	<5	0.2	2.61	10	95	<5	0.48	<1	15	17	22	3.79	70	0.45	1085	1	0.01	17	780	18	<5	<20	34	0.12	<10	64	<10	29	117

GEOQUEST CONSULTING LTD. ICP CERTIFICATE OF ANALYSIS AK 96-1003 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
61	B/L	7+25 W	<5	0.4	2.41	<5	90	<5	0.51	<1	14	17	20	3.64	70	0.44	1034	2	0.01	16	690	16	<5	<20	36	0.10	<10	59	<10	30	112
62	B/L	7+50 W	NO SAMPLE																												
63	B/L	7+75 W	35	0.2	1.78	50	65	<5	0.65	3	25	29	106	6.78	20	0.69	603	13	<0.01	86	600	12	<5	<20	38	0.07	<10	139	<10	11	372
64	LIN	08+25 W	40	1.6	2.93	225	105	<5	0.56	1	35	45	118	6.50	<10	1.06	1570	6	0.01	65	1420	60	<5	<20	34	0.15	<10	138	<10	11	294
65	LIN	08+50 W	10	0.6	2.44	30	150	<5	1.49	3	23	20	108	5.66	30	0.88	2315	3	0.01	22	2970	14	<5	<20	97	0.10	<10	98	<10	24	173
66	LIN	08+75 W	20	0.4	1.59	25	80	<5	0.79	<1	18	12	66	3.49	20	0.44	1903	6	0.02	27	1260	4	<5	<20	47	0.07	<10	68	<10	15	116
67	LIN	09+00 W	<5	<0.2	4.13	<5	125	<5	0.99	<1	37	107	87	6.72	60	2.97	994	<1	0.01	110	1440	10	<5	<20	106	0.32	<10	122	<10	18	81
68	LIN	09+25 W	10	0.6	2.42	10	125	<5	1.49	1	26	43	91	6.03	80	1.03	1838	4	0.01	46	1850	20	<5	<20	99	0.10	<10	92	<10	32	136
69	LIN	09+50 W	<5	0.6	2.86	10	85	<5	0.79	<1	50	41	279	7.95	20	1.20	1858	8	0.01	50	1270	10	<5	<20	46	0.13	<10	138	<10	18	127
70	LIN	09+75 W	<5	0.4	3.08	40	140	<5	0.85	1	27	40	123	6.11	30	0.98	1310	6	0.01	39	1570	16	<5	<20	57	0.12	<10	111	<10	17	115
71	LIN	10+00 W	<5	<0.2	2.67	30	145	<5	0.78	<1	18	30	71	4.55	30	0.67	869	4	0.01	24	780	12	<5	<20	51	0.11	<10	83	<10	14	80
72	LIN	10+25 W	<5	<0.2	2.55	10	145	<5	0.63	<1	21	27	92	5.55	20	0.70	759	6	0.01	36	1270	10	<5	<20	53	0.10	<10	91	<10	12	93
73	LIN	10+50 W	25	<0.2	2.31	10	145	<5	0.66	<1	17	19	59	4.14	10	0.52	395	3	0.02	25	2260	8	<5	<20	50	0.10	<10	62	<10	7	134
74	LIN	10+75 W	15	0.4	2.64	20	60	<5	0.57	<1	9	8	42	2.07	10	0.22	172	<1	0.03	15	3200	6	<5	<20	61	0.13	<10	29	<10	12	67
75	L2N	8+25 W	<5	0.4	3.62	105	60	<5	0.64	<1	18	21	66	3.83	<10	0.34	467	<1	0.03	39	960	8	<5	<20	36	0.19	<10	76	<10	9	234
76	L2N	8+50 W	70	0.6	3.17	235	75	<5	0.52	2	40	40	137	8.34	<10	1.18	1073	18	0.01	91	650	28	<5	<20	29	0.13	<10	174	<10	17	581
77	L2N	8+75 W	10	0.4	1.90	70	70	<5	0.50	<1	22	25	73	4.67	<10	0.64	1073	7	0.02	50	610	14	<5	<20	26	0.08	<10	99	<10	12	217
78	L2N	9+00 W	NO SAMPLE																												
79	L2N	9+25 W	<5	<0.2	4.24	10	125	<5	1.04	<1	31	74	50	5.93	40	2.46	569	<1	0.01	101	3850	14	<5	<20	101	0.21	<10	74	<10	11	98
80	L2N	9+50 W	<5	0.2	3.48	<5	85	<5	0.89	<1	25	72	37	5.42	50	1.93	632	<1	0.01	78	910	18	<5	<20	67	0.18	<10	77	<10	7	100
81	L2N	9+75 W	<5	0.4	2.37	10	90	<5	0.55	<1	12	27	32	2.75	30	0.46	317	1	0.02	26	2950	10	<5	<20	60	0.12	<10	41	<10	9	77
82	L2N	10+00 W	15	0.2	2.92	5	115	<5	0.52	<1	18	41	96	5.27	40	0.75	587	5	0.01	40	1080	16	<5	<20	51	0.13	<10	108	<10	16	72
83	L2N	10+25 W	10	0.4	2.78	15	70	<5	0.71	<1	11	20	43	2.50	20	0.36	218	<1	0.02	26	1950	8	<5	<20	61	0.14	<10	40	<10	14	59
84	L2N	10+50 W	<5	0.2	1.93	<5	90	<5	0.55	<1	9	17	33	2.16	20	0.29	281	<1	0.03	18	2910	8	<5	<20	50	0.11	<10	33	<10	9	88
85	L2N	10+75 W	<5	0.2	1.97	<5	90	<5	0.39	<1	8	14	16	1.98	10	0.23	308	<1	0.02	9	1090	4	<5	<20	46	0.11	<10	31	<10	6	33
86	L3N	8+25 W	<5	<0.2	2.48	35	95	<5	0.41	1	28	32	87	6.67	<10	0.59	750	11	0.01	78	740	18	<5	<20	27	0.11	<10	121	<10	6	324
87	L3N	8+50 W	<5	<0.2	2.28	45	90	<5	0.45	<1	31	34	88	6.59	<10	0.62	949	11	0.01	72	980	8	<5	<20	28	0.10	<10	125	<10	6	221
88	L3N	8+75 W	10	0.2	3.08	45	105	<5	0.65	<1	27	33	74	6.25	<10	0.80	1499	5	0.01	47	1120	14	<5	<20	33	0.19	<10	124	<10	10	180
89	L3N	9+00 W	10	0.6	2.80	40	110	<5	0.86	<1	21	20	47	5.17	10	0.76	1279	3	0.01	24	1260	38	<5	<20	58	0.13	<10	81	<10	16	124
90	L3N	9+25 W	5	0.4	3.42	50	125	<5	0.61	<1	27	30	91	6.14	20	0.87	1443	6	0.01	39	850	24	<5	<20	39	0.15	<10	114	<10	19	129
91	L3N	9+50 W	NO SAMPLE																												
92	L3N	9+75 W	5	<0.2	3.75	55	65	<5	0.62	<1	14	11	44	2.89	10	0.32	362	<1	0.03	23	2290	8	<5	<20	51	0.17	<10	43	<10	13	80
93	L3N	10+00 W	10	0.2	3.32	50	80	<5	0.55	<1	20	20	47	4.23	<10	0.55	542	<1	0.02	43	2310	10	<5	<20	44	0.17	<10	67	<10	10	185
94	L3N	10+25 W	<5	0.2	3.12	25	75	<5	0.53	<1	19	22	49	3.85	<10	0.57	567	<1	0.02	44	1320	8	<5	<20	37	0.18	<10	59	<10	10	191
95	L3N	10+50 W	<5	<0.2	2.89	40	75	<5	0.49	<1	14	14	36	2.76	<10	0.34	422	<1	0.03	21	1880	6	<5	<20	46	0.15	<10	41	<10	9	97

GEOQUEST CONSULTING LTD. ICP CERTIFICATE OF ANALYSIS AK 96-1003 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
96	L3N	10+75 W	<5	0.2	2.00	10	135	<5	0.49	<1	12	21	21	2.98	10	0.35	562	<1	0.02	19	2620	8	<5	<20	46	0.12	<10	46	<10	6	102
97	L4N	8+25 W	<5	<0.2	2.40	30	80	<5	0.43	<1	27	30	68	5.60	<10	0.55	762	7	0.01	58	770	6	<5	<20	26	0.13	<10	105	<10	4	164
98	L4N	8+50 W	10	0.4	2.79	70	100	<5	0.62	<1	33	32	84	6.43	10	0.65	1435	5	0.01	52	1210	12	<5	<20	40	0.14	<10	113	<10	11	184
99	L4N	8+75 W	15	<0.2	3.15	25	85	<5	0.71	<1	30	32	92	6.79	<10	0.97	1519	5	0.01	41	1380	8	<5	<20	47	0.18	<10	122	<10	12	153
100	L4N	9+00 W	5	0.4	2.98	25	95	<5	0.51	<1	27	33	75	6.14	20	0.80	1045	5	0.01	44	870	12	<5	<20	43	0.14	<10	107	<10	15	158
101	L4N	9+25 W	<5	0.4	2.03	15	100	<5	0.58	<1	15	16	36	3.69	50	0.42	1743	2	0.02	14	1060	14	<5	<20	36	0.09	<10	61	<10	25	92
102	L4N	9+50 W	<5	0.2	2.49	10	105	<5	0.62	<1	11	15	19	3.59	20	0.41	944	<1	0.01	11	1180	18	<5	<20	41	0.10	<10	51	<10	10	86
103	L4N	9+75 W	5	<0.2	2.19	15	110	<5	0.71	<1	12	14	20	3.13	10	0.38	449	<1	0.02	17	1480	10	<5	<20	47	0.11	<10	43	<10	10	130
104	L4N	10+00 W	70	0.4	2.59	15	45	<5	0.59	<1	10	8	31	2.22	<10	0.25	172	<1	0.02	14	1510	8	<5	<20	43	0.14	<10	30	<10	10	49
105	L4N	10+25 W	<5	<0.2	3.15	15	75	<5	0.58	<1	15	14	36	3.32	10	0.37	447	<1	0.02	21	2400	8	<5	<20	51	0.15	<10	49	<10	14	84
106	L4N	10+50 W	<5	<0.2	2.99	10	100	<5	0.51	<1	10	10	21	2.16	10	0.25	434	<1	0.03	12	1530	30	<5	<20	46	0.14	<10	31	<10	10	44
107	L4N	10+75 W	<5	<0.2	2.45	<5	95	<5	0.68	<1	15	36	25	3.39	20	0.72	439	<1	0.02	29	920	32	<5	<20	51	0.18	<10	57	<10	10	49
108	L5N	8+25 W	<5	<0.2	3.16	25	65	<5	0.44	<1	15	22	32	3.59	10	0.39	499	<1	0.02	21	1220	36	<5	<20	27	0.17	<10	68	<10	6	85
109	L5N	8+50 W	<5	<0.2	3.22	25	95	<5	0.65	<1	25	22	118	5.66	<10	0.64	537	6	0.02	61	1080	26	<5	<20	65	0.15	<10	112	<10	8	173
110	L5N	8+75 W	5	0.2	3.71	25	100	<5	0.51	2	34	29	122	6.17	10	0.87	841	8	0.02	76	1090	32	<5	<20	45	0.16	<10	141	<10	13	323
111	L5N	9+00 W	NO SAMPLE																												
112	L5N	9+25 W	20	1.4	3.83	25	180	<5	0.37	1	13	16	27	3.43	30	0.43	549	<1	0.02	13	920	68	<5	<20	39	0.17	<10	48	<10	17	91
113	L5N	9+50 W	NO SAMPLE																												
114	L5N	9+75 W	5	0.8	2.77	<5	140	<5	0.82	1	14	14	48	3.13	10	0.45	765	<1	0.03	10	1130	44	<5	<20	66	0.15	<10	46	<10	12	102
115	L5N	10+00 W	15	0.8	2.50	<5	180	<5	0.99	<1	7	10	20	2.05	<10	0.26	298	<1	0.03	8	4660	28	<5	<20	94	0.13	<10	29	<10	8	54
116	L5N	10+25 W	<5	<0.2	2.76	5	120	<5	0.41	<1	9	17	16	2.37	20	0.27	444	<1	0.03	9	1520	28	<5	<20	42	0.13	<10	40	<10	7	38
117	L5N	10+50 W	NO SAMPLE																												
118	L5N	10+75 W	5	<0.2	4.06	<5	195	<5	0.51	<1	15	20	29	3.77	20	0.53	805	<1	0.02	10	1370	44	<5	<20	49	0.20	<10	61	<10	20	67
119	L6N	8+25 W	<5	0.4	4.34	10	120	<5	0.61	<1	15	18	29	3.67	30	0.48	472	<1	0.03	13	1640	50	<5	<20	70	0.20	<10	58	<10	17	61
120	L6N	8+50 W	<5	<0.2	3.32	10	105	<5	0.51	<1	11	19	17	3.28	30	0.43	416	<1	0.02	11	690	38	<5	<20	48	0.16	<10	52	<10	11	59
121	L6N	8+75 W	<5	0.4	4.26	15	130	<5	0.77	<1	17	18	43	3.81	20	0.57	928	<1	0.02	16	1200	46	<5	<20	59	0.20	<10	63	<10	18	83
122	L6N	9+00 W	40	2.8	3.31	15	155	<5	1.12	2	22	19	84	4.61	30	0.76	2063	2	0.02	15	1010	44	<5	<20	81	0.14	<10	78	<10	28	116
123	L6N	9+25 W	60	1.8	3.38	15	120	<5	0.92	6	18	18	47	3.87	20	0.56	1055	1	0.02	16	1330	52	<5	<20	54	0.16	10	65	<10	16	175
124	L6N	9+50 W	<5	<0.2	2.33	<5	90	<5	0.51	2	8	12	19	2.12	10	0.25	396	<1	0.03	8	1560	26	<5	<20	44	0.12	<10	32	<10	7	52
125	L6N	9+75 W	5	1.0	3.10	25	105	<5	0.83	6	12	24	44	3.03	30	0.40	432	<1	0.03	12	900	36	<5	<20	65	0.17	<10	49	<10	19	68
126	L6N	10+00 W	<5	0.2	2.38	10	55	<5	0.85	10	10	15	41	2.46	10	0.36	439	<1	0.04	9	500	26	<5	<20	61	0.14	<10	38	<10	13	97
127	L6N	10+25 W	NO SAMPLE																												
128	L6N	10+50 W	<5	0.2	<0.01	<5	<5	<5	<0.01	<1	<1	<1	<1	<0.01	<10	<0.01	<1	<1	<0.01	<1	<10	<2	<5	<20	<1	<0.01	<10	<1	<10	<1	<1
129	L6N	10+75 W	<5	<0.2	<0.01	<5	<5	<5	<0.01	<1	<1	<1	<1	<0.01	<10	<0.01	<1	<1	<0.01	<1	<10	<2	<5	<20	<1	<0.01	<10	<1	<10	<1	<1
130	L8+00W	00+25 S	<5	<0.2	<0.01	<5	<5	<5	<0.01	<1	<1	<1	<1	<0.01	<10	<0.01	<1	<1	<0.01	<1	<10	<2	<5	<20	<1	<0.01	<10	<1	<10	<1	<1

GEOQUEST CONSULTING LTD. ICP CERTIFICATE OF ANALYSIS AK 96-1003 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	Tl %	U	V	W	Y	Zn
131	L8+00W	0+50	S		NO SAMPLE																											
132	L8+00W	0+75	S	5	0.6	2.27	15	140	<5	1.30	1	13	16	37	3.27	40	0.42	1071	2	0.02	19	1260	30	<5	<20	104	0.07	<10	54	<10	15	175
133	L8+00W	1+00	S	<5	0.6	3.72	35	255	<5	0.67	2	19	23	54	4.46	70	0.59	883	4	0.02	35	920	54	<5	<20	65	0.14	<10	80	<10	20	226
134	L8+00W	1+25	S		NO SAMPLE																											
135	L8+00W	1+50	S	<5	1.2	3.30	15	240	<5	0.80	<1	11	19	21	3.62	180	0.40	1118	1	0.02	12	890	68	<5	<20	62	0.11	<10	44	<10	23	64
136	L8+00W	1+75	S	<5	0.8	2.87	15	425	<5	1.07	<1	12	15	26	4.03	140	0.54	2224	3	0.02	10	1080	72	<5	<20	83	0.05	<10	41	<10	34	90
137	L8+00W	2+00	S	10	0.8	2.72	60	300	<5	0.75	1	23	19	110	7.00	50	0.74	614	6	0.02	23	800	46	<5	<20	61	0.06	<10	65	<10	44	109
138	L8+00W	2+25	S	5	0.2	2.46	10	170	<5	1.07	1	46	42	246	9.85	<10	0.99	870	9	0.02	43	1980	26	<5	<20	76	0.10	<10	110	<10	6	115
139	L8+00W	2+50	S	<5	<0.2	3.80	10	200	<5	0.91	1	25	96	58	4.98	30	1.44	933	<1	0.02	65	1790	38	<5	<20	76	0.26	<10	100	<10	14	152
140	L8+00W	2+75	S		NO SAMPLE																											
141	L8+00W	3+00	S		NO SAMPLE																											
142	L8+00W	3+25	S	<5	<0.2	4.05	10	215	<5	0.51	<1	16	22	48	3.64	20	0.51	591	<1	0.02	16	1320	44	<5	<20	61	0.19	<10	60	<10	10	55
143	L8+00W	3+50	S	<5	<0.2	3.53	10	170	<5	0.62	<1	14	26	24	3.39	20	0.50	1464	<1	0.01	15	2380	44	<5	<20	47	0.14	<10	59	<10	6	63
144	L8+00W	3+75	S		NO SAMPLE																											
145	L8+00W	4+00	S	5	<0.2	3.19	<5	200	<5	0.79	<1	9	15	26	2.90	20	0.37	679	<1	0.02	12	3120	56	<5	<20	73	0.16	<10	44	<10	6	72
146	L8+00W	4+25	S		NO SAMPLE																											
147	L8+00W	4+50	S	<5	0.4	1.86	5	285	<5	0.57	<1	7	11	24	2.20	20	0.30	962	1	0.01	5	1030	42	<5	<20	48	0.04	<10	28	<10	7	55
148	L8+00W	4+75	S	<5	<0.2	3.25	5	195	<5	0.66	<1	17	31	42	3.65	30	0.52	1086	<1	0.01	19	1350	40	<5	<20	49	0.15	<10	60	<10	11	80
149	L8+00W	5+00	S	<5	<0.2	3.13	<5	150	<5	0.48	<1	15	34	25	3.79	30	0.60	703	<1	0.02	18	1120	34	<5	<20	40	0.16	<10	68	<10	11	70
150	L8+00W	5+25	S	<5	<0.2	2.26	5	125	5	0.46	<1	13	30	22	3.39	40	0.45	796	<1	0.01	12	940	30	<5	<20	33	0.13	<10	61	<10	12	49
151	L8+00W	5+50	S	<5	<0.2	2.65	<5	120	<5	0.44	<1	14	33	21	3.71	40	0.50	707	<1	0.01	14	1140	30	<5	<20	33	0.14	<10	67	<10	10	59
152	L8+00W	5+75	S	10	<0.2	2.33	<5	155	<5	0.55	<1	13	31	21	3.52	30	0.50	758	<1	0.01	17	1170	30	<5	<20	40	0.13	<10	61	<10	7	64
153	L8+00W	6+00	S	<5	<0.2	2.19	5	150	<5	0.56	<1	11	24	21	2.78	20	0.38	572	<1	0.02	13	1670	26	<5	<20	46	0.12	<10	44	<10	8	68
154	L8+00W	6+25	S	20	0.4	1.91	<5	130	<5	0.45	<1	10	29	17	3.03	20	0.38	543	<1	0.01	11	1070	24	<5	<20	39	0.12	<10	53	<10	5	49
155	L8+00W	6+50	S	<5	<0.2	2.07	5	95	<5	0.70	<1	10	24	28	2.64	30	0.37	500	<1	0.02	12	630	24	<5	<20	51	0.12	<10	43	<10	10	54
156	L8+00W	6+75	S	<5	<0.2	2.71	15	175	<5	0.32	<1	11	20	20	3.07	80	0.31	966	<1	0.01	12	3800	62	<5	<20	30	0.12	<10	43	<10	6	102
157	L8+00W	7+00	S	<5	<0.2	3.17	10	190	<5	0.43	<1	14	34	21	3.84	20	0.48	490	<1	0.01	16	1940	38	<5	<20	41	0.16	<10	67	<10	5	55
158	L8+00W	7+25	S	<5	<0.2	2.42	10	165	<5	0.38	<1	11	26	23	3.12	20	0.37	767	<1	0.01	12	1280	28	<5	<20	31	0.13	<10	49	<10	6	91
159	L8+00W	7+50	S	<5	<0.2	2.24	<5	125	<5	0.54	<1	11	25	19	2.86	20	0.32	509	<1	0.02	13	850	26	<5	<20	40	0.12	<10	48	<10	8	57
160	L8+00W	0+25	N	10	0.6	2.59	100	95	<5	0.77	3	35	35	129	6.45	20	0.89	1063	8	0.02	95	1160	32	<5	<20	57	0.13	<10	131	<10	8	287
161	L8+00W	0+50	N	<5	<0.2	2.44	280	90	<5	0.51	<1	37	45	118	6.25	10	1.13	705	6	0.02	92	710	40	<5	<20	35	0.17	<10	159	<10	6	346
162	L8+00W	0+75	N	<5	<0.2	2.76	185	85	<5	0.66	<1	24	23	99	3.98	<10	0.47	676	3	0.03	62	1630	28	<5	<20	48	0.13	<10	79	<10	6	271
163	L8+00W	1+00	N	<5	0.4	2.65	210	90	<5	0.61	1	34	39	129	7.20	<10	0.84	879	12	0.02	104	960	26	<5	<20	52	0.12	<10	143	<10	8	439
164	L8+00W	1+25	N	<5	0.2	3.57	70	85	<5	0.67	<1	14	14	44	2.79	<10	0.25	687	<1	0.04	32	2080	36	<5	<20	49	0.17	<10	50	<10	8	150
165	L8+00W	1+50	N	<5	0.2	3.39	30	85	<5	0.59	<1	16	18	39	2.78	<10	0.35	650	<1	0.04	31	1700	36	<5	<20	45	0.17	<10	52	<10	7	134

GEOQUEST CONSULTING LTD. ICP CERTIFICATE OF ANALYSIS AK 96-1003 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
166	L8+00W	1+75	N	<5	<0.2	3.09	45	195	<5	0.67	<1	9	10	19	2.11	<10	0.21	903	<1	0.03	14	7390	36	<5	<20	80	0.16	<10	31	<10	6	154
167	L8+00W	2+00	N	<5	<0.2	3.07	65	160	5	0.75	<1	8	9	15	1.83	<10	0.18	706	<1	0.03	16	6200	34	<5	<20	77	0.15	<10	24	<10	6	366
168	L8+00W	2+25	N	<5	<0.2	2.75	30	85	<5	0.40	<1	10	11	18	2.01	<10	0.18	571	<1	0.03	23	1020	28	<5	<20	35	0.14	<10	31	<10	5	133
169	L8+00W	2+50	N	<5	<0.2	2.28	15	125	<5	0.50	<1	10	20	20	2.53	20	0.31	467	<1	0.02	16	1550	28	<5	<20	52	0.13	<10	38	<10	3	229
170	L8+00W	2+75	N	5	0.4	3.32	10	120	<5	0.77	<1	12	19	28	2.92	30	0.41	531	<1	0.04	13	1220	42	<5	<20	74	0.17	<10	50	<10	10	68
171	L8+00W	3+00	N	NO SAMPLE																												
172	L8+00W	3+25	N	NO SAMPLE																												
173	L8+00W	3+50	N	NO SAMPLE																												
174	L8+00W	3+75	N	<5	<0.2	2.55	<5	140	5	0.41	<1	9	19	16	2.48	10	0.29	688	<1	0.02	9	1340	28	<5	<20	36	0.14	<10	45	<10	5	41
175	L8+00W	4+00	N	<5	<0.2	2.38	<5	145	<5	0.48	<1	9	20	15	2.56	20	0.31	517	<1	0.02	9	1430	28	<5	<20	39	0.13	<10	45	<10	6	39
176	L11+00	0+25	N	<5	<0.2	1.89	10	165	<5	0.53	<1	8	11	25	1.87	<10	0.22	540	<1	0.03	15	2330	20	<5	<20	63	0.10	<10	29	<10	5	70
177	L11+00	0+50	N	<5	<0.2	2.29	20	140	<5	0.52	<1	15	21	39	3.46	<10	0.53	530	1	0.02	44	2590	24	<5	<20	55	0.11	<10	59	<10	5	186
178	L11+00	0+75	N	<5	<0.2	2.34	5	105	<5	0.47	<1	7	9	21	1.65	<10	0.20	471	<1	0.04	10	1800	24	<5	<20	51	0.11	<10	24	<10	6	44
179	L11+00	1+00	N	<5	0.2	2.05	<5	90	<5	0.36	<1	9	21	20	2.52	20	0.32	247	<1	0.03	11	650	24	<5	<20	48	0.12	<10	43	<10	5	33
180	L11+00	1+25	N	5	<0.2	1.77	10	150	<5	0.35	<1	7	9	16	1.48	<10	0.20	548	<1	0.03	11	2410	18	<5	<20	38	0.10	<10	22	<10	3	56
181	L11+00	1+50	N	<5	<0.2	2.24	<5	110	<5	0.44	<1	9	16	21	2.39	10	0.30	400	<1	0.03	16	2220	26	<5	<20	41	0.12	<10	37	<10	5	72
182	L11+00	1+75	N	5	<0.2	1.92	<5	185	<5	0.55	<1	9	20	14	2.48	10	0.26	642	<1	0.03	10	3800	24	<5	<20	65	0.11	<10	37	<10	5	78
183	L11+00	2+00	N	NO SAMPLE																												
184	L11+00	2+25	N	NO SAMPLE																												
185	L11+00	2+50	N	NO SAMPLE																												
186	L11+00	2+75	N	NO SAMPLE																												
187	L11+00	3+00	N	NO SAMPLE																												
188	L11+00	3+25	N	<5	<0.2	3.14	10	180	<5	0.47	<1	12	18	23	3.02	10	0.46	537	<1	0.02	10	960	32	<5	<20	50	0.15	<10	46	<10	7	56
189	L11+00	3+50	N	30	<0.2	2.81	5	150	<5	0.48	<1	11	27	23	2.98	30	0.46	624	<1	0.02	13	1260	34	<5	<20	43	0.15	<10	49	<10	13	65
190	L11+00	3+75	N	<5	<0.2	3.50	<5	130	<5	0.43	<1	13	22	24	3.20	20	0.44	721	<1	0.02	11	2780	38	<5	<20	33	0.17	<10	56	<10	7	83
191	L11+00	4+00	N	<5	<0.2	3.06	<5	160	<5	0.40	<1	10	19	21	2.67	20	0.36	574	<1	0.02	10	1650	34	<5	<20	34	0.15	<10	42	<10	10	62
192	L11+00	0+25	S	<5	<0.2	1.78	<5	115	<5	0.41	<1	8	15	25	1.87	<10	0.31	342	<1	0.03	14	1030	20	<5	<20	53	0.11	<10	29	<10	4	40
193	L11+00	0+50	S	5	<0.2	2.79	10	160	<5	0.43	<1	9	17	22	2.38	20	0.31	465	<1	0.03	11	1720	30	<5	<20	54	0.14	<10	37	<10	6	49
194	L11+00	0+75	S	<5	0.4	2.78	15	250	<5	0.43	<1	11	19	34	2.85	20	0.37	967	<1	0.02	13	1500	34	<5	<20	51	0.14	<10	45	<10	10	83
195	L11+00	1+00	S	<5	<0.2	3.57	10	255	<5	0.45	<1	16	24	47	3.71	20	0.47	729	<1	0.02	17	1200	38	<5	<20	55	0.17	<10	60	<10	7	82
196	L11+00	1+25	S	5	<0.2	2.47	<5	175	<5	0.36	<1	12	26	21	3.14	20	0.41	656	<1	0.01	13	1620	30	<5	<20	38	0.13	<10	52	<10	5	67
197	L11+00	1+50	S	5	<0.2	3.35	<5	135	<5	0.42	1	14	27	30	3.67	20	0.55	480	<1	0.01	12	1200	38	<5	<20	36	0.17	<10	61	<10	8	80
198	L11+00	1+75	S	<5	0.2	1.70	<5	85	<5	0.38	<1	12	35	35	3.52	20	0.50	291	<1	<0.01	16	930	22	<5	<20	32	0.12	<10	65	<10	4	38
199	L11+00	2+00	S	<5	<0.2	3.07	10	240	<5	0.45	<1	13	29	29	3.76	10	0.49	963	<1	0.01	15	4210	36	<5	<20	51	0.14	<10	61	<10	4	77
200	L11+00	2+25	S	<5	<0.2	2.56	10	215	<5	0.38	<1	11	24	21	3.11	10	0.40	560	<1	0.02	13	1380	26	<5	<20	42	0.13	<10	50	<10	4	59

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	L11+00	2+50	S	<5	<0.2	2.55	10	135	<5	0.41	<1	11	23	27	2.65	10	0.36	540	<1	0.02	16	1710	28	<5	<20	38	0.13	<10	45	<10	6	55
202	L11+00	2+75	S	<5	<0.2	2.95	20	130	<5	0.42	<1	15	32	36	3.54	20	0.53	526	<1	0.02	27	1710	36	<5	<20	45	0.17	<10	63	<10	9	113
203	L11+00	3+00	S	<5	<0.2	2.97	15	110	<5	0.38	<1	13	29	42	3.11	10	0.43	850	<1	0.02	17	2740	34	<5	<20	30	0.15	<10	52	<10	7	83
204	L11+00	3+25	S	<5	<0.2	2.11	<5	145	<5	0.36	<1	10	27	22	2.99	20	0.36	501	<1	0.01	13	1360	26	<5	<20	35	0.12	<10	50	<10	4	49
205	L11+00	3+50	S	5	<0.2	2.45	5	145	<5	0.41	<1	10	20	23	2.55	20	0.31	476	<1	0.02	11	1880	28	<5	<20	42	0.13	<10	42	<10	7	43
206	L11+00	3+75	S	<5	<0.2	2.24	15	180	<5	0.41	<1	11	26	37	3.07	10	0.38	617	<1	0.02	19	1650	24	<5	<20	45	0.12	<10	45	<10	4	60
207	L11+00	4+00	S	<5	<0.2	4.13	15	165	<5	0.73	<1	14	32	30	3.26	10	0.45	972	<1	0.02	15	4680	44	<5	<20	80	0.18	<10	59	<10	5	66
208	L11+00	4+25	S	<5	0.4	2.47	5	170	<5	0.38	<1	12	27	33	3.17	20	0.41	543	<1	0.02	13	1410	28	<5	<20	41	0.14	<10	54	<10	5	47
209	L11+00	4+50	S	<5	<0.2	2.47	10	170	<5	0.36	<1	14	32	38	3.49	20	0.45	588	<1	0.01	20	1140	30	<5	<20	39	0.14	<10	59	<10	6	63
210	L11+00	4+75	S	15	<0.2	1.83	5	175	<5	0.46	<1	11	25	33	3.01	20	0.38	673	<1	0.01	14	1990	24	<5	<20	47	0.12	<10	49	<10	5	69
211	L11+00	5+00	S	<5	<0.2	2.46	10	145	<5	0.42	<1	10	21	25	2.84	20	0.32	569	<1	0.02	12	2420	30	<5	<20	40	0.13	<10	46	<10	6	59
212	L11+00	5+25	S	<5	0.4	2.20	10	175	<5	0.39	<1	11	24	18	3.04	20	0.33	766	<1	0.02	12	2610	28	<5	<20	34	0.13	<10	51	<10	6	60
213	L11+00	5+50	S	<5	<0.2	1.80	<5	120	5	0.31	<1	10	24	15	2.89	10	0.31	591	<1	0.01	12	2030	26	<5	<20	32	0.11	<10	47	<10	4	58
214	L11+00	5+75	S	10	<0.2	2.01	10	135	<5	0.42	<1	8	17	15	2.27	10	0.27	627	<1	0.02	10	2280	22	<5	<20	37	0.11	<10	37	<10	5	58
215	L11+00	6+00	S	<5	<0.2	2.00	20	85	<5	0.53	<1	8	15	21	1.97	20	0.26	578	<1	0.03	9	1060	24	<5	<20	47	0.11	<10	32	<10	6	56

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:																																
1	L15	8+25	W	<5	0.6	2.93	15	145	<5	0.71	<1	34	30	186	6.85	30	0.69	1210	6	0.02	26	750	14	<5	<20	54	0.12	<10	101	<10	17	107
10	L15	10+50	W	<5	0.8	1.57	5	480	<5	1.29	1	13	20	160	3.39	10	0.36	1310	3	0.01	21	2520	16	<5	<20	103	0.07	<10	40	<10	9	91
19	L25	10+00	W	15	0.2	2.24	<5	445	<5	0.87	1	19	30	92	4.75	30	0.51	1264	3	0.01	24	3910	18	<5	<20	79	0.09	<10	65	<10	11	114
28	B/L	9+25	W	<5	0.4	2.63	45	115	<5	0.64	<1	21	25	55	4.68	30	0.60	609	4	0.01	46	2100	12	<5	<20	56	0.12	<10	81	<10	9	184
36	B/L	01+00	W	<5	<0.2	2.38	<5	165	<5	0.47	1	11	20	16	2.97	10	0.33	1393	<1	0.01	17	2330	10	<5	<20	39	0.14	<10	55	<10	4	152
46	B/L	03+50	W	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	B/L	5+50	W	<5	<0.2	2.62	35	85	<5	0.46	<1	29	32	92	4.97	<10	0.65	738	5	0.01	58	870	10	<5	<20	29	0.14	<10	111	<10	8	102
63	B/L	7+75	W	25	0.2	1.80	55	65	<5	0.68	2	25	29	105	6.76	20	0.70	616	14	<0.01	85	610	12	<5	<20	38	0.07	<10	139	<10	11	369
71	LIN	10+00	W	<5	<0.2	2.81	20	140	<5	0.81	<1	19	32	74	4.78	30	0.73	906	5	0.01	26	860	12	<5	<20	53	0.12	<10	86	<10	15	82
80	L2N	9+50	W	<5	<0.2	3.43	5	90	<5	0.89	<1	26	73	36	5.53	50	1.92	651	<1	0.01	78	890	20	<5	<20	65	0.18	<10	77	<10	7	104
89	L3N	9+00	W	10	0.4	2.85	35	115	<5	0.90	<1	21	20	49	5.34	10	0.76	1336	5	0.01	25	1340	42	<5	<20	60	0.13	<10	83	<10	17	130
98	L4N	8+50	W	15	0.4	2.79	70	100	<5	0.63	<1	33	32	83	6.52	10	0.64	1451	8	0.01	57	1270	8	<5	<20	40	0.14	<10	114	<10	12	187
106	L4N	10+50	W	<5	<0.2	3.10	10	100	<5	0.53	<1	10	11	21	2.24	10	0.26	451	<1	0.03	12	1580	30	<5	<20	48	0.15	<10	32	<10	10	45
115	L5N	10+00	W	20	0.4	2.57	<5	180	<5	1.02	1	7	10	21	2.11	<10	0.26	309	<1	0.03	8	4750	32	<5	<20	97	0.13	<10	29	<10	8	55
124	L6N	9+50	W	<5	0.4	2.30	5	85	<5	0.50	1	8	12	19	2.08	10	0.25	392	<1	0.03	8	1510	26	<5	<20	41	0.12	<10	32	<10	7	51
133	L8+00W	1+00	S	<5	0.8	3.81	35	265	<5	0.68	2	20	24	56	4.52	70	0.60	899	3	0.02	36	930	50	<5	<20	71	0.14	<10	81	<10	20	228
150	L8+00W	5+25	S	<5	<0.2	2.18	10	120	<5	0.45	<1	12	29	21	3.34	40	0.43	774	<1	0.01	13	930	28	<5	<20	33	0.12	<10	59	<10	11	48
159	L8+00W	7+50	S	<5	<0.2	2.27	<5	130	<5	0.55	<1	10	25	19	2.79	20	0.31	516	<1	0.02	12	910	28	<5	<20	42	0.12	<10	47	<10	8	60
168	L8+00W	2+25	N	<5	0.4	2.70	25	80	<5	0.39	<1	10	11	18	1.95	<10	0.18	564	<1	0.03	21	980	28	<5	<20	34	0.14	<10	30	<10	5	128
176	L11+00	0+25	N	<5	<0.2	1.89	5	165	<5	0.53	<1	8	11	25	1.85	<10	0.22	536	<1	0.03	14	2310	20	<5	<20	64	0.10	<10	28	<10	5	69
194	L11+00	0+75	S	<5	<0.2	2.83	10	245	<5	0.44	<1	11	19	35	2.90	20	0.37	979	<1	0.03	12	1520	38	<5	<20	49	0.14	<10	46	<10	10	85
203	L11+00	3+00	S	<5	<0.2	3.03	10	115	<5	0.39	<1	13	29	43	3.15	10	0.44	863	<1	0.02	17	2780	30	<5	<20	35	0.16	<10	53	<10	7	83
211	L11+00	5+00	S	<5	<0.2	2.46	10	140	<5	0.42	<1	10	21	25	2.85	20	0.32	563	<1	0.02	13	2470	30	<5	<20	41	0.13	<10	47	<10	6	60

19-Sep-96

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 604-573-5700
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ICP CERTIFICATE OF ANALYSIS AK 96-1041

GEOQUEST CONSULTING LTD.
R.R.#3, SITE 11, COMP.180
VERNON, B.C.
V1T 6L6

ATTENTION: WARNER GRUENWALD

No. of samples received: 261
Sample type: SOIL
PROJECT #: PATHFINDER
SHIPMENT #: 2
Samples submitted by: JOHN KEMP

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	L01 + 00W	00 + 25	N	<5	<0.2	2.45	<5	135	<5	0.38	<1	9	19	12	2.34	10	0.29	429	<1	0.02	10	1730	26	<5	<20	38	0.14	<10	42	<10	4	65
2	L01 + 00W	00 + 50	N	5	<0.2	2.66	5	105	<5	0.36	<1	10	23	14	2.33	<10	0.40	411	<1	0.02	30	1620	36	<5	<20	34	0.16	<10	40	<10	3	59
3	L01 + 00W	00 + 75	N	<5	<0.2	2.51	<5	125	<5	0.35	2	16	25	31	3.60	<10	0.42	488	3	0.02	43	960	26	<5	<20	32	0.14	<10	78	<10	5	249
4	L01 + 00W	01 + 00	N	<5	0.4	1.78	<5	155	<5	0.39	1	8	20	10	2.17	20	0.27	511	<1	0.02	11	1500	20	<5	<20	33	0.12	<10	39	<10	3	119
5	L01 + 00W	01 + 25	N	<5	<0.2	1.94	<5	135	<5	0.43	<1	7	17	9	2.04	10	0.24	363	<1	0.02	13	1680	22	<5	<20	39	0.12	<10	35	<10	4	73
6	L01 + 00W	01 + 50	N	5	<0.2	2.51	<5	160	<5	0.37	<1	8	16	12	2.02	10	0.23	445	<1	0.03	13	1510	26	<5	<20	40	0.13	<10	34	<10	5	50
7	L01 + 00W	01 + 75	N	<5	0.4	1.96	<5	135	<5	0.40	<1	9	22	9	2.35	10	0.29	330	<1	0.02	12	660	22	<5	<20	32	0.14	<10	44	<10	4	51
8	L01 + 00W	02 + 00	N	<5	<0.2	2.21	<5	115	<5	0.35	<1	8	15	10	1.97	10	0.22	471	<1	0.02	13	2090	24	<5	<20	31	0.12	<10	33	<10	6	82
9	L01 + 00W	02 + 25	N	<5	<0.2	1.93	<5	125	<5	0.44	1	11	31	12	2.83	20	0.43	386	<1	0.02	17	1010	22	<5	<20	37	0.14	<10	50	<10	6	116
10	L01 + 00W	02 + 50	N	<5	<0.2	2.61	15	130	<5	0.41	4	10	15	17	2.28	10	0.22	554	<1	0.03	18	4250	26	<5	<20	38	0.13	<10	39	<10	7	339
11	L01 + 00W	02 + 75	N	5	0.2	2.47	55	110	10	0.66	3	18	40	69	4.99	10	0.70	447	5	0.02	37	2040	24	<5	<20	52	0.12	<10	160	<10	8	370
12	L01 + 00W	03 + 00	N	<5	<0.2	2.52	25	110	<5	0.69	4	16	25	40	3.92	30	0.46	657	2	0.02	31	1680	30	<5	<20	64	0.13	<10	83	<10	12	334
13	L02 + 00W	00 + 25	N	<5	<0.2	2.77	<5	150	<5	0.47	<1	11	20	17	2.64	20	0.33	857	<1	0.02	11	2070	32	<5	<20	39	0.14	<10	49	<10	6	83
14	L02 + 00W	00 + 50	N	<5	0.4	2.28	10	160	<5	0.44	2	8	12	14	1.74	30	0.17	802	<1	0.03	17	1810	28	<5	<20	42	0.13	<10	27	<10	5	240
15	L02 + 00W	00 + 75	N	<5	<0.2	1.93	<5	135	<5	0.37	<1	9	19	12	2.32	10	0.25	662	<1	0.02	16	1770	22	<5	<20	32	0.12	<10	41	<10	4	83
16	L02 + 00W	01 + 00	N	<5	0.4	2.54	<5	120	<5	0.41	<1	11	23	17	2.71	10	0.35	484	<1	0.02	18	830	26	<5	<20	31	0.15	<10	54	<10	5	52
17	L02 + 00W	01 + 25	N	<5	<0.2	3.35	10	115	<5	0.43	<1	14	19	37	3.10	10	0.32	700	<1	0.02	18	1720	36	<5	<20	40	0.16	<10	58	<10	8	61
18	L02 + 00W	01 + 50	N	<5	0.2	2.69	<5	110	<5	0.41	<1	10	19	14	2.57	10	0.30	338	<1	0.02	14	940	28	<5	<20	29	0.15	<10	46	<10	5	43
19	L02 + 00W	01 + 75	N	<5	<0.2	2.14	<5	120	<5	0.36	<1	10	23	10	2.88	10	0.34	629	<1	0.01	10	1550	30	<5	<20	27	0.14	<10	50	<10	5	62
20	L02 + 00W	02 + 00	N	<5	0.2	2.54	<5	110	<5	0.37	<1	10	22	11	2.64	30	0.35	332	<1	0.02	16	700	28	<5	<20	36	0.15	<10	46	<10	7	57
21	L02 + 00W	02 + 25	N	<5	<0.2	2.48	<5	100	5	0.35	<1	8	13	11	1.83	10	0.19	383	<1	0.03	12	1760	26	<5	<20	33	0.13	<10	29	<10	4	65
22	L02 + 00W	02 + 50	N	<5	0.2	1.02	<5	45	<5	0.43	<1	10	22	12	2.66	20	0.36	250	<1	<0.01	9	690	12	<5	<20	25	0.14	<10	59	<10	6	33
23	L02 + 00W	02 + 75	N	<5	<0.2	1.31	<5	55	<5	0.35	<1	11	23	14	2.92	10	0.42	289	<1	0.01	12	570	14	<5	<20	24	0.13	<10	68	<10	4	51
24	L02 + 00W	03 + 00	N	<5	0.2	1.87	10	200	<5	1.47	3	13	18	33	2.79	30	0.34	2267	<1	0.02	16	2630	28	<5	<20	105	0.11	<10	44	<10	7	219
25	L02 + 00W	03 + 25	N	5	<0.2	2.68	20	160	<5	1.08	<1	20	19	44	4.99	70	0.92	2709	<1	0.01	8	1550	46	<5	<20	61	0.18	<10	82	<10	40	102

GEOQUEST CONSULTING LTD. ICP CERTIFICATE OF ANALYSIS AK 96-1041 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	L03 + 00W	00 + 25	N	<5	0.2	3.68	15	270	<5	0.87	<1	12	17	25	3.04	20	0.33	1628	<1	0.02	10	6490	48	<5	<20	92	0.16	<10	47	<10	6	84
27	L03 + 00W	00 + 50	N	<5	<0.2	2.54	<5	130	<5	0.48	<1	11	21	17	2.67	20	0.34	635	<1	0.02	13	1730	28	<5	<20	41	0.14	<10	49	<10	6	53
28	L03 + 00W	00 + 75	N	<5	<0.2	3.51	5	95	<5	0.52	<1	13	27	15	3.40	50	0.47	474	<1	0.01	12	2530	40	<5	<20	45	0.17	<10	60	<10	11	49
29	L03 + 00W	01 + 00	N	<5	<0.2	1.95	5	95	<5	0.28	<1	10	17	14	2.60	20	0.27	738	<1	0.02	7	2150	32	<5	<20	26	0.12	<10	42	<10	4	68
30	L03 + 00W	01 + 25	N	<5	<0.2	3.23	10	100	<5	0.50	<1	13	22	23	3.01	30	0.43	689	<1	0.02	21	1610	34	<5	<20	36	0.17	<10	57	<10	12	65
31	L03 + 00W	01 + 50	N	<5	<0.2	2.69	10	100	<5	0.33	<1	12	19	24	2.66	<10	0.34	606	<1	0.03	25	1030	26	<5	<20	27	0.15	<10	54	<10	5	53
32	L03 + 00W	01 + 75	N	<5	<0.2	2.21	45	100	<5	0.33	<1	39	34	122	7.44	<10	0.70	496	13	0.02	93	1050	18	<5	<20	33	0.12	<10	140	<10	<1	97
33	L03 + 00W	02 + 00	N	15	<0.2	2.34	305	60	<5	0.86	<1	86	52	215	>10	<10	1.92	3255	32	<0.01	114	1310	14	<5	<20	45	0.13	<10	268	<10	6	71
34	L03 + 00W	02 + 25	N	<5	0.2	2.58	10	100	<5	0.36	<1	11	24	15	2.75	10	0.38	454	<1	0.02	23	1260	26	<5	<20	33	0.15	<10	48	<10	5	94
35	L03 + 00W	02 + 50	N	<5	0.4	2.17	<5	165	<5	0.38	<1	9	20	10	2.22	10	0.29	303	<1	0.02	17	1840	22	<5	<20	36	0.13	<10	37	<10	5	104
36	L03 + 00W	02 + 75	N	<5	<0.2	4.14	10	110	<5	0.44	<1	10	12	12	2.44	30	0.22	323	<1	0.03	12	3450	42	<5	<20	43	0.19	<10	35	<10	13	77
37	L03 + 00W	03 + 00	N	<5	<0.2	1.93	10	85	<5	0.29	<1	9	16	12	2.65	<10	0.35	240	<1	0.01	8	870	26	<5	<20	34	0.10	<10	41	<10	7	66
38	L03 + 00W	03 + 25	N	<5	1.0	3.04	15	90	<5	0.93	<1	14	19	45	3.21	260	0.33	1229	2	0.03	15	1250	32	<5	<20	53	0.08	<10	47	<10	88	77
39	L03 + 00W	03 + 50	N	10	1.0	1.96	45	70	<5	2.15	4	29	29	147	5.91	30	0.73	1750	5	0.02	59	2240	28	<5	<20	111	0.07	<10	103	<10	22	444
40	L03 + 00W	00 + 25	S	<5	0.4	1.46	10	170	<5	0.62	<1	10	13	25	2.21	20	0.27	1714	<1	0.02	11	1900	26	<5	<20	53	0.09	<10	43	<10	4	106
41	L03 + 00W	00 + 50	S	<5	0.4	1.94	15	130	<5	0.75	<1	14	16	32	2.88	10	0.34	1816	<1	0.02	16	1870	24	<5	<20	53	0.10	<10	59	<10	9	81
42	L03 + 00W	00 + 75	S	<5	<0.2	2.84	15	125	<5	0.65	2	21	26	77	4.44	<10	1.38	2635	6	0.02	60	920	28	<5	<20	48	0.12	<10	141	<10	10	342
43	L03 + 00W	01 + 00	S	5	0.4	2.96	10	80	5	0.96	<1	16	15	39	3.37	40	0.73	1545	2	0.02	9	1480	32	<5	<20	48	0.11	<10	72	<10	48	83
44	L03 + 00W	01 + 25	S	<5	<0.2	3.52	5	155	<5	0.69	<1	13	19	28	3.39	30	0.52	996	<1	0.02	10	710	36	<5	<20	50	0.17	<10	61	<10	26	73
45	L03 + 00W	01 + 50	S	<5	<0.2	2.24	<5	110	<5	0.60	1	13	21	30	2.72	20	0.38	632	<1	0.02	19	880	24	<5	<20	38	0.13	<10	56	<10	8	136
46	L03 + 00W	01 + 75	S	<5	0.4	3.05	<5	190	<5	1.32	<1	20	89	46	3.89	30	1.13	1647	<1	0.02	31	1360	36	<5	<20	83	0.18	<10	81	<10	13	76
47	L03 + 00W	02 + 00	S	<5	0.2	2.72	5	150	<5	0.71	<1	13	27	18	3.43	70	0.48	1193	<1	0.01	10	1250	36	<5	<20	56	0.07	<10	49	<10	20	65
48	L03 + 00W	02 + 25	S	<5	<0.2	2.82	<5	170	<5	0.47	<1	11	19	15	2.87	50	0.36	718	<1	0.02	7	760	36	<5	<20	47	0.10	<10	41	<10	12	50
49	L03 + 00W	02 + 50	S	5	<0.2	3.08	<5	120	<5	0.48	<1	13	24	19	3.23	20	0.41	730	<1	0.01	13	1350	32	<5	<20	31	0.15	<10	64	<10	9	69
50	L03 + 00W	02 + 75	S	15	1.2	2.90	<5	110	<5	1.25	1	22	26	459	3.44	10	0.59	1850	<1	0.02	11	1590	30	<5	<20	70	0.14	<10	71	<10	5	87
51	L03 + 00W	03 + 00	S	<5	<0.2	2.88	<5	90	<5	1.21	<1	13	22	26	2.69	10	0.56	1145	<1	0.03	10	980	30	<5	<20	104	0.13	<10	57	<10	9	46
52	L03 + 00W	03 + 25	S	<5	<0.2	3.88	<5	160	<5	0.60	<1	16	30	15	3.67	10	0.70	870	<1	0.02	12	880	32	<5	<20	56	0.17	<10	84	<10	8	57
53	L03 + 00W	03 + 50	S	<5	0.2	3.15	<5	125	<5	0.83	<1	16	26	19	3.48	<10	0.78	1486	<1	0.02	11	850	30	<5	<20	71	0.12	<10	81	<10	10	55
54	L03 + 00W	03 + 75	S	115	0.2	2.91	<5	140	<5	1.14	1	19	34	38	3.96	20	1.01	2073	<1	0.02	20	1280	32	<5	<20	79	0.09	<10	80	<10	23	70
55	L03 + 00W	04 + 00	S	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
56	L03 + 00W	04 + 25	S	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
57	L03 + 00W	04 + 50	S	<5	0.2	3.97	<5	215	<5	0.82	<1	26	87	36	4.90	30	1.65	1261	<1	0.02	70	1200	40	<5	<20	68	0.23	<10	94	<10	18	63
58	L03 + 00W	04 + 75	S	10	0.2	2.66	<5	105	<5	0.51	<1	17	32	32	3.30	20	0.64	1131	<1	0.02	17	1350	28	<5	<20	27	0.12	<10	61	<10	8	77
59	L03 + 00W	05 + 00	S	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
60	L03 + 00W	05 + 25	S	5	<0.2	3.35	15	105	<5	0.84	<1	17	23	55	3.52	20	0.64	1248	<1	0.02	12	1560	38	<5	<20	45	0.14	<10	81	<10	15	91

GEOQUEST CONSULTING LTD. ICP CERTIFICATE OF ANALYSIS AK 96-1041 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
61	L03 + 00W	05 + 50	S	<5	0.4	3.31	10	165	<5	0.65	<1	21	27	69	3.71	20	0.49	761	<1	0.02	26	920	32	<5	<20	46	0.15	<10	74	<10	12	79
62	L03 + 00W	05 + 75	S	<5	0.4	2.84	15	105	<5	0.67	<1	16	31	45	3.61	30	0.49	809	<1	0.01	17	1070	40	<5	<20	47	0.12	<10	78	<10	18	70
63	L03 + 00W	06 + 00	S	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
64	L03 + 00W	06 + 25	S	10	<0.2	2.98	5	120	<5	0.61	<1	13	30	25	3.30	30	0.46	683	<1	0.02	13	910	30	<5	<20	39	0.15	<10	66	<10	14	52
65	L03 + 00W	06 + 50	S	<5	<0.2	2.36	<5	110	<5	0.67	<1	10	25	17	2.71	20	0.36	507	<1	0.02	10	920	24	<5	<20	43	0.13	<10	47	<10	7	45
66	L03 + 00W	06 + 75	S	<5	0.4	2.09	<5	95	<5	0.46	<1	9	18	19	2.13	20	0.28	459	<1	0.03	9	550	22	<5	<20	35	0.12	<10	36	<10	8	38
67	L03 + 00W	07 + 00	S	<5	0.4	1.60	<5	155	<5	0.63	<1	8	18	13	2.18	20	0.27	1116	<1	0.02	7	1080	28	<5	<20	44	0.10	<10	38	<10	4	65
68	L03 + 00W	07 + 25	S	<5	<0.2	1.79	<5	125	<5	0.44	<1	10	22	14	2.66	30	0.29	641	<1	0.01	8	560	24	<5	<20	34	0.12	<10	46	<10	7	41
69	L03 + 00W	07 + 50	S	<5	0.2	1.54	<5	95	<5	0.66	<1	8	17	17	2.10	20	0.25	422	<1	0.03	8	640	18	<5	<20	40	0.10	<10	36	<10	7	43
70	L03 + 00W	07 + 75	S	<5	<0.2	2.09	<5	85	<5	0.42	<1	9	19	15	2.40	20	0.27	404	<1	0.02	10	1640	22	<5	<20	29	0.12	<10	43	<10	7	47
71	L03 + 00W	08 + 00	S	<5	<0.2	1.59	<5	175	<5	0.40	<1	7	20	10	2.08	10	0.27	740	<1	0.02	11	1840	18	<5	<20	33	0.09	<10	33	<10	4	62
72	L04 + 00W	00 + 25	N	<5	<0.2	1.96	<5	115	<5	0.39	<1	10	14	20	2.14	<10	0.26	1091	<1	0.02	12	1590	24	<5	<20	30	0.11	<10	41	<10	5	67
73	L04 + 00W	00 + 50	N	5	<0.2	1.45	30	40	<5	0.44	<1	25	40	87	5.13	<10	1.12	255	8	<0.01	51	1250	20	<5	<20	20	0.13	<10	163	<10	1	32
74	L04 + 00W	00 + 75	N	<5	<0.2	2.21	5	155	<5	0.43	2	11	14	22	2.26	<10	0.24	896	<1	0.02	23	2340	22	<5	<20	44	0.11	<10	38	<10	4	254
75	L04 + 00W	01 + 00	N	<5	0.4	2.72	20	105	<5	0.35	<1	15	20	28	3.12	10	0.35	892	<1	0.02	29	1430	24	<5	<20	29	0.14	<10	59	<10	5	118
76	L04 + 00W	01 + 25	N	<5	<0.2	2.50	<5	125	<5	0.54	2	14	18	31	3.28	<10	0.33	938	3	0.03	38	1500	28	<5	<20	43	0.12	<10	57	<10	5	364
77	L04 + 00W	01 + 50	N	<5	0.2	2.04	5	135	<5	0.42	<1	9	17	17	2.33	10	0.26	528	<1	0.02	14	1790	22	<5	<20	37	0.12	<10	40	<10	5	65
78	L04 + 00W	01 + 75	N	<5	0.4	2.30	<5	135	<5	0.42	<1	10	20	12	2.55	20	0.31	388	<1	0.02	11	830	26	<5	<20	31	0.15	<10	44	<10	5	54
79	L04 + 00W	02 + 00	N	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
80	L04 + 00W	02 + 25	N	<5	0.2	2.60	<5	115	<5	0.43	<1	10	22	14	2.67	20	0.36	512	<1	0.01	10	2070	28	<5	<20	37	0.14	<10	51	<10	6	44
81	L04 + 00W	02 + 50	N	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
82	L04 + 00W	02 + 75	N	<5	0.4	3.04	5	150	<5	0.35	<1	12	23	17	2.85	20	0.46	360	<1	0.02	12	820	30	<5	<20	47	0.17	<10	50	<10	7	46
83	L04 + 00W	03 + 00	N	<5	<0.2	3.83	5	155	<5	0.35	<1	10	15	16	2.47	10	0.27	304	<1	0.03	11	1380	36	<5	<20	36	0.19	<10	41	<10	11	60
84	L04 + 00W	03 + 25	N	5	0.2	3.15	<5	120	<5	0.45	<1	9	13	13	2.16	<10	0.22	412	<1	0.03	10	2440	32	<5	<20	41	0.16	<10	32	<10	6	69
85	L04 + 00W	03 + 50	N	<5	<0.2	2.72	<5	155	<5	0.52	<1	10	16	15	2.27	10	0.27	1079	<1	0.03	12	1420	26	<5	<20	49	0.13	<10	37	<10	7	81
86	L04 + 00W	03 + 75	N	<5	0.8	3.15	10	95	<5	0.47	<1	8	8	16	1.65	20	0.16	365	<1	0.04	9	2120	28	<5	<20	46	0.14	<10	22	<10	10	57
87	L04 + 00W	04 + 00	N	<5	<0.2	2.33	5	230	<5	1.49	1	23	25	62	4.68	<10	0.68	2066	1	0.03	23	6120	22	<5	<20	149	0.11	<10	79	<10	12	280
88	L04 + 00W	00 + 25	S	15	0.6	3.24	35	110	<5	0.65	2	36	38	114	7.04	20	0.93	2427	10	0.01	83	2020	30	<5	<20	51	0.13	<10	178	<10	20	271
89	L04 + 00W	00 + 50	S	<5	<0.2	2.60	10	180	<5	0.59	<1	13	20	27	2.97	20	0.36	884	<1	0.02	18	890	28	<5	<20	61	0.13	<10	58	<10	9	115
90	L04 + 00W	00 + 75	S	10	0.4	3.01	<5	170	<5	0.66	3	17	25	42	3.75	20	0.47	1098	<1	0.02	28	1350	32	<5	<20	58	0.15	<10	82	<10	13	239
91	L04 + 00W	01 + 00	S	<5	<0.2	3.08	5	65	<5	0.72	1	11	15	52	2.46	20	0.30	670	<1	0.03	19	920	28	<5	<20	47	0.15	<10	44	<10	16	140
92	L04 + 00W	01 + 25	S	<5	0.2	2.14	<5	125	<5	0.50	<1	9	16	16	2.24	10	0.27	567	<1	0.02	9	2240	24	<5	<20	41	0.12	<10	38	<10	5	84
93	L04 + 00W	01 + 50	S	<5	<0.2	1.97	<5	100	<5	0.67	<1	9	17	14	2.31	20	0.27	601	<1	0.02	8	1560	20	<5	<20	36	0.12	<10	39	<10	6	58
94	L04 + 00W	01 + 75	S	<5	<0.2	1.98	<5	115	<5	0.53	<1	10	17	12	2.31	10	0.25	520	<1	0.02	10	810	22	<5	<20	39	0.12	<10	37	<10	6	56
95	L04 + 00W	02 + 00	S	5	<0.2	3.21	<5	80	<5	0.50	<1	11	20	18	2.77	30	0.31	566	<1	0.02	10	2130	40	<5	<20	44	0.16	<10	51	<10	9	69

GEOQUEST CONSULTING LTD. ICP CERTIFICATE OF ANALYSIS AK 96-1041 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
96	L04 + 00W	02 + 25	S	<5	<0.2	1.78	<5	195	<5	0.55	<1	7	12	13	2.08	50	0.26	1170	2	0.01	6	1060	30	<5	<20	54	0.04	<10	29	<10	5	82
97	L04 + 00W	02 + 50	S	<5	0.2	2.40	<5	135	<5	0.38	<1	12	40	17	3.09	30	0.48	650	<1	0.02	22	1010	28	<5	<20	28	0.15	<10	57	<10	9	48
98	L04 + 00W	02 + 75	S	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
99	L04 + 00W	03 + 00	S	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
100	L04 + 00W	03 + 25	S	<5	0.4	2.62	<5	135	<5	0.53	<1	13	32	19	3.09	90	0.50	1401	<1	0.01	15	1330	42	<5	<20	51	0.08	<10	45	<10	18	61
101	L04 + 00W	03 + 50	S	15	0.2	3.72	15	130	<5	0.84	<1	23	43	47	5.26	40	1.02	2371	<1	0.02	23	1850	32	<5	<20	57	0.17	<10	88	<10	21	112
102	L04 + 00W	03 + 75	S	430	0.2	3.03	5	125	<5	0.67	<1	19	31	96	5.65	20	0.74	1217	4	0.02	31	880	26	<5	<20	58	0.15	<10	131	<10	14	69
103	L04 + 00W	04 + 00	S	30	<0.2	3.96	<5	255	<5	0.65	<1	15	22	35	4.38	40	0.59	1097	<1	0.02	13	1040	36	<5	<20	67	0.17	<10	73	<10	31	56
104	L04 + 00W	04 + 25	S	<5	0.2	3.59	<5	145	5	0.65	<1	14	23	25	3.79	30	0.54	1091	<1	0.02	12	1360	34	<5	<20	56	0.15	<10	62	<10	17	81
105	L04 + 00W	04 + 50	S	<5	<0.2	3.54	5	150	<5	0.75	<1	16	32	47	4.23	40	0.65	970	<1	0.02	19	940	38	<5	<20	55	0.15	<10	73	<10	22	81
106	L04 + 00W	04 + 75	S	<5	<0.2	3.59	5	185	<5	0.47	<1	15	35	33	3.85	40	0.63	964	<1	0.01	23	860	38	<5	<20	44	0.17	<10	69	<10	13	74
107	L04 + 00W	05 + 00	S	<5	0.2	3.02	10	205	<5	0.59	<1	17	31	29	3.89	30	0.59	1367	<1	0.01	15	1760	30	<5	<20	49	0.14	<10	72	<10	15	78
108	L04 + 00W	05 + 25	S	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
109	L04 + 00W	05 + 50	S	<5	<0.2	2.79	5	135	<5	0.47	<1	14	31	27	3.60	20	0.52	760	<1	0.01	14	1080	30	<5	<20	38	0.14	<10	68	<10	12	67
110	L04 + 00W	05 + 75	S	<5	<0.2	3.44	5	170	5	0.63	<1	14	23	28	3.81	20	0.53	882	<1	0.02	10	840	32	<5	<20	37	0.16	<10	69	<10	14	58
111	L04 + 00W	06 + 00	S	<5	<0.2	2.56	<5	165	<5	0.57	<1	14	23	19	3.35	20	0.42	799	<1	0.02	10	680	26	<5	<20	41	0.13	<10	57	<10	9	56
112	L04 + 00W	06 + 25	S	5	<0.2	2.68	5	145	<5	0.71	<1	12	24	24	2.92	20	0.41	706	<1	0.02	14	860	30	<5	<20	52	0.14	<10	48	<10	10	94
113	L04 + 00W	06 + 50	S	<5	<0.2	2.00	<5	105	<5	0.52	<1	12	28	21	3.07	30	0.38	466	<1	0.01	15	810	26	<5	<20	34	0.12	<10	57	<10	9	53
114	L04 + 00W	06 + 75	S	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
115	L04 + 00W	07 + 00	S	<5	<0.2	1.90	<5	110	10	0.57	<1	11	34	17	2.92	30	0.44	507	<1	0.01	15	1000	22	<5	<20	41	0.13	<10	52	<10	7	51
116	L04 + 00W	07 + 25	S	<5	<0.2	3.06	15	140	<5	0.47	1	18	43	53	4.63	20	0.67	624	1	0.02	45	1310	30	<5	<20	37	0.14	<10	138	<10	11	120
117	L04 + 00W	07 + 50	S	5	<0.2	2.29	15	110	<5	0.61	<1	15	30	53	3.73	20	0.49	517	2	0.02	34	1250	22	<5	<20	40	0.11	<10	95	<10	10	131
118	L04 + 00W	07 + 75	S	5	<0.2	1.84	<5	115	<5	0.53	<1	9	21	24	2.26	20	0.32	551	<1	0.02	16	1380	18	<5	<20	42	0.10	<10	41	<10	7	67
119	L04 + 00W	08 + 00	S	<5	<0.2	1.75	<5	105	<5	0.43	<1	9	19	15	2.16	20	0.27	422	<1	0.03	11	930	20	<5	<20	39	0.10	<10	36	<10	6	51
120	L05 + 00W	00 + 25	N	<5	0.2	2.28	20	110	<5	0.57	<1	18	22	43	3.38	10	0.37	942	2	0.02	36	1080	20	<5	<20	34	0.12	<10	69	<10	6	98
121	L05 + 00W	00 + 50	N	<5	<0.2	3.29	40	95	<5	0.39	<1	17	20	35	3.28	10	0.38	756	<1	0.03	29	1020	32	<5	<20	32	0.16	<10	63	<10	7	73
122	L05 + 00W	00 + 75	N	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
123	L05 + 00W	01 + 00	N	<5	0.4	3.10	15	115	<5	0.57	<1	17	21	45	3.41	10	0.47	1128	<1	0.02	33	800	28	<5	<20	52	0.16	<10	69	<10	7	163
124	L05 + 00W	01 + 25	N	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
125	L05 + 00W	01 + 50	N	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
126	L05 + 00W	01 + 75	N	<5	<0.2	3.26	<5	100	5	0.24	<1	11	19	15	2.62	20	0.34	494	<1	0.02	11	1390	34	<5	<20	25	0.17	<10	49	<10	6	48
127	L05 + 00W	02 + 00	N	<5	<0.2	3.26	<5	110	<5	0.31	<1	10	20	15	2.85	20	0.34	389	<1	0.02	11	1590	36	<5	<20	29	0.16	<10	52	<10	7	51
128	L05 + 00W	02 + 25	N	<5	0.4	3.44	<5	115	<5	0.31	<1	10	18	13	2.57	30	0.30	419	<1	0.02	9	1650	36	<5	<20	29	0.16	<10	44	<10	12	53
129	L05 + 00W	02 + 50	N	<5	0.4	3.43	<5	110	<5	0.41	1	8	9	12	2.00	30	0.20	390	<1	0.03	21	830	34	<5	<20	37	0.16	<10	29	<10	15	172
130	L05 + 00W	02 + 75	N	<5	<0.2	2.59	40	110	<5	0.45	2	14	21	28	3.17	<10	0.33	425	1	0.03	44	950	24	<5	<20	34	0.13	<10	59	<10	4	300

GEOQUEST CONSULTING LTD. ICP CERTIFICATE OF ANALYSIS AK 96-1041 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
131	L05 + 00W	03 + 00	N	<5	<0.2	2.15	10	115	<5	0.35	<1	10	23	15	2.74	20	0.30	339	<1	0.02	14	940	26	<5	<20	36	0.12	<10	51	<10	5	73
132	L05 + 00W	03 + 25	N	<5	<0.2	1.93	5	110	<5	0.46	<1	9	26	10	2.52	20	0.36	412	<1	0.02	11	940	22	<5	<20	35	0.13	<10	45	<10	4	54
133	L05 + 00W	03 + 50	N	<5	0.4	3.10	5	80	<5	0.42	<1	12	23	25	2.87	10	0.40	446	<1	0.03	14	1180	32	<5	<20	32	0.17	<10	55	<10	8	76
134	L05 + 00W	03 + 75	N	<5	<0.2	2.20	<5	115	<5	0.37	<1	8	22	9	2.33	10	0.32	300	<1	0.02	13	2220	22	<5	<20	29	0.13	<10	37	<10	4	71
135	L05 + 00W	04 + 00	N	<5	<0.2	2.57	<5	105	<5	0.43	<1	12	28	15	3.12	10	0.49	335	<1	0.02	16	850	26	<5	<20	37	0.15	<10	65	<10	6	66
136	L05 + 00W	00 + 25	S	<5	0.6	2.17	15	160	<5	0.78	<1	13	13	16	2.62	50	0.27	1641	1	0.01	7	1930	44	<5	<20	53	0.07	<10	33	<10	24	73
137	L05 + 00W	00 + 50	S	5	<0.2	3.51	15	165	<5	0.45	<1	15	22	28	3.31	20	0.42	1373	<1	0.02	25	1850	38	<5	<20	40	0.15	<10	69	<10	13	118
138	L05 + 00W	00 + 75	S	<5	<0.2	2.47	20	145	<5	0.65	3	22	28	64	3.98	10	0.54	1303	6	0.02	62	1000	24	<5	<20	39	0.10	<10	118	<10	11	325
139	L05 + 00W	01+ 00	S	<5	<0.2	2.33	125	75	<5	0.67	2	42	53	169	7.51	<10	0.93	2068	11	0.01	97	1330	18	<5	<20	47	0.09	<10	278	<10	11	314
140	L05 + 00W	01 + 25	S	5	<0.2	2.32	20	115	<5	0.56	4	24	38	96	5.33	10	0.72	1095	7	0.02	71	980	22	<5	<20	37	0.11	<10	186	<10	13	403
141	L05 + 00W	01 + 50	S	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
142	L05 + 00W	01 + 75	S	<5	<0.2	3.07	5	80	<5	1.14	<1	32	67	86	5.70	10	1.60	1428	<1	0.03	49	1210	26	<5	<20	82	0.18	<10	133	<10	11	102
143	L05 + 00W	02 + 00	S	<5	<0.2	2.91	10	110	<5	0.67	<1	12	22	18	2.85	30	0.37	990	<1	0.02	12	2330	34	<5	<20	62	0.14	<10	52	<10	6	71
144	L05 + 00W	02 + 25	S	<5	0.2	3.41	<5	155	<5	0.47	<1	11	21	17	2.91	40	0.35	1010	<1	0.02	10	1400	42	<5	<20	48	0.16	<10	49	<10	13	63
145	L05 + 00W	02 + 50	S	<5	<0.2	3.68	<5	200	<5	0.46	<1	15	74	18	3.47	30	0.77	998	<1	0.02	47	770	36	<5	<20	46	0.18	<10	62	<10	12	57
146	L05 + 00W	02 + 75	S	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
147	L05 + 00W	03 + 00	S	10	0.4	3.82	10	150	5	0.64	<1	16	48	30	3.81	50	0.73	1883	<1	0.02	34	1700	44	<5	<20	50	0.18	<10	71	<10	14	70
148	L05 + 00W	03 + 25	S	150	0.4	3.21	<5	130	<5	0.24	<1	30	69	134	5.67	20	0.84	783	4	0.02	49	1800	32	<5	<20	31	0.18	<10	140	<10	11	53
149	L05 + 00W	03 + 50	S	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
150	L05 + 00W	03 + 75	S	90	<0.2	3.50	<5	90	<5	1.10	<1	40	99	81	6.28	20	2.57	937	<1	0.02	121	1240	26	<5	<20	73	0.33	<10	106	<10	8	74
151	L05 + 00W	04 + 00	S	35	<0.2	3.58	<5	130	<5	0.74	<1	35	86	196	8.18	20	1.40	1089	4	0.02	93	1700	30	<5	<20	61	0.25	<10	241	<10	16	61
152	L05 + 00W	04 + 25	S	240	<0.2	3.49	<5	135	<5	0.92	<1	34	110	124	6.86	20	1.66	1090	<1	0.02	97	1620	30	<5	<20	64	0.29	<10	174	<10	11	76
153	L05 + 00W	04 + 50	S	100	<0.2	3.17	<5	140	<5	0.63	<1	25	84	71	5.57	40	1.13	987	<1	0.02	63	1220	32	<5	<20	49	0.24	<10	145	<10	12	62
154	L05 + 00W	04 + 75	S	65	<0.2	3.37	<5	200	<5	0.57	<1	16	39	40	3.85	30	0.61	751	<1	0.02	32	1070	34	<5	<20	55	0.18	<10	77	<10	13	55
155	L05 + 00W	05 + 00	S	*	<0.2	2.99	10	150	<5	0.65	<1	14	28	28	3.79	20	0.54	809	<1	0.01	17	1170	28	<5	<20	43	0.15	<10	71	<10	12	69
156	L05 + 00W	05 + 25	S	<5	<0.2	2.73	5	170	<5	0.43	<1	13	29	22	3.50	20	0.49	715	<1	0.02	15	890	28	<5	<20	37	0.15	<10	68	<10	9	75
157	L05 + 00W	05 + 50	S	<5	<0.2	2.60	<5	165	<5	0.62	<1	13	26	24	3.07	30	0.43	645	<1	0.02	13	970	28	<5	<20	47	0.14	<10	53	<10	10	78
158	L05 + 00W	05 + 75	S	<5	0.2	1.79	<5	150	<5	0.79	<1	10	24	23	2.76	30	0.34	710	<1	0.01	11	920	24	<5	<20	58	0.10	<10	49	<10	8	65
159	L05 + 00W	06 + 00	S	<5	0.2	1.63	<5	130	<5	0.45	<1	11	24	16	2.63	20	0.31	563	<1	0.02	11	680	22	<5	<20	37	0.12	<10	42	<10	6	63
160	L05 + 00W	06 + 25	S	<5	0.4	2.35	<5	145	<5	0.54	<1	12	26	24	3.07	20	0.43	598	<1	0.02	13	1330	28	<5	<20	46	0.14	<10	53	<10	9	83
161	L05 + 00W	06 + 50	S	5	0.6	2.93	5	120	5	1.41	<1	17	24	39	3.67	20	0.41	1184	<1	0.01	10	1950	28	<5	<20	102	0.10	<10	57	<10	10	99
162	L05 + 00W	06 + 75	S	<5	<0.2	2.88	<5	145	<5	0.50	<1	11	28	19	3.32	20	0.40	603	<1	0.02	12	1000	30	<5	<20	35	0.15	<10	55	<10	10	73
163	L05 + 00W	07 + 00	S	35	0.4	1.98	5	120	<5	0.50	<1	14	30	29	3.46	20	0.44	972	1	0.01	25	1420	22	<5	<20	32	0.12	<10	73	<10	8	94
164	L05 + 00W	07 + 25	S	<5	<0.2	2.35	10	120	<5	0.47	<1	12	23	24	2.85	20	0.37	571	<1	0.02	18	980	28	<5	<20	34	0.13	<10	51	<10	8	80
165	L05 + 00W	07 + 50	S	<5	<0.2	1.69	10	95	<5	0.57	<1	10	23	20	2.35	20	0.28	471	<1	0.02	13	740	20	<5	<20	43	0.11	<10	44	<10	7	51

GEOQUEST CONSULTING LTD. ICP CERTIFICATE OF ANALYSIS AK 96-1041 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
166	L05 + 00W	07 + 75	S	<5	0.4	2.16	5	125	<5	0.39	<1	11	26	19	2.89	20	0.35	347	<1	0.02	14	730	24	<5	<20	38	0.14	<10	55	<10	7	49
167	L05 + 00W	08 + 00	S	<5	<0.2	2.09	<5	120	<5	0.41	<1	11	28	17	2.88	20	0.34	360	<1	0.02	13	990	24	<5	<20	35	0.13	<10	53	<10	6	49
168	L06 + 00W	00 + 25	N	<5	0.6	3.20	55	150	<5	0.65	<1	20	21	44	3.31	<10	0.39	926	<1	0.02	26	3960	30	<5	<20	45	0.14	<10	69	<10	5	104
169	L06 + 00W	00 + 50	N	<5	0.4	2.10	10	100	<5	0.55	<1	11	17	22	2.37	10	0.28	529	2	0.03	18	1040	22	<5	<20	31	0.11	<10	45	<10	6	92
170	L06 + 00W	00 + 75	N	<5	<0.2	3.38	10	125	<5	0.53	<1	11	20	19	2.91	20	0.34	777	<1	0.02	10	3930	40	<5	<20	45	0.14	<10	51	<10	8	78
171	L06 + 00W	01 + 00	N	<5	0.2	2.90	<5	150	<5	0.28	<1	11	22	16	2.73	20	0.33	376	<1	0.02	11	1480	32	<5	<20	28	0.15	<10	50	<10	6	44
172	L06 + 00W	01 + 25	N	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
173	L06 + 00W	01 + 50	N	<5	<0.2	3.12	5	125	<5	0.44	<1	12	26	19	2.92	20	0.38	582	<1	0.02	13	3240	40	<5	<20	49	0.15	<10	52	<10	6	81
174	L06 + 00W	01 + 75	N	<5	0.6	3.86	15	160	<5	0.82	<1	13	24	22	3.02	80	0.39	617	<1	0.02	14	6510	48	<5	<20	93	0.16	<10	47	<10	11	83
175	L06 + 00W	02 + 00	N	<5	<0.2	2.83	5	105	<5	0.48	<1	9	17	14	2.28	20	0.29	419	<1	0.02	10	2550	34	<5	<20	40	0.14	<10	37	<10	6	56
176	L06 + 00W	02 + 25	N	<5	0.4	3.06	<5	155	<5	0.45	<1	10	19	15	2.57	10	0.30	576	<1	0.01	11	3900	32	<5	<20	40	0.13	<10	43	<10	5	58
177	L06 + 00W	02 + 50	N	<5	<0.2	2.34	<5	95	<5	0.46	<1	8	14	18	2.04	20	0.23	639	<1	0.02	8	1740	26	<5	<20	39	0.11	<10	30	<10	8	59
178	L06 + 00W	02 + 75	N	<5	<0.2	2.55	5	140	<5	0.39	<1	9	15	16	2.20	10	0.26	663	<1	0.01	9	1240	30	<5	<20	33	0.12	<10	35	<10	7	66
179	L06 + 00W	03 + 00	N	5	0.4	2.50	<5	135	<5	0.37	2	11	13	24	2.41	<10	0.22	594	<1	0.02	24	980	28	<5	<20	33	0.12	<10	35	<10	6	223
180	L06 + 00W	03 + 25	N	<5	0.4	1.98	<5	145	<5	0.41	2	10	16	16	2.28	<10	0.23	782	<1	0.02	22	860	24	<5	<20	32	0.10	<10	37	<10	4	141
181	L06 + 00W	03 + 50	N	<5	<0.2	2.49	<5	130	<5	0.31	<1	13	21	20	2.81	10	0.35	626	<1	0.01	20	970	28	<5	<20	26	0.12	<10	52	<10	4	99
182	L06 + 00W	03 + 75	N	5	<0.2	2.05	5	135	<5	0.28	<1	9	19	13	2.36	10	0.33	506	<1	0.01	14	1610	24	<5	<20	24	0.10	<10	41	<10	3	68
183	L06 + 00W	04 + 00	N	<5	0.2	3.54	<5	110	<5	0.37	<1	11	22	20	3.05	10	0.41	379	<1	0.01	13	2440	44	<5	<20	45	0.15	<10	53	<10	5	66
184	L06 + 00W	00 + 25	S	<5	<0.2	2.07	10	100	<5	0.52	4	29	35	109	6.90	<10	0.89	884	22	<0.01	117	940	18	<5	<20	26	0.07	<10	170	<10	8	462
185	L06 + 00W	00 + 50	S	<5	<0.2	1.81	15	95	<5	0.55	5	27	36	103	5.68	<10	0.90	806	14	<0.01	91	1080	16	<5	<20	27	0.08	<10	189	<10	9	528
186	L06 + 00W	00 + 75	S	<5	0.2	2.45	15	110	<5	0.60	3	22	39	75	5.23	<10	0.74	941	7	<0.01	57	990	22	<5	<20	33	0.09	<10	170	<10	9	306
187	L06 + 00W	01 + 00	S	<5	0.4	2.13	25	95	<5	0.61	4	31	35	94	5.26	<10	0.72	1391	7	0.01	71	1350	24	<5	<20	39	0.08	<10	171	<10	9	371
188	L06 + 00W	01 + 25	S	<5	0.4	2.41	20	120	<5	0.56	3	27	31	100	5.33	<10	0.78	819	4	0.01	73	1020	24	<5	<20	33	0.14	<10	149	<10	9	366
189	L06 + 00W	01 + 50	S	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
190	L06 + 00W	01 + 75	S	15	<0.2	2.83	25	155	<5	0.43	<1	19	32	53	4.22	40	0.72	1028	<1	0.01	31	1120	36	<5	<20	41	0.15	<10	101	<10	22	129
191	L06 + 00W	02 + 00	S	<5	0.2	2.94	15	135	<5	0.58	<1	14	22	27	2.95	60	0.44	1068	<1	0.02	17	1290	40	<5	<20	51	0.14	<10	49	<10	11	84
192	L06 + 00W	02 + 25	S	5	0.6	2.45	25	140	<5	1.05	<1	17	23	37	4.13	110	0.77	1825	3	0.01	18	1390	54	<5	<20	80	0.05	<10	53	<10	27	137
193	L06 + 00W	02 + 50	S	<5	0.4	2.64	10	150	<5	0.79	<1	13	37	36	3.30	30	0.58	852	<1	0.02	33	1340	28	<5	<20	54	0.11	<10	46	<10	16	147
194	L06 + 00W	02 + 75	S	40	0.6	3.40	10	130	<5	0.60	<1	18	45	42	4.86	50	0.71	992	2	0.01	66	470	34	<5	<20	51	0.10	<10	73	<10	27	103
195	L06 + 00W	03 + 00	S	20	0.4	2.51	5	120	<5	0.82	<1	15	26	41	4.58	70	0.64	1475	2	<0.01	18	980	30	<5	<20	72	0.04	<10	66	<10	33	119
196	L06 + 00W	03 + 25	S	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
197	L06 + 00W	03 + 50	S	335	<0.2	2.76	<5	130	<5	0.54	<1	16	35	124	4.92	10	0.57	295	3	0.02	30	990	26	<5	<20	66	0.13	<10	127	<10	10	50
198	L06 + 00W	03 + 75	S	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
199	L06 + 00W	04 + 00	S	10	<0.2	3.23	<5	120	<5	0.78	<1	24	50	74	5.45	40	1.18	1460	<1	0.01	47	1340	36	<5	<20	63	0.18	<10	106	<10	17	104
200	L06 + 00W	04 + 25	S	60	0.4	2.92	5	170	5	0.98	4	20	35	55	4.87	20	0.77	1388	<1	<0.01	27	2300	44	<5	<20	77	0.12	<10	83	<10	15	189

GEOQUEST CONSULTING LTD. ICP CERTIFICATE OF ANALYSIS AK 96-1041 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
201	L06 + 00W	04 + 50	S	<5	<0.2	3.46	<5	190	<5	0.51	1	17	43	28	4.27	20	0.76	803	<1	0.01	30	1010	32	<5	<20	47	0.19	<10	86	<10	11	88
202	L06 + 00W	04 + 75	S	15	0.2	2.37	<5	120	<5	0.56	2	15	32	40	3.76	30	0.54	903	1	<0.01	19	1420	36	<5	<20	54	0.11	<10	70	<10	17	116
203	L06 + 00W	05 + 00	S	10	<0.2	2.42	5	125	<5	0.58	<1	14	33	29	3.72	40	0.55	1034	1	<0.01	18	1420	30	<5	<20	38	0.11	<10	65	<10	19	83
204	L06 + 00W	05 + 25	S	60	<0.2	2.60	<5	155	<5	0.50	2	15	36	56	3.84	30	0.62	689	1	<0.01	23	760	32	<5	<20	52	0.13	<10	66	<10	23	111
205	L06 + 00W	05 + 50	S	<5	0.6	1.76	<5	185	<5	0.64	2	11	26	31	2.74	20	0.37	937	<1	<0.01	12	1820	24	<5	<20	54	0.09	<10	47	<10	6	100
206	L06 + 00W	05 + 75	S	<5	<0.2	1.97	5	145	<5	0.60	2	11	27	22	2.88	20	0.38	590	<1	<0.01	14	1770	24	<5	<20	46	0.10	<10	47	<10	7	110
207	L06 + 00W	06 + 00	S	<5	0.4	2.26	<5	135	<5	0.62	<1	10	27	25	2.78	20	0.38	540	<1	0.01	13	760	24	<5	<20	46	0.11	<10	46	<10	9	76
208	L06 + 00W	06 + 25	S	<5	0.2	1.92	<5	125	<5	0.53	<1	9	17	18	2.24	20	0.30	500	<1	0.02	10	990	22	<5	<20	44	0.09	<10	35	<10	7	63
209	L06 + 00W	06 + 50	S	<5	0.4	1.88	5	105	<5	0.62	<1	11	25	23	2.84	30	0.42	416	<1	0.02	12	800	24	<5	<20	47	0.10	<10	53	<10	12	63
210	L06 + 00W	06 + 75	S	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
211	L06 + 00W	07 + 00	S	<5	<0.2	1.76	10	125	<5	0.47	<1	13	30	27	3.19	20	0.41	611	<1	<0.01	19	1150	22	<5	<20	36	0.10	<10	57	<10	7	61
212	L06 + 00W	07 + 25	S	<5	0.2	2.28	10	155	<5	0.37	<1	13	27	22	3.26	20	0.39	663	<1	0.01	16	1240	26	<5	<20	32	0.11	<10	56	<10	8	73
213	L06 + 00W	07 + 50	S	25	<0.2	1.80	10	130	<5	0.49	<1	11	26	16	2.91	20	0.33	676	<1	<0.01	13	1240	20	<5	<20	35	0.09	<10	50	<10	6	60
214	L06 + 00W	07 + 75	S	<5	<0.2	2.27	5	120	<5	0.45	<1	11	21	21	2.68	20	0.37	512	<1	0.02	13	910	28	<5	<20	37	0.11	<10	43	<10	7	65
215	L06 + 00W	08 + 00	S	<5	<0.2	1.35	<5	60	<5	1.09	<1	8	17	23	2.12	20	0.27	517	<1	0.02	8	450	16	<5	<20	50	0.07	<10	32	<10	7	55
216	L07 + 00W	00 + 25	N	<5	0.4	3.04	<5	130	<5	0.36	<1	12	18	19	3.28	60	0.40	810	<1	0.01	13	1190	36	<5	<20	30	0.13	<10	53	<10	19	86
217	L07 + 00W	00 + 50	N	<5	<0.2	2.43	35	110	<5	0.43	1	25	26	69	5.03	<10	0.53	852	6	0.01	56	1080	28	<5	<20	35	0.10	<10	105	<10	6	172
218	L07 + 00W	00 + 75	N	<5	<0.2	2.11	15	95	<5	0.48	<1	17	20	39	3.47	<10	0.38	910	4	0.02	37	820	22	<5	<20	34	0.10	<10	69	<10	6	184
219	L07 + 00W	01 + 00	N	<5	<0.2	2.31	30	95	<5	0.42	<1	28	34	84	5.45	<10	0.63	982	8	0.01	61	1080	22	<5	<20	29	0.10	<10	122	<10	4	111
220	L07 + 00W	01 + 25	N	<5	<0.2	2.86	15	100	5	0.50	<1	16	25	38	3.34	10	0.44	763	<1	0.01	29	1010	32	<5	<20	36	0.14	<10	70	<10	6	64
221	L07 + 00W	01 + 50	N	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
222	L07 + 00W	01 + 75	N	<5	0.2	2.53	10	125	<5	0.48	<1	19	31	46	3.80	20	0.63	633	1	0.01	45	630	30	<5	<20	41	0.13	<10	90	<10	7	86
223	L07 + 00W	02 + 00	N	<5	0.6	3.63	10	100	<5	0.69	<1	16	29	33	3.98	60	0.66	1073	<1	0.01	20	2190	42	<5	<20	59	0.18	<10	87	<10	7	92
224	L07 + 00W	02 + 25	N	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
225	L07 + 00W	02 + 50	N	<5	<0.2	2.40	20	100	<5	0.37	<1	18	20	42	3.46	<10	0.35	551	3	0.01	41	740	26	<5	<20	34	0.11	<10	65	<10	5	167
226	L07 + 00W	02 + 75	N	<5	0.2	3.40	25	130	<5	0.46	<1	14	20	44	3.59	20	0.42	1098	<1	0.02	20	1120	34	<5	<20	34	0.15	<10	65	<10	17	87
227	L07 + 00W	03 + 00	N	50	0.6	3.44	255	130	5	0.37	<1	14	16	39	3.30	20	0.38	988	<1	0.02	13	860	34	<5	<20	38	0.14	<10	54	<10	14	121
228	L07 + 00W	03 + 25	N	<5	0.2	2.42	15	145	<5	0.70	<1	9	14	20	2.48	<10	0.27	907	<1	0.01	6	1780	24	<5	<20	56	0.10	<10	38	<10	5	56
229	L07 + 00W	03 + 50	N	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
230	L07 + 00W	03 + 75	N	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
231	L07 + 00W	04 + 00	N	<5	<0.2	3.02	35	105	<5	0.31	<1	13	16	24	3.07	10	0.33	894	2	0.01	10	1910	38	<5	<20	24	0.13	<10	52	<10	6	63
232	L07 + 00W	00 + 25	S	<5	0.4	2.25	10	130	<5	0.52	1	19	26	39	3.84	30	0.55	1350	4	0.01	34	1490	32	<5	<20	40	0.09	<10	90	<10	10	171
233	L07 + 00W	00 + 50	S	<5	<0.2	1.57	25	65	<5	0.48	4	27	31	94	5.37	<10	0.67	782	15	<0.01	84	930	18	<5	<20	24	0.05	<10	153	<10	6	468
234	L07 + 00W	00 + 75	S	10	0.4	1.77	<5	90	<5	0.47	3	21	34	79	4.85	<10	0.66	794	12	0.01	65	800	22	<5	<20	28	0.07	<10	153	<10	8	363
235	L07 + 00W	01 + 00	S	<5	0.4	2.95	20	170	<5	0.67	2	23	30	76	4.72	<10	0.71	1082	5	0.02	53	890	30	<5	<20	47	0.13	<10	116	<10	12	315

GEOQUEST CONSULTING LTD. ICP CERTIFICATE OF ANALYSIS AK 96-1041 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
236	L07 + 00W	01 + 25	S	<5	<0.2	1.90	25	85	<5	0.50	3	22	39	83	5.55	<10	0.70	1073	9	<0.01	55	1160	20	<5	<20	35	0.07	<10	189	<10	9	325
237	L07 + 00W	01 + 50	S	<5	0.4	2.77	15	130	<5	0.64	2	20	37	67	4.87	10	0.82	849	2	0.01	41	960	30	<5	<20	49	0.16	<10	132	<10	12	184
238	L07 + 00W	01 + 75	S	<5	0.2	2.59	15	115	<5	0.57	<1	20	30	54	4.42	30	0.77	1088	<1	0.01	23	1430	30	<5	<20	35	0.14	<10	104	<10	22	103
239	L07 + 00W	02 + 00	S	<5	<0.2	2.31	10	100	<5	0.54	1	16	29	49	4.12	30	0.54	670	3	0.01	35	650	26	<5	<20	33	0.11	<10	105	<10	13	248
240	L07 + 00W	02 + 25	S	5	<0.2	2.14	10	150	5	0.73	7	17	23	44	3.59	30	0.48	1341	2	0.01	31	1510	30	<5	<20	56	0.11	<10	79	<10	10	449
241	L07 + 00W	02 + 50	S	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
242	L07 + 00W	02 + 75	S	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
243	L07 + 00W	03 + 00	S	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
244	L07 + 00W	03 + 25	S	<5	0.4	2.47	10	100	<5	0.59	<1	13	29	33	3.03	30	0.46	755	<1	0.01	16	710	28	<5	<20	45	0.10	<10	55	<10	12	59
245	L07 + 00W	03 + 50	S	<5	<0.2	2.24	5	150	<5	0.43	<1	12	26	23	2.90	20	0.40	821	<1	0.01	14	800	24	<5	<20	47	0.11	<10	53	<10	9	47
246	L07 + 00W	03 + 75	S	<5	<0.2	2.06	<5	125	<5	0.51	<1	13	27	32	3.16	20	0.43	777	<1	<0.01	11	1190	24	<5	<20	52	0.10	<10	61	<10	10	60
247	L07 + 00W	04 + 00	S	<5	<0.2	2.13	5	135	<5	0.34	1	11	24	24	2.64	10	0.39	982	<1	<0.01	14	1190	28	<5	<20	27	0.10	<10	51	<10	5	76
248	L07 + 00W	04 + 25	S	<5	<0.2	2.59	<5	165	<5	0.60	<1	13	30	20	3.04	20	0.46	798	<1	0.01	17	1230	30	<5	<20	45	0.12	<10	56	<10	9	70
249	L07 + 00W	04 + 50	S	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
250	L07 + 00W	04 + 75	S	<5	<0.2	2.44	<5	145	<5	0.40	<1	12	27	18	2.82	30	0.44	876	<1	0.01	15	920	32	<5	<20	35	0.12	<10	49	<10	8	72
251	L07 + 00W	05 + 00	S	5	0.6	2.19	<5	140	<5	0.50	<1	12	26	24	3.00	20	0.43	803	<1	<0.01	13	1020	28	<5	<20	39	0.10	<10	54	<10	8	68
252	L07 + 00W	05 + 25	S	<5	<0.2	2.23	<5	130	<5	0.62	<1	12	25	23	2.88	30	0.42	654	<1	0.01	12	1040	28	<5	<20	57	0.10	<10	50	<10	12	61
253	L07 + 00W	05 + 50	S	<5	0.2	2.70	<5	145	<5	0.59	<1	13	27	28	3.33	30	0.47	556	<1	0.01	15	1140	30	<5	<20	66	0.13	<10	51	<10	15	64
254	L07 + 00W	05 + 75	S	10	<0.2	2.04	<5	100	<5	0.64	<1	9	18	24	2.26	20	0.30	469	<1	0.02	9	720	22	<5	<20	54	0.10	<10	35	<10	9	46
255	L07 + 00W	06 + 00	S	<5	0.2	1.70	<5	75	<5	0.54	<1	8	18	19	2.01	20	0.25	459	<1	0.02	10	640	18	<5	<20	42	0.09	<10	33	<10	7	37
256	L07 + 00W	06 + 25	S	<5	<0.2	1.57	<5	105	<5	0.40	<1	9	25	16	2.50	20	0.30	464	<1	<0.01	10	1340	22	<5	<20	36	0.08	<10	41	<10	6	39
257	L07 + 00W	06 + 50	S	<5	0.2	1.20	<5	60	<5	0.39	<1	9	30	15	2.76	20	0.34	222	<1	<0.01	10	770	16	<5	<20	30	0.08	<10	49	<10	5	31
258	L07 + 00W	06 + 75	S	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
259	L07 + 00W	07 + 00	S	235	0.2	2.30	5	130	5	0.43	<1	14	36	54	4.58	10	0.54	452	2	<0.01	26	1320	24	<5	<20	33	0.12	<10	107	<10	6	53
260	L07 + 00W	07 + 25	S	10	<0.2	2.12	5	110	<5	0.51	<1	14	30	50	3.63	20	0.43	741	1	0.01	29	1230	20	<5	<20	33	0.10	<10	77	<10	9	93
261	L07 + 00W	07 + 50	S	<5	0.2	1.45	<5	100	<5	0.38	<1	10	28	17	2.71	20	0.32	471	<1	<0.01	12	1350	18	<5	<20	26	0.08	<10	49	<10	6	53

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:																																
1	L01 + 00W	00 + 25	N	<5	<0.2	2.48	5	135	<5	0.39	<1	9	20	13	2.40	10	0.29	440	<1	0.02	12	1750	28	<5	<20	39	0.14	<10	43	<10	5	67
10	L01 + 00W	02 + 50	N	<5	<0.2	2.70	15	140	<5	0.42	4	10	15	18	2.34	10	0.23	572	<1	0.03	19	4360	26	<5	<20	38	0.14	<10	40	<10	7	348
19	L02 + 00W	01 + 75	N	<5	<0.2	2.18	<5	120	<5	0.37	<1	10	23	10	2.96	10	0.35	656	<1	0.01	10	1590	28	<5	<20	24	0.14	<10	51	<10	5	61
28	L03 + 00W	00 + 75	N	<5	0.2	3.48	5	100	<5	0.51	<1	13	28	16	3.38	50	0.47	465	<1	0.01	12	2490	42	<5	<20	47	0.17	<10	59	<10	11	49
36	L03 + 00W	02 + 75	N	<5	0.6	4.13	10	100	<5	0.44	<1	10	12	12	2.45	30	0.23	337	<1	0.03	12	3430	40	<5	<20	41	0.19	<10	35	<10	13	78
45	L03 + 00W	01 + 50	S	<5	<0.2	2.18	10	110	<5	0.59	1	13	21	29	2.67	20	0.38	633	<1	0.02	18	850	22	<5	<20	39	0.13	<10	56	<10	8	134
54	L03 + 00W	03 + 75	S	40	0.4	2.93	<5	135	<5	1.14	1	19	33	39	3.98	20	1.02	2071	<1	0.02	23	1290	28	<5	<20	76	0.09	<10	81	<10	23	69
64	L03 + 00W	06 + 25	S	<5	<0.2	3.05	10	115	<5	0.63	<1	13	32	25	3.41	30	0.47	698	<1	0.02	12	940	30	<5	<20	38	0.15	<10	69	<10	14	53
71	L03 + 00W	08 + 00	S	<5	<0.2	1.60	<5	170	5	0.39	<1	8	20	10	2.11	10	0.27	733	<1	0.02	10	1840	18	<5	<20	33	0.09	<10	34	<10	3	61
80	L04 + 00W	02 + 25	N	<5	0.4	2.59	<5	115	<5	0.42	<1	11	22	15	2.71	20	0.36	530	<1	0.01	10	2060	30	<5	<20	39	0.14	<10	52	<10	6	45
89	L04 + 00W	00 + 50	S	<5	<0.2	2.73	10	190	5	0.62	<1	14	21	28	3.09	20	0.39	917	<1	0.02	19	930	30	<5	<20	64	0.14	<10	60	<10	10	119
98	L04 + 00W	02 + 75	S	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
106	L04 + 00W	04 + 75	S	<5	<0.2	3.52	5	180	<5	0.46	<1	15	34	32	3.77	40	0.61	947	<1	0.01	24	870	38	<5	<20	42	0.16	<10	67	<10	13	73
115	L04 + 00W	07 + 00	S	<5	0.4	1.91	<5	115	<5	0.57	<1	12	36	18	3.01	30	0.44	517	<1	0.01	15	1020	22	<5	<20	42	0.13	<10	54	<10	8	53
124	L05 + 00W	01 + 25	N	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
133	L05 + 00W	03 + 50	N	<5	<0.2	3.00	10	85	<5	0.42	<1	13	25	27	2.92	10	0.41	453	<1	0.02	15	1200	32	<5	<20	35	0.16	<10	57	<10	9	80
141	L05 + 00W	01 + 50	S	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
150	L05 + 00W	03 + 75	S	45	<0.2	3.46	<5	100	<5	1.09	<1	40	96	79	6.24	20	2.52	931	<1	0.02	119	1230	30	<5	<20	74	0.32	<10	103	<10	8	75
159	L05 + 00W	06 + 00	S	<5	<0.2	1.60	<5	125	<5	0.43	<1	10	22	15	2.57	20	0.28	555	<1	0.02	11	670	22	<5	<20	34	0.11	<10	41	<10	6	63
168	L06 + 00W	00 + 25	N	<5	0.4	3.18	50	145	<5	0.65	<1	19	20	43	3.26	<10	0.38	914	<1	0.02	26	3930	30	<5	<20	43	0.14	<10	68	<10	5	103
176	L06 + 00W	02 + 25	N	<5	<0.2	3.12	10	155	5	0.46	<1	10	19	17	2.70	10	0.31	596	<1	0.01	13	3910	34	<5	<20	42	0.12	<10	45	<10	5	66
185	L06 + 00W	00 + 50	S	<5	<0.2	1.76	15	100	<5	0.55	4	27	35	101	5.51	<10	0.87	790	14	<0.01	87	1030	18	<5	<20	30	0.07	<10	183	<10	9	517
194	L06 + 00W	02 + 75	S	25	0.4	3.48	10	135	<5	0.61	<1	18	45	43	4.89	50	0.71	1001	2	0.01	67	480	34	<5	<20	52	0.11	<10	72	<10	28	98
203	L06 + 00W	05 + 00	S	10	<0.2	2.29	<5	135	5	0.55	1	14	32	27	3.48	30	0.52	976	1	<0.01	17	1360	32	<5	<20	44	0.11	<10	61	<10	19	78
211	L06 + 00W	07 + 00	S	<5	<0.2	1.81	5	120	<5	0.47	<1	13	31	28	3.30	20	0.42	636	<1	<0.01	19	1150	22	<5	<20	33	0.10	<10	59	<10	7	64
220	L07 + 00W	01 + 25	N	<5	0.2	2.79	15	100	<5	0.48	<1	16	23	36	3.19	10	0.42	747	<1	0.01	26	980	30	<5	<20	35	0.13	<10	66	<10	6	62
229	L07 + 00W	03 + 50	N	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
238	L07 + 00W	01 + 75	S	<5	0.6	2.54	15	115	<5	0.56	<1	20	29	53	4.34	30	0.76	1073	1	<0.01	23	1390	28	<5	<20	38	0.14	<10	103	<10	22	99
246	L07 + 00W	03 + 75	S	<5	<0.2	2.19	<5	125	<5	0.53	<1	14	28	32	3.30	30	0.45	802	<1	<0.01	13	1220	24	<5	<20	52	0.11	<10	64	<10	10	63
255	L07 + 00W	06 + 00	S	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

18-Sep-96

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10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

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ICP CERTIFICATE OF ANALYSIS AK 96-1045

GEOQUEST CONSULTING LTD.
RR#3, SITE 11, COMP.180
VERNON, B.C.
V1T 6L6

ATTENTION: WARNER GRUENWALD

No. of samples: 8
Sample type: ROCK
PROJECT #: PATHFINDER
SHIPMENT #: 2
Samples submitted by: JOHN KEMP

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	L03 + 00 W 03 + 00 S	5	<0.2	1.37	<5	10	5	7.58	<1	26	83	4	3.04	<10	0.62	1115	2	<0.01	9	1340	<2	<5	<20	319	0.14	<10	147	<10	5	41
2	L05 + 00 W 00 + 95 S	60	<0.2	1.19	20	50	<5	1.68	<1	21	107	89	6.24	<10	1.00	685	12	0.04	40	2000	<2	<5	<20	38	0.13	<10	236	<10	8	74
3	L05 + 00 W 06 + 85 S	>1000	4.2	1.58	15	55	600	0.37	<1	22	113	268	>10	<10	0.61	239	33	<0.01	19	990	10	<5	<20	7	0.05	20	218	<10	<1	25
4	L06 + 00 W 03 + 25 S	>1000	<0.2	0.85	<5	120	15	0.07	1	6	90	100	>10	30	0.43	65	52	0.02	1	1250	8	<5	<20	20	<0.01	20	233	<10	<1	26
5	L06 + 00 W 06 + 60 S	595	1.2	0.67	55	60	170	0.25	<1	59	119	504	>10	<10	0.22	127	29	<0.01	34	620	<2	<5	<20	5	<0.01	30	114	<10	<1	25
6	L07 + 00 W 06 + 75 S	>1000	1.6	0.93	120	55	50	0.34	2	48	122	317	>10	<10	0.49	201	35	0.01	79	850	6	<5	<20	17	0.02	20	272	<10	<1	91
7	L11 + 00 W 08 + 50 S	90	1.2	0.15	<5	45	<5	1.14	8	5	308	8	2.06	<10	0.23	334	13	<0.01	6	90	322	<5	<20	41	<0.01	<10	9	<10	<1	131
8	L11 + 00 W 08 + 55 S	85	0.6	0.99	<5	20	5	2.37	3	22	151	35	6.11	<10	0.76	800	18	<0.01	7	1100	80	<5	<20	77	<0.01	<10	30	<10	1	68
QC/DATA:																														
Resplit:																														
R/S 1	L03 + 00 W 03 + 00 S	5	<0.2	1.45	<5	15	<5	8.08	<1	27	95	5	3.17	<10	0.65	1193	<1	<0.01	9	1380	<2	<5	<20	326	0.17	<10	159	<10	5	42
Repeat:																														
1	L03 + 00 W 03 + 00 S	5	<0.2	1.48	<5	15	<5	7.96	<1	27	89	4	3.24	<10	0.63	1159	3	<0.01	9	1320	<2	<5	<20	346	0.16	<10	160	<10	5	42
Standard:																														
GEO'96		145	1.2	1.89	55	145	<5	2.10	<1	21	70	72	4.14	<10	1.03	724	<1	0.02	23	740	20	<5	<20	56	0.14	<10	88	<10	4	68

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CERTIFICATE OF ASSAY AK 96-1045

GEOQUEST CONSULTING LTD.
RR#3, SITE 11, COMP.180
VERNON, B.C.
V1T 6L6

18-Sep-96

ATTENTION: WARNER GRUENWALD

No. of samples: 8
Sample type: ROCK
PROJECT #: PATHFINDER
SHIPMENT #: 2
Samples submitted by: JOHN KEMP

ET #.	Tag #		Au (g/t)	Au (oz/t)
3	05 + 00	06 + 85 S	28.11	0.820
4	06 + 00	03 + 25 S	1.09	0.032
6	07 + 00	06 + 75 S	13.22	0.386

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12-Sep-96

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10041 East Trans Canada Highway
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V2C 6T4

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ICP CERTIFICATE OF ANALYSIS AK 96-997

GEOQUEST CONSULTING LTD.
8055 Aspen Road
VERNON, B.C.
V1B 3M9

ATTENTION: WARNER GRUENWALD

No. of samples: 9
Sample type: Rock
PROJECT #: pathfinder
SHIPMENT #: 1
Samples submitted by: John Kemp

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	B/L 02+65N	5	<0.2	1.45	<5	40	<5	1.45	1	21	86	84	5.54	<10	0.45	281	21	0.14	52	1510	4	<5	<20	49	0.13	<10	79	<10	5	199
2	B/L 05+70N	5	<0.2	1.61	15	50	<5	1.37	<1	20	119	68	6.36	<10	1.07	503	14	0.11	35	1550	8	<5	<20	26	0.14	<10	134	<10	6	155
3	L03+00W 01+80N	5	<0.2	1.51	10	45	<5	1.26	<1	31	116	93	8.50	<10	1.52	477	16	0.03	51	1600	2	<5	<20	15	0.19	<10	265	<10	2	35
4	L03+00W 01+81N	5	<0.2	0.54	20	35	<5	0.92	<1	16	104	54	5.17	<10	0.32	218	19	0.06	30	1430	2	<5	<20	16	0.14	<10	75	<10	5	39
5	L1N 10+12W	845	>30	0.24	20	15	60	>10	7	3	110	45	1.19	<10	0.16	3708	23	<0.01	5	130	5492	<5	<20	184	0.01	<10	6	<10	14	52
6	L1N 10+14W	670	0.2	1.02	15	40	<5	3.08	<1	43	171	307	>10	<10	0.82	341	16	0.04	54	1960	20	<5	<20	27	0.13	<10	157	<10	3	29
7	L08+15W 03+20N	10	<0.2	1.40	60	65	<5	2.56	<1	29	158	66	8.37	<10	1.27	766	17	0.04	52	2060	28	<5	<20	32	0.18	<10	198	<10	6	148
8	L06+95W 03+50N	5	<0.2	0.65	<5	55	<5	2.37	<1	14	186	47	5.87	<10	0.36	227	63	0.05	17	3490	8	<5	<20	26	0.18	<10	193	<10	10	23
9	L4N 08+50W	20	<0.2	2.66	<5	105	<5	1.15	<1	12	178	32	9.39	<10	1.21	1759	6	0.06	3	1560	10	<5	<20	11	0.32	<10	111	<10	4	118
QC/DATA:																														
Resplit:																														
R/S 1	B/L 02+65N	5	<0.2	1.45	<5	45	<5	1.54	<1	24	96	85	5.72	<10	0.45	294	24	0.13	56	1560	6	<5	<20	50	0.17	<10	89	<10	6	214
Repeat:																														
R/S 1	B/L 02+65N	5	<0.2	1.58	<5	45	<5	1.53	1	22	94	88	5.70	<10	0.49	298	26	0.13	60	1580	6	<5	<20	44	0.16	<10	82	<10	6	210
Standard:																														
GEO'96		150	1.6	1.90	65	185	<5	1.95	<1	22	72	80	4.10	<10	1.06	720	2	0.02	24	710	22	<5	<20	60	0.12	<10	82	<10	5	72

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CERTIFICATE OF ASSAY AK 96-997

GEOQUEST CONSULTING LTD.
R.R.#3, SITE 11, COMP.180
VERNON, B.C.
V1T 6L6

13-Sep-96

ATTENTION: WARNER GRUENWALD

No. of samples: 9
Sample type: rock
PROJECT #: pathfinder
SHIPMENT #: 1
Samples submitted by: John Kemp

ET #.	Tag #	Ag (g/t)	Ag (oz/t)
5	L1N 10+12W	46.8	1.37

QC/DATA:

Standard:

CPb-I	632.0	18.43

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APPENDIX E

GEOPHYSICAL REPORT

GEOPHYSICS

Ground magnetometer and VLF surveys were carried out on the Pathfinder grid. A total of approximately 12.1 km of data was gathered on North-South lines and a further 3.3 km on East-West extensions on the west side of the property to better explore the north-south predominant geological direction.

A 1.2 km baseline at 340 degrees azimuth was established with perpendicular cross lines at 100 meter intervals. Several in-fill lines at 50 meter spacing were added to provide more detail in areas of complicated structure. Stations were flagged at 25 meter intervals on all lines. Data was obtained at 25 meter intervals along the N/S lines and at 12.5 meter intervals for the 10 short E/W lines along the west edge of the property.

CURRENT WORK

The magnetometer data was gathered with a Geometrics G826 total field magnetometer (1 nT sensitivity) Data was corrected for diurnal variations by tieing into a base station several times during the day.

A Geonics EM-16 was used to measure the Tilt Angle and Quadrature component of the VLF signal provided by the US Navy transmitter at Jim Creek,Washington All readings were taken facing just east of grid south. The actual direction to the transmitter is about 265 degrees. Other VLF stations were not considered.

The data was entered by hand into computer files. Stacked profiles and contour maps of the magnetics and VLF information were prepared at a scale of 1:5000 and coloured plots at a report scale of approximately 1:7500.

Topographic data in the form of a Digital Elevation Model (DEM) is available. The geophysical data was draped over a 3D surface and displayed in NE and SE looking views.

DISCUSSION

The property lies in an area of severe topographic relief which shows in the VLF data. A barbed wire fence on the extreme western edge of the survey area contributes to the measured response. Although oriented for minimal coupling to the Seattle transmitter, the fence nonetheless swamps out most other response. The E/W lines were not expected to provide much VLF response. In addition to the geology being poorly oriented, the lines themselves were pointing toward the station, guaranteeing uninterpretable response even for good conductors. Nevertheless, some weak structural information could be gleaned from the data.

The In Phase profiles clearly show the effects of topography and of the fence parallel to line 1100W. The three northern lines appear to be less affected by the fence which line crosses line 100S at approximately 1100W. VLF data was subjected to "Fraser" filtering in order to create a contourable data set in which much of the topographic induced response is eliminated. The filter output appears to be influenced by topographic variations by less than 10 percent.

When the Fraser filter response was plotted on the topographic surface, two facts were noted. The anomalies marked A, A', A'' occur on a topographic high. A'' may be a faulted off extension of A' Anomaly B appears to lie in a topographic trough and may be the expression of an East West fault.

A series of weak Fraser Filter highs extends from anomaly A' (450W,350S) toward the Old Bertha Adit which lies just off the NW corner of the survey area.

Magnetic data was smoothed before processing to adjust the frequency spectrum along the lines to more nearly approximate the east/west spectrum. The results of the filtering can be seen in the magnetic profile maps.

The east/west lines are underlain by rocks low in magnetite concentration. Three weakly magnetic thin dyke-like features are noted trending N to NE in the region north of the base line between lines 800 and 1100W. They may be interrupted by a NW trending feature seen weakly in the magnetics as a series of offsetting breaks and interpreted as faulting. This feature lies immediately south of the high magnetic response on line 700W which is known to be skarn mineralization.

A NW trending magnetic linear is noted between the north end of line 800W and 100N on line 500W. It terminates abruptly on a NW magnetic trend thought to be either a contact or fault.

In the process of filtering, the near surface narrow zone along the baseline was the most affected. This zone extends from line 700W at 75N to the Baseline at line 650W. Another possibly related magnetic event is noted on line 400W at 25S. The zone may be fault terminated.

At 400S between lines 400W to 100W, a broad magnetic high was noted. Strongest on lines 200W and 300W, this zone appears to be caused by a region of higher than average susceptibility, possibly intrusive rocks. They appear to be nearest surface on lines 300W and deeper on line 100W.

CONCLUSIONS

VLF has been successful in identifying conductive regions of the property. Many of the weak responses noted are due to structure, faults and shears rather than mineralization. The sulfide exposure on line 700W north of the baseline proves to be a conductor which extends to the ESE and appears to one of a series of short conductors.

Anomaly A - A' - A'' is situated on a topographic high. The amplitude of the Fraser filter response is probably influenced by the strong topographic relief.

Weak N/S trending zones are noted in the western part of the survey area. This region could perhaps be better surveyed by using the Hawaii transmitter site, but the response expected in the area would not be significantly better. In the Grand Forks area, east-west lines (north-south striking geology) cannot be properly surveyed with VLF unless a portable transmitter is used.

It is thought that the eastern part of the survey area is underlain by intrusive rocks and that a tongue of these rocks extends toward surface at about 350S on lines 100W to almost line 400W. The skarn mineralization shows as 2 distinct magnetic peaks and again partially revealed as a magnetic low at 50S on line 450W. A parallel magnetic lineament 200 meters NE of the showing, may indicate the presence of a thin vein of pyrrhotite/magnetite bearing rocks, probably not skarn.

J.M. Thornton, P.Geo.

STATEMENT OF QUALIFICATIONS

I, J.M. Thornton, of 3393 Fairmont Road, North Vancouver, B.C. certify that:

1) I am registered as a Professional Geoscientist (P.Geo.) by the Association of Professional Engineers and Geoscientists of B.C.

2) I have been practicing in this profession continuously since graduation from BCIT in 1967.

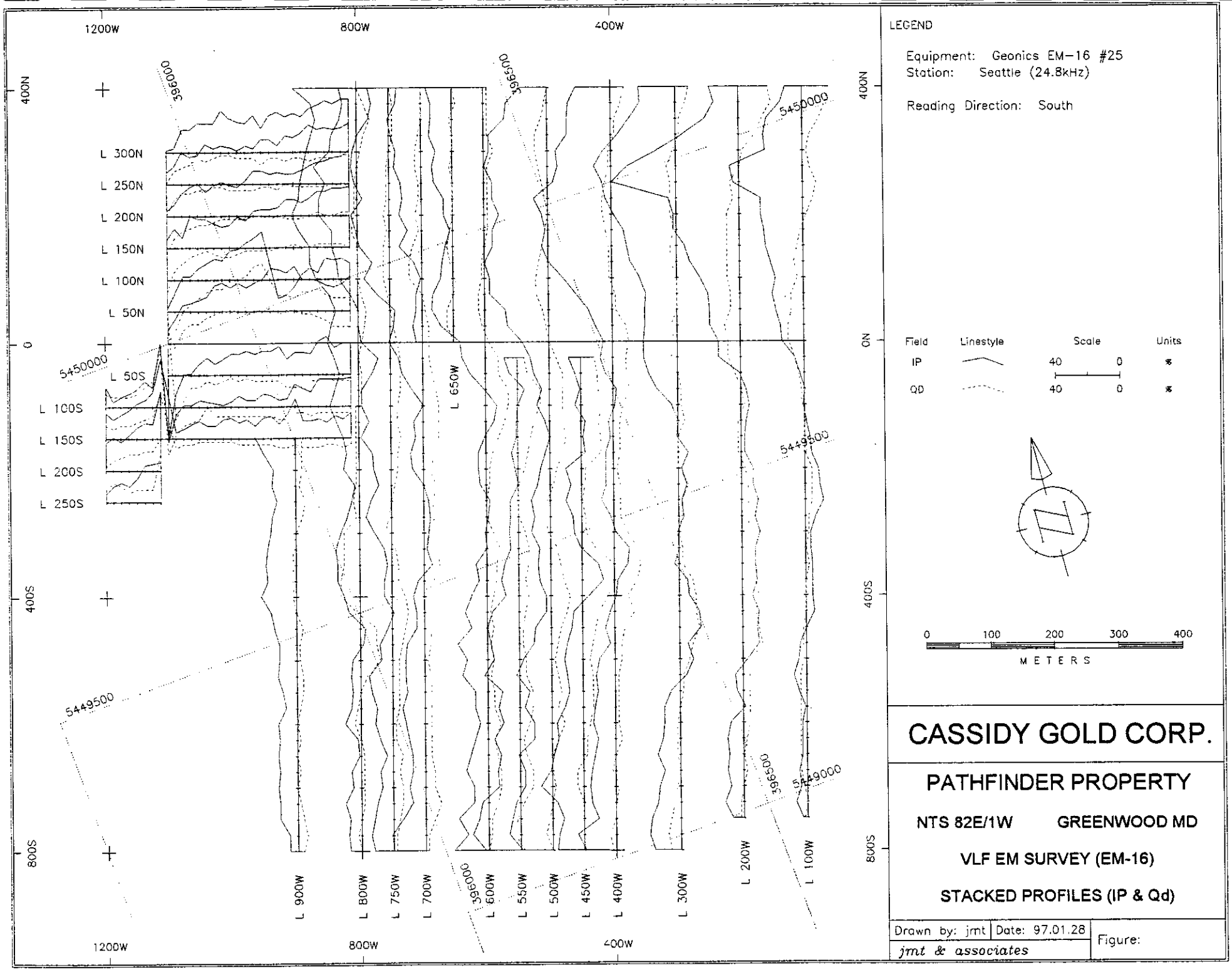
3) I have no interest in the Pathfinder Property nor do I expect to receive any interest in the future.

4) I have processed the data supplied by Rainbows & Sunshine group and can attest to the quality of the data provided. I have not visited the subject property.

J.M. Thornton, P.Geo.

APPENDIX F

GEOPHYSICAL DATA



CASSIDY GOLD CORP.

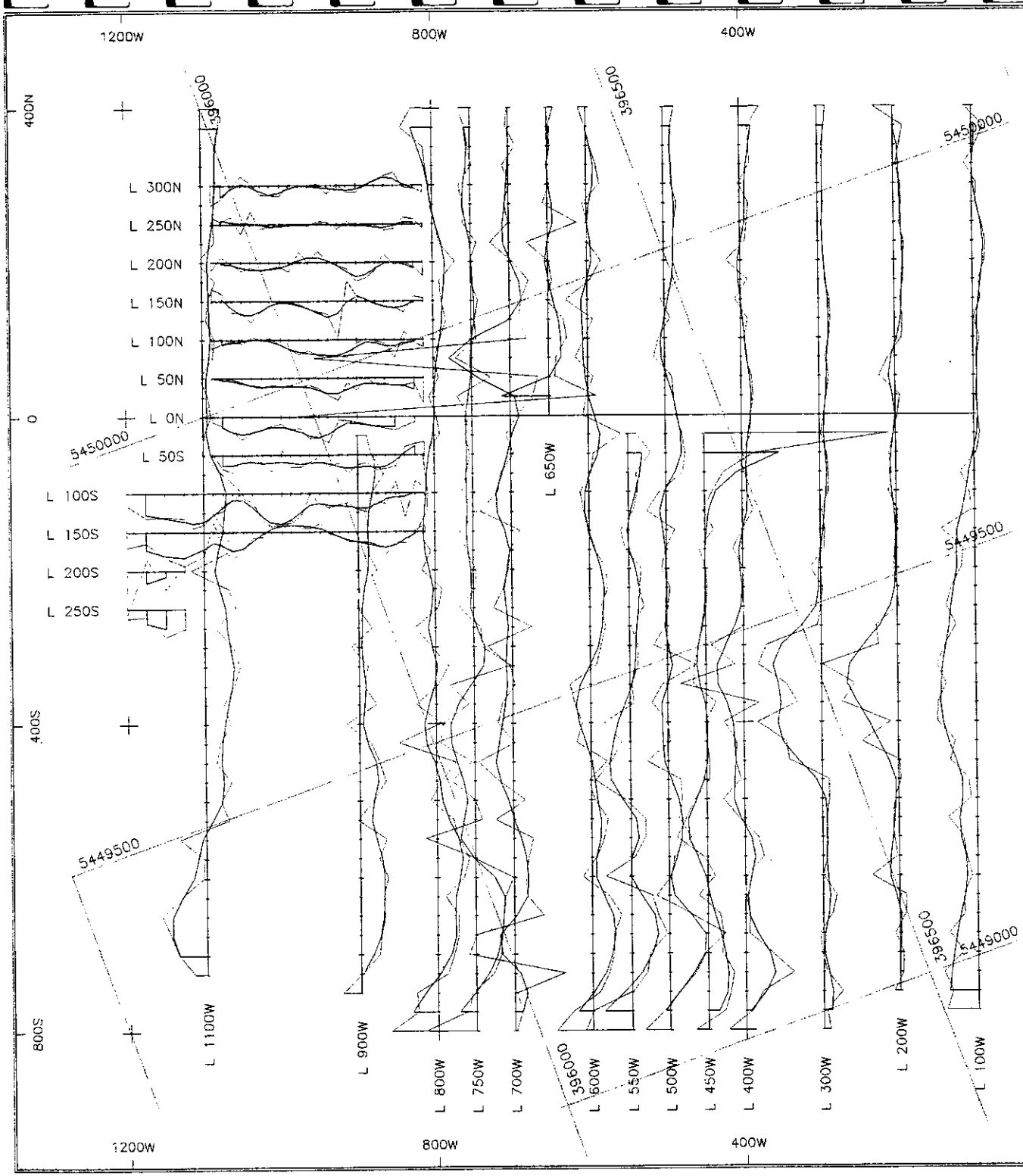
PATHFINDER PROPERTY

NTS 82E/1W GREENWOOD MD

VLF EM SURVEY (EM-16)

STACKED PROFILES (IP & Qd)

Drawn by: jmt	Date: 97.01.28	Figure:
jmt & associates		



Field	Linestyle	Scale		Units
MAG		57500	56500	nT
FMAG		57500	56500	nT

0 100 200 300 400

METERS

CASSIDY GOLD CORP.

PATHFINDER PROPERTY

NTS 82E/1W GREENWOOD MD

GROUND MAGNETOMETER SURVEY

STACKED PROFILES

Drawn by: jmt	Date: 97.02.01	Figure:
jmt & associates		

TOTAL FIELD MAGNETOMETER

UTMX	UTMY	MAG	F-MAG	LINE	STN
395620	5449319	56660	-9999	1100W	725S
395628	5449342	56868	56852	1100W	700S
395637	5449366	56964	56943	1100W	675S
395645	5449389	57083	56944	1100W	650S
395654	5449413	56835	56813	1100W	625S
395662	5449436	56542	56665	1100W	600S
395671	5449460	56532	56611	1100W	575S
395679	5449483	56842	56555	1100W	550S
395688	5449507	56214	56413	1100W	525S
395696	5449530	56309	56291	1100W	500S
395704	5449554	56184	56269	1100W	475S
395713	5449577	56360	56291	1100W	450S
395721	5449601	56317	56284	1100W	425S
395730	5449624	56188	56248	1100W	400S
395738	5449648	56267	56206	1100W	375S
395747	5449671	56141	56155	1100W	350S
395755	5449695	56057	56131	1100W	325S
395764	5449718	56142	56173	1100W	300S
395772	5449742	56361	56213	1100W	275S
395781	5449765	56106	56229	1100W	250S
395789	5449789	56194	56299	1100W	225S
395797	5449812	56672	56359	1100W	200S
395806	5449836	56148	56318	1100W	175S
395814	5449859	56230	56265	1100W	150S
395823	5449883	56396	56234	1100W	125S
395831	5449906	56008	56214	1100W	100S
395840	5449930	56262	56282	1100W	75S
395848	5449953	56506	56405	1100W	50S
395857	5449977	56494	56457	1100W	25S
395865	5450000	56404	56451	1100W	0N
395873	5450024	56443	56456	1100W	25N
395882	5450047	56538	56454	1100W	50N
395890	5450071	56376	56419	1100W	75N
395899	5450094	56350	56400	1100W	100N
395907	5450118	56456	56414	1100W	125N
395916	5450141	56441	56421	1100W	150N
395924	5450165	56340	56427	1100W	175N
395933	5450188	56556	56430	1100W	200N
395941	5450212	56347	56401	1100W	225N
395950	5450235	56355	56361	1100W	250N
395958	5450259	56345	56340	1100W	275N
395966	5450282	56318	56332	1100W	300N
395975	5450306	56334	56327	1100W	325N
395983	5450329	56333	56313	1100W	350N
395992	5450353	56271	56290	1100W	375N
396000	5450376	56266	-9999	1100W	400N
395800	5449228	56745	-9999	900W	750S
395808	5449251	56476	56471	900W	725S
395816	5449275	56250	56327	900W	700S
395825	5449298	56224	56234	900W	675S

UTMX	UTMY	MAG	F-MAG	LINE	STN
395833	5449322	56179	56198	900W	650S
395842	5449345	56202	56184	900W	625S
395850	5449369	56136	56184	900W	600S
395859	5449392	56244	56211	900W	575S
395867	5449416	56158	56280	900W	550S
395876	5449439	56528	56341	900W	525S
395884	5449463	56314	56314	900W	500S
395892	5449486	56159	56251	900W	475S
395901	5449510	56234	56275	900W	450S
395909	5449533	56344	56382	900W	425S
395918	5449557	56669	56449	900W	400S
395926	5449580	56278	56427	900W	375S
395935	5449604	56441	56410	900W	350S
395943	5449627	56382	56441	900W	325S
395952	5449651	56598	56461	900W	300S
395960	5449674	56328	56455	900W	275S
395969	5449698	56510	56450	900W	250S
395977	5449721	56492	56421	900W	225S
395985	5449745	56258	56369	900W	200S
395994	5449768	56379	56355	900W	175S
396002	5449792	56366	56371	900W	150S
396011	5449815	56414	56360	900W	125S
396019	5449839	56317	56304	900W	100S
396028	5449862	56157	56267	900W	75S
396036	5449886	56318	56292	900W	50S
396045	5449909	56380	-9999	900W	25S
395877	5449147	57110	-9999	800W	800S
395885	5449170	56752	56829	800W	775S
395894	5449194	56777	56660	800W	750S
395902	5449217	56373	56468	800W	725S
395910	5449241	56289	56322	800W	700S
395919	5449264	56230	56265	800W	675S
395927	5449288	56233	56272	800W	650S
395936	5449311	56397	56267	800W	625S
395944	5449335	56159	56210	800W	600S
395953	5449358	56091	56173	800W	575S
395961	5449382	56226	56223	800W	550S
395970	5449405	56280	56338	800W	525S
395978	5449429	56575	56424	800W	500S
395986	5449452	56434	56450	800W	475S
395995	5449476	56256	56515	800W	450S
396003	5449499	56991	56619	800W	425S
396012	5449523	56436	56646	800W	400S
396020	5449546	56754	56594	800W	375S
396029	5449570	56479	56514	800W	350S
396037	5449593	56335	56481	800W	325S
396046	5449617	56564	56544	800W	300S
396054	5449640	56758	56589	800W	275S
396063	5449664	56466	56545	800W	250S
396071	5449687	56413	56523	800W	225S

UTMX	UTMY	MAG	F-MAG	LINE	STN
396079	5449711	56676	56573	800W	200S
396088	5449734	56563	56629	800W	175S
396096	5449758	56740	56648	800W	150S
396105	5449781	56602	56633	800W	125S
396113	5449805	56591	56614	800W	100S
396122	5449828	56622	56607	800W	75S
396130	5449852	56647	56572	800W	50S
396139	5449875	56429	56514	800W	25S
396147	5449899	56469	56491	800W	0N
396155	5449922	56559	56494	800W	25N
396164	5449946	56441	56482	800W	50N
396172	5449969	56487	56452	800W	75N
396181	5449993	56413	56413	800W	100N
396189	5450016	56337	56385	800W	125N
396198	5450040	56395	56375	800W	150N
396206	5450063	56416	56355	800W	175N
396215	5450087	56212	56341	800W	200N
396223	5450110	56414	56384	800W	225N
396232	5450134	56462	56459	800W	250N
396240	5450157	56540	56519	800W	275N
396248	5450181	56551	56557	800W	300N
396257	5450204	56591	56604	800W	325N
396265	5450228	56618	56688	800W	350N
396274	5450251	56904	56769	800W	375N
396282	5450275	56762	-9999	800W	400N
395924	5449130	57160	-9999	750W	800S
395932	5449153	56607	56719	750W	775S
395941	5449177	56557	56513	750W	750S
395949	5449200	56276	56336	750W	725S
395957	5449224	56178	56222	750W	700S
395966	5449247	56168	56169	750W	675S
395974	5449271	56144	56140	750W	650S
395983	5449294	56125	56131	750W	625S
395991	5449318	56021	56249	750W	600S
396000	5449341	56516	56520	750W	575S
396008	5449365	57150	56696	750W	550S
396017	5449388	56412	56651	750W	525S
396025	5449412	56505	56601	750W	500S
396033	5449435	56811	56651	750W	475S
396042	5449459	56543	56731	750W	450S
396050	5449482	56944	56804	750W	425S
396059	5449506	56909	56808	750W	400S
396067	5449529	56586	56713	750W	375S
396076	5449553	56818	56543	750W	350S
396084	5449576	56033	56379	750W	325S
396093	5449600	56400	56356	750W	300S
396101	5449623	56412	56459	750W	275S
396110	5449647	56693	56536	750W	250S
396118	5449670	56473	56533	750W	225S
396126	5449694	56477	56533	750W	200S

TOTAL FIELD MAGNETOMETER

UTMX	UTMY	MAG	F-MAG	LINE	STN
396135	5449717	56598	56572	750W	175S
396143	5449741	56682	56588	750W	150S
396152	5449764	56449	56575	750W	125S
396160	5449788	56648	56580	750W	100S
396169	5449811	56592	56587	750W	75S
396177	5449835	56549	56579	750W	50S
396186	5449858	56599	56584	750W	25S
396194	5449882	56563	56587	750W	0N
396202	5449905	56702	56552	750W	25N
396211	5449929	56263	56515	750W	50N
396219	5449952	56712	56517	750W	75N
396228	5449976	56444	56503	750W	100N
396236	5449999	56463	56466	750W	125N
396245	5450023	56420	56462	750W	150N
396253	5450046	56514	56483	750W	175N
396262	5450070	56517	56494	750W	200N
396270	5450093	56432	56513	750W	225N
396279	5450117	56604	56562	750W	250N
396287	5450140	56617	56604	750W	275N
396295	5450164	56656	56594	750W	300N
396304	5450187	56491	56557	750W	325N
396312	5450211	56537	56550	750W	350N
396321	5450234	56574	56582	750W	375N
396329	5450258	56660	-9999	750W	400N
395971	5449113	56483	-9999	700W	800S
395979	5449137	56410	56408	700W	775S
395988	5449160	56470	56341	700W	750S
395996	5449184	55855	56425	700W	725S
396004	5449207	57095	56663	700W	700S
396013	5449231	57005	56693	700W	675S
396021	5449254	56124	56472	700W	650S
396030	5449278	56332	56328	700W	625S
396038	5449301	56358	56321	700W	600S
396047	5449325	56318	56341	700W	575S
396055	5449348	56261	56406	700W	550S
396064	5449372	56736	56494	700W	525S
396072	5449395	56357	56568	700W	500S
396080	5449419	56694	56667	700W	475S
396089	5449442	56960	56724	700W	450S
396097	5449466	56499	56686	700W	425S
396106	5449489	56698	56639	700W	400S
396114	5449513	56650	56603	700W	375S
396123	5449536	56478	56572	700W	350S
396131	5449560	56542	56585	700W	325S
396140	5449583	56824	56583	700W	300S
396148	5449607	56248	56557	700W	275S
396157	5449630	56741	56582	700W	250S
396165	5449654	56625	56606	700W	225S
396173	5449677	56551	56567	700W	200S
396182	5449701	56530	56533	700W	175S
396190	5449724	56401	56587	700W	150S
396199	5449748	56910	56685	700W	125S
396207	5449771	56682	56698	700W	100S
396216	5449795	56641	56622	700W	75S
396224	5449818	56475	56550	700W	50S
396233	5449842	56570	56490	700W	25S
396241	5449865	56416	56391	700W	0N
396249	5449889	56215	56449	700W	25N
396258	5449912	56150	56920	700W	50N
396266	5449936	59064	57296	700W	75N
396275	5449959	56288	57003	700W	100N
396283	5449983	56390	56516	700W	125N
396292	5450006	56360	56344	700W	150N
396300	5450030	56256	56376	700W	175N
396309	5450053	56474	56485	700W	200N
396317	5450077	56753	56582	700W	225N
396326	5450100	56519	56587	700W	250N
396334	5450124	56571	56553	700W	275N
396342	5450147	56502	56536	700W	300N
396351	5450171	56586	56519	700W	325N
396359	5450194	56416	56503	700W	350N
396368	5450218	56543	56509	700W	375N
396376	5450241	56531	-9999	700W	400N
396288	5449848	59826	-9999	650W	0N
396296	5449872	55896	57120	650W	25N
396305	5449895	56427	56493	650W	50N
396313	5449919	56411	56341	650W	75N
396322	5449942	56269	56341	650W	100N
396330	5449966	56307	56370	650W	125N
396339	5449989	56535	56440	650W	150N
396347	5450013	56458	56497	650W	175N
396356	5450036	56495	56536	650W	200N
396364	5450060	56777	56510	650W	225N
396373	5450083	56125	56443	650W	250N
396381	5450107	56565	56445	650W	275N
396389	5450130	56482	56489	650W	300N
396398	5450154	56517	56499	650W	325N
396406	5450177	56474	56488	650W	350N
396415	5450201	56495	56473	650W	375N
396423	5450224	56428	-9999	650W	400N
396065	5449079	56964	-9999	600W	800S
396073	5449103	56741	56682	600W	775S
396082	5449126	56410	56484	600W	750S
396090	5449150	56284	56324	600W	725S
396098	5449173	56221	56243	600W	700S
396107	5449197	56222	56208	600W	675S
396115	5449220	56135	56230	600W	650S
396124	5449244	56285	56337	600W	625S
396132	5449267	56621	56443	600W	600S
396141	5449291	56436	56440	600W	575S
396149	5449314	56342	56378	600W	550S
396158	5449338	56293	56371	600W	525S
396166	5449361	56462	56419	600W	500S
396174	5449385	56531	56450	600W	475S
396183	5449408	56298	56483	600W	450S
396191	5449432	56686	56563	600W	425S
396200	5449455	56614	56645	600W	400S
396208	5449479	56707	56680	600W	375S
396217	5449502	56766	56632	600W	350S
396225	5449526	56426	56507	600W	325S
396234	5449549	56369	56392	600W	300S
396242	5449573	56306	56342	600W	275S
396251	5449596	56364	56323	600W	250S
396259	5449620	56273	56313	600W	225S
396267	5449643	56293	56344	600W	200S
396276	5449667	56440	56422	600W	175S
396284	5449690	56525	56507	600W	150S
396293	5449714	56572	56556	600W	125S
396301	5449737	56614	56552	600W	100S
396310	5449761	56474	56484	600W	75S
396318	5449784	56444	56382	600W	50S
396327	5449808	56092	56349	600W	25S
396335	5449831	56566	56421	600W	0N
396343	5449855	56523	56493	600W	25N
396352	5449878	56434	56529	600W	50N
396360	5449902	56663	56554	600W	75N
396369	5449925	56547	56556	600W	100N
396377	5449949	56438	56566	600W	125N
396386	5449972	56777	56572	600W	150N
396394	5449996	56467	56508	600W	175N
396403	5450019	56320	56441	600W	200N
396411	5450043	56497	56455	600W	225N
396420	5450066	56500	56490	600W	250N
396428	5450090	56548	56470	600W	275N
396436	5450113	56339	56420	600W	300N
396445	5450137	56382	56410	600W	325N
396453	5450160	56464	56456	600W	350N
396462	5450184	56514	56513	600W	375N
396470	5450207	56592	-9999	600W	400N
396112	5449062	57092	-9999	550W	800S
396120	5449086	57000	56842	550W	775S
396129	5449109	56493	56593	550W	750S
396137	5449133	56296	56363	550W	725S
396145	5449156	56258	56218	550W	700S
396154	5449180	56030	56144	550W	675S
396162	5449203	56145	56186	550W	650S
396171	5449227	56222	56358	550W	625S
396179	5449250	56833	56509	550W	600S
396188	5449274	56451	56488	550W	575S
396196	5449297	56310	56394	550W	550S

TOTAL FIELD MAGNETOMETER

UTMX	UTMY	MAG	F-MAG	LINE	STN
396205	5449321	56307	56424	550W	525S
396213	5449344	56576	56593	550W	500S
396221	5449368	56940	56739	550W	475S
396230	5449391	56740	56755	550W	450S
396238	5449415	56619	56711	550W	425S
396247	5449438	56827	56654	550W	400S
396255	5449462	56453	56560	550W	375S
396264	5449485	56479	56468	550W	350S
396272	5449509	56396	56424	550W	325S
396281	5449532	56389	56414	550W	300S
396289	5449556	56480	56402	550W	275S
396298	5449579	56309	56372	550W	250S
396306	5449603	56364	56363	550W	225S
396314	5449626	56339	56412	550W	200S
396323	5449650	56547	56491	550W	175S
396331	5449673	56602	56518	550W	150S
396340	5449697	56442	56471	550W	125S
396348	5449720	56382	56403	550W	100S
396357	5449744	56396	56347	550W	75S
396365	5449767	56201	56317	550W	50S
396374	5449791	56394	-9999	550W	25S
396159	5449045	56826	-9999	500W	800S
396167	5449069	56568	56557	500W	775S
396176	5449092	56374	56374	500W	750S
396184	5449116	56153	56181	500W	725S
396192	5449139	56032	56032	500W	700S
396201	5449163	55780	56029	500W	675S
396209	5449186	56210	56221	500W	650S
396218	5449210	56662	56433	500W	625S
396226	5449233	56474	56480	500W	600S
396235	5449257	56441	56400	500W	575S
396243	5449280	56208	56331	500W	550S
396252	5449304	56370	56323	500W	525S
396260	5449327	56332	56364	500W	500S
396268	5449351	56342	56457	500W	475S
396277	5449374	56770	56546	500W	450S
396285	5449398	56476	56563	500W	425S
396294	5449421	56505	56569	500W	400S
396302	5449445	56708	56571	500W	375S
396311	5449468	56564	56497	500W	350S
396319	5449492	56135	56439	500W	325S
396328	5449515	56683	56487	500W	300S
396336	5449539	56523	56528	500W	275S
396345	5449562	56496	56510	500W	250S
396353	5449586	56459	56504	500W	225S
396361	5449609	56570	56514	500W	200S
396370	5449633	56518	56513	500W	175S
396378	5449656	56401	56541	500W	150S
396387	5449680	56760	56579	500W	125S
396395	5449703	56573	56517	500W	100S
396404	5449727	56285	56381	500W	75S
396412	5449750	56258	56301	500W	50S
396421	5449774	56296	56309	500W	25S
396429	5449797	56364	56350	500W	0N
396437	5449821	56391	56401	500W	25N
396446	5449844	56416	56475	500W	50N
396454	5449868	56648	56546	500W	75N
396463	5449891	56590	56552	500W	100N
396471	5449915	56435	56509	500W	125N
396480	5449938	56551	56456	500W	150N
396488	5449962	56317	56407	500W	175N
396497	5449985	56396	56382	500W	200N
396505	5450009	56387	56378	500W	225N
396514	5450032	56374	56370	500W	250N
396522	5450056	56334	56369	500W	275N
396530	5450079	56403	56385	500W	300N
396539	5450103	56401	56405	500W	325N
396547	5450126	56429	56412	500W	350N
396556	5450150	56413	56402	500W	375N
396564	5450173	56360	-9999	500W	400N
396206	5449029	56668	-9999	450W	800S
396214	5449052	56285	56359	450W	775S
396223	5449076	56211	56253	450W	750S
396231	5449099	56165	56230	450W	725S
396239	5449123	56313	56268	450W	700S
396248	5449146	56301	56325	450W	675S
396256	5449170	56342	56402	450W	650S
396265	5449193	56614	56472	450W	625S
396273	5449217	56412	56524	450W	600S
396282	5449240	56555	56623	450W	575S
396290	5449264	56899	56737	450W	550S
396299	5449287	56778	56743	450W	525S
396307	5449311	56652	56640	450W	500S
396315	5449334	56464	56533	450W	475S
396324	5449358	56464	56487	450W	450S
396332	5449381	56494	56483	450W	425S
396341	5449405	56517	56483	450W	400S
396349	5449428	56379	56510	450W	375S
396358	5449452	56668	56578	450W	350S
396366	5449475	56653	56619	450W	325S
396375	5449499	56597	56596	450W	300S
396383	5449522	56545	56548	450W	275S
396392	5449546	56497	56510	450W	250S
396400	5449569	56475	56497	450W	225S
396408	5449593	56497	56505	450W	200S
396417	5449616	56579	56501	450W	175S
396425	5449640	56386	56478	450W	150S
396434	5449663	56531	56448	450W	125S
396442	5449687	56400	56362	450W	100S
396451	5449710	56256	56074	450W	75S
396459	5449734	55853	55529	450W	50S
396468	5449757	54099	-9999	450W	25S
396253	5449012	56738	-9999	400W	800S
396261	5449035	56419	56437	400W	775S
396270	5449059	56297	56246	400W	750S
396278	5449082	55895	56131	400W	725S
396286	5449106	56164	56196	400W	700S
396295	5449129	56456	56350	400W	675S
396303	5449153	56454	56450	400W	650S
396312	5449176	56500	56470	400W	625S
396320	5449200	56494	56427	400W	600S
396329	5449223	56269	56376	400W	575S
396337	5449247	56338	56418	400W	550S
396346	5449270	56574	56549	400W	525S
396354	5449294	56791	56637	400W	500S
396362	5449317	56548	56630	400W	475S
396371	5449341	56612	56616	400W	450S
396379	5449364	56606	56628	400W	425S
396388	5449388	56771	56644	400W	400S
396396	5449411	56326	56728	400W	375S
396405	5449435	57345	56847	400W	350S
396413	5449458	56618	56853	400W	325S
396422	5449482	56934	56744	400W	300S
396430	5449505	56495	56615	400W	275S
396439	5449529	56502	56530	400W	250S
396447	5449552	56514	56515	400W	225S
396455	5449576	56502	56539	400W	200S
396464	5449599	56637	56547	400W	175S
396472	5449623	56509	56502	400W	150S
396481	5449646	56370	56446	400W	125S
396489	5449670	56450	56435	400W	100S
396498	5449693	56444	56451	400W	75S
396506	5449717	56496	56448	400W	50S
396515	5449740	56394	56418	400W	25S
396523	5449764	56386	56387	400W	0N
396531	5449787	56356	56376	400W	25N
396540	5449811	56374	56394	400W	50N
396548	5449834	56447	56425	400W	75N
396557	5449858	56463	56450	400W	100N
396565	5449881	56418	56473	400W	125N
396574	5449905	56585	56500	400W	150N
396582	5449928	56413	56530	400W	175N
396591	5449952	56698	56539	400W	200N
396599	5449975	56444	56496	400W	225N
396608	5449999	56417	56445	400W	250N
396616	5450022	56404	56437	400W	275N
396624	5450046	56520	56441	400W	300N
396633	5450069	56378	56419	400W	325N
396641	5450093	56388	56388	400W	350N
396650	5450116	56400	56356	400W	375N

TOTAL FIELD MAGNETOMETER

UTMX	UTMY	MAG	F-MAG	LINE	STN
396658	5450140	56251	-9999	400W	400N
396347	5448978	56422	-9999	300W	800S
396355	5449001	56456	56395	300W	775S
396364	5449025	56261	56385	300W	750S
396372	5449048	56456	56428	300W	725S
396380	5449072	56516	56484	300W	700S
396389	5449095	56544	56478	300W	675S
396397	5449119	56382	56426	300W	650S
396406	5449142	56334	56408	300W	625S
396414	5449166	56501	56433	300W	600S
396423	5449189	56442	56450	300W	575S
396431	5449213	56440	56445	300W	550S
396440	5449236	56448	56436	300W	525S
396448	5449260	56416	56457	300W	500S
396456	5449283	56417	56580	300W	475S
396465	5449307	56923	56802	300W	450S
396473	5449330	56970	57005	300W	425S
396482	5449354	57334	57067	300W	400S
396490	5449377	56822	57028	300W	375S
396499	5449401	56970	57061	300W	350S
396507	5449424	57325	57132	300W	325S
396516	5449448	57227	57024	300W	300S
396524	5449471	56559	56757	300W	275S
396533	5449495	56512	56567	300W	250S
396541	5449518	56472	56531	300W	225S
396549	5449542	56649	56536	300W	200S
396558	5449565	56459	56505	300W	175S
396566	5449589	56444	56467	300W	150S
396575	5449612	56483	56444	300W	125S
396583	5449636	56395	56420	300W	100S
396592	5449659	56389	56409	300W	75S
396600	5449683	56416	56428	300W	50S
396609	5449706	56488	56448	300W	25S
396617	5449730	56445	56440	300W	0N
396625	5449753	56405	56414	300W	25N
396634	5449777	56378	56399	300W	50N
396642	5449800	56420	56392	300W	75N
396651	5449824	56372	56379	300W	100N
396659	5449847	56353	56368	300W	125N
396668	5449871	56359	56377	300W	150N
396676	5449894	56418	56403	300W	175N
396685	5449918	56425	56426	300W	200N
396693	5449941	56444	56440	300W	225N
396702	5449965	56456	56444	300W	250N
396710	5449988	56432	56440	300W	275N
396718	5450012	56435	56437	300W	300N
396727	5450035	56437	56438	300W	325N
396735	5450059	56451	56434	300W	350N
396744	5450082	56415	56420	300W	375N
396752	5450106	56393	-9999	300W	400N
396458	5448991	56579	-9999	200W	750S
396466	5449015	56468	56502	200W	725S
396474	5449038	56460	56492	200W	700S
396483	5449062	56559	56485	200W	675S
396491	5449085	56418	56484	200W	650S
396500	5449109	56422	56542	200W	625S
396508	5449132	56847	56616	200W	600S
396517	5449156	56526	56613	200W	575S
396525	5449179	56564	56576	200W	550S
396534	5449203	56580	56561	200W	525S
396542	5449226	56558	56540	200W	500S
396550	5449250	56480	56540	200W	475S
396559	5449273	56490	56622	200W	450S
396567	5449297	56982	56750	200W	425S
396576	5449320	56605	56881	200W	400S
396584	5449344	57243	57043	200W	375S
396593	5449367	57083	57174	200W	350S
396601	5449391	57490	57145	200W	325S
396610	5449414	56756	56950	200W	300S
396618	5449438	56780	56730	200W	275S
396627	5449461	56494	56587	200W	250S
396635	5449485	56502	56531	200W	225S
396643	5449508	56550	56525	200W	200S
396652	5449532	56526	56521	200W	175S
396660	5449555	56496	56513	200W	150S
396669	5449579	56492	56527	200W	125S
396677	5449602	56602	56558	200W	100S
396686	5449626	56565	56575	200W	75S
396694	5449649	56594	56565	200W	50S
396703	5449673	56532	56533	200W	25S
396711	5449696	56488	56510	200W	0N
396719	5449720	56450	56539	200W	25N
396728	5449743	56714	56583	200W	50N
396736	5449767	56585	56556	200W	75N
396745	5449790	56418	56476	200W	100N
396753	5449814	56404	56426	200W	125N
396762	5449837	56435	56414	200W	150N
396770	5449861	56398	56404	200W	175N
396779	5449884	56388	56396	200W	200N
396787	5449908	56385	56402	200W	225N
396796	5449931	56441	56415	200W	250N
396804	5449955	56411	56423	200W	275N
396812	5449978	56418	56433	200W	300N
396821	5450002	56476	56442	200W	325N
396829	5450025	56437	56454	200W	350N
396838	5450049	56388	56507	200W	375N
396846	5450072	56764	-9999	200W	400N
396543	5448934	56908	-9999	100W	775S
396552	5448957	56829	56869	100W	750S
396560	5448981	56936	56841	100W	725S
396568	5449004	56686	56801	100W	700S
396577	5449028	56865	56765	100W	675S
396585	5449051	56670	56718	100W	650S
396594	5449075	56686	56663	100W	625S
396602	5449098	56576	56632	100W	600S
396611	5449122	56639	56651	100W	575S
396619	5449145	56678	56705	100W	550S
396628	5449169	56876	56721	100W	525S
396636	5449192	56582	56683	100W	500S
396644	5449216	56602	56685	100W	475S
396653	5449239	56843	56760	100W	450S
396661	5449263	56779	56853	100W	425S
396670	5449286	57002	56928	100W	400S
396678	5449310	56995	56957	100W	375S
396687	5449333	56889	56952	100W	350S
396695	5449357	57003	56932	100W	325S
396704	5449380	56897	56887	100W	300S
396712	5449404	56757	56841	100W	275S
396721	5449427	56880	56820	100W	250S
396729	5449451	56810	56781	100W	225S
396737	5449474	56678	56734	100W	200S
396746	5449498	56654	56734	100W	175S
396754	5449521	56939	56729	100W	150S
396763	5449545	56541	56664	100W	125S
396771	5449568	56572	56608	100W	100S
396780	5449592	56679	56576	100W	75S
396788	5449615	56470	56517	100W	50S
396797	5449639	56427	56461	100W	25S
396805	5449662	56448	56450	100W	0N
396813	5449686	56469	56457	100W	25N
396822	5449709	56454	56457	100W	50N
396830	5449733	56461	56452	100W	75N
396839	5449756	56421	56450	100W	100N
396847	5449780	56490	56446	100W	125N
396856	5449803	56409	56429	100W	150N
396864	5449827	56420	56398	100W	175N
396873	5449850	56345	56368	100W	200N
396881	5449874	56335	56362	100W	225N
396890	5449897	56382	56391	100W	250N
396898	5449921	56457	56438	100W	275N
396906	5449944	56450	56484	100W	300N
396915	5449968	56595	56500	100W	325N
396923	5449991	56453	56474	100W	350N
396932	5450015	56360	56463	100W	375N
396940	5450038	56594	-9999	100W	400N
395978	5450278	56235	-9999	300N	1088W
395990	5450274	56315	56351	300N	1075W
396001	5450270	56454	56451	300N	1063W

TOTAL FIELD MAGNETOMETER

UTMX	UTMY	MAG	F-MAG	LINE	STN
396013	5450265	56616	56520	300N	1050W
396025	5450261	56531	56498	300N	1038W
396037	5450257	56374	56426	300N	1025W
396048	5450253	56367	56386	300N	1013W
396060	5450248	56360	56409	300N	1000W
396072	5450244	56510	56460	300N	988W
396084	5450240	56497	56494	300N	975W
396095	5450236	56503	56498	300N	963W
396107	5450232	56516	56481	300N	950W
396119	5450227	56392	56463	300N	938W
396131	5450223	56522	56453	300N	925W
396142	5450219	56407	56441	300N	913W
396154	5450215	56409	56449	300N	900W
396166	5450211	56502	56496	300N	888W
396178	5450206	56564	56560	300N	875W
396189	5450202	56623	56602	300N	863W
396201	5450198	56667	56589	300N	850W
396213	5450194	56475	56524	300N	838W
396225	5450189	56460	56463	300N	825W
396236	5450185	56404	-9999	300N	813W
395961	5450231	56581	-9999	250N	1088W
395973	5450227	56524	56548	250N	1075W
395984	5450223	56597	56524	250N	1063W
395997	5450218	56364	56511	250N	1050W
396008	5450214	56661	56513	250N	1038W
396020	5450210	56433	56495	250N	1025W
396031	5450206	56462	56471	250N	1013W
396044	5450201	56470	56474	250N	1000W
396055	5450197	56495	56487	250N	988W
396067	5450193	56500	56493	250N	975W
396078	5450189	56475	56499	250N	963W
396091	5450185	56530	56507	250N	950W
396102	5450180	56524	56500	250N	938W
396114	5450176	56431	56489	250N	925W
396125	5450172	56534	56489	250N	913W
396138	5450168	56474	56488	250N	900W
396149	5450164	56478	56480	250N	888W
396161	5450159	56490	56465	250N	875W
396172	5450155	56420	56455	250N	863W
396185	5450151	56437	56479	250N	850W
396196	5450147	56579	56520	250N	838W
396208	5450142	56558	56525	250N	825W
396219	5450138	56444	-9999	250N	813W
395944	5450184	56397	-9999	200N	1088W
395956	5450180	56564	56487	200N	1075W
395967	5450176	56484	56472	200N	1063W
395980	5450171	56391	56434	200N	1050W
395991	5450167	56428	56412	200N	1038W
396003	5450163	56387	56409	200N	1025W

UTMX	UTMY	MAG	F-MAG	LINE	STN
396014	5450159	56420	56416	200N	1013W
396027	5450154	56444	56430	200N	1000W
396038	5450150	56378	56469	200N	988W
396050	5450146	56634	56527	200N	975W
396061	5450142	56509	56565	200N	963W
396074	5450138	56637	56565	200N	950W
396085	5450133	56522	56527	200N	938W
396097	5450129	56459	56461	200N	925W
396108	5450125	56414	56383	200N	913W
396121	5450121	56248	56324	200N	900W
396132	5450117	56297	56335	200N	888W
396144	5450112	56393	56417	200N	875W
396155	5450108	56600	56491	200N	863W
396168	5450104	56470	56505	200N	850W
396179	5450100	56506	56475	200N	838W
396191	5450095	56440	56428	200N	825W
396202	5450091	56320	-9999	200N	813W
395927	5450137	56654	-9999	150N	1088W
395939	5450133	56594	56527	150N	1075W
395950	5450129	56348	56419	150N	1063W
395963	5450124	56340	56330	150N	1050W
395974	5450120	56223	56313	150N	1038W
395986	5450116	56365	56369	150N	1025W
395997	5450112	56500	56444	150N	1013W
396010	5450107	56482	56480	150N	1000W
396021	5450103	56495	56475	150N	988W
396033	5450099	56449	56444	150N	975W
396044	5450095	56400	56402	150N	963W
396057	5450091	56354	56345	150N	950W
396068	5450086	56330	56289	150N	938W
396080	5450082	56019	56336	150N	925W
396091	5450078	56756	56484	150N	913W
396104	5450074	56569	56563	150N	900W
396115	5450070	56524	56527	150N	888W
396127	5450065	56457	56470	150N	875W
396138	5450061	56426	56430	150N	863W
396151	5450057	56406	56411	150N	850W
396162	5450053	56355	56433	150N	838W
396174	5450048	56554	56487	150N	825W
396185	5450044	56537	-9999	150N	813W
395910	5450090	56376	-9999	100N	1088W
395922	5450086	56438	56433	100N	1075W
395934	5450082	56480	56457	100N	1063W
395946	5450077	56446	56477	100N	1050W
395957	5450073	56525	56494	100N	1038W
395969	5450069	56495	56500	100N	1025W
395981	5450065	56513	56479	100N	1013W
395993	5450060	56426	56432	100N	1000W
396004	5450056	56378	56378	100N	988W

UTMX	UTMY	MAG	F-MAG	LINE	STN
396016	5450052	56302	56341	100N	975W
396028	5450048	56354	56323	100N	963W
396040	5450044	56292	56309	100N	950W
396051	5450039	56295	56295	100N	938W
396063	5450035	56291	56297	100N	925W
396075	5450031	56269	56336	100N	913W
396087	5450027	56451	56410	100N	900W
396098	5450023	56502	56465	100N	888W
396110	5450018	56476	56460	100N	875W
396122	5450014	56447	56421	100N	863W
396134	5450010	56264	56419	100N	850W
396145	5450006	56599	56460	100N	838W
396157	5450001	56466	56470	100N	825W
396169	5449997	56398	-9999	100N	813W
395893	5450043	56492	-9999	50N	1088W
395905	5450039	56468	56475	50N	1075W
395917	5450035	56480	56461	50N	1063W
395929	5450030	56436	56434	50N	1050W
395940	5450026	56395	56404	50N	1038W
395952	5450022	56367	56388	50N	1025W
395964	5450018	56400	56390	50N	1013W
395976	5450013	56394	56395	50N	1000W
395987	5450009	56400	56395	50N	988W
395999	5450005	56386	56393	50N	975W
396011	5450001	56405	56382	50N	963W
396023	5449997	56365	56343	50N	950W
396034	5449992	56271	56298	50N	938W
396046	5449988	56208	56299	50N	925W
396058	5449984	56437	56349	50N	913W
396070	5449980	56339	56402	50N	900W
396081	5449976	56510	56431	50N	888W
396093	5449971	56404	56431	50N	875W
396105	5449967	56423	56417	50N	863W
396117	5449963	56400	56410	50N	850W
396128	5449959	56407	56397	50N	838W
396140	5449954	56429	56351	50N	825W
396152	5449950	56164	-9999	50N	813W
395876	5449996	56420	-9999	0N	1088W
395889	5449992	56374	56355	0N	1075W
395900	5449988	56301	56302	0N	1063W
395912	5449983	56202	56270	0N	1050W
395923	5449979	56300	56287	0N	1038W
395936	5449975	56328	56328	0N	1025W
395947	5449971	56369	56360	0N	1013W
395959	5449966	56401	56366	0N	1000W
395970	5449962	56326	56345	0N	988W
395983	5449958	56346	56303	0N	975W
395994	5449954	56212	56253	0N	963W
396006	5449950	56226	56227	0N	950W

TOTAL FIELD MAGNETOMETER

UTMX	UTMY	MAG	F-MAG	LINE	STN
396017	5449945	56156	56270	0N	938W
396030	5449941	56455	56360	0N	925W
396041	5449937	56440	56416	0N	913W
396053	5449933	56420	56407	0N	900W
396077	5449924	56362	56375	0N	875W
396100	5449916	56323	56366	0N	850W
396124	5449907	56420	-9999	0N	825W
395859	5449949	56507	-9999	50S	1088W
395872	5449945	56311	56365	50S	1075W
395883	5449941	56269	56361	50S	1063W
395895	5449936	56500	56401	50S	1050W
395906	5449932	56407	56414	50S	1038W
395919	5449928	56405	56393	50S	1025W
395930	5449924	56290	56398	50S	1013W
395942	5449919	56564	56416	50S	1000W
395953	5449915	56343	56399	50S	988W
395966	5449911	56342	56380	50S	975W
395977	5449907	56409	56398	50S	963W
395989	5449903	56462	56409	50S	950W
396000	5449899	56352	56386	50S	938W
396013	5449894	56386	56351	50S	925W
396024	5449890	56263	56334	50S	913W
396036	5449886	56370	56345	50S	900W
396047	5449882	56390	56352	50S	888W
396060	5449877	56306	56338	50S	875W
396071	5449873	56321	56347	50S	863W
396083	5449869	56351	56421	50S	850W
396094	5449865	56600	56535	50S	838W
396107	5449860	56641	56617	50S	825W
396118	5449856	56663	-9999	50S	813W
395737	5449940	56346	-9999	100S	1200W
395761	5449932	56178	56227	100S	1175W
395784	5449923	56196	56185	100S	1150W
395808	5449915	56169	56143	100S	1125W
395819	5449911	56053	56112	100S	1113W
395831	5449906	56093	56132	100S	1100W
395842	5449902	56226	56214	100S	1088W
395855	5449898	56275	56326	100S	1075W
395866	5449894	56535	56415	100S	1063W
395878	5449889	56432	56417	100S	1050W
395889	5449885	56378	56324	100S	1038W
395902	5449881	56146	56200	100S	1025W
395913	5449877	56070	56120	100S	1013W
395925	5449872	56105	56108	100S	1000W
395936	5449868	56116	56157	100S	988W
395949	5449864	56209	56260	100S	975W
395960	5449860	56496	56354	100S	963W
395972	5449856	56358	56371	100S	950W
395983	5449852	56309	56347	100S	938W
395996	5449847	56352	56342	100S	925W
396007	5449843	56369	56333	100S	913W
396019	5449839	56286	56311	100S	900W
396030	5449835	56260	56312	100S	888W
396043	5449830	56388	56361	100S	875W
396054	5449826	56367	56428	100S	863W
396066	5449822	56661	56452	100S	850W
396077	5449818	56188	56460	100S	838W
396090	5449813	56660	56512	100S	825W
396101	5449809	56576	-9999	100S	813W
395720	5449893	56300	-9999	150S	1200W
395744	5449885	56351	56266	150S	1175W
395767	5449876	56154	56192	150S	1150W
395791	5449868	56062	56171	150S	1125W
395814	5449859	56192	56272	150S	1100W
395826	5449855	56635	56365	150S	1088W
395838	5449851	56263	56323	150S	1075W
395849	5449847	56146	56254	150S	1063W
395861	5449842	56270	56285	150S	1050W
395873	5449838	56417	56381	150S	1038W
395885	5449834	56432	56477	150S	1025W
395896	5449830	56646	56548	150S	1013W
395908	5449825	56523	56583	150S	1000W
395920	5449821	56657	56590	150S	988W
395932	5449817	56553	56580	150S	975W
395943	5449813	56548	56567	150S	963W
395955	5449809	56612	56546	150S	950W
395967	5449805	56470	56496	150S	938W
395979	5449800	56436	56435	150S	925W
395990	5449796	56370	56392	150S	913W
396002	5449792	56368	56370	150S	900W
396014	5449788	56364	56348	150S	888W
396026	5449783	56335	56315	150S	875W
396037	5449779	56208	56299	150S	863W
396049	5449775	56370	56332	150S	850W
396061	5449771	56351	56403	150S	838W
396073	5449766	56522	56480	150S	825W
396084	5449762	56573	-9999	150S	813W
395703	5449846	55922	-9999	200S	1200W
395727	5449838	56639	56340	200S	1175W
395750	5449829	56250	56420	200S	1150W
395774	5449821	56582	-9999	200S	1125W
395687	5449799	56374	-9999	250S	1200W
395710	5449791	56394	56311	250S	1175W
395734	5449782	56140	56250	250S	1150W
395757	5449774	56239	-9999	250S	1125W

UTMX	UTMY	MAG	F-MAG	LINE	STN

VLF EM DATA EM-16 Seattle (24.8 kHz) Reading Direction: South

UTMX	UTMY	IP	QD	LINE	STN
395783	5449181	5	-4	900W	800S
395791	5449204	5	-6	900W	775S
395800	5449228	11	-4	900W	750S
395808	5449251	11	-2	900W	725S
395816	5449275	12	0	900W	700S
395825	5449298	11	-2	900W	675S
395833	5449322	12	0	900W	650S
395842	5449345	11	-2	900W	625S
395850	5449369	12	0	900W	600S
395859	5449392	7	-2	900W	575S
395867	5449416	9	-4	900W	550S
395876	5449439	12	-4	900W	525S
395884	5449463	11	-2	900W	500S
395892	5449486	11	-2	900W	475S
395901	5449510	14	-4	900W	450S
395909	5449533	16	0	900W	425S
395918	5449557	22	2	900W	400S
395926	5449580	18	2	900W	375S
395935	5449604	19	2	900W	350S
395943	5449627	18	2	900W	325S
395952	5449651	16	0	900W	300S
395960	5449674	15	-4	900W	275S
395969	5449698	12	-6	900W	250S
395977	5449721	15	-2	900W	225S
395985	5449745	14	-4	900W	200S
395994	5449768	20	-4	900W	175S
396002	5449792	25	-4	900W	150S
395877	5449147	7	0	800W	800S
395885	5449170	8	2	800W	775S
395894	5449194	7	0	800W	750S
395902	5449217	10	-2	800W	725S
395910	5449241	5	-2	800W	700S
395919	5449264	6	-2	800W	675S
395927	5449288	1	-2	800W	650S
395936	5449311	2	0	800W	625S
395944	5449335	10	4	800W	600S
395953	5449358	6	2	800W	575S
395961	5449382	5	0	800W	550S
395970	5449405	6	-4	800W	525S
395978	5449429	5	-12	800W	500S
395986	5449452	-2	-10	800W	475S
395995	5449476	-3	-10	800W	450S
396003	5449499	7	2	800W	425S
396012	5449523	10	12	800W	400S
396020	5449546	14	12	800W	375S
396029	5449570	14	10	800W	350S
396037	5449593	15	10	800W	325S
396046	5449617	12	10	800W	300S
396054	5449640	8	2	800W	275S
396063	5449664	5	4	800W	250S

UTMX	UTMY	IP	QD	LINE	STN
396071	5449687	3	2	800W	225S
396079	5449711	10	2	800W	200S
396088	5449734	8	2	800W	175S
396096	5449758	10	2	800W	150S
396105	5449781	14	2	800W	125S
396113	5449805	18	2	800W	100S
396122	5449828	15	-2	800W	75S
396130	5449852	12	-2	800W	50S
396139	5449875	15	0	800W	25S
396147	5449899	19	-2	800W	0N
396155	5449922	17	-4	800W	25N
396164	5449946	14	-5	800W	50N
396172	5449969	18	-2	800W	75N
396181	5449993	26	0	800W	100N
396189	5450016	30	0	800W	125N
396198	5450040	30	0	800W	150N
396206	5450063	37	4	800W	175N
396215	5450087	41	2	800W	200N
396223	5450110	37	2	800W	225N
396232	5450134	36	2	800W	250N
396240	5450157	34	0	800W	275N
396248	5450181	32	-2	800W	300N
396257	5450204	29	-4	800W	325N
396265	5450228	26	-8	800W	350N
396274	5450251	29	-4	800W	375N
396282	5450275	40	0	800W	400N
395924	5449130	12	-2	750W	800S
395932	5449153	14	-2	750W	775S
395941	5449177	12	-4	750W	750S
395949	5449200	10	-6	750W	725S
395957	5449224	7	-6	750W	700S
395966	5449247	8	-4	750W	675S
395974	5449271	4	-6	750W	650S
395983	5449294	8	-2	750W	625S
395991	5449318	11	-2	750W	600S
396000	5449341	10	-4	750W	575S
396008	5449365	13	-4	750W	550S
396017	5449388	15	-4	750W	525S
396025	5449412	7	-4	750W	500S
396033	5449435	8	-6	750W	475S
396042	5449459	3	-8	750W	450S
396050	5449482	-1	-10	750W	425S
396059	5449506	5	-8	750W	400S
396067	5449529	5	-4	750W	375S
396076	5449553	3	-4	750W	350S
396084	5449576	5	-2	750W	325S
396093	5449600	11	4	750W	300S
396101	5449623	16	2	750W	275S
396110	5449647	13	0	750W	250S
396118	5449670	8	-2	750W	225S

UTMX	UTMY	IP	QD	LI	
396126	5449694	11	-4	750W	200S
396135	5449717	12	-4	750W	175S
396143	5449741	19	-6	750W	150S
396152	5449764	14	-4	750W	125S
396160	5449788	18	-4	750W	100S
396169	5449811	18	-6	750W	75S
396177	5449835	12	-6	750W	50S
396186	5449858	8	-6	750W	25S
396194	5449882	18	-4	750W	0N
396202	5449905	20	-2	750W	25N
396211	5449929	20	0	750W	50N
396219	5449952	25	2	750W	75N
396228	5449976	32	4	750W	100N
396236	5449999	33	4	750W	125N
396245	5450023	36	4	750W	150N
396253	5450046	36	2	750W	175N
396262	5450070	44	4	750W	200N
396270	5450093	44	2	750W	225N
396279	5450117	40	2	750W	250N
396287	5450140	47	2	750W	275N
396295	5450164	37	0	750W	300N
396304	5450187	36	-2	750W	325N
396312	5450211	31	-2	750W	350N
396321	5450234	29	-2	750W	375N
396329	5450258	31	0	750W	400N
395971	5449113	20	-2	700W	800S
395979	5449137	21	-2	700W	775S
395988	5449160	14	-6	700W	750S
395996	5449184	8	-10	700W	725S
396004	5449207	10	-6	700W	700S
396013	5449231	8	-6	700W	675S
396021	5449254	8	-4	700W	650S
396030	5449278	10	-4	700W	625S
396038	5449301	12	-4	700W	600S
396047	5449325	14	-4	700W	575S
396055	5449348	11	-4	700W	550S
396064	5449372	12	-4	700W	525S
396072	5449395	12	-2	700W	500S
396080	5449419	11	-4	700W	475S
396089	5449442	5	-4	700W	450S
396097	5449466	5	-6	700W	425S
396106	5449489	7	-6	700W	400S
396114	5449513	4	-6	700W	375S
396123	5449536	-5	-10	700W	350S
396131	5449560	-2	-8	700W	325S
396140	5449583	-3	-8	700W	300S
396148	5449607	-4	-6	700W	275S
396157	5449630	-3	-6	700W	250S
396165	5449654	0	-8	700W	225S
396173	5449677	7	-4	700W	200S

VLF EM DATA EM-16 Seattle (24.8 kHz) Reading Direction: South

UTMX	UTMY	IP	QD	LINE	STN
396182	5449701	8	-8	700W	175S
396190	5449724	5	-10	700W	150S
396199	5449748	6	-10	700W	125S
396207	5449771	0	-10	700W	100S
396216	5449795	7	-8	700W	75S
396224	5449818	13	-6	700W	50S
396233	5449842	15	-4	700W	25S
396241	5449865	21	-4	700W	0N
396249	5449889	18	-4	700W	25N
396258	5449912	17	-2	700W	50N
396266	5449936	28	0	700W	75N
396275	5449959	36	8	700W	100N
396283	5449983	31	8	700W	125N
396292	5450006	39	6	700W	150N
396300	5450030	41	2	700W	175N
396309	5450053	44	4	700W	200N
396317	5450077	37	2	700W	225N
396326	5450100	42	2	700W	250N
396334	5450124	44	4	700W	275N
396342	5450147	43	4	700W	300N
396351	5450171	40	2	700W	325N
396359	5450194	33	0	700W	350N
396368	5450218	31	0	700W	375N
396376	5450241	33	0	700W	400N
396288	5449848	24	0	650W	0N
396296	5449872	26	4	650W	25N
396305	5449895	24	4	650W	50N
396313	5449919	24	0	650W	75N
396322	5449942	21	-2	650W	100N
396330	5449966	25	2	650W	125N
396339	5449989	34	4	650W	150N
396347	5450013	29	2	650W	175N
396356	5450036	34	0	650W	200N
396364	5450060	32	0	650W	225N
396373	5450083	33	0	650W	250N
396381	5450107	37	2	650W	275N
396389	5450130	36	0	650W	300N
396398	5450154	39	0	650W	325N
396406	5450177	41	2	650W	350N
396415	5450201	36	-2	650W	375N
396423	5450224	35	0	650W	400N
396065	5449079	22	0	600W	800S
396073	5449103	13	-2	600W	775S
396082	5449126	19	-2	600W	750S
396090	5449150	9	-6	600W	725S
396098	5449173	9	-8	600W	700S
396107	5449197	14	-8	600W	675S
396115	5449220	11	-6	600W	650S
396124	5449244	8	-4	600W	625S

UTMX	UTMY	IP	QD	LINE	STN
396132	5449267	5	-8	600W	600S
396141	5449291	8	-4	600W	575S
396149	5449314	8	-4	600W	550S
396158	5449338	16	-2	600W	525S
396166	5449361	13	-4	600W	500S
396174	5449385	19	-2	600W	475S
396183	5449408	10	-4	600W	450S
396191	5449432	14	-2	600W	425S
396200	5449455	10	-4	600W	400S
396208	5449479	5	-6	600W	375S
396217	5449502	7	-6	600W	350S
396225	5449526	0	-8	600W	325S
396234	5449549	1	-4	600W	300S
396242	5449573	-1	0	600W	275S
396251	5449596	-2	0	600W	250S
396259	5449620	4	-2	600W	225S
396267	5449643	5	-2	600W	200S
396276	5449667	5	-4	600W	175S
396284	5449690	1	-8	600W	150S
396293	5449714	-5	-12	600W	125S
396301	5449737	-7	-14	600W	100S
396310	5449761	1	-14	600W	75S
396318	5449784	10	-8	600W	50S
396327	5449808	15	-8	600W	25S
396335	5449831	16	-2	600W	0N
396343	5449855	28	2	600W	25N
396352	5449878	34	4	600W	50N
396360	5449902	33	4	600W	75N
396369	5449925	28	2	600W	100N
396377	5449949	27	2	600W	125N
396386	5449972	25	0	600W	150N
396394	5449996	22	-2	600W	175N
396403	5450019	26	-2	600W	200N
396411	5450043	26	-2	600W	225N
396420	5450066	32	-2	600W	250N
396428	5450090	33	-2	600W	275N
396436	5450113	31	-6	600W	300N
396445	5450137	35	-2	600W	325N
396453	5450160	34	-2	600W	350N
396462	5450184	34	-2	600W	375N
396470	5450207	37	-2	600W	400N
396112	5449062	22	-2	550W	800S
396120	5449086	30	4	550W	775S
396129	5449109	26	2	550W	750S
396137	5449133	24	-2	550W	725S
396145	5449156	13	-8	550W	700S
396154	5449180	14	-8	550W	675S
396162	5449203	12	-4	550W	650S
396171	5449227	16	-2	550W	625S
396179	5449250	10	-6	550W	600S

UTMX	UTMY	IP	QD	LI	
396188	5449274	13	-8	550W	575S
396196	5449297	11	-8	550W	550S
396205	5449321	22	-4	550W	525S
396213	5449344	16	-4	550W	500S
396221	5449368	18	-2	550W	475S
396230	5449391	20	-2	550W	450S
396238	5449415	17	-4	550W	425S
396247	5449438	8	-6	550W	400S
396255	5449462	11	-4	550W	375S
396264	5449485	9	-6	550W	350S
396272	5449509	5	-6	550W	325S
396281	5449532	6	-4	550W	300S
396289	5449556	5	0	550W	275S
396298	5449579	5	0	550W	250S
396306	5449603	0	0	550W	225S
396314	5449626	2	-4	550W	200S
396323	5449650	4	-6	550W	175S
396331	5449673	1	-8	550W	150S
396340	5449697	1	-10	550W	125S
396348	5449720	0	-14	550W	100S
396357	5449744	-4	-14	550W	75S
396365	5449767	5	-6	550W	50S
396374	5449791	8	-4	550W	25S
396159	5449045	19	0	500W	800S
396167	5449069	27	4	500W	775S
396176	5449092	25	2	500W	750S
396184	5449116	23	0	500W	725S
396192	5449139	17	-2	500W	700S
396201	5449163	17	0	500W	675S
396209	5449186	21	0	500W	650S
396218	5449210	11	-4	500W	625S
396226	5449233	11	-8	500W	600S
396235	5449257	17	-4	500W	575S
396243	5449280	14	-6	500W	550S
396252	5449304	22	-4	500W	525S
396260	5449327	18	-2	500W	500S
396268	5449351	11	-4	500W	475S
396277	5449374	10	-6	500W	450S
396285	5449398	3	-10	500W	425S
396294	5449421	3	-12	500W	400S
396302	5449445	7	-8	500W	375S
396311	5449468	8	-6	500W	350S
396319	5449492	7	-4	500W	325S
396328	5449515	12	2	500W	300S
396336	5449539	10	2	500W	275S
396345	5449562	12	2	500W	250S
396353	5449586	8	-2	500W	225S
396361	5449609	6	-4	500W	200S
396370	5449633	3	-8	500W	175S
396378	5449656	0	-10	500W	150S

VLF EM DATA EM-16 Seattle (24.8 kHz) Reading Direction: South

UTMX	UTMY	IP	QD	LINE	STN
396387	5449680	3	-8	500W	125S
396395	5449703	8	-8	500W	100S
396404	5449727	5	-8	500W	75S
396412	5449750	10	-8	500W	50S
396421	5449774	12	-4	500W	25S
396429	5449797	17	0	500W	0N
396437	5449821	26	2	500W	25N
396446	5449844	27	4	500W	50N
396454	5449868	37	8	500W	75N
396463	5449891	37	8	500W	100N
396471	5449915	40	6	500W	125N
396480	5449938	35	4	500W	150N
396488	5449962	35	2	500W	175N
396497	5449985	31	0	500W	200N
396505	5450009	35	2	500W	225N
396514	5450032	35	4	500W	250N
396522	5450056	40	6	500W	275N
396530	5450079	37	8	500W	300N
396539	5450103	37	8	500W	325N
396547	5450126	27	4	500W	350N
396556	5450150	26	2	500W	375N
396564	5450173	17	0	500W	400N
396206	5449029	17	0	450W	800S
396214	5449052	16	0	450W	775S
396223	5449076	13	0	450W	750S
396231	5449099	17	0	450W	725S
396239	5449123	27	4	450W	700S
396248	5449146	21	4	450W	675S
396256	5449170	19	-2	450W	650S
396265	5449193	16	-2	450W	625S
396273	5449217	17	-4	450W	600S
396282	5449240	12	-6	450W	575S
396290	5449264	9	-6	450W	550S
396299	5449287	10	-6	450W	525S
396307	5449311	12	-4	450W	500S
396315	5449334	10	-6	450W	475S
396324	5449358	7	-8	450W	450S
396332	5449381	6	-10	450W	425S
396341	5449405	-4	-16	450W	400S
396349	5449428	-13	-20	450W	375S
396358	5449452	-10	-20	450W	350S
396366	5449475	1	-8	450W	325S
396375	5449499	5	-2	450W	300S
396383	5449522	6	-2	450W	275S
396392	5449546	10	0	450W	250S
396400	5449569	7	-2	450W	225S
396408	5449593	10	-2	450W	200S
396417	5449616	-2	-12	450W	175S
396425	5449640	-1	-12	450W	150S
396434	5449663	-2	-10	450W	125S

UTMX	UTMY	IP	QD	LINE	STN
396442	5449687	4	-14	450W	100S
396451	5449710	1	-10	450W	75S
396459	5449734	4	-10	450W	50S
396468	5449757	8	-8	450W	25S
396253	5449012	19	2	400W	800S
396261	5449035	24	4	400W	775S
396270	5449059	11	0	400W	750S
396278	5449082	15	0	400W	725S
396286	5449106	16	-2	400W	700S
396295	5449129	15	2	400W	675S
396303	5449153	13	0	400W	650S
396312	5449176	11	-4	400W	625S
396320	5449200	14	-2	400W	600S
396329	5449223	13	-2	400W	575S
396337	5449247	11	-2	400W	550S
396346	5449270	12	-2	400W	525S
396354	5449294	10	-4	400W	500S
396362	5449317	3	-4	400W	475S
396371	5449341	6	-6	400W	450S
396379	5449364	3	-12	400W	425S
396388	5449388	-1	-8	400W	400S
396396	5449411	-2	-14	400W	375S
396405	5449435	-8	-16	400W	350S
396413	5449458	-9	-14	400W	325S
396422	5449482	-1	-8	400W	300S
396430	5449505	2	-4	400W	275S
396439	5449529	8	-4	400W	250S
396447	5449552	5	-4	400W	225S
396455	5449576	5	-2	400W	200S
396464	5449599	5	-4	400W	175S
396472	5449623	2	-4	400W	150S
396481	5449646	3	-4	400W	125S
396489	5449670	-1	-6	400W	100S
396498	5449693	-2	-10	400W	75S
396506	5449717	5	-8	400W	50S
396515	5449740	8	-8	400W	25S
396523	5449764	6	-10	400W	0N
396531	5449787	11	-8	400W	25N
396540	5449811	15	-2	400W	50N
396548	5449834	23	-2	400W	75N
396557	5449858	31	2	400W	100N
396565	5449881	40	2	400W	125N
396574	5449905	44	2	400W	150N
396582	5449928	42	4	400W	175N
396591	5449952	44	6	400W	200N
396599	5449975	49	6	400W	225N
396608	5449999	37	4	400W	250N
396616	5450022	34	2	400W	275N
396624	5450046	35	2	400W	300N
396633	5450069	28	-2	400W	325N

UTMX	UTMY	IP	QD	LI	
396641	5450093	28	-2	400W	350N
396650	5450116	27	-6	400W	375N
396658	5450140	22	-8	400W	400N
396347	5448978	16	6	300W	800S
396355	5449001	19	8	300W	775S
396364	5449025	18	6	300W	750S
396372	5449048	14	4	300W	725S
396380	5449072	13	2	300W	700S
396389	5449095	10	0	300W	675S
396397	5449119	14	2	300W	650S
396406	5449142	11	2	300W	625S
396414	5449166	10	2	300W	600S
396423	5449189	10	0	300W	575S
396431	5449213	6	-2	300W	550S
396440	5449236	-4	-2	300W	525S
396448	5449260	-8	-6	300W	500S
396456	5449283	-5	-8	300W	475S
396465	5449307	-13	-12	300W	450S
396473	5449330	-12	-10	300W	425S
396482	5449354	-6	-10	300W	400S
396490	5449377	-5	-8	300W	375S
396499	5449401	3	-2	300W	350S
396507	5449424	0	-2	300W	325S
396516	5449448	1	0	300W	300S
396524	5449471	-3	-2	300W	275S
396533	5449495	-2	-2	300W	250S
396541	5449518	-5	-6	300W	225S
396549	5449542	-2	0	300W	200S
396558	5449565	-6	0	300W	175S
396566	5449589	1	0	300W	150S
396575	5449612	0	-4	300W	125S
396583	5449636	4	-2	300W	100S
396592	5449659	13	-2	300W	75S
396600	5449683	18	0	300W	50S
396609	5449706	21	4	300W	25S
396617	5449730	21	2	300W	0N
396625	5449753	20	4	300W	25N
396634	5449777	20	0	300W	50N
396642	5449800	19	0	300W	75N
396651	5449824	23	0	300W	100N
396659	5449847	29	4	300W	125N
396668	5449871	31	4	300W	150N
396676	5449894	33	2	300W	175N
396685	5449918	39	4	300W	200N
396693	5449941	44	4	300W	225N
396702	5449965	46	4	300W	250N
396710	5449988	51	6	300W	275N
396718	5450012	45	2	300W	300N
396727	5450035	36	-2	300W	325N
396735	5450059	29	-2	300W	350N

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UTMX	UTMY	IP	QD	LINE	STN
396744	5450082	22	-6	300W	375N
396752	5450106	23	-8	300W	400N
396458	5448991	7	2	200W	750S
396466	5449015	12	2	200W	725S
396474	5449038	8	0	200W	700S
396483	5449062	10	-2	200W	675S
396491	5449085	9	0	200W	650S
396500	5449109	10	-2	200W	625S
396508	5449132	8	-4	200W	600S
396517	5449156	-1	-4	200W	575S
396525	5449179	4	-4	200W	550S
396534	5449203	5	-4	200W	525S
396542	5449226	-3	-6	200W	500S
396550	5449250	-10	-12	200W	475S
396559	5449273	-9	-10	200W	450S
396567	5449297	-10	-8	200W	425S
396576	5449320	-6	-10	200W	400S
396584	5449344	-9	-8	200W	375S
396593	5449367	-8	-6	200W	350S
396601	5449391	-8	-6	200W	325S
396610	5449414	-11	-4	200W	300S
396618	5449438	-8	-4	200W	275S
396627	5449461	-10	-4	200W	250S
396635	5449485	-7	-4	200W	225S
396643	5449508	-7	-2	200W	200S
396652	5449532	-2	2	200W	175S
396660	5449555	-2	2	200W	150S
396669	5449579	-3	2	200W	125S
396677	5449602	-5	-2	200W	100S
396686	5449626	-3	0	200W	75S
396694	5449649	1	4	200W	50S
396703	5449673	14	8	200W	25S
396711	5449696	14	8	200W	0N
396719	5449720	20	10	200W	25N
396728	5449743	20	6	200W	50N
396736	5449767	21	6	200W	75N
396745	5449790	26	8	200W	100N
396753	5449814	32	8	200W	125N
396762	5449837	35	8	200W	150N
396770	5449861	42	8	200W	175N
396779	5449884	42	8	200W	200N
396787	5449908	45	4	200W	225N
396796	5449931	80	6	200W	250N
396804	5449955	70	0	200W	275N
396812	5449978	52	-2	200W	300N
396821	5450002	36	-10	200W	325N
396829	5450025	22	-14	200W	350N
396838	5450049	16	-20	200W	375N
396846	5450072	19	-18	200W	400N

UTMX	UTMY	IP	QD	LINE	STN
396552	5448957	3	2	100W	750S
396560	5448981	7	0	100W	725S
396568	5449004	4	2	100W	700S
396577	5449028	5	4	100W	675S
396585	5449051	3	4	100W	650S
396594	5449075	3	4	100W	625S
396602	5449098	3	4	100W	600S
396611	5449122	1	4	100W	575S
396619	5449145	5	4	100W	550S
396628	5449169	8	4	100W	525S
396636	5449192	5	2	100W	500S
396644	5449216	4	2	100W	475S
396653	5449239	0	2	100W	450S
396661	5449263	-5	0	100W	425S
396670	5449286	-4	0	100W	400S
396678	5449310	-4	0	100W	375S
396687	5449333	-4	-2	100W	350S
396695	5449357	-3	0	100W	325S
396704	5449380	-3	-2	100W	300S
396712	5449404	-6	-2	100W	275S
396721	5449427	-11	-4	100W	250S
396729	5449451	-9	-4	100W	225S
396737	5449474	-8	-4	100W	200S
396746	5449498	-4	0	100W	175S
396754	5449521	-3	0	100W	150S
396763	5449545	-1	0	100W	125S
396771	5449568	1	2	100W	100S
396780	5449592	0	2	100W	75S
396788	5449615	3	4	100W	50S
396797	5449639	6	6	100W	25S
396805	5449662	14	10	100W	0N
396813	5449686	15	10	100W	25N
396822	5449709	18	8	100W	50N
396830	5449733	20	8	100W	75N
396839	5449756	18	4	100W	100N
396847	5449780	21	6	100W	125N
396856	5449803	24	4	100W	150N
396864	5449827	25	2	100W	175N
396873	5449850	27	-2	100W	200N
396881	5449874	27	-6	100W	225N
396890	5449897	44	-8	100W	250N
396898	5449921	46	-4	100W	275N
396906	5449944	24	-2	100W	300N
396915	5449968	25	-4	100W	325N
396923	5449991	23	-10	100W	350N
396932	5450015	14	-14	100W	375N
396940	5450038	11	-16	100W	400N
395687	5449799	5	8	250S	1200W
395698	5449795	10	12	250S	1188W
395710	5449791	12	10	250S	1175W

UTMX	UTMY	IP	QD	LI	
395722	5449786	10	6	250S	1163W
395734	5449782	15	8	250S	1150W
395745	5449778	23	8	250S	1138W
395757	5449774	24	8	250S	1125W
395769	5449769	25	30	250S	1113W
395703	5449846	17	2	200S	1200W
395715	5449842	21	6	200S	1188W
395727	5449838	18	8	200S	1175W
395739	5449833	22	10	200S	1163W
395750	5449829	27	10	200S	1150W
395762	5449825	30	12	200S	1138W
395774	5449821	29	12	200S	1125W
395786	5449816	50	20	200S	1113W
395720	5449893	16	8	150S	1200W
395732	5449889	12	6	150S	1188W
395744	5449885	15	8	150S	1175W
395756	5449880	18	8	150S	1163W
395767	5449876	22	10	150S	1150W
395779	5449872	24	12	150S	1138W
395791	5449868	29	14	150S	1125W
395803	5449863	50	28	150S	1113W
395814	5449859	-9999	-9999	150S	1100W
395826	5449855	4	-6	150S	1088W
395838	5449851	6	-4	150S	1075W
395850	5449847	9	-4	150S	1063W
395861	5449842	11	-2	150S	1050W
395873	5449838	8	-2	150S	1038W
395885	5449834	8	-2	150S	1025W
395897	5449830	12	-2	150S	1013W
395908	5449825	13	-2	150S	1000W
395920	5449821	10	-4	150S	988W
395932	5449817	12	-4	150S	975W
395944	5449813	8	-4	150S	963W
395955	5449809	13	-4	150S	950W
395967	5449804	14	-4	150S	938W
395979	5449800	9	-6	150S	925W
395991	5449796	15	-6	150S	913W
396002	5449792	25	-4	150S	900W
396014	5449787	11	-6	150S	888W
396026	5449783	11	-6	150S	875W
396038	5449779	12	-6	150S	863W
396049	5449775	10	-4	150S	850W
396061	5449771	14	-4	150S	838W
396073	5449766	12	-6	150S	825W
396085	5449762	16	-4	150S	813W
395737	5449940	12	8	100S	1200W
395749	5449936	3	6	100S	1188W
395761	5449932	6	6	100S	1175W

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UTMX	UTMY	IP	QD	LINE	STN
395772	5449927	8	6	100S	1163W
395784	5449923	11	8	100S	1150W
395796	5449919	16	12	100S	1138W
395808	5449915	12	16	100S	1125W
395819	5449910	40	34	100S	1113W
395831	5449906	-22	-30	100S	1100W
395843	5449902	-5	-18	100S	1088W
395855	5449898	1	-12	100S	1075W
395866	5449894	1	-10	100S	1063W
395878	5449889	4	-8	100S	1050W
395890	5449885	3		100S	1038W
395902	5449881	2	-6	100S	1025W
395913	5449877	1	-6	100S	1013W
395925	5449872	3	-6	100S	1000W
395937	5449868	7	-6	100S	988W
395949	5449864	4	-6	100S	975W
395960	5449860	4	-6	100S	963W
395972	5449856	8	-6	100S	950W
395984	5449851	7	-6	100S	938W
395996	5449847	4	-8	100S	925W
396007	5449843	5	-8	100S	913W
396019	5449839	14	-4	100S	900W
396031	5449834	11	-4	100S	888W
396043	5449830	9	-6	100S	875W
396054	5449826	17	-4	100S	863W
396066	5449822	17	-4	100S	850W
396078	5449818	17	-4	100S	838W
396090	5449813	17	-4	100S	825W
396101	5449809	18	-4	100S	813W
395848	5449953	-40	40	50S	1100W
395860	5449949	-12	-28	50S	1088W
395872	5449945	0	-16	50S	1075W
395883	5449941	1	-8	50S	1063W
395895	5449936	7	-8	50S	1050W
395907	5449932	11	-4	50S	1038W
395919	5449928	7	-6	50S	1025W
395930	5449924	10	-4	50S	1013W
395942	5449919	13	-2	50S	1000W
395954	5449915	13	-4	50S	988W
395966	5449911	15	-2	50S	975W
395977	5449907	13	-4	50S	963W
395989	5449903	15	-4	50S	950W
396001	5449898	15	-4	50S	938W
396013	5449894	18	-4	50S	925W
396024	5449890	10	-8	50S	913W
396036	5449886	14	-8	50S	900W
396048	5449881	14	-8	50S	888W
396060	5449877	13	-4	50S	875W
396071	5449873	21	-4	50S	863W
396083	5449869	24	-2	50S	850W

UTMX	UTMY	IP	QD	LINE	STN
396095	5449865	17	-4	50S	838W
396107	5449860	20	-4	50S	825W
396118	5449856	20	-4	50S	813W
395882	5450047	-12	-28	50N	1100W
395894	5450043	-5	-22	50N	1088W
395905	5450039	4	-12	50N	1075W
395917	5450035	5	-8	50N	1063W
395929	5450030	7	-8	50N	1050W
395941	5450026	9	-4	50N	1038W
395952	5450022	16	-2	50N	1025W
395964	5450018	18	0	50N	1013W
395976	5450013	15	0	50N	1000W
395988	5450009	18	0	50N	988W
395999	5450005	15	-2	50N	975W
396011	5450001	18	0	50N	963W
396023	5449997	20	0	50N	950W
396035	5449992	27	2	50N	938W
396046	5449988	26	-2	50N	925W
396058	5449984	24	0	50N	913W
396070	5449980	28	0	50N	900W
396082	5449975	20	-2	50N	888W
396093	5449971	20	-2	50N	875W
396105	5449967	19	-4	50N	863W
396117	5449963	16	-6	50N	850W
396129	5449959	15	-10	50N	838W
396140	5449954	17	-10	50N	825W
396152	5449950	22	-10	50N	813W
395899	5450094	-18	-40	100N	1100W
395911	5450090	-8	-32	100N	1088W
395922	5450086	2	-20	100N	1075W
395934	5450082	2	-16	100N	1063W
395946	5450077	7	-12	100N	1050W
395958	5450073	10	-8	100N	1038W
395969	5450069	13	-6	100N	1025W
395981	5450065	12	-6	100N	1013W
395993	5450060	18	0	100N	1000W
396005	5450056	19	0	100N	988W
396016	5450052	23	2	100N	975W
396028	5450048	26	8	100N	963W
396040	5450044	30	10	100N	950W
396052	5450039	-9999	-9999	100N	938W
396063	5450035	-12	-10	100N	925W
396075	5450031	-10	-10	100N	913W
396087	5450027	-5	-12	100N	900W
396099	5450022	3	-8	100N	888W
396110	5450018	7	-8	100N	875W
396122	5450014	4	-6	100N	863W
396134	5450010	13	-10	100N	850W
396146	5450006	12	-12	100N	838W

UTMX	UTMY	IP	QD	LI	
396157	5450001	13	-12	100N	825W
396169	5449997	10	-12	100N	813W
395916	5450141	5	-28	150N	1100W
395927	5450137	12	-14	150N	1088W
395939	5450133	6	-10	150N	1075W
395951	5450129	20	-6	150N	1063W
395963	5450124	18	-4	150N	1050W
395974	5450120	18	-2	150N	1038W
395986	5450116	15	-4	150N	1025W
395998	5450112	13	-6	150N	1013W
396010	5450107	14	-6	150N	1000W
396021	5450103	19	-4	150N	988W
396033	5450099	17	-2	150N	975W
396045	5450095	23	-2	150N	963W
396057	5450091	24	-2	150N	950W
396068	5450086	24	-2	150N	938W
396080	5450082	25	0	150N	925W
396092	5450078	30	0	150N	913W
396104	5450074	30	2	150N	900W
396115	5450069	28	0	150N	888W
396127	5450065	31	0	150N	875W
396139	5450061	35	2	150N	863W
396151	5450057	35	2	150N	850W
396162	5450053	37	2	150N	838W
396174	5450048	37	2	150N	825W
396186	5450044	38	0	150N	813W
395933	5450188	3	-24	200N	1100W
395944	5450184	7	-14	200N	1088W
395956	5450180	14	-10	200N	1075W
395968	5450176	18	-8	200N	1063W
395980	5450171	20	-6	200N	1050W
395991	5450167	15	-6	200N	1038W
396003	5450163	19	-4	200N	1025W
396015	5450159	21	-2	200N	1013W
396027	5450154	19	-2	200N	1000W
396038	5450150	18	-2	200N	988W
396050	5450146	22	-2	200N	975W
396062	5450142	28	0	200N	963W
396074	5450138	28	0	200N	950W
396085	5450133	26	-2	200N	938W
396097	5450129	27	0	200N	925W
396109	5450125	26	-2	200N	913W
396121	5450121	26	-2	200N	900W
396132	5450116	28	-2	200N	888W
396144	5450112	31	0	200N	875W
396156	5450108	33	2	200N	863W
396168	5450104	34	0	200N	850W
396179	5450100	36	0	200N	838W
396191	5450095	37	2	200N	825W

VLF EM DATA EM-16 Seattle (24.8 kHz) Reading Direction: South

UTMX	UTMY	IP	QD	LINE	STN	UTMX	UTMY	IP	QD	LINE	STN	UTMX	UTMY	IP	QD	LI
396203	5450091	41	2	200N	813W											
395950	5450235	7	-20	250N	1100W											
395961	5450231	11	-10	250N	1088W											
395973	5450227	20	-6	250N	1075W											
395985	5450223	17	-6	250N	1063W											
395997	5450218	18	-4	250N	1050W											
396008	5450214	25	-4	250N	1038W											
396020	5450210	22	-2	250N	1025W											
396032	5450206	24	-2	250N	1013W											
396044	5450201	23	-4	250N	1000W											
396055	5450197	21	-4	250N	988W											
396067	5450193	24	-4	250N	975W											
396079	5450189	22	-4	250N	963W											
396091	5450185	28	-2	250N	950W											
396102	5450180	28	-2	250N	938W											
396114	5450176	24	-4	250N	925W											
396126	5450172	30	0	250N	913W											
396138	5450168	29	-2	250N	900W											
396149	5450163	32	-2	250N	888W											
396161	5450159	37	-2	250N	875W											
396173	5450155	34	-2	250N	863W											
396185	5450151	35	-2	250N	850W											
396196	5450147	34	0	250N	838W											
396208	5450142	35	-2	250N	825W											
396220	5450138	38	0	250N	813W											
395966	5450282	1	-20	300N	1100W											
395978	5450278	2	-12	300N	1088W											
395990	5450274	14	-10	300N	1075W											
396002	5450270	14	-8	300N	1063W											
396013	5450265	18	-4	300N	1050W											
396025	5450261	18	-6	300N	1038W											
396037	5450257	18	-4	300N	1025W											
396049	5450253	26	-2	300N	1013W											
396060	5450248	21	-2	300N	1000W											
396072	5450244	19	-4	300N	988W											
396084	5450240	18	-4	300N	975W											
396096	5450236	23	-4	300N	963W											
396107	5450232	15	-8	300N	950W											
396119	5450227	23	-4	300N	938W											
396131	5450223	25	-4	300N	925W											
396143	5450219	22	-6	300N	913W											
396154	5450215	24	-4	300N	900W											
396166	5450210	22	-4	300N	888W											
396178	5450206	27	-6	300N	875W											
396190	5450202	29	-4	300N	863W											
396201	5450198	32	-4	300N	850W											
396213	5450194	30	-4	300N	838W											
396225	5450189	33	-2	300N	825W											
396237	5450185	33	-2	300N	813W											

APPENDIX G

PROGRAM EXPENDITURES

1) Consulting Fees: Geoquest Consulting Ltd., Vernon, B.C. W. Gruenwald, B. Sc.	$4,962.13
2) Field Work: John Kemp, Grand Forks, B.C.	8,730.89
3) Topographic Base Map Preparation: Eagle Mapping Services Ltd., Port Coquitlam, B.C.	4,619.73
4) Geophysical Data Compilation: JMT and Associates, N. Vancouver, B.C.	1,853.78
5) Petrographic Work: Vancouver Petrographics, Langley, B.C.	899.23
6) Analytical Costs: Eco Tech Laboratories, Kamloops, B.C.	8,981.88
7) Travel Costs: Geoquest Consulting Ltd., Vernon, B.C.	587.16
8) Room and Board:	465.21
9) Supplies/Materials:	950.17
10)Final Report Compilation:	4,398.75
TOTAL:	**$36,448.92**

APPENDIX H

REFERENCES

Church, B.N. (1981)	Geology of the Mount Attwood - Phoenix Area, Greenwood (82E/2) Paper 1985-1
Schroeter, T.G. (1987)	Brief Studies in Selected Gold Deposits in Southern British Columbia - Geological Field Work Paper 1987-1, Ministry of Energy, Mines and Petroleum Resources
Kim, H. (Jan, 1988)	Geological, Geochemical and Geophysical Exploration Report on the Pathfinder Claim Group for Ber Resources Ltd.
Fyles, J.T. (1990)	Geology of the Greenwood - Grand Forks Area, B.C. - Open File 1990-25, Ministry of Energy Mines and Petroleum Resources
Kim, H. (Jan, 1993)	Assessment Report for Pathfinder Claim Group for Niagara Developments
Miller, R.E. (Apr, 1995)	Assessment Report for Pathfinder Claim Group for Niagara Developments
Kemp, John (July, 1996)	Personal Communication
Nakade, George (Aug, 1996)	Personal Communication
Gruenwald, W. (July, 1996)	Summary Report on the Pathfinder Property for Cassidy Gold Corp.

APPENDIX I

CERTIFICATE

I, WERNER GRUENWALD, OF THE CITY OF VERNON, BRITISH COLUMBIA HEREBY CERTIFY THAT:

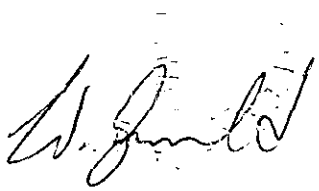
1. I am a graduate of the University of British Columbia with a B. Sc. degree in Geology (1972).

2. I am a fellow of the Geological Association of Canada (#F2958).

3. I am presently employed as a consulting geologist and president of Geoquest Consulting Ltd., Vernon, B.C.

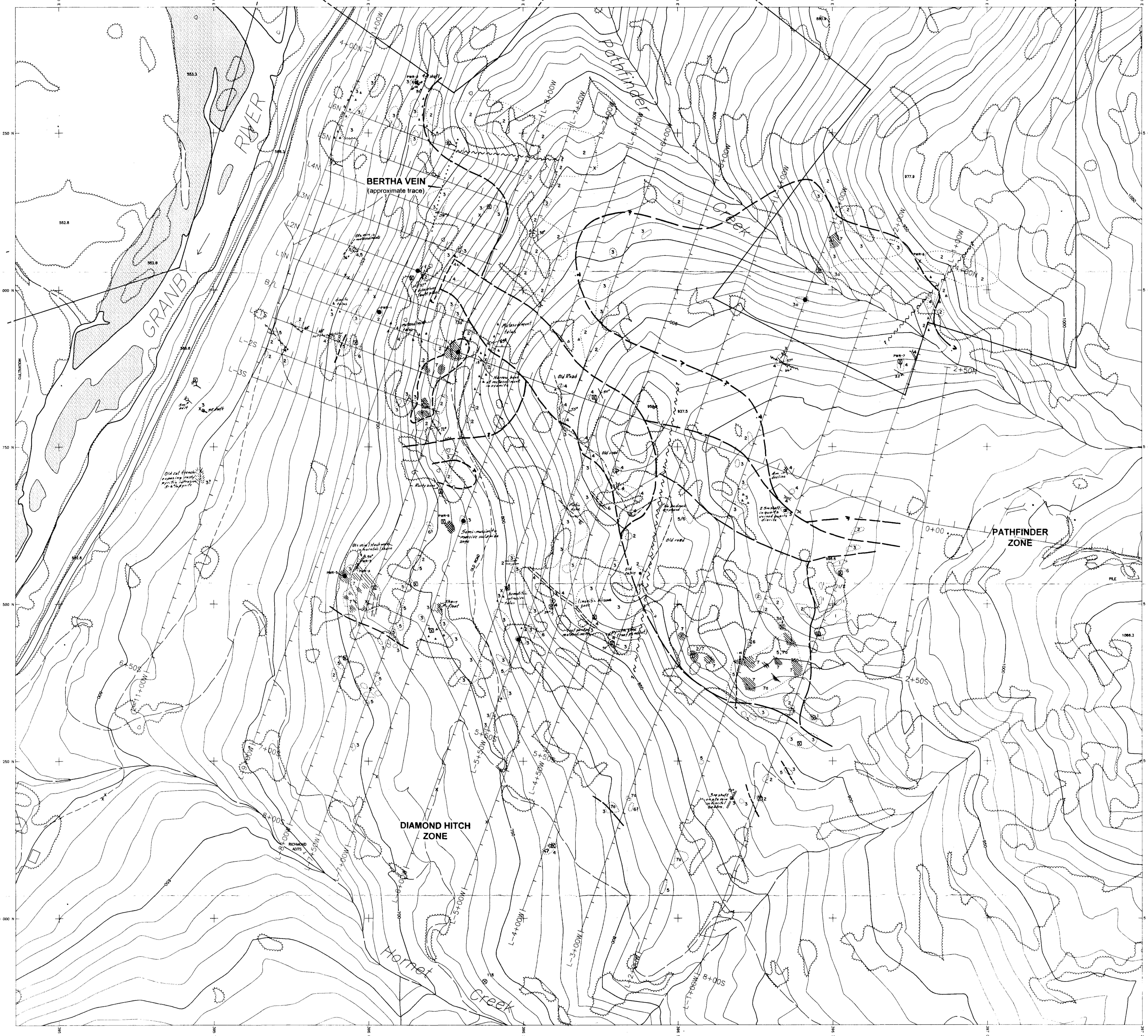
4. I have practiced continuously as a geologist for the past 25 years in Canada and the US.

5. All work on the Pathfinder property was conducted under my supervision.



W. Gruenwald, B. Sc., F.G.A.C.

Dated: March 10, 1997



LEGEND					
INDEX CONTOUR	240.5		BUILDING		
INTERMEDIATE CONTOUR			CULVERT		C
DEPRESSION CONTOUR			DITCH		D
STREAM / RIVER			FENCE		
INTERMITTENT STREAM			PAVED ROAD		
INDEFINITE STREAM			GRAVEL ROAD		
TREES			ROUGH ROAD		
SINGLE TREE			FOOTPATH		
BRUSH / SCRUB			GUARD RAIL		
SWAMP			UTILITY POLE		•
AREA OUTLINE			SPOT HEIGHT		164.9
SAND / GRAVEL					

PRODUCED FROM AERIAL PHOTOGRAPHY FLOWN: 1993
PHOTO SCALE: 1:15,000
CONTROL BY: TRIM
COMPILED BY: EAGLE MAPPING SERVICES LTD. (96-91)

CONTOUR INTERVAL 10 m
SCALE 1:2500

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,894

SYMBOLS

- Grid Line with station marker
- Trench
- Adit
- Shaft
- Open Cut
- Cabin
- x Rock sample location
- Rock description (Appendix A)
- ● Petrographic sample location
- Outcrop area
- ▲ ▲ Talus
- Geologic contact
- 40° Bedding attitude
- 70° Fault/shear
- 50° Vein

LITHOLOGY

1	FELDSPAR ±QUARTZ PORPHYRY: fine grained flows.
2	**CORYELL INTRUSIONS** (Tertiary) SYENITE: dykes, sills, intrusions, often porphyritic, pinkish to grey. Minor granodiorite, diorite.
3	**NELSON PLUTONIC ROCKS** (Jurassic to Cretaceous) DIORITE - QUARTZ DIORITE - GABBRO 3a - QUARTZ MONZONITE
4	**BROOKLYN FORMATION and/or KNOB HILL GROUP** (Triassic to Permian) METASEDIMENTS: bedded impure quartzites, argillites, calcareous equivalents and cherty rocks. Usually limonitic.
5	METAVOLCANICS: greenstones, amphibolites, metamorphosed tuffaceous rocks.
6	MAFIC PORPHYRY: green to black, generally fine grained volcanics/intrusives(?).
7	**SKARN ZONES** Irregular zones containing variable amounts of pyroxene, garnet, epidote, actinolite, calcite and disseminations of magnetite and pyrite. 7a: calc-silicate rocks (hornfels?).

CASSIDY GOLD CORP.

GEOLOGICAL PLAN

PATHFINDER PROPERTY

GREENWOOD MINING DIVISION, B.C.

Technical Work By: Geoquest Consulting Ltd.	**Scale:** 1:2,500 (0 25 50 m 100)
Date: February, 1997	**Figure No:** 5

BERTHA VEIN
(approximate trace)

DIAMOND HITCH ZONE

GRANBY RIVER

Pathfinder Creek

Hornet Creek

RICHMOND ADITS

PILE

LEGEND

INDEX CONTOUR	240.5	BUILDING	
INTERMEDIATE CONTOUR		CULVERT	
DEPRESSION CONTOUR		DITCH	
STREAM / RIVER		FENCE	
INTERMITTENT STREAM		PAVED ROAD	
INDEFINITE STREAM		GRAVEL ROAD	
TREES		ROUGH ROAD	
SINGLE TREE		FOOTPATH	
BRUSH / SCRUB		GUARD RAIL	
SWAMP		UTILITY POLE	
AREA OUTLINE		SPOT HEIGHT	184.9
SAND / GRAVEL			

PRODUCED FROM AERIAL PHOTOGRAPHY FLOWN: 1993
PHOTO SCALE: 1:15,000
CONTROL BY: TRIM
COMPILED BY: EAGLE MAPPING SERVICES LTD. (96-91)

CONTOUR INTERVAL 10 m
SCALE 1:2500

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,894

GEOCHEMICAL CATEGORIES

	<20	Background
◔	25-50	Weakly anomalous
◑	50-100	Moderately anomalous
●	>100	Definitely anomalous

LEGEND

- 175 — Grid line with station marker and soil geochemical value for gold in ppb
- Trench
- Adit
- Cabin
- 50 X — Rock sample location with geochemical value for gold in ppb

CASSIDY GOLD CORP.

GEOCHEMICAL PLAN (GOLD)

PATHFINDER PROPERTY

GREENWOOD MINING DIVISION, B.C.

Technical Work By: Geoquest Consulting Ltd	**Scale:** 1:2,500 (0 25 50m 100)
Date: February 1997	**Figure No:** 6

(M3)

BERTHA VEIN
(approximate trace)

DIAMOND HITCH ZONE

GRANBY RIVER

Pathfinder Creek

Hornet Creek

RICHMOND ADITS

CULTIVATION

PILE

LEGEND

INDEX CONTOUR	240.5	BUILDING	
INTERMEDIATE CONTOUR		CULVERT	
DEPRESSION CONTOUR		DITCH	
STREAM / RIVER		FENCE	
INTERMITTENT STREAM		PAVED ROAD	
INDEFINITE STREAM		GRAVEL ROAD	
TREES		ROUGH ROAD	
SINGLE TREE		FOOTPATH	
BRUSH / SCRUB		GUARD RAIL	
SWAMP		UTILITY POLE	
AREA OUTLINE		SPOT HEIGHT	164.9
SAND / GRAVEL			

PRODUCED FROM AERIAL PHOTOGRAPHY FLOWN: 1993
PHOTO SCALE: 1:15,000
CONTROL BY: TRIM
COMPILED BY: EAGLE MAPPING SERVICES LTD. (96-91)

CONTOUR INTERVAL 10 m
SCALE 1:2500

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,894

GEOCHEMICAL CATEGORIES

	<30	Background
◔	30-50	Weakly anomalous
◑	55-75	Moderately anomalous
●	>75	Definitely anomalous

LEGEND

- 70 — Grid line with station marker and soil geochemical value for arsenic in ppm
- Trench
- Adit
- Cabin
- X_{25} — Rock sample location with geochemical value for arsenic in ppm

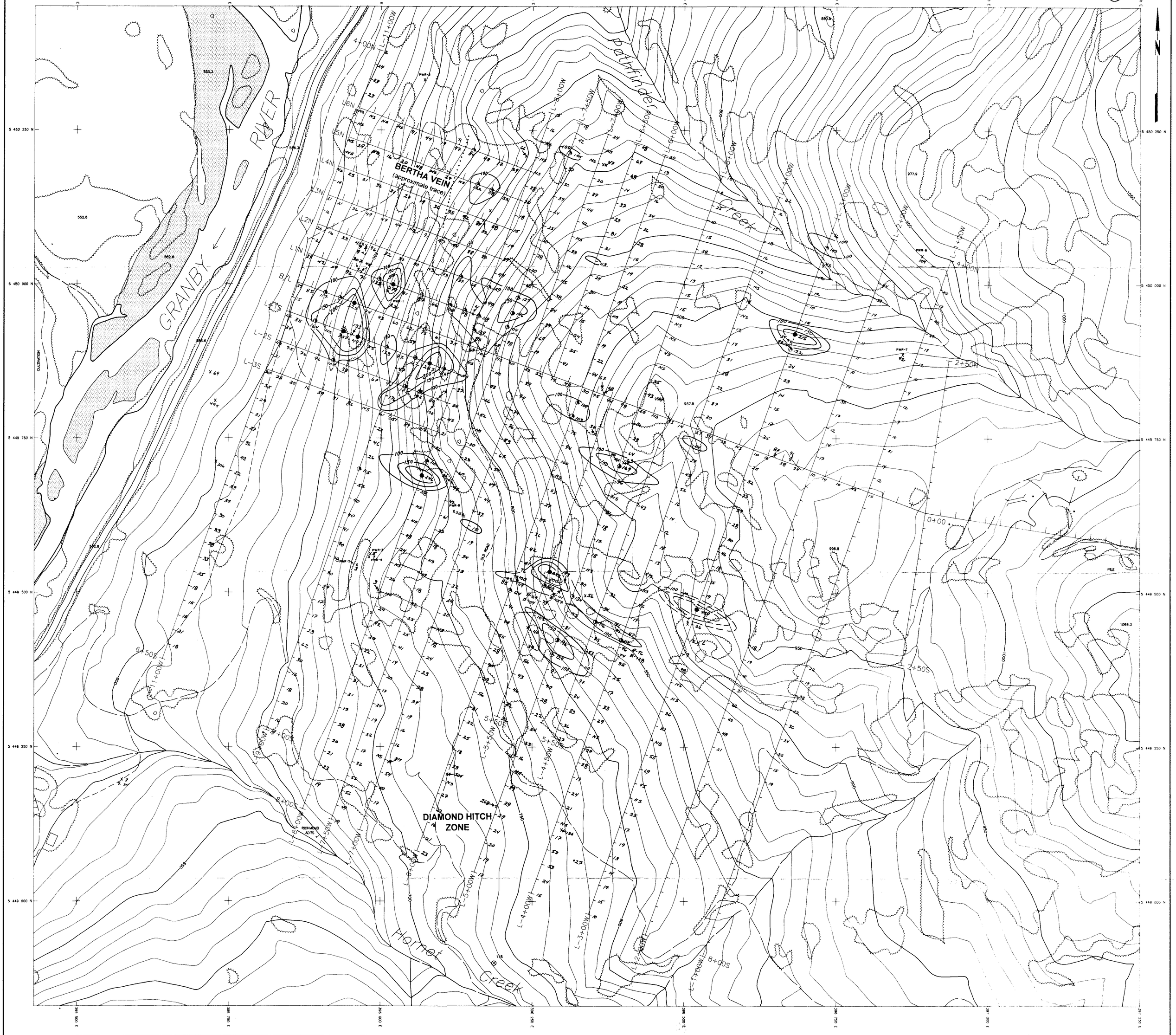
CASSIDY GOLD CORP.

GEOCHEMICAL PLAN (ARSENIC)

PATHFINDER PROPERTY

GREENWOOD MINING DIVISION, B.C.

Technical Work By: Geoquest Consulting Ltd	**Scale:** 1:2,500 (0, 25, 50 m, 100)
Date: February, 1997	**Figure No:** 7



LEGEND

INDEX CONTOUR	240.5	BUILDING	
INTERMEDIATE CONTOUR		CULVERT	
DEPRESSION CONTOUR		DITCH	
STREAM / RIVER		FENCE	
INTERMITTENT STREAM		PAVED ROAD	
INDEFINITE STREAM		GRAVEL ROAD	
TREES		ROUGH ROAD	
SINGLE TREE		FOOTPATH	
BRUSH / SCRUB		GUARD RAIL	
SWAMP		UTILITY POLE	
AREA OUTLINE		SPOT HEIGHT	184.9
SAND / GRAVEL			

PRODUCED FROM AERIAL PHOTOGRAPHY FLOWN: 1993
PHOTO SCALE: 1:15,000
CONTROL BY: TRIM
COMPILED BY: EAGLE MAPPING SERVICES LTD. (96-91)

CONTOUR INTERVAL 10 m
SCALE 1:2500

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,894

GEOCHEMICAL CATEGORIES

	<100	Background
◔	101-150	Weakly anomalous
◑	151-200	Moderately anomalous
●	>200	Definitely anomalous

LEGEND

- 225 — Grid line with station marker and soil geochemical value for copper in ppm
- Trench
- Adit
- Cabin
- x 136 — Rock sample location with geochemical value for copper in ppm

CASSIDY GOLD CORP.

GEOCHEMICAL PLAN (COPPER)

PATHFINDER PROPERTY

GREENWOOD MINING DIVISION, B.C.

Technical Work By: Geoquest Consulting Ltd.	Scale: 1:2,500 (0, 25, 50m, 100)
Date: February, 1997	Figure No: 8

MS

GRANBY RIVER

Pathfinder Creek

Hornet Creek

BERTHA VEIN
(approximate trace)

DIAMOND HITCH ZONE

RICHMOND ADITS

CULTIVATION

PILE

L-1+00W
L-1+50W
L-2+00W
L-2+50W
L-3+00W
L-3+50W
L-4+00W
L-4+50W
L-5+00W
L-5+50W
L-6+00W
L-6+50W
L-7+00W
L-7+50W
L-8+00W
L-8+50W

L1N L2N L3N L4N L5N L6N B/L L1S L2S L3S

0+00 2+00N 4+00N 6+00N 8+00N 2+50S 5+50S 8+00S

395 500 E | 395 750 E | 396 000 E | 396 250 E | 396 500 E | 396 750 E | 397 000 E | 397 250 E

5 450 250 N | 5 450 000 N | 5 449 750 N | 5 449 500 N | 5 449 250 N | 5 449 000 N

LEGEND

INDEX CONTOUR	240.5	BUILDING	
INTERMEDIATE CONTOUR		CULVERT	
DEPRESSION CONTOUR		DITCH	
STREAM / RIVER		FENCE	
INTERMITTENT STREAM		PAVED ROAD	
INDEFINITE STREAM		GRAVEL ROAD	
TREES		ROUGH ROAD	
SINGLE TREE		FOOTPATH	
BRUSH / SCRUB		GUARD RAIL	
SWAMP		UTILITY POLE	
AREA OUTLINE		SPOT HEIGHT	184.9
SAND / GRAVEL			

PRODUCED FROM AERIAL PHOTOGRAPHY FLOWN: 1993
PHOTO SCALE: 1:15,000
CONTROL BY: TRIM
COMPILED BY: EAGLE MAPPING SERVICES LTD. (96-91)

CONTOUR INTERVAL 10 m
SCALE 1:2500

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,894

GEOCHEMICAL CATEGORIES

	<100	Background
◔	101-150	Weakly anomalous
◑	151-200	Moderately anomalous
●	>200	Definitely anomalous

LEGEND

- 230 — Grid line with station marker and soil geochemical value for zinc in ppm
- Trench
- Adit
- Cabin
- 235 x — Rock sample location with geochemical value for zinc in ppm

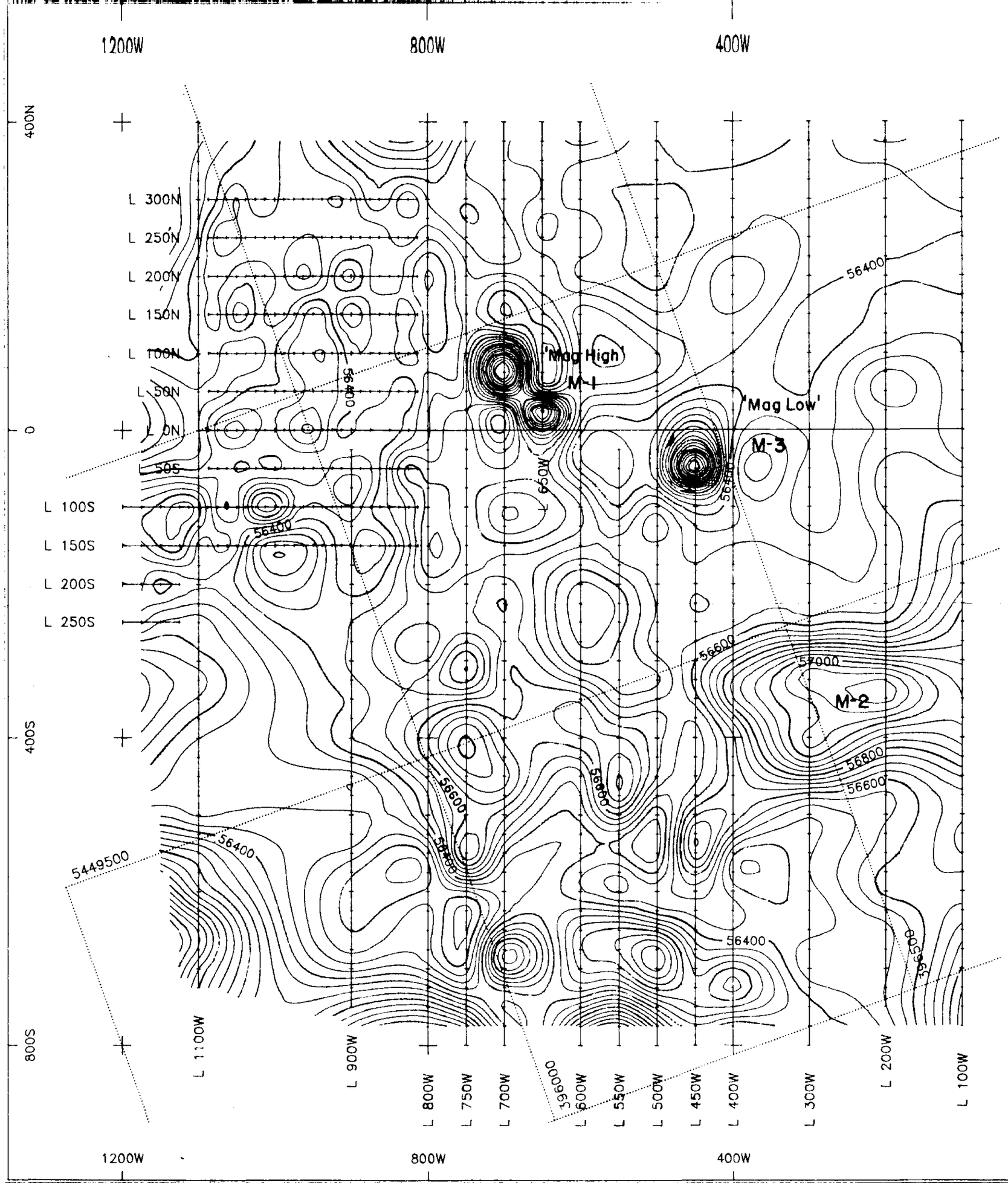
CASSIDY GOLD CORP.

GEOCHEMICAL PLAN (ZINC)

PATHFINDER PROPERTY

GREENWOOD MINING DIVISION, B.C.

Technical Work By: Geoquest Consulting Ltd	**Scale:** 1:2,500 (0 25 50 m 100)
Date: February, 1997	**Figure No:** 9



— 56800 — Magnetic Contour Interval = 50nT

N

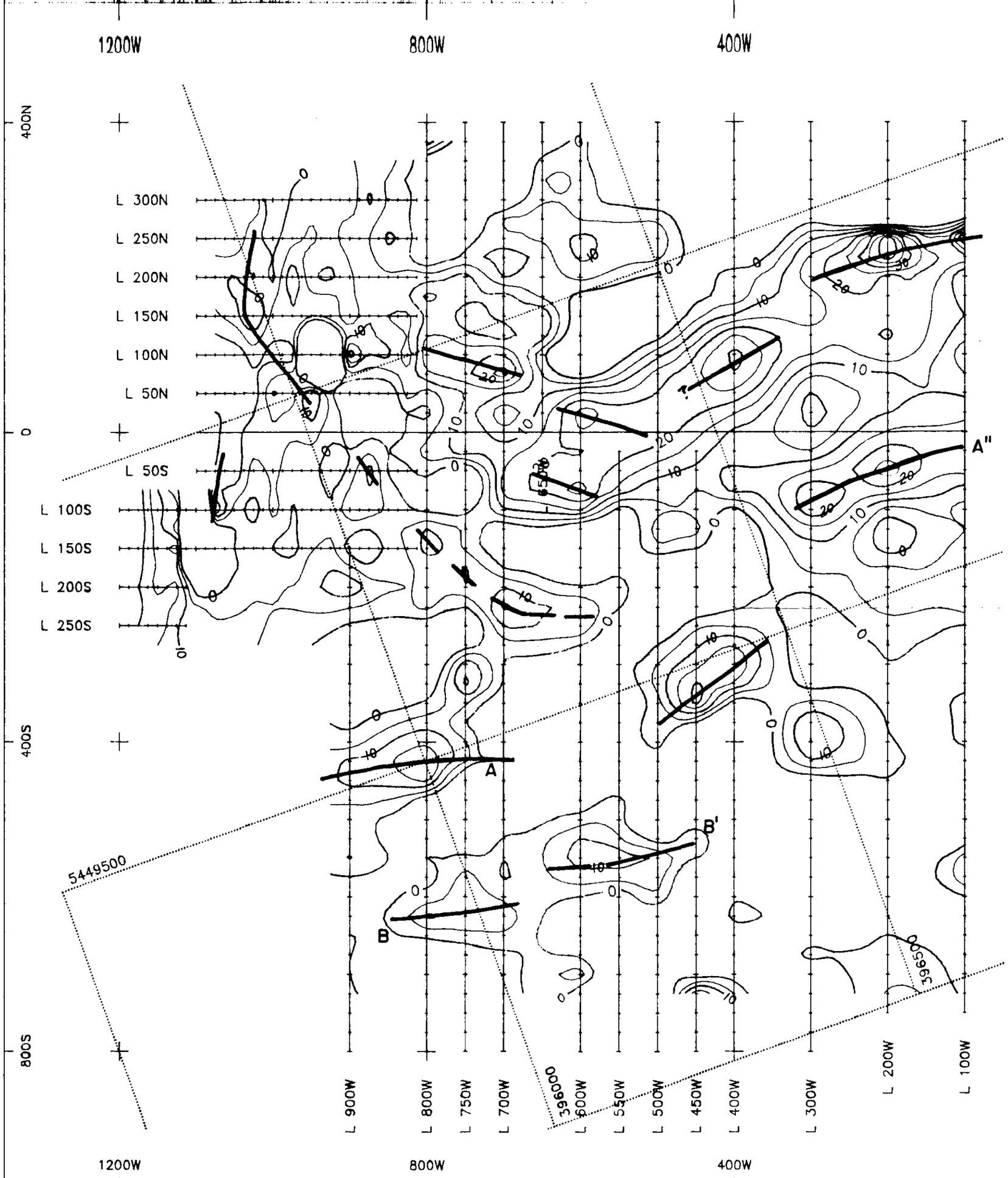
0 100 200 300 400
METERS

CASSIDY GOLD CORP.

PATHFINDER PROPERTY

NTS 82E/1W GREENWOOD MD
GROUND MAGNETOMETER SURVEY
MAGNETIC CONTOURS

Drawn by: jmt	Date: 97.01.28	Figure: 10
jmt & associates		



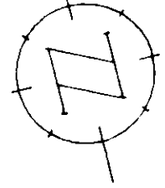
LEGEND

Equipment: Geonics EM-16 #25
Station: Seattle (24.8kHz)

Reading Direction: South

A — Conductor Axis

—10— Contour Interval = 5°



CASSIDY GOLD CORP.

PATHFINDER PROPERTY

NTS 82E/1W GREENWOOD MD
VLF-EM SURVEY (EM-16)
FRASER FILTER RESULTS

Drawn by: jmt | Date: 97.01.28

jmt & associates

Figure: 11