ARIS SUMMARY SHEET

District Geologist, Kamloops — Off Confidential: 90.03.23

ASSESSMENT REPORT 18706 — MINING DIVISION: Vernon

PROPERTY: Hilton
LOCATION: LAT 50 10 00 LONG 118 35 00
UTM 11 5558142 386918
NTS 082L02E
CLAIM(S): Carryon,Carryon Two,Snafu,Election 1,Coverup,Dutchman,Hilton,Heck Lana,Lil Joe
OPERATOR(S): Hanna Pacific Steel
AUTHOR(S): Yacoub, F.F.;Kidlark, R.G.
REPORT YEAR: 1989, 151 Pages
COMMODITIES SEARCHED FOR: Gold,Silver,Lead
KEYWORDS: Triassic,Jurassic,Nicola Group,Andesite,Shale,Argillite,Galena
WORK DONE: Geological,Geochemical,Geophysical,Physical
EMGR 30.0 km;VLF
Map(s) - 2; Scale(s) - 1:5000
GEOL 500.0 ha
Map(s) - 1; Scale(s) - 1:5000
LINE 35.0 km
MAGG 30.0 km
Map(s) - 2; Scale(s) - 1:5000
ROCK 100 sample(s) ;AU,ME
Map(s) - 1; Scale(s) - 1:100
SOIL 1054 sample(s) ;AU,ME
Map(s) - 8; Scale(s) - 1:5000
TREN 150.0 m 6 trench(es)
MINFILE: 082LSE034

GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL REPORT ON THE HILTON CLAIM GROUP

VERNON MINING DIVISION
BRITISH COLUMBIA

For

HANNA PACIFIC STEEL COMPANY LIMITED
1010 - 789 West Pender Street
Vancouver, B.C.
V6C 1H2

By

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February 28, 1989

R Kidlark

SUMMARY

The Hilton Claim Group consists of ten contiguous mineral claims totalling fifty-six units. The property is situated in the Vernon Mining Division approximately 50 kilometres east of the town of Vernon, B.C.

The claims lie within the Monashee Gold Camp which has been actively prospected for both placer and lode gold deposits since the late 1800's.

The property is underlain by volcanics, sediments and volcaniclastics of the Triassic to Jurassic Nicola Group. Locally the lithology has been subdivided into pelitic and andesite units.

Discontinuous quartz veins occur within shear zones and parallel to the regional fracture system. Gold mineralization is associated with shear zones and in quartz veins within shear zones.

Rock samples from the Cherry Shear Zone returned values up to 0.599 oz/ton gold, 1.05% lead and 2.22 oz/ton silver over a true width of 90 centimetres.

Rock samples from the Cherry Quartz Vein returned values up to 0.063 oz/ton gold and 0.9 ppm silver over a true width of 100 centimetres.

Rock samples from a quartz vein in the Hilton Shear Zone returned values up to 420 ppb gold and 0.7 ppm silver over a width of 40 centimetres. Samples from the quartz-free section returned values up to 770 ppb gold and 1.9 ppm silver over a true width of 100 centimetres.

The geochemical soil survey outlined a sixteen-point arsenic anomaly.

The geophysical survey located four VLF-EM conductors which are interpreted to be shear zones.

A Phase II program of diamond drilling, trenching, geological mapping, VLF-EM and magnetometer geophysics and soil sampling has been recommended. Approximate cost would be $260,000.

Contingent on the Phase II results, a Phase III program of detailed diamond drilling and trenching would be recommended.

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LIST OF FIGURES, PLATES, MAPS AND APPENDICES

1. INTRODUCTION

This report was prepared at the request of Hanna Pacific Steel Company Limited to describe and evaluate the results of geological-geochemical-geophysical surveys carried out by Ashworth Explorations Limited from December 1988 and February 1989 on the Hilton Claim Group, Vernon Mining Division, B.C. The report also describes the regional geology, past exploration activities in the area, previous work completed on the property and makes recommendations for further work.

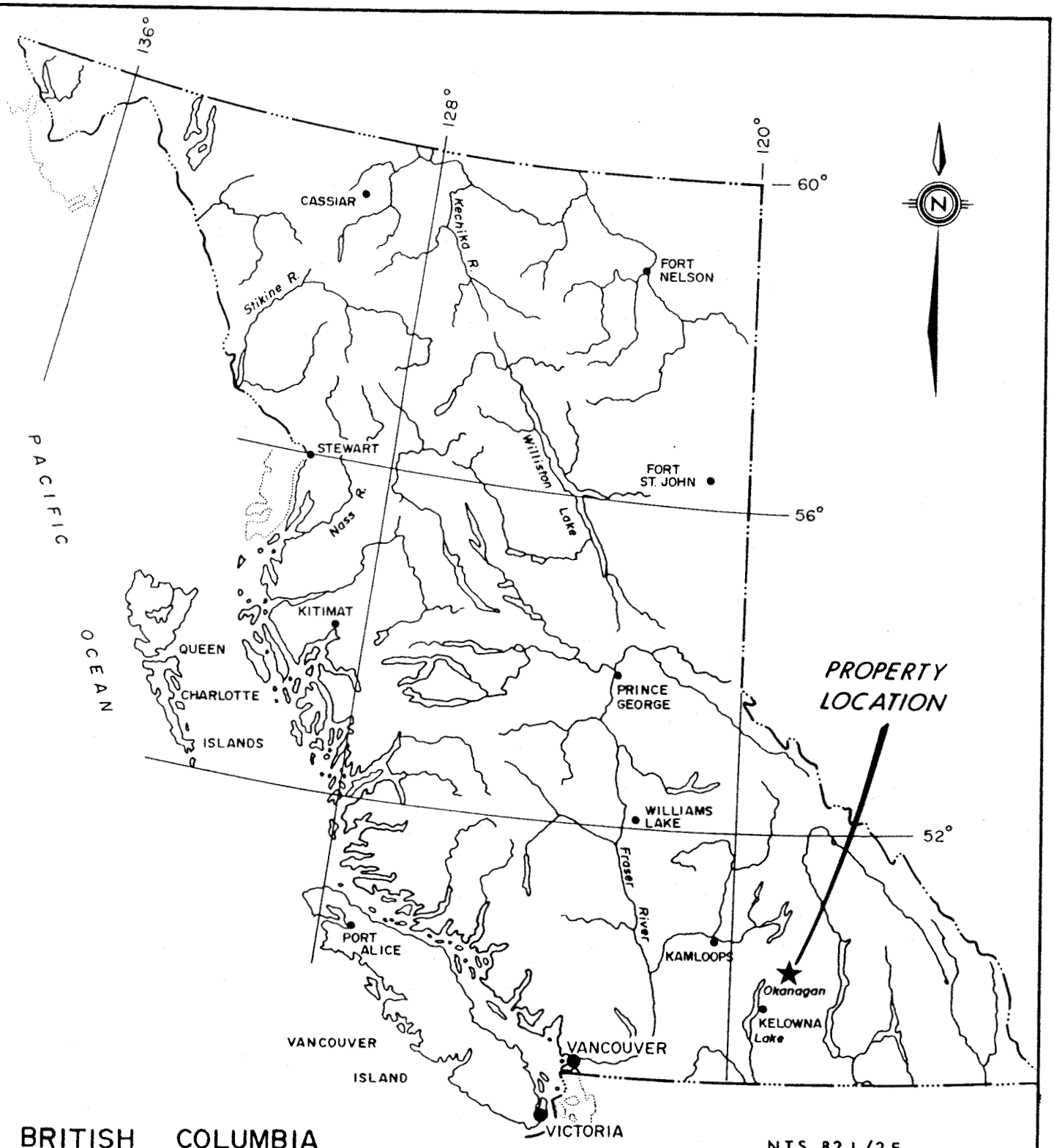
One of the authors, Mr. Roger Kidlark, planned and supervised all fieldwork, and was project geologist on the subject claims from February 8 to 19, 1989. The co-author, Mr. Fayz Yacoub (geologist), was present on the subject claims from December 19 to 23, 1988 and February 8 to 19, 1989.

2. LOCATION, ACCESS AND PHYSIOGRAPHY (Figure 1)

The Hilton Claim Group is located approximately 9.5 kilometres southeast of the village of Cherryville and 50 kilometres east-southeast of Vernon, B.C. The property lies within the Vernon Mining Division on NTS mapsheet 82L/2.

Access to the Hilton Claim Group is along Highway No. 6 which passes through the claims. Several secondary dirt roads lead from the highway to all parts of the claims.

Elevations range from 705 metres to 1303 metres giving a total relief of 597 metres. Slopes are generally gentle to moderate with the exception being the



BRITISH COLUMBIA

NTS 82 L/2E

R Hilland

0 100 200 300 km

HANNA PACIFIC STEEL COMPANY LTD.	
HILTON CLAIM GROUP VERNON M.D. GENERAL LOCATION MAP	
Scale 1:7500000	By : V. W.
Date : JANUARY 1989.	Figure 1
Ashworth Explorations Limited	

steep slopes in the southeast corner of the property. The property is covered by Douglas fir and birch trees.

3. PROPERTY STATUS (Figure 2)

The Hilton Claim Group consists of ten contiguous claims, including four 2-post and six 4-post mineral claims, in the Vernon Mining Division. The claims are owned by Donald A. Simon of North Vancouver, B.C., and optioned to Hanna Pacific Steel Company Limited. Pertinent claim data is as follows:

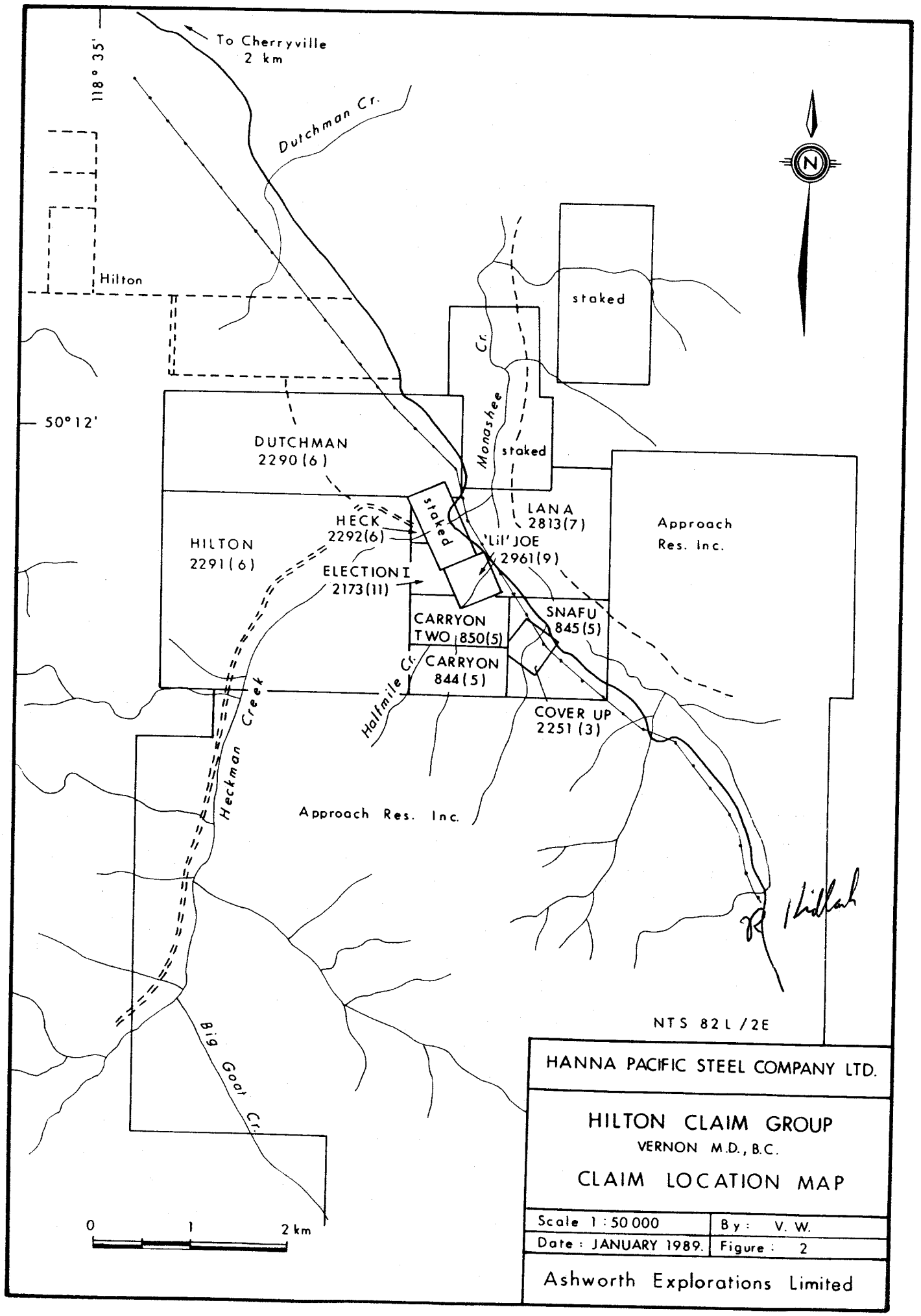
CLAIM NAME	# OF UNITS	RECORD #	RECORD DATE	EXPIRY DATE
Carryon	2	844	May 12/80	May 12/89
Snafu	4	845	May 12/80	May 12/89
Carryon Two	2	850	May 16/80	May 16/89
Election I	1	2173	Nov 13/86	Nov 13/89
Cover Up	1	2251	Mar 24/87	Mar 24/89
Dutchman	12	2290	Jun 24/87	Jun 24/89
Hilton	20	2291	Jun 24/87	Jun 24/89
Heck	1	2292	Jun 24/87	Jun 24/89
Lana	12	2813	Jul 7/88	Jul 7/89
'LIL' Joe	1	2961	Sep 8/88	Sep 8/89
TOTAL	56			

The total area, correcting for overlap, is approximately 1,137 hectares.

4. AREA HISTORY

The Monashee Gold Camp, which contains the Hilton Claim Group, has been actively prospected at various times for both placer and lode gold deposits. Placer gold production from Cherry Creek began in 1976 and nearby lode gold properties began development in the 1890's and have been worked at various intervals (B.C. Minister of Mines, Bulletin 20, 1944).

In 1890 the Morgan property was staked on top of Monashee Mountain, approximately five kilometres southeast of the southeast corner of the Hilton


To Cherryville
2 km
118° 35'
Dutchman Cr.
Hilton
staked
Cr.
Monashee
staked
50°12'
DUTCHMAN
2290(6)
HECK
2292(6)
staked
LANA
2813(7)
'Lil' JOE
2961(9)
Approach
Res. Inc.
HILTON
2291(6)
ELECTION I
2173(11)
CARRYON
TWO 850(5)
SNAFU
845(5)
CARRYON
844(5)
Halfmile Cr.
COVER UP
2251(3)
Heckman Creek
Approach Res. Inc.
Big Goat Cr.
0
1
2 km
N
NTS 82L/2E
HANNA PACIFIC STEEL COMPANY LTD.
HILTON CLAIM GROUP
VERNON M.D., B.C.
CLAIM LOCATION MAP
Scale 1:50 000
By: V. W.
Date: JANUARY 1989.
Figure: 2
Ashworth Explorations Limited

claim block. In 1916 the St. Paul mine showings were located about 600 metres north of the Morgan. A polymetallic ore with values in gold, silver, arsenic, antimony, copper, lead and zinc, was discovered. Total production to 1927 was 311 tons, including 136 ounces gold, 1,670 ounces silver, 3,495 pounds lead and 2,271 pounds zinc (B.C. Dept. of Mines, 1955). One sample of highgrade ore, taken in 1928, assayed 0.30 oz/ton gold, 190 oz/ton silver, 1.1% copper, 8% lead and 2% zinc (Minister of Mines Report, 1928).

In 1981, Brican Resources Ltd. acquired an option to purchase the St. Paul Mines property and staked the Monashee 1 to 8 claims. Between 1981 and 1983 Brican performed work programs which included geochemical soil and rock sampling, geological mapping, and magnetometer surveys. Anomalous gold and arsenic trends in both soils and rock were outlined in 1983 (Gilmour et al, 1983).

The Pita claims, located immediately south of the Hilton Claim Group, are owned by Mohawk Oil Co., and optioned to Approach Resources Inc. Three diamond drill holes were recently completed on the property to test a large altered zone which was both geophysically (I.P. survey) and geochemically anomalous (Vancouver Stockwatch, August 19, 1988). The eastern half of the property has undergone geological mapping and a geochemical survey (Vancouver Stockwatch, November 21, 1988).

Approximately seven kilometres southeast of the Hilton Claim Group are the four Monashee West Group crown grants (Lot Nos. 192, 193, 194 and 306). The crown grants were staked in 1886. Periodic work on the claims included underground development and the operation of a mill, with activity ceasing around 1940

(Schmidt et al, 1983). Total production between 1939 and 1940 totalled 2,418 tons, including 367 ounces gold, 1,637 ounces silver, 1,556 pounds lead and 418 pounds zinc (B.C. Dept. of Mines, 1955). The crown grants, plus 27 additional claims, were optioned to Nakusp Resources Limited in January 1983. That year, I.M. Watson & Associates Ltd. carried out geological mapping and geochemical soil sampling surveys. Gold anomalies in both rocks and soils were outlined with highest Au results of .726 oz/ton in rocks and 985 ppb in soils (Schmidt et al, 1983).

Immediately west of the Monashee West property and approximately six kilometres south of the Hilton property, Antelope Resources Limited is completing exploration work on seven crown grants comprising Mineral Lease No. M-37 (Rossland, Mascot, Evening Star, Number Four, Number Three, Number Two and Snowshoe crown grants). This group of claims was staked in 1886 along with the crown grants of the Monashee West Group property (Dawson, 1973). The Rossland, Mascot and Evening Star claims were known as the McPhail property between 1901 and 1907. Prior to 1923, considerable underground work was conducted on the claims and small volumes of ore were extracted (Antelope Resources Limited Prospectus, February 15, 1988).

El Paraiso Resources Limited's Top claims, located approximately nine kilometres south of the Hilton claims, include a strong shear zone which has yielded values in both gold and silver. In 1983 an eight hole diamond drilling program was completed to test the downdip extension of the surface showing. One interesting result was a 50 foot intersection in Hole 6 averaging 0.22 oz/ton gold, including a 15.5 foot section grading 0.56 oz/ton gold and 1.56 oz/ton silver (Vancouver

Stockwatch, June 2, 1988). Kerr Addison Mines Ltd. completed an eleven hole diamond drill program in 1984. This work revealed the gold and silver mineralization was strongest in mafic dyke swarms which cut the shear zone.

The property is currently under option to Venturex Resources Ltd. which completed a diamond drill program in 1988. Results released to date included an intersection, from 12.0 to 63.0 feet, of 51 feet grading 0.41 oz/ton gold which included 30.8 feet of 0.58 oz/ton gold (The Northern Miner, August 5, 1988).

Numerous additional showings are present in the general area of the Hilton Claim Group and are listed below:

Property	Type of Mineralization	Location
Unicorn	Pb mineralization in quartz veins	approx. seven kilometres northeast of Hilton Claim Group
Blue Grouse	Zn and Pb	approx. five kilometres north of Hilton Claim Group
Excelsior	Ag and Pb in quartz veins	approx. two kilometres northeast of Hilton Claim Group
Silver Bell & Silver Horde	Ag, Au and Pb in quartz veins	approx. seven kilometres east-northeast of Hilton Claim Group
Dona	Au, Ag, Pb and Cu in quartz veins	approx. nine kilometres southeast of Hilton Claim Group
Rose & KL	Au and Ag in quartz veins	approx. 14 kilometres southeast of Hilton Claim Group

(from Okulitch, 1979)

5. PROPERTY HISTORY

Three old showings occur on or near the Hilton Claim Group. These include the True Blue-Hidden Treasure showing, the Heckman Creek showing and the Old Joe showing. The True Blue-Hidden Treasure showing is located just north of the northern boundary of the Hilton Claim Group. It is a Ag-Cu-Pb-Zn showing in quartz veins and in 1905 a tunnel was dug for approximately 50 feet. A shipment of ore was made at that time but due to high shipping costs the venture was abandoned (B.C. Minister of Mines, 1905).

The Heckman Creek gold showing is located along Heckman Creek on the Hilton claim and is described as a placer occurrence (Minfile and Okulitch, 1979). No production information is available.

The Old Joe showing is described as a Au-Ag-Pb showing and is located on the 'LIL' Joe claim. Very little information is available on this particular showing (Minfile and Okulitch, 1979).

The original claims of the Hilton Claim Group were staked in 1980 and prospecting and geochemical work was performed by Mr. T. Archibald, prospector-owner, that same year. Two small grids were laid out on the Snafu and Carryon Two claims and a total of 130 soil samples were taken and analyzed for arsenic and mercury. Arsenic values were low on both grids. Mercury values on the Carryon Two grid gave four anomalies over 100 ppb with the highest 300 ppb. On the Snafu grid there were five mercury anomalies over 100 ppb with the highest 250 ppb (Leriche et al, 1987).

A bulldozed trench was cut on the Snafu claim in July 1983 to investigate a 1981 rock geochem anomaly of 1.23 oz/ton Au, 6.20 oz/ton Ag, 4.20% Pb and 1.86% Zn, obtained from a sample collected by T. Archibald. The highest samples from the trench were from a quartz vein mineralized with galena within a fault. Values from these samples were 4.610 oz/ton Au, 6.98 oz/ton Ag, and 0.403 oz/ton Au, 36.50 oz/ton Ag.

A geological survey carried on in November 1983 by geological consultant Robert Simpson confirmed the significant values from the bulldozed trench. Five rock samples were taken from the bulldozed trench and scree. All five were anomalous with the highest being 1.424 oz/ton Au, 11.66 oz/ton Ag and 5.25% Pb. A sixth sample was taken from a pyrrhotite-rich felsite dyke, 1.0 kilometres to the southwest. This sample yielded an anomalous gold value of 0.010 oz/ton.

A 1987 work program performed by Ashworth Explorations Limited consisted of geological prospecting and sampling, mapping and sampling the bulldozed trench, and tracing possible vein strike extensions from within the trench.

Results reconfirmed significant values in gold, silver and lead within the bulldozed trench (up to 2.203 oz/ton Au, 12.64 oz/ton Ag and 7.95% Pb) (Leriche et al, 1987). Anomalous values in gold, silver, lead and arsenic were encountered in outcrops up to 850 metres northwest of the bulldozed trench. No outcrop was found between the individual showings. Results also indicated that the wallrock carried anomalous values in precious metals (Leriche et al, 1987).

In August 1988, five rock samples were collected by Peter Leriche, geologist, to reconfirm the 1987 results from the bulldozed trench. Four of the five rock samples returned significant results and are described below:

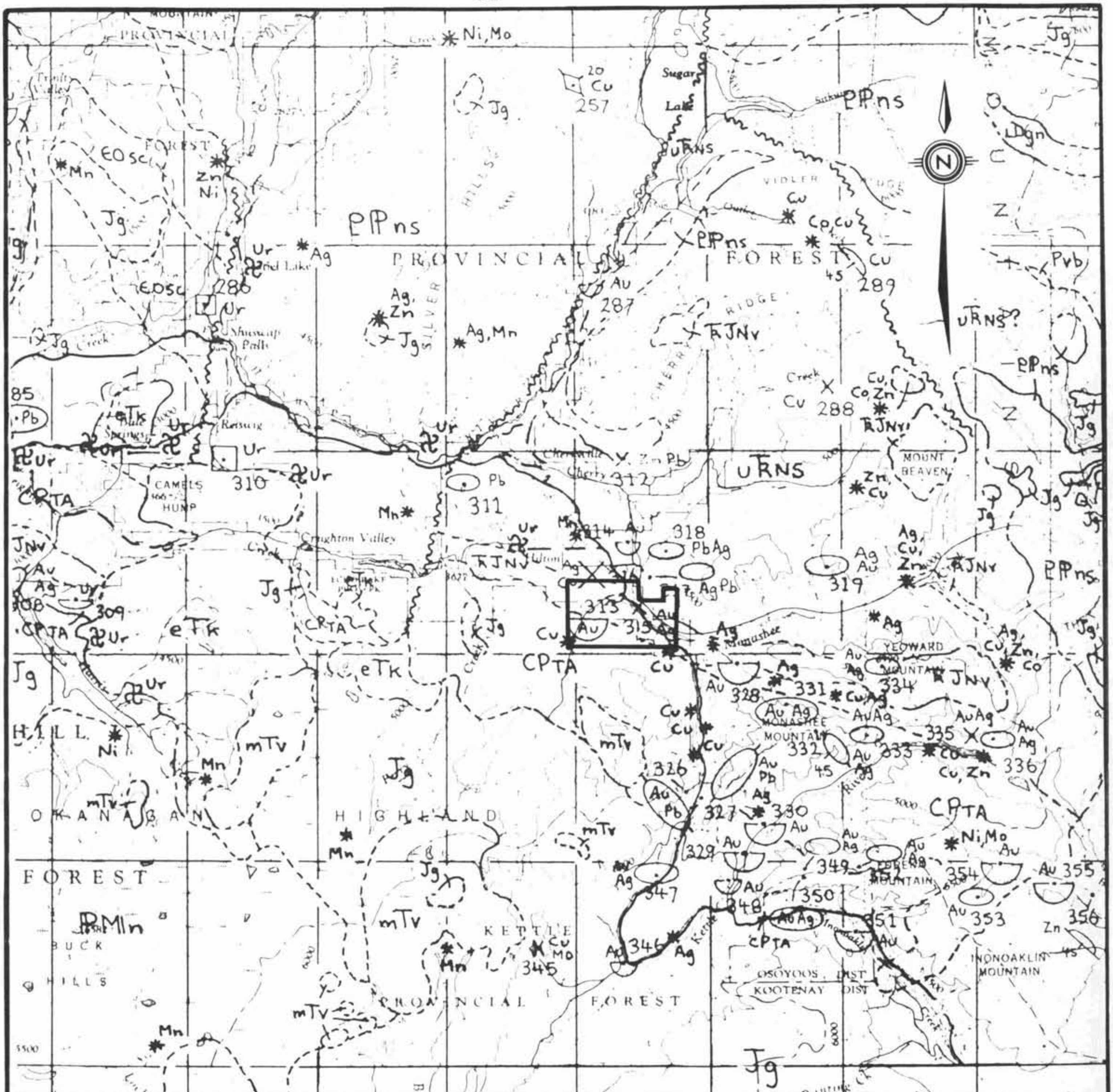
SAMPLE NO.	ASSAY RESULTS	DESCRIPTION
HR88-R1	2.053oz/ton Au 59.2ppm Ag 6,098ppm Pb 4,871ppm Zn	Rusty semi-massive galena rich vein 7 cm wide. From bulldozer trench.
HR88-R2	.117oz/ton Au >100ppm Ag 28,171ppm Pb (2.8% Pb) 4,407ppm Zn	Chip sample across 1.7 m, not including above vein (R1). From bulldozer trench.
HR88-R3	.446oz/ton Au	Chip sample across 30 cm quartz vein with blotches of galena. From bulldozer trench.
HR88-R5	1,006 ppm As	Select sample from quartz vein material from blasthole dump.

6. REGIONAL GEOLOGY (Figure 3)

The Hilton Claim Group lies in the Monashee Gold Camp, located in the Intermontane Belt near its eastern boundary with the Omineca Crystalline Belt.

The general trend of the Monashee area is characterized by a northwest-southeast belt of Paleozoic sedimentary/volcanic rocks. These rocks are overlain to the north by Triassic sediments and volcanics and to the south are intruded by Jurassic plutonic rocks.

The oldest unit is the Shuswap Metamorphic Complex which may be Archean in age and contains paragneiss, schist and orthogneiss, lesser amounts of quartzite, marble, amphibolite, calcareous metasediments and numerous small intrusions of



NTS 82L/2E

0 5 10 km

Geology from O.F. 637 G.S.C.

HANNA PACIFIC STEEL COMPANY LTD.

HILTON CLAIM GROUP

VERNON M.D., B.C.

REGIONAL GEOLOGY MAP

Scale 1:250 000	By: V.W.
Date: JANUARY 1989.	Figure 3

Ashworth Explorations Limited

LEGEND - REGIONAL GEOLOGY

PHANEROZOIC
CENOZOIC
TERTIARY
Miocene and/or Pliocene

mTv — Plateau Lava

Eocene and (?) Oligocene

eTK — Kamloops Group

MESOZOIC
JURASSIC

Jg — Granitic Rocks

TRIASSIC AND JURASSIC

TR JNV — Nicola Group

UPPER TRIASSIC

uTRNS — Nicola and Slocan Groups

PALEOZOIC AND MESOZOIC

PMn — Okanagan Plutonic and Mesozoic Complex

PALEOZOIC
CARBONIFEROUS AND PERMIAN

CPTA — Thompson Assemblage

PROTEROZOIC AND PALEOZOIC (May Include ARCHEAN)

PtPms — Shuswap Metamorphic Complex

——--- Geological Boundaries (approximate, assumed)

FAULTS

Thrust Faults (approximate, assumed; teeth on hanging wall)

High Angle Faults (approximate, assumed)

MINERAL OCCURRENCES

• 001 Location and Number

leucocratic granitic rocks of various ages. This extensive unit lies in the northern portion of the Monashee region. The rocks of this Complex have undergone several episodes of deformation, metamorphism and intrusion.

The Thompson Assemblage, of Carboniferous to Permian age, includes argillaceous sediments, volcaniclastic rocks, limestone, conglomerate, breccia, greenstone and tuffs. The individual members are interdigitated on a relatively fine scale and have yielded fossils of Late Mississippian, Pennsylvanian and Permian ages. This unit cuts across the southwest corner of the Hilton claim block.

To the north the Thompson Assemblage is unconformably overlain by rocks of the Upper Triassic Slocan Group and the Upper Triassic-Lower Jurassic Nicola Group of volcano-sedimentary rocks. The Slocan Group contains argillaceous limestone, shale, minor conglomerate, calcareous pelite, greenstone and andalusite-, staurolite- and kyanite-bearing schists. According to the regional map, the Slocan Group cuts across the northwestern portion of the Hilton Claim Group. The Nicola Group, which cuts across the central portion of the Hilton Claim Group, contains andesite and basalt flow rocks, porphyritic augite andesite, breccia, tuffs, minor argillite, limestone and sericitic schist.

To the south the Thompson Assemblage rocks have been intruded by granitic rocks of the Late Jurassic Valhalla Complex. The emplacement of these intrusive rocks is believed to be responsible for the relatively low grade metamorphism and deformation of the older volcanic and sedimentary rocks. The composition of the intrusives is generally granodiorite but has been observed to vary widely (Nelles, 1986).

Eocene/Oligocene(?) Kamloops Group sedimentary and volcanic rocks are exposed west of the Hilton Claim Group and unconformably overlie the older sedimentary, volcanic and metamorphosed rock units of the region.

The youngest rock in the Monashee area is Miocene/Pliocene(?) plateau basaltic lavas. These basalts occur south and southwest of the subject property as relatively small outliers.

A major fault follows the eastern margin of the Shuswap Metamorphic Complex north of the Hilton Claim Group, extends south-southwest, and is truncated by Kamloops Group rocks and the Jurassic granitic pluton, approximately seven kilometres west of the Hilton claim. A second fault, possibly a splay off the first, extends southeast through Slocan Group rocks north of the property.

The general trend in the region surrounding the Hilton Claim Group is northwest-southeast (almost west-east). This is exhibited both structurally and lithologically (as noted earlier for the Thompson Assemblage). Early and late folds, foliation and linear structures in the Thompson Assemblage follow this trend. The Thompson Assemblage rocks have been metamorphosed to sub-greenschist facies coeval with Jurassic-Cretaceous orogenic events (Okulitch, 1979).

Within the Takla Assemblage rocks (including the Nicola and Slocan Groups) minor folds, cleavage and foliation are well developed (Okulitch, 1979).

7. 1988 AND 1989 PROGRAM

7.1 SCOPE AND PURPOSE

From December 13, 1988 to February 19, 1989, two geologists and five geotechnicians carried out geological mapping, soil sampling, geophysics and trenching. The purpose of this program was:

a) to cover the property with detailed geochemical, geological and geophysical surveys in order to define targets for follow-up exploration work,

b) to evaluate and extend the known showings, and

c) to find and systematically sample sulphide mineralization on the property.

7.2 METHODS AND PROCEDURES

Utilizing compass and hipchain, a slope-corrected flagged grid was laid out over the claim area. Line intervals were at 100 metres and stations were marked at 50 metre spacings.

Over the area of the main showing the grid was tightened to 50 metre line intervals with 25 metre station spacings. A total of 35 line kilometres were surveyed.

Geological mapping was carried out on the grid lines at a scale of 1:10,000.

A backhoe was used to reopen the main trench, the second showing and four additional trenches. At the end of the program all trenches, except for the main trench, were refilled, fertilized and reseeded.

A total of 100 rocks were collected on the property and analyzed for gold and multi-element ICP by Vangeochem Lab Ltd.

Using a grub hoe, soil samples were collected from the B horizon at all grid stations. Sample depth averaged 30 centimetres and a total of 1,054 samples were collected and analyzed for gold and multi-element ICP by Vangeochem Lab ltd.

A VLF-EM and magnetometer geophysical survey was carried out over the grid area. Readings were taken at all stations and a total of 31 line kilometres were surveyed.

An E.D.A. Omni Plus system (ser. # 38) was used to simultaneously measure total field magnetics data and VLF-EM data from Seattle (24.8 KHz) and Annapolis (21.4 KHz) transmitters. Parameters measured were total magnetic field strength, and VLF-EM field strength, in-phase dip angle and quadrature (see Appendix H for Equipment Specifications).

The VLF-EM in-phase and quadrature results were corrected to have the operator facing south. There were no other adjustments made to the VLF-EM data. Total field magnetic data were corrected for diurnal variation by the internal programming of the Omni IV base station. The Omni IV program interpolates a base station reading corresponding to the time of each field reading and corrects the field reading to a set datum value.

8. RESULTS

8.1 PROPERTY GEOLOGY (Map 1)

Outcrop is exposed over approximately seven percent of the claim area and is limited to steeper slopes and stream valleys. Due to time restraints and heavy snowfall, the western half of the property was not mapped.

The mapped portion of the property is underlain by the Triassic to Jurassic Nicola Group of volcanics, volcanoclastics and sediments.

The author has subdivided the rocks into a pelitic sedimentary unit and an andesitic volcanic unit.

Pelitic Sediments (Unit 2)

These rocks consist of interbedded black to gray-coloured shales and sandy shales with minor amounts of graywacke and argillite. Disseminated pyrite is a common constituent and averages one to two percent. Bedding is well developed, ranging from thin laminae to 30 centimetres in width.

At the northwest corner of the grid area, the unit has been subdivided into a 2b unit which consists of a black, very fine-grained, pyriferous and well bedded argillite.

Andesite (Unit 1)

The major rock type is a light to dark green coloured, very fine-grained and equigranular to slightly porphyritic andesite. Minor bands of tuff and dacite

were noted but not mapped separately. Generally the rocks are fresh and only minor chloritic alteration was noted.

In places the unit has been altered to a well foliated chloritic phyllite which was probably due to metamorphism on a regional scale.

The Nicola group of rocks is intruded by lamprophyre dykes (Unit A). The dykes are fine-grained, greenish-brown in colour, porphyritic and weather a dark brown colour. Biotite content averages around five percent and pyrite is present in trace amounts.

Structure

Generally the bedding in the sediments strikes in a northwesterly direction and dips from 36 to 83 degrees to the south. The foliation in the volcanic rocks strike and dip parallel to the bedding.

Folding

There are at least four different styles of folding on the property. On the largest scale is an inferred antiform which trends northwesterly along the northwestern corner of the grid area.

On a smaller scale, open folds on a scale of metres were noted at the southern end of TMS1. The folds (F2) have hinge lines that trend at 15 degrees and are accompanied by parasitic and discontinuous (F3) S-folds with axial planes striking 260 degrees and dipping 56 degrees north.

Tight (F4) rootless S-shaped drag folds were noted in TMS1.

8.2 TRENCHING

Backhoe trenches were cut with bulldozer assistance in the area of the Main and the Second Showings.

8.2.1 Main Showing

Four trenches were cut in this area (Figure 4). Trench TMS1 was named the Bulldozer Trench Showing in the 1987 report by P. Leriche and F. Yacoub.

TMS1

A cross-section of this trench is presented on Map 2 and significant sections are presented on Plates 1 to 4.

Most of the trench consists of the sedimentary unit. Intruded into the sediments are two lamprophyre dykes. One vertical dyke occurs near the centre of the trench, while the other dyke occurs at the northwest end of the trench. The sediments are strongly folded and deformed near the dyke contacts. The vertical dyke is offset towards the bottom of the trench.

Within the trench, quartz occurs as small pods in the sediments and as discontinuous veins within two shear zones.

Chip samples from the quartz pods within the sediments returned no significant values.

The Cherry Shear Zone is the most prominent structural feature and is situated

near the centre of the trench. The Hilton Shear Zone is located at the northwestern corner of the trench.

a) Cherry Shear Zone (Plates 1 and 2)

The width of the zone ranges from 2.4 metres to 90 centimetres and averages around 1.2 metres. The sediments within the shear are badly sheared and tight S-shaped drag folds occur near the upper part of the zone.

A discontinuous quartz vein termed the Cherry Vein is situated near the centre of the zone. The upper Cherry Vein (Plate 2) averages 20 centimetres in width and is drag folded along with the sediments, indicating post vein deformation along the shear zone.

The lower Cherry Vein (Plate 1) ranges from one metre to 30 centimetres in width, averages around 70 centimetres and is exposed over a six metre length.

The following continuous chip samples were collected from the Cherry Shear Zone:

SAMPLE NO.	LOCATION	WIDTH (cm)	VALUES
CH89-R64	Lower Cherry	70	.033 oz/t Au, 1.4 ppm Ag, 18 ppm Pb, 219 ppm Zn, 1,095 ppm As.
CH89-R65	Shear Zone above Lower Cherry Vein	60	65 ppb Au, 1.3 ppm Ag, 21 ppm Pb, 148 ppm Zn, 116 ppm As.
CH89-R67	Lower Cherry Vein	100	.063 oz/t Au, 0.9 ppm Ag, 22 ppm Pb, 186 ppm Zn, 217 ppm As.
CH89-R68	Shear Zone above Lower Cherry Vein	70	100 ppb Au, 6.0 ppm Ag, 206 ppm Pb, 20,000 ppm Zn(2.06% Zn), 195 ppm As, 979.6 ppm Cd.

CH89-R69	Shear Zone below Lower Cherry Vein	70	60 ppb Au, 1.5 ppm Ag, 27 ppm Pb, 472 ppm Zn, 414 ppm As.
CH89-R70	Shear Zone below Upper Cherry Vein	100	.114 oz/t Au, 4.2 ppm Ag, 536 ppm Pb, 487 ppm Zn, 154 ppm As.
CH89-R71	Upper Cherry Vein	20	85 ppb Au, 0.4 ppm Ag, 55 ppm Pb, 213 ppm Zn, 33 ppm As.
CH89-R72	Shear Zone-Upper Cherry Vein	60	55 ppb Au, 1.2 ppm Ag, 34 ppm Pb, 196 ppm Zn, 188 ppm As.
CH89-R73	Shear Zone-Upper Cherry Vein	60	150 ppb Au, 1.3 ppm Ag, 121 ppm Pb, 316 ppm Zn, 136 ppm As.
CH89-R74	Shear Zone-Upper Cherry Vein	90	0.599 oz/t Au, 750 ppm Ag(2.22 oz/t Ag), 9,774 ppm Pb(1.05% Pb), 6,198 ppm Zn(.67% Zn), 207 ppm As, 264 ppm Cd.

b) Hilton Shear Zone (Plates 3 and 4)

The Hilton Shear Zone is partially exposed and is at least two metres wide. A number of discontinuous quartz pods occur within this zone. At the lower exposure the zone is in contact with a lamprophyre dyke (Plate 3). Rock sampling returned the following results:

SAMPLE NO.	LOCATION	DIMENSIONS	VALUES
CH89-R76	Quartz lens near bottom of trench at dyke contact.	70 cm X 30 cm	.771 oz/st Au, 750 ppm Ag (2.13 oz/st Ag), 14,326 ppm Pb (1.11% Pb), 3,111 ppm Zn, 973 ppm As.
CH89-R77	Shear Zone just below dyke.	60 cm width	410 ppb Au, 4.5 ppm Ag, 304 ppm Pb, 174 ppm Zn, 285 ppm As.
CH89-R78	Quartz vein at NW end of trench.	40 cm width	420 ppb Au, 0.7 ppm Ag, 87 ppm Pb, 201 ppm Zn, 479 ppm As.

CH89-R79	Shear Zone above R78 location.	100 cm width	770 ppb Au, 1.9 ppm Ag, 148 ppm Pb, 193 ppm Zn, 1,124 ppm As.

TMS2, TMS3, TMS4 (Figure 4)

The geology in the trenches consists of sediments. A lamprophyre dyke was located near the south end of TMS4. It strikes in a northwesterly direction and dips 62 degrees to the south. Continuous chip samples over two metre lengths were collected along TMS2 and TMS3. No significant values were returned.

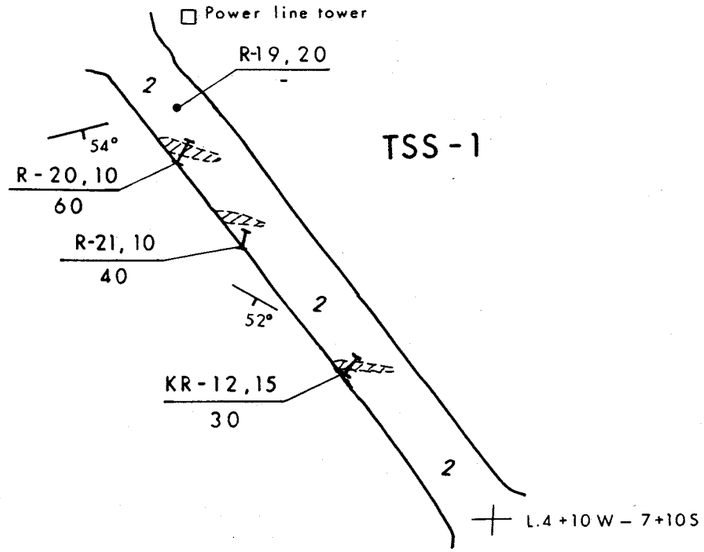
The Hilton and Cherry Shear Zones were not encountered in TMS2, TMS3 or TMS4, possibly due to folding or crossfaulting within the host rocks. TMS2, TMS3 and TMS4 may have been trenched too far north to intersect the shear zones.

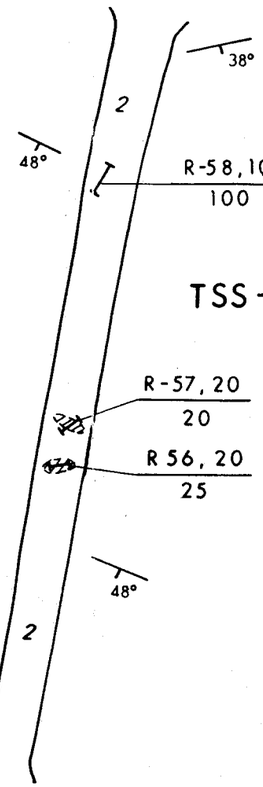
8.2.2 Second Showing

The second showing was reopened (TSS1), and an additional trench (TSS2) was cut (Figure 5).

Trench TSS1 was named the Number 1 showing in the 1987 report by P. Leriche and F. Yacoub.

Small lenses of quartz occur within shales and argillites. The lenses range up to 1.5 metres in length and 0.5 metres in width. The sediments are unaltered, strike northwesterly and dip 48 to 54 degrees to the south.





LEGEND

- R 58, 10 / 100 — Rock sample location, number, Au/ppb; Sample width in cm
- 48° — Attitude of bedding
- Quartz lens
- 2 — Black to grey shale, greywacke and argillite

0 5 10 m

R Kidlark

HANNA PACIFIC STEEL COMPANY LTD.

HILTON CLAIM GROUP
VERNON M.D., B.C.
TRENCH MAP
SECOND SHOWING

Scale 1: 200	By: F. Y.
Date: FEBRUARY 1989.	Figure: 5

Ashworth Explorations Limited

Rock chip samples were collected from all quartz lenses and no significant values were returned.

8.3 GEOCHEMICAL SOIL SURVEY

Utilizing a grub hoe, 1,054 soil samples were collected on the grid area. Most samples were taken at a 30 centimetre depth from a well developed B horizon. Overburden depth on the grid area ranged from 30 centimetres to greater than 5.0 metres.

All data was sent to Tony Clark Consulting Services for statistical analysis. For interpretation purposes, correlation coefficients were calculated and frequency distribution histograms were plotted for gold, silver, arsenic, lead and zinc.

8.3.1 Gold in Soils (Maps 3 and 7)

Range:	Not detected to 635 ppb
Mean:	12 ppb
Standard Deviation:	20.84 ppb
Background:	0 - 20 ppb
Anomalous Threshold:	40 ppb

Significant values occur in the vicinity of TMS1 which is centred at L0+50W 8+70S. Since the anomalies are multi-element, other elements are also presented in the following table:

LOCATION	ANOMALOUS VALUES				
	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)
L0+50W 8+60S	40	1.3			290
L0+50W 8+75S	110	4.3	94	277	130
L0+50W 8+80S	45	1.8			93
L0+50W 8+85S	45	1.8		265	568
L0+50W 9+00S	635	10.3	435	1,658	635

The correlation between gold, silver and arsenic is moderately strong.

8.3.2 Silver in Soils (Maps 4 and 8)

Range:	0.1 ppm to 10.3 ppm
Mean:	0.44 ppm
Standard Deviation:	0.53 ppm
Background:	0.1 to 1.4 ppm
Anomalous Threshold:	2.0 ppm

As well as the silver anomalies associated with TMS1, the following anomalies were located:

LOCATION	Silver Value (ppm)
L0+50W 1+00S	2.2
L0+50W 1+50S	2.1
L1+50W 0+50S	2.0
L2+00W 6+00S	4.3
L8+00W 0+50S	2.4
L9+50W 3+00S	2.2
L5+50W 5+50N	2.4

All are one point anomalies and there are no other corresponding element anomalies.

8.3.3 Zinc in Soils (Maps 6 and 10)

Range:	27 to 3519 ppm
Mean:	146 ppm
Standard Deviation:	129.48 ppm
Background:	27 to 200 ppm
Anomalous Threshold:	400 ppm

In addition to the anomalous values associated with TMS1, the following samples are above threshold:

LOCATION	Zinc Value (ppm)	
L0+00W 4+50N	451	(a two point anomaly at the
L0+00W 5+00N	739	end of the line)
L2+00W 3+50S	3519	(a two point anomaly)
L2+00W 4+00S	474	
L3+00W 4+50N	508	
L10+00W 1+00S	443	
L12+00W 0+50S	419	
L18+00W 10+00N	919	(a two point anomaly at the
L19+00W 10+00N	465	end of the line)
L20+00W 8+00N	443	

There are no corresponding multi-element anomalies.

8.3.4 Arsenic in Soils (Maps 5 and 9)

Range:	Not detected to 635 ppm
Mean:	24.7 ppm
Standard Deviation:	42.15 ppm
Background:	0 - 80 ppm
Anomalous Threshold:	100 ppm

In addition to the arsenic anomaly associated with TMS1 the following anomalies were located:

<u>One Point Anomalies</u>

LOCATION	Arsenic Value (ppm)
L1+00W 4+25S	103
L2+00W 1+00N	102
L6+00W 1+75S	358
L8+00W 3+50S	107
L10+00W 1+00S	136
L15+00W 4+50S	113
L16+00W 5+50N	106
L16+00W 3+00S	157
L19+00W 5+00S	104
L20+00W 10+00N	115

A sixteen point anomaly with arsenic values ranging from 106 to 506 ppm trends in a northwesterly direction in the area of, and topographically above, TSS1. The anomaly extends in length from L3+00W to L6+00W and is approximately 50 metres in width. This anomaly is also on strike with the main showing.

8.3.5 Discussion of Geochemical Results

Rock sampling in the main showing has indicated a very strong correlation between gold values and arsenic values.

Soil sampling in the area of the main showing has also indicated a strong correlation between gold values and arsenic values.

Since arsenic is more mobile in soils than gold, arsenic is concluded to be a good pathfinder for gold mineralization on the property. Hence the widespread and high order arsenic anomaly in the area of the second showing is considered to be significicant.

8.4 VLF-EM AND MAGNETOMETER SURVEYS

Two northwest-trending gaps in data are present in each of the four geophysical maps. These represent the two powerlines where geophysical data was not collected due to strong interference.

8.4.1 VLF Electromagnetic Survey (Figures 11 and 12)

Four interpreted VLF-EM conductors occur on the property. All four systems trend east-west.

Conductor system A (A1 and A2) is a dual subparallel conductor, trending east-west for 800 to 900 metres. A1 extends from L14+00W 1+00S to L6+00W 3+50S and A2 extends from L14+00W 3+75S to L4+00W 5+25S. Both conductors appear to be offset approximately 50 metres after they cross the west powerline and Half Mile Creek. In-phase response is medium to strong and shows a strong correlation with weak to strong field strength. A reverse quadrature response is weak to medium when present. The system remains open to the west.

Conductor B trends at 90 degrees from L8+00W 9+35S to L5+50W 9+00S (250 metres in length). A 50 metre offset occurs between lines 7+00W and 6+50W. It exhibits medium in-phase response, weak reverse quadrature and weak to moderate field strength.

Conductor C trends east-west from L5+00W 1+75N to L0+00 3+25N for a length of 525 metres. The conductor is broken at Line 3+00W where the data has been affected by noise. The in-phase and field strength responses are weak to medium, growing stronger to the west.

Conductor D trends at 65 degrees from L10+00W 7+00S to L7+00W 5+50S for an overall length of 350 metres. The in-phase response is weak to medium, quadrature is non-existent to weak, and field strength is weak.

8.4.2 Magnetometer Survey (Figures 13 and 14)

The magnetic environment is quiet, with data ranging from 57,200 to 57,800 gammas. The background level is approximately 57,400 gammas. Two significiant east-west magnetic trends are interpreted.

The first linear trend (M1) extends from L14+00W 3+50S to L5+00W 3+50S. The trend is interrupted at Line 10+00W, at the intersection of Half Mile Creek and Line 7+00W (west powerline). Values along the trend are 100 to 200 gammas above background. It remains open to the west.

The second linear magnetic anomaly (M2) is at the south end of the grid from L8+00W to L5+50W (250 metres length). Values range up to 57,800 gammas or 400 gammas above background.

8.4.3 Geophysical Interpretation

Dual conductor A is likely structural (two parallel faults) in nature. Strong crossovers at points 8+00W 4+62S, 8+00W 1+87S, 7+00W 2+00S, 6+00W 3+62S could represent metallic (sulphide) mineralization. Conductor system A is flanked to the south by the magnetic anomaly M1. This linear magnetic high could reflect a change in lithology, such as a mafic dyke. Lamprophyre dykes trending east-west occur on the Hilton property and are associated with mineralized shear zones, as seen at the Main Trench.

Conductor B is also interpreted as a structural shear zone. Again, it is flanked to the south by magnetic anomaly M2. This system appears to trend towards the Main Trench. Noisy data and powerline interference prohibit any definite

conclusions regarding a continuous shear zone between the Main Trench and Conductor B.

Conductors C and D are probably shear zones. These should be checked by geological mapping and blast trenching.

8.5 DISCUSSION OF RESULTS

VLF-EM conductors, significant geochemical soil anomalies and rock sampling turned up the following areas of interest:

Area 1

Rock sampling and mapping of the Main Zone (TMS1) turned up two mineralized shear zones. The Cherry Shear Zone contains a discontinuous quartz vein which returned values up to 0.063 oz/st gold and 0.9 ppm silver over a true width of 100 centimetres. Samples from the quartz-free shear zone returned values up to 0.599 oz/st gold, 1.05% lead and 2.22 oz/st silver over a true width of 90 centimetres.

The Hilton Shear Zone contains discontinuous quartz veins which returned values up to 420 ppb gold and 0.7 ppm silver over a true width of 40 centimetres. A select grab samples from one quartz lens having dimensions of 70 centimetres X 30 centimetres returned a value of 0.771 oz/st gold. Samples from the quartz-free shear zone returned values up to 770 ppb gold and 1.9 ppm silver over a true width of one metre.

Soil samples collected near TMS1 were anomalous in gold (up to 635 ppb), silver, arsenic, lead and zinc.

Both of these mineralized shear zones are open along strike and down dip.

Area 2

A sixteen point arsenic anomaly with values ranging from 106 to 506 ppm is situated in the vicinity of the Second Showing. This anomaly remains to be explained.

Area 3

VLF-EM conductor A and magnetic anomaly M1 have been interpreted to represent the presence of a possible mineralized shear zone flanked by a mafic dyke.

Area 4

VLF-EM conductor B and magnetic anomaly M2 may represent an extension of the Cherry and Hilton Shear Zones to the west.

Area 5

VLF-EM conductor C has been interpreted as a shear zone.

Area 6

VLF-EM conductor D has been interpreted as a shear zone.

9. CONCLUSIONS

The authors believe that the Hilton Claim Group has good potential for hosting an economic gold deposit for the following reasons:

1) Geological mapping and rock sampling returned potential economic gold values from the Cherry and Hilton Shear Zones over significant widths. Diamond drill targets have been established.

2) Five additional areas of interest have been outlined from mapping, soil sampling and VLF-EM geophysical surveys.

For these reasons, further exploration work is warranted and recommended.

10. RECOMMENDATIONS

Phase II

Phase II is designed to test the Cherry and Hilton Shear Zones along strike and down dip by diamond drilling, to follow-up anomalies from Areas 1 to 6 by trenching, and to evaluate the unexplored parts of the property.

1) Diamond drill in a fence pattern to test the Cherry and Hilton Shear Zones at depth. Total diamond drilling would amount to 1,350 metres (4,100 feet).

2) Bulldoze and backhoe trench in the area of the arsenic anomalies and/or over the four VLF-EM conductors.

3) Diamond drill the arsenic anomalies and select VLF-EM conductors if trenching outlines favourable targets.

4) Extend the existing grid westward to cover the entire property.

5) Soil sample the extended grid.

6) Perform a VLF-EM and magnetometer survey to cover the extended grid.

7) Geologically map and prospect the unmapped area of the property.

Phase III

Phase III would be contingent upon favourable results from Phase II and would consist of more detailed diamond drilling and trenching.

11. PROPOSED BUDGET

Phase II (1988 dollars)

(Project Geologist, Field Geologist; 29 field days
& Field Geologist, Party Chief, 3 Geotechnicians; 6 field days)

Project Preparation			$ 2,000
Mob/Demob (includes transportation, freight and wages)			6,000
Field Crew			24,480
Field Costs	[including Food and Accommodation, Communications, Freight, Supplies, 1 4X4 Truck for 29 days, 1 4X4 Truck for 6 days]		15,365
Contractors			
Geophysics	$360/km x 30 km		10,800
Diamond Drilling	$100/m x 1,350 m(all inclusive)		135,000
Bulldozer/Backhoe	$120/hr x 40 hrs		4,800
Lab Analysis			
Say 600 soil samples @ $14/sample		$ 8,400	
Say 300 rock samples @ $18/sample		5,400	13,800
Reclamation and Permits			3,000
Supervision and Report			12,425
Sub-total			$ 227,670
Administration 15%			34,151
Total			$ 261,821
		(Say	$ 260,000)

Respectfully submitted,

R Kidlark

Roger G. Kidlark, B.Sc., F.G.A.C.

F. Yacoub

Fayz F. Yacoub, B.Sc.

Dated February 28, 1989

LIST OF PERSONNEL

The following personnel were employed during the 1988/89 Field Program on the Hilton Claim Group.

Roger G. Kidlark	Project Geologist
Fayz F. Yacoub	Geologist
Brian A. Chore	Geophysical Operator
Robert Paeseler	Geotechnician & Party Chief
Vince G. Warwick	Geotechnician
Andrew Molnar	Geotechnician
Carl Gjendum	Geotechnician

REFERENCES

Antelope Resources Limited Prospectus, February 15, 1988.

Archibald, T., 1980. A Prospecting Report on the Midnight Nails 1 and 2 Claims, Vernon Mining Division, Assessment Report 8,770.

Archibald, T., 1980. A Prospecting Report on the Carryon Claim Group, Vernon Mining Division, Assessment Report 8,993, May 1980.

Archibald, T., 1986. A Very Low Frequency Survey on the Snafu, Carryon, Carryon Two Claim Group, Vernon Mining Division, Assessment Report 14,825, May 8, 1986.

B.C. Minister of Mines Report, 1898.
1899.
1901.
1905.
1913.
1914.
1928.

B.C. Minister of Mines, Bulletin 20, 1944.

Callaghan, B., 1986. Report on the Trenching and Geological Mapping Conducted on the Pita 16 Mineral Claim, Vernon Mining Division, for Mohawk Oil Co. Ltd., Assessment Report 14,451, January 1986.

Clendenan, A.D., 1984. Diamond Drilling Assessment Report on the Top Property (Top & Bottom Claims), McIntyre Lake, Vernon Mining Division for Brican Resources Ltd., Assessment Report 12,749, June 15, 1984.

Dawson, J.M., 1973. Geological and Geochemical Report on the Monashee Pass Property for Keda Resources (1973) Ltd., Assessment Report 4,771, December 14, 1973.

Gilmour, W.R. & Daughtry, K.L., 1983. Geochemical & Geological Assessment Report on the St. Paul and Monashee Properties, Vernon Mining Division, for Brican Resources Ltd., Assessment Report 12,050, December 13, 1983.

Leriche, P.D. & Yacoub, F.F., 1987. Geological Report on the Hilton Claim Group, Vernon Mining Division for Ashworth Explorations Limited, June 1987.

Leriche, P.D. & Yacoub, F.F., 1988. Geological/Geochemical Report on the Hilton Claim Group, Vernon Mining Division, for Donald A. Simon, Internal Draft, October 1988.

Minfile, Old Joe and Heckman Creek.

Nelles, D.M., 1986. Geochemical Report on the Aim Property, Vernon Mining Division for K.D. Resources Inc., November 28, 1986.

REFERENCES, Cont'd

Okulitch, A.V., 1979. Geological Survey of Canada, Open File 637.

Schmidt, U. & Watson, I.M., 1983. Report on Geochemical Survey and Reconnaissance Mapping, Monashee West Group, Vernon Mining Division, for Nakusp Resources Ltd., Assessment Report 11,789, December 20, 1983.

Simpson, R., 1983. A Geological Survey on the Snafu, Carryon, Carryon Two, and Midnight Nails One and Two Claim Groups, Vernon Mining Division, for T. Archibald, Assessment Report 11,892, December 15, 1983.

Sookochoff, L., 1983. Geological Evaluation Report on the Monashee Property, Vernon and Slocan Mining Division, for Demus Petro Corporation, February 7, 1983.

Vancouver Stockwatch, June 2, 1988
August 5, 1988.
August 19, 1988.
November 21, 1988.

Waldner, M.W., 1985. Report on the Geology and Geochemical Surveys Conducted on the Pita 16 Claim, Vernon Mining Division, for Mohawk Oil Co. Ltd., Assessment Report 13,701, May 1985.

CERTIFICATE

I, ROGER G. KIDLARK, of 303 - 9110 Halston Court, Burnaby, B.C. do hereby certify that:

1. I am a graduate of the University of Toronto with a Bachelor of Science Degree in Geology, 1974.

2. I am a Fellow in good standing with the Geological Association of Canada.

3. I have practised my profession as a geologist for twelve years in British Columbia, Yukon and Northwest Territories, Ontario and Nova Scotia.

4. The information, opinions and recommendations in this report are based on fieldwork carried out under my direction and published and unpublished literature. I was present on the subject property from February 8 to 19, 1989.

5. I have no interest, direct or indirect, in the subject claims or the securities of Hanna Pacific Steel Company Limited.

6. I consent to the use of this report in a Prospectus or Statement of Material Facts for the purpose of private or public financing.

ASHWORTH EXPLORATIONS LIMITED

Roger G, Kidlark, B.Sc., F.G.A.C.

Dated at Vancouver, February 28, 1989.

CERTIFICATE

I, FAYZ F. YACOUB, of 13031 - 64th Avenue, Surrey, British Columbia, V3W 1X8, do hereby declare:

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

2. I have actively pursued my career as a geologist for the past fifteen years.

3. The information, opinions, and recommendations in this report are based on fieldwork carried out by myself, and on published and unpublished literature. I was present on the subject property during the December 1988 to February 1989 work programs.

4. I have no interest, direct or indirect, in the subject claims or the securities of Hanna Pacific Steel Company Limited.

5. I consent to the use of this report in a Prospectus or Statement of Material Facts for the purpose of private or public financing.

ASHWORTH EXPLORATIONS LIMITED

Fayz F. Yacoub, B.Sc.

Dated at Vancouver, February 28, 1989

ITEMIZED COST STATEMENT

(Party Chief, 2 Geotechnicians; December 13-15/88 .
Field Geologist, Party Chief, 3 Geotechnicians; Dec. 20-23/88.
Project Geologist, Field Geologist, Party Chief,
3 Geotechnicians; Feb. 9-18/89)

Project preparation			$	2,400
Mob/Demob	Trip 1	$ 1,750		
(includes transportation,	Trip 2	2,725		
freight and wages)	Trip 3	3,430		7,905
Field Crew				
Project Geologist $325/day x 10 days		$ 3,250		
Field Geologist $275/day x 14 days		3,850		
Party Chief $250/day x 17 days		4,250		
Geotechnicians $210/day x 48 mandays		10,080		21,430
Field Costs				
Food and Accommodation $70/day x 89 mandays		$ 6,230		
Communications $35/day x 17 days		595		
Freight		250		
Supplies		850		
4X4 Truck $110/day x 27 days		2,970		10,895
Magnetometer and VLF-EM Survey $360/km x 30 km				10,800
Backhoe $80/hr x 35 hrs				2,800
Reclamation				1,750
Lab Analysis				
1,054 soil samples @ $13/sample		$ 13,702		
Au by Aqua Regia/Sol Ext, Multi-element ICP				
100 rock samples @ $18/sample		1,800		
Au by FA/AA, Multi-element ICP				
Thin Section Analysis		630		16,132
Supervision and Report				
Supervision		$ 4,500		
Report Writing		3,575		
Map Plotting and Drafting		1,500		
Word Processing, Copying, Binding		650		10,225
Sub-total			$	84,337
Administration 15%				12,650
Total			$	96,987

APPENDIX A

ROCK SAMPLE DESCRIPTIONS

ROCK SAMPLE DESCRIPTIONS - HILTON CLAIM GROUP

SAMPLE NO.	DESCRIPTION	WIDTH (cm)
CH88-R01	Chip sample; Silicified, light gray, fine-grained volcanic dacite, 20-30% quartz, minor pyrite.	30
CH88-R02	Chip sample; Small silicified zone of dacite hosting 5 cm wide barren sugary quartz vein.	20
CH88-R03	Chip sample; Dark brown to black shale, shear zone, bedding 100 degrees/75 degrees south, with moderate to intense oxidation, limonite in fractures.	200
CH88-R04	Chip sample; As sample CH88-R03.	200
CH88-R05	Chip sample; Shear zone with thin bedded black shale, strongly oxidized, moderate silicification. Five cm quartz vein with minor oxides filling vugs.	200
CH88-R06	Channel sample; Barren quartz vein, 15 cm wide, strikes north, hosted by green volcanics.	15
CH88-R07	Channel sample; Milky quartz vein, 15 cm wide, 1-2% light brown rusty Fe oxide lenses.	15
CH88-R08	Chip sample; Massive barren quartz vein, striking north/vertical, minor rust along cleavage.	15
CH88-R09	Chip sample; 20 cm quartz vein hosted by silicified light gray dacite.	20
CH88-R10	Chip sample; Argillic altered dacite, numerous quartz veins 1 to 15 cm wide, minor calcite.	500
CH88-R11	Chip sample; Hematitic quartz lens, 20% hematite, minor limonite in vugs.	100
CH88-R12	Float; Angular quartz vein material, hematitic with no visible metallic minerals.	---
CH88-R13	Chip sample; Silicified dacite with 10% quartz, minor calcite, rusty dark brown on weathered surfaces.	50
CH88-R14	Float; Local angular crystalline quartz material, barren with minor Fe oxides along crystal faces.	---

CH88-R15 to CH88-R18	Grab samples collected from small, old, hand-dug pit. Hematitic, dark brown, rusty quartz vein, 2% disseminated pyrite, relic light gray volcanic fragment textures.	---
CH89-R19	Float; Angular, silicified thin-bedded black shale with gray quartz veinlets .1 to .5 cm wide, no metallic minerals.	---
CH89-R20	Chip sample; Thin bedded black shale, bedding 290 degrees/70 degrees SW, quartz veinlets. No visible metallic minerals.	60
CH89-R21	Chip sample; Silicified black shale, trace pyrite, quartz veins .5 to 1.5 cm wide along bedding planes.	40
CH89-R22	Float; Angular quartz, milky dark brown to reddish, along cleavage, trace pyrite.	---
CH89-R23	Float; Angular milky quartz vein material (10-15%), dark brown iron staining, no sulphides.	---
CH89-R24	Select sample; Milky quartz lens, reddish with minor iron staining. Host is black gray to black argillite.	---
CH89-R25	Grab sample; Quartz vein 3 km south of Half Mile Creek. Barren, light brown to white milky quartz, host is black shale.	---
CH89-R26	Grab sample; Milky quartz lens with 5-7% iron staining.	---
CH89-R27	Chip sample; Oxidized volcanic andesite, 20% dark brown iron staining and minor limonite along fractures.	100
CH89-R28	Chip sample; Strong oxidation zone, orange to dark brown limonite and hematite. Host is altered, foliated andesite.	500
CH89-R29	Chip sample; Rusty, dark gray to black andesite. Foliation 285/80SW, limonite and hematite within foliations.	100
CH89-R30	Chip sample; Thin bedded black shale, 20-30% quartz veinlets parallel to bedding.	30
CH89-R31	Channel sample; Quartz vein and wall rock of silicified shale, vein strikes 290/75SW.	20
CH89-R32	Channel sample; Barren, milky quartz vein, 5-7% reddish iron staining.	10
CH89-R33	Select sample; Mineralized quartz vein boulder, disseminated pyrite, chalcopyrite, 2-3% reddish Fe-staining along cleavages.	30

CH89-R34	Float; 30X60 cm angular reddish quartz boulder, trace pyrite.	---
CH89-R35	Float; Milky, barren quartz vein material with trace pyrite.	---
CH89-R36	Chip sample; Oxidized zone, dark brown, soft, weathered rocks hosted by altered dacite tuff.	60
CH89-R37	Grab sample; Light brown-reddish, altered subcrop of graywacke, extensive Mn oxides.	---
CH89-R38	Float; Milky quartz vein materials, 2-3% white flaky mica, dark gray Mn oxides.	---
CH89-R39	Channel sample; Milky quartz vein, 45 cm wide, striking 280/vertical, 2-3% pyrite and chalcopyrite.	45
CH89-R40	Select sample; Quartz lens hosted by andesite, 3-5% fine-grained pyrite.	20
CH89-R41	Chip sample; Brown to dark black laminated shale, well developed bedding, striking 270/85S, 1-2mm quartz veinlets within sediments. Trench TMS2.	200
CH89-R42	Chip sample; Laminated black shale, strong silicification with quartz veins up to 10 cm wide, trace pyrite, bedding 280/80S. Trench TMS2.	200
CH89-R43	Chip sample; Rusty, dark brown to black laminated shale, bedding 275/80S, minor silicification.	200
CH89-R44	Chip sample; Silicified pyritiferous black shale and graywacke, 10-15% quartz veinlets, 1-2% fine-grained pyrite.	200
CH89-R45	Chip sample; Dark black shale, minor graywacke, trace quartz and pyrite. Trench TMS2.	200
CH89-R46	Chip sample; Light gray sugary quartz veins, 1-5 cm wide, hosted by dark black shale, 1-2% fine-grained pyrite. Veins strike 270/60S. Chip across vein and host rock. Trench TMS2.	200
CH89-R47	Chip sample; Black laminated shale with minor silicification, trace fine-grained pyrite. Trench TMS2.	200
CH89-R48	Chip sample; Thin bedded shale with rusty brown rounded oxide lenses, 1-2 mm, bedding strikes 265/62S. Trench TMS2.	200
CH89-R49	Chip sample; Same as CH89-R48. Trench TMS2.	200

CH89-R50	Chip sample; Barren sugary quartz vein striking 285 degrees, trace pyrite. Trench TMS2.	15
CH89-R51	Chip sample; Dark gray to black laminated shale, moderate to strong silicification with up to 30% sugary quartz, 1-2% iron staining. Trench TMS4.	60
CH89-R52	Chip sample; Silicified dark black shale with up to 30% quartz, no sulphides. Trench TMS4.	70
CH89-R53	Grab sample; Lamprophyre dyke, iron rich with dark brown biotite in fine-grained dark gray groundmass. Trench TMS4.	---
CH89-R54	Grab sample; Milky, barren quartz lens. Trench TSS1.	---
CH89-R55	Grab sample; Another quartz lens at Trench TSS1. Trace pyrite, 1-2% light brown iron oxides. Host rock is black shale.	---
CH89-R56	Grab sample; Same as sample CH89-R55. No mineralization. Trench TSS2.	---
CH89-R57	Grab sample; Same as sample CH89-R55. Trench TSS2.	---
CH89-R58	Chip sample; Laminated rusty, weathered black shale. Bedding 292/48S, minor silicification. Trench TSS2.	100
CH89-R59	Chip sample; Folded, weathered, laminated shale, minor silicification, quartz veinlets 2-3 mm. Trench TMS1.	80
CH89-R60	Chip sample; Shear zone with soft, weathered shale with dark brown hematitic bands. Trench TMS1.	70
CH89-R61	Chip sample; Same zone as CH89-R60. Trench TMS1.	80
CH89-R62	Chip sample; Same zone as CH89-R60. Bedding 280/65S. Trench TMS1.	60
CH89-R63	Grab sample; Milky, barren quartz lens with relics of dark gray fragments. Trench TMS1.	20
CH89-R64	Channel sample; Quartz vein striking 285/29S. White massive quartz with light brown to reddish colour along cleavage. Trace pyrite and pyrrhotite. Trench TMS1.	70
CH89-R65	Chip sample; Wallrock of vein in CH89-R64. Weathered shale, dark brown lenses of iron oxides 1-3 mm wide. Silicification present at contact with the vein. Trench TMS1.	60

CH89-R66	Grab sample; Lamprophyre dyke, light to dark gray groundmass, fine dark brown altered biotite phenocrysts. Strikes 265 and vertical. Trench TMS1.	---
CH89-R67	Channel sample; Quartz vein 90 cm wide. Milky quartz with light brown rusty appearance, no metallic minerals. Trench TMS1.	90
CH89-R68	Chip sample; Silicified shale which is the wall rock to vein sampled by CH89-R67. Altered, sheared laminated shale. Trench TMS1.	70
CH89-R69	Chip sample; Light brown sheared laminated shale, 1-3 mm subrounded oxide lenses, 1-5mm quartz veinlets, bedding 280/30S. Trench TMS1.	70
CH89-R70	Chip sample; Shear zone of laminated, well bedded dark gray to black shale, moderate silicification at contact with quartz lens.	100
CH89-R71	Channel sample; Milky quartz vein, dark brown rust along cleavage, striking 280/50S. Trench TMS1.	20
CH89-R72	Chip sample; Shear zone. Sheared dark gray shale, minor silicification, dark brown oxides. Trench TMS1.	60
CH89-R73	Chip sample; Folded laminated shale, minor silicification.	60
CH89-R74	Chip sample; Shear zone. Well bedded shale with 20% light brown oxide bands parallel to bedding. Trench TMS1.	90
CH89-R75	Chip sample; Silicigfied shear zone, well bedded shale 20% quartz, 5-7% iron staining, bedding 290/50S. Trench TMS1.	50
CH89-R76	Grab sample; Rusty, vuggy quartz pod loaded with galena, pod is 30 X 20 cm.	--
CH89-R77	Chip sample; Silicified rusty quartz pod 30 X 10 cm, hosted by dark gray to black silicified well-banded shale, striking 280 degrees.	60
CH89-R78	Channel sample. Quartz vein 40 cm wide, white milky quartz, minor pyrite, trace pyrrhotite. Striking 290 degrees, unknown dip.	40
CH89-R79	Chip sample. Shear zone, well bedded shale, minor silicification, attitude of bedding 290 degree strike, dipping south.	100
CH89-R80	Float; Quartz material taken fro 1'X2' angular boulder, milky quartz with light to dark brown iron staining.	---

CH89-R81	Chip sample; Milky, barren quartz vein, brown to reddish colour along cleavage. Host is andesite flow.	40
CH89-R82	Chip sample; Another quartz vein 5 m west of CH89-R81. Similar type, striking 62/45NW.	40
CH89-R83	Chip sample; Another quartz vein similar to CH89-R81.	40
CH89-R84	Chip sample; Milky barren quartz vein striking 62/63NW, relics of dark gray volcanic fragments.	40
CH89-R85	Chip sample; Milky barren quartz vein.	25
CH89-R86	Chip sample; Altered, brecciated light to dark brown volcanic rocks. Moderate argillic alteration, strong limonite.	150
CH89-KR01	Float; Silicified andesite, 5% fine-grained disseminated pyrite.	---
CH89-KR02	Chip sample; Silicified andesite adjacent to quartz vein (Sample CH89-KR03), disseminated pyrite.	30
CH89-KR03	Channel sample; Quartz vein striking 228/42N, rusty, no obvious sulphides.	90
CH89-KR04	Channel sample; Quartz vein as CH89-KR03.	90
CH89-KR05	Chip sample; White quartz lens, hosted by light gray volcanic andesite, 90 cm long X 60 cm wide.	60
CH89-KR06 to CH89-KR11	Chip sample; Well bedded, sandy black shale, with laminated intervals of quartzite-argillite towards north end of trench TMS3.	200
CH89-KR12	Chip sample; Small rusty quartz lens, 30 cm X 30 cm, From second showing, TSS1.	30
CH89-KR13	Float; Rusty boulder of quartz float, no sulphides.	---
CH89-KR14	Chip sample; Alteration zone, silicified, argillically altered, foliated andesite, quartz pod-30 cm X 10 cm, 5% disseminated pyrite throughout.	400

APPENDIX B

ANALYTICAL REPORTS

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: ASHWORTH EXPLORATION LTD.
ADDRESS: 1010 - 789 W. Pender Street
: Vancouver, B.C.
: V6C 1H2

DATE: Jan 11 1989
REPORT#: 890003 GA
JOB#: 890003

PROJECT#: 259
SAMPLES ARRIVED: Jan 03 1988
REPORT COMPLETED: Jan 11 1989
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 890003 NA
TOTAL SAMPLES: 18
SAMPLE TYPE: ROCKS
REJECTS: SAVED

SAMPLES FROM: ASHWORTH EXPLORATION LTD.
COPY SENT TO: ASHWORTH EXPLORATION LTD.

PREPARED FOR: MR. PETER LERICHE

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
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● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890003 GA JOB NUMBER: 890003 ASHWORTH EXPLORATION LTD.

SAMPLE #	Au ppb
CH88-R01	30
CH88-R02	10
CH88-R03	30
CH88-R04	20
CH88-R05	45
CH88-R06	15
CH88-R07	30
CH88-R08	10
CH88-R09	20
CH88-R10	10
CH88-R11	5
CH88-R12	15
CH88-R13	15
CH88-R14	10
CH88-R15	240
CH88-R16	30
CH88-R17	20
CH88-R18	70

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1988 TRIUMPH STREET, VANCOUVER B.C. V5L 1K5 PH:(604)251-5656 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA STREET. VANCOUVER B.C. V5L 1L6 PH:(604)251-7282 FAX:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: ASHWORTH EXPL
ATTENTION: P LERICHE
PROJECT: 259

REPORT#: 890003 PA
JOB#: 890003
INVOICE#: 890003 NA

DATE RECEIVED: 89/01/03
DATE COMPLETED: 89/01/13
COPY SENT TO:

ANALYST

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
CH88-R01	.2	.70	ND	ND	31	ND	.58	.3	7	58	9	1.22	.14	.34	473	2	.04	17	.09	56	ND	ND	ND	2	67	ND	ND	41
CH88-R02	.6	.91	ND	ND	33	ND	2.13	.4	8	104	20	1.43	.34	.46	488	2	.03	11	.08	21	ND	ND	ND	3	121	ND	ND	45
CH88-R03	1.5	2.09	626	ND	96	3	.25	8.4	51	87	123	7.97	.32	.85	1231	14	.01	110	.10	45	ND	ND	ND	3	29	ND	ND	2029
CH88-R04	2.1	1.88	252	ND	120	ND	.15	4.3	16	92	118	6.76	.26	.94	260	10	.01	56	.11	38	ND	ND	ND	2	43	ND	ND	790
CH88-R05	2.2	2.05	78	ND	90	3	.12	7.4	22	99	163	6.26	.26	.78	224	13	.01	96	.09	40	ND	ND	ND	2	19	ND	ND	676
CH88-R06	3.1	.84	8	ND	46	ND	1.04	.5	7	73	52	1.99	.21	.47	588	4	.01	87	.05	14	ND	ND	ND	1	75	ND	ND	127
CH88-R07	.6	.31	ND	ND	34	ND	.13	.1	3	153	39	.64	.04	.12	132	3	.01	13	.01	6	ND	ND	ND	ND	12	ND	ND	56
CH88-R08	2.1	.23	ND	ND	19	ND	.10	.1	3	293	31	.58	.05	.09	103	9	.01	10	.01	3	ND	ND	ND	1	7	ND	ND	40
CH88-R09	1.5	.79	596	ND	97	ND	3.60	7.6	10	36	32	3.10	.60	.40	1319	3	.01	9	.17	37	ND	ND	ND	1	228	ND	ND	650
CH88-R10	1.1	.68	334	ND	67	ND	2.47	1.1	10	35	23	3.05	.45	.46	972	3	.03	9	.13	79	ND	ND	ND	1	235	ND	ND	122
CH88-R11	.6	.57	263	ND	45	ND	2.88	.1	5	83	13	1.34	.45	.31	716	3	.04	99	.06	176	ND	ND	ND	1	449	ND	ND	50
CH88-R12	.1	.24	23	ND	35	ND	.68	.1	4	253	11	.73	.12	.10	440	9	.02	12	.02	31	ND	ND	ND	ND	83	ND	ND	26
CH88-R13	.2	1.19	28	ND	51	ND	5.80	.4	8	27	17	2.32	.89	.66	1297	2	.05	9	.11	31	ND	ND	ND	1	696	ND	ND	74
CH88-R14	.1	.51	ND	ND	32	ND	16.22	.1	1	38	12	.57	2.19	.18	764	1	.03	5	.01	21	ND	ND	ND	ND	520	ND	ND	13
CH88-R15	.6	.30	1395	ND	29	ND	1.10	.1	8	97	19	1.31	.19	.13	465	3	.01	109	.04	51	ND	ND	ND	ND	75	ND	ND	66
CH88-R16	.3	.35	1211	ND	33	ND	3.04	2.3	8	145	47	1.80	.48	.50	625	6	.01	17	.07	14	ND	ND	ND	ND	230	ND	ND	138
CH88-R17	.2	.17	669	ND	19	ND	1.54	1.5	5	80	10	.71	.23	.10	404	1	.01	8	.02	267	ND	ND	ND	ND	132	ND	ND	80
CH88-R18	.1	.23	1313	ND	42	ND	.31	.1	8	154	26	1.81	.13	.10	834	5	.01	188	.03	65	ND	ND	ND	1	30	ND	ND	51
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
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BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: ASHWORTH EXPLORATION LTD.
ADDRESS: 1010 - 789 W. Pender Street
: Vancouver, B.C.
: V6C 1H2

DATE: Feb 20 1989
REPORT#: 890071 GA
JOB#: 890071

PROJECT#: 259
SAMPLES ARRIVED: Feb 19 1989
REPORT COMPLETED: Feb 20 1989
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 890071 NA
TOTAL SAMPLES: 9
SAMPLE TYPE: ROCKS
REJECTS: DISCARDED

SAMPLES FROM: DELIVERED
COPY SENT TO: ASHWORTH EXPLORATION LTD.

PREPARED FOR: MR. PETER LERICHE

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

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BRANCH OFFICES
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REPORT NUMBER: 890071 GA JOB NUMBER: 890071 **ASHWORTH EXPLORATION LTD.** PAGE 1 OF 1

SAMPLE #	Au ppb
CH-89 KR13	10
CH-89 KR14	5
CH-89 R80	nd
CH-89 R81	nd
CH-89 R82	nd
CH-89 R83	5
CH-89 R84	nd
CH-89 R85	nd
CH-89 R86	55

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890071 PA | ASHWORTH EXPL | Proj: 259 | Date In: 89/02/19 | Date Out:89/02/22 | Att: R KIDLARD | Page 1 of 1

Sample Number	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Pd	Pt	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CH-89 KR13	0.1	0.08	17	<3	16	<3	0.22	0.1	2	94	6	0.31	0.04	0.04	122	1	0.01	16	0.01	14	<3	<5	<2	2	22	<5	<3	17
CH-89 KR14	0.3	1.35	61	<3	51	<3	0.85	0.7	7	63	19	2.47	0.20	0.89	502	4	0.02	47	0.11	26	<3	<5	<2	4	106	<5	<3	92
CH-89 R80	1.3	0.58	<3	<3	26	<3	0.48	0.1	4	236	9	1.17	0.10	0.35	327	8	0.01	12	0.03	205	<3	<5	<2	2	42	<5	<3	38
CH-89 R81	0.3	0.29	<3	<3	7	<3	0.27	0.1	2	231	8	0.70	0.08	0.23	155	3	0.01	6	0.01	22	<3	<5	<2	2	18	<5	<3	19
CH-89 R82	0.1	0.15	<3	<3	10	<3	0.14	0.1	2	111	6	0.43	0.03	0.09	110	1	0.01	4	0.01	8	<3	<5	<2	<2	8	<5	<3	11
CH-89 R83	0.4	0.50	<3	<3	30	<3	0.21	0.3	5	263	26	1.19	0.07	0.30	231	9	0.01	8	0.04	16	<3	<5	<2	2	16	<5	<3	61
CH-89 R84	0.3	0.40	<3	<3	31	<3	0.16	0.1	4	147	22	1.03	0.06	0.25	162	5	0.01	68	0.02	12	<3	<5	<2	2	14	<5	<3	26
CH-89 R85	0.1	0.05	<3	<3	6	<3	0.08	0.1	1	214	6	0.31	0.02	0.02	45	3	0.01	7	0.01	5	<3	<5	<2	<2	6	<5	<3	8
CH-89 R86	6.1	0.50	332	<3	40	<3	5.74	1.8	5	26	17	2.78	0.85	0.31	1320	4	0.01	6	0.07	123	<3	<5	<2	3	209	<5	<3	301
Minimum Detection	0.1	0.01	3	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	3	5	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	100	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	100	100	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
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BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT:	ASHWORTH EXPLORATION LTD.	DATE:	Feb 21 1989
ADDRESS:	1010 - 789 W. Pender Street		
:	Vancouver, B.C.	**REPORT#:**	**890068 GA**
:	V6C 1H2	JOB#:	890068
PROJECT#:	259	INVOICE#:	890068 NA
SAMPLES ARRIVED:	Feb 17 1989	TOTAL SAMPLES:	73
REPORT COMPLETED:	Feb 21 1989	SAMPLE TYPE:	ROCKS
ANALYSED FOR:	Au (FA/AAS) ICP	REJECTS:	DISCARDED

SAMPLES FROM: ROGER KIDLARK
COPY SENT TO: ASHWORTH EXPLORATION LTD.

PREPARED FOR: MR. PETER LERICHE

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: Assay recheck for sample >1000 ppb Au

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
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BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890068 GA JOB NUMBER: 890068 **ASHWORTH EXPLORATION LTD.**

SAMPLE #	Au ppb
CH-89-KR-01	15
CH-89-KR-02	10
CH-89-KR-03	10
CH-89-KR-04	10
CH-89-KR-05	10
CH-89-KR-06	5
CH-89-KR-07	10
CH-89-KR-08	10
CH-89-KR-09	20
CH-89-KR-10	5
CH-89-KR-11	20
CH-89-KR-12	15
CH-89-R-19	10
CH-89-R-20	10
CH-89-R-21	10
CH-89-R-22	5
CH-89-R-23	15
CH-89-R-24	5
CH-89-R-25	20
CH-89-R-26	10
CH-89-R-27	10
CH-89-R-28	5
CH-89-R-29	10
CH-89-R-30	10
CH-89-R-31	15
CH-89-R-32	20
CH-89-R-33	10
CH-89-R-34	10
CH-89-R-35	60
CH-89-R-36	55
CH-89-R-37	20
CH-89-R-38	30
CH-89-R-39	10
CH-89-R-40	10
CH-89-R-41	10
CH-89-R-42	10
CH-89-R-43	20
CH-89-R-44	10
CH-89-R-45	10
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
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VANCOUVER, B.C. V5L 1K5
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BRANCH OFFICES
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MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Au ppb
CH-89-R-46	20
CH-89-R-47	20
CH-89-R-48	20
CH-89-R-49	10
CH-89-R-50	10
CH-89-R-51	20
CH-89-R-52	20
CH-89-R-53	20
CH-89-R-54	10
CH-89-R-55	25
CH-89-R-56	25
CH-89-R-57	20
CH-89-R-58	10
CH-89-R-59	10
CH-89-R-60	10
CH-89-R-61	20
CH-89-R-62	20
CH-89-R-63	10
CH-89-R-64	1100
CH-89-R-65	65
CH-89-R-66	10
CH-89-R-67	2160
CH-89-R-68	100
CH-89-R-69	60
CH-89-R-70	3390
CH-89-R-71	85
CH-89-R-72	55
CH-89-R-73	150
CH-89-R-74	> 10000
CH-89-R-75	415
CH-89-R-76	>10000
CH-89-R-77	410
CH-89-R-78	420
CH-89-R-79	770

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

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1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
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BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

ASSAY ANALYTICAL REPORT

CLIENT: ASHWORTH EXPLORATION LTD.
ADDRESS: 1010 - 789 W. Pender Street
: Vancouver, B.C.
: V6C 1H2

DATE: Feb 21 1989
REPORT#: 890068 AA
JOB#: 890068

PROJECT#: 259
SAMPLES ARRIVED: Feb 17 1989
REPORT COMPLETED: Feb 21 1989
ANALYSED FOR: Au

INVOICE#: 890068 NA
TOTAL SAMPLES: 5
REJECTS/PULPS: 90 DAYS/1 YR
SAMPLE TYPE: ROCKS

SAMPLES FROM: ROGER KIDLARK
COPY SENT TO: ASHWORTH EXPLORATION LTD.

PREPARED FOR: MR. PETER LERICHE

ANALYSED BY: David Chiu

SIGNED: _____

Registered Provincial Assayer

GENERAL REMARK: Assay recheck for sample >1000 ppb Au

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890068 AA JOB NUMBER: 890068 **ASHWORTH EXPLORATION LTD.**

SAMPLE #	Au oz/st
CH-89-R-64	.033
CH-89-R-67	.063
CH-89-R-70	.114
CH-89-R-74	.599
CH-89-R-76	.771

DETECTION LIMIT .005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VANGEOCHEM LAB LTD
1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890068 PA | ASHWORTH EXPL | Proj: 259 | Date In: 89/02/17 | Date Out:89/02/21 | Att: R KIDLARK |

Sample Number	Ag ppm	Al %	As ppm	Au ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Pd ppm	Pt ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
CH-89-KR-01	0.8	1.85	10	<3	58	<3	1.49	1.1	7	99	27	3.02	0.31	1.13	870	5	0.02	20	0.12	33	<3	<5	<2	5	128	<5	<3	114
CH-89-KR-02	0.2	1.49	4	<3	79	<3	0.66	0.9	10	31	83	2.69	0.20	1.00	521	2	0.03	14	0.18	23	<3	<5	<2	4	46	<5	<3	70
CH-89-KR-03	0.7	0.37	<3	<3	47	<3	2.69	0.2	4	176	47	0.98	0.39	0.24	505	5	0.01	7	0.03	118	<3	<5	<2	2	189	<5	<3	20
CH-89-KR-04	0.1	0.46	<3	<3	75	<3	0.21	0.1	3	220	12	0.93	0.06	0.17	415	2	0.01	6	0.01	14	<3	<5	<2	2	29	<5	<3	25
CH-89-KR-05	0.1	0.13	<3	<3	44	<3	0.48	0.1	1	285	8	0.42	0.08	0.02	202	8	0.01	5	0.01	12	<3	<5	<2	2	99	<5	<3	8
CH-89-KR-06	1.1	0.26	5	<3	89	<3	8.53	0.6	6	80	27	1.74	1.21	0.27	422	3	0.01	56	0.05	18	<3	<5	<2	2	951	<5	<3	56
CH-89-KR-07	1.4	0.32	<3	<3	85	<3	>10.00	0.8	4	38	39	1.40	1.67	0.27	434	1	0.01	49	0.05	18	<3	<5	<2	2	1382	<5	<3	67
CH-89-KR-08	1.4	0.53	<3	<3	104	<3	>10.00	0.6	6	74	26	1.56	1.76	0.44	467	2	0.02	71	0.06	20	<3	<5	<2	3	1342	<5	<3	70
CH-89-KR-09	1.1	0.90	8	<3	156	<3	7.75	1.3	11	89	37	2.64	1.14	0.89	544	3	0.01	111	0.08	22	<3	<5	<2	3	739	<5	<3	102
CH-89-KR-10	0.7	1.05	10	<3	138	<3	8.28	1.1	10	102	33	2.22	1.19	1.03	362	2	0.01	121	0.07	23	<3	<5	<2	3	734	<5	<3	99
CH-89-KR-11	1.0	0.98	9	<3	130	<3	9.30	1.1	9	92	37	2.34	1.32	0.75	486	3	0.01	108	0.08	24	<3	<5	<2	3	696	<5	<3	97
CH-89-KR-12	1.0	0.54	43	<3	160	<3	>10.00	1.1	10	129	50	2.03	1.60	1.50	374	4	0.01	136	0.06	24	<3	<5	<2	3	1571	<5	<3	80
CH-89-R-19	0.8	0.08	<3	<3	68	<3	>10.00	0.2	2	56	16	0.87	1.48	0.51	272	<1	0.01	28	0.03	13	<3	<5	<2	2	1289	<5	<3	44
CH-89-R-20	1.2	0.07	9	<3	60	<3	>10.00	0.3	5	47	22	1.25	2.05	0.73	355	1	0.01	49	0.05	18	<3	<5	<2	2	1570	<5	<3	60
CH-89-R-21	0.9	0.16	<3	<3	210	<3	>10.00	0.5	4	73	19	1.17	2.04	1.02	295	2	0.01	73	0.04	18	<3	<5	<2	3	1535	<5	<3	53
CH-89-R-22	0.1	0.03	<3	<3	16	<3	0.49	0.1	1	251	4	0.31	0.07	0.05	64	5	0.01	8	0.01	3	<3	<5	<2	<2	69	<5	<3	10
CH-89-R-23	0.1	0.65	<3	<3	35	<3	2.30	0.2	4	191	12	1.21	0.35	0.39	770	2	0.01	21	0.01	12	<3	<5	<2	2	184	<5	<3	27
CH-89-R-24	0.2	0.86	<3	<3	22	<3	0.57	0.2	5	171	13	1.61	0.12	0.59	308	2	0.01	7	0.04	13	<3	<5	<2	3	48	<5	<3	34
CH-89-R-25	0.7	2.05	9	<3	102	<3	5.47	1.2	11	95	31	3.32	0.86	2.22	756	5	0.01	46	0.12	36	<3	<5	<2	5	691	<5	<3	125
CH-89-R-26	1.2	0.38	<3	<3	20	<3	>10.00	0.1	1	72	12	0.80	2.17	0.34	995	<1	0.01	4	0.01	14	<3	<5	<2	2	643	<5	<3	19
CH-89-R-27	1.1	2.84	26	<3	113	3	1.78	1.2	21	62	86	4.57	0.40	2.32	837	5	0.01	40	0.16	41	<3	<5	<2	9	191	<5	<3	112
CH-89-R-28	0.9	1.53	18	<3	90	<3	7.07	1.9	9	43	68	3.60	1.06	1.14	739	3	0.02	20	0.10	32	<3	<5	<2	5	485	<5	<3	123
CH-89-R-29	1.0	1.63	14	<3	104	<3	0.77	1.6	7	48	62	3.90	0.24	1.19	349	3	0.01	16	0.14	31	<3	<5	<2	5	67	<5	<3	98
CH-89-R-30	1.4	0.47	<3	<3	49	<3	>10.00	0.2	5	69	19	1.34	2.20	0.62	339	3	0.02	70	0.05	22	<3	<5	<2	3	1166	<5	<3	46
CH-89-R-31	1.3	0.66	<3	<3	66	<3	9.37	0.6	4	164	19	1.09	1.32	0.80	410	2	0.01	43	0.03	47	<3	<5	<2	3	1278	<5	<3	49
CH-89-R-32	0.9	0.17	<3	<3	20	<3	1.16	0.1	1	304	26	0.64	0.18	0.12	359	8	0.01	7	0.01	14	<3	<5	<2	2	109	<5	<3	13
CH-89-R-33	0.7	0.48	<3	<3	34	<3	2.46	0.6	5	125	39	2.32	0.40	0.37	553	6	0.01	77	0.08	17	<3	<5	<2	3	<1	<5	<3	82
CH-89-R-34	0.7	0.08	<3	<3	14	<3	0.10	0.1	1	99	4	0.39	0.02	0.02	68	<1	0.01	5	0.01	9	<3	<5	<2	2	13	<5	<3	20
CH-89-R-35	1.0	0.68	<3	<3	163	<3	0.98	0.6	6	148	23	1.46	0.18	0.48	697	4	0.01	143	0.01	24	<3	<5	<2	4	84	<5	<3	80
CH-89-R-36	1.9	0.80	72	<3	62	<3	0.16	0.4	5	39	13	2.09	0.09	0.58	144	5	0.02	17	0.11	25	<3	<5	<2	4	38	<5	<3	135
CH-89-R-37	0.4	2.51	21	<3	159	<3	0.25	1.3	16	13	86	5.46	0.23	1.31	468	3	0.01	20	0.16	39	<3	<5	<2	6	28	<5	<3	117
CH-89-R-38	0.2	0.95	33	<3	31	<3	0.09	0.4	3	98	33	2.02	0.08	0.60	249	2	0.01	6	0.01	22	<3	<5	<2	3	10	<5	<3	66
CH-89-R-39	0.9	0.97	4	<3	44	<3	7.12	0.6	4	24	22	2.27	1.02	0.85	1413	4	0.02	19	0.10	35	<3	<5	<2	4	462	<5	<3	68
CH-89-R-40	1.3	0.78	28	<3	33	<3	1.84	1.2	7	131	20	2.42	0.33	0.58	589	5	0.02	8	0.08	39	<3	<5	<2	3	157	<5	<3	74
CH-89-R-41	0.8	1.82	26	<3	109	<3	4.17	1.1	14	113	44	2.87	0.66	1.96	414	3	0.01	157	0.09	35	<3	<5	<2	5	375	<5	<3	125
CH-89-R-42	0.8	1.20	22	<3	115	<3	6.23	1.3	12	115	35	2.55	0.93	1.89	542	2	0.01	123	0.08	32	<3	<5	<2	4	616	<5	<3	105
CH-89-R-43	0.9	1.13	22	<3	86	<3	9.27	1.1	8	102	26	2.01	1.31	1.61	597	2	0.01	85	0.05	29	<3	<5	<2	4	861	<5	<3	78
CH-89-R-44	1.0	0.78	8	<3	172	<3	>10.00	1.1	8	99	29	2.03	1.74	1.45	558	3	0.01	78	0.05	28	<3	<5	<2	4	1012	<5	<3	75
CH-89-R-45	1.1	0.49	<3	<3	96	<3	>10.00	0.6	5	79	21	1.48	2.18	1.02	532	3	0.02	68	0.04	27	<3	<5	<2	4	1391	<5	<3	62
Minimum Detection	0.1	0.01	3	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	3	5	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	100	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	100	100	2000	1000	10000	100	1000	20000

REPORT #: 890068 PA ASHWORTH EXPL Proj: 259 Date In: 89/02/17 Date Out:89/02/21 Att: R KIDLARK

Sample Number	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Pd	Pt	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CH-89-R-46	1.5	0.77	11	<3	64	<3	>10.00	1.1	6	49	25	1.47	2.03	1.06	593	1	0.01	69	0.04	26	<3	<5	<2	3	1507	<5	<3	70
CH-89-R-47	1.3	0.38	<3	<3	42	<3	>10.00	1.1	3	40	16	1.00	2.04	0.74	542	<1	0.01	55	0.03	21	<3	<5	<2	2	1644	<5	<3	47
CH-89-R-48	1.4	0.21	<3	<3	88	<3	>10.00	0.8	3	24	23	1.17	2.18	0.42	430	1	0.01	51	0.05	20	<3	<5	<2	2	1962	<5	<3	54
CH-89-R-49	1.4	0.12	<3	<3	115	<3	>10.00	1.1	3	26	25	1.44	2.26	0.93	605	1	0.01	54	0.09	20	<3	<5	<2	2	1682	<5	<3	74
CH-89-R-50	1.0	0.31	19	<3	172	<3	7.68	0.7	6	147	21	1.44	1.08	0.82	421	4	0.01	63	0.04	23	<3	<5	<2	2	725	<5	<3	57
CH-89-R-51	1.8	0.26	88	<3	337	<3	>10.00	0.6	3	43	18	1.15	1.78	0.72	491	1	0.01	49	0.03	40	<3	<5	<2	2	1335	<5	<3	43
CH-89-R-52	1.0	0.13	77	<3	134	<3	>10.00	0.5	2	26	17	1.05	2.15	0.56	509	<1	0.01	47	0.04	20	<3	<5	<2	2	1694	<5	<3	53
CH-89-R-53	1.3	2.30	13	<3	661	3	3.37	1.6	36	340	38	4.25	0.67	3.81	723	3	0.03	49	0.20	39	<3	<5	<2	10	1319	<5	<3	94
CH-89-R-54	0.9	0.12	<3	<3	89	<3	>10.00	0.5	3	138	17	1.13	1.87	0.66	390	4	0.01	43	0.02	16	<3	<5	<2	2	1919	<5	<3	72
CH-89-R-55	0.8	0.27	13	<3	62	<3	7.88	1.1	4	55	21	1.19	1.04	0.43	324	<1	0.01	43	0.03	19	<3	<5	<2	2	986	<5	<3	112
CH-89-R-56	0.7	0.34	11	<3	74	<3	4.48	0.8	5	81	24	1.62	0.68	0.75	296	2	0.01	70	0.03	14	<3	<5	<2	2	747	<5	<3	93
CH-89-R-57	0.3	0.05	<3	<3	46	<3	4.16	0.4	1	140	8	0.65	0.59	0.22	160	<1	0.01	20	0.02	8	<3	<5	<2	2	712	<5	<3	52
CH-89-R-58	1.1	0.25	84	<3	93	<3	8.87	1.2	7	39	35	1.79	1.26	0.73	368	1	0.01	64	0.11	16	<3	<5	<2	2	1067	<5	<3	98
CH-89-R-59	1.3	0.54	<3	<3	125	<3	9.37	1.6	10	52	33	2.25	1.34	1.76	422	2	0.01	109	0.07	22	<3	<5	<2	3	1076	<5	<3	129
CH-89-R-60	1.3	0.44	17	<3	139	<3	>10.00	1.1	7	40	33	1.49	1.57	0.82	350	1	0.01	106	0.07	22	<3	<5	<2	3	1046	<5	<3	103
CH-89-R-61	1.4	0.82	72	<3	160	<3	>10.00	1.6	10	53	35	2.07	1.62	1.13	371	2	0.01	125	0.09	31	<3	<5	<2	3	939	<5	<3	113
CH-89-R-62	1.3	0.99	104	<3	178	<3	9.65	1.6	10	44	37	2.17	1.35	1.32	375	2	0.02	142	0.10	26	<3	<5	<2	4	831	<5	<3	106
CH-89-R-63	1.1	0.33	20	<3	92	<3	9.51	0.7	7	96	25	1.66	1.36	1.64	393	3	0.01	86	0.04	19	<3	<5	<2	3	1377	<5	<3	74
CH-89-R-64	1.4	0.17	1095	<3	50	<3	4.86	0.1	17	128	7	2.00	0.72	0.33	271	2	0.01	120	0.02	18	<3	<5	<2	2	503	<5	<3	219
CH-89-R-65	1.3	0.27	116	<3	90	<3	>10.00	1.1	6	39	27	1.53	1.80	0.83	393	1	0.01	71	0.06	21	<3	<5	<2	2	1515	<5	<3	148
CH-89-R-66	0.6	2.64	23	<3	350	<3	2.40	1.2	17	17	10	3.88	0.47	2.11	499	4	0.04	99	0.29	41	<3	<5	<2	6	355	<5	<3	161
CH-89-R-67	0.9	0.12	217	<3	131	<3	3.06	4.4	4	193	5	1.17	0.44	0.37	190	5	0.01	62	0.02	22	<3	<5	<2	2	373	<5	<3	186
CH-89-R-68	6.0	0.38	195	<3	109	<3	9.58	979.6	11	50	97	1.81	1.34	1.57	478	8	0.01	129	0.07	206	<3	<5	<2	4	977	<5	<3	>20000
CH-89-R-69	1.5	0.25	414	<3	117	<3	8.46	12.9	9	55	33	2.02	1.20	0.97	401	1	0.01	123	0.05	27	<3	<5	<2	3	915	<5	<3	472
CH-89-R-70	4.2	0.26	154	<3	113	<3	>10.00	14.4	4	87	22	1.32	1.50	0.81	381	2	0.01	66	0.05	536	<3	<5	<2	3	1321	<5	<3	487
CH-89-R-71	0.4	0.19	33	<3	174	<3	1.13	8.6	3	78	6	0.55	0.17	0.24	67	<1	0.01	31	0.01	55	<3	<5	<2	2	163	<5	<3	213
CH-89-R-72	1.2	0.40	188	<3	142	<3	7.60	2.1	9	39	34	1.89	1.09	1.26	330	1	0.01	117	0.06	34	<3	<5	<2	3	922	<5	<3	196
CH-89-R-73	1.3	0.37	136	<3	116	<3	9.56	8.1	7	63	29	1.77	1.35	0.72	352	1	0.01	96	0.06	121	<3	<5	<2	3	1184	<5	<3	316
CH-89-R-74	>50.0	0.46	207	11	119	<3	6.24	264.1	7	132	34	2.00	0.92	0.67	262	6	0.01	85	0.05	9774	<3	<5	<2	3	762	<5	<3	6198
CH-89-R-75	1.8	0.35	246	<3	128	<3	9.60	10.3	7	54	31	1.99	1.35	0.41	427	2	0.01	145	0.08	384	<3	<5	<2	2	958	<5	<3	407
CH-89-R-76	>50.0	0.13	973	25	51	<3	0.54	81.1	10	182	98	6.00	0.28	0.07	124	10	0.01	74	0.01	14326	<3	<5	<2	12	84	<5	<3	3111
CH-89-R-77	4.5	0.20	285	<3	106	<3	6.70	4.8	4	73	65	1.25	0.95	0.29	284	1	0.01	94	0.04	304	<3	<5	<2	2	841	<5	<3	174
CH-89-R-78	0.7	0.34	479	<3	169	<3	3.01	2.4	11	110	11	2.10	0.48	0.29	193	3	0.01	205	0.05	87	<3	<5	<2	3	307	<5	<3	201
CH-89-R-79	1.9	0.29	1124	<3	253	<3	9.87	12.5	6	48	33	1.62	1.39	0.39	359	1	0.01	75	0.05	148	<3	<5	<2	3	1157	<5	<3	193
Minimum Detection	0.1	0.01	3	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	3	5	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	100	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	100	100	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
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BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: **ASHWORTH EXPLORATION LTD.**
ADDRESS: 1010 - 789 W. Pender Street
: Vancouver, B.C.
: V6C 1H2

DATE: Jan 16 1989
REPORT#: **890004 GA**
JOB#: 890004

PROJECT#: 259
SAMPLES ARRIVED: Jan 03 1989
REPORT COMPLETED: Jan 16 1989
ANALYSED FOR: Au ICP

INVOICE#: 890004 NA
TOTAL SAMPLES: 354
SAMPLE TYPE: SOILS
REJECTS: DISCARDED

SAMPLES FROM: ASHWORTH EXPLORATION LTD.
COPY SENT TO: ASHWORTH EXPLORATION LTD.

PREPARED FOR: MR. PETER LERICHE

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890004 GA JOB NUMBER: 890004 **ASHWORTH EXPLORATION LTD.**

SAMPLE #		Au ppb
CH88 L 0	0+00N	5
CH88 L 0	0+50N	nd
CH88 L 0	1+00N	5
CH88 L 0	1+50N	5
CH88 L 0	2+00N	10
CH88 L 0	2+50N	nd
CH88 L 0	3+00N	5
CH88 L 0	3+50N	nd
CH88 L 0	4+00N	nd
CH88 L 0	4+50N	5
CH88 L 0	5+00N	nd
CH88 L 0	0+50S	nd
CH88 L 0	1+00S	15
CH88 L 0	1+50S	5
CH88 L 0	2+00S	nd
CH88 L 0	2+50S	nd
CH88 L 0	3+00S	5
CH88 L 0	3+50S	5
CH88 L 0	4+00S	5
CH88 L 0	4+50S	5
CH88 L 0	5+00S	nd
CH88 L 0	5+50S	25
CH88 L 0	6+50S	nd
CH88 L 0	7+00S	15
CH88 L 0	7+50S	5
CH88 L 0	8+00S	nd
CH88 L 0	8+50S	5
CH88 L 0	9+00S	nd
CH88 L 0	9+50S	15
CH88 L 0	10+00S	10
CH88 L 1W	BL	5
CH88 L 1W	0+50N	5
CH88 L 1W	1+00N	5
CH88 L 1W	1+50N	nd
CH88 L 1W	2+00N	5
CH88 L 1W	2+50N	5
CH88 L 1W	3+00N	nd
CH88 L 1W	3+50N	5
CH88 L 1W	4+00N	nd
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

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SAMPLE #	Au ppb
CH88 L 1W 4+50N	nd
CH88 L 1W 5+00N	nd
CH88 L 1W 0+50S	5
CH88 L 1W 1+00S	5
CH88 L 1W 1+50S	5
CH88 L 1W 2+00S	5
CH88 L 1W 2+50S	nd
CH88 L 1W 3+00S	nd
CH88 L 1W 3+50S	nd
CH88 L 1W 4+00S	5
CH88 L 1W 4+50S	nd
CH88 L 1W 5+00S	nd
CH88 L 1W 5+50S	10
CH88 L 1W 6+00S	10
CH88 L 1W 6+50S	5
CH88 L 1W 7+00S	15
CH88 L 1W 7+50S	nd
CH88 L 1W 8+00S	10
CH88 L 1W 8+50S	5
CH88 L 1W 9+00S	nd
CH88 L 1W 9+50S	nd
CH88 L 1W 10+00S	10
CH88 L 2W BL	15
CH88 L 2W 0+50N	nd
CH88 L 2W 1+00N	30
CH88 L 2W 1+50N	5
CH88 L 2W 2+00N	5
CH88 L 2W 2+50N	5
CH88 L 2W 3+00N	5
CH88 L 2W 3+50N	15
CH88 L 2W 4+00N	10
CH88 L 2W 4+50N	nd
CH88 L 2W 5+00N	5
CH88 L 2W 0+50S	10
CH88 L 2W 1+00S	5
CH88 L 2W 1+50S	nd
CH88 L 2W 2+00S	5
CH88 L 2W 2+50S	nd
CH88 L 2W 3+00S	nd
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Au ppb
CH88 L 2W 3+50S	nd
CH88 L 2W 4+00S	nd
CH88 L 2W 4+50S	nd
CH88 L 2W 5+00S	nd
CH88 L 2W 5+50S	10
CH88 L 2W 6+00S	10
CH88 L 2W 6+50S	5
CH88 L 2W 7+00S	nd
CH88 L 2W 7+50S	5
CH88 L 2W 8+00S	nd
CH88 L 2W 8+50S	15
CH88 L 2W 9+00S	nd
CH88 L 2W 9+50S	nd
CH88 L 2W 10+00S	10
CH88 L 3W BL0+00N	nd
CH88 L 3W 0+50N	15
CH88 L 3W 1+00N	15
CH88 L 3W 1+50N	5
CH88 L 3W 2+00N	nd
CH88 L 3W 2+50N	5
CH88 L 3W 3+00N	5
CH88 L 3W 3+50N	5
CH88 L 3W 4+00N	5
CH88 L 3W 4+50N	5
CH88 L 3W 5+00N	10
CH88 L 3W BS-01	nd
CH88 L 3W 0+50S	nd
CH88 L 3W 1+00S	5
CH88 L 3W 1+50S	5
CH88 L 3W 2+00S	5
CH88 L 3W 2+50S	nd
CH88 L 3W 3+00S	nd
CH88 L 3W 3+50S	nd
CH88 L 3W 4+00S	10
CH88 L 3W 4+50S	5
CH88 L 3W 5+00S	nd
CH88 L 3W 5+50S	5
CH88 L 3W 6+00S	10
CH88 L 3W 6+50S	5
DETECTION LIMIT	5

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SAMPLE #	Au ppb
CH88 L 3W 7+00S	25
CH88 L 3W 7+50S	5
CH88 L 3W 8+00S	5
CH88 L 3W 8+50S	10
CH88 L 3W 9+00S	5
CH88 L 3W 9+50S	nd
CH88 L 3W 10+00S	nd
CH88 L 4W 0+00N	nd
CH88 L 4W 0+50N	10
CH88 L 4W 1+00N	nd
CH88 L 4W 1+50N	5
CH88 L 4W 2+00N	nd
CH88 L 4W 2+50N	5
CH88 L 4W 3+00N	5
CH88 L 4W 3+50N	5
CH88 L 4W 4+00N	nd
CH88 L 4W 4+50N	nd
CH88 L 4W 5+00N	5
CH88 L 4W 0+50S	nd
CH88 L 4W 1+00S	nd
CH88 L 4W 1+50S	nd
CH88 L 4W 2+00S	15
CH88 L 4W 2+50S	5
CH88 L 4W 3+00S	5
CH88 L 4W 3+50S	5
CH88 L 4W 4+00S	nd
CH88 L 4W 4+50S	5
CH88 L 4W 5+00S	5
CH88 L 4W 5+50S	10
CH88 L 4W 6+00S	5
CH88 L 4W 6+50S	20
CH88 L 4W 7+00S	5
CH88 L 4W 7+50S	10
CH88 L 4W 8+00S	nd
CH88 L 4W 8+50S	15
CH88 L 4W 9+00S	5
CH88 L 4W 9+50S	5
CH88 L 4W 10+00S	nd
CH88 L 5W BL	10
DETECTION LIMIT	5

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SAMPLE #	Au ppb
CH88 L 5W 0+50N	5
CH88 L 5W 1+00N	nd
CH88 L 5W 1+50N	20
CH88 L 5W 2+00N	5
CH88 L 5W 2+50N	5
CH88 L 5W 3+00N	5
CH88 L 5W 3+50N	nd
CH88 L 5W 4+00N	nd
CH88 L 5W 4+50N	10
CH88 L 5W 5+00N	5
CH88 L 5W 0+50S	5
CH88 L 5W 1+00S	nd
CH88 L 5W 1+50S	5
CH88 L 5W 2+00S	5
CH88 L 5W 2+50S	5
CH88 L 5W 3+00S	5
CH88 L 5W 3+50S	nd
CH88 L 5W 4+00S	10
CH88 L 5W 4+50S	nd
CH88 L 5W 5+00S	10
CH88 L 5W 5+50S	5
CH88 L 5W 6+00S	20
CH88 L 5W 6+50S	10
CH88 L 5W 7+00S	10
CH88 L 5W 7+50S	nd
CH88 L 5W 8+00S	nd
CH88 L 5W 8+50S	10
CH88 L 5W 9+00S	15
CH88 L 5W 9+50S	5
CH88 L 5W 10+00S	5
CH88 L 6W 0+50N	nd
CH88 L 6W 1+00N	5
CH88 L 6W 1+50N	nd
CH88 L 6W 2+00N	10
CH88 L 6W 2+50N	nd
CH88 L 6W 4+00N	5
CH88 L 6W 4+50N	5
CH88 L 6W 5+00N	10
CH88 L 6W 0+00S	10
DETECTION LIMIT	5

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SAMPLE #	Au ppb
CH88 L 6W 0+50S	nd
CH88 L 6W 1+50S	30
CH88 L 6W 2+00S	nd
CH88 L 6W 2+50S	5
CH88 L 6W 3+00S	nd
CH88 L 6W 3+50S	10
CH88 L 6W 4+00S	nd
CH88 L 6W 4+50S	nd
CH88 L 6W 5+00S	5
CH88 L 6W 5+50S	5
CH88 L 6W 6+00S	5
CH88 L 6W 6+50S	25
CH88 L 6W 7+00S	nd
CH88 L 6W 7+50S	5
CH88 L 6W 8+00S	nd
CH88 L 6W 8+50S	5
CH88 L 6W 9+00S	nd
CH88 L 6W 9+50S	10
CH88 L 6W 10+00S	5
CH88 L 7W BL	10
CH88 L 7W 0+50N	nd
CH88 L 7W 1+00N	5
CH88 L 7W 1+50N	5
CH88 L 7W 2+00N	10
CH88 L 7W 2+50N	5
CH88 L 7W 3+00N	5
CH88 L 7W 3+50N	5
CH88 L 7W 4+00N	5
CH88 L 7W 4+50N	5
CH88 L 7W 5+00N	10
CH88 L 7W 0+50S	10
CH88 L 7W 1+00S	10
CH88 L 7W 1+50S	nd
CH88 L 7W 2+00S	10
CH88 L 7W 2+50S	nd
CH88 L 7W 3+00S	nd
CH88 L 7W 3+50S	nd
CH88 L 7W 4+00S	nd
CH88 L 7W 4+50S	15
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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RENO, NEVADA, U.S.A.

SAMPLE #	Au ppb
CH88 L 7W 5+00S	10
CH88 L 7W 5+50S	35
CH88 L 7W 6+00S	nd
CH88 L 7W 6+50S	10
CH88 L 7W 7+00S	10
CH88 L 7W 7+50S	5
CH88 L 7W 8+00S	10
CH88 L 7W 8+50S	15
CH88 L 7W 9+00S	10
CH88 L 7W 9+50S	5
CH88 L 7W 10+00S	10
CH88 L 9W BS-02	nd
CH88 L 9W 0+00S	5
CH88 L 9W 0+50S	10
CH88 L 9W 1+00S	10
CH88 L 9W 1+50S	5
CH88 L 9W 2+00S	10
CH88 L 9W 2+50S	nd
CH88 L 9W 3+00S	nd
CH88 L 9W 3+50S	5
CH88 L 9W 4+00S	nd
CH88 L 9W 4+50S	5
CH88 L 9W 5+00S	15
CH88 L 9W 5+50S	10
CH88 L 9W 6+00S	15
CH88 L 9W 6+50S	10
CH88 L 9W 7+00S	5
CH88 L 9W 7+50S	15
CH88 L 9W 8+00S	5
CH88 L 9W 8+50S	15
CH88 L 9W 9+00S	10
CH88 L 9W 10+00S	nd
CH88 L10W BL	10
CH88 L10W 0+50S	nd
CH88 L10W 1+00S	25
CH88 L10W 1+50S	20
CH88 L10W 2+00S	10
CH88 L10W 2+50S	10
CH88 L10W 3+00S	10
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #		Au ppb
CH88 L10W	3+50S	5
CH88 L10W	4+00S	10
CH88 L10W	4+50S	5
CH88 L10W	5+00S	10
CH88 L10W	5+50S	5
CH88 L10W	6+00S	15
CH88 L10W	6+50S	10
CH88 L10W	7+00S	5
CH88 L10W	7+50S	nd
CH88 L10W	8+00S	5
CH88 L10W	8+50S	nd
CH88 L10W	9+00S	10
CH88 L10W	9+50S	5
CH88 L10W	10+00S	15
CH88 L11W	BL	nd
CH88 L11W	0+50S	nd
CH88 L11W	1+00S	nd
CH88 L11W	1+50S	30
CH88 L11W	2+00S	5
CH88 L11W	2+50S	nd
CH88 L11W	3+00S	nd
CH88 L11W	3+50S	5
CH88 L11W	4+00S	5
CH88 L11W	4+50S	15
CH88 L11W	5+00S	10
CH88 L11W	5+50S	15
CH88 L11W	6+00S	15
CH88 L11W	6+50S	5
CH88 L11W	7+00S	nd
CH88 L11W	7+50S	5
CH88 L11W	8+00S	10
CH88 L11W	8+50S	15
CH88 L11W	9+00S	20
CH88 L11W	9+50S	5
CH88 L11W	10+00S	10
CH88 L12W	0+00S	5
CH88 L12W	0+50S	25
CH88 L12W	1+00S	nd
CH88 L12W	1+50S	10
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #		Au ppb
CH88 L12W	2+00S	5
CH88 L12W	2+50S	nd
CH88 L12W	3+00S	10
CH88 L12W	3+50S	5
CH88 L12W	4+00S	nd
CH88 L12W	4+50S	10
CH88 L12W	5+00S	10
CH88 L12W	5+50S	5
CH88 L12W	6+00S	5
CH88 L12W	6+50S	nd
CH88 L12W	7+00S	10
CH88 L12W	7+50S	nd
CH88 L12W	8+00S	nd
CH88 L12W	8+50S	10
CH88 L12W	9+00S	20
CH88 L12W	9+50S	nd
CH88 L12W	10+00S	10
CH88 L13W	0+50N	nd
CH88 L13W	1+00N	nd
CH88 L13W	1+50N	10
CH88 L13W	2+00N	5
CH88 L13W	0+00S	10
CH88 L13W	0+50S	10
CH88 L13W	1+00S	nd
CH88 L13W	1+50S	5
CH88 L13W	2+00S	5
CH88 L13W	2+50S	10
CH88 L13W	3+00S	10
CH88 L13W	3+50S	nd
CH88 L13W	4+00S	nd
CH88 L13W	4+50S	10
CH88 L13W	5+00S	5
CH88 L13W	5+50S	nd
CH88 L13W	6+00S	5
CH88 L13W	6+50S	10
CH88 L13W	7+00S	10
CH88 L13W	7+50S	5
CH88 L13W	8+00S	10
CH88 L13W	8+50S	nd
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Au ppb
CH88 L13W 9+00S	5
CH88 L13W 9+50S	10
CH88 L13W 10+00S	5

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1988 TRIUMPH STREET, VANCOUVER B.C. V5L 1K5 PH:(604)251-5656 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA STREET, VANCOUVER B.C. V5L 1L6 PH:(604)251-7282 FAX:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: ASHWORTH EXPL
ATTENTION: P LERICHE
PROJECT: 259

REPORT#: 890004 PA
JOB#: 890004
INVOICE#: 890004 NA

DATE RECEIVED: 89/01/03
DATE COMPLETED: 89/01/19
COPY SENT TO:

ANALYST

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
CH88 L0 0+00N	.4	3.17	16	ND	302	ND	.38	1.1	9	14	25	1.88	.15	.32	2154	3	.01	23	.41	38	ND	ND	ND	3	53	ND	ND	233
CH88 L0 0+50N	.4	2.21	23	ND	116	ND	.22	.9	10	21	37	2.37	.14	.59	447	2	.02	27	.08	30	ND	ND	ND	2	35	ND	ND	139
CH88 L0 1+00N	.3	2.05	19	ND	100	ND	.21	.6	10	21	33	2.25	.13	.58	353	2	.02	24	.04	29	ND	ND	ND	2	34	ND	ND	136
CH88 L0 1+50N	1.1	3.88	40	ND	197	ND	.31	.8	16	21	41	2.67	.16	.53	357	2	.04	31	.06	45	ND	ND	ND	3	41	ND	ND	163
CH88 L0 2+00N	.9	2.20	36	ND	138	ND	.16	1.8	13	27	63	2.88	.15	.63	256	3	.02	42	.07	34	ND	ND	ND	3	27	ND	ND	237
CH88 L0 2+50N	1.1	3.23	43	ND	148	ND	.40	1.3	22	57	92	3.04	.16	.90	359	2	.02	76	.09	38	ND	ND	ND	4	52	ND	ND	172
CH88 L0 3+00N	.9	2.08	26	ND	153	ND	.23	2.1	14	25	58	2.40	.11	.60	743	3	.02	39	.08	30	ND	ND	ND	2	32	ND	ND	238
CH88 L0 3+50N	.3	1.52	17	ND	81	ND	.16	.6	9	22	35	2.07	.09	.58	306	2	.02	27	.05	23	ND	ND	ND	2	24	ND	ND	167
CH88 L0 4+00N	.4	1.47	20	ND	73	ND	.14	1.5	10	24	49	2.46	.13	.67	226	3	.01	33	.06	24	ND	ND	ND	2	25	ND	ND	261
CH88 L0 4+50N	.9	2.58	19	ND	186	ND	.30	3.1	14	17	50	2.35	.12	.47	459	3	.01	52	.11	30	ND	ND	ND	2	43	ND	ND	451
CH88 L0 5+00N	.9	3.04	29	ND	190	ND	.29	5.4	14	20	61	3.06	.14	.54	391	6	.01	71	.08	35	ND	ND	ND	2	37	ND	ND	739
CH88 L0 0+50S	.6	3.33	19	ND	297	ND	.49	1.5	13	20	67	2.82	.17	.61	1430	2	.04	25	.09	55	ND	ND	ND	3	89	ND	ND	184
CH88 L0 1+00S	1.2	2.68	44	ND	151	ND	2.11	1.2	15	32	84	3.33	.41	1.19	936	2	.03	31	.13	49	ND	ND	ND	3	141	ND	ND	155
CH88 L0 1+50S	.1	2.11	9	ND	370	ND	.57	1.3	8	13	23	1.79	.14	.39	1746	1	.02	17	.30	36	ND	ND	ND	2	109	ND	ND	238
CH88 L0 2+00S	.1	1.62	5	ND	66	ND	.40	.1	6	4	16	.94	.10	.18	207	ND	.02	10	.26	22	ND	ND	ND	2	63	ND	ND	73
CH88 L0 2+50S	.6	2.27	27	ND	96	ND	.37	.4	11	18	29	2.02	.12	.52	305	1	.03	19	.08	36	ND	ND	ND	3	67	ND	ND	96
CH88 L0 3+00S	.3	2.39	46	ND	244	ND	.91	1.1	12	16	35	3.46	.23	.66	1215	1	.04	17	.14	47	ND	ND	ND	2	101	ND	ND	111
CH88 L0 3+50S	.5	2.42	19	ND	125	ND	.28	.5	8	16	24	1.84	.10	.45	448	1	.02	24	.13	28	ND	ND	ND	3	35	ND	ND	146
CH88 L0 4+00S	.1	2.26	13	ND	107	ND	.18	.5	7	11	17	1.42	.07	.30	208	1	.02	20	.19	25	ND	ND	ND	2	29	ND	ND	163
CH88 L0 4+50S	.3	1.69	18	ND	103	ND	.26	.8	12	32	39	2.42	.11	.80	474	1	.03	34	.07	27	ND	ND	ND	3	32	ND	ND	108
CH88 L0 5+00S	.5	1.34	27	ND	70	ND	.53	1.3	11	31	40	2.56	.17	.82	599	3	.02	62	.11	29	ND	ND	ND	2	28	ND	ND	140
CH88 L0 5+50S	.6	1.57	30	ND	82	ND	.37	1.3	14	34	50	2.71	.13	.94	558	2	.02	48	.10	29	ND	ND	ND	3	34	ND	ND	143
CH88 L0 6+50S	.5	1.56	30	ND	64	ND	.75	1.2	13	30	57	2.78	.20	.92	491	2	.02	38	.08	27	ND	ND	ND	3	50	ND	ND	124
CH88 L0 7+00S	.6	1.50	29	ND	71	ND	1.66	1.1	11	27	52	2.38	.27	.81	467	2	.02	35	.09	26	ND	ND	ND	2	63	ND	ND	121
CH88 L0 7+50S	.5	2.84	24	ND	109	ND	.43	.5	11	18	44	2.31	.13	.66	432	1	.02	26	.13	29	ND	ND	ND	3	30	ND	ND	100
CH88 L0 8+00S	.5	3.71	24	ND	119	ND	.28	.5	11	16	25	2.12	.12	.47	492	2	.02	27	.19	34	ND	ND	ND	3	26	ND	ND	136
CH88 L0 8+50S	.5	3.28	24	ND	121	ND	.32	.3	8	13	24	1.58	.11	.35	461	1	.02	26	.22	31	ND	ND	ND	3	27	ND	ND	105
CH88 L0 9+00S	1.5	2.62	83	ND	131	3	.81	1.3	22	50	76	4.08	.23	1.34	628	3	.03	68	.06	42	ND	ND	ND	4	90	ND	ND	137
CH88 L0 9+50S	.4	2.12	18	ND	166	ND	.24	.5	11	34	24	2.11	.12	.56	386	1	.01	62	.05	27	ND	ND	ND	2	34	ND	ND	131
CH88 L0 10+00S	.4	3.19	25	ND	203	ND	.21	.1	10	23	23	2.01	.09	.42	282	1	.02	50	.08	31	ND	ND	ND	3	45	ND	ND	110
CH88 L1W BL	.1	2.06	5	ND	104	ND	.20	.1	7	17	17	1.76	.10	.44	361	1	.02	17	.04	25	ND	ND	ND	3	32	ND	ND	125
CH88 L1W 0+50N	.4	2.33	19	ND	137	ND	.29	.5	10	26	26	2.11	.12	.65	513	1	.02	27	.07	29	ND	ND	ND	3	42	ND	ND	151
CH88 L1W 1+00N	.1	2.14	15	ND	102	ND	.22	.9	10	21	30	2.13	.11	.52	534	1	.01	27	.07	29	ND	ND	ND	2	37	ND	ND	171
CH88 L1W 1+50N	.4	2.85	40	ND	248	ND	.36	1.8	17	26	37	3.31	.15	.79	1558	2	.03	23	.15	43	ND	ND	ND	3	45	ND	ND	182
CH88 L1W 2+00N	.1	1.95	13	ND	137	ND	.16	.8	8	17	20	1.72	.09	.43	576	1	.01	21	.05	24	ND	ND	ND	2	23	ND	ND	196
CH88 L1W 2+50N	.1	1.82	10	ND	105	ND	.16	.5	9	20	28	1.88	.08	.49	311	1	.02	26	.05	24	ND	ND	ND	2	23	ND	ND	139
CH88 L1W 3+00N	.1	2.49	28	ND	223	ND	.31	.9	17	27	42	2.26	.11	.55	931	2	.01	45	.10	28	ND	ND	ND	3	40	ND	ND	178
CH88 L1W 3+50N	.1	2.31	15	ND	154	ND	.17	.4	9	15	21	1.60	.07	.39	346	1	.01	36	.14	25	ND	ND	ND	3	37	ND	ND	226
CH88 L1W 4+00N	.1	1.55	13	ND	101	ND	.19	.8	9	20	26	2.00	.10	.56	394	2	.02	26	.07	22	ND	ND	ND	2	28	ND	ND	150
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

CLIENT: ASHWORTH EXPL JOB#: 890004 PROJECT: 259 REPORT: 890004 PA

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CD PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
CH88 L1W 4+50N	.4	2.91	33	ND	197	ND	.39	2.1	25	26	70	2.36	.14	.53	1026	3	.01	76	.22	38	ND	ND	ND	3	70	ND	ND	267
CH88 L1W 5+00N	.1	2.41	15	ND	189	ND	.19	1.1	10	19	28	1.87	.12	.43	436	2	.01	34	.07	29	ND	ND	ND	3	36	ND	ND	253
CH88 L1W 0+50S	.1	2.68	5	ND	456	ND	.78	1.1	9	12	25	1.92	.18	.39	1198	1	.02	19	.34	42	ND	ND	ND	3	139	ND	ND	172
CH88 L1W 1+00S	.5	2.82	22	ND	220	ND	1.01	.8	12	14	43	2.79	.26	.67	1267	2	.04	20	.11	55	ND	ND	ND	3	93	ND	ND	138
CH88 L1W 1+50S	.1	2.67	8	ND	119	ND	.30	.1	7	10	17	1.41	.11	.28	317	1	.02	25	.09	28	ND	ND	ND	3	47	ND	ND	122
CH88 L1W 2+00S	.1	1.81	13	ND	120	ND	.29	.8	10	28	30	2.29	.12	.71	570	1	.02	31	.05	27	ND	ND	ND	3	43	ND	ND	134
CH88 L1W 2+50S	.1	1.18	26	ND	68	ND	.36	1.1	11	24	30	2.21	.12	.63	492	2	.02	32	.12	24	ND	ND	ND	2	35	ND	ND	134
CH88 L1W 3+00S	.1	1.04	26	ND	53	ND	.63	1.1	10	23	33	2.19	.18	.68	420	2	.02	35	.12	24	ND	ND	ND	2	50	ND	ND	118
CH88 L1W 3+50S	.3	1.07	23	ND	54	ND	.36	1.1	11	25	36	2.26	.15	.72	429	2	.02	34	.13	25	ND	ND	ND	2	35	ND	ND	127
CH88 L1W 4+00S	.1	1.26	32	ND	64	ND	.32	1.6	13	30	42	2.52	.13	.76	554	3	.02	40	.14	27	ND	ND	ND	3	32	ND	ND	138
CH88 L1W 4+50S	.1	2.65	38	ND	93	ND	.26	.5	13	25	44	2.76	.15	.83	256	2	.01	30	.04	28	ND	ND	ND	3	27	ND	ND	104
CH88 L1W 5+00S	1.1	2.63	60	ND	75	5	2.90	1.3	24	37	105	3.97	.52	1.54	670	3	.01	42	.08	34	ND	ND	ND	4	83	ND	ND	164
CH88 L1W 5+50S	.4	3.67	27	ND	127	ND	.38	.1	11	15	33	2.12	.14	.48	320	1	.02	26	.15	32	ND	ND	ND	4	30	ND	ND	113
CH88 L1W 6+00S	.5	3.22	45	ND	127	3	.35	.8	19	32	56	3.39	.16	1.16	537	2	.01	39	.05	36	ND	ND	ND	4	32	ND	ND	136
CH88 L1W 6+50S	1.1	2.54	45	ND	74	3	.97	1.3	19	35	91	3.76	.25	1.26	560	2	.02	41	.07	36	ND	ND	ND	4	41	ND	ND	130
CH88 L1W 7+00S	1.1	2.52	44	ND	81	3	2.30	1.2	18	32	87	3.41	.40	1.20	627	2	.02	38	.10	31	ND	ND	ND	4	68	ND	ND	122
CH88 L1W 7+50S	.4	2.80	23	ND	145	ND	.44	.3	11	17	35	2.14	.13	.54	644	1	.02	21	.13	33	ND	ND	ND	3	32	ND	ND	115
CH88 L1W 8+00S	.1	2.71	22	ND	110	ND	.24	.1	11	14	20	1.84	.09	.44	531	1	.01	23	.12	27	ND	ND	ND	3	22	ND	ND	132
CH88 L1W 8+50S	.1	2.87	21	ND	118	ND	.24	.4	11	15	20	1.89	.09	.45	585	1	.01	25	.12	30	ND	ND	ND	4	22	ND	ND	135
CH88 L1W 9+00S	.1	2.81	26	ND	111	ND	.39	.3	12	20	41	2.41	.15	.71	480	2	.01	24	.09	30	ND	ND	ND	4	27	ND	ND	103
CH88 L1W 9+50S	.3	2.34	24	ND	107	ND	.28	.5	12	26	45	2.34	.11	.67	450	2	.02	66	.11	29	ND	ND	ND	3	28	ND	ND	106
CH88 L1W 10+00S	2.2	2.07	43	ND	101	ND	2.46	1.5	16	50	89	3.41	.41	1.06	401	2	.02	142	.07	31	ND	ND	ND	3	107	ND	ND	133
CH88 L2W BL	.5	2.13	38	ND	114	ND	.62	1.1	12	29	46	2.64	.16	.76	775	2	.03	38	.06	50	ND	ND	ND	3	74	ND	ND	137
CH88 L2W 0+50N	.1	2.16	27	ND	144	ND	.25	.4	7	15	20	1.84	.09	.39	730	1	.01	23	.06	30	ND	ND	ND	3	38	ND	ND	177
CH88 L2W 1+00N	1.8	2.86	102	ND	89	ND	.31	1.2	10	29	76	3.57	.16	.78	374	3	.03	37	.09	75	ND	ND	ND	3	41	ND	ND	168
CH88 L2W 1+50N	2.2	2.41	59	ND	104	3	.86	3.4	16	38	99	3.63	.22	.89	597	4	.01	53	.09	40	ND	ND	ND	3	58	ND	ND	325
CH88 L2W 2+00N	.5	2.25	26	ND	118	ND	.33	1.1	12	26	46	2.61	.15	.68	670	2	.03	31	.06	34	ND	ND	ND	3	40	ND	ND	174
CH88 L2W 2+50N	.1	2.70	21	ND	213	ND	.28	.8	9	16	25	1.78	.09	.42	860	2	.01	33	.13	32	ND	ND	ND	3	41	ND	ND	242
CH88 L2W 3+00N	.1	2.01	11	ND	188	ND	.21	1.7	10	21	33	1.93	.11	.46	871	2	.01	32	.10	25	ND	ND	ND	3	32	ND	ND	285
CH88 L2W 3+50N	.1	1.58	3	ND	148	ND	.26	1.3	8	21	25	1.78	.11	.50	749	1	.01	23	.08	24	ND	ND	ND	3	41	ND	ND	195
CH88 L2W 4+00N	.1	2.08	9	ND	172	ND	.22	.5	9	19	23	1.79	.08	.44	774	1	.01	29	.10	25	ND	ND	ND	3	37	ND	ND	192
CH88 L2W 4+50N	.1	1.77	8	ND	165	ND	.17	.6	7	17	18	1.54	.07	.43	711	1	.01	22	.07	22	ND	ND	ND	2	29	ND	ND	226
CH88 L2W 5+00N	.5	2.30	22	ND	137	ND	.26	2.5	11	21	41	2.01	.09	.48	473	2	.01	36	.11	28	ND	ND	ND	3	45	ND	ND	273
CH88 L2W 0+50S	.4	2.94	45	ND	259	ND	.77	1.3	12	12	28	2.86	.19	.49	1742	2	.04	15	.10	78	ND	ND	ND	3	126	ND	ND	180
CH88 L2W 1+00S	.1	2.11	12	ND	168	ND	.29	.6	9	22	25	1.90	.09	.54	502	1	.01	27	.09	27	ND	ND	ND	3	49	ND	ND	167
CH88 L2W 1+50S	.5	1.87	22	ND	110	ND	1.57	1.1	13	31	47	2.44	.28	.92	560	2	.03	36	.10	28	ND	ND	ND	3	112	ND	ND	129
CH88 L2W 2+00S	.1	1.11	26	ND	58	ND	.55	1.3	10	23	28	2.25	.15	.70	569	2	.01	31	.13	29	ND	ND	ND	2	47	ND	ND	156
CH88 L2W 2+50S	.1	2.07	33	ND	66	ND	.23	.6	15	30	51	3.05	.12	.94	293	2	.01	33	.06	27	ND	ND	ND	4	21	ND	ND	123
CH88 L2W 3+00S	.1	3.05	15	ND	98	ND	.19	.1	7	10	16	1.39	.06	.25	361	1	.02	22	.20	28	ND	ND	ND	3	28	ND	ND	107
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

CLIENT: ASHWORTH EXPL JOB#: 890004 PROJECT: 259 REPORT: 890004 PA

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
CH88 L2W 3+50S	1.1	2.25	17	ND	134	ND	.32	20.2	11	20	39	1.94	.11	.48	565	3	.01	24	.16	202	ND	ND	ND	3	54	ND	ND	3519
CH88 L2W 4+00S	.1	2.02	8	ND	188	ND	.32	2.2	9	16	18	1.62	.10	.40	1153	2	.01	26	.17	41	ND	ND	ND	3	62	ND	ND	474
CH88 L2W 4+50S	.3	2.33	15	ND	138	ND	.17	.6	9	21	25	1.89	.09	.53	414	2	.01	25	.12	31	ND	ND	ND	3	23	ND	ND	170
CH88 L2W 5+00S	.3	3.49	14	ND	126	ND	.15	.4	9	12	24	1.83	.08	.36	501	2	.02	20	.20	32	ND	ND	ND	3	19	ND	ND	141
CH88 L2W 5+50S	1.1	2.29	40	ND	75	3	.93	1.1	18	30	79	3.42	.25	1.23	609	3	.02	37	.09	34	ND	ND	ND	4	52	ND	ND	137
CH88 L2W 6+00S	.4	3.49	35	ND	173	ND	.21	.4	11	19	28	2.15	.10	.52	612	2	.02	34	.25	34	ND	ND	ND	3	25	ND	ND	150
CH88 L2W 6+50S	.3	2.03	11	ND	107	ND	.28	.1	10	26	26	2.01	.11	.60	342	2	.02	33	.04	27	ND	ND	ND	3	34	ND	ND	103
CH88 L2W 7+00S	.3	2.38	20	ND	102	ND	.28	.5	13	23	41	2.66	.13	.87	417	2	.01	28	.08	28	ND	ND	ND	3	22	ND	ND	113
CH88 L2W 7+50S	.4	3.85	10	ND	89	ND	.16	.1	9	10	24	1.71	.08	.31	272	1	.02	18	.14	31	ND	ND	ND	3	18	ND	ND	79
CH88 L2W 8+00S	.4	1.84	18	ND	60	ND	5.19	.6	12	18	56	2.37	.76	.94	398	2	.02	20	.06	24	ND	ND	ND	3	98	ND	ND	92
CH88 L2W 8+50S	.3	2.53	17	ND	84	ND	.43	.4	13	21	45	2.63	.15	.90	447	2	.01	23	.06	26	ND	ND	ND	4	24	ND	ND	103
CH88 L2W 9+00S	.1	3.12	16	ND	140	ND	.20	.3	13	17	26	2.32	.11	.63	799	2	.01	26	.07	28	ND	ND	ND	3	18	ND	ND	100
CH88 L2W 9+50S	.4	3.91	12	ND	111	ND	.20	.1	9	9	21	1.68	.09	.29	404	1	.02	19	.14	29	ND	ND	ND	3	19	ND	ND	103
CH88 L2W 10+00S	.3	4.05	13	ND	110	ND	.20	.1	8	8	21	1.59	.08	.26	427	1	.03	18	.13	29	ND	ND	ND	3	20	ND	ND	96
CH88 L3WBL0+00N	.5	3.55	57	ND	159	ND	.40	.1	12	11	29	2.23	.14	.40	637	1	.04	18	.09	50	ND	ND	ND	2	83	ND	ND	124
CH88 L3W 0+50N	1.1	3.27	89	ND	163	ND	.52	1.4	13	34	38	3.56	.20	.95	920	2	.04	19	.08	64	ND	ND	ND	2	93	ND	ND	221
CH88 L3W 1+00N	.4	2.16	23	ND	120	ND	.22	.4	9	23	33	2.02	.11	.51	561	2	.03	22	.07	34	ND	ND	ND	2	43	ND	ND	135
CH88 L3W 1+50N	.2	2.08	5	ND	129	ND	.18	.3	7	17	15	1.56	.08	.42	393	1	.02	20	.05	29	ND	ND	ND	3	30	ND	ND	144
CH88 L3W 2+00N	1.1	3.03	39	ND	114	ND	.55	1.1	12	33	56	3.21	.19	.83	661	2	.03	29	.07	44	ND	ND	ND	3	66	ND	ND	153
CH88 L3W 2+50N	.5	2.61	89	ND	83	ND	.28	.6	10	23	39	3.79	.17	.74	415	2	.05	22	.07	35	ND	ND	ND	2	36	ND	ND	131
CH88 L3W 3+00N	3.6	2.53	41	ND	91	ND	.31	1.5	16	45	84	3.28	.16	.95	452	3	.02	70	.05	49	ND	ND	ND	3	45	ND	ND	206
CH88 L3W 3+50N	.3	2.47	ND	ND	112	ND	.18	.6	9	17	30	1.81	.09	.42	291	2	.02	34	.07	25	ND	ND	ND	2	32	ND	ND	175
CH88 L3W 4+00N	.4	2.47	ND	ND	148	ND	.16	1.2	9	18	26	1.82	.09	.43	308	2	.01	34	.09	27	ND	ND	ND	2	36	ND	ND	296
CH88 L3W 4+50N	1.1	3.53	15	ND	168	ND	.13	2.1	10	21	57	2.34	.10	.52	184	3	.01	52	.19	36	ND	ND	ND	2	36	ND	ND	508
CH88 L3W 5+00N	.3	2.57	6	ND	138	ND	.17	.3	9	18	27	1.85	.09	.46	227	2	.01	32	.07	26	ND	ND	ND	2	29	ND	ND	159
CH88 L3W BS-01	.2	.95	27	ND	52	ND	.43	.9	9	24	29	2.14	.13	.64	318	3	.02	30	.12	24	ND	ND	ND	2	38	ND	ND	120
CH88 L3W 0+50S	.2	1.21	22	ND	64	ND	.29	.6	11	27	33	2.32	.12	.75	316	2	.02	30	.11	21	ND	ND	ND	3	32	ND	ND	111
CH88 L3W 1+00S	.3	1.22	22	ND	70	ND	.46	1.2	12	30	37	2.37	.15	.81	495	3	.02	36	.10	25	ND	ND	ND	2	43	ND	ND	137
CH88 L3W 1+50S	.1	.96	26	ND	50	ND	.32	.8	10	24	33	2.24	.12	.64	448	2	.02	32	.12	25	ND	ND	ND	2	32	ND	ND	128
CH88 L3W 2+00S	.3	2.04	24	ND	60	ND	.28	.9	13	27	59	2.82	.14	1.06	358	3	.02	36	.05	27	ND	ND	ND	3	29	ND	ND	111
CH88 L3W 2+50S	.2	2.50	10	ND	125	ND	.15	.1	7	10	17	1.43	.07	.24	388	1	.01	17	.20	24	ND	ND	ND	3	27	ND	ND	151
CH88 L3W 3+00S	.5	3.14	10	ND	143	ND	.15	.1	9	15	26	1.88	.09	.44	503	2	.01	25	.18	27	ND	ND	ND	3	21	ND	ND	137
CH88 L3W 3+50S	.1	2.15	4	ND	119	ND	.17	.1	9	17	22	1.70	.08	.44	365	1	.02	23	.08	23	ND	ND	ND	3	22	ND	ND	102
CH88 L3W 4+00S	.1	1.70	ND	ND	79	ND	.18	.3	10	25	26	2.02	.10	.68	199	2	.02	24	.05	21	ND	ND	ND	3	20	ND	ND	86
CH88 L3W 4+50S	.3	3.48	9	ND	168	ND	.14	.1	8	11	21	1.52	.07	.24	224	1	.02	47	.19	25	ND	ND	ND	2	21	ND	ND	112
CH88 L3W 5+00S	.2	3.75	16	ND	98	ND	.12	.1	9	12	23	1.81	.08	.33	283	1	.01	34	.16	26	ND	ND	ND	3	25	ND	ND	96
CH88 L3W 5+50S	1.1	2.17	30	ND	186	ND	2.29	1.6	21	82	64	3.69	.44	1.06	530	5	.01	172	.05	26	ND	ND	ND	2	181	ND	ND	156
CH88 L3W 6+00S	.2	3.22	10	ND	180	ND	.34	.9	19	69	36	3.06	.16	.96	224	4	.01	177	.03	28	ND	ND	ND	2	66	ND	ND	131
CH88 L3W 6+50S	.3	2.60	13	ND	129	ND	.15	.1	9	19	17	1.68	.08	.43	388	1	.02	45	.16	25	ND	ND	ND	3	31	ND	ND	120
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

CLIENT: ASHWORTH EXPL JOB#: 890004 PROJECT: 259 REPORT: 890004 PA

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
CH88 L3W 7+00S	1.1	4.17	79	ND	176	6	.45	1.6	21	72	94	4.75	.23	1.66	466	3	.03	70	.04	46	ND	ND	ND	5	57	ND	ND	138
CH88 L3W 7+50S	.6	2.27	31	ND	67	ND	.27	.6	15	30	65	3.34	.15	1.30	357	2	.01	34	.03	28	ND	ND	ND	5	23	ND	ND	95
CH88 L3W 8+00S	.4	2.61	45	ND	146	3	.31	1.4	20	42	70	3.68	.17	1.15	739	2	.02	67	.09	32	ND	ND	ND	3	29	ND	ND	144
CH88 L3W 8+50S	.3	3.07	16	ND	107	ND	.20	.1	10	12	24	1.80	.09	.39	348	ND	.02	21	.09	28	ND	ND	ND	3	20	ND	ND	88
CH88 L3W 9+00S	.5	4.18	14	ND	128	ND	.15	.3	12	15	30	2.32	.12	.49	286	1	.02	24	.08	34	ND	ND	ND	3	17	ND	ND	80
CH88 L3W 9+50S	.3	4.18	16	ND	141	ND	.16	.1	9	10	22	1.85	.09	.32	632	1	.02	20	.16	31	ND	ND	ND	3	19	ND	ND	89
CH88 L3W 10+00S	.4	3.72	9	ND	130	ND	.14	.1	9	11	23	1.84	.08	.34	696	ND	.02	19	.18	28	ND	ND	ND	3	17	ND	ND	123
CH88 L4W 0+00N	.2	1.17	34	ND	58	ND	.44	.9	10	24	33	2.26	.14	.69	405	2	.03	32	.13	24	ND	ND	ND	2	39	ND	ND	121
CH88 L4W 0+50N	.1	2.45	21	ND	157	ND	.30	.3	14	13	36	2.77	.14	.45	594	1	.02	21	.17	25	ND	ND	ND	2	44	ND	ND	182
CH88 L4W 1+00N	.1	3.70	96	ND	173	ND	.33	.4	16	16	34	3.15	.16	.68	1097	2	.04	28	.10	44	ND	ND	ND	1	60	ND	ND	212
CH88 L4W 1+50N	.2	3.80	51	ND	202	ND	.25	.4	12	17	26	2.48	.12	.48	731	1	.03	23	.09	41	ND	ND	ND	3	58	ND	ND	154
CH88 L4W 2+00N	.6	1.93	44	ND	87	ND	.22	.5	8	18	28	2.16	.11	.55	415	1	.03	19	.05	146	ND	ND	ND	2	35	ND	ND	118
CH88 L4W 2+50N	.3	1.60	22	ND	69	ND	.19	.4	10	27	29	2.04	.10	.69	266	1	.04	23	.05	35	ND	ND	ND	4	37	ND	ND	113
CH88 L4W 3+00N	1.1	2.33	22	ND	96	ND	.71	1.5	13	33	66	2.88	.20	.84	529	2	.03	38	.09	32	ND	ND	ND	3	52	ND	ND	169
CH88 L4W 3+50N	.2	1.61	6	ND	85	ND	.22	.6	10	21	29	1.91	.10	.55	350	1	.03	24	.07	22	ND	ND	ND	3	32	ND	ND	132
CH88 L4W 4+00N	.1	1.86	ND	ND	83	ND	.19	.4	11	26	28	2.04	.10	.66	250	1	.04	24	.03	23	ND	ND	ND	3	27	ND	ND	101
CH88 L4W 4+50N	.3	2.47	3	ND	144	ND	.26	.9	14	23	41	2.44	.12	.60	529	1	.03	33	.05	28	ND	ND	ND	3	36	ND	ND	185
CH88 L4W 5+00N	.1	1.52	ND	ND	145	ND	.30	.6	10	25	25	1.92	.11	.60	689	1	.03	24	.09	21	ND	ND	ND	3	38	ND	ND	133
CH88 L4W 0+50S	.2	1.37	22	ND	104	ND	.70	1.4	13	30	37	2.44	.18	.82	646	2	.03	37	.11	28	ND	ND	ND	2	62	ND	ND	175
CH88 L4W 1+00S	.1	1.36	18	ND	64	ND	.20	.5	11	28	28	2.28	.11	.71	386	1	.02	32	.12	21	ND	ND	ND	2	24	ND	ND	124
CH88 L4W 1+50S	.3	3.04	3	ND	232	ND	.26	.1	6	10	19	1.36	.08	.18	526	1	.02	37	.66	26	ND	ND	ND	2	53	ND	ND	98
CH88 L4W 2+00S	.1	2.23	7	ND	98	ND	.15	.1	10	28	21	1.84	.08	.56	272	1	.01	40	.06	23	ND	ND	ND	3	25	ND	ND	161
CH88 L4W 2+50S	.1	2.50	4	ND	183	ND	.17	.1	8	14	16	1.49	.08	.33	715	1	.01	23	.29	23	ND	ND	ND	2	32	ND	ND	171
CH88 L4W 3+00S	.4	1.25	16	ND	55	ND	1.71	.5	10	25	39	2.22	.31	.80	386	1	.03	29	.11	21	ND	ND	ND	2	87	ND	ND	88
CH88 L4W 3+50S	1.1	3.40	21	ND	140	ND	.28	1.2	24	20	104	3.28	.13	.65	459	1	.03	69	.10	32	ND	ND	ND	3	39	ND	ND	208
CH88 L4W 4+00S	.5	3.02	14	ND	204	ND	.37	2.1	18	24	55	3.16	.16	.59	833	2	.01	67	.09	32	ND	ND	ND	2	52	ND	ND	352
CH88 L4W 4+50S	.5	3.79	20	ND	159	ND	.20	.1	17	11	65	1.96	.10	.36	249	ND	.03	30	.10	32	ND	ND	ND	3	35	ND	ND	105
CH88 L4W 5+00S	.6	2.41	31	ND	150	ND	.20	.8	13	27	49	2.64	.12	.62	317	2	.03	64	.06	33	ND	ND	ND	3	40	ND	ND	182
CH88 L4W 5+50S	1.1	3.57	14	ND	255	ND	.39	.8	18	38	63	3.04	.16	.84	318	1	.04	276	.02	38	ND	ND	ND	3	71	ND	ND	174
CH88 L4W 6+00S	.4	1.96	5	ND	110	ND	.15	.3	10	27	22	1.87	.09	.72	227	ND	.04	37	.02	24	ND	ND	ND	4	28	ND	ND	111
CH88 L4W 6+50S	1.1	2.20	106	ND	95	ND	.26	.8	14	55	67	3.28	.15	1.14	309	2	.04	69	.06	31	ND	ND	ND	4	43	ND	ND	132
CH88 L4W 7+00S	.4	.63	84	ND	64	ND	15.39	.4	7	11	38	1.27	2.09	.52	178	ND	.03	114	.09	25	ND	ND	ND	1	438	ND	ND	84
CH88 L4W 7+50S	1.1	2.67	21	ND	169	ND	.49	.4	11	30	30	2.20	.14	.66	171	1	.03	61	.03	28	ND	ND	ND	3	58	ND	ND	101
CH88 L4W 8+00S	.3	2.62	16	ND	197	ND	.21	.4	11	24	31	2.24	.11	.62	354	1	.02	42	.04	29	ND	ND	ND	4	33	ND	ND	100
CH88 L4W 8+50S	1.1	2.48	44	ND	90	3	.44	1.4	19	35	112	3.76	.19	1.24	535	2	.03	44	.04	31	ND	ND	ND	4	33	ND	ND	112
CH88 L4W 9+00S	.4	2.43	43	ND	81	ND	.33	.9	18	37	89	3.58	.17	1.14	391	2	.02	42	.03	28	ND	ND	ND	4	28	ND	ND	111
CH88 L4W 9+50S	.3	3.41	47	ND	142	ND	.39	.6	12	18	36	2.40	.14	.53	527	1	.02	27	.40	29	ND	ND	ND	3	33	ND	ND	142
CH88 L4W 10+00S	.3	2.98	33	ND	162	ND	.36	.6	16	26	50	2.98	.15	.98	503	1	.01	35	.09	30	ND	ND	ND	4	25	ND	ND	112
CH88 L5W BL	.4	1.51	32	ND	83	ND	.45	1.5	14	38	50	2.67	.13	.90	463	2	.03	45	.12	30	ND	ND	ND	3	46	ND	ND	177
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

CLIENT: ASHWORTH EIPL JOB#: 890004 PROJECT: 259 REPORT: 890004 PA

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
CH88 L5W 0+50N	.2	1.24	30	ND	72	ND	.24	1.3	12	31	36	2.62	.10	.76	492	3	.02	39	.10	26	ND	ND	ND	2	27	ND	ND	143
CH88 L5W 1+00N	.2	1.27	16	ND	116	ND	.40	2.1	10	31	31	2.49	.12	.84	940	2	.01	39	.12	27	ND	ND	ND	1	43	ND	ND	232
CH88 L5W 1+50N	.1	1.02	20	ND	62	ND	.19	.6	9	23	20	2.20	.10	.64	245	2	.01	28	.06	22	ND	ND	ND	2	22	ND	ND	133
CH88 L5W 2+00N	.2	2.15	26	ND	161	ND	1.12	1.5	14	31	48	2.55	.21	.83	1219	1	.01	24	.08	30	ND	ND	ND	2	206	ND	ND	191
CH88 L5W 2+50N	1.5	2.97	23	ND	179	ND	1.10	1.6	24	27	88	3.48	.23	.93	1269	1	.02	30	.13	72	ND	ND	ND	2	106	ND	ND	168
CH88 L5W 3+00N	.7	2.35	8	ND	144	ND	.55	.6	15	28	53	2.69	.14	.71	849	1	.03	24	.05	32	ND	ND	ND	2	72	ND	ND	137
CH88 L5W 3+50N	.3	2.01	ND	ND	168	ND	.26	.2	7	16	16	1.61	.08	.43	808	1	.02	18	.06	23	ND	ND	ND	2	40	ND	ND	153
CH88 L5W 4+00N	.3	1.64	8	ND	91	ND	.21	.3	9	21	35	1.99	.10	.59	381	1	.03	24	.04	24	ND	ND	ND	2	33	ND	ND	108
CH88 L5W 4+50N	.7	2.84	98	ND	146	ND	.30	1.1	15	19	70	2.47	.13	.57	793	1	.03	39	.16	36	ND	ND	ND	1	49	ND	ND	217
CH88 L5W 5+00N	.8	1.97	46	ND	66	ND	.24	.7	14	27	73	2.69	.13	.75	336	1	.02	34	.07	24	ND	ND	ND	2	32	ND	ND	122
CH88 L5W 0+50S	.3	1.12	19	ND	61	ND	.35	1.1	11	27	29	2.25	.11	.69	455	2	.02	32	.11	22	ND	ND	ND	1	40	ND	ND	141
CH88 L5W 1+00S	.2	1.27	16	ND	61	ND	.16	.3	9	22	34	2.24	.09	.71	241	1	.01	31	.07	21	ND	ND	ND	2	21	ND	ND	92
CH88 L5W 1+50S	.2	1.58	10	ND	76	ND	.22	.6	11	35	31	2.43	.12	.97	432	1	.02	33	.05	23	ND	ND	ND	3	26	ND	ND	121
CH88 L5W 2+00S	.2	1.14	12	ND	48	ND	.15	.2	9	21	30	1.95	.10	.60	184	1	.02	23	.05	18	ND	ND	ND	2	17	ND	ND	75
CH88 L5W 2+50S	.2	1.79	ND	ND	138	ND	.16	.1	8	17	16	1.77	.07	.48	316	ND	.01	26	.24	21	ND	ND	ND	1	23	ND	ND	123
CH88 L5W 3+00S	1.1	3.55	19	ND	130	3	.45	1.3	42	11	205	4.37	.19	.85	1001	2	.01	53	.15	36	ND	ND	ND	2	58	ND	ND	228
CH88 L5W 3+50S	.2	2.49	3	ND	106	ND	.20	.3	13	20	26	2.15	.09	.59	382	1	.01	32	.06	23	ND	ND	ND	2	30	ND	ND	148
CH88 L5W 4+00S	.2	2.43	20	ND	111	ND	.22	.8	20	27	97	3.30	.13	.93	634	1	.02	36	.06	35	ND	ND	ND	2	34	ND	ND	145
CH88 L5W 4+50S	.2	1.95	ND	ND	133	ND	.11	.1	8	14	17	1.65	.06	.44	431	1	.01	21	.06	20	ND	ND	ND	2	21	ND	ND	124
CH88 L5W 5+00S	.1	3.16	5	ND	183	ND	.17	.2	11	11	26	1.91	.08	.38	931	1	.01	42	.17	24	ND	ND	ND	1	39	ND	ND	154
CH88 L5W 5+50S	.6	2.47	3	ND	160	ND	.20	.3	9	21	20	1.72	.08	.47	520	1	.01	64	.20	23	ND	ND	ND	2	43	ND	ND	180
CH88 L5W 6+00S	.7	2.82	298	ND	138	ND	.46	1.1	15	31	41	2.50	.14	.78	615	1	.01	412	.07	37	ND	ND	ND	2	84	ND	ND	349
CH88 L5W 6+50S	2.8	2.03	202	ND	151	ND	2.84	1.6	17	27	74	3.27	.45	.62	402	1	.01	177	.07	53	ND	ND	ND	1	147	ND	ND	242
CH88 L5W 7+00S	.3	2.43	14	ND	162	ND	.19	.3	10	29	18	1.87	.08	.58	321	1	.01	67	.12	22	ND	ND	ND	2	34	ND	ND	158
CH88 L5W 7+50S	.1	2.26	14	ND	147	ND	.17	1.1	16	85	33	3.23	.12	1.45	350	2	.01	136	.05	27	ND	ND	ND	1	32	ND	ND	171
CH88 L5W 8+00S	.2	2.42	24	ND	147	ND	.28	.7	15	60	54	2.99	.13	.95	364	2	.01	112	.04	27	ND	ND	ND	2	48	ND	ND	150
CH88 L5W 8+50S	.1	3.00	7	ND	182	ND	.18	.5	13	58	23	2.62	.11	1.00	410	1	.01	104	.04	27	ND	ND	ND	1	37	ND	ND	145
CH88 L5W 9+00S	.1	2.14	28	ND	113	ND	.15	.8	13	38	53	3.36	.13	1.10	150	3	.01	67	.03	24	ND	ND	ND	1	30	ND	ND	173
CH88 L5W 9+50S	.2	2.20	57	ND	134	ND	.21	1.1	20	39	82	4.01	.16	.83	447	3	.01	86	.03	30	ND	ND	ND	2	41	ND	ND	147
CH88 L5W 10+00S	.1	1.99	16	ND	142	ND	.18	.3	11	28	29	2.70	.11	.64	268	2	.01	48	.01	21	ND	ND	ND	1	35	ND	ND	94
CH88 L6W 0+50N	.1	1.02	4	ND	62	ND	11.05	.5	7	18	47	1.31	1.43	.62	388	ND	.02	19	.06	20	ND	ND	ND	1	133	ND	ND	57
CH88 L6W 1+00N	.2	1.54	10	ND	128	ND	.49	.7	12	27	32	2.21	.13	.81	553	1	.01	27	.05	29	ND	ND	ND	2	35	ND	ND	169
CH88 L6W 1+50N	.1	.82	ND	ND	68	ND	2.25	.3	6	14	31	1.11	.33	.58	335	1	.01	21	.07	20	ND	ND	ND	2	177	ND	ND	99
CH88 L6W 2+00N	.2	1.22	22	ND	71	ND	.68	.8	11	28	37	2.27	.18	.83	496	2	.02	36	.11	22	ND	ND	ND	2	54	ND	ND	131
CH88 L6W 2+50N	.5	1.26	23	ND	76	ND	.68	1.1	11	30	39	2.37	.16	.86	510	2	.02	36	.11	24	ND	ND	ND	2	54	ND	ND	140
CH88 L6W 4+00N	.5	2.91	80	ND	228	ND	.62	1.5	24	32	84	3.76	.23	.86	877	2	.02	44	.10	36	ND	ND	ND	2	88	ND	ND	217
CH88 L6W 4+50N	.2	2.01	48	ND	101	ND	.24	.5	15	32	53	2.64	.12	.73	328	1	.03	33	.04	26	ND	ND	ND	2	40	ND	ND	114
CH88 L6W 5+00N	.2	1.83	41	ND	96	ND	.23	.5	14	30	44	2.42	.11	.67	325	1	.03	31	.04	24	ND	ND	ND	3	40	ND	ND	106
CH88 L6W 0+00S	1.1	2.90	20	ND	62	3	.46	1.1	22	37	54	3.70	.18	1.64	401	2	.01	28	.02	23	ND	ND	ND	5	30	ND	ND	104
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

CLIENT: ASHWORTH EXP. JOB#: 890004 PROJECT: 259 REPORT: 890004 PA

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
CH88 L6W 0+50S	.6	2.23	11	ND	200	ND	.38	1.2	12	19	35	2.21	.13	.82	1119	1	.01	26	.25	28	ND	ND	ND	3	44	ND	ND	227
CH88 L6W 1+50S	1.2	2.57	69	ND	150	3	.37	4.1	16	30	106	4.00	.19	1.03	714	4	.02	44	.08	43	ND	ND	ND	2	47	ND	ND	295
CH88 L6W 2+00S	.3	2.41	19	ND	97	ND	.16	.4	10	17	30	2.26	.10	.56	174	1	.02	21	.04	29	ND	ND	ND	2	29	ND	ND	89
CH88 L6W 2+50S	.3	2.57	10	ND	121	ND	.27	.3	10	8	31	1.66	.09	.39	382	1	.02	20	.25	26	ND	ND	ND	2	53	ND	ND	151
CH88 L6W 3+00S	.2	2.83	6	ND	168	ND	.22	.5	17	16	38	2.16	.10	.44	584	1	.01	51	.20	27	ND	ND	ND	2	37	ND	ND	232
CH88 L6W 3+50S	.7	2.92	25	ND	133	ND	.18	1.8	17	24	76	3.55	.15	.71	320	4	.01	76	.09	29	ND	ND	ND	2	30	ND	ND	276
CH88 L6W 4+00S	.7	3.17	9	ND	186	ND	.17	.5	10	18	23	1.85	.09	.43	584	1	.02	40	.35	30	ND	ND	ND	3	32	ND	ND	210
CH88 L6W 4+50S	.6	2.46	5	ND	143	ND	.17	.3	10	19	21	1.97	.09	.53	428	1	.02	25	.09	25	ND	ND	ND	2	31	ND	ND	136
CH88 L6W 5+00S	.7	2.45	5	ND	160	ND	.17	.5	11	24	26	1.98	.09	.59	509	1	.03	31	.07	25	ND	ND	ND	2	30	ND	ND	128
CH88 L6W 5+50S	1.2	2.45	23	ND	154	ND	.27	.9	16	35	80	3.38	.15	.80	401	2	.02	60	.05	31	ND	ND	ND	2	49	ND	ND	161
CH88 L6W 6+00S	.7	2.77	134	ND	133	ND	.12	.4	9	13	32	1.78	.08	.29	273	1	.02	67	.09	35	ND	ND	ND	2	33	ND	ND	138
CH88 L6W 6+50S	.8	2.58	506	ND	254	ND	.26	1.3	17	26	69	3.76	.17	.50	413	2	.02	200	.04	56	ND	ND	ND	2	58	ND	ND	204
CH88 L6W 7+00S	1.5	2.64	40	ND	276	ND	.54	2.1	22	56	76	4.33	.23	.70	341	4	.01	185	.03	31	ND	ND	ND	2	118	ND	ND	228
CH88 L6W 7+50S	.5	1.84	23	ND	124	ND	.14	.5	12	36	32	2.57	.11	.64	216	2	.02	77	.04	23	ND	ND	ND	2	27	ND	ND	147
CH88 L6W 8+00S	.5	2.29	17	ND	154	ND	.11	.5	11	27	39	2.34	.10	.57	187	2	.01	76	.04	24	ND	ND	ND	2	33	ND	ND	121
CH88 L6W 8+50S	.2	2.29	23	ND	123	ND	.14	1.1	14	45	57	3.19	.13	1.05	167	2	.01	100	.04	26	ND	ND	ND	1	26	ND	ND	168
CH88 L6W 9+00S	.3	2.63	50	ND	170	ND	.14	.5	14	23	44	2.82	.12	.56	146	3	.01	81	.02	28	ND	ND	ND	1	35	ND	ND	122
CH88 L6W 9+50S	.2	2.71	18	ND	216	ND	.24	.8	14	25	60	3.14	.14	.74	154	2	.02	62	.03	26	ND	ND	ND	2	35	ND	ND	154
CH88 L6W 10+00S	.2	2.07	20	ND	128	ND	.17	.4	12	38	41	2.60	.11	.82	218	2	.02	48	.03	22	ND	ND	ND	2	26	ND	ND	107
CH88 L7W BL	.2	2.92	12	ND	111	ND	.25	.3	10	12	24	1.70	.09	.48	285	ND	.01	20	.06	22	ND	ND	ND	3	28	ND	ND	110
CH88 L7W 0+50N	.2	1.74	ND	ND	96	ND	.78	.1	7	9	32	1.09	.14	.27	223	ND	.03	30	.04	16	ND	ND	ND	1	22	ND	ND	62
CH88 L7W 1+00N	.8	1.73	14	ND	113	ND	8.75	1.6	15	22	86	2.30	1.22	1.06	670	1	.01	28	.15	24	ND	ND	ND	2	101	ND	ND	119
CH88 L7W 1+50N	1.1	2.36	19	ND	126	ND	.46	1.1	13	45	53	3.02	.16	1.12	359	1	.03	41	.07	27	ND	ND	ND	3	44	ND	ND	175
CH88 L7W 2+00N	.3	1.73	11	ND	98	ND	.26	.6	11	32	25	2.28	.11	.99	386	1	.02	29	.11	21	ND	ND	ND	3	29	ND	ND	146
CH88 L7W 2+50N	.3	1.74	16	ND	92	ND	.24	.6	11	33	26	2.34	.11	1.03	370	1	.02	29	.10	22	ND	ND	ND	3	28	ND	ND	144
CH88 L7W 3+00N	.2	1.03	17	ND	62	ND	.35	.6	9	24	31	1.98	.11	.63	392	2	.02	30	.10	20	ND	ND	ND	2	35	ND	ND	136
CH88 L7W 3+50N	.5	1.18	32	ND	82	ND	.65	1.8	12	28	39	2.34	.17	.76	527	2	.02	38	.14	23	ND	ND	ND	2	57	ND	ND	177
CH88 L7W 4+00N	.3	1.38	40	ND	91	ND	.53	2.7	15	37	53	2.85	.17	.82	821	3	.01	48	.11	29	ND	ND	ND	2	56	ND	ND	206
CH88 L7W 4+50N	.2	1.12	26	ND	57	ND	.33	1.1	11	28	28	2.31	.12	.72	432	2	.02	36	.12	22	ND	ND	ND	2	33	ND	ND	132
CH88 L7W 5+00N	.5	1.36	30	ND	80	ND	.33	1.3	13	30	41	2.57	.13	.81	592	2	.02	39	.12	25	ND	ND	ND	2	36	ND	ND	146
CH88 L7W 0+50S	.6	2.35	21	ND	65	ND	.29	1.1	17	30	75	3.24	.15	1.44	516	2	.01	29	.05	25	ND	ND	ND	4	29	ND	ND	104
CH88 L7W 1+00S	.3	3.22	19	ND	193	ND	.17	.5	15	25	47	2.57	.11	.94	386	1	.01	32	.09	27	ND	ND	ND	2	23	ND	ND	130
CH88 L7W 1+50S	.5	3.79	13	ND	138	ND	.16	.3	9	14	19	1.89	.09	.36	433	1	.02	21	.12	31	ND	ND	ND	2	26	ND	ND	103
CH88 L7W 2+00S	.6	3.41	18	ND	139	ND	.18	.1	9	8	17	1.97	.09	.36	598	1	.02	22	.20	33	ND	ND	ND	1	31	ND	ND	131
CH88 L7W 2+50S	.3	3.01	7	ND	169	ND	.13	.5	9	13	14	1.81	.08	.31	744	1	.02	21	.13	35	ND	ND	ND	2	28	ND	ND	207
CH88 L7W 3+00S	.3	2.21	12	ND	120	ND	.17	.4	11	24	25	2.11	.10	.69	359	1	.02	26	.08	26	ND	ND	ND	3	30	ND	ND	125
CH88 L7W 3+50S	.3	4.10	18	ND	203	ND	.13	.5	14	13	41	2.23	.09	.41	523	1	.02	37	.10	29	ND	ND	ND	2	27	ND	ND	131
CH88 L7W 4+00S	.8	2.95	6	ND	180	ND	.17	.5	9	18	19	1.69	.08	.46	347	1	.03	43	.27	24	ND	ND	ND	2	32	ND	ND	126
CH88 L7W 4+50S	1.5	2.99	19	ND	166	ND	.25	.9	16	39	50	3.07	.14	1.14	367	2	.03	43	.03	31	ND	ND	ND	3	64	ND	ND	122
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

CLIENT: ASHWORTH EXPL JOB#: 890004 PROJECT: 259 REPORT: 890004 PA

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
CH88 L7W 5+00S	.3	3.88	15	ND	148	ND	.18	.5	10	16	23	2.00	.10	.41	419	2	.01	42	.17	35	ND	ND	ND	2	49	ND	ND	124
CH88 L7W 5+50S	.3	2.56	26	ND	132	ND	.10	.5	13	16	26	2.18	.09	.39	402	2	.01	59	.14	33	ND	ND	ND	2	29	ND	ND	184
CH88 L7W 6+00S	.4	3.86	38	ND	180	ND	.14	.5	13	15	30	2.29	.10	.35	346	2	.02	130	.10	44	ND	ND	ND	2	47	ND	ND	163
CH88 L7W 6+50S	.3	3.10	22	ND	115	ND	.12	.4	9	12	19	1.76	.08	.22	371	1	.02	52	.16	32	ND	ND	ND	2	29	ND	ND	128
CH88 L7W 7+00S	.3	2.46	12	ND	151	ND	.14	.5	11	26	20	2.15	.09	.35	225	2	.01	99	.05	31	ND	ND	ND	1	37	ND	ND	151
CH88 L7W 7+50S	.1	2.66	15	ND	146	ND	.12	.3	10	21	19	2.04	.09	.33	244	1	.01	95	.06	30	ND	ND	ND	2	30	ND	ND	106
CH88 L7W 8+00S	.1	2.99	11	ND	151	ND	.13	.6	15	39	38	2.67	.11	.77	203	2	.01	104	.07	31	ND	ND	ND	2	28	ND	ND	149
CH88 L7W 8+50S	.1	3.53	17	ND	242	ND	.23	1.3	18	36	43	3.18	.15	1.14	521	2	.01	73	.04	34	ND	ND	ND	1	46	ND	ND	181
CH88 L7W 9+00S	.2	2.57	22	ND	170	3	.71	1.6	27	6	145	4.24	.25	.70	1502	2	.02	26	.11	37	ND	ND	ND	3	61	ND	ND	143
CH88 L7W 9+50S	.1	2.06	12	ND	145	ND	.17	.5	12	19	26	2.02	.09	.44	362	1	.01	47	.06	25	ND	ND	ND	2	30	ND	ND	149
CH88 L7W 10+00S	.1	3.16	10	ND	153	ND	.28	.8	18	13	53	2.85	.14	.71	661	1	.01	28	.07	35	ND	ND	ND	2	36	ND	ND	102
CH88 L9W BS-02	.1	.77	ND	ND	53	ND	14.21	.8	5	12	35	.95	1.88	.52	274	ND	.02	16	.05	20	ND	ND	ND	1	184	ND	ND	49
CH88 L9W 0+00S	.2	1.87	5	ND	152	ND	.45	.3	7	15	12	1.34	.11	.33	555	ND	.01	24	.23	24	ND	ND	ND	2	32	ND	ND	170
CH88 L9W 0+50S	.3	2.85	10	ND	145	ND	.17	.5	12	26	20	2.18	.10	.64	265	1	.01	27	.13	30	ND	ND	ND	2	21	ND	ND	144
CH88 L9W 1+00S	.3	3.60	7	ND	159	ND	.27	.5	8	12	17	1.89	.10	.38	732	1	.03	18	.14	67	ND	ND	ND	1	34	ND	ND	126
CH88 L9W 1+50S	.4	3.26	18	ND	126	ND	.16	.5	10	14	30	2.07	.10	.53	444	1	.01	26	.31	30	ND	ND	ND	2	25	ND	ND	122
CH88 L9W 2+00S	.9	2.34	26	ND	74	ND	1.39	1.2	17	25	81	2.99	.29	1.27	581	1	.01	29	.08	27	ND	ND	ND	4	53	ND	ND	100
CH88 L9W 2+50S	.4	2.62	18	ND	98	ND	.28	.9	14	25	49	2.54	.13	1.01	428	1	.01	25	.05	28	ND	ND	ND	3	29	ND	ND	79
CH88 L9W 3+00S	.9	3.32	18	ND	133	ND	.22	1.2	14	23	60	2.65	.12	.91	320	1	.02	26	.06	30	ND	ND	ND	3	28	ND	ND	92
CH88 L9W 3+50S	.3	3.30	7	ND	207	ND	.18	.4	12	16	30	1.90	.09	.56	470	1	.01	23	.05	27	ND	ND	ND	3	26	ND	ND	101
CH88 L9W 4+00S	.3	4.22	26	ND	85	ND	.16	.1	8	6	24	1.53	.07	.23	257	1	.02	29	.15	31	ND	ND	ND	2	20	ND	ND	49
CH88 L9W 4+50S	.2	2.17	4	ND	128	ND	.15	.4	10	19	19	1.74	.08	.61	259	1	.01	26	.03	24	ND	ND	ND	3	19	ND	ND	83
CH88 L9W 5+00S	.1	2.74	6	ND	187	ND	.15	.9	14	19	26	2.16	.10	.70	633	2	.01	53	.06	29	ND	ND	ND	2	20	ND	ND	239
CH88 L9W 5+50S	.3	2.60	13	ND	173	ND	.29	1.1	15	16	28	2.40	.12	.46	562	1	.01	40	.10	30	ND	ND	ND	2	34	ND	ND	211
CH88 L9W 6+00S	.1	3.16	38	ND	161	ND	.17	.5	21	15	68	2.74	.12	.47	1025	1	.01	39	.15	32	ND	ND	ND	2	30	ND	ND	149
CH88 L9W 6+50S	.1	2.11	6	ND	181	ND	.17	.5	13	18	26	2.33	.11	.30	337	3	.01	78	.04	27	ND	ND	ND	1	38	ND	ND	165
CH88 L9W 7+00S	.1	2.19	5	ND	190	ND	.12	.4	10	25	22	1.88	.08	.45	283	2	.01	59	.05	26	ND	ND	ND	2	25	ND	ND	189
CH88 L9W 7+50S	.1	1.48	30	ND	177	ND	.13	.5	10	16	16	1.99	.09	.20	207	2	.01	61	.05	25	ND	ND	ND	1	27	ND	ND	149
CH88 L9W 8+00S	.1	2.51	19	ND	212	ND	.12	.3	10	16	21	1.78	.08	.27	264	1	.01	68	.14	26	ND	ND	ND	1	39	ND	ND	112
CH88 L9W 8+50S	.1	1.59	6	ND	112	ND	.15	.1	7	13	21	1.55	.07	.28	239	2	.01	42	.12	21	ND	ND	ND	2	26	ND	ND	95
CH88 L9W 9+00S	1.1	3.25	15	ND	135	ND	.18	.3	9	11	24	1.67	.08	.28	184	1	.02	39	.11	29	ND	ND	ND	2	27	ND	ND	87
CH88 L9W 10+00S	.3	3.45	22	ND	153	ND	.18	.8	14	40	65	2.73	.12	.76	232	1	.01	65	.04	30	ND	ND	ND	2	27	ND	ND	91
CH88 L10W BL	.3	3.09	7	ND	185	ND	.15	.5	10	21	20	1.84	.09	.54	271	1	.01	50	.22	28	ND	ND	ND	2	25	ND	ND	176
CH88 L10W 0+50S	.3	2.96	11	ND	191	ND	.22	.5	7	10	17	1.46	.08	.27	560	ND	.01	27	.44	30	ND	ND	ND	2	38	ND	ND	141
CH88 L10W 1+00S	1.6	3.39	136	ND	104	ND	.34	2.1	18	38	92	4.54	.21	.83	1063	2	.01	55	.07	134	ND	ND	ND	2	87	ND	ND	443
CH88 L10W 1+50S	.2	3.00	55	ND	140	ND	.35	.6	11	21	29	2.75	.15	.58	1015	1	.04	24	.11	71	ND	ND	ND	1	57	ND	ND	223
CH88 L10W 2+00S	.4	2.08	23	ND	83	ND	.23	.5	10	27	39	2.57	.12	.77	324	1	.02	25	.04	31	ND	ND	ND	2	34	ND	ND	101
CH88 L10W 2+50S	1.3	1.86	31	ND	41	3	.53	1.3	17	27	93	3.30	.19	1.40	434	2	.01	35	.06	26	ND	ND	ND	4	37	ND	ND	85
CH88 L10W 3+00S	.3	3.03	20	ND	121	ND	.29	.8	15	21	37	2.60	.13	.90	518	1	.01	26	.05	26	ND	ND	ND	3	34	ND	ND	116
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

CLIENT: ASHWORTH EXPL JOB#: 890004 PROJECT: 259 REPORT: 890004 PA

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
CH88 L10W 3+50S	.5	2.41	16	ND	116	ND	.28	.6	16	21	41	2.48	.13	1.00	725	2	.01	28	.05	29	ND	ND	ND	4	31	ND	ND	111
CH88 L10W 4+00S	.4	3.31	21	ND	127	ND	.18	.6	15	18	42	2.41	.11	.82	555	2	.01	27	.14	31	ND	ND	ND	3	23	ND	ND	125
CH88 L10W 4+50S	.4	2.56	25	ND	131	ND	.39	1.1	19	31	68	3.24	.17	1.47	973	2	.01	31	.11	29	ND	ND	ND	4	37	ND	ND	126
CH88 L10W 5+00S	.4	2.40	29	ND	87	ND	.29	1.2	20	35	76	3.40	.16	1.53	512	2	.01	38	.13	29	ND	ND	ND	3	29	ND	ND	127
CH88 L10W 5+50S	.7	4.02	34	ND	170	ND	.22	1.1	19	28	82	3.12	.14	1.02	374	2	.01	40	.08	33	ND	ND	ND	3	29	ND	ND	113
CH88 L10W 6+00S	.3	3.46	21	ND	134	ND	.20	1.2	19	41	46	2.87	.13	.97	628	2	.01	35	.39	35	ND	ND	ND	3	23	ND	ND	221
CH88 L10W 6+50S	.4	2.80	29	ND	118	ND	.24	1.1	19	48	60	2.97	.14	1.19	561	2	.01	38	.09	32	ND	ND	ND	3	32	ND	ND	142
CH88 L10W 7+00S	.1	1.84	ND	ND	166	ND	.13	.1	8	13	17	1.56	.07	.39	558	1	.01	20	.26	24	ND	ND	ND	2	28	ND	ND	99
CH88 L10W 7+50S	.4	2.81	19	ND	143	ND	.11	.8	14	21	46	2.48	.10	.61	205	2	.01	45	.13	28	ND	ND	ND	2	22	ND	ND	111
CH88 L10W 8+00S	.1	2.42	11	ND	131	ND	.12	.1	9	14	19	1.65	.07	.38	290	1	.01	33	.20	25	ND	ND	ND	2	23	ND	ND	92
CH88 L10W 8+50S	.2	1.93	15	ND	155	ND	.09	.4	9	15	22	1.88	.08	.46	484	1	.01	29	.15	24	ND	ND	ND	2	20	ND	ND	107
CH88 L10W 9+00S	.1	1.98	25	ND	96	ND	.13	.1	11	14	45	2.63	.11	.42	237	2	.01	34	.06	28	ND	ND	ND	1	26	ND	ND	103
CH88 L10W 9+50S	.3	1.89	20	ND	114	ND	.13	.4	11	19	49	2.55	.11	.45	380	2	.02	36	.08	31	ND	ND	ND	2	23	ND	ND	117
CH88 L10W 10+00S	.1	1.75	ND	ND	137	ND	.13	.1	8	20	14	1.36	.07	.32	260	1	.01	42	.10	22	ND	ND	ND	2	25	ND	ND	108
CH88 L11W BL	.2	2.43	6	ND	145	ND	.14	.3	6	8	14	1.30	.07	.23	383	1	.01	24	.33	27	ND	ND	ND	1	29	ND	ND	148
CH88 L11W 0+50S	.1	1.72	25	ND	108	ND	.49	.9	10	12	40	2.06	.14	.47	654	1	.01	23	.18	40	ND	ND	ND	2	80	ND	ND	195
CH88 L11W 1+00S	.1	2.11	14	ND	110	ND	.17	.4	11	21	39	1.82	.09	.49	253	1	.02	29	.09	28	ND	ND	ND	2	34	ND	ND	115
CH88 L11W 1+50S	.5	2.71	12	ND	230	ND	.23	.4	8	12	18	2.27	.11	.54	611	1	.03	13	.15	34	ND	ND	ND	1	52	ND	ND	107
CH88 L11W 2+00S	.1	2.49	28	ND	164	ND	.33	2.1	21	18	46	2.92	.15	.59	765	2	.01	63	.09	36	ND	ND	ND	2	58	ND	ND	319
CH88 L11W 2+50S	.1	3.52	36	ND	176	ND	.26	.4	18	109	38	2.33	.12	.92	359	1	.01	82	.04	31	ND	ND	ND	2	36	ND	ND	112
CH88 L11W 3+00S	.7	3.30	16	ND	212	ND	.25	.8	13	18	48	2.33	.12	.56	369	2	.01	50	.04	37	ND	ND	ND	2	45	ND	ND	204
CH88 L11W 3+50S	.5	3.76	13	ND	184	ND	.17	.4	14	13	44	2.35	.11	.55	186	1	.01	33	.06	34	ND	ND	ND	2	42	ND	ND	139
CH88 L11W 4+00S	.2	2.52	9	ND	106	ND	.19	.5	13	15	36	2.29	.11	.59	276	1	.01	35	.02	26	ND	ND	ND	2	31	ND	ND	124
CH88 L11W 4+50S	.1	2.84	51	ND	146	ND	.20	.5	17	15	60	2.63	.12	.67	423	2	.01	35	.06	31	ND	ND	ND	2	38	ND	ND	136
CH88 L11W 5+00S	.1	2.18	22	ND	123	ND	.17	.4	15	22	51	2.46	.11	.71	623	2	.01	34	.05	27	ND	ND	ND	2	32	ND	ND	115
CH88 L11W 5+50S	.3	3.33	32	ND	134	ND	.14	.6	16	26	35	2.61	.11	.59	796	2	.01	32	.26	31	ND	ND	ND	3	18	ND	ND	196
CH88 L11W 6+00S	1.1	3.26	56	ND	92	ND	.56	1.6	27	64	115	4.02	.22	1.64	821	2	.01	44	.04	33	ND	ND	ND	4	41	ND	ND	119
CH88 L11W 6+50S	.1	2.13	21	ND	110	ND	.18	.8	15	24	73	2.69	.12	.82	489	2	.01	30	.06	23	ND	ND	ND	3	20	ND	ND	98
CH88 L11W 7+00S	.3	2.56	12	ND	89	ND	.49	.3	12	19	27	1.80	.13	.47	200	1	.02	24	.03	24	ND	ND	ND	2	54	ND	ND	61
CH88 L11W 7+50S	.4	2.86	18	ND	79	ND	.20	.6	14	22	47	2.30	.11	.89	439	1	.01	23	.07	26	ND	ND	ND	3	19	ND	ND	133
CH88 L11W 8+00S	.3	2.93	20	ND	80	ND	.42	.8	16	38	40	2.69	.15	.94	293	2	.01	27	.03	34	ND	ND	ND	4	35	ND	ND	144
CH88 L11W 8+50S	.4	2.91	22	ND	78	ND	.17	.9	17	26	43	2.58	.12	1.01	369	2	.01	26	.11	29	ND	ND	ND	3	19	ND	ND	133
CH88 L11W 9+00S	1.1	3.23	49	ND	108	3	.46	1.7	25	66	75	3.45	.19	1.36	896	2	.01	43	.08	38	ND	ND	ND	4	39	ND	ND	189
CH88 L11W 9+50S	.2	3.14	19	ND	160	ND	.17	.9	18	42	46	2.80	.12	1.19	547	2	.01	32	.43	30	ND	ND	ND	3	23	ND	ND	228
CH88 L11W 10+00S	.2	2.66	27	ND	196	ND	.18	1.1	22	66	52	3.29	.14	1.18	953	2	.01	41	.38	39	ND	ND	ND	4	21	ND	ND	226
CH88 L12W 0+00S	.1	2.54	13	ND	73	ND	.31	.4	9	10	14	2.65	.14	.47	370	1	.03	10	.02	39	ND	ND	ND	1	46	ND	ND	79
CH88 L12W 0+50S	.5	2.70	69	ND	109	ND	.33	1.7	11	9	27	3.52	.18	.60	795	2	.02	14	.04	177	ND	ND	ND	1	85	ND	ND	419
CH88 L12W 1+00S	.3	2.10	49	ND	46	ND	.29	.1	11	7	42	1.22	.08	.28	127	1	.02	14	.02	27	ND	ND	ND	1	57	ND	ND	90
CH88 L12W 1+50S	.1	2.89	42	ND	141	ND	.20	1.5	17	10	60	3.58	.16	.35	166	5	.01	58	.03	46	ND	ND	ND	2	45	ND	ND	316
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

CLIENT: ASHWORTH EXPL JOB#: B90004 PROJECT: 259 REPORT: B90004 PA

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
CH88 L12W 2+00S	.4	1.75	23	ND	77	ND	.19	.6	13	24	43	2.39	.11	.74	303	2	.02	27	.06	28	ND	ND	ND	3	27	ND	ND	117
CH88 L12W 2+50S	.3	2.93	16	ND	159	ND	.16	.5	15	20	32	2.47	.11	.62	389	2	.01	34	.04	35	ND	ND	ND	3	29	ND	ND	223
CH88 L12W 3+00S	.5	2.88	26	ND	118	ND	.17	.3	13	11	36	2.04	.10	.38	435	2	.02	31	.15	30	ND	ND	ND	3	28	ND	ND	126
CH88 L12W 3+50S	.5	3.11	19	ND	186	ND	.19	.9	13	13	38	2.12	.10	.50	277	2	.01	43	.08	31	ND	ND	ND	3	31	ND	ND	194
CH88 L12W 4+00S	.3	3.31	25	ND	208	ND	.13	.4	13	15	40	2.14	.09	.47	245	2	.01	51	.10	32	ND	ND	ND	3	32	ND	ND	137
CH88 L12W 4+50S	.1	2.57	19	ND	130	ND	.13	.4	14	20	42	2.38	.10	.67	264	2	.01	40	.06	29	ND	ND	ND	2	24	ND	ND	122
CH88 L12W 5+00S	.3	3.01	46	ND	167	ND	.12	.6	17	19	54	2.72	.12	.65	295	3	.01	41	.06	31	ND	ND	ND	3	31	ND	ND	151
CH88 L12W 5+50S	.4	3.56	23	ND	185	ND	.15	.3	11	14	24	1.88	.09	.37	498	2	.01	37	.11	35	ND	ND	ND	2	37	ND	ND	137
CH88 L12W 6+00S	.1	2.57	17	ND	165	ND	.12	.1	12	16	29	2.10	.09	.48	385	2	.01	38	.13	28	ND	ND	ND	3	22	ND	ND	152
CH88 L12W 6+50S	.1	1.43	31	ND	85	ND	.11	.6	11	18	64	2.86	.12	.62	260	3	.01	37	.07	33	ND	ND	ND	2	16	ND	ND	142
CH88 L12W 7+00S	.1	2.39	29	ND	95	ND	.16	.5	14	25	51	2.52	.11	.93	272	2	.01	37	.09	28	ND	ND	ND	3	23	ND	ND	132
CH88 L12W 7+50S	.5	1.63	21	ND	55	ND	.18	.4	14	24	44	2.34	.11	1.06	257	2	.01	26	.03	23	ND	ND	ND	4	15	ND	ND	70
CH88 L12W 8+00S	.5	3.94	29	ND	89	ND	.10	.1	11	19	26	2.06	.09	.45	516	2	.01	18	.36	33	ND	ND	ND	3	12	ND	ND	93
CH88 L12W 8+50S	.5	2.63	33	ND	78	ND	.17	.6	21	87	48	3.03	.13	1.52	531	2	.01	35	.13	31	ND	ND	ND	5	14	ND	ND	124
CH88 L12W 9+00S	.5	2.81	27	ND	82	ND	.25	1.2	20	44	39	3.02	.14	1.53	655	2	.01	30	.03	29	ND	ND	ND	4	24	ND	ND	160
CH88 L12W 9+50S	.5	3.97	34	ND	142	ND	.17	.9	21	52	73	2.96	.13	1.19	758	2	.01	39	.20	39	ND	ND	ND	4	19	ND	ND	177
CH88 L12W 10+00S	.4	3.68	18	ND	111	ND	.12	.1	14	25	35	2.03	.09	.65	640	1	.01	25	.21	31	ND	ND	ND	3	16	ND	ND	133
CH88 L13W 0+50N	.1	2.71	25	ND	81	ND	.26	.3	10	11	14	2.53	.13	.43	578	2	.01	16	.07	51	ND	ND	ND	2	36	ND	ND	184
CH88 L13W 1+00N	.1	2.39	24	ND	118	ND	.27	.4	8	15	24	1.97	.11	.44	736	1	.01	19	.13	36	ND	ND	ND	2	50	ND	ND	154
CH88 L13W 1+50N	.1	1.85	21	ND	55	ND	.15	.3	9	16	22	2.55	.11	.70	266	2	.02	18	.04	34	ND	ND	ND	2	25	ND	ND	98
CH88 L13W 2+00N	.1	2.94	6	ND	145	ND	.50	.3	9	18	22	2.17	.15	.47	652	2	.02	33	.03	33	ND	ND	ND	2	72	ND	ND	76
CH88 L13W 0+00S	.4	3.32	44	ND	59	ND	.19	.1	6	6	20	1.55	.08	.22	318	1	.02	14	.18	44	ND	ND	ND	2	41	ND	ND	131
CH88 L13W 0+50S	.1	2.90	18	ND	236	ND	.28	1.1	9	16	29	2.02	.11	.49	751	2	.01	22	.16	36	ND	ND	ND	2	69	ND	ND	199
CH88 L13W 1+00S	.5	3.77	60	ND	127	ND	.29	.3	20	11	101	2.53	.13	.38	374	2	.01	30	.20	43	ND	ND	ND	3	44	ND	ND	139
CH88 L13W 1+50S	.6	3.12	15	ND	165	ND	.18	.3	18	17	75	2.35	.11	.72	324	2	.01	26	.05	27	ND	ND	ND	4	28	ND	ND	127
CH88 L13W 2+00S	.1	3.76	23	ND	134	ND	.20	.6	19	18	42	2.75	.13	.56	805	2	.01	35	.09	36	ND	ND	ND	3	30	ND	ND	191
CH88 L13W 2+50S	.1	2.98	44	ND	167	ND	.13	.1	19	16	54	2.65	.11	.66	492	2	.01	37	.12	29	ND	ND	ND	3	26	ND	ND	169
CH88 L13W 3+00S	.9	4.40	61	ND	137	3	.17	1.1	24	32	99	3.44	.15	1.26	485	3	.01	36	.21	37	ND	ND	ND	5	27	ND	ND	160
CH88 L13W 3+50S	.3	1.93	16	ND	80	ND	.24	.6	14	28	41	2.49	.12	.86	272	2	.01	29	.03	26	ND	ND	ND	4	28	ND	ND	116
CH88 L13W 4+00S	.1	2.76	29	ND	196	ND	.14	1.2	15	26	47	2.54	.11	.67	637	4	.01	63	.12	33	ND	ND	ND	3	30	ND	ND	236
CH88 L13W 4+50S	.1	2.79	17	ND	178	ND	.18	.5	13	24	56	2.65	.12	.70	290	2	.01	34	.04	30	ND	ND	ND	3	37	ND	ND	139
CH88 L13W 5+00S	.2	2.53	18	ND	117	ND	.14	.3	13	19	42	2.22	.10	.57	259	2	.01	34	.03	27	ND	ND	ND	2	27	ND	ND	117
CH88 L13W 5+50S	.1	2.10	31	ND	111	ND	.14	.3	11	19	40	2.32	.10	.60	258	2	.01	31	.04	24	ND	ND	ND	3	27	ND	ND	102
CH88 L13W 6+00S	.2	2.14	9	ND	116	ND	.14	.1	9	14	32	1.81	.08	.34	216	2	.02	30	.03	23	ND	ND	ND	3	26	ND	ND	81
CH88 L13W 6+50S	.1	2.20	20	ND	145	ND	.14	.3	11	16	36	2.18	.10	.55	269	2	.01	35	.09	24	ND	ND	ND	3	29	ND	ND	130
CH88 L13W 7+00S	.2	2.39	23	ND	154	ND	.10	.1	9	13	29	1.84	.08	.30	224	2	.01	41	.10	26	ND	ND	ND	3	22	ND	ND	118
CH88 L13W 7+50S	.1	2.28	27	ND	142	ND	.16	.1	10	15	23	1.97	.09	.31	298	2	.01	52	.05	25	ND	ND	ND	3	33	ND	ND	103
CH88 L13W 8+00S	.1	2.25	39	ND	135	ND	.15	.5	13	20	53	2.66	.12	.60	266	3	.01	58	.04	26	ND	ND	ND	3	31	ND	ND	123
CH88 L13W 8+50S	.3	2.90	25	ND	105	ND	.20	.5	17	22	50	2.67	.12	1.06	476	2	.01	27	.07	26	ND	ND	ND	4	21	ND	ND	141
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

CLIENT: ASHWORTH EXPL JOB#: 890004 PROJECT: 259 REPORT: 890004 PA

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
CH88 L13W 9+00S	.6	3.34	34	ND	96	3	.16	.7	15	20	50	2.52	.11	.80	339	2	.01	30	.14	32	ND	ND	ND	4	21	ND	ND	131
CH88 L13W 9+50S	.1	1.86	30	ND	119	ND	.12	.5	11	36	26	2.06	.09	.73	231	2	.01	55	.05	23	ND	ND	ND	2	20	ND	ND	99
CH88 L13W 10+00S	.5	2.09	34	ND	136	ND	.12	.2	11	35	40	2.35	.10	.70	143	2	.02	59	.02	26	ND	ND	ND	3	28	ND	ND	93
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
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● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: ASHWORTH EXPLORATION LTD.
ADDRESS: 1010 - 789 W. Pender Street
: Vancouver, B.C.
: V6C 1H2

DATE: Feb 22 1989
REPORT#: 890069 GA
JOB#: 890069

PROJECT#: 259
SAMPLES ARRIVED: Feb 17 1989
REPORT COMPLETED: Feb 22 1989
ANALYSED FOR: Au ICP

INVOICE#: 890069 NA
TOTAL SAMPLES: 475
SAMPLE TYPE: 475 SOILS
REJECTS: DISCARDED

SAMPLES FROM: MR. R. KIDLARK
COPY SENT TO: ASHWORTH EXPLORATION LTD.

PREPARED FOR: MR. PETER LERICHE

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: None

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RENO, NEVADA, U.S.A.

REPORT NUMBER: 890069 GA JOB NUMBER: 890069 **ASHWORTH EXPLORATION LTD.**

SAMPLE #		Au ppb
CH-89 L 0+50W	0+00	30
CH-89 L 0+50W	0+50S	10
CH-89 L 0+50W	1+00S	20
CH-89 L 0+50W	1+50S	20
CH-89 L 0+50W	2+00S	20
CH-89 L 0+50W	2+50S	25
CH-89 L 0+50W	3+00S	10
CH-89 L 0+50W	3+50S	10
CH-89 L 0+50W	4+00S	15
CH-89 L 0+50W	4+50S	35
CH-89 L 0+50W	5+00S	10
CH-89 L 0+50W	5+50S	20
CH-89 L 0+50W	6+00S	10
CH-89 L 0+50W	6+50S	10
CH-89 L 0+50W	7+00S	10
CH-89 L 0+50W	7+50S	25
CH-89 L 0+50W	8+00S	15
CH-89 L 0+50W	8+50S	20
CH-89 L 0+50W	9+00S	10
CH-89 L 0+50W	9+50S	10
CH-89 L 0+50W	10+00S	20
CH-89 L 1+50W	0+00	20
CH-89 L 1+50W	0+50S	30
CH-89 L 1+50W	1+00S	5
CH-89 L 1+50W	1+50S	20
CH-89 L 1+50W	2+00S	25
CH-89 L 1+50W	2+50S	10
CH-89 L 1+50W	3+00S	10
CH-89 L 1+50W	3+50S	20
CH-89 L 1+50W	4+00S	10
CH-89 L 1+50W	4+50S	10
CH-89 L 1+50W	5+00S	5
CH-89 L 1+50W	5+50S	10
CH-89 L 1+50W	6+50S	20
CH-89 L 1+50W	7+00S	20
CH-89 L 1+50W	7+50S	15
CH-89 L 1+50W	8+00S	15
CH-89 L 1+50W	8+50S	10
CH-89 L 1+50W	9+00S	20
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Au ppb
CH-89 L 1+50W 9+50S	20
CH-89 L 1+50W 10+00S	10
CH-89 L 2+50W 0+50S	15
CH-89 L 2+50W 1+00S	5
CH-89 L 2+50W 1+50S	5
CH-89 L 2+50W 2+00S	25
CH-89 L 2+50W 2+50S	10
CH-89 L 2+50W 3+00S	10
CH-89 L 2+50W 3+50S	20
CH-89 L 2+50W 4+00S	10
CH-89 L 2+50W 4+50S	15
CH-89 L 2+50W 5+50S	15
CH-89 L 2+50W 6+00S	30
CH-89 L 2+50W 6+50S	15
CH-89 L 2+50W 7+00S	10
CH-89 L 2+50W 7+50S	15
CH-89 L 2+50W 8+00S	20
CH-89 L 2+50W 8+50S	10
CH-89 L 2+50W 9+00S	20
CH-89 L 2+50W 9+50S	20
CH-89 L 2+50W 10+00S	20
CH-89 L 3+50W 0+00	10
CH-89 L 3+50W 0+50S	15
CH-89 L 3+50W 1+00S	10
CH-89 L 3+50W 1+50S	10
CH-89 L 3+50W 2+00S	10
CH-89 L 3+50W 2+50S	5
CH-89 L 3+50W 3+00S	5
CH-89 L 3+50W 3+50S	15
CH-89 L 3+50W 4+00S	10
CH-89 L 3+50W 4+50S	20
CH-89 L 3+50W 5+00S	10
CH-89 L 3+50W 5+50S	15
CH-89 L 3+50W 6+00S	15
CH-89 L 3+50W 6+50S	25
CH-89 L 3+50W 7+00S	20
CH-89 L 3+50W 7+50S	10
CH-89 L 3+50W 8+00S	15
CH-89 L 3+50W 8+50S	5
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #		Au ppb
CH-89 L 3+50W	9+00S	15
CH-89 L 3+50W	9+50S	10
CH-89 L 3+50W	10+00S	15
CH-89 L 4+50W	0+00	15
CH-89 L 4+50W	0+50S	15
CH-89 L 4+50W	1+00S	5
CH-89 L 4+50W	1+50S	10
CH-89 L 4+50W	2+00S	10
CH-89 L 4+50W	2+50S	10
CH-89 L 4+50W	3+00S	15
CH-89 L 4+50W	3+50S	15
CH-89 L 4+50W	4+50S	15
CH-89 L 4+50W	5+00S	10
CH-89 L 4+50W	5+50S	10
CH-89 L 4+50W	6+00S	20
CH-89 L 4+50W	6+50S	30
CH-89 L 4+50W	7+00S	20
CH-89 L 4+50W	7+50S	20
CH-89 L 4+50W	8+00S	5
CH-89 L 4+50W	8+50S	5
CH-89 L 4+50W	9+00S	15
CH-89 L 4+50W	9+50S	10
CH-89 L 4+50W	10+00S	20
CH-89 L 5+50W	0+00	10
CH-89 L 5+50W	0+50S	25
CH-89 L 5+50W	1+00S	5
CH-89 L 5+50W	2+00S	10
CH-89 L 5+50W	3+00S	10
CH-89 L 5+50W	3+50S	15
CH-89 L 5+50W	4+00S	20
CH-89 L 5+50W	4+50S	20
CH-89 L 5+50W	5+00S	10
CH-89 L 5+50W	5+50S	10
CH-89 L 5+50W	6+00S	25
CH-89 L 5+50W	6+50S	20
CH-89 L 5+50W	7+00S	20
CH-89 L 5+50W	7+50S	20
CH-89 L 5+50W	8+00S	10
CH-89 L 5+50W	8+50S	20
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #		Au ppb
CH-89 L 5+50W	9+00S	10
CH-89 L 5+50W	9+50S	20
CH-89 L 5+50W	10+00S	15
CH-89 L 5+50W	10+50S	10
CH-89 L 6+50W	0+00	25
CH-89 L 6+50W	0+50S	10
CH-89 L 6+50W	1+00S	10
CH-89 L 6+50W	1+50S	5
CH-89 L 6+50W	2+00S	20
CH-89 L 6+50W	2+50S	10
CH-89 L 6+50W	3+00S	10
CH-89 L 6+50W	3+50S	10
CH-89 L 6+50W	4+00S	15
CH-89 L 6+50W	4+50S	20
CH-89 L 6+50W	5+00S	10
CH-89 L 6+50W	5+50S	10
CH-89 L 6+50W	6+00S	10
CH-89 L 6+50W	6+50S	10
CH-89 L 6+50W	7+00S	20
CH-89 L 6+50W	7+50S	20
CH-89 L 6+50W	8+00S	20
CH-89 L 6+50W	8+50S	20
CH-89 L 6+50W	9+00S	20
CH-89 L 6+50W	9+50S	20
CH-89 L 6+50W	10+00S	20
CH-89 L 7+50W	0+00	20
CH-89 L 7+50W	0+50S	20
CH-89 L 7+50W	1+00S	15
CH-89 L 7+50W	1+50S	10
CH-89 L 7+50W	2+00S	30
CH-89 L 7+50W	2+50S	30
CH-89 L 7+50W	3+00S	20
CH-89 L 7+50W	3+50S	20
CH-89 L 7+50W	4+00S	20
CH-89 L 7+50W	4+50S	25
CH-89 L 7+50W	5+00S	20
CH-89 L 7+50W	5+50S	20
CH-89 L 7+50W	6+00S	10
CH-89 L 7+50W	6+50S	15
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #		Au ppb
CH-89 L 7+50W	7+00S	10
CH-89 L 7+50W	7+50S	10
CH-89 L 7+50W	8+00S	15
CH-89 L 7+50W	8+50S	10
CH-89 L 7+50W	9+00S	10
CH-89 L 7+50W	9+50S	10
CH-89 L 7+50W	10+00S	10
CH-89 L 8+00W	0+00	10
CH-89 L 8+00W	0+50N	30
CH-89 L 8+00W	0+50S	30
CH-89 L 8+00W	1+00S	20
CH-89 L 8+00W	2+00S	20
CH-89 L 8+00W	2+50S	5
CH-89 L 8+00W	3+00S	10
CH-89 L 8+00W	3+50S	30
CH-89 L 8+00W	4+00S	10
CH-89 L 8+00W	4+50S	10
CH-89 L 8+00W	5+00S	10
CH-89 L 8+00W	5+50S	5
CH-89 L 8+00W	6+00S	10
CH-89 L 8+00W	6+50S	10
CH-89 L 8+00W	7+00S	5
CH-89 L 8+00W	7+50S	10
CH-89 L 8+00W	8+00S	15
CH-89 L 8+00W	8+50S	5
CH-89 L 8+00W	9+00S	20
CH-89 L 8+00W	9+50S	20
CH-89 L 8+00W	10+00S	10
CH-89 L 8+50W	0+00	10
CH-89 L 8+50W	0+50S	20
CH-89 L 8+50W	1+00S	10
CH-89 L 8+50W	1+50S	5
CH-89 L 8+50W	2+00S	10
CH-89 L 8+50W	2+50S	15
CH-89 L 8+50W	3+00S	20
CH-89 L 8+50W	3+50S	15
CH-89 L 8+50W	4+00S	10
CH-89 L 8+50W	4+50S	5
CH-89 L 8+50W	5+00S	10
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #		Au ppb
CH-89 L 8+50W	5+50S	20
CH-89 L 8+50W	6+00S	30
CH-89 L 8+50W	6+50S	10
CH-89 L 8+50W	7+00S	10
CH-89 L 8+50W	7+50S	10
CH-89 L 8+50W	8+00S	25
CH-89 L 8+50W	8+50S	15
CH-89 L 8+50W	9+00S	20
CH-89 L 8+50W	9+50S	20
CH-89 L 8+50W	10+00S	10
CH-89 L 9+50W	0+00	15
CH-89 L 9+50W	0+50S	5
CH-89 L 9+50W	1+00S	10
CH-89 L 9+50W	1+50S	5
CH-89 L 9+50W	2+00S	20
CH-89 L 9+50W	2+50S	10
CH-89 L 9+50W	3+00S	25
CH-89 L 9+50W	3+50S	10
CH-89 L 9+50W	4+00S	15
CH-89 L 9+50W	4+50S	15
CH-89 L 9+50W	5+00S	25
CH-89 L 9+50W	5+50S	20
CH-89 L 9+50W	6+00S	5
CH-89 L 9+50W	6+50S	10
CH-89 L 9+50W	7+00S	10
CH-89 L 9+50W	7+50S	10
CH-89 L 9+50W	8+00S	10
CH-89 L 9+50W	8+50S	10
CH-89 L 9+50W	9+00S	10
CH-89 L 9+50W	9+50S	nd
CH-89 L 9+50W	10+00S	10
CH-89 L14+00W	0+00	25
CH-89 L14+00W	0+50N	10
CH-89 L14+00W	1+00N	10
CH-89 L14+00W	1+50N	10
CH-89 L14+00W	2+00N	20
CH-89 L14+00W	2+50N	20
CH-89 L14+00W	0+50S	15
CH-89 L14+00W	1+00S	10
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #		Au ppb
CH-89 L14+00W	1+50S	15
CH-89 L14+00W	2+00S	10
CH-89 L14+00W	2+50S	20
CH-89 L14+00W	3+00S	15
CH-89 L14+00W	3+50S	10
CH-89 L14+00W	4+50S	20
CH-89 L14+00W	5+00S	15
CH-89 L14+00W	5+50S	10
CH-89 L14+00W	6+00S	10
CH-89 L14+00W	6+50S	10
CH-89 L14+00W	7+00S	15
CH-89 L14+00W	7+50S	10
CH-89 L14+00W	8+00S	10
CH-89 L14+00W	8+50S	15
CH-89 L14+00W	9+00S	20
CH-89 L14+00W	9+50S	15
CH-89 L14+00W	10+00S	15
CH-89 L15+00W	0+00	10
CH-89 L15+00W	0+50N	15
CH-89 L15+00W	1+00N	15
CH-89 L15+00W	1+50N	20
CH-89 L15+00W	2+00N	20
CH-89 L15+00W	0+50S	10
CH-89 L15+00W	1+00S	20
CH-89 L15+00W	1+50S	20
CH-89 L15+00W	2+00S	10
CH-89 L15+00W	2+50S	20
CH-89 L15+00W	3+00S	20
CH-89 L15+00W	3+50S	10
CH-89 L15+00W	4+00S	10
CH-89 L15+00W	4+50S	30
CH-89 L15+00W	5+00S	20
CH-89 L15+00W	5+50S	5
CH-89 L15+00W	6+00S	15
CH-89 L15+00W	6+50S	20
CH-89 L15+00W	7+00S	15
CH-89 L15+00W	7+50S	15
CH-89 L15+00W	8+00S	5
CH-89 L15+00W	8+50S	5
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #		Au ppb
CH-89 L15+00W	9+00S	20
CH-89 L15+00W	9+50S	20
CH-89 L15+00W	10+00S	20
CH-89 L16+00W	0+00	5
CH-89 L16+00W	0+50N	15
CH-89 L16+00W	1+00N	5
CH-89 L16+00W	1+50N	20
CH-89 L16+00W	2+00N	10
CH-89 L16+00W	2+50N	25
CH-89 L16+00W	3+50N	5
CH-89 L16+00W	4+50N	20
CH-89 L16+00W	5+00N	10
CH-89 L16+00W	5+50N	20
CH-89 L16+00W	6+00N	20
CH-89 L16+00W	6+50N	20
CH-89 L16+00W	7+00N	15
CH-89 L16+00W	7+50N	25
CH-89 L16+00W	8+50N	15
CH-89 L16+00W	9+00N	10
CH-89 L16+00W	9+50N	5
CH-89 L16+00W	10+00N	10
CH-89 L16+00W	0+50S	10
CH-89 L16+00W	1+00S	5
CH-89 L16+00W	1+50S	10
CH-89 L16+00W	2+00S	20
CH-89 L16+00W	2+50S	5
CH-89 L16+00W	3+00S	20
CH-89 L16+00W	3+50S	20
CH-89 L16+00W	4+00S	20
CH-89 L16+00W	4+50S	20
CH-89 L16+00W	5+00S	15
CH-89 L16+00W	5+50S	5
CH-89 L16+00W	6+00S	20
CH-89 L16+00W	6+50S	10
CH-89 L16+00W	7+00S	20
CH-89 L16+00W	7+50S	15
CH-89 L16+00W	8+00S	10
CH-89 L16+00W	8+50S	5
CH-89 L16+00W	9+00S	20
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #		Au ppb
CH-89 L16+00W	9+50S	10
CH-89 L16+00W	10+00S	10
CH-89 L17+00W	0+00	10
CH-89 L17+00W	0+50N	10
CH-89 L17+00W	1+00N	nd
CH-89 L17+00W	1+50N	10
CH-89 L17+00W	2+00N	10
CH-89 L17+00W	2+50N	20
CH-89 L17+00W	3+00N	20
CH-89 L17+00W	3+50N	10
CH-89 L17+00W	4+00N	10
CH-89 L17+00W	4+50N	10
CH-89 L17+00W	5+00N	10
CH-89 L17+00W	5+50N	10
CH-89 L17+00W	6+50N(A)	15
CH-89 L17+00W	6+50N(B)	10
CH-89 L17+00W	7+00N	15
CH-89 L17+00W	7+50N	5
CH-89 L17+00W	8+00N	10
CH-89 L17+00W	8+50N	10
CH-89 L17+00W	9+00N	15
CH-89 L17+00W	9+50N	10
CH-89 L17+00W	10+00N	30
CH-89 L17+00W	0+50S	10
CH-89 L17+00W	1+00S	10
CH-89 L17+00W	1+50S	10
CH-89 L17+00W	2+00S	10
CH-89 L17+00W	3+00S	15
CH-89 L17+00W	3+50S	15
CH-89 L17+00W	4+00S	15
CH-89 L17+00W	4+50S	15
CH-89 L17+00W	5+00S	15
CH-89 L17+00W	5+50S	15
CH-89 L17+00W	6+00S	10
CH-89 L17+00W	6+50S	10
CH-89 L17+00W	7+00S	10
CH-89 L17+00W	7+50S	10
CH-89 L17+00W	8+00S	10
CH-89 L17+00W	8+50S	20
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Au ppb
CH-89 L17+00W 9+00S	10
CH-89 L17+00W 9+50S	15
CH-89 L17+00W 10+00S	15
CH-89 L18+00W 0+00	15
CH-89 L18+00W 0+50N	10
CH-89 L18+00W 1+00N	10
CH-89 L18+00W 1+50N	5
CH-89 L18+00W 2+50N	15
CH-89 L18+00W 3+00N	20
CH-89 L18+00W 3+50N	20
CH-89 L18+00W 4+00N	10
CH-89 L18+00W 4+50N	5
CH-89 L18+00W 5+00N	20
CH-89 L18+00W 5+50N	10
CH-89 L18+00W 6+00N	10
CH-89 L18+00W 6+50N	10
CH-89 L18+00W 7+00N	10
CH-89 L18+00W 7+50N	10
CH-89 L18+00W 8+00N	10
CH-89 L18+00W 8+50N	10
CH-89 L18+00W 9+50N	10
CH-89 L18+00W 10+00N	15
CH-89 L18+00W 0+50S	10
CH-89 L18+00W 1+00S	10
CH-89 L18+00W 1+50S	10
CH-89 L18+00W 2+00S	10
CH-89 L18+00W 2+50S	10
CH-89 L18+00W 3+00S	10
CH-89 L18+00W 3+50S	10
CH-89 L18+00W 4+00S	10
CH-89 L18+00W 4+50S	10
CH-89 L18+00W 5+00S	20
CH-89 L18+00W 5+50S	20
CH-89 L18+00W 6+00S	15
CH-89 L18+00W 6+50S	25
CH-89 L18+00W 7+00S	20
CH-89 L18+00W 7+50S	10
CH-89 L18+00W 8+00S	10
CH-89 L18+00W 8+50S	15
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #		Au ppb
CH-89 L18+00W	9+00S	20
CH-89 L18+00W	9+50S	25
CH-89 L19+00W	0+00	10
CH-89 L19+00W	0+50N	10
CH-89 L19+00W	1+00N	20
CH-89 L19+00W	1+50N	35
CH-89 L19+00W	2+00N	10
CH-89 L19+00W	2+50N	10
CH-89 L19+00W	3+00N	10
CH-89 L19+00W	3+50N	10
CH-89 L19+00W	4+00N	20
CH-89 L19+00W	4+50N	10
CH-89 L19+00W	5+00N	10
CH-89 L19+00W	5+50N	10
CH-89 L19+00W	6+00N	15
CH-89 L19+00W	6+50N	20
CH-89 L19+00W	7+00N	10
CH-89 L19+00W	7+50N	20
CH-89 L19+00W	8+00N	20
CH-89 L19+00W	8+50N	20
CH-89 L19+00W	9+00N	20
CH-89 L19+00W	9+50N	20
CH-89 L19+00W	10+00N	35
CH-89 L19+00W	0+50S	5
CH-89 L19+00W	1+00S	5
CH-89 L19+00W	1+50S	10
CH-89 L19+00W	2+00S	20
CH-89 L19+00W	2+50S	15
CH-89 L19+00W	3+00S	20
CH-89 L19+00W	3+50S	15
CH-89 L19+00W	4+00S	20
CH-89 L19+00W	4+50S	15
CH-89 L19+00W	5+00S	15
CH-89 L19+00W	5+50S	15
CH-89 L19+00W	6+00S	20
CH-89 L19+00W	6+50S	20
CH-89 L19+00W	7+00S	15
CH-89 L19+00W	7+50S	20
CH-89 L19+00W	8+00S	25
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #		Au ppb
CH-89 L19+00W	8+50S	20
CH-89 L19+00W	9+00S	15
CH-89 L19+00W	9+50S	15
CH-89 L19+00W	10+00S	15
CH-89 L20+00W	0+00	5
CH-89 L20+00W	0+50N	15
CH-89 L20+00W	1+00N	20
CH-89 L20+00W	1+50N	nd
CH-89 L20+00W	2+00N	5
CH-89 L20+00W	2+50N	10
CH-89 L20+00W	3+00N	15
CH-89 L20+00W	3+50N	15
CH-89 L20+00W	4+00N	10
CH-89 L20+00W	4+50N	20
CH-89 L20+00W	5+00N	15
CH-89 L20+00W	5+50N	15
CH-89 L20+00W	6+00N	25
CH-89 L20+00W	6+50N	nd
CH-89 L20+00W	7+00N	nd
CH-89 L20+00W	7+50N	10
CH-89 L20+00W	8+00N	10
CH-89 L20+00W	8+50N	5
CH-89 L20+00W	9+00N	10
CH-89 L20+00W	9+50N	15
CH-89 L20+00W	10+00N	10
CH-89 L20+00W	0+50S	10
CH-89 L20+00W	1+00S	nd
CH-89 L20+00W	1+50S	5
CH-89 L20+00W	2+00S	5
CH-89 L20+00W	2+50S	nd
CH-89 L20+00W	3+00S(A)	15
CH-89 L20+00W	3+00S(B)	5
CH-89 L20+00W	3+50S	15
CH-89 L20+00W	4+00S	10
CH-89 L20+00W	4+50S	10
CH-89 L20+00W	5+00S	25
CH-89 L20+00W	5+50S	15
CH-89 L20+00W	6+00S	15
CH-89 L20+00W	6+50S	5
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #		Au ppb
CH-89 L20+00W	7+00S	15
CH-89 L20+00W	7+50S	5
CH-89 L20+00W	8+00S	10
CH-89 L20+00W	8+50S	20
CH-89 L20+00W	9+00S	15
CH-89 L20+00W	9+50S	25
CH-89 L20+00W	10+00S	10

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED
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Phi(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

REPORT #: 890069 PA | ASHWORTH EXPL | Proj: 259 | Date In: 89/02/17 | Date Out:89/02/21 | Att: R KIDLARK | ANALYST:

Sample Number		Ag	Al	As	Au	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Pd	Pt	Sb	Sn	Sr	U	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CH-89 L 0+50W	0+00	1.4	2.74	<3	<3	150	<3	0.44	0.8	11	21	38	2.36	0.14	0.58	655	1	0.03	22	0.10	42	<3	<5	<2	5	62	<5	<3	140
CH-89 L 0+50W	0+50S	1.0	2.88	<3	<3	175	<3	0.31	0.6	10	17	31	2.32	0.12	0.55	830	<1	0.03	19	0.04	44	<3	<5	<2	6	55	<5	<3	115
CH-89 L 0+50W	1+00S	2.2	2.23	20	<3	113	<3	2.79	1.7	14	34	68	3.09	0.48	0.93	767	1	0.02	33	0.11	45	<3	<5	<2	5	104	<5	<3	174
CH-89 L 0+50W	1+50S	2.1	2.18	24	<3	103	<3	3.34	1.7	14	34	69	3.10	0.58	0.95	707	1	0.03	31	0.11	45	<3	<5	<2	5	116	<5	<3	173
CH-89 L 0+50W	2+00S	1.3	2.13	18	<3	88	<3	1.44	1.3	12	19	52	2.83	0.29	0.81	703	1	0.03	23	0.09	45	<3	<5	<2	5	79	<5	<3	141
CH-89 L 0+50W	2+50S	1.0	2.32	10	<3	104	<3	1.22	2.1	11	21	47	2.79	0.26	0.76	792	1	0.03	22	0.09	42	<3	<5	<2	5	74	<5	<3	141
CH-89 L 0+50W	3+00S	0.6	2.13	11	<3	170	<3	0.16	0.5	7	12	18	1.48	0.09	0.32	515	<1	0.01	23	0.20	26	<3	<5	<2	5	27	<5	<3	136
CH-89 L 0+50W	3+50S	0.4	1.25	14	<3	71	<3	0.24	0.5	9	22	30	1.91	0.10	0.61	275	1	0.02	23	0.05	21	<3	<5	<2	5	31	<5	<3	112
CH-89 L 0+50W	4+00S	0.6	1.23	28	<3	75	<3	0.57	1.3	17	25	59	2.29	0.16	0.76	691	1	0.02	36	0.11	28	<3	<5	<2	5	63	<5	<3	134
CH-89 L 0+50W	4+50S	0.4	1.02	23	<3	56	<3	0.43	0.6	10	24	30	1.99	0.13	0.64	319	1	0.02	29	0.10	22	<3	<5	<2	4	40	<5	<3	115
CH-89 L 0+50W	5+00S	0.7	1.73	18	<3	71	<3	1.71	1.1	16	28	66	2.76	0.33	1.06	543	1	0.01	33	0.10	27	<3	<5	<2	5	88	<5	<3	139
CH-89 L 0+50W	5+50S	1.0	2.02	18	<3	105	<3	1.40	1.3	17	43	61	3.04	0.30	1.31	588	2	0.02	44	0.10	30	<3	<5	<2	7	87	<5	<3	134
CH-89 L 0+50W	6+00S	1.2	1.81	19	<3	78	<3	1.56	1.2	15	31	64	2.84	0.31	1.09	593	1	0.02	36	0.09	29	<3	<5	<2	6	68	<5	<3	120
CH-89 L 0+50W	6+50S	0.8	2.55	10	<3	108	<3	0.48	2.5	18	30	48	3.36	0.18	1.12	812	1	0.01	38	0.04	33	<3	<5	<2	7	38	<5	<3	154
CH-89 L 0+50W	7+00S	0.9	2.54	11	<3	107	3	0.46	2.1	18	31	48	3.37	0.18	1.12	755	1	0.01	38	0.04	32	<3	<5	<2	7	39	<5	<3	151
CH-89 L 0+50W	7+50S	1.1	2.16	22	<3	75	<3	1.45	1.7	18	30	76	3.27	0.31	1.21	610	1	0.01	36	0.10	36	<3	<5	<2	6	69	<5	<3	144
CH-89 L 0+50W	8+00S	0.6	2.60	6	<3	156	<3	0.30	0.8	10	14	29	1.99	0.11	0.51	711	1	0.01	19	0.16	32	<3	<5	<2	6	30	<5	<3	128
CH-89 L 0+50W	8+50S	1.6	2.31	23	<3	127	<3	1.12	1.1	15	47	58	2.95	0.25	0.88	374	1	0.02	89	0.07	32	<3	<5	<2	6	67	<5	<3	123
CH-89 L 0+50W	9+00S	1.1	1.77	15	<3	77	<3	2.85	0.8	12	28	54	2.47	0.47	0.85	405	1	0.02	36	0.07	28	<3	<5	<2	6	91	<5	<3	105
CH-89 L 0+50W	9+50S	0.7	2.16	12	<3	146	<3	0.33	0.5	10	22	26	1.84	0.11	0.49	506	<1	0.02	47	0.08	33	<3	<5	<2	6	46	<5	<3	114
CH-89 L 0+50W	10+00S	1.3	2.30	15	<3	104	<3	0.23	1.1	15	55	53	3.03	0.16	1.01	300	2	0.02	106	0.03	35	<3	<5	<2	6	34	<5	<3	130
CH-89 L 1+50W	0+00	1.0	1.98	<3	<3	530	<3	0.80	1.2	10	20	31	2.13	0.19	0.56	2527	1	0.03	22	0.10	38	<3	<5	<2	6	125	<5	<3	159
CH-89 L 1+50W	0+50S	2.0	2.08	23	<3	137	<3	2.48	1.2	18	38	81	2.93	0.46	0.96	593	1	0.04	34	0.09	50	<3	<5	<2	6	113	<5	<3	113
CH-89 L 1+50W	1+00S	0.5	1.49	3	<3	283	<3	0.49	0.5	6	10	16	1.06	0.13	0.28	956	<1	0.01	19	0.15	25	<3	<5	<2	5	62	<5	<3	173
CH-89 L 1+50W	1+50S	0.9	1.73	15	<3	116	<3	1.33	1.3	14	38	52	2.70	0.27	1.00	592	2	0.02	44	0.11	34	<3	<5	<2	6	79	<5	<3	139
CH-89 L 1+50W	2+00S	0.6	1.12	27	<3	55	<3	0.37	1.3	11	28	35	2.29	0.13	0.71	427	2	0.02	34	0.11	28	<3	<5	<2	5	32	<5	<3	121
CH-89 L 1+50W	2+50S	0.6	1.78	24	<3	120	<3	0.59	1.3	18	37	52	2.75	0.18	0.97	692	2	0.02	37	0.09	35	<3	<5	<2	6	48	<5	<3	145
CH-89 L 1+50W	3+00S	0.8	2.86	7	<3	72	<3	0.11	0.4	7	8	20	1.33	0.06	0.22	169	1	0.02	16	0.10	32	<3	<5	<2	6	17	<5	<3	76
CH-89 L 1+50W	3+50S	0.7	1.90	16	<3	108	<3	1.06	1.3	18	33	55	2.75	0.24	0.95	597	2	0.02	40	0.05	34	<3	<5	<2	6	46	<5	<3	105
CH-89 L 1+50W	4+00S	0.1	1.49	14	<3	82	<3	0.14	0.3	8	13	20	1.48	0.07	0.31	273	1	0.01	17	0.02	27	<3	<5	<2	5	21	<5	<3	69
CH-89 L 1+50W	4+50S	0.2	2.08	3	<3	160	<3	0.15	0.5	8	10	15	1.42	0.07	0.27	641	<1	0.01	16	0.26	28	<3	<5	<2	6	23	<5	<3	201
CH-89 L 1+50W	5+00S	0.3	2.91	5	<3	117	<3	0.17	0.4	8	11	22	1.50	0.09	0.31	489	1	0.02	19	0.25	34	<3	<5	<2	7	19	<5	<3	101
CH-89 L 1+50W	5+50S	0.4	2.42	5	<3	81	<3	0.29	0.6	12	23	51	2.48	0.12	0.70	283	1	0.01	28	0.08	29	<3	<5	<2	7	23	<5	<3	91
CH-89 L 1+50W	6+50S	0.8	1.65	27	<3	45	<3	4.13	1.3	17	25	74	2.87	0.65	1.18	504	2	0.01	27	0.07	29	<3	<5	<2	6	109	<5	<3	99
CH-89 L 1+50W	7+00S	0.7	2.76	7	<3	111	<3	0.35	1.1	13	23	56	2.65	0.14	0.80	469	1	0.02	29	0.09	36	<3	<5	<2	7	25	<5	<3	110
CH-89 L 1+50W	7+50S	0.8	2.22	17	<3	91	<3	0.66	0.9	14	29	56	2.76	0.19	0.96	580	1	0.01	33	0.08	36	<3	<5	<2	7	36	<5	<3	116
CH-89 L 1+50W	8+00S	0.6	3.15	<3	<3	98	<3	0.18	0.1	8	12	23	1.63	0.08	0.33	539	1	0.01	19	0.14	32	<3	<5	<2	7	17	<5	<3	86
CH-89 L 1+50W	8+50S	0.7	2.34	7	<3	81	<3	0.26	1.1	12	20	46	2.55	0.12	0.87	432	1	0.01	23	0.08	32	<3	<5	<2	7	21	<5	<3	93
CH-89 L 1+50W	9+00S	0.8	2.03	11	<3	58	<3	0.53	0.9	12	20	48	2.53	0.18	0.90	371	1	0.01	22	0.05	29	<3	<5	<2	7	22	<5	<3	85
Minimum Detection		0.1	0.01	3	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	3	5	2	2	1	5	3	1
Maximum Detection		50.0	10.00	2000	100	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	100	100	2000	1000	10000	100	1000	20000

REPORT #: 890069 PA ASHWORTH EXPL Proj: 259 Date In: 89/02/17 Date Out:89/02/21 Att: R KIDLARK

Sample Number		Ag ppm	Al %	As ppm	Au ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Pd ppm	Pt ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
CH-89 L 1+50W	9+50S	1.3	2.20	18	<3	50	4	0.48	1.5	16	29	93	3.54	0.19	1.27	586	2	0.03	35	0.04	34	<3	<5	<2	6	23	<5	<3	95
CH-89 L 1+50W	10+00S	0.1	2.28	13	<3	156	<3	0.13	0.5	8	16	16	1.49	0.06	0.28	730	<1	0.01	27	0.22	33	<3	<5	<2	5	21	<5	<3	118
CH-89 L 2+50W	0+50S	0.2	2.14	6	<3	112	<3	0.36	0.6	10	16	29	2.40	0.13	0.62	925	1	0.03	18	0.10	47	<3	<5	<2	5	59	<5	<3	115
CH-89 L 2+50W	1+00S	0.2	1.03	24	<3	52	<3	0.29	1.4	10	24	36	2.21	0.11	0.68	430	2	0.02	32	0.12	25	<3	<5	<2	4	28	<5	<3	132
CH-89 L 2+50W	1+50S	0.2	1.27	25	<3	68	<3	0.39	1.7	12	32	42	2.49	0.14	0.81	535	2	0.02	39	0.10	28	<3	<5	<2	4	37	<5	<3	135
CH-89 L 2+50W	2+00S	0.4	1.71	12	<3	70	<3	0.23	0.9	13	35	39	2.54	0.11	0.95	382	1	0.02	31	0.04	30	<3	<5	<2	6	27	<5	<3	116
CH-89 L 2+50W	2+50S	0.5	3.19	<3	<3	93	<3	0.13	0.3	5	7	15	1.16	0.04	0.15	249	<1	0.02	13	0.26	35	<3	<5	<2	5	19	<5	<3	86
CH-89 L 2+50W	3+00S	0.6	2.53	11	<3	152	<3	0.10	0.3	5	8	12	1.13	0.04	0.17	695	<1	0.01	16	0.35	30	<3	<5	<2	5	19	<5	<3	140
CH-89 L 2+50W	3+50S	0.2	2.88	<3	<3	201	<3	0.27	0.8	8	15	19	1.73	0.11	0.37	232	1	0.01	29	0.07	34	<3	<5	<2	5	50	<5	<3	158
CH-89 L 2+50W	4+00S	0.3	2.07	4	<3	136	<3	0.13	0.6	10	24	28	2.02	0.08	0.58	237	1	0.02	27	0.04	29	<3	<5	<2	5	19	<5	<3	91
CH-89 L 2+50W	4+50S	0.4	1.98	15	<3	65	<3	0.15	1.2	13	29	64	3.17	0.12	1.09	367	2	0.02	34	0.05	31	<3	<5	<2	6	14	<5	<3	122
CH-89 L 2+50W	5+50S	0.5	2.98	3	<3	180	<3	0.16	0.6	9	16	30	1.95	0.08	0.48	423	1	0.02	26	0.19	34	<3	<5	<2	6	26	<5	<3	112
CH-89 L 2+50W	6+00S	4.3	1.82	22	<3	132	<3	3.86	1.9	15	56	104	3.07	0.71	1.09	242	3	0.02	119	0.06	31	<3	<5	<2	4	191	<5	<3	165
CH-89 L 2+50W	6+50S	0.8	2.25	7	<3	148	<3	0.45	1.1	15	59	47	3.29	0.18	0.95	355	8	0.02	128	0.09	34	<3	<5	<2	5	62	<5	<3	170
CH-89 L 2+50W	7+00S	0.3	2.80	25	<3	199	<3	0.22	0.6	10	16	29	2.08	0.09	0.45	323	1	0.02	80	0.09	36	<3	<5	<2	6	45	<5	<3	150
CH-89 L 2+50W	7+50S	0.9	3.98	4	<3	150	<3	0.17	0.5	10	12	34	2.04	0.08	0.41	518	1	0.02	19	0.16	45	<3	<5	<2	7	22	<5	<3	92
CH-89 L 2+50W	8+00S	0.4	2.71	12	<3	100	<3	0.52	0.9	12	22	49	2.68	0.16	0.86	549	1	0.01	24	0.09	36	<3	<5	<2	7	27	<5	<3	103
CH-89 L 2+50W	8+50S	0.3	2.70	8	<3	100	<3	0.14	0.5	11	15	27	2.20	0.08	0.54	313	1	0.01	22	0.04	32	<3	<5	<2	6	14	<5	<3	76
CH-89 L 2+50W	9+00S	0.2	3.18	7	<3	130	<3	0.14	0.3	8	9	25	1.67	0.06	0.35	354	1	0.02	14	0.14	33	<3	<5	<2	6	16	<5	<3	84
CH-89 L 2+50W	9+50S	0.5	3.52	8	<3	118	<3	0.14	0.5	9	11	25	1.87	0.07	0.36	609	1	0.01	16	0.16	38	<3	<5	<2	7	15	<5	<3	99
CH-89 L 2+50W	10+00S	0.5	3.21	<3	<3	155	<3	0.13	0.5	10	17	31	2.06	0.08	0.49	279	1	0.01	45	0.12	39	<3	<5	<2	7	16	<5	<3	138
CH-89 L 3+50W	0+00	0.3	1.72	47	<3	228	<3	0.41	2.2	9	10	29	1.69	0.11	0.31	1444	1	0.02	21	0.34	68	<3	<5	<2	5	90	<5	<3	308
CH-89 L 3+50W	0+50S	0.1	1.33	22	<3	93	<3	0.61	1.7	12	30	42	2.45	0.17	0.82	641	2	0.02	39	0.14	31	<3	<5	<2	5	54	<5	<3	182
CH-89 L 3+50W	1+00S	0.1	1.54	7	<3	121	<3	0.48	0.9	11	31	40	2.28	0.14	0.82	616	1	0.02	31	0.12	30	<3	<5	<2	5	55	<5	<3	143
CH-89 L 3+50W	1+50S	0.1	1.59	10	<3	131	<3	0.47	0.8	12	32	44	2.34	0.14	0.83	724	1	0.02	30	0.14	29	<3	<5	<2	5	58	<5	<3	150
CH-89 L 3+50W	2+00S	0.1	1.52	4	<3	82	<3	0.14	0.1	6	11	14	1.31	0.05	0.35	268	1	0.01	17	0.03	22	<3	<5	<2	4	27	<5	<3	107
CH-89 L 3+50W	2+50S	0.2	1.52	9	<3	99	<3	0.33	0.5	8	18	25	1.80	0.10	0.55	501	1	0.01	21	0.08	28	<3	<5	<2	4	48	<5	<3	142
CH-89 L 3+50W	3+00S	0.1	1.30	5	<3	64	<3	0.17	0.3	6	15	15	1.56	0.09	0.50	223	<1	0.01	18	0.04	19	<3	<5	<2	4	19	<5	<3	88
CH-89 L 3+50W	3+50S	0.2	1.50	3	<3	124	<3	0.30	0.5	7	16	17	1.58	0.09	0.44	569	<1	0.01	17	0.10	36	<3	<5	<2	4	27	<5	<3	124
CH-89 L 3+50W	4+00S	0.1	2.46	4	<3	172	<3	0.22	0.9	8	14	15	1.62	0.08	0.37	729	1	0.01	32	0.18	33	<3	<5	<2	6	27	<5	<3	195
CH-89 L 3+50W	4+50S	0.9	1.48	<3	<3	198	<3	1.27	1.4	14	27	75	3.29	0.31	0.66	297	2	0.01	82	0.06	28	<3	<5	<2	4	145	<5	<3	169
CH-89 L 3+50W	5+00S	0.3	1.65	<3	<3	202	<3	0.43	1.4	12	36	35	2.78	0.16	0.54	754	4	0.02	84	0.10	31	<3	<5	<2	4	74	<5	<3	200
CH-89 L 3+50W	5+50S	0.2	1.99	7	<3	143	<3	0.16	0.5	10	26	27	2.05	0.11	0.58	505	1	0.02	38	0.05	29	<3	<5	<2	6	36	<5	<3	117
CH-89 L 3+50W	6+00S	0.5	2.21	16	<3	120	<3	0.52	1.2	14	39	50	2.84	0.17	0.93	450	2	0.02	49	0.07	33	<3	<5	<2	6	57	<5	<3	131
CH-89 L 3+50W	6+50S	1.3	1.24	243	<3	120	<3	3.98	2.2	21	22	67	3.38	0.75	0.85	374	3	0.01	160	0.10	48	<3	<5	<2	5	332	<5	<3	206
CH-89 L 3+50W	7+00S	0.2	2.11	18	<3	86	<3	0.29	0.6	11	18	35	2.42	0.12	0.76	435	1	0.01	24	0.06	31	<3	<5	<2	6	27	<5	<3	120
CH-89 L 3+50W	7+50S	0.1	2.27	13	<3	188	<3	0.28	0.9	11	19	23	2.35	0.14	0.69	994	1	0.01	34	0.12	34	<3	<5	<2	6	35	<5	<3	176
CH-89 L 3+50W	8+00S	0.4	1.57	36	<3	91	<3	1.53	1.7	16	30	70	3.16	0.35	0.92	606	3	0.01	61	0.11	31	<3	<5	<2	5	104	<5	<3	164
CH-89 L 3+50W	8+50S	0.1	2.66	15	<3	124	<3	0.22	0.8	13	23	39	2.69	0.12	0.86	374	2	0.01	27	0.04	36	<3	<5	<2	8	21	<5	<3	88
Minimum Detection		0.1	0.01	3	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	3	5	2	2	1	5	3	1
Maximum Detection		50.0	10.00	2000	100	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	100	100	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

REPORT #: 890069 PA ASHWORTH EXPL Proj: 259 Date In: 89/02/17 Date Out:89/02/21 Att: R KIDLARK

Sample Number		Ag	Al	As	Au	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Pd	Pt	Sb	Sn	Sr	U	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CH-89 L 3+50W	9+00S	0.8	3.56	14	<3	113	<3	0.14	0.3	9	12	27	1.83	0.08	0.34	360	1	0.02	19	0.11	43	<3	<5	<2	7	16	<5	<3	88
CH-89 L 3+50W	9+50S	0.8	3.98	17	<3	139	<3	0.14	0.7	9	10	25	1.88	0.08	0.29	687	2	0.01	19	0.29	48	<3	<5	<2	7	17	<5	<3	106
CH-89 L 3+50W	10+00S	0.4	2.76	14	<3	132	<3	0.15	0.3	12	17	25	2.13	0.09	0.49	658	1	0.01	24	0.08	38	<3	<5	<2	6	18	<5	<3	114
CH-89 L 4+50W	0+00	0.1	1.04	28	<3	51	<3	0.36	1.2	9	24	33	2.11	0.12	0.67	430	1	0.02	33	0.11	25	<3	<5	<2	3	33	<5	<3	131
CH-89 L 4+50W	0+50S	0.2	1.25	30	<3	80	<3	0.40	1.2	12	31	39	2.48	0.14	0.77	538	2	0.02	36	0.11	27	<3	<5	<2	4	40	<5	<3	166
CH-89 L 4+50W	1+00S	0.5	0.92	13	<3	50	<3	0.15	0.3	7	17	15	1.67	0.07	0.53	302	1	0.02	17	0.10	18	<3	<5	<2	3	17	<5	<3	104
CH-89 L 4+50W	1+50S	0.6	1.46	15	<3	129	<3	0.31	0.8	11	30	26	2.30	0.14	0.89	930	1	0.02	29	0.08	30	<3	<5	<2	5	37	<5	<3	132
CH-89 L 4+50W	2+00S	0.4	1.22	23	<3	61	<3	0.76	0.7	9	19	32	2.05	0.17	0.69	370	1	0.02	25	0.09	28	<3	<5	<2	4	49	<5	<3	88
CH-89 L 4+50W	2+50S	0.3	1.23	13	<3	88	<3	0.19	0.5	9	24	26	1.99	0.09	0.70	310	1	0.02	24	0.08	24	<3	<5	<2	5	23	<5	<3	99
CH-89 L 4+50W	3+00S	0.1	2.48	3	<3	214	<3	0.41	1.5	14	18	52	2.47	0.14	0.52	958	1	0.02	49	0.12	36	<3	<5	<2	5	65	<5	<3	206
CH-89 L 4+50W	3+50S	0.1	1.81	6	<3	261	<3	0.49	0.7	7	7	17	1.21	0.11	0.20	848	<1	0.01	15	0.76	26	<3	<5	<2	4	108	<5	<3	186
CH-89 L 4+50W	4+50S	0.4	2.98	11	<3	176	<3	0.23	0.5	12	17	28	2.09	0.10	0.47	355	1	0.01	33	0.14	39	<3	<5	<2	6	33	<5	<3	164
CH-89 L 4+50W	5+00S	0.4	2.98	4	<3	276	<3	0.27	0.6	10	12	27	1.78	0.09	0.35	402	1	0.02	31	0.05	36	<3	<5	<2	6	45	<5	<3	113
CH-89 L 4+50W	5+50S	0.3	3.26	7	<3	196	<3	0.22	1.1	17	47	39	3.14	0.13	0.69	374	2	0.01	153	0.09	42	<3	<5	<2	6	52	<5	<3	175
CH-89 L 4+50W	6+00S	0.8	2.38	31	<3	143	<3	0.35	0.8	12	39	29	2.34	0.12	0.75	411	2	0.02	75	0.09	38	<3	<5	<2	6	57	<5	<3	144
CH-89 L 4+50W	6+50S	0.4	2.06	137	<3	199	<3	0.48	1.2	17	25	55	3.47	0.18	0.47	522	2	0.02	151	0.09	49	<3	<5	<2	5	84	<5	<3	180
CH-89 L 4+50W	7+00S	0.5	2.33	30	<3	141	<3	0.24	0.6	11	29	29	2.25	0.11	0.71	516	1	0.02	40	0.06	36	<3	<5	<2	6	44	<5	<3	124
CH-89 L 4+50W	7+50S	0.1	1.54	18	<3	173	<3	0.12	0.3	9	36	12	1.82	0.08	0.50	521	<1	0.01	52	0.10	27	<3	<5	<2	5	25	<5	<3	115
CH-89 L 4+50W	8+00S	0.1	2.61	23	<3	154	<3	0.16	0.7	13	57	30	2.68	0.11	0.81	428	2	0.01	99	0.04	37	<3	<5	<2	6	36	<5	<3	123
CH-89 L 4+50W	8+50S	0.2	2.50	11	<3	129	<3	0.22	0.8	14	51	33	2.69	0.12	0.89	324	2	0.01	91	0.03	34	<3	<5	<2	6	43	<5	<3	170
CH-89 L 4+50W	9+00S	0.1	2.21	15	<3	152	<3	0.13	0.5	11	30	22	2.40	0.10	0.64	536	2	0.01	68	0.02	34	<3	<5	<2	5	34	<5	<3	128
CH-89 L 4+50W	9+50S	0.2	1.59	18	<3	119	<3	0.31	0.7	12	40	31	2.35	0.12	0.73	492	2	0.02	55	0.05	31	<3	<5	<2	5	43	<5	<3	108
CH-89 L 4+50W	10+00S	0.4	2.11	33	<3	103	3	0.28	1.3	18	33	44	3.48	0.15	1.09	749	2	0.01	28	0.10	38	<3	<5	<2	7	30	<5	<3	142
CH-89 L 5+50W	0+00	0.5	1.46	17	<3	48	<3	0.17	0.6	11	25	43	2.42	0.10	0.86	235	1	0.01	27	0.02	30	<3	<5	<2	5	18	<5	<3	89
CH-89 L 5+50W	0+50S	0.3	1.93	12	<3	95	<3	0.24	1.1	12	39	48	2.77	0.12	1.03	465	2	0.02	35	0.05	37	<3	<5	<2	6	30	<5	<3	119
CH-89 L 5+50W	1+00S	0.1	1.19	13	<3	49	<3	0.14	0.3	9	21	29	1.95	0.08	0.61	244	1	0.02	24	0.07	23	<3	<5	<2	4	16	<5	<3	75
CH-89 L 5+50W	2+00S	0.2	1.06	21	<3	52	<3	0.12	0.3	9	21	32	2.04	0.08	0.59	184	1	0.02	22	0.07	23	<3	<5	<2	4	17	<5	<3	74
CH-89 L 5+50W	3+00S	0.2	1.98	8	<3	76	<3	0.16	0.5	13	25	29	2.33	0.10	0.71	218	1	0.02	26	0.05	31	<3	<5	<2	6	21	<5	<3	106
CH-89 L 5+50W	3+50S	0.5	2.68	<3	<3	151	<3	0.38	1.3	21	30	67	2.99	0.15	0.70	674	2	0.02	59	0.07	42	<3	<5	<2	7	46	<5	<3	204
CH-89 L 5+50W	4+00S	0.1	1.59	<3	<3	250	<3	0.16	0.5	11	19	19	1.87	0.09	0.46	930	1	0.01	21	0.18	27	<3	<5	<2	4	31	<5	<3	163
CH-89 L 5+50W	4+50S	0.4	1.93	<3	<3	120	<3	0.15	0.5	9	18	24	1.83	0.08	0.53	330	1	0.02	24	0.04	29	<3	<5	<2	5	29	<5	<3	99
CH-89 L 5+50W	5+00S	0.2	1.92	8	<3	125	<3	0.13	0.7	11	22	24	2.15	0.09	0.67	478	1	0.02	23	0.04	31	<3	<5	<2	5	25	<5	<3	102
CH-89 L 5+50W	5+50S	0.4	2.17	13	<3	159	<3	0.30	0.6	12	30	45	2.48	0.12	0.69	610	2	0.02	42	0.09	39	<3	<5	<2	6	47	<5	<3	141
CH-89 L 5+50W	6+00S	0.9	2.29	28	<3	128	<3	0.37	1.2	18	33	88	3.80	0.20	0.71	521	3	0.02	134	0.05	44	<3	<5	<2	6	53	<5	<3	172
CH-89 L 5+50W	6+50S	0.7	2.62	11	<3	133	<3	0.20	0.7	12	27	28	2.01	0.09	0.59	438	1	0.02	55	0.12	35	<3	<5	<2	7	37	<5	<3	121
CH-89 L 5+50W	7+00S	0.3	1.54	13	<3	139	<3	0.15	0.6	10	32	33	2.39	0.10	0.49	513	1	0.01	75	0.11	27	<3	<5	<2	4	34	<5	<3	179
CH-89 L 5+50W	7+50S	0.1	2.36	3	<3	283	<3	0.37	1.5	17	74	51	3.71	0.18	0.90	644	2	0.01	166	0.06	34	<3	<5	<2	5	58	<5	<3	191
CH-89 L 5+50W	8+00S	0.3	1.57	18	<3	90	<3	0.15	0.7	14	37	44	2.80	0.11	0.83	285	2	0.02	49	0.03	28	<3	<5	<2	6	28	<5	<3	102
CH-89 L 5+50W	8+50S	0.1	2.33	23	<3	155	<3	0.11	0.5	12	32	29	2.57	0.10	0.64	217	2	0.01	77	0.06	34	<3	<5	<2	5	28	<5	<3	127
Minimum Detection		0.1	0.01	3	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	3	5	2	2	1	5	3	1
Maximum Detection		50.0	10.00	2000	100	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	100	100	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

REPORT #: 890069 PA | ASHWORTH EXPL | Proj: 259 | Date In: 89/02/17 | Date Out:89/02/21 | Att: R KIDLARK |

Sample Number	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Pd	Pt	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CH-89 L 5+50W 9+00S	0.6	1.80	51	<3	103	<3	0.20	1.1	15	37	78	3.41	0.14	0.82	173	4	0.03	88	0.02	32	<3	<5	<2	2	35	<5	<3	141
CH-89 L 5+50W 9+50S	0.3	1.93	20	<3	93	<3	0.17	1.3	16	30	85	3.75	0.15	0.89	182	5	0.03	80	0.02	33	<3	<5	<2	2	22	<5	<3	223
CH-89 L 5+50W 10+00S	0.3	2.27	22	<3	164	<3	0.15	0.6	14	26	41	2.76	0.11	0.55	272	2	0.02	59	0.02	32	<3	<5	<2	2	37	<5	<3	111
CH-89 L 5+50W 10+50S	0.2	2.59	48	<3	80	<3	0.16	0.6	13	23	26	2.58	0.11	0.46	244	2	0.02	49	0.02	37	<3	<5	<2	3	17	<5	<3	105
CH-89 L 6+50W 0+00	0.8	2.30	17	<3	63	<3	1.18	1.2	17	29	83	3.09	0.26	1.37	643	2	0.01	27	0.10	36	<3	<5	<2	5	47	<5	<3	114
CH-89 L 6+50W 0+50S	0.2	1.90	11	<3	79	<3	0.21	0.3	12	25	34	2.25	0.10	0.79	310	1	0.02	20	0.06	30	<3	<5	<2	4	24	<5	<3	94
CH-89 L 6+50W 1+00S	0.4	2.04	14	<3	44	<3	0.20	0.7	14	27	55	2.73	0.12	1.14	294	2	0.01	24	0.02	31	<3	<5	<2	5	20	<5	<3	86
CH-89 L 6+50W 1+50S	0.1	1.94	11	<3	119	<3	0.18	0.5	6	8	16	1.64	0.08	0.23	527	1	0.02	18	0.19	32	<3	<5	<2	2	38	<5	<3	198
CH-89 L 6+50W 2+00S	0.5	2.64	13	<3	147	<3	0.12	0.3	10	26	18	1.92	0.08	0.59	468	1	0.02	28	0.15	37	<3	<5	<2	4	23	<5	<3	129
CH-89 L 6+50W 2+50S	0.1	2.51	6	<3	99	<3	0.14	0.3	10	12	24	1.61	0.07	0.32	410	1	0.01	24	0.11	35	<3	<5	<2	3	26	<5	<3	138
CH-89 L 6+50W 3+00S	0.5	2.38	5	<3	155	<3	0.14	1.3	13	20	36	2.42	0.10	0.58	283	3	0.01	46	0.08	34	<3	<5	<2	3	22	<5	<3	239
CH-89 L 6+50W 3+50S	0.5	2.73	<3	<3	197	<3	0.17	0.6	9	14	20	1.64	0.08	0.39	359	1	0.02	28	0.16	36	<3	<5	<2	4	24	<5	<3	140
CH-89 L 6+50W 4+00S	0.1	2.49	47	<3	151	<3	0.09	1.2	17	19	76	3.58	0.14	0.95	456	2	0.01	45	0.08	39	<3	<5	<2	3	21	<5	<3	181
CH-89 L 6+50W 4+50S	0.5	2.11	60	<3	115	<3	0.56	1.1	20	20	99	3.63	0.20	0.58	690	3	0.02	38	0.09	39	<3	<5	<2	3	57	<5	<3	159
CH-89 L 6+50W 5+00S	0.2	2.09	38	<3	94	<3	0.15	0.7	13	23	48	2.97	0.12	0.79	302	2	0.02	31	0.06	37	<3	<5	<2	3	24	<5	<3	122
CH-89 L 6+50W 5+50S	0.1	2.30	8	<3	186	<3	0.14	0.1	9	38	19	1.86	0.08	0.35	181	1	0.02	105	0.09	32	<3	<5	<2	3	37	<5	<3	153
CH-89 L 6+50W 6+00S	0.2	2.40	76	<3	154	<3	0.14	0.5	9	16	32	1.93	0.09	0.44	269	1	0.02	37	0.06	42	<3	<5	<2	3	30	<5	<3	106
CH-89 L 6+50W 6+50S	1.4	3.63	13	<3	219	<3	0.13	0.7	11	31	25	2.21	0.09	0.57	214	2	0.02	105	0.07	43	<3	<5	<2	5	40	<5	<3	120
CH-89 L 6+50W 7+00S	0.1	1.77	14	<3	92	<3	0.15	0.7	11	49	34	2.51	0.11	0.84	185	2	0.01	67	0.03	27	<3	<5	<2	3	27	<5	<3	125
CH-89 L 6+50W 7+50S	0.1	1.83	11	<3	145	<3	0.08	1.1	13	63	33	2.96	0.11	1.19	545	2	0.01	96	0.08	29	<3	<5	<2	2	16	<5	<3	172
CH-89 L 6+50W 8+00S	0.1	2.65	4	<3	178	<3	0.14	1.1	15	69	27	3.09	0.12	1.21	278	3	0.01	107	0.04	37	<3	<5	<2	3	26	<5	<3	157
CH-89 L 6+50W 8+50S	0.1	1.72	29	<3	89	<3	0.15	1.1	14	62	51	2.88	0.12	1.15	182	3	0.01	142	0.03	28	<3	<5	<2	2	26	<5	<3	157
CH-89 L 6+50W 9+00S	0.4	3.27	4	<3	182	<3	0.26	0.7	18	8	142	2.77	0.15	0.58	260	2	0.03	31	0.06	38	<3	<5	<2	5	34	<5	<3	126
CH-89 L 6+50W 9+50S	0.1	3.04	27	<3	279	<3	0.19	1.2	16	29	35	3.49	0.15	0.81	505	2	0.01	80	0.05	41	<3	<5	<2	4	45	<5	<3	233
CH-89 L 6+50W 10+00S	0.1	3.39	6	<3	168	3	0.40	1.2	23	9	99	4.66	0.21	1.06	343	3	0.01	25	0.02	40	<3	<5	<2	5	19	<5	<3	100
CH-89 L 7+50W 0+00	0.1	2.44	4	<3	117	<3	7.84	0.7	17	23	76	2.45	1.12	1.00	500	1	0.02	25	0.07	34	<3	<5	<2	4	103	<5	<3	116
CH-89 L 7+50W 0+50S	0.1	2.56	8	<3	146	<3	0.26	0.7	14	24	38	2.33	0.14	0.63	940	1	0.01	26	0.15	35	<3	<5	<2	5	18	<5	<3	149
CH-89 L 7+50W 1+00S	0.4	2.53	8	<3	156	<3	0.18	0.6	14	23	36	2.28	0.10	0.61	1041	1	0.01	26	0.14	35	<3	<5	<2	5	17	<5	<3	143
CH-89 L 7+50W 1+50S	0.1	2.22	7	<3	141	<3	0.24	0.5	7	10	13	1.79	0.09	0.36	822	1	0.02	13	0.09	34	<3	<5	<2	3	40	<5	<3	151
CH-89 L 7+50W 2+00S	0.1	2.27	3	<3	148	<3	0.26	0.5	7	10	13	1.91	0.10	0.37	1079	1	0.02	12	0.09	36	<3	<5	<2	2	44	<5	<3	155
CH-89 L 7+50W 2+50S	0.2	2.72	8	<3	163	<3	0.28	0.5	10	21	21	1.95	0.11	0.53	437	1	0.01	24	0.13	37	<3	<5	<2	4	47	<5	<3	151
CH-89 L 7+50W 3+00S	0.2	1.95	22	<3	118	<3	0.31	0.7	7	12	25	1.86	0.11	0.43	699	1	0.02	14	0.15	36	<3	<5	<2	3	51	<5	<3	125
CH-89 L 7+50W 3+50S	0.1	2.93	18	<3	150	<3	0.21	1.1	20	24	58	3.00	0.13	0.82	726	2	0.01	32	0.12	42	<3	<5	<2	4	37	<5	<3	184
CH-89 L 7+50W 4+00S	0.1	3.35	20	<3	156	<3	0.17	0.5	13	15	42	2.26	0.10	0.45	523	2	0.01	38	0.18	41	<3	<5	<2	4	32	<5	<3	159
CH-89 L 7+50W 4+50S	0.2	3.99	38	<3	111	<3	0.20	0.5	14	15	47	2.49	0.11	0.65	315	2	0.01	20	0.10	44	<3	<5	<2	6	19	<5	<3	102
CH-89 L 7+50W 5+00S	0.1	2.32	20	<3	185	<3	0.16	0.3	11	19	36	2.46	0.11	0.37	210	3	0.02	66	0.03	34	<3	<5	<2	3	40	<5	<3	116
CH-89 L 7+50W 5+50S	0.4	2.52	6	<3	173	<3	0.21	1.1	8	16	15	1.50	0.08	0.27	595	1	0.01	37	0.27	33	<3	<5	<2	4	37	<5	<3	220
CH-89 L 7+50W 6+00S	0.1	1.81	12	<3	175	<3	0.18	0.7	13	20	40	2.46	0.11	0.37	665	3	0.01	58	0.08	32	<3	<5	<2	2	43	<5	<3	166
CH-89 L 7+50W 6+50S	0.1	1.57	61	<3	156	<3	0.20	1.1	18	23	57	3.51	0.17	0.36	362	5	0.02	171	0.05	35	<3	<5	<2	2	41	<5	<3	146
Minimum Detection	0.1	0.01	3	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	3	5	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	100	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	100	100	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

REPORT #: 890069 PA ASHWORTH EXPL Proj: 259 Date In: 89/02/17 Date Out:89/02/21 Att: R KIDLARK

Sample Number		Ag	Al	As	Au	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Pd	Pt	Sb	Sn	Sr	U	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CH-89 L 7+50W	7+00S	0.3	1.93	28	<3	168	<3	0.14	0.7	10	18	38	2.39	0.09	0.35	183	2	0.01	67	0.03	36	<3	<5	<2	6	35	<5	<3	117
CH-89 L 7+50W	7+50S	0.1	1.37	55	<3	160	<3	0.24	0.4	14	22	50	2.99	0.14	0.24	284	1	0.01	161	0.05	34	<3	<5	<2	5	54	<5	<3	156
CH-89 L 7+50W	8+00S	0.1	2.87	22	<3	300	<3	0.24	0.6	11	25	51	2.46	0.11	0.54	426	2	0.01	56	0.25	42	<3	<5	<2	7	47	<5	<3	137
CH-89 L 7+50W	8+50S	0.1	2.27	24	<3	170	<3	0.19	1.3	21	11	43	4.34	0.18	0.79	976	2	0.01	28	0.12	40	<3	<5	<2	7	30	<5	<3	124
CH-89 L 7+50W	9+00S	0.1	2.79	11	<3	193	<3	0.15	0.8	15	21	32	2.89	0.14	0.66	733	2	0.01	29	0.15	42	<3	<5	<2	7	27	<5	<3	147
CH-89 L 7+50W	9+50S	0.1	2.34	14	<3	158	<3	0.14	0.2	9	17	21	1.67	0.06	0.45	359	1	0.01	27	0.08	35	<3	<5	<2	7	24	<5	<3	111
CH-89 L 7+50W	10+00S	0.4	3.85	70	<3	111	<3	0.17	0.4	14	16	47	2.60	0.11	0.68	354	2	0.01	22	0.10	50	<3	<5	<2	9	16	<5	<3	108
CH-89 L 8+00W	0+00	0.3	3.05	32	<3	183	<3	0.13	1.1	9	14	21	2.12	0.08	0.35	795	1	0.01	26	0.09	52	<3	<5	<2	7	35	<5	<3	366
CH-89 L 8+00W	0+50N	0.1	2.36	12	<3	141	<3	0.35	1.1	10	17	25	1.97	0.11	0.67	918	1	0.01	18	0.16	34	<3	<5	<2	7	40	<5	<3	233
CH-89 L 8+00W	0+50S	1.6	1.73	13	<3	49	<3	0.31	0.6	9	33	57	2.61	0.13	0.74	257	1	0.02	30	0.04	37	<3	<5	<2	7	37	<5	<3	92
CH-89 L 8+00W	1+00S	2.4	1.44	8	<3	76	<3	>10.00	0.7	15	21	76	2.27	3.03	1.32	486	1	0.01	24	0.04	35	<3	<5	<2	6	328	<5	<3	76
CH-89 L 8+00W	2+00S	0.6	2.08	10	<3	101	<3	0.34	0.6	9	18	28	1.85	0.10	0.50	439	1	0.01	22	0.04	50	<3	<5	<2	6	31	<5	<3	163
CH-89 L 8+00W	2+50S	0.4	1.85	3	<3	118	<3	0.17	0.2	9	24	23	1.87	0.08	0.66	267	<1	0.01	22	0.03	32	<3	<5	<2	7	23	<5	<3	107
CH-89 L 8+00W	3+00S	0.4	2.50	16	<3	131	<3	0.14	0.8	9	19	22	2.04	0.08	0.64	291	1	0.01	25	0.08	38	<3	<5	<2	7	24	<5	<3	132
CH-89 L 8+00W	3+50S	1.7	2.53	107	<3	86	<3	0.28	1.1	17	29	87	3.92	0.18	1.09	636	2	0.01	29	0.06	68	<3	<5	<2	7	45	<5	<3	112
CH-89 L 8+00W	4+00S	0.1	1.84	4	<3	133	<3	0.24	0.7	11	25	27	1.93	0.09	0.66	551	<1	0.01	28	0.09	33	<3	<5	<2	6	30	<5	<3	139
CH-89 L 8+00W	4+50S	0.1	2.16	19	<3	139	<3	0.10	1.8	14	16	77	3.59	0.14	0.67	243	4	0.01	52	0.04	39	<3	<5	<2	6	21	<5	<3	245
CH-89 L 8+00W	5+00S	0.4	2.75	42	<3	139	<3	0.13	0.4	11	15	36	2.36	0.09	0.50	380	2	0.01	27	0.11	39	<3	<5	<2	7	24	<5	<3	144
CH-89 L 8+00W	5+50S	0.3	2.79	17	<3	138	<3	0.14	0.6	12	19	30	2.21	0.09	0.47	418	1	0.01	25	0.05	40	<3	<5	<2	7	22	<5	<3	111
CH-89 L 8+00W	6+00S	0.1	2.66	16	<3	239	<3	0.12	1.1	13	18	53	2.59	0.10	0.46	381	4	0.01	52	0.07	42	<3	<5	<2	7	27	<5	<3	180
CH-89 L 8+00W	6+50S	0.1	1.39	8	<3	127	<3	0.14	0.8	17	17	42	2.71	0.11	0.31	349	2	0.01	118	0.04	29	<3	<5	<2	5	27	<5	<3	160
CH-89 L 8+00W	7+00S	0.1	2.40	12	<3	165	<3	0.15	0.4	10	25	40	2.24	0.09	0.51	177	1	0.01	56	0.02	34	<3	<5	<2	6	33	<5	<3	99
CH-89 L 8+00W	7+50S	0.3	2.59	98	<3	211	<3	0.30	0.4	14	19	62	3.20	0.15	0.34	202	3	0.02	110	0.04	44	<3	<5	<2	7	62	<5	<3	139
CH-89 L 8+00W	8+00S	0.1	1.22	49	<3	97	<3	0.12	0.2	12	18	39	2.63	0.10	0.35	184	2	0.01	98	0.05	27	<3	<5	<2	5	26	<5	<3	127
CH-89 L 8+00W	8+50S	0.1	1.92	21	<3	170	<3	0.18	0.4	12	25	42	2.81	0.14	0.33	337	1	0.01	104	0.05	34	<3	<5	<2	6	42	<5	<3	128
CH-89 L 8+00W	9+00S	0.1	3.02	44	<3	162	<3	0.27	1.1	21	17	74	3.71	0.17	0.91	464	2	0.01	39	0.11	46	<3	<5	<2	7	33	<5	<3	156
CH-89 L 8+00W	9+50S	0.1	2.85	40	<3	204	3	0.31	1.3	23	13	84	4.54	0.22	0.82	451	2	0.01	25	0.06	43	<3	<5	<2	8	24	<5	<3	120
CH-89 L 8+00W	10+00S	0.1	2.47	16	<3	188	<3	0.14	0.2	10	15	26	1.90	0.08	0.43	513	1	0.01	28	0.16	34	<3	<5	<2	6	19	<5	<3	114
CH-89 L 8+50W	0+00	0.1	2.87	29	<3	144	<3	0.27	0.4	11	14	19	2.33	0.11	0.45	703	1	0.02	19	0.20	46	<3	<5	<2	7	52	<5	<3	106
CH-89 L 8+50W	0+50S	0.1	2.14	9	<3	131	<3	0.17	0.4	9	25	22	2.13	0.09	0.65	222	1	0.01	22	0.05	35	<3	<5	<2	6	25	<5	<3	101
CH-89 L 8+50W	1+00S	0.3	2.67	10	<3	163	<3	0.19	0.6	8	17	22	1.76	0.08	0.41	486	1	0.02	19	0.14	38	<3	<5	<2	7	31	<5	<3	131
CH-89 L 8+50W	1+50S	1.2	1.42	6	<3	87	<3	>10.00	1.1	15	17	76	2.06	2.16	1.04	468	<1	0.01	19	0.09	29	<3	<5	<2	5	148	<5	<3	73
CH-89 L 8+50W	2+00S	0.1	1.97	12	<3	96	<3	0.31	0.2	5	9	13	1.31	0.08	0.27	316	<1	0.01	12	0.14	35	<3	<5	<2	6	31	<5	<3	124
CH-89 L 8+50W	2+50S	0.1	2.39	17	<3	90	<3	0.22	0.4	12	25	44	2.46	0.11	0.98	436	1	0.01	22	0.08	33	<3	<5	<2	7	24	<5	<3	87
CH-89 L 8+50W	3+00S	0.4	2.41	23	<3	66	<3	0.20	0.7	14	27	58	2.76	0.12	1.17	404	2	0.01	24	0.05	34	<3	<5	<2	8	21	<5	<3	79
CH-89 L 8+50W	3+50S	0.1	2.42	17	<3	110	<3	0.23	0.4	11	24	42	2.36	0.11	0.91	581	1	0.01	21	0.10	36	<3	<5	<2	8	24	<5	<3	95
CH-89 L 8+50W	4+00S	0.1	2.80	16	<3	164	<3	0.19	0.6	10	16	28	1.99	0.09	0.49	261	1	0.01	21	0.06	40	<3	<5	<2	7	35	<5	<3	96
CH-89 L 8+50W	4+50S	0.4	2.06	10	<3	136	<3	0.16	0.6	8	16	25	1.92	0.08	0.55	227	1	0.01	22	0.04	33	<3	<5	<2	6	24	<5	<3	114
CH-89 L 8+50W	5+00S	0.4	2.92	18	<3	131	<3	0.20	0.8	10	9	31	1.80	0.08	0.38	332	2	0.01	29	0.13	38	<3	<5	<2	7	29	<5	<3	111
Minimum Detection		0.1	0.01	3	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	3	5	2	2	1	5	3	1
Maximum Detection		50.0	10.00	2000	100	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	100	100	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

REPORT #: B90069 PA ASHWORTH EXPL Proj: 259 Date In: 89/02/17 Date Out:89/02/21 Att: R KIDLARK

Sample Number	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Pd	Pt	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CH-89 L 8+50W 5+50S	0.6	3.56	36	<3	122	<3	0.18	0.3	12	17	34	2.02	0.09	0.42	338	1	0.02	32	0.14	48	<3	<5	<2	9	30	<5	<3	118
CH-89 L 8+50W 6+00S	0.4	3.03	81	<3	192	3	0.34	0.9	28	18	139	4.02	0.19	0.55	710	4	0.01	52	0.13	49	<3	<5	<2	7	55	<5	<3	197
CH-89 L 8+50W 6+50S	0.1	2.18	9	<3	183	<3	0.22	1.1	19	26	65	4.06	0.17	0.40	318	9	0.02	176	0.05	43	<3	<5	<2	6	45	<5	<3	210
CH-89 L 8+50W 7+00S	0.1	2.61	16	<3	196	<3	0.19	0.5	14	32	31	2.46	0.11	0.57	395	1	0.01	94	0.06	41	<3	<5	<2	7	37	<5	<3	142
CH-89 L 8+50W 7+50S	0.2	2.91	39	<3	227	<3	0.15	0.5	14	26	32	2.60	0.11	0.37	246	2	0.01	82	0.07	44	<3	<5	<2	7	34	<5	<3	169
CH-89 L 8+50W 8+00S	0.1	2.40	24	<3	198	<3	0.15	0.5	17	27	46	3.21	0.13	0.37	343	2	0.02	190	0.06	41	<3	<5	<2	6	44	<5	<3	143
CH-89 L 8+50W 8+50S	0.2	2.08	39	<3	176	<3	0.24	0.5	14	16	74	3.35	0.17	0.27	174	3	0.03	111	0.03	41	<3	<5	<2	6	50	<5	<3	148
CH-89 L 8+50W 9+00S	0.2	2.06	27	<3	166	<3	0.14	0.1	10	20	32	2.26	0.10	0.33	226	3	0.02	69	0.07	35	<3	<5	<2	6	34	<5	<3	124
CH-89 L 8+50W 9+50S	0.3	3.06	19	<3	156	<3	0.19	0.5	11	16	27	2.26	0.10	0.50	431	1	0.01	42	0.07	42	<3	<5	<2	7	27	<5	<3	132
CH-89 L 8+50W 10+00S	0.1	2.57	14	<3	114	<3	0.30	0.5	11	14	21	2.47	0.12	0.85	386	1	0.01	19	0.04	35	<3	<5	<2	7	21	<5	<3	115
CH-89 L 9+50W 0+00	1.1	3.43	27	<3	234	<3	0.14	0.5	9	23	22	1.87	0.08	0.49	315	1	0.01	50	0.44	43	<3	<5	<2	8	26	<5	<3	150
CH-89 L 9+50W 0+50S	0.2	4.02	30	<3	85	<3	0.27	0.1	6	8	16	1.42	0.10	0.17	329	1	0.02	15	0.30	50	<3	<5	<2	9	34	<5	<3	85
CH-89 L 9+50W 1+00S	0.1	2.18	6	<3	144	<3	0.20	0.1	5	11	15	1.20	0.07	0.24	437	1	0.01	16	0.14	32	<3	<5	<2	6	36	<5	<3	118
CH-89 L 9+50W 1+50S	0.1	2.36	6	<3	105	<3	0.22	0.1	10	23	20	1.96	0.10	0.53	227	1	0.02	20	0.02	37	<3	<5	<2	7	37	<5	<3	87
CH-89 L 9+50W 2+00S	0.1	2.57	17	<3	132	<3	0.41	0.3	9	19	30	2.66	0.15	0.71	808	1	0.03	17	0.06	49	<3	<5	<2	7	64	<5	<3	128
CH-89 L 9+50W 2+50S	0.2	2.30	26	<3	98	3	0.33	0.9	16	29	48	2.94	0.14	1.27	633	1	0.01	26	0.09	36	<3	<5	<2	8	39	<5	<3	125
CH-89 L 9+50W 3+00S	2.2	0.87	<3	<3	87	<3	>10.00	0.1	3	11	43	0.92	5.02	0.48	350	<1	0.01	17	0.08	24	<3	<5	<2	2	206	<5	<3	71
CH-89 L 9+50W 3+50S	0.2	4.03	38	<3	125	<3	0.34	0.5	15	23	49	2.67	0.14	0.78	458	2	0.01	30	0.06	47	<3	<5	<2	9	28	<5	<3	100
CH-89 L 9+50W 4+00S	0.6	2.86	17	<3	96	<3	0.31	0.3	9	11	47	1.61	0.09	0.27	551	1	0.03	18	0.14	37	<3	<5	<2	7	30	<5	<3	143
CH-89 L 9+50W 4+50S	0.6	4.84	43	<3	91	<3	0.23	0.3	13	15	45	2.28	0.11	0.47	376	2	0.02	22	0.15	54	<3	<5	<2	10	31	<5	<3	102
CH-89 L 9+50W 5+00S	0.6	4.16	55	<3	157	<3	0.23	1.2	18	21	76	3.33	0.15	0.70	468	3	0.01	75	0.23	58	<3	<5	<2	9	38	<5	<3	169
CH-89 L 9+50W 5+50S	0.1	3.71	45	<3	190	<3	0.14	1.2	19	39	34	2.96	0.12	0.73	787	1	0.01	41	0.30	50	<3	<5	<2	9	23	<5	<3	246
CH-89 L 9+50W 6+00S	0.6	4.04	40	<3	120	<3	0.17	0.1	9	10	29	1.82	0.08	0.27	223	1	0.02	26	0.11	49	<3	<5	<2	9	26	<5	<3	102
CH-89 L 9+50W 6+50S	0.9	2.83	23	<3	211	<3	0.18	1.2	10	15	28	2.05	0.10	0.26	475	2	0.01	65	0.15	42	<3	<5	<2	7	32	<5	<3	219
CH-89 L 9+50W 7+00S	0.2	2.01	9	<3	166	<3	0.26	0.3	11	21	41	2.52	0.12	0.38	215	4	0.02	81	0.05	36	<3	<5	<2	6	40	<5	<3	128
CH-89 L 9+50W 7+50S	0.6	2.43	22	<3	108	<3	0.39	0.1	8	15	20	1.59	0.10	0.26	370	1	0.02	34	0.13	35	<3	<5	<2	7	26	<5	<3	85
CH-89 L 9+50W 8+00S	0.6	2.47	20	<3	128	<3	0.20	0.3	9	17	27	1.95	0.09	0.50	273	1	0.01	37	0.13	37	<3	<5	<2	7	24	<5	<3	97
CH-89 L 9+50W 8+50S	1.1	2.88	19	<3	151	<3	0.14	0.1	8	12	18	1.66	0.07	0.24	398	1	0.01	29	0.18	42	<3	<5	<2	7	22	<5	<3	92
CH-89 L 9+50W 9+00S	0.1	1.90	15	<3	125	<3	0.12	0.1	9	17	30	1.99	0.08	0.40	185	1	0.01	36	0.07	32	<3	<5	<2	6	18	<5	<3	96
CH-89 L 9+50W 9+50S	0.2	1.58	20	<3	79	<3	0.12	0.1	9	21	41	2.23	0.09	0.49	210	1	0.02	34	0.05	28	<3	<5	<2	5	17	<5	<3	95
CH-89 L 9+50W 10+00S	0.2	1.76	19	<3	101	<3	0.10	0.3	10	21	34	2.11	0.09	0.44	479	1	0.01	40	0.11	34	<3	<5	<2	6	18	<5	<3	111
CH-89 L14+00W 0+00	0.1	1.79	17	<3	161	<3	0.18	0.1	5	7	9	1.30	0.07	0.23	1083	1	0.01	9	0.21	56	<3	<5	<2	6	37	<5	<3	113
CH-89 L14+00W 0+50N	0.1	1.20	4	<3	94	<3	0.14	0.1	8	20	16	1.65	0.08	0.49	468	1	0.02	16	0.04	27	<3	<5	<2	5	27	<5	<3	84
CH-89 L14+00W 1+00N	0.1	1.25	<3	<3	191	<3	0.14	0.1	6	10	11	1.28	0.06	0.29	1050	1	0.01	11	0.19	30	<3	<5	<2	5	32	<5	<3	127
CH-89 L14+00W 1+50N	0.1	2.53	23	<3	102	<3	0.22	0.5	11	28	30	2.51	0.12	0.74	594	1	0.03	22	0.10	42	<3	<5	<2	7	36	<5	<3	125
CH-89 L14+00W 2+00N	0.1	1.60	16	<3	99	<3	0.70	0.5	10	9	11	2.05	0.17	0.69	1240	1	0.01	8	0.10	44	<3	<5	<2	5	171	<5	<3	88
CH-89 L14+00W 2+50N	0.1	1.71	<3	<3	265	<3	0.70	1.1	8	15	19	1.52	0.15	0.44	1634	1	0.01	19	0.29	50	<3	<5	<2	6	99	<5	<3	195
CH-89 L14+00W 0+50S	0.2	2.55	84	<3	168	<3	0.22	1.3	9	13	17	1.98	0.10	0.32	947	1	0.01	14	0.10	46	<3	<5	<2	6	32	<5	<3	152
CH-89 L14+00W 1+00S	0.2	1.71	12	<3	154	<3	0.34	0.9	9	16	17	1.71	0.11	0.48	950	1	0.01	18	0.07	40	<3	<5	<2	6	48	<5	<3	152
Minimum Detection	0.1	0.01	3	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	3	5	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	100	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	100	100	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

REPORT #: 890069 PA ASHWORTH EXPL Proj: 259 Date In: 89/02/17 Date Out:89/02/21 Att: R KIDLARK

Sample Number		Ag	Al	As	Au	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Pd	Pt	Sb	Sn	Sr	U	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CH-89 L14+00W	1+50S	0.7	3.06	41	<3	148	3	0.26	1.4	25	24	77	3.38	0.16	1.30	843	3	0.01	29	0.09	43	<3	<5	<2	10	42	<5	<3	172
CH-89 L14+00W	2+00S	0.1	1.42	18	<3	111	<3	0.16	0.5	12	16	38	2.17	0.10	0.62	520	1	0.01	23	0.09	26	<3	<5	<2	5	25	<5	<3	125
CH-89 L14+00W	2+50S	0.1	2.45	16	<3	202	<3	0.19	0.6	18	15	45	2.24	0.11	0.74	876	1	0.01	25	0.22	34	<3	<5	<2	7	32	<5	<3	171
CH-89 L14+00W	3+00S	0.2	2.78	27	<3	159	<3	0.16	0.8	9	17	22	1.72	0.08	0.38	550	2	0.01	38	0.29	36	<3	<5	<2	7	31	<5	<3	160
CH-89 L14+00W	3+50S	0.1	2.20	16	<3	120	<3	0.11	0.5	7	10	14	1.20	0.06	0.22	513	1	0.01	27	0.20	29	<3	<5	<2	6	21	<5	<3	187
CH-89 L14+00W	4+50S	0.1	2.40	26	<3	169	<3	0.24	0.6	12	15	21	2.16	0.11	0.38	774	2	0.01	23	0.05	35	<3	<5	<2	6	37	<5	<3	122
CH-89 L14+00W	5+00S	0.1	2.68	46	<3	153	<3	0.15	0.5	11	13	29	2.04	0.09	0.32	389	2	0.01	48	0.10	36	<3	<5	<2	7	34	<5	<3	130
CH-89 L14+00W	5+50S	0.2	2.91	31	<3	184	<3	0.18	0.5	10	12	25	1.92	0.09	0.34	459	2	0.01	45	0.06	39	<3	<5	<2	7	41	<5	<3	113
CH-89 L14+00W	6+00S	0.1	1.81	18	<3	181	<3	0.11	0.3	9	14	15	1.71	0.08	0.33	498	1	0.01	34	0.05	26	<3	<5	<2	5	33	<5	<3	130
CH-89 L14+00W	6+50S	0.1	2.03	30	<3	109	<3	0.12	0.5	10	17	20	1.77	0.08	0.35	280	2	0.01	42	0.04	29	<3	<5	<2	6	27	<5	<3	104
CH-89 L14+00W	7+00S	0.1	1.35	36	<3	96	<3	0.14	0.5	10	17	24	1.98	0.09	0.35	288	2	0.01	53	0.05	25	<3	<5	<2	5	29	<5	<3	104
CH-89 L14+00W	7+50S	0.1	1.73	38	<3	129	<3	0.12	0.3	9	22	16	1.65	0.07	0.35	272	<1	0.01	58	0.07	27	<3	<5	<2	5	23	<5	<3	109
CH-89 L14+00W	8+00S	0.1	1.63	40	<3	134	<3	0.16	0.5	11	30	31	2.20	0.10	0.54	439	1	0.01	59	0.07	29	<3	<5	<2	6	30	<5	<3	113
CH-89 L14+00W	8+50S	0.3	2.44	22	<3	193	<3	0.22	0.9	13	19	35	2.10	0.11	0.69	984	1	0.01	24	0.18	34	<3	<5	<2	7	30	<5	<3	139
CH-89 L14+00W	9+00S	0.2	3.35	42	<3	161	<3	0.17	1.3	25	34	44	3.33	0.14	1.12	1122	2	0.01	27	0.42	42	<3	<5	<2	9	20	<5	<3	210
CH-89 L14+00W	9+50S	0.1	2.90	36	<3	247	<3	0.17	0.5	15	18	20	2.24	0.10	0.37	860	1	0.01	14	0.77	39	<3	<5	<2	9	27	<5	<3	140
CH-89 L14+00W	10+00S	0.3	2.97	25	<3	110	<3	0.20	0.5	12	14	32	1.98	0.10	0.60	603	2	0.01	17	0.14	37	<3	<5	<2	8	26	<5	<3	87
CH-89 L15+00W	0+00	0.1	2.20	75	<3	158	<3	0.16	0.6	11	19	28	1.86	0.09	0.42	641	1	0.01	28	0.17	36	<3	<5	<2	6	27	<5	<3	124
CH-89 L15+00W	0+50N	0.1	2.52	24	<3	160	<3	0.13	0.3	8	16	17	1.58	0.07	0.33	558	1	0.01	21	0.20	41	<3	<5	<2	6	26	<5	<3	202
CH-89 L15+00W	1+00N	0.2	1.35	19	<3	71	<3	0.16	0.8	9	27	22	1.91	0.09	0.67	287	<1	0.01	20	0.02	25	<3	<5	<2	5	27	<5	<3	109
CH-89 L15+00W	1+50N	0.3	2.09	8	<3	86	<3	0.25	0.1	6	8	12	1.36	0.08	0.24	519	<1	0.01	16	0.12	42	<3	<5	<2	6	43	<5	<3	86
CH-89 L15+00W	2+00N	0.2	1.59	17	<3	121	<3	0.45	1.3	13	27	41	2.33	0.15	0.71	1332	1	0.02	31	0.15	35	<3	<5	<2	6	66	<5	<3	148
CH-89 L15+00W	0+50S	0.2	1.78	93	<3	76	<3	0.12	0.5	9	18	37	2.08	0.09	0.58	214	1	0.01	22	0.02	34	<3	<5	<2	6	17	<5	<3	101
CH-89 L15+00W	1+00S	0.3	1.60	7	<3	124	<3	0.09	0.3	7	12	13	1.23	0.05	0.30	409	<1	0.01	18	0.11	26	<3	<5	<2	5	18	<5	<3	67
CH-89 L15+00W	1+50S	0.2	2.28	30	<3	102	<3	0.14	0.8	15	18	46	2.45	0.11	0.72	472	2	0.01	26	0.09	35	<3	<5	<2	7	28	<5	<3	135
CH-89 L15+00W	2+00S	0.2	1.94	17	<3	138	<3	0.13	0.3	8	13	17	1.48	0.07	0.30	422	1	0.01	22	0.21	29	<3	<5	<2	5	24	<5	<3	118
CH-89 L15+00W	2+50S	0.3	1.87	19	<3	157	<3	0.11	1.1	8	9	13	1.31	0.06	0.20	683	1	0.01	36	0.26	31	<3	<5	<2	6	25	<5	<3	194
CH-89 L15+00W	3+00S	0.6	3.51	24	<3	103	<3	0.16	0.5	11	8	35	1.85	0.09	0.30	387	2	0.02	31	0.15	44	<3	<5	<2	8	28	<5	<3	106
CH-89 L15+00W	3+50S	0.4	1.95	23	<3	133	<3	0.22	0.9	11	10	20	1.54	0.09	0.33	879	1	0.01	26	0.16	33	<3	<5	<2	6	32	<5	<3	153
CH-89 L15+00W	4+00S	0.6	2.06	25	<3	122	<3	0.11	0.6	11	20	37	2.16	0.09	0.65	272	1	0.02	25	0.06	35	<3	<5	<2	7	17	<5	<3	113
CH-89 L15+00W	4+50S	0.4	1.06	113	<3	84	<3	0.13	1.2	18	10	75	4.46	0.18	0.30	563	3	0.01	44	0.08	28	<3	<5	<2	5	18	<5	<3	173
CH-89 L15+00W	5+00S	0.5	1.53	35	<3	86	<3	0.10	0.8	13	22	43	2.42	0.10	0.71	388	1	0.02	25	0.05	30	<3	<5	<2	5	18	<5	<3	93
CH-89 L15+00W	5+50S	0.3	1.61	24	<3	160	<3	0.16	0.5	8	9	15	1.50	0.08	0.15	668	1	0.01	38	0.18	30	<3	<5	<2	6	44	<5	<3	145
CH-89 L15+00W	6+00S	0.5	1.81	58	<3	166	<3	0.11	0.5	11	12	18	1.87	0.08	0.20	405	2	0.01	50	0.07	33	<3	<5	<2	6	29	<5	<3	168
CH-89 L15+00W	6+50S	0.6	1.79	62	<3	123	<3	0.61	1.2	16	17	66	3.64	0.21	0.35	219	5	0.02	134	0.04	36	<3	<5	<2	6	71	<5	<3	141
CH-89 L15+00W	7+00S	0.1	2.16	88	<3	177	<3	0.16	0.5	12	29	20	2.35	0.10	0.43	376	1	0.01	83	0.03	34	<3	<5	<2	6	33	<5	<3	89
CH-89 L15+00W	7+50S	0.2	1.64	31	<3	95	<3	0.13	0.6	9	42	20	1.95	0.08	0.73	200	1	0.01	58	0.04	27	<3	<5	<2	6	21	<5	<3	85
CH-89 L15+00W	8+00S	0.6	2.07	53	<3	97	<3	0.20	0.5	11	39	35	2.39	0.11	0.77	189	1	0.01	58	0.05	33	<3	<5	<2	6	27	<5	<3	85
CH-89 L15+00W	8+50S	1.3	2.30	98	<3	87	<3	1.22	1.7	25	80	95	3.96	0.30	1.67	783	3	0.01	66	0.11	41	<3	<5	<2	7	49	<5	<3	123
Minimum Detection		0.1	0.01	3	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	3	5	2	2	1	5	3	1
Maximum Detection		50.0	10.00	2000	100	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	100	100	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

REPORT #: B90069 PA ASHWORTH EXPL Proj: 259 Date In: 89/02/17 Date Out:89/02/21 Att: R KIDLARK

Sample Number		Ag	Al	As	Au	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Pd	Pt	Sb	Sn	Sr	U	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CH-89 L15+00W	9+00S	0.4	2.77	55	<3	128	<3	0.19	1.2	19	63	56	3.02	0.14	1.31	602	3	0.01	46	0.12	43	<3	<5	<2	7	26	<5	<3	121
CH-89 L15+00W	9+50S	0.5	3.16	56	<3	167	<3	0.15	0.8	20	26	48	3.27	0.14	1.02	700	2	0.01	21	0.59	46	<3	<5	<2	9	23	<5	<3	149
CH-89 L15+00W	10+00S	0.3	2.08	24	<3	194	<3	0.26	0.8	17	21	33	2.63	0.13	0.85	729	1	0.01	15	0.45	36	<3	<5	<2	7	30	<5	<3	136
CH-89 L16+00W	0+00	0.3	1.22	7	<3	58	<3	0.17	0.2	9	25	22	1.67	0.08	0.64	256	1	0.02	19	0.04	26	<3	<5	<2	5	21	<5	<3	75
CH-89 L16+00W	0+50N	0.2	1.16	<3	<3	241	<3	0.17	0.2	7	12	11	1.23	0.07	0.22	1350	1	0.01	13	0.20	29	<3	<5	<2	4	36	<5	<3	225
CH-89 L16+00W	1+00N	0.2	0.94	3	<3	149	<3	0.40	0.8	9	18	15	1.52	0.11	0.46	1115	1	0.01	17	0.08	33	<3	<5	<2	4	58	<5	<3	120
CH-89 L16+00W	1+50N	0.2	0.96	6	<3	54	<3	0.29	0.6	7	16	27	1.67	0.10	0.51	332	1	0.02	19	0.08	24	<3	<5	<2	4	34	<5	<3	84
CH-89 L16+00W	2+00N	0.3	1.58	16	<3	115	<3	0.53	0.8	14	30	39	2.47	0.16	0.98	550	1	0.02	34	0.12	34	<3	<5	<2	6	94	<5	<3	139
CH-89 L16+00W	2+50N	0.4	1.89	11	<3	210	<3	0.26	0.6	9	18	21	1.92	0.11	0.59	919	1	0.01	17	0.35	35	<3	<5	<2	6	48	<5	<3	184
CH-89 L16+00W	3+50N	0.2	1.62	8	<3	168	<3	0.27	0.8	7	15	19	1.62	0.10	0.44	1015	1	0.01	16	0.05	32	<3	<5	<2	5	42	<5	<3	143
CH-89 L16+00W	4+50N	0.4	2.06	23	<3	78	<3	0.85	1.1	12	15	36	3.37	0.24	0.71	1174	1	0.02	16	0.12	57	<3	<5	<2	5	67	<5	<3	189
CH-89 L16+00W	5+00N	0.2	1.70	3	<3	149	<3	0.22	0.6	7	17	16	1.46	0.08	0.43	789	1	0.01	19	0.06	33	<3	<5	<2	5	31	<5	<3	189
CH-89 L16+00W	5+50N	0.3	3.11	106	<3	183	<3	0.17	1.7	28	27	90	3.47	0.15	0.91	1431	4	0.02	42	0.08	57	<3	<5	<2	8	27	<5	<3	191
CH-89 L16+00W	6+00N	0.1	1.87	42	<3	223	<3	0.52	3.2	17	22	58	2.93	0.17	0.85	1622	3	0.01	30	0.13	39	<3	<5	<2	6	86	<5	<3	357
CH-89 L16+00W	6+50N	0.1	1.20	<3	<3	348	<3	0.79	2.1	6	12	15	1.25	0.16	0.43	2069	1	0.01	15	0.13	45	<3	<5	<2	5	106	<5	<3	234
CH-89 L16+00W	7+00N	0.2	1.86	9	<3	215	<3	0.69	1.5	8	13	23	1.47	0.15	0.36	1193	1	0.01	21	0.16	35	<3	<5	<2	5	81	<5	<3	270
CH-89 L16+00W	7+50N	0.1	2.09	23	<3	149	<3	0.26	2.1	13	20	31	2.29	0.12	0.64	989	1	0.01	27	0.04	39	<3	<5	<2	6	36	<5	<3	236
CH-89 L16+00W	8+50N	0.1	2.13	6	<3	241	<3	0.53	2.1	16	17	37	2.49	0.17	0.63	2038	1	0.02	26	0.07	48	<3	<5	<2	6	71	<5	<3	206
CH-89 L16+00W	9+00N	0.2	1.72	12	<3	113	<3	0.31	1.2	11	18	30	2.04	0.11	0.52	709	1	0.02	27	0.05	34	<3	<5	<2	5	39	<5	<3	145
CH-89 L16+00W	9+50N	0.2	2.07	7	<3	148	<3	0.32	1.2	11	16	30	1.93	0.11	0.48	791	1	0.02	28	0.09	34	<3	<5	<2	6	44	<5	<3	188
CH-89 L16+00W	10+00N	0.1	2.19	25	<3	178	<3	0.20	0.8	11	12	23	1.76	0.09	0.39	640	<1	0.01	24	0.20	33	<3	<5	<2	5	29	<5	<3	170
CH-89 L16+00W	0+50S	0.1	2.37	17	<3	207	<3	0.25	1.2	12	21	23	1.97	0.11	0.50	693	1	0.01	24	0.12	40	<3	<5	<2	6	39	<5	<3	140
CH-89 L16+00W	1+00S	0.1	1.87	17	<3	103	<3	0.17	0.5	9	16	22	1.67	0.08	0.39	559	<1	0.02	22	0.15	33	<3	<5	<2	6	26	<5	<3	119
CH-89 L16+00W	1+50S	0.2	1.87	10	<3	141	<3	0.08	0.1	7	13	14	1.38	0.06	0.27	390	1	0.01	25	0.17	28	<3	<5	<2	5	17	<5	<3	110
CH-89 L16+00W	2+00S	0.2	2.47	20	<3	133	<3	0.22	0.4	10	14	23	1.89	0.10	0.45	564	1	0.01	31	0.11	36	<3	<5	<2	6	37	<5	<3	181
CH-89 L16+00W	2+50S	0.2	2.29	15	<3	131	<3	0.20	0.8	11	19	21	2.02	0.10	0.48	786	2	0.01	39	0.08	38	<3	<5	<2	6	31	<5	<3	168
CH-89 L16+00W	3+00S	0.2	2.47	157	<3	156	<3	0.26	1.1	36	15	126	3.83	0.17	0.81	1391	3	0.01	44	0.20	44	<3	<5	<2	7	42	<5	<3	192
CH-89 L16+00W	3+50S	0.5	3.29	53	<3	97	3	0.43	1.2	32	27	126	4.89	0.24	2.16	867	3	0.01	33	0.12	45	<3	<5	<2	10	59	<5	<3	174
CH-89 L16+00W	4+00S	0.3	3.70	82	<3	136	<3	0.15	0.4	18	24	50	2.83	0.12	0.93	647	2	0.01	36	0.22	47	<3	<5	<2	9	27	<5	<3	133
CH-89 L16+00W	4+50S	0.1	2.15	46	<3	133	<3	0.17	0.8	15	21	43	2.43	0.11	0.85	836	1	0.01	31	0.06	32	<3	<5	<2	6	24	<5	<3	149
CH-89 L16+00W	5+00S	0.2	2.61	31	<3	132	<3	0.08	0.6	12	22	34	2.31	0.08	0.64	360	1	0.01	36	0.15	37	<3	<5	<2	6	21	<5	<3	153
CH-89 L16+00W	5+50S	0.1	2.08	22	<3	118	<3	0.19	0.2	10	11	18	1.67	0.08	0.27	474	2	0.01	72	0.11	29	<3	<5	<2	5	43	<5	<3	127
CH-89 L16+00W	6+00S	0.1	2.41	38	<3	195	<3	0.07	0.1	11	12	19	1.92	0.08	0.27	508	2	0.01	55	0.24	34	<3	<5	<2	6	26	<5	<3	162
CH-89 L16+00W	6+50S	0.2	1.97	22	<3	151	<3	0.11	0.2	8	11	14	1.52	0.07	0.17	353	1	0.01	53	0.24	30	<3	<5	<2	5	32	<5	<3	147
CH-89 L16+00W	7+00S	0.1	2.54	52	<3	183	<3	0.19	0.1	9	15	17	1.77	0.08	0.28	710	1	0.01	56	0.20	38	<3	<5	<2	6	36	<5	<3	150
CH-89 L16+00W	7+50S	0.1	2.47	84	<3	198	<3	0.24	0.2	12	31	20	2.20	0.11	0.51	806	1	0.01	84	0.12	36	<3	<5	<2	6	40	<5	<3	154
CH-89 L16+00W	8+00S	0.1	1.89	42	<3	210	<3	0.27	0.2	10	38	13	1.83	0.10	0.52	789	1	0.01	63	0.12	30	<3	<5	<2	5	44	<5	<3	178
CH-89 L16+00W	8+50S	0.2	1.70	6	<3	198	<3	0.22	0.4	9	25	13	1.56	0.08	0.48	1033	1	0.01	38	0.08	29	<3	<5	<2	5	37	<5	<3	126
CH-89 L16+00W	9+00S	0.2	2.38	34	<3	141	<3	0.19	0.4	14	76	20	2.25	0.11	0.98	664	1	0.01	48	0.03	35	<3	<5	<2	6	30	<5	<3	94
Minimum Detection		0.1	0.01	3	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	3	5	2	2	1	5	3	1
Maximum Detection		50.0	10.00	2000	100	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	100	100	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

REPORT #: 890069 PA ASHWORTH EXPL Proj: 259 Date In: 89/02/17 Date Out:89/02/21 Att: R KIDLARK

Sample Number		Ag	Al	As	Au	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Pd	Pt	Sb	Sn	Sr	U	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CH-89 L16+00W	9+50S	0.1	2.45	41	<3	169	<3	0.08	0.2	10	12	21	1.92	0.08	0.29	340	2	0.01	57	0.17	34	<3	<5	<2	6	27	<5	<3	158
CH-89 L16+00W	10+00S	0.1	2.27	26	<3	116	<3	0.17	0.2	9	11	20	1.67	0.08	0.27	382	2	0.01	73	0.08	32	<3	<5	<2	5	41	<5	<3	142
CH-89 L17+00W	0+00	0.2	1.31	10	<3	64	<3	0.17	0.2	9	25	28	2.12	0.10	0.68	314	1	0.02	24	0.05	27	<3	<5	<2	4	26	<5	<3	96
CH-89 L17+00W	0+50N	0.1	1.86	7	<3	104	<3	0.11	0.1	7	14	12	1.38	0.06	0.35	313	1	0.01	18	0.08	29	<3	<5	<2	5	23	<5	<3	113
CH-89 L17+00W	1+00N	0.1	1.62	<3	<3	139	<3	0.16	0.2	6	11	12	1.20	0.06	0.30	518	<1	0.01	19	0.12	25	<3	<5	<2	4	30	<5	<3	120
CH-89 L17+00W	1+50N	0.3	1.49	7	<3	89	<3	0.16	0.4	7	17	23	1.52	0.07	0.42	315	1	0.01	26	0.10	26	<3	<5	<2	4	23	<5	<3	122
CH-89 L17+00W	2+00N	0.3	2.06	13	<3	129	<3	0.33	0.6	11	20	26	2.12	0.12	0.63	789	1	0.01	18	0.17	35	<3	<5	<2	6	49	<5	<3	110
CH-89 L17+00W	2+50N	0.5	3.00	39	<3	180	<3	0.24	1.2	21	35	65	3.20	0.15	0.88	601	3	0.01	61	0.26	46	<3	<5	<2	7	45	<5	<3	245
CH-89 L17+00W	3+00N	1.1	1.55	27	<3	86	<3	3.93	1.1	10	29	49	2.25	0.59	0.76	358	1	0.02	33	0.09	30	<3	<5	<2	5	113	<5	<3	111
CH-89 L17+00W	3+50N	0.5	1.85	13	<3	130	<3	0.22	0.6	9	22	19	1.77	0.09	0.61	421	1	0.01	21	0.06	28	<3	<5	<2	6	29	<5	<3	111
CH-89 L17+00W	4+00N	0.5	1.85	15	<3	133	<3	0.36	0.6	12	28	35	2.11	0.13	0.71	667	1	0.02	30	0.09	31	<3	<5	<2	5	47	<5	<3	150
CH-89 L17+00W	4+50N	0.5	2.07	10	<3	142	<3	0.22	0.7	10	23	25	1.94	0.10	0.58	424	1	0.01	25	0.08	31	<3	<5	<2	6	38	<5	<3	162
CH-89 L17+00W	5+00N	0.3	1.83	5	<3	167	<3	0.19	0.4	9	20	19	1.76	0.09	0.51	656	1	0.01	20	0.07	30	<3	<5	<2	5	35	<5	<3	171
CH-89 L17+00W	5+50N	0.1	1.49	<3	<3	196	<3	0.26	0.8	7	18	14	1.46	0.09	0.49	967	1	0.01	17	0.10	27	<3	<5	<2	5	47	<5	<3	186
CH-89 L17+00W	6+50N(A)	0.1	2.17	36	<3	190	<3	0.29	1.5	11	25	32	2.39	0.13	0.66	1002	1	0.01	26	0.08	34	<3	<5	<2	6	46	<5	<3	223
CH-89 L17+00W	6+50N(B)	0.3	2.07	40	<3	197	<3	0.40	2.1	13	21	40	2.49	0.15	0.68	1452	2	0.01	26	0.09	38	<3	<5	<2	6	57	<5	<3	223
CH-89 L17+00W	7+00N	0.3	2.73	31	<3	263	<3	0.30	3.1	26	25	75	3.65	0.18	0.96	2023	2	0.01	43	0.08	46	<3	<5	<2	6	54	<5	<3	313
CH-89 L17+00W	7+50N	0.6	2.87	41	<3	160	<3	0.22	1.8	23	27	92	3.89	0.17	1.12	801	3	0.01	45	0.06	42	<3	<5	<2	7	38	<5	<3	226
CH-89 L17+00W	8+00N	0.5	2.31	17	<3	95	<3	0.21	0.6	10	24	28	2.20	0.11	0.59	336	1	0.01	27	0.04	36	<3	<5	<2	6	31	<5	<3	121
CH-89 L17+00W	8+50N	0.3	2.06	13	<3	154	<3	0.43	0.8	12	20	41	2.08	0.13	0.50	1053	1	0.01	26	0.07	35	<3	<5	<2	5	57	<5	<3	115
CH-89 L17+00W	9+00N	0.3	2.27	11	<3	148	<3	0.25	0.6	8	16	25	1.70	0.10	0.42	344	1	0.01	27	0.24	33	<3	<5	<2	5	46	<5	<3	184
CH-89 L17+00W	9+50N	0.1	2.76	23	<3	193	<3	0.18	0.4	11	18	20	1.92	0.09	0.47	627	2	0.01	27	0.08	37	<3	<5	<2	6	30	<5	<3	157
CH-89 L17+00W	10+00N	1.1	3.94	40	<3	114	<3	0.33	1.2	21	22	61	2.81	0.15	0.67	471	3	0.01	33	0.16	49	<3	<5	<2	9	27	<5	<3	193
CH-89 L17+00W	0+50S	0.1	0.92	<3	<3	94	<3	0.21	0.1	5	14	11	1.18	0.07	0.35	336	1	0.01	13	0.06	14	<3	<5	<2	3	31	<5	<3	86
CH-89 L17+00W	1+00S	0.1	1.47	<3	<3	104	<3	0.13	0.1	5	14	12	1.22	0.06	0.31	285	1	0.01	17	0.07	20	<3	<5	<2	4	25	<5	<3	95
CH-89 L17+00W	1+50S	0.1	1.68	4	<3	101	<3	0.13	0.1	6	12	14	1.16	0.06	0.25	215	1	0.01	27	0.14	22	<3	<5	<2	4	23	<5	<3	94
CH-89 L17+00W	2+00S	0.1	1.66	7	<3	117	<3	0.13	0.1	7	14	13	1.32	0.06	0.32	426	1	0.01	25	0.12	24	<3	<5	<2	4	21	<5	<3	97
CH-89 L17+00W	3+00S	0.1	1.54	8	<3	99	<3	0.08	0.4	8	14	15	1.45	0.06	0.36	523	1	0.01	22	0.12	23	<3	<5	<2	4	16	<5	<3	132
CH-89 L17+00W	3+50S	0.3	2.58	24	<3	143	<3	0.16	0.4	10	14	24	1.66	0.08	0.41	890	1	0.01	23	0.16	34	<3	<5	<2	6	33	<5	<3	127
CH-89 L17+00W	4+00S	0.3	2.26	25	<3	104	<3	0.12	0.1	8	7	17	1.47	0.07	0.16	477	1	0.01	20	0.15	30	<3	<5	<2	5	19	<5	<3	83
CH-89 L17+00W	4+50S	0.1	1.84	6	<3	145	<3	0.18	0.6	7	9	23	1.70	0.08	0.23	349	1	0.01	38	0.08	26	<3	<5	<2	5	30	<5	<3	131
CH-89 L17+00W	5+00S	0.1	1.51	12	<3	94	<3	0.11	0.4	9	13	28	2.12	0.09	0.37	295	1	0.01	37	0.08	22	<3	<5	<2	4	22	<5	<3	117
CH-89 L17+00W	5+50S	0.1	1.44	68	<3	107	<3	0.12	0.4	10	18	51	2.93	0.12	0.62	354	2	0.01	44	0.06	24	<3	<5	<2	4	22	<5	<3	153
CH-89 L17+00W	6+00S	0.1	1.93	43	<3	110	<3	0.12	0.7	11	18	46	2.34	0.10	0.48	315	1	0.01	49	0.09	28	<3	<5	<2	5	25	<5	<3	140
CH-89 L17+00W	6+50S	0.3	2.62	39	<3	279	<3	0.22	0.4	11	37	19	2.34	0.11	0.48	396	1	0.01	97	0.05	34	<3	<5	<2	6	35	<5	<3	164
CH-89 L17+00W	7+00S	0.3	2.89	19	<3	175	<3	0.16	0.6	11	51	16	2.10	0.10	0.63	351	1	0.01	109	0.12	36	<3	<5	<2	6	24	<5	<3	186
CH-89 L17+00W	7+50S	0.6	2.94	32	<3	141	<3	0.23	0.4	9	15	19	1.57	0.09	0.31	563	1	0.01	47	0.30	36	<3	<5	<2	6	36	<5	<3	163
CH-89 L17+00W	8+00S	0.5	3.06	23	<3	279	<3	0.20	1.1	17	15	36	3.38	0.15	0.98	679	2	0.01	23	0.05	39	<3	<5	<2	8	23	<5	<3	147
CH-89 L17+00W	8+50S	0.5	3.06	25	<3	97	<3	0.21	0.1	7	7	18	1.24	0.07	0.18	479	1	0.01	12	0.21	35	<3	<5	<2	6	23	<5	<3	74
Minimum Detection		0.1	0.01	3	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	3	5	2	2	1	5	3	1
Maximum Detection		50.0	10.00	2000	100	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	100	100	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

REPORT #: 890069 PA | ASHWORTH EXPL | Proj: 259 | Date In: 89/02/17 | Date Out:89/02/21 | Att: R KIDLARK |

Sample Number		Ag ppm	Al %	As ppm	Au ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Pd ppm	Pt ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
CH-89 L17+00W	9+00S	0.6	3.69	51	<3	88	3	0.22	1.3	21	28	75	3.63	0.16	2.35	638	3	0.01	26	0.04	45	<3	<5	<2	9	19	<5	<3	131
CH-89 L17+00W	9+50S	0.6	2.74	34	<3	124	<3	0.21	0.4	14	15	43	1.99	0.10	0.82	750	1	0.01	19	0.08	35	<3	<5	<2	7	24	<5	<3	93
CH-89 L17+00W	10+00S	1.1	2.57	20	<3	89	<3	0.21	0.7	16	21	32	2.24	0.11	1.25	472	1	0.01	19	0.04	32	<3	<5	<2	8	19	<5	<3	83
CH-89 L18+00W	0+00	1.1	1.78	8	<3	93	<3	0.17	0.4	9	18	17	1.82	0.09	0.59	329	1	0.01	18	0.08	27	<3	<5	<2	6	29	<5	<3	76
CH-89 L18+00W	0+50N	0.4	1.46	<3	<3	67	<3	0.18	0.5	8	20	24	1.65	0.08	0.51	256	1	0.02	28	0.04	28	<3	<5	<2	5	25	<5	<3	88
CH-89 L18+00W	1+00N	0.4	1.29	<3	<3	79	<3	0.18	0.3	8	22	22	1.84	0.09	0.71	235	1	0.01	25	0.06	26	<3	<5	<2	4	38	<5	<3	89
CH-89 L18+00W	1+50N	0.6	2.75	15	<3	94	<3	0.16	0.1	6	9	17	1.20	0.06	0.21	523	1	0.02	18	0.33	38	<3	<5	<2	6	26	<5	<3	81
CH-89 L18+00W	2+50N	0.8	1.64	12	<3	69	<3	0.30	0.6	13	28	45	2.50	0.13	0.93	306	1	0.02	29	0.06	30	<3	<5	<2	5	53	<5	<3	80
CH-89 L18+00W	3+00N	0.3	1.73	10	<3	93	<3	0.16	0.4	10	34	40	2.24	0.10	0.68	289	1	0.02	34	0.04	31	<3	<5	<2	5	26	<5	<3	100
CH-89 L18+00W	3+50N	0.4	1.38	15	<3	71	<3	1.13	1.2	13	27	59	2.40	0.23	0.82	463	1	0.02	34	0.10	28	<3	<5	<2	4	71	<5	<3	130
CH-89 L18+00W	4+00N	0.5	1.88	18	<3	105	<3	0.88	0.6	13	35	50	2.54	0.21	0.88	507	1	0.02	36	0.05	34	<3	<5	<2	5	71	<5	<3	116
CH-89 L18+00W	4+50N	0.4	1.56	<3	<3	96	<3	0.14	0.4	8	24	21	1.77	0.08	0.67	230	1	0.02	24	0.04	24	<3	<5	<2	5	32	<5	<3	100
CH-89 L18+00W	5+00N	0.8	2.47	3	<3	108	<3	0.73	0.8	12	28	27	2.06	0.17	0.64	465	1	0.02	32	0.03	36	<3	<5	<2	6	93	<5	<3	139
CH-89 L18+00W	5+50N	0.4	1.41	20	<3	55	<3	0.16	0.6	11	26	53	2.42	0.11	0.82	276	1	0.02	26	0.04	28	<3	<5	<2	5	23	<5	<3	111
CH-89 L18+00W	6+00N	0.2	1.51	<3	<3	95	<3	0.17	0.5	10	26	26	2.04	0.10	0.74	360	1	0.01	22	0.04	26	<3	<5	<2	5	25	<5	<3	118
CH-89 L18+00W	6+50N	1.1	3.23	22	<3	206	<3	0.20	1.2	17	17	103	2.82	0.13	0.73	475	2	0.02	49	0.07	44	<3	<5	<2	7	40	<5	<3	261
CH-89 L18+00W	7+00N	0.2	1.96	12	<3	100	<3	0.15	0.5	10	18	41	2.14	0.10	0.57	313	1	0.01	29	0.05	31	<3	<5	<2	5	26	<5	<3	173
CH-89 L18+00W	7+50N	0.4	2.61	15	<3	169	<3	0.28	0.5	12	19	32	2.15	0.12	0.53	852	2	0.01	29	0.09	38	<3	<5	<2	5	42	<5	<3	158
CH-89 L18+00W	8+00N	0.2	2.15	12	<3	97	<3	0.26	0.5	11	28	28	2.26	0.12	0.66	423	1	0.02	26	0.05	33	<3	<5	<2	6	36	<5	<3	123
CH-89 L18+00W	8+50N	0.2	2.04	14	<3	163	<3	0.26	0.6	8	13	20	1.57	0.09	0.35	618	1	0.01	26	0.10	28	<3	<5	<2	4	41	<5	<3	220
CH-89 L18+00W	9+50N	0.1	1.46	<3	<3	198	<3	0.12	1.2	8	11	15	1.33	0.07	0.30	1149	1	0.01	18	0.13	25	<3	<5	<2	3	18	<5	<3	187
CH-89 L18+00W	10+00W	0.1	1.64	20	<3	194	<3	0.28	5.4	12	14	38	2.56	0.13	0.41	1173	5	0.01	61	0.12	30	<3	<5	<2	4	34	<5	<3	919
CH-89 L18+00W	0+50S	0.2	1.67	5	<3	213	<3	0.19	0.3	6	11	13	1.16	0.07	0.23	713	1	0.01	23	0.28	25	<3	<5	<2	4	37	<5	<3	138
CH-89 L18+00W	1+00S	0.1	1.12	<3	<3	118	<3	0.11	0.1	5	12	13	1.32	0.06	0.33	377	1	0.01	17	0.14	19	<3	<5	<2	3	19	<5	<3	93
CH-89 L18+00W	1+50S	0.1	1.36	3	<3	129	<3	0.08	0.1	7	14	14	1.49	0.06	0.42	912	1	0.01	17	0.13	22	<3	<5	<2	3	14	<5	<3	111
CH-89 L18+00W	2+00S	0.2	1.74	6	<3	114	<3	0.09	0.1	6	10	12	1.18	0.05	0.22	410	1	0.01	19	0.12	25	<3	<5	<2	4	19	<5	<3	88
CH-89 L18+00W	2+50S	0.2	2.32	13	<3	164	<3	0.27	0.5	13	18	30	2.13	0.11	0.55	611	1	0.01	39	0.12	39	<3	<5	<2	6	44	<5	<3	134
CH-89 L18+00W	3+00S	0.1	1.31	13	<3	125	<3	0.18	0.1	9	11	17	1.63	0.08	0.34	458	1	0.01	14	0.05	20	<3	<5	<2	4	28	<5	<3	98
CH-89 L18+00W	3+50S	0.5	2.63	12	<3	89	<3	0.15	0.1	8	12	24	1.53	0.07	0.31	210	1	0.01	27	0.14	32	<3	<5	<2	5	26	<5	<3	99
CH-89 L18+00W	4+00S	0.2	1.89	14	<3	113	<3	0.17	0.4	11	29	34	2.18	0.10	0.64	286	1	0.01	34	0.07	25	<3	<5	<2	5	23	<5	<3	104
CH-89 L18+00W	4+50S	0.1	2.43	20	<3	140	<3	0.12	0.1	11	21	30	2.06	0.09	0.50	294	1	0.01	37	0.10	32	<3	<5	<2	6	24	<5	<3	98
CH-89 L18+00W	5+00S	0.2	2.08	5	<3	153	<3	0.12	0.1	9	13	28	1.92	0.08	0.34	168	3	0.02	48	0.03	27	<3	<5	<2	5	31	<5	<3	79
CH-89 L18+00W	5+50S	0.1	1.89	38	<3	130	<3	0.12	0.4	11	19	33	2.22	0.10	0.43	247	1	0.01	49	0.07	29	<3	<5	<2	5	21	<5	<3	109
CH-89 L18+00W	6+00S	0.4	2.95	31	<3	123	<3	0.11	0.1	8	20	17	1.79	0.08	0.31	304	1	0.01	47	0.14	38	<3	<5	<2	7	19	<5	<3	74
CH-89 L18+00W	6+50S	1.1	2.86	15	<3	178	<3	0.17	0.5	11	22	27	2.28	0.10	0.54	198	1	0.01	61	0.08	33	<3	<5	<2	6	31	<5	<3	176
CH-89 L18+00W	7+00S	0.1	2.70	38	<3	122	<3	0.19	1.1	22	116	63	3.85	0.17	1.77	821	2	0.01	55	0.15	36	<3	<5	<2	6	24	<5	<3	113
CH-89 L18+00W	7+50S	0.1	2.50	18	<3	119	<3	0.19	0.1	15	19	25	1.98	0.10	0.49	552	1	0.01	25	0.09	32	<3	<5	<2	6	18	<5	<3	128
CH-89 L18+00W	8+00S	0.2	3.52	23	<3	130	<3	0.15	0.4	12	12	40	1.99	0.09	0.68	330	1	0.01	16	0.13	38	<3	<5	<2	7	16	<5	<3	81
CH-89 L18+00W	8+50S	0.1	3.45	27	<3	137	<3	0.19	0.5	15	14	42	2.37	0.11	1.18	388	1	0.01	17	0.10	36	<3	<5	<2	7	18	<5	<3	118
Minimum Detection		0.1	0.01	3	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	3	5	2	2	1	5	3	1
Maximum Detection		50.0	10.00	2000	100	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	100	100	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

REPORT #: 890069 PA ASHWORTH EXPL Proj: 259 Date In: 89/02/17 Date Out:89/02/21 Att: R KIDLARK

Sample Number		Ag	Al	As	Au	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Pd	Pt	Sb	Sn	Sr	U	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CH-89 L18+00W	9+00S	0.4	3.28	23	<3	61	<3	0.23	1.1	21	26	43	3.40	0.15	2.15	429	1	0.01	22	0.02	35	<3	<5	<2	8	13	<5	<3	84
CH-89 L18+00W	9+50S	0.2	3.56	38	<3	108	<3	0.38	0.6	33	18	94	2.95	0.16	1.06	676	1	0.01	35	0.12	43	<3	<5	<2	8	29	<5	<3	132
CH-89 L19+00W	0+00	0.3	1.24	13	<3	65	<3	0.16	0.7	11	26	40	1.95	0.09	0.66	317	1	0.02	26	0.04	29	<3	<5	<2	6	28	<5	<3	121
CH-89 L19+00W	0+50N	0.2	1.33	5	<3	110	<3	0.23	0.7	11	27	29	1.92	0.10	0.75	420	1	0.02	31	0.07	29	<3	<5	<2	6	45	<5	<3	122
CH-89 L19+00W	1+00N	0.1	1.33	9	<3	152	<3	0.76	1.2	12	19	33	2.06	0.18	0.65	1134	1	0.02	26	0.08	62	<3	<5	<2	6	90	<5	<3	143
CH-89 L19+00W	1+50N	0.1	2.09	30	<3	85	<3	0.59	1.2	18	12	48	4.31	0.23	0.74	1629	2	0.06	18	0.12	59	<3	<5	<2	6	88	<5	<3	128
CH-89 L19+00W	2+00N	0.1	1.32	9	<3	116	<3	0.17	0.5	11	30	24	1.92	0.09	0.70	600	1	0.02	28	0.10	30	<3	<5	<2	6	29	<5	<3	127
CH-89 L19+00W	2+50N	0.1	1.67	<3	<3	218	<3	0.32	1.1	9	23	21	1.79	0.11	0.55	971	1	0.02	24	0.16	33	<3	<5	<2	6	59	<5	<3	162
CH-89 L19+00W	3+00N	0.1	1.58	<3	<3	191	<3	0.21	1.5	9	21	23	1.73	0.09	0.52	863	1	0.02	20	0.07	32	<3	<5	<2	6	43	<5	<3	222
CH-89 L19+00W	3+50N	0.1	2.29	7	<3	153	<3	0.10	0.1	9	11	18	1.63	0.07	0.40	501	1	0.01	15	0.14	34	<3	<5	<2	6	20	<5	<3	113
CH-89 L19+00W	4+00N	0.2	1.88	<3	<3	179	<3	0.14	0.3	7	18	14	1.57	0.07	0.48	402	1	0.02	19	0.07	30	<3	<5	<2	6	24	<5	<3	123
CH-89 L19+00W	4+50N	0.2	1.69	3	<3	163	<3	0.15	0.3	7	17	14	1.50	0.07	0.46	403	1	0.02	19	0.07	29	<3	<5	<2	6	24	<5	<3	116
CH-89 L19+00W	5+00N	0.2	1.47	3	<3	102	<3	0.14	0.3	8	20	17	1.56	0.07	0.56	307	<1	0.02	21	0.06	23	<3	<5	<2	6	23	<5	<3	119
CH-89 L19+00W	5+50N	0.3	1.43	3	<3	94	<3	0.14	0.5	8	22	19	1.64	0.08	0.60	304	1	0.02	21	0.05	27	<3	<5	<2	6	23	<5	<3	115
CH-89 L19+00W	6+00N	0.4	1.89	4	<3	136	<3	0.20	0.7	16	34	26	2.16	0.11	0.84	619	1	0.02	39	0.08	37	<3	<5	<2	7	31	<5	<3	134
CH-89 L19+00W	6+50N	0.3	2.29	6	<3	200	<3	0.35	2.2	17	20	48	2.76	0.15	0.74	1100	1	0.02	31	0.07	42	<3	<5	<2	7	48	<5	<3	201
CH-89 L19+00W	7+00N	0.3	2.36	7	<3	209	<3	0.37	2.2	17	20	49	2.84	0.16	0.78	1164	2	0.02	32	0.08	43	<3	<5	<2	6	50	<5	<3	218
CH-89 L19+00W	7+50N	0.3	2.30	7	<3	183	<3	0.24	1.9	14	21	40	2.61	0.13	0.76	1076	2	0.02	28	0.07	40	<3	<5	<2	6	37	<5	<3	215
CH-89 L19+00W	8+00N	0.1	1.97	5	<3	213	<3	0.29	1.7	11	17	24	2.17	0.12	0.55	1500	1	0.02	23	0.08	37	<3	<5	<2	6	52	<5	<3	235
CH-89 L19+00W	8+50N	0.3	2.54	5	<3	178	<3	0.23	1.3	12	17	24	2.15	0.12	0.52	1059	2	0.02	31	0.06	40	<3	<5	<2	6	45	<5	<3	230
CH-89 L19+00W	9+00N	0.2	1.87	5	<3	202	<3	0.64	2.2	11	16	28	2.04	0.17	0.53	1249	1	0.02	24	0.09	36	<3	<5	<2	6	90	<5	<3	219
CH-89 L19+00W	9+50N	0.1	2.57	10	<3	249	<3	0.13	0.7	11	17	18	1.99	0.09	0.40	951	2	0.01	29	0.27	38	<3	<5	<2	6	24	<5	<3	242
CH-89 L19+00W	10+00N	0.9	3.69	85	<3	167	<3	0.33	3.3	38	23	133	4.89	0.23	0.90	1158	5	0.03	62	0.24	62	<3	<5	<2	7	59	<5	<3	465
CH-89 L19+00W	0+50S	0.4	2.57	14	<3	117	<3	0.16	0.7	11	20	31	2.35	0.11	0.69	354	1	0.02	30	0.05	35	<3	<5	<2	7	29	<5	<3	101
CH-89 L19+00W	1+00S	0.6	2.26	8	<3	136	<3	0.12	0.7	7	14	22	1.49	0.07	0.36	495	1	0.02	21	0.22	34	<3	<5	<2	6	22	<5	<3	119
CH-89 L19+00W	1+50S	0.3	2.03	5	<3	128	<3	0.22	0.7	8	16	15	1.69	0.10	0.41	429	1	0.02	22	0.13	33	<3	<5	<2	6	33	<5	<3	138
CH-89 L19+00W	2+00S	0.2	1.47	15	<3	76	<3	0.14	0.5	9	23	23	2.05	0.10	0.70	257	1	0.02	22	0.04	29	<3	<5	<2	5	22	<5	<3	99
CH-89 L19+00W	2+50S	1.1	3.99	27	<3	204	<3	0.13	0.7	13	20	48	2.52	0.12	0.49	171	2	0.02	45	0.19	49	<3	<5	<2	7	43	<5	<3	95
CH-89 L19+00W	3+00S	0.6	2.87	14	<3	153	<3	0.14	0.7	12	21	28	2.30	0.11	0.69	245	2	0.02	32	0.10	41	<3	<5	<2	7	32	<5	<3	113
CH-89 L19+00W	3+50S	0.3	2.22	22	<3	102	<3	0.15	0.7	13	23	34	2.60	0.12	0.74	445	2	0.02	36	0.14	36	<3	<5	<2	6	32	<5	<3	117
CH-89 L19+00W	4+00S	0.5	2.04	14	<3	128	<3	0.11	0.6	11	20	26	2.24	0.10	0.62	286	2	0.02	34	0.12	34	<3	<5	<2	6	21	<5	<3	128
CH-89 L19+00W	4+50S	0.3	1.31	18	<3	74	<3	0.10	0.6	9	18	28	1.88	0.09	0.57	190	1	0.02	26	0.03	26	<3	<5	<2	5	17	<5	<3	81
CH-89 L19+00W	5+00S	0.3	1.47	104	<3	71	<3	0.10	0.6	10	24	42	2.43	0.11	0.52	187	4	0.02	60	0.03	32	<3	<5	<2	5	18	<5	<3	101
CH-89 L19+00W	5+50S	0.5	1.61	11	<3	132	<3	0.11	0.1	6	13	15	1.20	0.06	0.18	428	<1	0.02	24	0.09	30	<3	<5	<2	5	19	<5	<3	84
CH-89 L19+00W	6+00S	0.3	2.54	33	<3	107	<3	0.16	1.1	21	209	27	2.61	0.13	1.90	255	2	0.01	187	0.03	36	<3	<5	<2	6	22	<5	<3	104
CH-89 L19+00W	6+50S	0.3	2.51	22	<3	143	<3	0.09	1.1	13	40	37	2.75	0.12	1.01	194	2	0.01	70	0.06	38	<3	<5	<2	6	17	<5	<3	130
CH-89 L19+00W	7+00S	1.1	2.41	79	<3	102	<3	0.19	0.6	12	20	30	2.21	0.12	0.52	388	1	0.02	31	0.10	37	<3	<5	<2	6	22	<5	<3	84
CH-89 L19+00W	7+50S	1.1	3.75	16	<3	75	4	0.31	1.5	27	26	87	4.02	0.20	2.15	442	2	0.02	30	0.02	47	<3	<5	<2	10	14	<5	<3	82
CH-89 L19+00W	8+00S	1.1	4.20	8	<3	93	3	0.23	1.3	20	15	57	3.07	0.16	1.84	338	3	0.02	19	0.02	50	<3	<5	<2	9	22	<5	<3	76
Minimum Detection		0.1	0.01	3	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	3	5	2	2	1	5	3	1
Maximum Detection		50.0	10.00	2000	100	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	100	100	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

REPORT #: 890069 PA ASHWORTH EXPL Proj: 259 Date In: 89/02/17 Date Out:89/02/21 Att: R KIDLARK

Sample Number		Ag ppm	Al %	As ppm	Au ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Pd ppm	Pt ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
CH-89 L19+00W	8+50S	0.9	4.23	18	<3	84	<3	0.19	1.2	22	19	104	3.36	0.16	1.41	293	3	0.02	21	0.06	53	<3	<5	<2	10	12	<5	<3	81
CH-89 L19+00W	9+00S	0.6	3.46	18	<3	107	<3	0.14	0.6	13	14	34	2.28	0.11	0.72	304	2	0.02	18	0.16	44	<3	<5	<2	8	13	<5	<3	74
CH-89 L19+00W	9+50S	0.8	2.89	9	<3	101	4	0.12	0.7	15	18	42	2.24	0.07	0.99	228	2	0.01	22	0.08	38	<3	<5	<2	8	12	<5	<3	78
CH-89 L19+00W	10+00S	0.8	2.88	18	<3	85	3	0.15	0.8	16	20	48	2.88	0.12	1.08	502	2	0.01	19	0.11	39	<3	<5	<2	8	14	<5	<3	114
CH-89 L20+00W	0+00	0.3	1.89	8	<3	95	<3	0.14	0.3	9	17	21	1.71	0.08	0.50	307	1	0.01	24	0.07	27	<3	<5	<2	6	23	<5	<3	86
CH-89 L20+00W	0+50N	0.3	1.31	3	<3	104	<3	0.14	0.5	8	24	19	1.77	0.08	0.64	328	1	0.02	24	0.05	24	<3	<5	<2	5	28	<5	<3	90
CH-89 L20+00W	1+00N	0.2	1.98	13	<3	139	<3	0.08	0.3	9	16	16	1.77	0.05	0.33	271	1	0.01	15	0.53	30	<3	<5	<2	6	16	<5	<3	133
CH-89 L20+00W	1+50N	0.5	1.40	11	<3	99	<3	0.27	0.7	12	31	33	2.22	0.12	0.73	661	1	0.02	30	0.11	26	<3	<5	<2	5	29	<5	<3	116
CH-89 L20+00W	2+00N	0.5	1.39	12	<3	78	<3	0.17	0.7	10	26	33	2.14	0.10	0.63	481	1	0.02	24	0.04	28	<3	<5	<2	5	27	<5	<3	93
CH-89 L20+00W	2+50N	0.5	2.14	10	<3	99	<3	0.14	0.1	7	10	21	1.54	0.07	0.37	248	1	0.01	14	0.19	28	<3	<5	<2	6	23	<5	<3	99
CH-89 L20+00W	3+00N	0.2	1.61	4	<3	180	<3	0.19	0.1	7	11	16	1.44	0.06	0.38	899	1	0.01	14	0.16	24	<3	<5	<2	5	35	<5	<3	145
CH-89 L20+00W	3+50N	0.5	2.08	13	<3	105	<3	0.22	0.7	11	22	38	2.41	0.09	0.85	379	1	0.02	18	0.08	29	<3	<5	<2	7	34	<5	<3	89
CH-89 L20+00W	4+00N	0.2	2.55	6	<3	189	<3	0.27	0.3	8	13	18	1.83	0.10	0.38	930	1	0.02	17	0.09	38	<3	<5	<2	6	49	<5	<3	121
CH-89 L20+00W	4+50N	0.4	3.51	11	<3	166	<3	0.27	0.6	11	13	33	2.49	0.13	0.51	581	2	0.03	15	0.07	71	<3	<5	<2	6	53	<5	<3	113
CH-89 L20+00W	5+00N	0.5	2.02	9	<3	103	<3	0.22	0.6	9	20	22	2.06	0.10	0.54	398	1	0.03	17	0.03	40	<3	<5	<2	6	40	<5	<3	85
CH-89 L20+00W	5+50N	0.1	1.63	15	<3	188	<3	0.24	1.1	9	14	24	1.95	0.11	0.46	2552	1	0.01	14	0.12	34	<3	<5	<2	5	44	<5	<3	117
CH-89 L20+00W	6+00N	0.1	1.57	23	<3	93	<3	0.23	0.6	8	7	21	2.02	0.10	0.49	462	1	0.02	11	0.07	40	<3	<5	<2	5	60	<5	<3	97
CH-89 L20+00W	6+50N	0.2	1.12	<3	<3	97	<3	0.15	0.1	6	15	13	1.16	0.06	0.38	280	1	0.01	15	0.06	19	<3	<5	<2	4	23	<5	<3	82
CH-89 L20+00W	7+00N	0.1	1.70	4	<3	127	<3	0.07	0.1	3	4	9	0.70	0.03	0.10	363	1	0.01	13	0.32	21	<3	<5	<2	4	15	<5	<3	85
CH-89 L20+00W	7+50N	0.1	1.13	<3	<3	185	<3	0.23	0.3	6	11	10	1.02	0.07	0.30	713	1	0.01	14	0.15	22	<3	<5	<2	4	35	<5	<3	107
CH-89 L20+00W	8+00N	0.2	2.21	6	<3	174	<3	0.22	3.1	11	19	40	2.31	0.11	0.66	658	3	0.01	46	0.06	39	<3	<5	<2	5	36	<5	<3	443
CH-89 L20+00W	8+50N	0.2	1.72	6	<3	103	<3	0.21	0.7	8	16	20	1.76	0.09	0.45	465	1	0.01	19	0.04	26	<3	<5	<2	5	29	<5	<3	152
CH-89 L20+00W	9+00N	0.5	2.18	8	<3	92	<3	0.38	1.1	9	15	25	1.64	0.11	0.37	475	1	0.01	37	0.05	31	<3	<5	<2	5	55	<5	<3	327
CH-89 L20+00W	9+50N	0.4	2.11	17	<3	194	<3	0.21	2.1	13	15	32	2.22	0.11	0.54	1152	2	0.01	27	0.06	39	<3	<5	<2	5	39	<5	<3	272
CH-89 L20+00W	10+00N	1.1	2.85	115	<3	88	<3	0.22	1.2	10	6	55	1.99	0.10	0.29	272	2	0.01	28	0.11	65	<3	<5	<2	6	37	<5	<3	305
CH-89 L20+00W	0+50S	0.2	1.49	4	<3	131	<3	0.24	0.3	9	16	27	1.82	0.10	0.57	1011	1	0.01	14	0.10	27	<3	<5	<2	5	36	<5	<3	104
CH-89 L20+00W	1+00S	0.1	1.78	<3	<3	192	<3	0.14	0.3	9	14	19	1.76	0.08	0.54	1155	1	0.01	15	0.16	30	<3	<5	<2	5	20	<5	<3	141
CH-89 L20+00W	1+50S	0.1	1.76	11	<3	115	<3	0.10	0.1	7	13	12	1.57	0.07	0.33	288	1	0.01	17	0.22	26	<3	<5	<2	5	19	<5	<3	100
CH-89 L20+00W	2+00S	0.2	1.73	11	<3	118	<3	0.11	0.1	7	13	12	1.53	0.07	0.33	327	1	0.01	16	0.21	26	<3	<5	<2	5	20	<5	<3	109
CH-89 L20+00W	2+50S	0.1	1.58	9	<3	124	<3	0.11	0.1	6	12	11	1.47	0.07	0.32	358	1	0.01	14	0.21	24	<3	<5	<2	5	19	<5	<3	101
CH-89 L20+00W	3+00S(A)	0.1	1.67	3	<3	187	<3	0.17	0.5	9	14	18	1.71	0.09	0.49	1562	1	0.01	14	0.19	29	<3	<5	<2	5	22	<5	<3	148
CH-89 L20+00W	3+00S(B)	0.1	0.98	3	<3	149	<3	0.19	0.5	6	12	8	1.16	0.07	0.28	728	1	0.01	13	0.10	19	<3	<5	<2	4	30	<5	<3	114
CH-89 L20+00W	3+50S	0.2	1.22	8	<3	132	<3	0.16	0.1	6	12	9	1.24	0.06	0.29	477	1	0.01	19	0.13	22	<3	<5	<2	4	26	<5	<3	114
CH-89 L20+00W	4+00S	0.2	1.88	11	<3	122	<3	0.14	0.1	8	14	16	1.50	0.05	0.36	438	1	0.01	21	0.14	28	<3	<5	<2	5	24	<5	<3	112
CH-89 L20+00W	4+50S	0.1	1.06	17	<3	96	<3	0.21	0.6	8	15	15	1.96	0.10	0.42	720	1	0.01	20	0.12	24	<3	<5	<2	4	38	<5	<3	119
CH-89 L20+00W	5+00S	0.2	2.43	26	<3	140	<3	0.14	0.3	9	14	17	1.70	0.08	0.35	504	1	0.01	29	0.11	34	<3	<5	<2	6	25	<5	<3	100
CH-89 L20+00W	5+50S	0.2	2.37	38	<3	222	<3	0.25	0.5	11	18	32	2.19	0.11	0.46	470	2	0.01	60	0.08	36	<3	<5	<2	5	50	<5	<3	105
CH-89 L20+00W	6+00S	0.1	1.52	29	<3	102	<3	0.18	0.7	10	33	28	2.48	0.11	0.64	547	2	0.01	56	0.07	27	<3	<5	<2	4	30	<5	<3	114
CH-89 L20+00W	6+50S	0.2	1.19	32	<3	79	<3	0.11	0.6	10	26	31	2.32	0.10	0.64	399	2	0.01	32	0.04	24	<3	<5	<2	4	18	<5	<3	88
Minimum Detection		0.1	0.01	3	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	3	5	2	2	1	5	3	1
Maximum Detection		50.0	10.00	2000	100	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	100	100	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

REPORT #: 890069 PA ASHWORTH EXPL Proj: 259 Date In: 89/02/17 Date Out:89/02/21 Att: R KIDLARK

Sample Number	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Pd	Pt	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CH-89 L20+00W 7+00S	0.5	2.75	12	<3	150	<3	0.17	0.6	11	25	29	2.18	0.10	0.66	248	2	0.01	50	0.04	37	<3	<5	<2	6	31	<5	<3	89
CH-89 L20+00W 7+50S	1.3	0.07	<3	<3	33	<3	>10.00	0.1	1	1	8	0.03	4.97	0.15	74	1	0.02	4	0.01	18	<3	<5	<2	<2	122	<5	<3	27
CH-89 L20+00W 8+00S	0.5	3.54	22	<3	128	<3	0.52	1.2	23	21	82	3.45	0.19	1.32	782	2	0.01	35	0.08	47	<3	<5	<2	9	20	<5	<3	95
CH-89 L20+00W 8+50S	0.5	4.04	40	<3	96	<3	0.24	1.3	23	23	56	3.50	0.16	2.19	500	2	0.01	24	0.03	49	<3	<5	<2	9	18	<5	<3	97
CH-89 L20+00W 9+00S	0.4	4.35	22	<3	71	3	0.26	1.2	30	155	88	3.44	0.16	2.39	446	2	0.01	84	0.03	52	<3	<5	<2	10	19	<5	<3	70
CH-89 L20+00W 9+50S	0.1	2.28	20	<3	159	<3	2.14	1.7	35	10	169	3.63	0.42	1.46	3248	1	0.01	11	0.15	42	<3	<5	<2	8	101	<5	<3	159
CH-89 L20+00W 10+00S	0.4	2.97	7	<3	380	3	0.84	2.2	46	15	127	4.22	0.28	1.25	4383	2	0.01	23	0.39	47	<3	<5	<2	8	88	<5	<3	178
Minimum Detection	0.1	0.01	3	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	3	5	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	100	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	100	100	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: ASHWORTH EXPLORATION LTD.
ADDRESS: 1010 - 789 W. Pender Street
: Vancouver, B.C.
: V6C 1H2

DATE: Feb 22 1989
REPORT#: 890072 GA
JOB#: 890072

PROJECT#: 259
SAMPLES ARRIVED: Feb 19 1989
REPORT COMPLETED: Feb 22 1989
ANALYSED FOR: Au ICP

INVOICE#: 890072 NA
TOTAL SAMPLES: 225
SAMPLE TYPE: 225 SOILS
REJECTS: DISCARDED

SAMPLES FROM: MR. R. KIDLARK
COPY SENT TO: ASHWORTH EXPLORATION LTD.

PREPARED FOR: MR. PETER LERICHE

ANALYSED BY: VGC Staff

SIGNED:

GENERAL REMARK: None

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RENO, NEVADA, U.S.A.

REPORT NUMBER: 890072 GA JOB NUMBER: 890072 ASHWORTH EXPLORATION LTD.

SAMPLE #	Au ppb
CH-89 L0+00 7+25S	20
CH-89 L0+00 7+75S	20
CH-89 L0+00 8+25S	5
CH-89 L0+00 8+75S	15
CH-89 L0+00 9+25S	20
CH-89 L0+00 9+75S	30
CH-89 L0+50W 0+25S	15
CH-89 L0+50W 0+75S	10
CH-89 L0+50W 1+25S	5
CH-89 L0+50W 1+75S	20
CH-89 L0+50W 2+25S	20
CH-89 L0+50W 2+75S	5
CH-89 L0+50W 3+25S	20
CH-89 L0+50W 3+75S	5
CH-89 L0+50W 4+25S	5
CH-89 L0+50W 4+75S	5
CH-89 L0+50W 5+25S	10
CH-89 L0+50W 5+75S	20
CH-89 L0+50W 6+25S	20
CH-89 L0+50W 6+75S	10
CH-89 L0+50W 7+25S	15
CH-89 L0+50W 7+75S	20
CH-89 L0+50W 8+25S	10
CH-89 L0+50W 8+75S	20
CH-89 L0+50W 9+25S	5
CH-89 L0+50W 9+75S	15
CH-89 L0+50WT 8+60S	40
CH-89 L0+50WT 8+65S	10
CH-89 L0+50WT 8+70S	20
CH-89 L0+50WT 8+75S	110 ✓
CH-89 L0+50WT 8+80S	45
CH-89 L0+50WT 8+85S	45
CH-89 L0+50WT 9+00S	635 ✓
CH-89 L0+50WT 9+05S	15
CH-89 L0+50WT 9+10S	15
CH-89 L0+50WT 9+15S	nd
CH-89 L0+50WT 9+20S	10
CH-89 L0+50WT 9+25S	30
CH-89 L0+50WT 9+30S	10
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Au ppb
CH-89 L0+50WT 9+35S	20
CH-89 L0+50WT 9+40S	15
CH-89 L0+50WT 9+45S	10
CH-89 L0+50WT 9+50S	15
CH-89 L1+00W 0+25S	15
CH-89 L1+00W 0+75S	10
CH-89 L1+00W 1+25S	20
CH-89 L1+00W 1+75S	5
CH-89 L1+00W 2+25S	20
CH-89 L1+00W 2+75S	20
CH-89 L1+00W 3+25S	20
CH-89 L1+00W 3+75S	20
CH-89 L1+00W 4+25S	25
CH-89 L1+00W 4+75S	15
CH-89 L1+00W 5+25S	10
CH-89 L1+00W 5+75S	25
CH-89 L1+00W 6+25S	15
CH-89 L1+00W 6+75S	20
CH-89 L1+00W 7+25S	15
CH-89 L1+00W 7+75S	20
CH-89 L1+00W 8+25S	10
CH-89 L1+00W 8+75S	15
CH-89 L1+00W 9+25S	10
CH-89 L1+00W 9+75S	25
CH-89 L1+00WT 8+25S	10
CH-89 L1+00WT 8+30S	15
CH-89 L1+00WT 8+35S	15
CH-89 L1+00WT 8+40S	10
CH-89 L1+00WT 8+45S	10
CH-89 L1+00WT 8+50S	10
CH-89 L1+00WT 8+55S	10
CH-89 L1+00WT 8+70S	nd
CH-89 L1+00WT 8+75S	15
CH-89 L1+00WT 8+80S	15
CH-89 L1+00WT 8+85S	10
CH-89 L1+00WT 8+90S	15
CH-89 L1+00WT 8+95S	20
CH-89 L1+00WT 9+00S	15
CH-89 L1+00WT 9+05S	15
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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REPORT NUMBER: 890072 GA JOB NUMBER: 890072 **ASHWORTH EXPLORATION LTD.**

SAMPLE #	Au ppb
CH-89 L1+00WT 9+10S	20
CH-89 L1+00WT 9+15S	15
CH-89 L1+00WT 9+20S	20
CH-89 L1+00WT 9+25S	10
CH-89 L1+50W 0+25S	20
CH-89 L1+50W 1+25S	25
CH-89 L1+50W 1+75S	20
CH-89 L1+50W 2+25S	10
CH-89 L1+50W 2+75S	5
CH-89 L1+50W 3+25S	25
CH-89 L1+50W 3+75S	15
CH-89 L1+50W 4+25S	15
CH-89 L1+50W 4+75S	10
CH-89 L1+50W 5+25S	5
CH-89 L1+50W 5+75S	15
CH-89 L1+50W 6+25S	nd
CH-89 L1+50W 6+75S	5
CH-89 L1+50W 7+25S	5
CH-89 L1+50W 7+75S	nd
CH-89 L1+50W 8+25S	10
CH-89 L1+50W 8+75S	15
CH-89 L1+50W 9+25S	15
CH-89 L1+50W 9+75S	5
CH-89 L1+50WT 8+10S	10
CH-89 L1+50WT 8+15S	nd
CH-89 L1+50WT 8+20S	20
CH-89 L1+50WT 8+25S	10
CH-89 L1+50WT 8+30S	10
CH-89 L1+50WT 8+35S	20
CH-89 L1+50WT 8+40S	15
CH-89 L1+50WT 8+45S	20
CH-89 L1+50WT 8+50S	20
CH-89 L1+50WT 8+55S	10
CH-89 L1+50WT 8+60S	10
CH-89 L1+50WT 8+65S	10
CH-89 L1+50WT 8+70S	20
CH-89 L1+50WT 8+75S	15
CH-89 L1+50WT 8+80S	20
CH-89 L1+50WT 8+85S	20
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Au ppb
CH-89 L1+50WT 8+90S	20
CH-89 L1+50WT 8+95S	5
CH-89 L1+50WT 9+00S	15
CH-89 L1+50WT 9+05S	15
CH-89 L1+50WT 9+10S	15
CH-89 L2+00W 5+75S	15
CH-89 L2+00W 6+25S	10
CH-89 L2+00W 6+75S	15
CH-89 L2+00W 7+25S	5
CH-89 L2+00W 7+75S	10
CH-89 L2+00W 8+25S	15
CH-89 L2+00W 8+75S	15
CH-89 L2+00W 9+25S	5
CH-89 L2+00W 9+75S	10
CH-89 L2+50W 5+75S	5
CH-89 L2+50W 6+25S	15
CH-89 L2+50W 6+75S	10
CH-89 L2+50W 7+25S	20
CH-89 L2+50W 7+75S	15
CH-89 L2+50W 8+25S	20
CH-89 L2+50W 8+75S	10
CH-89 L2+50W 9+25S	10
CH-89 L2+50W 9+75S	10
CH-89 L3+00W 5+75N	15
CH-89 L3+00W 6+25N	10
CH-89 L3+00W 6+75N	10
CH-89 L3+00W 7+25N	20
CH-89 L3+00W 7+75N	10
CH-89 L3+00W 8+25N	10
CH-89 L3+00W 8+75N	5
CH-89 L3+00W 9+25N	10
CH-89 L3+00W 4+75S	10
CH-89 L3+00W 5+25S	20
CH-89 L3+00W 9+75S	20
CH-89 L3+50W 4+25N	10
CH-89 L3+50W 4+75N	10
CH-89 L3+50W 5+75N	15
CH-89 L3+50W 6+25N A	20
CH-89 L3+50W 6+25N B	nd
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Au ppb
CH-89 L3+50W 6+75N	nd
CH-89 L3+50W 5+25S	10
CH-89 L3+50W 7+25S	20
CH-89 L3+50W 7+75S	20
CH-89 L4+00W 3+25S	10
CH-89 L4+00W 3+75S	15
CH-89 L4+00W 4+25S	15
CH-89 L4+00W 4+75S	15
CH-89 L4+00W 5+25S	10
CH-89 L4+00W 5+75S	10
CH-89 L4+00W 6+25S	15
CH-89 L4+00W 6+75S	20
CH-89 L4+00W 7+25S	15
CH-89 L4+00W 7+75S	20
CH-89 L4+00W 8+25S	10
CH-89 L4+00W 8+75S	15
CH-89 L4+00W 9+25S	20
CH-89 L4+00W 9+75S	10
CH-89 L4+50W 2+75S	10
CH-89 L4+50W 3+25S	5
CH-89 L4+50W 3+75S	10
CH-89 L4+50W 4+25S	nd
CH-89 L4+50W 4+75S	10
CH-89 L4+50W 5+25S	15
CH-89 L4+50W 5+75S	20
CH-89 L4+50W 6+25S	15
CH-89 L4+50W 6+75S	25
CH-89 L4+50W 7+25S	10
CH-89 L4+50W 7+75S	25
CH-89 L4+50W 8+25S	10
CH-89 L4+50W 8+75S	10
CH-89 L4+50W 9+25S	20
CH-89 L4+50W 9+75S	10
CH-89 L5+00W 2+25S	5
CH-89 L5+00W 3+25S	5
CH-89 L5+00W 3+75S	10
CH-89 L5+00W 4+25S	10
CH-89 L5+00W 4+75S	5
CH-89 L5+00W 5+25S	20
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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RENO, NEVADA, U.S.A.

REPORT NUMBER: 890072 GA JOB NUMBER: 890072 ASHWORTH EXPLORATION LTD.

SAMPLE #	Au ppb
CH-89 L5+00W 5+75S	20
CH-89 L5+00W 6+25S	5
CH-89 L5+00W 6+75S	10
CH-89 L5+00W 7+25S	5
CH-89 L5+00W 7+75S	20
CH-89 L5+50W 3+25N	15
CH-89 L5+50W 3+75N	15
CH-89 L5+50W 4+25N	5
CH-89 L5+50W 4+75N	15
CH-89 L5+50W 5+75N	20
CH-89 L5+50W 6+25N	20
CH-89 L5+50W 6+75N	10
CH-89 L5+50W 7+25N	10
CH-89 L5+50W 7+75N	15
CH-89 L5+50W 2+25S	10
CH-89 L5+50W 2+75S	15
CH-89 L6+00W 1+25S	10
CH-89 L6+00W 1+75S	35
CH-89 L6+00W 2+25S	15
CH-89 L6+00W 2+75S	10
CH-89 L6+00W 3+25S	15
CH-89 L6+00W 3+75S	15
CH-89 L6+00W 4+25S	20
CH-89 L6+00W 4+75S	15
CH-89 L6+00W 5+25S	15
CH-89 L6+00W 5+75S	30
CH-89 L6+00W 6+25S	15
CH-89 L6+00W 6+75S	nd
CH-89 L6+00W 7+25S	15
CH-89 L6+00W 7+75S	nd

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED
1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

REPORT #: 890072 PA | ASHWORTH EXPL | Proj: 259 | Date In: 89/02/19 | Date Out:89/02/22 | Att: R KIDLARK | ANALYST:

Sample Number	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Pd	Pt	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CH-89 L0+00 7+25S	0.8	1.51	22	<3	67	<3	1.55	0.9	12	28	51	2.44	0.29	0.82	470	2	0.02	31	0.08	38	<3	<5	<2	5	66	<5	<3	115
CH-89 L0+00 7+75S	0.3	2.76	21	<3	133	<3	0.32	0.5	12	21	42	2.51	0.13	0.72	806	3	0.01	24	0.16	48	<3	<5	<2	7	27	<5	<3	117
CH-89 L0+00 8+25S	0.5	2.66	9	<3	88	<3	0.26	0.1	7	11	19	1.46	0.08	0.31	303	2	0.02	16	0.11	40	<3	<5	<2	6	25	<5	<3	93
CH-89 L0+00 8+75S	0.3	3.38	28	<3	178	<3	0.28	0.1	9	21	24	1.86	0.10	0.46	596	2	0.02	37	0.45	47	<3	<5	<2	7	30	<5	<3	120
CH-89 L0+00 9+25S	1.5	2.08	55	<3	99	<3	1.22	1.2	16	38	70	3.64	0.29	0.90	529	3	0.02	55	0.06	48	<3	<5	<2	6	75	<5	<3	147
CH-89 L0+00 9+75S	0.5	2.09	16	<3	119	<3	1.23	1.1	15	52	56	3.30	0.28	1.01	397	2	0.02	103	0.05	40	<3	<5	<2	6	77	<5	<3	163
CH-89 L0+50W 0+25S	0.5	2.92	5	<3	188	<3	0.37	0.4	10	18	28	2.42	0.13	0.57	930	2	0.04	17	0.05	58	<3	<5	<2	6	64	<5	<3	112
CH-89 L0+50W 0+75S	0.3	3.06	4	<3	199	<3	0.37	0.5	10	18	29	2.48	0.14	0.58	1001	2	0.04	17	0.05	60	<3	<5	<2	7	66	<5	<3	110
CH-89 L0+50W 1+25S	0.3	2.13	<3	<3	275	<3	0.49	0.1	7	9	14	1.50	0.12	0.34	631	1	0.02	12	0.30	45	<3	<5	<2	5	109	<5	<3	161
CH-89 L0+50W 1+75S	0.1	1.87	19	<3	176	<3	0.98	0.5	11	17	24	2.34	0.22	0.57	1406	1	0.02	18	0.08	50	<3	<5	<2	5	92	<5	<3	114
CH-89 L0+50W 2+25S	0.2	1.84	17	<3	171	<3	0.95	0.3	11	17	24	2.32	0.20	0.57	1340	1	0.02	17	0.08	46	<3	<5	<2	6	90	<5	<3	107
CH-89 L0+50W 2+75S	0.2	1.58	4	<3	131	<3	1.08	1.1	5	8	12	1.02	0.17	0.23	516	1	0.01	16	0.19	34	<3	<5	<2	4	88	<5	<3	196
CH-89 L0+50W 3+25S	0.1	1.98	9	<3	156	<3	0.12	0.1	6	11	12	1.38	0.06	0.29	454	1	0.01	22	0.16	33	<3	<5	<2	5	24	<5	<3	122
CH-89 L0+50W 3+75S	0.1	2.02	11	<3	171	<3	0.13	0.3	6	12	13	1.41	0.06	0.30	526	1	0.01	22	0.18	33	<3	<5	<2	5	25	<5	<3	137
CH-89 L0+50W 4+25S	0.1	1.75	6	<3	349	<3	0.30	0.5	7	13	14	1.52	0.09	0.32	1233	1	0.01	24	0.30	33	<3	<5	<2	5	55	<5	<3	260
CH-89 L0+50W 4+75S	0.2	1.30	14	<3	77	<3	0.24	0.4	9	24	26	2.03	0.10	0.64	302	2	0.02	25	0.06	30	<3	<5	<2	5	32	<5	<3	114
CH-89 L0+50W 5+25S	0.1	1.67	17	<3	114	<3	0.34	0.6	18	33	45	2.56	0.13	0.86	710	2	0.02	35	0.05	40	<3	<5	<2	6	45	<5	<3	121
CH-89 L0+50W 5+75S	0.1	1.42	10	<3	213	<3	3.11	2.3	13	18	30	2.12	0.48	0.77	2051	1	0.01	24	0.08	43	<3	<5	<2	5	77	<5	<3	140
CH-89 L0+50W 6+25S	0.2	1.98	18	<3	134	<3	1.02	2.8	16	26	46	2.86	0.24	0.90	1193	2	0.01	36	0.06	39	<3	<5	<2	6	62	<5	<3	213
CH-89 L0+50W 6+75S	0.1	1.91	17	<3	144	<3	0.93	3.3	15	25	44	2.71	0.22	0.86	1335	2	0.01	32	0.07	38	<3	<5	<2	6	61	<5	<3	206
CH-89 L0+50W 7+25S	0.1	1.48	10	<3	182	<3	0.20	0.1	6	9	13	1.30	0.07	0.22	920	1	0.01	16	0.28	33	<3	<5	<2	5	25	<5	<3	110
CH-89 L0+50W 7+75S	0.5	2.38	21	<3	93	<3	1.00	0.6	15	28	60	2.98	0.24	1.06	637	2	0.02	31	0.09	49	<3	<5	<2	6	47	<5	<3	124
CH-89 L0+50W 8+25S	0.1	2.03	14	<3	91	<3	0.13	0.1	11	14	17	2.06	0.09	0.47	409	2	0.01	22	0.19	34	<3	<5	<2	6	17	<5	<3	165
CH-89 L0+50W 8+75S	1.3	2.18	25	<3	118	<3	0.46	0.6	14	43	53	3.01	0.16	0.87	412	3	0.02	58	0.05	42	<3	<5	<2	6	48	<5	<3	113
CH-89 L0+50W 9+25S	0.5	1.57	10	<3	98	<3	0.18	0.1	10	29	25	2.18	0.10	0.66	182	1	0.02	35	0.02	32	<3	<5	<2	5	24	<5	<3	90
CH-89 L0+50W 9+75S	0.5	2.21	19	<3	125	<3	0.31	0.6	12	44	39	2.59	0.13	0.78	388	2	0.02	75	0.05	42	<3	<5	<2	6	40	<5	<3	128
CH-89 L0+50WT 8+60S	1.3	1.55	290	<3	118	<3	0.66	0.9	14	17	67	2.78	0.18	0.36	374	2	0.02	121	0.08	39	<3	<5	<2	5	64	<5	<3	141
CH-89 L0+50WT 8+65S	0.5	2.14	31	<3	164	<3	0.17	0.1	9	19	21	1.79	0.08	0.46	211	1	0.02	33	0.09	42	<3	<5	<2	5	36	<5	<3	94
CH-89 L0+50WT 8+70S	0.3	2.63	35	<3	137	<3	0.16	0.1	7	14	15	1.59	0.07	0.20	226	2	0.02	55	0.13	45	<3	<5	<2	6	34	<5	<3	133
CH-89 L0+50WT 8+75S	4.3	1.58	130	<3	228	<3	2.98	2.6	18	50	59	3.44	0.52	0.70	361	3	0.02	192	0.09	94	<3	<5	<2	4	219	<5	<3	277
CH-89 L0+50WT 8+80S	1.8	1.58	93	<3	198	<3	5.34	1.5	17	55	55	3.23	0.81	0.85	282	3	0.02	182	0.09	62	<3	<5	<2	4	260	<5	<3	207
CH-89 L0+50WT 8+85S	1.8	1.17	568	<3	202	<3	4.64	1.5	25	27	75	4.32	0.77	0.78	390	4	0.02	225	0.09	78	<3	<5	<2	5	302	<5	<3	268
CH-89 L0+50WT 9+00S	10.3	0.57	635	<3	244	3	4.48	19.6	30	26	122	5.47	0.80	1.22	275	8	0.01	292	0.13	435	<3	<5	<2	5	433	<5	<3	1658
CH-89 L0+50WT 9+05S	1.3	2.24	28	<3	103	<3	0.33	0.6	17	71	44	3.01	0.15	1.00	229	2	0.02	198	0.02	45	<3	<5	<2	6	49	<5	<3	124
CH-89 L0+50WT 9+10S	0.3	2.34	23	<3	137	<3	0.22	0.1	11	30	19	2.27	0.10	0.52	295	2	0.02	69	0.03	40	<3	<5	<2	6	34	<5	<3	102
CH-89 L0+50WT 9+15S	0.2	1.96	14	<3	130	<3	0.28	0.3	10	26	25	1.92	0.10	0.53	487	1	0.02	39	0.10	38	<3	<5	<2	5	39	<5	<3	131
CH-89 L0+50WT 9+20S	0.5	2.05	22	<3	119	<3	0.70	0.5	13	40	44	2.66	0.18	0.86	414	2	0.02	60	0.05	42	<3	<5	<2	6	58	<5	<3	115
CH-89 L0+50WT 9+25S	0.8	1.43	19	<3	81	<3	1.56	0.5	12	29	42	2.38	0.29	0.85	440	2	0.03	39	0.09	33	<3	<5	<2	5	101	<5	<3	94
CH-89 L0+50WT 9+30S	0.5	1.93	12	<3	114	<3	0.34	0.3	11	33	34	2.25	0.12	0.69	369	2	0.02	45	0.04	38	<3	<5	<2	5	39	<5	<3	102
Minimum Detection	0.1	0.01	3	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	3	5	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	100	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	100	100	2000	1000	10000	100	1000	20000

REPORT #: 890072 PA ASHWORTH EXPL Proj: 259 Date In: 89/02/19 Date Out:89/02/22 Att: R KIDLARK

Sample Number	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Pd	Pt	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CH-89 L0+50WT 9+35S	1.9	3.32	25	<3	216	4	0.77	2.9	27	95	100	4.99	0.27	0.98	946	5	0.02	223	0.05	51	<3	<5	<2	7	94	<5	<3	186
CH-89 L0+50WT 9+40S	0.6	2.30	26	<3	109	<3	0.35	1.5	20	119	48	2.99	0.15	1.43	413	3	0.01	188	0.06	34	<3	<5	<2	6	43	<5	<3	138
CH-89 L0+50WT 9+45S	0.6	2.17	8	<3	122	<3	0.30	1.1	13	37	32	2.29	0.12	0.68	378	2	0.02	61	0.07	32	<3	<5	<2	5	36	<5	<3	105
CH-89 L0+50WT 9+50S	0.6	2.39	13	<3	117	<3	0.41	1.3	16	64	47	3.14	0.15	1.14	344	3	0.02	89	0.05	35	<3	<5	<2	6	48	<5	<3	121
CH-89 L1+00W 0+25S	0.9	2.57	10	<3	133	<3	0.47	0.7	13	32	44	2.77	0.17	0.73	635	2	0.03	32	0.07	45	<3	<5	<2	6	58	<5	<3	122
CH-89 L1+00W 0+75S	0.1	2.54	<3	<3	559	<3	1.04	1.2	10	13	32	2.24	0.22	0.50	4221	1	0.03	17	0.21	52	<3	<5	<2	5	164	<5	<3	152
CH-89 L1+00W 1+25S	0.1	2.28	<3	<3	362	<3	0.46	0.5	6	9	15	1.44	0.10	0.30	1052	1	0.02	12	0.46	35	<3	<5	<2	4	98	<5	<3	196
CH-89 L1+00W 1+75S	0.2	2.32	14	<3	109	<3	0.24	0.6	11	26	34	2.43	0.10	0.64	480	2	0.02	34	0.09	36	<3	<5	<2	5	40	<5	<3	145
CH-89 L1+00W 2+25S	1.2	1.81	20	<3	94	<3	1.97	1.2	14	30	52	2.72	0.35	1.01	740	2	0.03	32	0.12	41	<3	<5	<2	5	106	<5	<3	138
CH-89 L1+00W 2+75S	0.3	1.44	79	<3	83	<3	0.99	1.2	17	36	45	2.93	0.23	0.94	776	2	0.02	32	0.12	43	<3	<5	<2	4	90	<5	<3	124
CH-89 L1+00W 3+25S	0.4	1.11	27	<3	59	<3	0.49	1.7	12	27	36	2.55	0.14	0.74	522	2	0.02	34	0.12	31	<3	<5	<2	4	47	<5	<3	128
CH-89 L1+00W 3+75S	0.4	1.07	25	<3	78	<3	0.85	2.1	11	23	35	2.26	0.20	0.74	842	1	0.01	32	0.12	33	<3	<5	<2	4	68	<5	<3	178
CH-89 L1+00W 4+25S	0.2	1.81	103	<3	104	<3	1.05	1.7	40	76	108	3.33	0.26	1.15	899	2	0.01	81	0.09	40	<3	<5	<2	5	91	<5	<3	172
CH-89 L1+00W 4+75S	0.3	3.56	9	<3	99	<3	0.23	0.5	12	15	21	2.04	0.11	0.36	212	1	0.01	26	0.08	38	<3	<5	<2	6	29	<5	<3	103
CH-89 L1+00W 5+25S	0.2	2.83	10	<3	117	<3	0.21	0.1	10	14	20	1.84	0.10	0.35	423	1	0.01	17	0.25	31	<3	<5	<2	5	26	<5	<3	109
CH-89 L1+00W 5+75S	0.4	2.97	12	<3	194	<3	0.60	0.7	12	20	31	2.36	0.17	0.64	830	2	0.02	24	0.10	42	<3	<5	<2	6	56	<5	<3	130
CH-89 L1+00W 6+25S	0.3	3.29	10	<3	118	<3	0.46	0.6	13	19	30	2.23	0.13	0.56	448	1	0.01	27	0.14	35	<3	<5	<2	6	39	<5	<3	138
CH-89 L1+00W 6+75S	0.4	2.69	18	<3	110	<3	0.47	1.2	18	33	52	3.56	0.20	1.16	522	2	0.01	37	0.05	40	<3	<5	<2	6	36	<5	<3	122
CH-89 L1+00W 7+25S	0.6	2.44	24	<3	73	3	0.36	1.2	17	36	89	3.65	0.17	1.27	644	3	0.02	40	0.07	40	<3	<5	<2	6	26	<5	<3	135
CH-89 L1+00W 7+75S	0.6	2.95	18	<3	109	<3	0.49	0.8	15	28	64	3.10	0.17	1.02	607	2	0.02	29	0.12	39	<3	<5	<2	6	32	<5	<3	121
CH-89 L1+00W 8+25S	0.3	1.83	6	<3	119	<3	0.27	0.5	11	22	39	2.20	0.11	0.71	560	2	0.01	58	0.07	29	<3	<5	<2	5	25	<5	<3	105
CH-89 L1+00W 8+75S	1.2	2.38	16	<3	60	<3	0.38	1.1	16	34	98	3.74	0.20	1.20	519	3	0.02	62	0.04	34	<3	<5	<2	6	22	<5	<3	93
CH-89 L1+00W 9+25S	0.4	2.49	11	<3	78	<3	0.27	0.7	14	26	61	2.96	0.14	0.99	474	2	0.02	36	0.07	31	<3	<5	<2	6	21	<5	<3	97
CH-89 L1+00W 9+75S	0.6	1.98	12	<3	78	<3	0.24	1.1	16	50	61	3.13	0.16	1.20	284	3	0.02	104	0.03	32	<3	<5	<2	5	29	<5	<3	152
CH-89 L1+00WT 8+25S	0.6	3.31	11	<3	118	<3	0.34	0.5	12	20	37	2.37	0.12	0.64	465	2	0.02	34	0.17	37	<3	<5	<2	6	28	<5	<3	125
CH-89 L1+00WT 8+30S	0.4	3.09	3	<3	140	<3	0.22	0.1	9	14	25	1.75	0.08	0.38	555	1	0.02	23	0.22	32	<3	<5	<2	6	23	<5	<3	128
CH-89 L1+00WT 8+35S	0.4	3.86	<3	<3	100	<3	0.18	0.3	8	10	23	1.65	0.07	0.27	398	1	0.02	21	0.27	34	<3	<5	<2	6	22	<5	<3	120
CH-89 L1+00WT 8+40S	0.6	2.20	3	<3	125	<3	0.66	1.1	14	21	49	2.87	0.19	0.69	475	2	0.02	66	0.10	32	<3	<5	<2	5	78	<5	<3	145
CH-89 L1+00WT 8+45S	0.4	3.41	<3	<3	156	<3	0.29	0.3	10	14	30	2.06	0.10	0.42	229	1	0.02	25	0.20	33	<3	<5	<2	6	33	<5	<3	113
CH-89 L1+00WT 8+50S	0.2	2.90	5	<3	138	<3	0.20	0.6	13	20	32	2.40	0.11	0.64	417	1	0.01	29	0.11	31	<3	<5	<2	5	22	<5	<3	148
CH-89 L1+00WT 8+55S	0.2	2.70	6	<3	139	<3	0.19	0.6	11	17	25	2.12	0.09	0.40	348	1	0.01	42	0.13	33	<3	<5	<2	5	30	<5	<3	130
CH-89 L1+00WT 8+70S	0.6	2.06	29	<3	111	<3	0.41	0.7	12	22	41	2.44	0.14	0.51	217	1	0.02	55	0.04	28	<3	<5	<2	4	43	<5	<3	100
CH-89 L1+00WT 8+75S	0.9	2.18	23	<3	67	<3	0.29	0.7	14	31	76	3.44	0.20	1.00	334	2	0.02	40	0.03	31	<3	<5	<2	6	34	<5	<3	93
CH-89 L1+00WT 8+80S	0.6	2.58	15	<3	104	<3	0.35	0.7	14	28	47	3.00	0.17	0.92	424	2	0.02	30	0.05	35	<3	<5	<2	6	27	<5	<3	112
CH-89 L1+00WT 8+85S	0.6	2.81	9	<3	113	<3	0.30	0.7	14	27	46	2.94	0.15	0.93	528	2	0.02	26	0.08	36	<3	<5	<2	7	26	<5	<3	114
CH-89 L1+00WT 8+90S	0.6	2.69	7	<3	112	<3	0.39	0.6	13	23	45	2.71	0.15	0.85	592	2	0.02	24	0.09	35	<3	<5	<2	6	28	<5	<3	104
CH-89 L1+00WT 8+95S	0.6	2.77	10	<3	107	<3	0.37	1.1	16	32	63	3.37	0.17	1.00	600	2	0.02	31	0.06	37	<3	<5	<2	6	27	<5	<3	105
CH-89 L1+00WT 9+00S	0.3	2.72	7	<3	119	<3	0.33	0.5	13	25	40	2.64	0.14	0.80	589	1	0.02	25	0.10	35	<3	<5	<2	6	26	<5	<3	108
CH-89 L1+00WT 9+05S	0.6	2.74	13	<3	106	<3	0.29	1.1	15	28	51	3.03	0.15	1.07	573	2	0.02	27	0.08	35	<3	<5	<2	6	22	<5	<3	103
Minimum Detection	0.1	0.01	3	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	3	5	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	100	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	100	100	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

REPORT #: 890072 PA ASHWORTH EXPL Proj: 259 Date In: 89/02/19 Date Out:89/02/22 Att: R KIDLARK

Sample Number	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Pd	Pt	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CH-89 L1+00WT 9+10S	0.3	2.71	10	<3	125	<3	0.40	1.7	14	26	47	2.45	0.14	0.74	578	4	0.02	52	0.10	43	<3	<5	<2	7	29	<5	<3	106
CH-89 L1+00WT 9+15S	0.1	2.79	12	<3	118	<3	0.33	1.2	14	24	46	2.61	0.13	0.79	620	3	0.02	39	0.14	38	<3	<5	<2	7	26	<5	<3	107
CH-89 L1+00WT 9+20S	0.2	2.62	13	<3	106	<3	0.35	1.2	14	24	49	2.76	0.12	0.89	553	2	0.02	37	0.12	37	<3	<5	<2	7	27	<5	<3	108
CH-89 L1+00WT 9+25S	0.1	2.81	13	<3	124	<3	0.35	1.2	13	24	45	2.56	0.12	0.77	571	2	0.02	35	0.10	38	<3	<5	<2	7	29	<5	<3	113
CH-89 L1+50W 0+25S	0.7	3.60	22	<3	232	3	0.53	1.5	19	25	61	3.59	0.20	0.79	886	3	0.06	27	0.06	73	<3	<5	<2	8	81	<5	<3	141
CH-89 L1+50W 1+25S	0.1	1.49	13	<3	72	<3	0.14	0.8	9	21	32	2.20	0.10	0.60	311	2	0.02	29	0.07	33	<3	<5	<2	5	23	<5	<3	115
CH-89 L1+50W 1+75S	1.3	1.81	27	<3	106	<3	0.44	1.2	14	39	56	3.04	0.16	1.09	434	3	0.04	45	0.10	38	<3	<5	<2	6	50	<5	<3	138
CH-89 L1+50W 2+25S	0.7	1.03	25	<3	52	<3	0.40	1.5	10	23	34	2.35	0.14	0.73	550	2	0.04	34	0.11	33	<3	<5	<2	5	35	<5	<3	131
CH-89 L1+50W 2+75S	0.5	1.78	19	<3	76	<3	0.15	0.8	10	27	43	2.30	0.10	0.71	228	2	0.04	30	0.04	32	<3	<5	<2	5	21	<5	<3	96
CH-89 L1+50W 3+25S	1.9	1.56	55	<3	66	<3	1.53	1.5	15	36	73	3.26	0.30	0.97	463	3	0.04	46	0.07	39	<3	<5	<2	5	60	<5	<3	139
CH-89 L1+50W 3+75S	1.3	2.42	43	<3	82	4	0.52	1.7	27	38	93	4.14	0.20	1.36	591	4	0.04	61	0.04	46	<3	<5	<2	7	39	<5	<3	150
CH-89 L1+50W 4+25S	0.5	2.56	10	<3	96	<3	0.15	0.6	10	14	23	1.93	0.09	0.49	308	1	0.03	23	0.11	36	<3	<5	<2	6	15	<5	<3	117
CH-89 L1+50W 4+75S	0.5	3.08	22	<3	119	<3	0.22	0.7	11	16	32	2.24	0.09	0.46	389	2	0.03	25	0.31	44	<3	<5	<2	7	25	<5	<3	138
CH-89 L1+50W 5+25S	0.6	2.81	6	<3	85	<3	0.14	0.5	11	14	32	1.96	0.09	0.51	237	2	0.03	23	0.13	38	<3	<5	<2	7	15	<5	<3	89
CH-89 L1+50W 5+75S	0.5	2.56	15	<3	174	<3	0.64	1.1	11	17	30	2.19	0.17	0.61	803	2	0.04	25	0.10	45	<3	<5	<2	6	56	<5	<3	124
CH-89 L1+50W 6+25S	1.3	2.51	28	<3	88	4	0.35	1.3	19	34	97	3.72	0.18	1.27	467	3	0.04	47	0.04	43	<3	<5	<2	7	29	<5	<3	115
CH-89 L1+50W 6+75S	1.3	4.05	13	<3	110	<3	0.24	0.3	10	13	26	2.00	0.09	0.43	493	2	0.04	24	0.17	48	<3	<5	<2	8	28	<5	<3	95
CH-89 L1+50W 7+25S	0.6	2.88	11	<3	158	<3	0.24	0.5	9	12	24	1.76	0.10	0.38	555	1	0.03	23	0.13	38	<3	<5	<2	6	23	<5	<3	109
CH-89 L1+50W 7+75S	0.6	3.77	9	<3	114	<3	0.17	0.5	9	10	25	1.74	0.09	0.31	423	2	0.04	18	0.13	45	<3	<5	<2	7	15	<5	<3	86
CH-89 L1+50W 8+25S	0.5	2.79	8	<3	113	<3	0.15	0.5	10	12	24	1.78	0.09	0.37	299	1	0.04	19	0.06	39	<3	<5	<2	7	16	<5	<3	77
CH-89 L1+50W 8+75S	1.3	2.23	22	<3	61	<3	0.31	0.8	15	27	61	3.11	0.14	1.08	390	2	0.04	36	0.04	36	<3	<5	<2	7	21	<5	<3	86
CH-89 L1+50W 9+25S	1.3	1.99	26	<3	46	<3	1.99	1.2	15	26	76	3.23	0.40	1.25	493	2	0.04	30	0.05	34	<3	<5	<2	7	49	<5	<3	86
CH-89 L1+50W 9+75S	0.6	3.13	10	<3	134	<3	0.15	0.3	9	11	23	1.72	0.07	0.32	493	2	0.04	21	0.20	40	<3	<5	<2	7	18	<5	<3	98
CH-89 L1+50WT 8+10S	0.1	3.06	13	<3	139	<3	0.27	0.6	11	17	31	2.11	0.10	0.49	638	2	0.02	30	0.19	40	<3	<5	<2	7	24	<5	<3	102
CH-89 L1+50WT 8+15S	0.1	3.64	6	<3	97	<3	0.23	0.3	8	13	25	1.70	0.09	0.32	415	2	0.03	25	0.23	38	<3	<5	<2	7	19	<5	<3	84
CH-89 L1+50WT 8+20S	0.5	2.53	9	<3	172	<3	0.26	0.3	9	13	23	1.72	0.10	0.40	585	1	0.04	21	0.11	36	<3	<5	<2	6	25	<5	<3	99
CH-89 L1+50WT 8+25S	0.6	3.00	9	<3	180	<3	0.28	0.6	11	18	31	2.06	0.10	0.51	299	2	0.04	23	0.04	42	<3	<5	<2	6	24	<5	<3	80
CH-89 L1+50WT 8+30S	0.5	2.78	5	<3	134	<3	0.19	0.5	9	12	21	1.65	0.07	0.36	304	1	0.04	22	0.07	38	<3	<5	<2	6	21	<5	<3	91
CH-89 L1+50WT 8+35S	0.3	2.65	7	<3	130	<3	0.17	0.3	11	18	28	2.25	0.11	0.65	283	1	0.03	24	0.05	35	<3	<5	<2	6	17	<5	<3	80
CH-89 L1+50WT 8+40S	0.3	2.89	5	<3	97	<3	0.16	0.3	10	13	23	1.79	0.09	0.43	383	1	0.03	21	0.10	35	<3	<5	<2	6	18	<5	<3	86
CH-89 L1+50WT 8+45S	0.5	3.12	6	<3	95	<3	0.20	0.5	9	12	22	1.77	0.10	0.38	254	1	0.03	19	0.08	36	<3	<5	<2	7	24	<5	<3	77
CH-89 L1+50WT 8+50S	0.3	3.13	5	<3	113	<3	0.20	0.6	10	13	25	1.87	0.10	0.41	359	1	0.03	22	0.06	37	<3	<5	<2	6	22	<5	<3	85
CH-89 L1+50WT 8+55S	0.5	3.72	6	<3	133	<3	0.18	0.5	10	14	23	2.08	0.10	0.41	197	2	0.03	24	0.09	40	<3	<5	<2	7	23	<5	<3	92
CH-89 L1+50WT 8+60S	0.5	2.91	3	<3	118	<3	0.23	0.5	10	14	25	1.91	0.11	0.46	318	1	0.03	23	0.08	35	<3	<5	<2	6	22	<5	<3	89
CH-89 L1+50WT 8+65S	0.1	2.26	14	<3	137	<3	0.32	0.7	13	18	28	2.23	0.13	0.58	901	1	0.03	22	0.17	36	<3	<5	<2	6	33	<5	<3	110
CH-89 L1+50WT 8+70S	0.1	2.19	12	<3	99	<3	1.28	0.7	12	21	48	2.40	0.28	0.79	611	1	0.02	24	0.07	31	<3	<5	<2	7	50	<5	<3	101
CH-89 L1+50WT 8+75S	0.1	2.17	9	<3	92	<3	1.14	0.7	12	21	49	2.46	0.27	0.82	550	1	0.02	23	0.06	30	<3	<5	<2	6	45	<5	<3	95
CH-89 L1+50WT 8+80S	0.1	2.67	11	<3	94	<3	0.58	1.1	14	26	56	3.20	0.22	1.13	740	2	0.02	26	0.09	32	<3	<5	<2	7	29	<5	<3	106
CH-89 L1+50WT 8+85S	0.2	2.30	11	<3	86	<3	0.41	0.6	12	21	43	2.60	0.16	0.87	533	1	0.02	23	0.10	28	<3	<5	<2	7	22	<5	<3	87
Minimum Detection	0.1	0.01	3	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	3	5	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	100	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	100	100	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

REPORT #: 890072 PA ASHWORTH EXPL Proj: 259 Date In: 89/02/19 Date Out:89/02/22 Att: R KIDLARK

Sample Number	Ag ppm	Al %	As ppm	Au ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Pd ppm	Pt ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
CH-89 L1+50WT 8+90S	1.2	2.49	24	<3	80	<3	0.58	1.5	16	26	63	3.27	0.18	1.17	644	3	0.02	40	0.08	37	<3	<5	<2	7	28	<5	<3	99
CH-89 L1+50WT 8+95S	1.2	2.26	22	<3	58	<3	0.42	2.1	17	30	76	3.46	0.16	1.30	496	3	0.02	45	0.05	34	<3	<5	<2	8	24	<5	<3	91
CH-89 L1+50WT 9+00S	1.2	2.42	18	<3	76	<3	0.38	1.2	14	25	54	2.90	0.16	1.03	479	2	0.02	32	0.06	32	<3	<5	<2	7	25	<5	<3	94
CH-89 L1+50WT 9+05S	1.2	2.45	14	<3	78	<3	0.32	1.1	14	23	46	2.71	0.12	0.92	408	2	0.02	30	0.05	32	<3	<5	<2	7	23	<5	<3	96
CH-89 L1+50WT 9+10S	1.2	2.39	20	<3	58	<3	0.28	1.3	16	29	65	3.47	0.16	1.37	433	3	0.02	35	0.04	31	<3	<5	<2	8	19	<5	<3	96
CH-89 L2+00W 5+75S	1.2	3.69	13	<3	131	<3	0.25	1.7	10	15	31	2.05	0.09	0.47	523	2	0.02	26	0.20	39	<3	<5	<2	7	24	<5	<3	110
CH-89 L2+00W 6+25S	0.6	2.22	10	<3	120	<3	0.29	1.1	13	34	35	2.43	0.11	0.79	477	2	0.03	43	0.08	33	<3	<5	<2	6	38	<5	<3	111
CH-89 L2+00W 6+75S	0.4	2.30	22	<3	108	<3	0.35	1.5	18	33	42	3.38	0.15	1.19	900	2	0.02	39	0.17	35	<3	<5	<2	6	28	<5	<3	152
CH-89 L2+00W 7+25S	1.2	3.61	11	<3	125	<3	0.19	0.7	11	16	29	2.03	0.08	0.45	422	2	0.02	25	0.12	37	<3	<5	<2	7	18	<5	<3	94
CH-89 L2+00W 7+75S	0.5	3.50	12	<3	138	<3	0.17	0.5	12	14	23	2.18	0.10	0.39	753	2	0.02	23	0.22	37	<3	<5	<2	7	19	<5	<3	107
CH-89 L2+00W 8+25S	0.5	1.58	18	<3	47	<3	5.99	0.7	12	18	56	2.34	0.89	0.91	388	1	0.02	22	0.08	26	<3	<5	<2	5	105	<5	<3	73
CH-89 L2+00W 8+75S	1.2	2.45	23	<3	55	3	0.74	1.3	17	29	80	3.61	0.22	1.39	600	2	0.02	33	0.06	31	<3	<5	<2	7	31	<5	<3	100
CH-89 L2+00W 9+25S	0.6	3.60	11	<3	92	<3	0.18	0.5	10	13	31	2.01	0.10	0.46	314	2	0.02	20	0.14	33	<3	<5	<2	7	15	<5	<3	79
CH-89 L2+00W 9+75S	1.2	2.33	6	<3	120	<3	0.37	0.8	13	39	51	2.39	0.14	0.81	212	2	0.02	76	0.03	28	<3	<5	<2	5	40	<5	<3	144
CH-89 L2+50W 5+75S	0.5	3.45	13	<3	129	<3	0.26	0.6	10	18	24	1.88	0.11	0.44	400	2	0.02	36	0.34	33	<3	<5	<2	6	30	<5	<3	136
CH-89 L2+50W 6+25S	0.5	2.88	6	<3	202	<3	0.17	0.6	11	25	22	1.85	0.08	0.49	476	1	0.02	52	0.24	30	<3	<5	<2	6	38	<5	<3	169
CH-89 L2+50W 6+75S	0.2	2.94	7	<3	184	<3	0.22	0.5	11	34	17	1.94	0.09	0.47	446	1	0.02	62	0.11	32	<3	<5	<2	6	40	<5	<3	189
CH-89 L2+50W 7+25S	1.2	3.94	21	<3	98	<3	0.26	0.7	13	21	34	2.48	0.13	0.61	349	2	0.03	37	0.16	39	<3	<5	<2	7	23	<5	<3	128
CH-89 L2+50W 7+75S	0.4	3.12	17	<3	153	<3	0.14	0.5	12	16	26	2.18	0.10	0.46	812	1	0.02	27	0.15	35	<3	<5	<2	7	16	<5	<3	123
CH-89 L2+50W 8+25S	0.4	2.50	15	<3	89	<3	0.25	0.7	13	23	45	2.53	0.11	0.78	507	1	0.02	29	0.07	30	<3	<5	<2	6	23	<5	<3	94
CH-89 L2+50W 8+75S	0.5	3.23	13	<3	126	<3	0.27	1.1	16	29	57	3.19	0.14	1.02	304	3	0.01	74	0.05	34	<3	<5	<2	7	21	<5	<3	92
CH-89 L2+50W 9+25S	0.5	3.37	12	<3	140	<3	0.19	0.6	12	18	29	2.21	0.09	0.48	743	2	0.02	43	0.18	35	<3	<5	<2	6	18	<5	<3	129
CH-89 L2+50W 9+75S	0.5	3.36	9	<3	92	<3	0.13	0.3	9	12	24	1.74	0.07	0.29	299	1	0.02	32	0.18	32	<3	<5	<2	6	14	<5	<3	86
CH-89 L3+00W 5+75N	0.1	2.17	4	<3	92	<3	0.26	0.6	12	40	30	2.35	0.11	0.75	264	3	0.02	73	0.04	29	<3	<5	<2	5	52	<5	<3	121
CH-89 L3+00W 6+25N	1.2	2.64	37	<3	135	<3	0.30	0.7	16	46	42	2.86	0.14	0.90	372	2	0.04	55	0.04	37	<3	<5	<2	7	45	<5	<3	113
CH-89 L3+00W 6+75N	0.4	2.14	12	<3	162	<3	0.19	0.7	13	31	23	2.18	0.10	0.69	685	1	0.02	41	0.11	29	<3	<5	<2	6	33	<5	<3	141
CH-89 L3+00W 7+25N	0.6	2.42	31	<3	157	<3	0.45	1.1	17	30	46	3.17	0.17	0.69	588	2	0.02	86	0.06	36	<3	<5	<2	6	66	<5	<3	136
CH-89 L3+00W 7+75N	0.5	2.41	15	<3	111	<3	0.45	0.7	14	24	48	2.82	0.18	0.92	521	2	0.02	29	0.06	31	<3	<5	<2	6	29	<5	<3	131
CH-89 L3+00W 8+25N	0.5	3.58	6	<3	100	<3	0.20	0.3	11	18	33	2.19	0.10	0.52	304	1	0.02	27	0.17	33	<3	<5	<2	6	19	<5	<3	97
CH-89 L3+00W 8+75N	0.1	2.57	17	<3	114	<3	0.25	0.3	13	18	20	2.17	0.10	0.48	654	1	0.02	28	0.04	31	<3	<5	<2	6	26	<5	<3	94
CH-89 L3+00W 9+25N	0.5	3.58	13	<3	157	<3	0.13	0.3	10	11	19	1.99	0.08	0.26	785	2	0.02	18	0.32	39	<3	<5	<2	7	15	<5	<3	104
CH-89 L3+00W 4+75S	0.2	2.59	<3	<3	221	<3	0.27	0.7	9	15	15	1.64	0.09	0.31	998	1	0.02	32	0.43	29	<3	<5	<2	5	41	<5	<3	182
CH-89 L3+00W 5+25S	1.2	1.62	22	<3	147	<3	1.04	2.2	21	67	89	4.20	0.33	0.92	384	6	0.02	179	0.09	34	<3	<5	<2	5	133	<5	<3	222
CH-89 L3+00W 9+75S	0.2	3.33	17	<3	108	<3	0.14	0.3	9	12	24	1.79	0.09	0.29	848	1	0.02	23	0.24	33	<3	<5	<2	6	18	<5	<3	104
CH-89 L3+50W 4+25N	0.1	1.24	5	<3	150	<3	1.09	0.8	8	20	34	1.79	0.24	0.75	564	1	0.01	51	0.17	28	<3	<5	<2	4	189	<5	<3	212
CH-89 L3+50W 4+75N	0.2	2.85	<3	<3	186	<3	0.21	1.5	15	14	34	2.45	0.13	0.46	628	2	0.01	58	0.24	32	<3	<5	<2	6	33	<5	<3	231
CH-89 L3+50W 5+75N	0.1	2.94	4	<3	143	<3	0.18	0.3	11	21	19	1.98	0.09	0.49	332	1	0.02	54	0.15	30	<3	<5	<2	6	41	<5	<3	136
CH-89 L3+50W 6+25N A	0.5	2.09	89	<3	111	<3	0.53	1.1	14	31	45	2.74	0.17	0.70	412	2	0.02	63	0.07	51	<3	<5	<2	11	60	<5	<3	132
CH-89 L3+50W 6+25N B	0.1	2.65	7	<3	167	<3	0.17	0.5	10	20	19	1.80	0.10	0.48	365	1	0.02	47	0.10	29	<3	<5	<2	6	37	<5	<3	125
Minimum Detection	0.1	0.01	3	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	3	5	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	100	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	100	100	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

REPORT #: 890072 PA | ASHWORTH EXPL | Proj: 259 | Date In: 89/02/19 | Date Out:89/02/22 | Att: R KIDLARK |

Sample Number	Ag ppm	Al %	As ppm	Au ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Pd ppm	Pt ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
CH-89 L3+50W 6+75N	1.2	1.97	20	<3	121	<3	0.28	1.7	14	35	42	2.60	0.15	0.67	305	4	0.02	82	0.03	38	<3	<5	<2	7	45	<5	<3	125
CH-89 L3+50W 5+25S	0.3	1.86	4	<3	106	<3	0.17	1.2	12	28	23	1.95	0.11	0.54	256	3	0.01	62	0.02	31	<3	<5	<2	6	38	<5	<3	100
CH-89 L3+50W 7+25S	0.7	2.37	15	<3	82	<3	0.37	1.1	14	26	57	2.97	0.16	1.10	350	3	0.01	38	0.02	32	<3	<5	<2	6	26	<5	<3	88
CH-89 L3+50W 7+75S	0.3	2.67	22	<3	154	<3	0.26	0.6	11	16	21	2.21	0.13	0.47	600	2	0.01	27	0.46	37	<3	<5	<2	6	27	<5	<3	149
CH-89 L4+00W 3+25S	0.4	1.78	12	<3	112	<3	0.31	0.4	10	23	30	2.01	0.11	0.61	425	1	0.01	29	0.11	29	<3	<5	<2	5	27	<5	<3	108
CH-89 L4+00W 3+75S	1.2	2.23	8	<3	117	<3	1.50	1.1	15	37	51	2.71	0.32	0.93	460	3	0.02	42	0.06	32	<3	<5	<2	6	88	<5	<3	123
CH-89 L4+00W 4+25S	0.3	2.35	31	<3	155	<3	0.61	1.2	18	21	64	3.01	0.20	0.88	980	3	0.01	33	0.07	39	<3	<5	<2	5	77	<5	<3	122
CH-89 L4+00W 4+75S	0.2	1.54	3	<3	181	<3	0.30	0.4	9	13	15	1.61	0.10	0.39	1012	1	0.01	23	0.11	39	<3	<5	<2	4	46	<5	<3	122
CH-89 L4+00W 5+25S	0.4	3.19	10	<3	141	<3	0.27	0.5	13	33	17	2.13	0.11	0.39	517	2	0.01	83	0.17	36	<3	<5	<2	6	55	<5	<3	178
CH-89 L4+00W 5+75S	0.5	2.58	<3	<3	159	<3	0.28	0.9	13	32	32	2.45	0.13	0.52	394	2	0.02	88	0.10	31	<3	<5	<2	5	49	<5	<3	179
CH-89 L4+00W 6+25S	0.3	2.52	<3	<3	219	<3	0.18	0.8	12	26	17	1.95	0.09	0.51	765	2	0.01	56	0.18	31	<3	<5	<2	5	39	<5	<3	178
CH-89 L4+00W 6+75S	0.7	2.03	60	<3	166	<3	0.52	0.9	13	27	40	2.41	0.16	0.59	628	2	0.02	69	0.14	36	<3	<5	<2	5	83	<5	<3	163
CH-89 L4+00W 7+25S	0.4	1.89	47	<3	122	<3	0.26	0.5	13	28	33	2.51	0.15	0.59	421	2	0.02	60	0.06	33	<3	<5	<2	5	53	<5	<3	116
CH-89 L4+00W 7+75S	0.2	1.68	29	<3	207	<3	0.35	0.6	13	44	27	2.82	0.18	0.68	1160	2	0.02	79	0.10	33	<3	<5	<2	4	76	<5	<3	133
CH-89 L4+00W 8+25S	0.3	2.52	21	<3	123	<3	0.13	0.1	10	24	16	1.86	0.10	0.38	333	1	0.01	48	0.11	31	<3	<5	<2	5	23	<5	<3	118
CH-89 L4+00W 8+75S	0.3	2.35	12	<3	188	<3	0.70	0.8	12	36	27	2.46	0.19	0.81	965	2	0.01	47	0.07	44	<3	<5	<2	5	77	<5	<3	137
CH-89 L4+00W 9+25S	0.6	2.39	26	<3	82	3	0.31	1.3	18	40	82	3.83	0.19	1.30	543	3	0.01	44	0.05	34	<3	<5	<2	6	29	<5	<3	138
CH-89 L4+00W 9+75S	0.1	1.94	25	<3	127	<3	0.27	1.3	15	40	40	2.90	0.17	0.90	799	2	0.02	55	0.07	31	<3	<5	<2	5	34	<5	<3	150
CH-89 L4+50W 2+75S	0.2	1.75	10	<3	116	<3	0.14	0.4	9	21	27	2.00	0.10	0.57	398	1	0.01	29	0.13	25	<3	<5	<2	4	20	<5	<3	106
CH-89 L4+50W 3+25S	0.1	1.83	<3	<3	234	<3	0.45	0.8	8	9	17	1.33	0.11	0.24	772	1	0.01	19	0.72	25	<3	<5	<2	4	99	<5	<3	183
CH-89 L4+50W 3+75S	0.3	1.92	7	<3	143	<3	0.29	0.4	10	21	24	1.93	0.13	0.50	958	2	0.02	53	0.07	44	<3	<5	<2	5	40	<5	<3	114
CH-89 L4+50W 4+25S	0.1	1.69	<3	<3	135	<3	0.13	0.3	7	12	17	1.38	0.06	0.28	838	1	0.01	28	0.08	26	<3	<5	<2	4	21	<5	<3	97
CH-89 L4+50W 4+75S	0.4	2.90	<3	<3	179	<3	0.28	1.1	17	51	38	3.04	0.15	0.72	539	3	0.02	152	0.11	35	<3	<5	<2	6	58	<5	<3	170
CH-89 L4+50W 5+25S	0.4	3.09	<3	<3	179	<3	0.28	1.2	18	52	37	3.14	0.18	0.75	456	3	0.02	156	0.11	38	<3	<5	<2	6	59	<5	<3	178
CH-89 L4+50W 5+75S	0.6	2.50	111	<3	177	<3	0.31	0.9	13	45	27	2.33	0.13	0.72	586	2	0.02	93	0.09	67	<3	<5	<2	5	57	<5	<3	167
CH-89 L4+50W 6+25S	0.5	2.56	115	<3	176	<3	0.32	1.1	13	44	28	2.29	0.13	0.71	528	2	0.02	90	0.08	67	<3	<5	<2	5	58	<5	<3	157
CH-89 L4+50W 6+75S	1.2	2.02	218	<3	151	<3	0.53	1.1	15	19	58	3.13	0.20	0.35	351	2	0.02	131	0.07	41	<3	<5	<2	5	82	<5	<3	169
CH-89 L4+50W 7+25S	0.4	2.83	28	<3	173	<3	0.19	0.5	12	28	19	2.11	0.10	0.54	584	2	0.02	80	0.13	37	<3	<5	<2	5	41	<5	<3	158
CH-89 L4+50W 7+75S	0.1	2.12	23	<3	192	<3	0.28	0.8	14	49	24	2.97	0.17	0.62	889	2	0.01	95	0.06	31	<3	<5	<2	5	55	<5	<3	150
CH-89 L4+50W 8+25S	0.1	2.17	8	<3	134	<3	0.17	0.5	12	41	20	2.42	0.11	0.83	597	2	0.01	79	0.02	30	<3	<5	<2	5	36	<5	<3	171
CH-89 L4+50W 8+75S	0.2	3.42	5	<3	200	<3	0.29	1.1	18	61	26	3.04	0.15	1.14	613	3	0.01	126	0.03	42	<3	<5	<2	5	59	<5	<3	183
CH-89 L4+50W 9+25S	0.2	2.05	19	<3	165	<3	0.39	1.1	15	40	37	2.90	0.19	0.81	733	3	0.02	75	0.04	37	<3	<5	<2	5	69	<5	<3	132
CH-89 L4+50W 9+75S	0.1	2.08	18	<3	162	<3	0.51	1.2	14	44	37	2.90	0.20	0.86	708	2	0.02	72	0.04	38	<3	<5	<2	5	78	<5	<3	120
CH-89 L5+00W 2+25S	0.1	1.27	3	<3	91	<3	0.16	0.1	7	19	13	1.51	0.07	0.45	274	1	0.01	24	0.10	22	<3	<5	<2	4	23	<5	<3	91
CH-89 L5+00W 3+25S	0.3	2.23	<3	<3	108	<3	0.20	0.5	13	24	25	2.17	0.10	0.64	328	1	0.02	37	0.06	30	<3	<5	<2	5	30	<5	<3	152
CH-89 L5+00W 3+75S	0.1	1.76	5	<3	93	<3	0.19	0.3	9	20	19	1.91	0.09	0.54	314	1	0.02	25	0.03	25	<3	<5	<2	4	26	<5	<3	106
CH-89 L5+00W 4+25S	0.1	1.51	<3	<3	101	<3	0.13	0.1	7	16	12	1.49	0.06	0.43	557	1	0.02	19	0.03	22	<3	<5	<2	4	25	<5	<3	92
CH-89 L5+00W 4+75S	0.3	2.82	7	<3	165	<3	0.19	0.5	14	19	31	2.30	0.11	0.55	887	2	0.02	36	0.09	34	<3	<5	<2	6	28	<5	<3	164
CH-89 L5+00W 5+25S	0.3	2.90	8	<3	186	<3	0.12	0.5	11	17	25	1.91	0.10	0.42	770	2	0.02	44	0.18	34	<3	<5	<2	5	30	<5	<3	159
Minimum Detection	0.1	0.01	3	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	3	5	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	100	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	100	100	2000	1000	10000	100	1000	20000

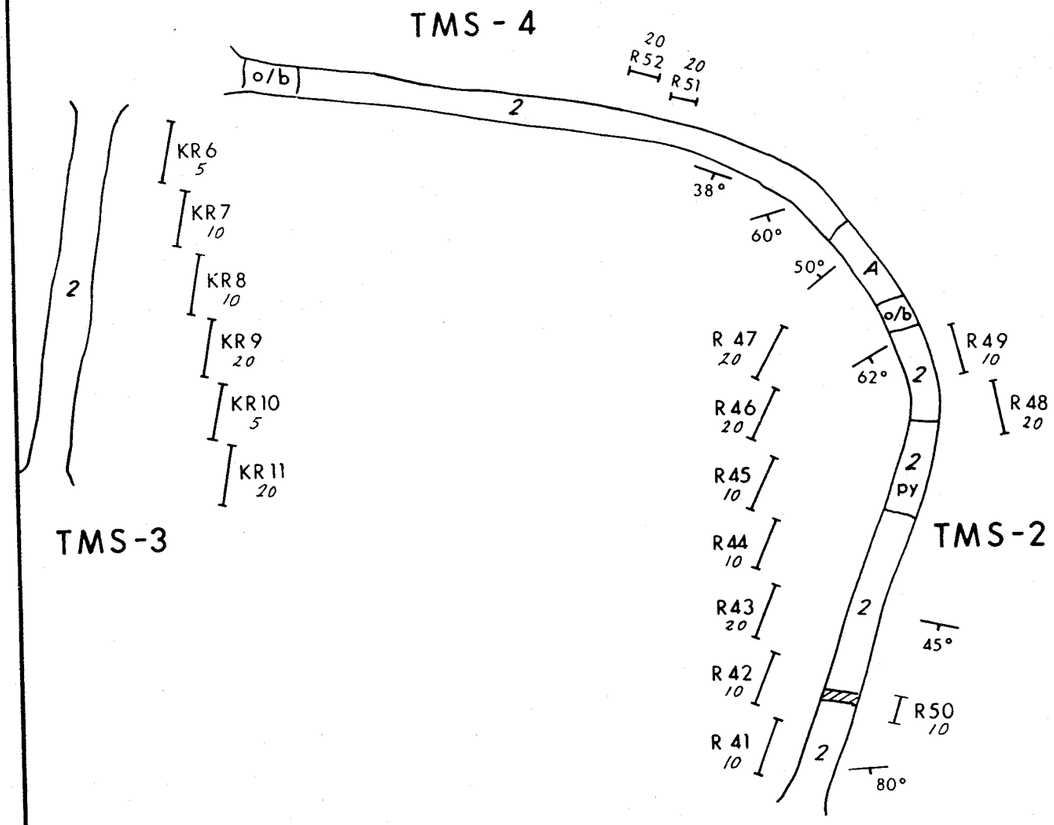
< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

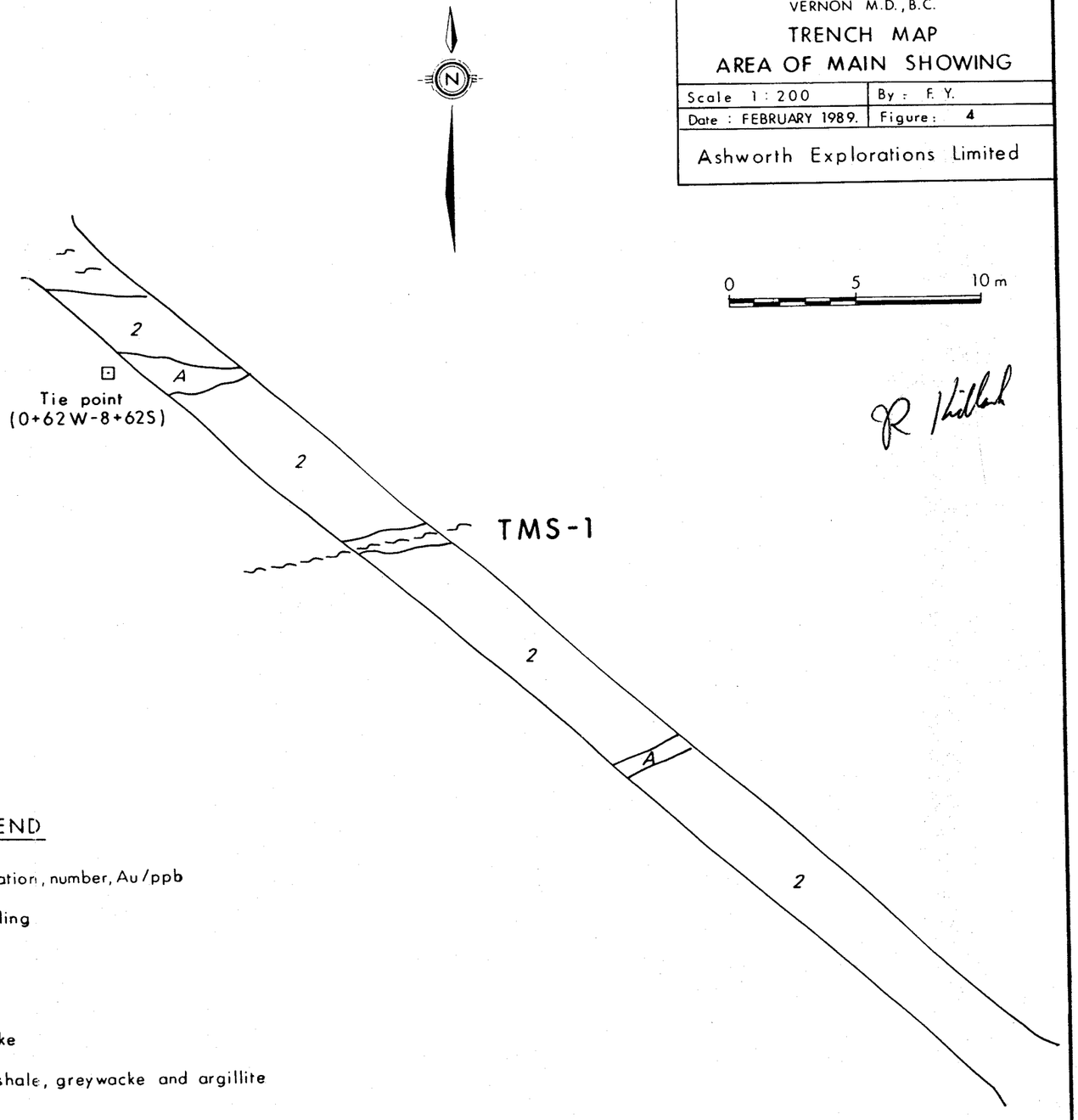
HANNA PACIFIC STEEL COMPANY LTD.

HILTON CLAIM GROUP
VERNON M.D., B.C.
TRENCH MAP
AREA OF MAIN SHOWING

Scale 1:200	By: F. Y.
Date: FEBRUARY 1989.	Figure: 4

Ashworth Explorations Limited





LEGEND

- Rock sample location, number, Au/ppb
- 80° Attitude of bedding
- Quartz vein
- Shear zone
- A Lamprophyre dyke
- 2 Black to grey shale, greywacke and argillite

REPORT #: B90072 PA | ASHWORTH EXPL | Proj: 259 | Date In: 89/02/19 | Date Out:89/02/22 | Att: R KIDLARK |

Sample Number	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Pd	Pt	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CH-89 L5+00W 5+75S	1.3	2.95	6	<3	137	<3	0.16	1.1	12	28	27	2.02	0.10	0.60	321	2	0.03	62	0.13	37	<3	<5	<2	7	37	<5	<3	160
CH-89 L5+00W 6+25S	1.4	3.70	401	<3	127	<3	0.32	0.1	9	13	19	1.70	0.11	0.24	329	1	0.03	100	0.37	55	<3	<5	<2	7	64	<5	<3	160
CH-89 L5+00W 6+75S	1.3	2.59	18	<3	143	<3	0.16	0.5	9	17	15	1.49	0.08	0.37	320	1	0.03	59	0.16	34	<3	<5	<2	6	30	<5	<3	161
CH-89 L5+00W 7+25S	0.8	2.37	9	<3	146	<3	0.09	0.5	9	17	15	1.61	0.08	0.22	372	1	0.03	67	0.15	33	<3	<5	<2	6	22	<5	<3	144
CH-89 L5+00W 7+75S	0.6	2.47	15	<3	157	<3	0.11	0.9	13	54	24	2.54	0.11	0.89	202	1	0.03	85	0.02	32	<3	<5	<2	6	29	<5	<3	115
CH-89 L5+50W 3+25N	1.3	2.54	<3	<3	145	<3	0.15	1.1	13	26	31	2.38	0.11	0.71	406	1	0.03	41	0.07	36	<3	<5	<2	7	29	<5	<3	187
CH-89 L5+50W 3+75N	1.4	3.17	10	<3	204	<3	0.28	1.2	30	13	142	3.45	0.16	0.80	811	2	0.03	55	0.19	44	<3	<5	<2	7	56	<5	<3	243
CH-89 L5+50W 4+25N	0.6	1.63	3	<3	164	<3	0.12	0.4	10	18	21	1.71	0.09	0.45	1482	1	0.03	23	0.09	28	<3	<5	<2	5	20	<5	<3	186
CH-89 L5+50W 4+75N	0.6	2.19	6	<3	109	<3	0.17	0.5	12	22	25	2.00	0.08	0.58	296	1	0.03	27	0.05	32	<3	<5	<2	6	31	<5	<3	112
CH-89 L5+50W 5+75N	2.4	2.02	15	<3	135	<3	0.60	1.8	22	30	81	4.18	0.22	0.68	423	7	0.04	155	0.07	40	<3	<5	<2	6	71	<5	<3	231
CH-89 L5+50W 6+25N	0.6	2.44	20	<3	201	<3	0.10	0.5	14	34	41	2.75	0.11	0.51	245	1	0.03	115	0.06	35	<3	<5	<2	6	29	<5	<3	139
CH-89 L5+50W 6+75N	0.6	1.94	14	<3	150	<3	0.17	0.5	11	17	20	1.74	0.08	0.38	625	1	0.03	38	0.10	33	<3	<5	<2	6	38	<5	<3	170
CH-89 L5+50W 7+25N	0.6	3.62	20	<3	244	<3	0.13	0.9	15	59	21	2.35	0.11	0.69	248	1	0.03	146	0.06	40	<3	<5	<2	7	34	<5	<3	167
CH-89 L5+50W 7+75N	0.6	1.82	16	<3	106	<3	0.22	0.5	16	41	35	2.59	0.12	0.90	386	1	0.03	53	0.06	32	<3	<5	<2	6	40	<5	<3	121
CH-89 L5+50W 2+25S	0.6	1.54	11	<3	132	<3	0.11	0.1	6	11	10	1.35	0.07	0.19	225	1	0.03	12	0.40	27	<3	<5	<2	5	23	<5	<3	75
CH-89 L5+50W 2+75S	1.3	3.22	5	<3	71	<3	0.22	0.4	13	8	26	1.70	0.08	0.24	400	1	0.03	21	0.15	37	<3	<5	<2	7	26	<5	<3	90
CH-89 L6+00W 1+25S	1.3	1.28	30	<3	48	<3	1.62	1.2	12	24	46	2.52	0.28	0.82	447	2	0.04	32	0.11	28	<3	<5	<2	5	93	<5	<3	112
CH-89 L6+00W 1+75S	0.6	2.34	358	<3	191	3	1.22	4.7	35	41	140	4.60	0.29	1.32	1400	5	0.03	67	0.12	55	<3	<5	<2	6	138	<5	<3	313
CH-89 L6+00W 2+25S	0.1	2.56	31	<3	140	<3	0.45	1.6	27	27	95	3.98	0.20	0.87	1346	2	0.03	48	0.13	45	<3	<5	<2	6	65	<5	<3	164
CH-89 L6+00W 2+75S	0.1	2.01	6	<3	113	<3	0.25	0.6	10	19	21	2.21	0.12	0.60	584	1	0.03	22	0.08	36	<3	<5	<2	6	38	<5	<3	129
CH-89 L6+00W 3+25S	0.1	1.85	10	<3	255	<3	0.31	1.8	13	18	37	2.75	0.14	0.64	971	2	0.02	64	0.15	35	<3	<5	<2	5	44	<5	<3	226
CH-89 L6+00W 3+75S	0.1	2.18	<3	<3	178	<3	0.18	0.4	8	15	16	1.48	0.08	0.37	759	1	0.02	43	0.14	30	<3	<5	<2	5	31	<5	<3	201
CH-89 L6+00W 4+25S	0.1	2.69	<3	<3	284	<3	0.32	1.6	22	20	30	2.39	0.13	0.48	2177	1	0.02	54	0.20	38	<3	<5	<2	6	46	<5	<3	293
CH-89 L6+00W 4+75S	0.1	2.28	3	<3	164	<3	0.33	0.6	11	24	26	2.02	0.10	0.58	976	1	0.02	43	0.13	31	<3	<5	<2	6	50	<5	<3	171
CH-89 L6+00W 5+25S	0.6	2.25	20	<3	131	<3	0.31	1.1	16	35	46	2.87	0.14	0.86	640	1	0.03	48	0.07	35	<3	<5	<2	6	42	<5	<3	147
CH-89 L6+00W 5+75S	0.6	1.99	109	<3	97	<3	0.46	1.7	20	39	110	4.23	0.19	0.96	654	3	0.03	90	0.10	41	<3	<5	<2	6	55	<5	<3	180
CH-89 L6+00W 6+25S	0.1	1.87	118	<3	153	<3	0.43	0.9	13	33	24	2.45	0.15	0.43	1106	1	0.02	128	0.08	60	<3	<5	<2	5	94	<5	<3	217
CH-89 L6+00W 6+75S	0.1	2.89	44	<3	119	<3	0.14	0.4	9	26	14	1.77	0.09	0.24	468	1	0.02	50	0.13	41	<3	<5	<2	6	36	<5	<3	170
CH-89 L6+00W 7+25S	0.1	1.66	11	<3	69	<3	0.14	0.5	11	39	24	2.25	0.10	0.76	178	1	0.02	50	0.02	26	<3	<5	<2	5	26	<5	<3	106
CH-89 L6+00W 7+75S	0.1	2.50	19	<3	123	<3	0.12	0.3	14	28	22	2.27	0.10	0.47	509	1	0.02	84	0.08	33	<3	<5	<2	6	23	<5	<3	138
Minimum Detection	0.1	0.01	3	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	3	5	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	100	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	100	100	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
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VANCOUVER, B.C. V5L 1K5
• (604) 251-5656
• FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

ASSAY ANALYTICAL REPORT

CLIENT: ASHWORTH EXPLORATION LTD.
ADDRESS: 1010 - 789 W. Pender Street
: Vancouver, B.C.
: V6C 1H2

DATE: Feb 23 1989
REPORT#: 890082 AA
JOB#: 890082

PROJECT#: 259
SAMPLES ARRIVED: Feb 23 1989
REPORT COMPLETED: Feb 23 1989
ANALYSED FOR: Pb Zn Ag

INVOICE#: 890082 NA
TOTAL SAMPLES: 3
REJECTS/PULPS: 90 DAYS/1 YR
SAMPLE TYPE: PULPS

SAMPLES FROM: VGC ARCHIVES
COPY SENT TO: ASHWORTH EXPLORATION LTD.

PREPARED FOR: MR. PETER LERICHE

ANALYSED BY: David Chiu

SIGNED: _____

Registered Provincial Assayer

GENERAL REMARK: RE: job no. 890068

VGC VANGEOCHEM LAB LIMITED

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BRANCH OFFICES
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MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890082 AA JOB NUMBER: 890082 ASHWORTH EXPLORATION LTD. PAGE 1 OF 1

SAMPLE #	Pb %	Zn %	Ag oz/st
CH-89 R68	--	2.06	--
CH-89 R74	1.05	.67	2.22
CH-89 R76	1.11	--	2.13
DETECTION LIMIT	.01	.01	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed:

APPENDIX C

ANALYTICAL TECHNIQUES

VGC

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

December 1st, 1987

TO: Peter Leriche
ASHWORTH EXPLORATION LTD.
Mezz Flr - 744 W. Hastings St.
Vancouver, B.C. V6C 1A5

FROM: Vangeochem Lab Limited
1521 Pemberton Avenue
North Vancouver, British Columbia
V7P 2S3

SUBJECT: Analytical procedure used to determine gold by fire assay method and detect by atomic absorption spectrophotometry in geological samples.

1. Method of Sample Preparation

(a) Geochemical soil, silt or rock samples were received at the laboratory in high wet-strength, 4" x 6", Kraft paper bags. Rock samples would be received in poly ore bags.

(b) Dried soil and silt samples were sifted by hand using an 8" diameter, 80-mesh, stainless steel sieve. The plus 80-mesh fraction was rejected. The minus 80-mesh fraction was transferred into a new bag for subsequent analyses.

(c) Dried rock samples were crushed using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for subsequent analyses.

2. Method of Extraction

(a) 20.0 to 30.0 grams of the pulp samples were used. Samples were weighed out using a top-loading balance and deposited into individual fusion pots.

(b) A flux of litharge, soda ash, silica, borax, and, either flour or potassium nitrite is added. The samples are then fused at 1900 degrees Farenhiet to form a lead "button".

(c) The gold is extracted by cupellation and parted with diluted nitric acid.

VGC

VANGEOCHEM LAB LIMITED

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VANCOUVER, B.C. V5L 1L6
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(d) The gold bead is retained for subsequent measurement.

3. Method of Detection

(a) The gold bead is dissolved by boiling with sodium cyanide, hydrogen peroxide and ammonium hydroxide.

(b) The detection of gold was performed with a Techtron model AAS Atomic Absorption Spectrophotometer with a gold hollow cathode lamp. The results were read out on a strip chart recorder. The gold values, in parts per billion, were calculated by comparing them with a set of known gold standards.

4. Analysts

The analyses were supervised or determined by Mr. Conway Chun or Mr. David Chiu and his laboratory staff.

David Chiu
VANGEOCHEM LAB LIMITED

VGC

VANGEOCHEM LAB LIMITED

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December 1st, 1987

TO: Peter Leriche
ASHWORTH EXPLORATION LTD.
Mezz Flr - 744 W. Hastings St.
Vancouver, B.C. V6C 1A5

FROM: Vangeochem Lab Limited
1521 Pemberton Avenue
North Vancouver, British Columbia
V7P 283

SUBJECT: Analytical procedure used to determine hot acid soluble for 28 element scan by Inductively Coupled Plasma Spectrophotometry in geochemical silt and soil samples.

1. Method of Sample Preparation

(a) Geochemical soil, silt or rock samples were received at the laboratory in high wet-strength, 4" x 6", Kraft paper bags. Rock samples would be received in poly ore bags.

(b) Dried soil and silt samples were sifted by hand using an 8" diameter, 80-mesh, stainless steel sieve. The plus 80-mesh fraction was rejected. The minus 80-mesh fraction was transferred into a new bag for subsequent analyses.

(c) Dried rock samples were crushed using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for subsequent analyses.

2. Method of Digestion

(a) 0.50 gram portions of the minus 80-mesh samples were used. Samples were weighed out using an electronic balance.

(b) Samples were digested with a 5 ml solution of HCL:HNO3:H2O in the ratio of 3:1:2 in a 95 degree Celsius water bath for 90 minutes.

(c) The digested samples are then removed from the bath and bulked up to 10 ml total volume with dimineralized water and thoroughly mixed.

VGC

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(604) 251-5656

3. Method of Analyses

The ICP analyses elements were determined by using a Jarrel-Ash ICAP model 9000 directly reading the spectrophotometric emissions. All major matrix and trace elements are interelement corrected. All data are subsequently stored onto disk.

4. Analysts

The analyses were supervised or determined by either Mr. Eddie Tang, and, the laboratory staff.

Eddie Tang
VANGEOCHEM LAB LIMITED

VGC VANGEOCHEM LAB LIMITED

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BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

January 16 1989

TO: Peter Leriche
ASHWORTH EXPLORATION LTD.
718 - 789 West Pender St.
Vancouver, B.C. V6C 1H2

FROM: Vangeochem Lab Limited
1988 Triumph Street
Vancouver, British Columbia
V5L 1K5

SUBJECT: Analytical procedure used to determine hot acid soluble for 28 element scan by Inductively Coupled Plasma Spectrophotometry in geochemical silt and soil samples.

1. Method of Sample Preparation

(a) Geochemical soil, silt or rock samples were received at the laboratory in high wet-strength, 4" x 6", Kraft paper bags. Rock samples would be received in poly ore bags.

(b) Dried soil and silt samples were sifted by hand using an 8" diameter, 80-mesh, stainless steel sieve. The plus 80-mesh fraction was rejected. The minus 80-mesh fraction was transferred into a new bag for subsequent analyses.

(c) Dried rock samples were crushed using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for subsequent analyses.

2. Method of Digestion

(a) 0.50 gram portions of the minus 80-mesh samples were used. Samples were weighed out using an electronic balance.

(b) Samples were digested with a 5 ml solution of HCL:HNO3:H2O in the ratio of 3:1:2 in a 95 degree Celsius water bath for 90 minutes.

(c) The digested samples are then removed from the bath and bulked up to 10 ml total volume with dimineralized water and thoroughly mixed.

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3. Method of Analyses

The ICP analyses elements were determined by using a Jarrel-Ash ICAP model 9000 directly reading the spectrophotometric emissions. All major matrix and trace elements are interelement corrected. All data are subsequently stored onto disk.

4. Analysts

The analyses were supervised or determined by either Mr. Eddie Tang, and, the laboratory staff.

Eddie Tang
VANGEOCHEM LAB LIMITED

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January 16 1989

TO: Peter Leriche
ASHWORTH EXPLORATION LTD.
718 - 789 West Pender St.
Vancouver, B.C. V6C 1H2

FROM: Vangeochem Lab Limited
1988 Triumph Street
Vancouver, British Columbia
V5L 1K5

SUBJECT: Analytical procedure used to determine Aqua Regia soluble gold in geochemical samples.

1. Method of Sample Preparation

(a) Geochemical soil, silt or rock samples were received at the laboratory in high wet-strength, 4" x 6", Kraft paper bags. Rock samples would be received in poly ore bags.

(b) Dried soil and silt samples were sifted by hand using an 8" diameter, 80-mesh, stainless steel sieve. The plus 80-mesh fraction was rejected. The minus 80-mesh fraction was transferred into a new bag for subsequent analyses.

(c) Dried rock samples were crushed using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for subsequent analyses.

2. Method of Digestion

(a) 5.00 to 10.00 grams of the minus 80-mesh portion of the samples were used. Samples were weighed out using an electronic micro-balance and deposited into beakers.

(b) Using a 20 ml solution of Aqua Regia (3:1 solution of HCl to HNO3), each sample was vigorously digested over a hot plate.

(c) The digested samples were filtered and the washed pulps were discarded. The filtrate was then reduced in volume to about 5 ml.

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(d) Au complex ions were then extracted into a di-isobutyl ketone and thiourea medium (Anion exchange liquids "Aliquot 336").

(e) Separatory funnels were used to separate the organic layer.

3. Method of Detection

The detection of Au was performed with a Techtron model AA5 Atomic Absorption Spectrophotometer with a gold hollow cathode lamp. The results were read out onto a strip chart recorder. A hydrogen lamp was used to correct any background interferences. The gold values, in parts per billion, were calculated by comparing them with a set of gold standards.

4. Analysts

The analyses were supervised or determined by Mr. Conway Chun or Mr. David Chiu and his laboratory staff.

David Chiu
VANGEOCHEM LAB LIMITED

VGC VANGEOCHEM LAB LIMITED

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January 16 1989

TO: Peter Leriche
ASHWORTH EXPLORATION LTD.
718 - 789 West Pender St.
Vancouver, B.C. V6C 1H2

FROM: Vangeochem Lab Limited
1988 Triumph Street
Vancouver, British Columbia
V5L 1K5

SUBJECT: Analytical procedure used to determine gold and silver by fire assay method and detect by gravimetry in geological samples.

1. Method of Sample Preparation

(a) Geochemical soil, silt or rock samples were received at the laboratory in high wet-strength, 4" x 6", Kraft paper bags. Rock samples would be received in poly ore bags.

(b) Dried soil and silt samples were sifted by hand using an 8" diameter, 80-mesh, stainless steel sieve. The plus 80-mesh fraction was rejected. The minus 80-mesh fraction was transferred into a new bag for subsequent analyses.

(c) Dried rock samples were crushed using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for subsequent analyses.

2. Method of Extraction

(a) 1/4 to 1 assay tonne of the pulp samples were used. Samples were weighed out using a top-loading balance and deposited into individual fusion pots.

(b) A flux of litharge, soda ash, silica, borax, and, either flour or potassium nitrite is added. The samples are thoroughly mixed, then fused at 1900 degrees Farenhiet to form a lead "button".

(c) The gold and silver is extracted by cupellation and weighed as a dore bead. The gold is then parted with

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diluted nitric acid.

(d) The gold bead is retained for subsequent measurement.

3. Method of Detection

The gold bead is weighed using a Sartorius micro-balance. The weight lost from the original bead is the silver content. Both the silver and the gold are reported in Ounces per short tonne.

4. Analysts

The analyses were supervised or determined by Mr. Conway Chun or Mr. David Chiu and his laboratory staff.

David Chiu
VANGEOCHEM LAB LIMITED

APPENDIX D

SOIL CORRELATION MATRIX AND STATISTICAL HISTOGRAMS

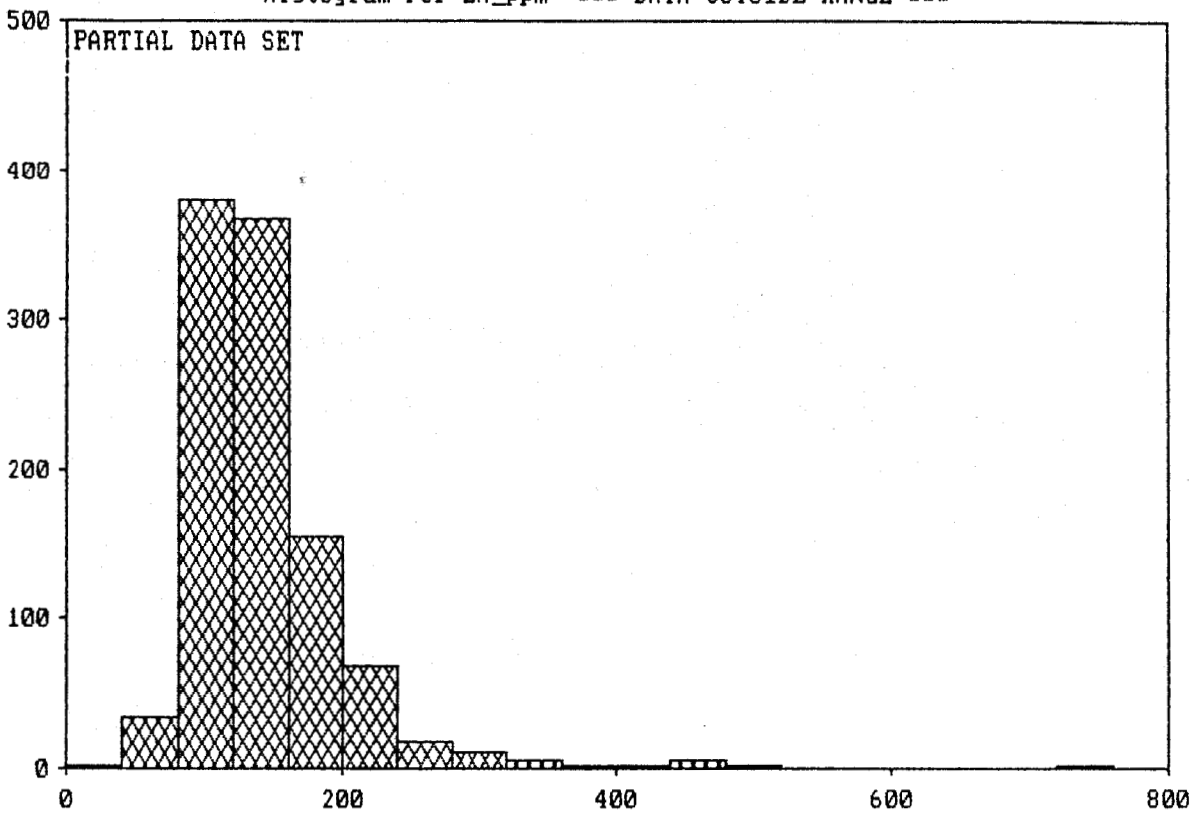
Histogram for Zn_ppm *** DATA OUTSIDE RANGE ***

Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	40	1	0	1	0	
40	80	35	3	36	3	
80	120	380	36	416	40	
120	160	367	35	783	74	Mean
160	200	155	15	938	89	
200	240	69	7	1007	96	
240	280	18	2	1025	97	
280	320	10	1	1035	98	
320	360	5	0	1040	99	
360	400	1	0	1041	99	
400	440	1	0	1042	99	
440	480	5	0	1047	100	
480	520	1	0	1048	100	
520	560	0	0	1048	100	
560	600	0	0	1048	100	
600	640	0	0	1048	100	
640	680	0	0	1048	100	
680	720	0	0	1048	100	
720	760	1	0	1049	100	
760	800	0	0	1049	100	

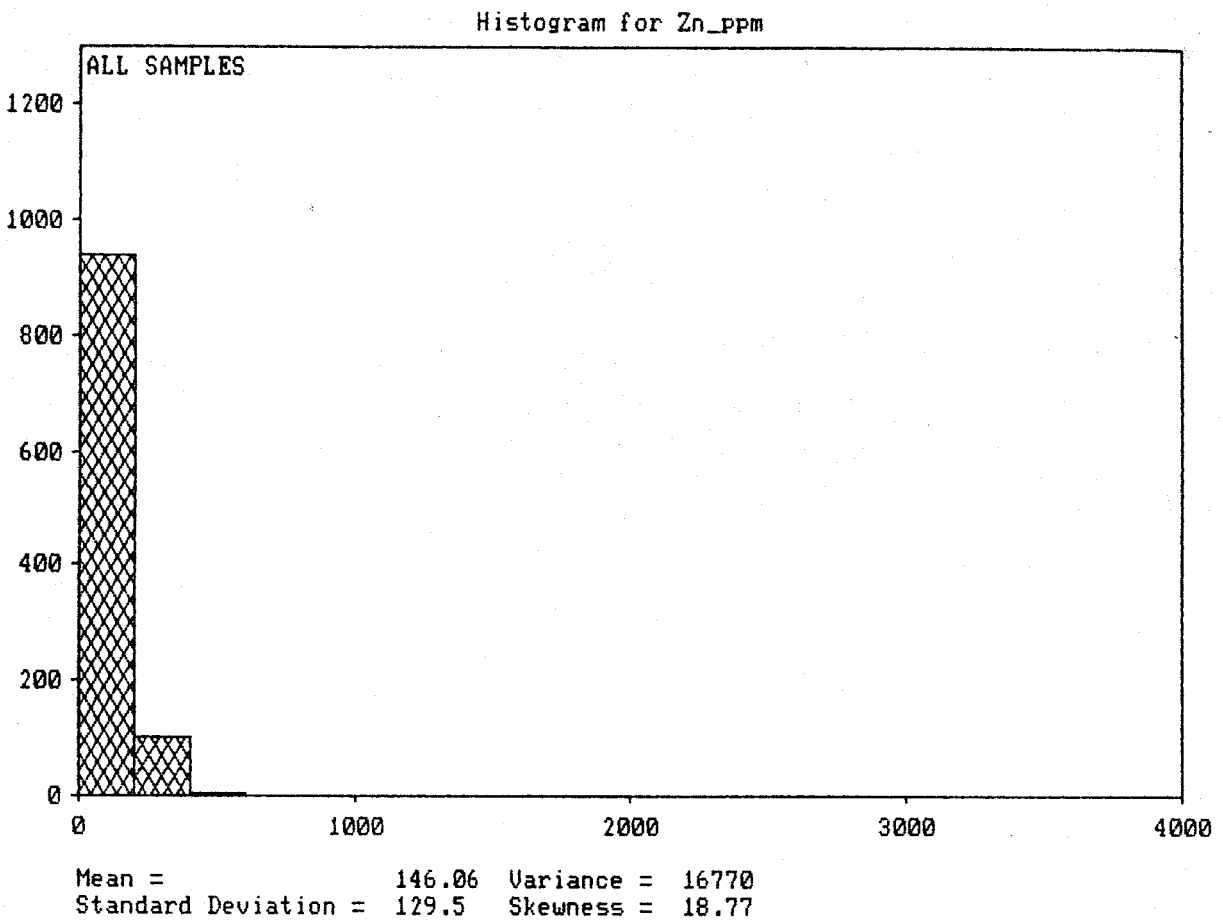
Data elements inside histogram 1049
Data elements outside histogram 3

Descriptive Statistics

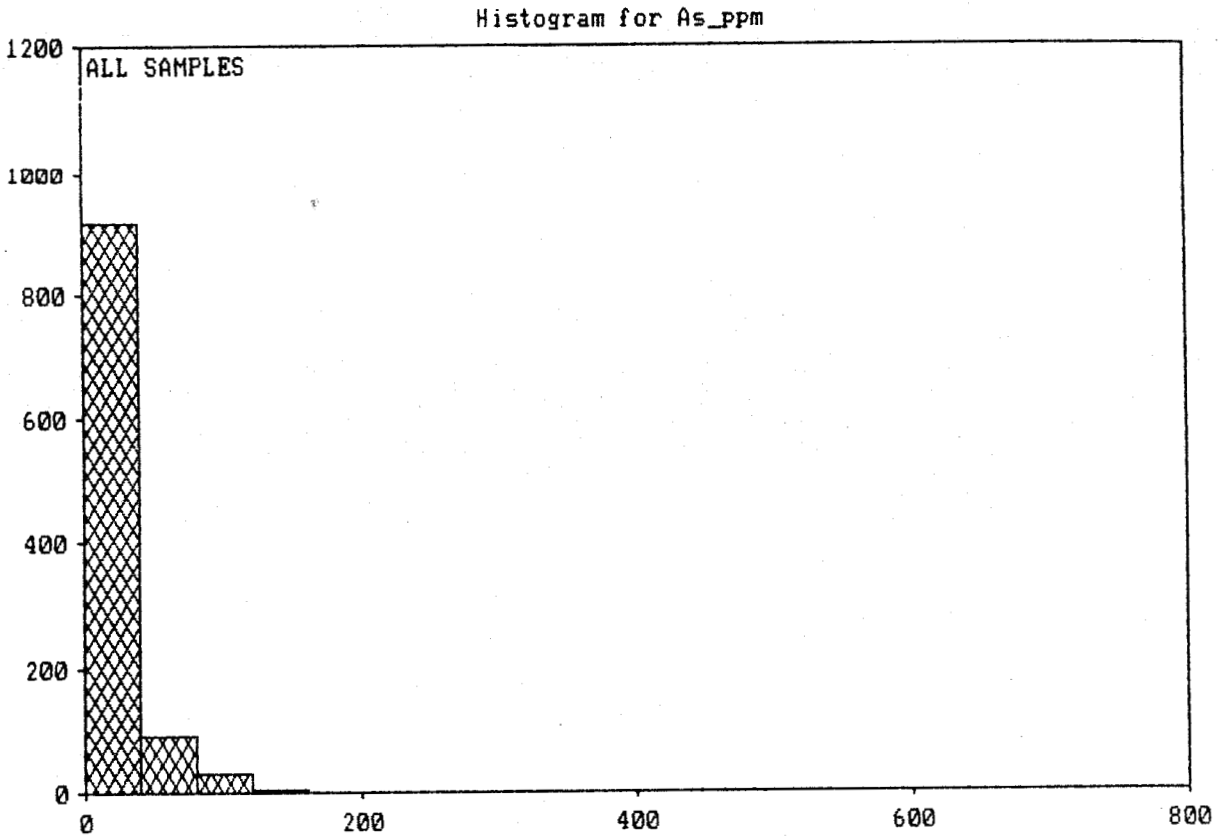
Mean	146.058
Variance	16766.08
Standard Deviation	129.4839
Skewness	18.77193



Mean = 146.06 Variance = 16770
Standard Deviation = 129.5 Skewness = 18.77



Mean = 146.06 Variance = 16770
Standard Deviation = 129.5 Skewness = 18.77



Mean =	24.659	Variance =	1777
Standard Deviation =	42.15	Skewness =	8.532

Comment: ALL SAMPLES

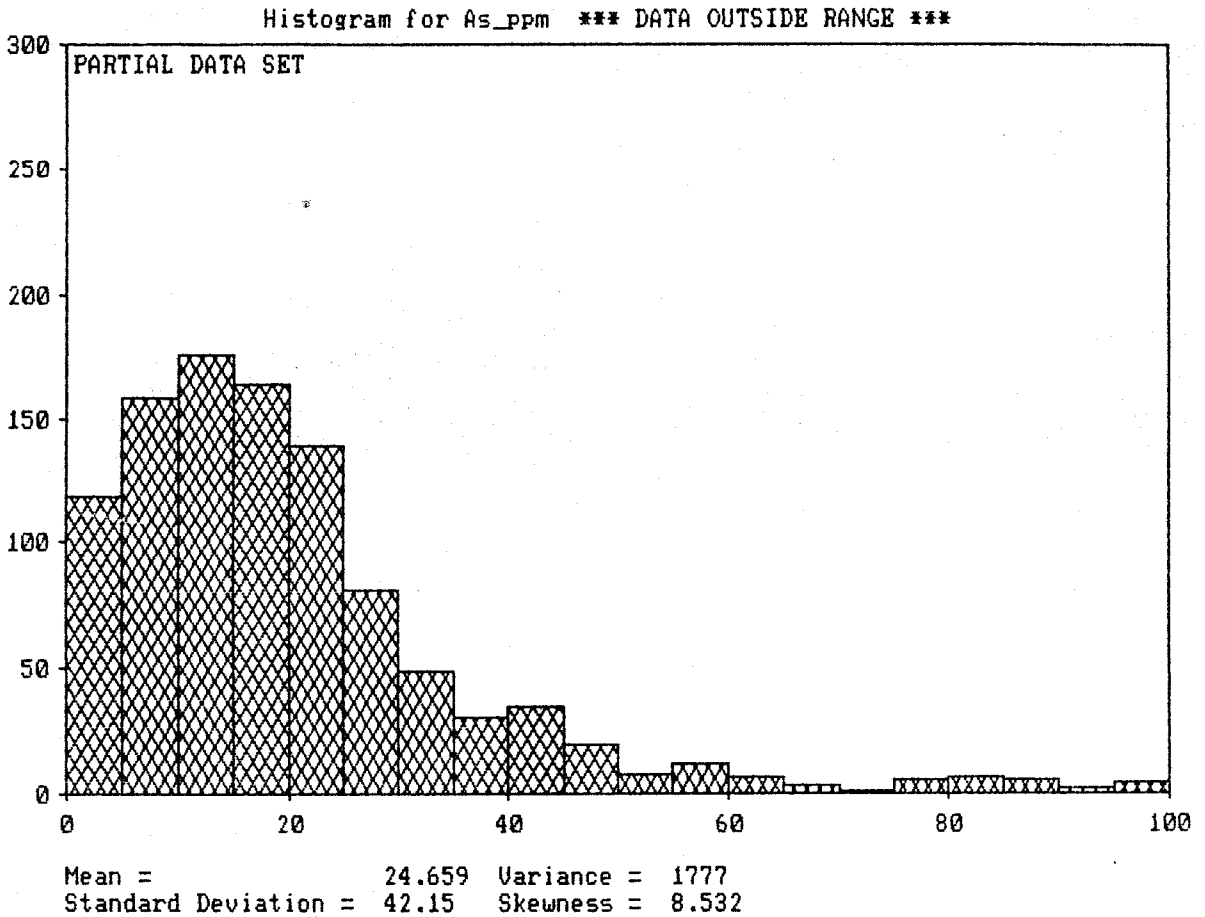
Histogram for As_ppm

Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	40	917	87	917	87	Mean
40	80	90	9	1007	96	
80	120	30	3	1037	99	
120	160	5	0	1042	99	
160	200	0	0	1042	99	
200	240	2	0	1044	99	
240	280	1	0	1045	99	
280	320	2	0	1047	100	
320	360	1	0	1048	100	
360	400	0	0	1048	100	
400	440	1	0	1049	100	
440	480	0	0	1049	100	
480	520	1	0	1050	100	
520	560	0	0	1050	100	
560	600	1	0	1051	100	
600	640	1	0	1052	100	
640	680	0	0	1052	100	
680	720	0	0	1052	100	
720	760	0	0	1052	100	
760	800	0	0	1052	100	

Data elements inside histogram	1052
Data elements outside histogram	0

Descriptive Statistics

Mean	24.65874
Variance	1776.872
Standard Deviation	42.15296
Skewness	8.53168



Mean = 24.659 Variance = 1777
Standard Deviation = 42.15 Skewness = 8.532

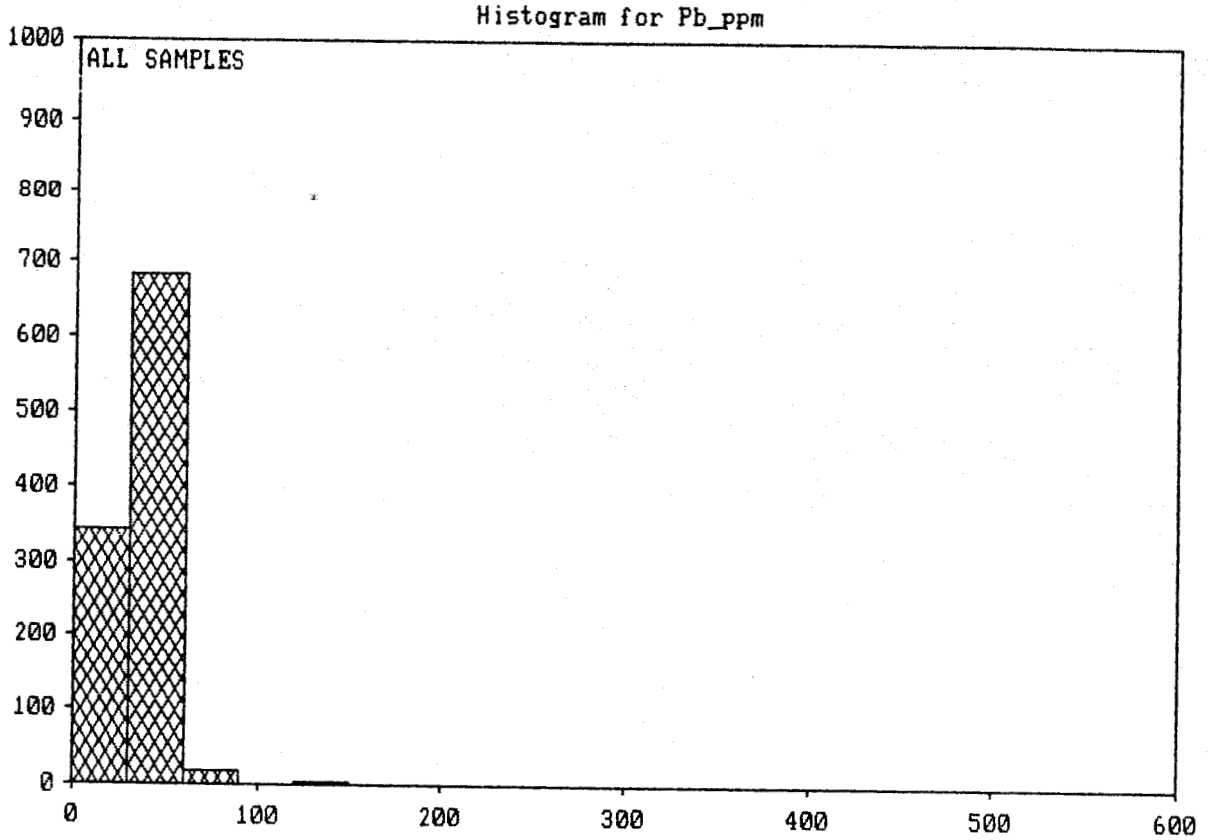
Histogram for As_ppm *** DATA OUTSIDE RANGE ***

Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	5	119	11	119	11	
5	10	159	15	278	26	
10	15	176	17	454	43	
15	20	164	16	618	59	
20	25	139	13	757	72	Mean
25	30	81	8	838	80	
30	35	49	5	887	84	
35	40	30	3	917	87	
40	45	35	3	952	90	
45	50	19	2	971	92	
50	55	8	1	979	93	
55	60	12	1	991	94	
60	65	7	1	998	95	
65	70	3	0	1001	95	
70	75	1	0	1002	95	
75	80	5	0	1007	96	
80	85	7	1	1014	96	
85	90	5	0	1019	97	
90	95	2	0	1021	97	
95	100	4	0	1025	97	

Data elements inside histogram 1025
Data elements outside histogram 27

Descriptive Statistics

Mean	24.65874
Variance	1776.872
Standard Deviation	42.15296
Skewness	8.53168



Mean = 34.787 Variance = 297.5
Standard Deviation = 17.25 Skewness = 13.9

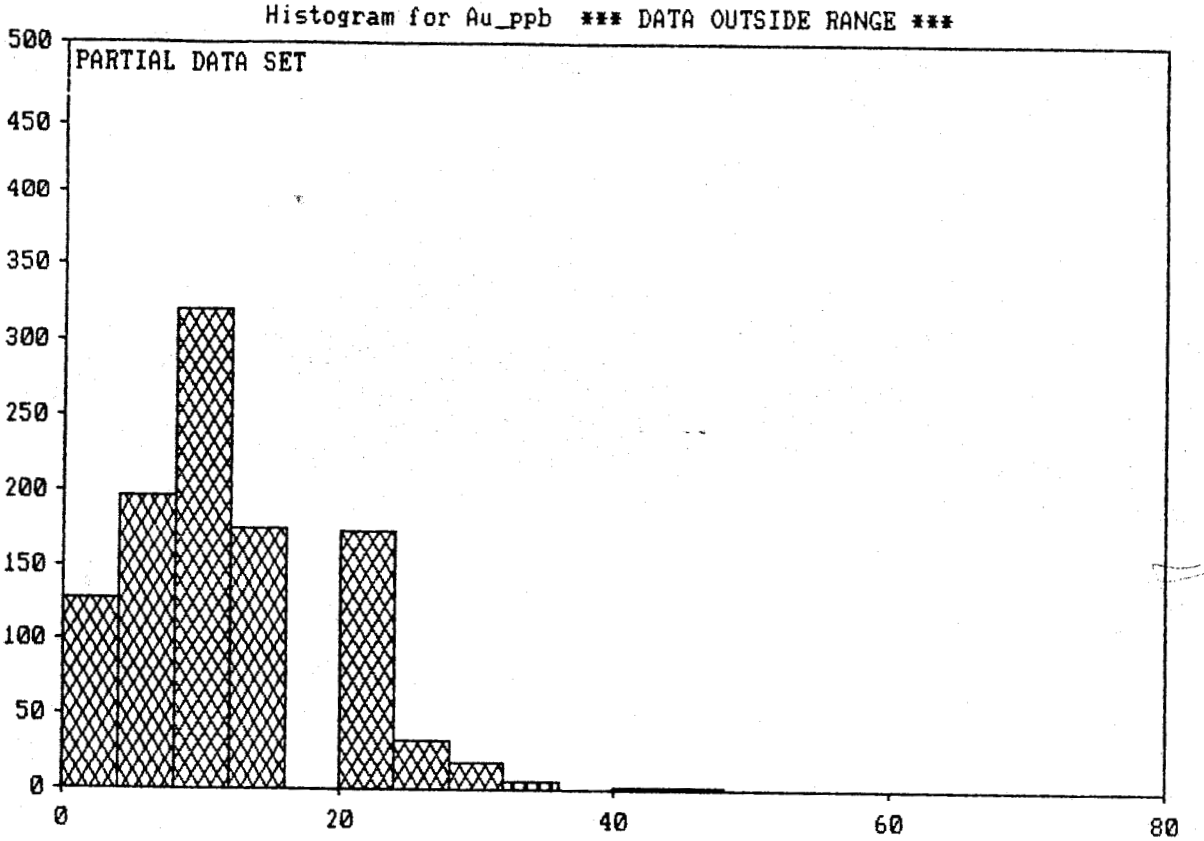
Histogram for Pb_ppm

Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	30	343	33	343	33	
30	60	684	65	1027	98	Mean
60	90	19	2	1046	99	
90	120	1	0	1047	100	
120	150	2	0	1049	100	
150	180	1	0	1050	100	
180	210	1	0	1051	100	
210	240	0	0	1051	100	
240	270	0	0	1051	100	
270	300	0	0	1051	100	
300	330	0	0	1051	100	
330	360	0	0	1051	100	
360	390	0	0	1051	100	
390	420	0	0	1051	100	
420	450	1	0	1052	100	
450	480	0	0	1052	100	
480	510	0	0	1052	100	
510	540	0	0	1052	100	
540	570	0	0	1052	100	
570	600	0	0	1052	100	

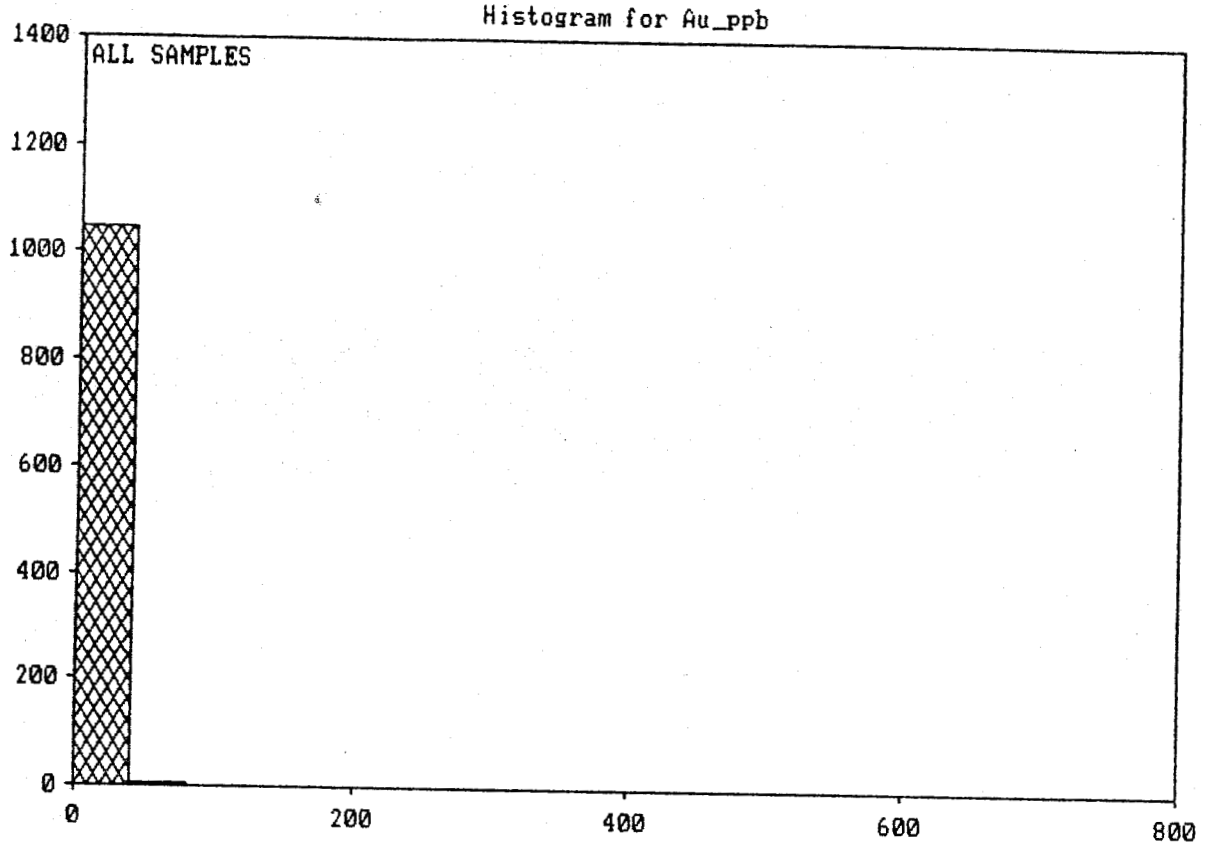
Data elements inside histogram 1052
Data elements outside histogram 0

Descriptive Statistics

Mean	34.78707
Variance	297.536
Standard Deviation	17.24923
Skewness	13.9011



Mean = 12.029 Variance = 434.5
Standard Deviation = 20.84 Skewness = 25.52



Mean = 12.029 Variance = 434.5
Standard Deviation = 20.84 Skewness = 25.52

Comment: ALL SAMPLES

Histogram for Au_ppb

Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	40	1047	100	1047	100	Mean
40	80	3	0	1050	100	
80	120	1	0	1051	100	
120	160	0	0	1051	100	
160	200	0	0	1051	100	
200	240	0	0	1051	100	
240	280	0	0	1051	100	
280	320	0	0	1051	100	
320	360	0	0	1051	100	
360	400	0	0	1051	100	
400	440	0	0	1051	100	
440	480	0	0	1051	100	
480	520	0	0	1051	100	
520	560	0	0	1051	100	
560	600	0	0	1051	100	
600	640	1	0	1052	100	
640	680	0	0	1052	100	
680	720	0	0	1052	100	
720	760	0	0	1052	100	
760	800	0	0	1052	100	

Data elements inside histogram	1052
Data elements outside histogram	0

Descriptive Statistics

Mean	12.02947
Variance	434.4837
Standard Deviation	20.84427
Skewness	25.52462

Comment: PARTIAL DATA SET

Histogram for Au_ppb *** DATA OUTSIDE RANGE ***

Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	4	128	12	128	12	
4	8	196	19	324	31	
8	12	321	31	645	61	
12	16	174	17	819	78	Mean
16	20	0	0	819	78	
20	24	172	16	991	94	
24	28	33	3	1024	97	
28	32	18	2	1042	99	
32	36	5	0	1047	100	
36	40	0	0	1047	100	
40	44	1	0	1048	100	
44	48	2	0	1050	100	
48	52	0	0	1050	100	
52	56	0	0	1050	100	
56	60	0	0	1050	100	
60	64	0	0	1050	100	
64	68	0	0	1050	100	
68	72	0	0	1050	100	
72	76	0	0	1050	100	
76	80	0	0	1050	100	

Data elements inside histogram 1050
Data elements outside histogram 2

Descriptive Statistics

Mean	12.02947
Variance	434.4837
Standard Deviation	20.84427
Skewness	25.52462

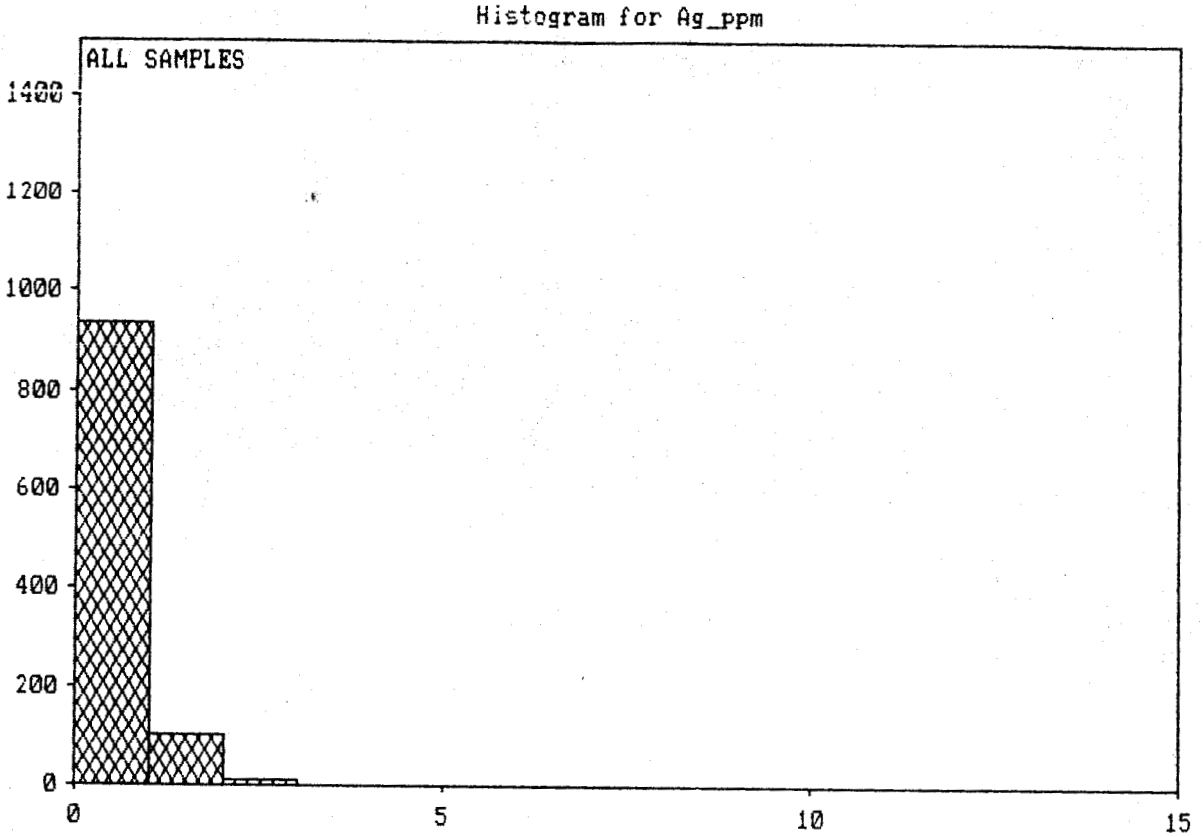
Histogram for Ag_ppm

Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	1	935	89	935	89	Mean
1	2	104	10	1039	99	
2	3	9	1	1048	100	
3	4	1	0	1049	100	
4	5	2	0	1051	100	
5	6	0	0	1051	100	
6	7	0	0	1051	100	
7	8	0	0	1051	100	
8	9	0	0	1051	100	
9	10	0	0	1051	100	
10	11	1	0	1052	100	
11	12	0	0	1052	100	
12	13	0	0	1052	100	
13	14	0	0	1052	100	
14	15	0	0	1052	100	

Data elements inside histogram 1052
Data elements outside histogram 0

Descriptive Statistics

Mean 0.4409705
Variance 0.2800041
Standard Deviation 0.5291541
Skewness 7.819223



Mean = .44097 Variance = .28
Standard Deviation = .5292 Skewness = 7.819

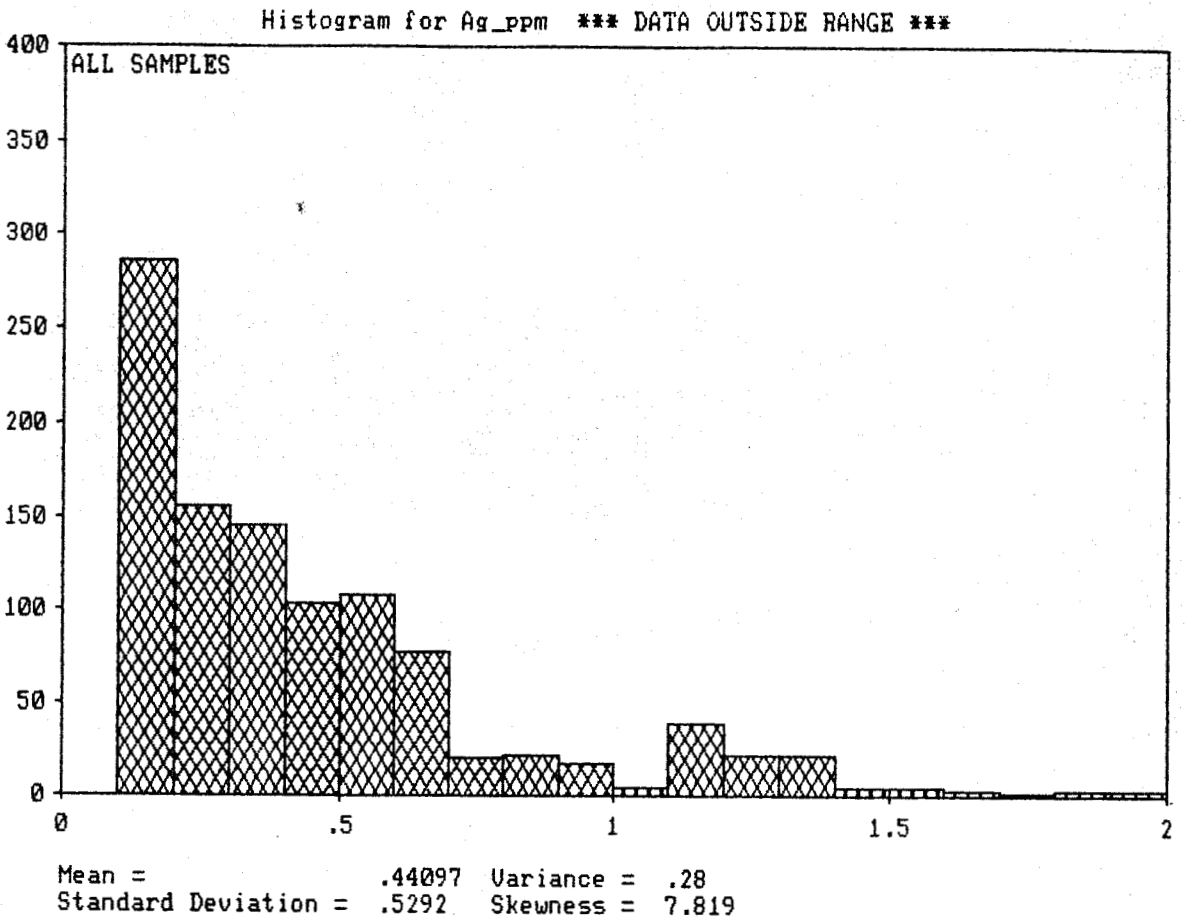
Histogram for Ag_ppm *** DATA OUTSIDE RANGE ***

Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	0.1	0	0	0	0	
0.1	0.2	287	27	287	27	
0.2	0.3	156	15	443	42	
0.3	0.4	145	14	588	56	
0.4	0.5	103	10	691	66	Mean
0.5	0.6	108	10	799	76	
0.6	0.7	78	7	877	83	
0.7	0.8	20	2	897	85	
0.8	0.9	21	2	918	87	
0.9	1	17	2	935	89	
1	1.1	4	0	939	89	
1.1	1.2	39	4	978	93	
1.2	1.3	22	2	1000	95	
1.3	1.4	21	2	1021	97	
1.4	1.5	4	0	1025	97	
1.5	1.6	5	0	1030	98	
1.6	1.7	3	0	1033	98	
1.7	1.8	1	0	1034	98	
1.8	1.9	3	0	1037	99	
1.9	2	3	0	1040	99	

Data elements inside histogram 1040
Data elements outside histogram 12

Descriptive Statistics

Mean	0.4409705
Variance	0.2800041
Standard Deviation	0.5291541
Skewness	7.819223



Mean = .44097 Variance = .28
Standard Deviation = .5292 Skewness = 7.819

HAWNA PACIFIC SOIL SAMPLES — CORRELATION COEFFICIENTS

	AGPPM	ALPCT	ASPPM	AUPPM	BAPPM	BIPPM	CAPCT	CDPPM	COPPM	CRPPM	CUPPM	FEPCT	KPCT	MGPCT	MNPPM	MOPPM	NAPCT	NIPPM	PPCT	PBPPM	PDPPM	PTPPM	SBPPM	SNPPM	SRPPM	UPPM	WPPM	ZNPPM	AUPPB
AGPPM	1.00	0.07	0.45	0.04	-0.06	0.31	0.26	0.51	0.30	0.19	0.43	0.38	0.30	0.29	-0.08	0.32	0.23	0.34	-0.07	0.57	-0.04	0.00	0.00	0.10	0.48	0.23	0.04	0.26	0.62
ALPCT	0.07	1.00	0.01	0.08	0.25	0.22	-0.20	-0.06	0.30	-0.01	0.17	0.19	-0.18	0.07	0.00	0.09	0.05	0.02	0.21	0.17	-0.02	0.00	0.00	0.20	-0.22	-0.02	-0.01	-0.01	-0.08
ASPPM	0.45	0.01	1.00	0.04	0.05	0.18	0.07	0.37	0.33	0.11	0.33	0.38	0.10	0.13	-0.01	0.30	0.04	0.48	-0.02	0.52	-0.02	0.00	0.00	-0.00	0.42	-0.00	0.18	0.24	0.50
AUPPM	0.04	0.08	0.04	1.00	0.02	0.23	-0.00	0.02	0.05	0.10	0.07	0.11	0.01	0.10	-0.01	0.05	0.05	0.03	-0.02	0.02	-0.01	0.00	0.00	0.01	0.01	-0.00	-0.00	-0.00	0.02
BAPPM	-0.06	0.25	0.05	0.02	1.00	-0.09	-0.09	0.12	0.07	-0.07	-0.09	-0.02	-0.09	-0.25	0.52	0.04	-0.08	0.19	0.32	0.18	0.01	0.00	0.00	0.01	0.21	-0.00	-0.01	0.20	0.08
BIPPM	0.31	0.22	0.18	0.23	-0.09	1.00	0.02	0.25	0.58	0.31	0.60	0.59	0.07	0.61	0.12	0.34	0.05	0.11	-0.10	0.19	-0.03	0.00	0.00	0.16	0.07	0.03	0.18	0.05	0.15
CAPCT	0.26	-0.20	0.07	-0.00	-0.09	0.02	1.00	0.06	-0.01	-0.02	0.11	-0.04	0.99	0.07	-0.00	-0.04	0.02	0.03	-0.05	0.03	-0.03	0.00	0.00	-0.08	0.50	0.05	0.01	-0.01	0.09
CDPPM	0.51	-0.06	0.37	0.02	0.12	0.25	0.06	1.00	0.37	0.17	0.38	0.41	0.10	0.28	0.21	0.44	-0.00	0.26	-0.04	0.69	-0.00	0.00	0.00	0.02	0.37	0.03	0.11	0.85	0.57
COPPM	0.30	0.30	0.33	0.05	0.07	0.58	-0.01	0.37	1.00	0.45	0.83	0.84	0.07	0.68	0.26	0.50	0.01	0.36	-0.12	0.26	0.04	0.00	0.00	0.19	0.20	0.02	0.14	0.14	0.20
CRPPM	0.19	-0.01	0.11	0.10	-0.07	0.31	-0.02	0.17	0.45	1.00	0.31	0.49	0.03	0.63	-0.07	0.32	0.02	0.52	-0.26	0.03	0.07	0.00	0.00	0.03	0.11	0.07	0.05	0.01	0.06
CUPPM	0.43	0.17	0.33	0.07	-0.09	0.60	0.11	0.38	0.83	0.31	1.00	0.82	0.19	0.64	0.14	0.51	0.10	0.27	-0.19	0.23	0.05	0.00	0.00	0.09	0.27	0.09	0.14	0.12	0.18
FEPCT	0.38	0.19	0.38	0.11	-0.02	0.59	-0.04	0.41	0.84	0.49	0.82	1.00	0.06	0.72	0.14	0.64	0.14	0.43	-0.27	0.32	0.10	0.00	0.00	0.12	0.23	0.03	0.12	0.14	0.24
KPCT	0.30	-0.18	0.10	0.01	-0.09	0.07	0.99	0.10	0.07	0.03	0.19	0.06	1.00	0.14	0.01	0.02	0.04	0.07	-0.08	0.06	-0.03	0.00	0.00	-0.07	0.54	0.06	0.02	-0.00	0.11
MGPCT	0.29	0.07	0.13	0.10	-0.25	0.61	0.07	0.28	0.68	0.63	0.64	0.72	0.14	1.00	0.08	0.34	0.04	0.16	-0.30	0.10	0.03	0.00	0.00	0.18	0.13	0.04	0.11	-0.01	0.13
MNPPM	-0.08	0.00	-0.01	-0.01	0.52	0.12	-0.00	0.21	0.26	-0.07	0.14	0.14	0.01	0.08	1.00	-0.02	0.02	-0.16	0.26	0.16	-0.06	0.00	0.00	0.11	0.24	-0.03	0.07	0.14	0.03
MOPPM	0.32	0.09	0.30	0.05	0.04	0.34	-0.04	0.44	0.50	0.32	0.51	0.64	0.02	0.34	-0.02	1.00	0.06	0.47	-0.16	0.30	0.06	0.00	0.00	0.03	0.17	0.05	0.10	0.27	0.25
NAPCT	0.23	0.05	0.04	0.05	-0.08	0.05	0.02	-0.00	0.01	0.02	0.10	0.14	0.04	0.04	0.02	0.06	1.00	-0.01	-0.11	0.11	-0.02	0.00	0.00	0.02	0.14	0.01	0.05	-0.09	-0.01
NIPPM	0.34	0.02	0.48	0.03	0.19	0.11	0.03	0.26	0.36	0.52	0.27	0.43	0.07	0.16	-0.16	0.47	-0.01	1.00	-0.19	0.24	0.10	0.00	0.00	-0.06	0.35	0.07	0.01	0.18	0.29
PPCT	-0.07	0.21	-0.02	-0.02	0.32	-0.10	-0.05	-0.04	-0.12	-0.26	-0.19	-0.27	-0.08	-0.30	0.26	-0.16	-0.11	-0.19	1.00	0.04	-0.07	0.00	0.00	0.07	0.00	-0.02	-0.01	0.08	-0.00
PBPPM	0.57	0.17	0.52	0.02	0.18	0.19	0.03	0.69	0.26	0.03	0.23	0.32	0.06	0.10	0.16	0.30	0.11	0.24	0.04	1.00	0.01	0.00	0.00	0.18	0.40	-0.01	0.03	0.58	0.75
PDPPM	-0.04	-0.02	-0.02	-0.01	0.01	-0.03	-0.03	-0.00	0.04	0.07	0.05	0.10	-0.03	0.03	-0.06	0.06	-0.02	0.10	-0.07	0.01	1.00	0.00	0.00	-0.01	-0.05	-0.01	0.04	-0.01	0.04
PTPPM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SBPPM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SNPPM	0.10	0.20	-0.00	0.01	0.01	0.16	-0.08	0.02	0.19	0.03	0.09	0.12	-0.07	0.18	0.11	0.03	0.02	-0.06	0.07	0.18	-0.01	0.00	0.00	1.00	-0.10	-0.01	0.05	-0.09	0.16
SRPPM	0.48	-0.22	0.42	0.01	0.21	0.07	0.50	0.37	0.20	0.11	0.27	0.23	0.54	0.13	0.24	0.17	0.14	0.35	0.00	0.40	-0.05	0.00	0.00	-0.10	1.00	0.13	0.07	0.22	0.40
UPPM	0.23	-0.02	-0.00	-0.00	-0.00	0.03	0.05	0.03	0.02	0.07	0.09	0.03	0.06	0.04	-0.03	0.05	0.01	0.07	-0.02	-0.01	-0.01	0.00	0.00	-0.01	0.13	1.00	-0.00	0.00	0.03
WPPM	0.04	-0.01	0.18	-0.00	-0.01	0.18	0.01	0.11	0.14	0.05	0.14	0.12	0.02	0.11	0.07	0.10	0.05	0.01	-0.01	0.03	0.04	0.00	0.00	0.05	0.07	-0.00	1.00	0.02	0.04
ZNPPM	0.26	-0.01	0.24	-0.00	0.20	0.05	-0.01	0.85	0.14	0.01	0.12	0.14	-0.00	-0.01	0.14	0.27	-0.09	0.18	0.08	0.58	-0.01	0.00	0.00	-0.09	0.22	0.00	0.02	1.00	0.33
AUPPB	0.62	-0.08	0.50	0.02	0.08	0.15	0.09	0.57	0.20	0.06	0.18	0.24	0.11	0.13	0.03	0.25	-0.01	0.29	-0.00	0.75	0.04	0.00	0.00	0.16	0.40	0.03	0.04	0.33	1.00

APPENDIX E

GEOPHYSICAL EQUIPMENT SPECIFICATIONS

Specifications

Frequency Tuning Range	15 to 30 kHz, with bandwidth of 150 Hz; tuning range accommodates new Puerto Rico station at 28.5 kHz.
Transmitting Stations Measured	Up to 3 stations can be automatically measured at any given grid location within frequency tuning range.
Recorded VLF Magnetic Parameters	Vertical in-phase, vertical quadrature (out-of-phase), total field strength (or optional horizontal amplitude), dip angle.
Standard Memory Capacity	1300 combined VLF magnetic and VLF electric measurements as well as gradiometer and magnetometer readings.
Display	Custom designed, ruggedized liquid crystal display with built-in heater and an operating temperature range from −40°C to +55°C. The display contains six numeric digits, decimal point, battery status monitor, signal strength status monitor and function descriptors.
RS232C Serial I/O Interface	Variable baud rate from 300 to 9600 baud, 8 data bits, 2 stop bits, no parity.
Test Mode	A. Diagnostic Testing (data and programmable memory). B. Self Test (hardware).
Sensor Head	Contains 3 orthogonally mounted coils with automatic tilt compensation.
Operating Environmental Range	−40°C to +55°C; 0 – 100% relative humidity; Weatherproof.
Power Supply	Non-magnetic rechargeable sealed lead-acid 18V DC battery cartridge or belt; 18V DC disposable battery belt; 12V DC external power source for base station operation only.
Weights and Dimensions	
Instrument Console	3.8 kg, 122 x 246 x 210 mm.
Sensor Head	0.9 kg, 140 dia. x 130 mm.
VLF Electronics Module	1.7 kg, 280 x 190 x 60 mm.
Lead Acid Battery Cartridge	1.8 kg, 138 x 95 x 75 mm.
Lead Acid Battery Belt	1.8 kg, 540 x 100 x 40 mm.
Disposable Battery Belt	1.2 kg, 540 x 100 x 40 mm.

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Telex: 06 23222 EDA TOR
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Printed in Canada

2000W 1900W 1800W 1700W 1600W 1500W 1400W 1300W 1200W 1100W 1000W 900W 800W 700W 600W 500W 400W 300W 200W 100W 0E

950N 850N 750N 650N 550N 450N 350N 250N 150N 50N 50S 150S 250S 350S 450S 550S 650S 750S 850S 950S 1050S

465 919 443 739 451 508 419 443 3519 474 1658

N

160 to 200 ZNPPM
201 to 280 ZNPPM
281 to 400 ZNPPM
3519 400+ ZNPPM

0 50 100 150 200 250
metres

MAP 10

HANNA PACIFIC STEEL COMPANY LTD

HILTON CLAIM GROUP
Vernon M.D. NTS 82L/2E

SOIL GEOCHEMISTRY
ZINC

ASHWORTH EXPLORATIONS LIMITED

DATE: 24 Feb 1989 | SCALE: 1 : 5000

Drawn by: TONY CLARK CONSULTING

2000W 1900W 1800W 1700W 1600W 1500W 1400W 1300W 1200W 1100W 1000W 900W 800W 700W 600W 500W 400W 300W 200W 100W 0E

950N 850N 750N 650N 550N 450N 350N 250N 150N 50N 50S 150S 250S 350S 450S 550S 650S 750S 850S 950S 1050S

N

3519 Zn ppm

200W 100W 0E

800S 950S

AREA OF DETAILLED SAMPLING. 1:2500

0 50 100 150 200 250 metres

MAP 6

HANNA PACIFIC STEEL COMPANY LTD

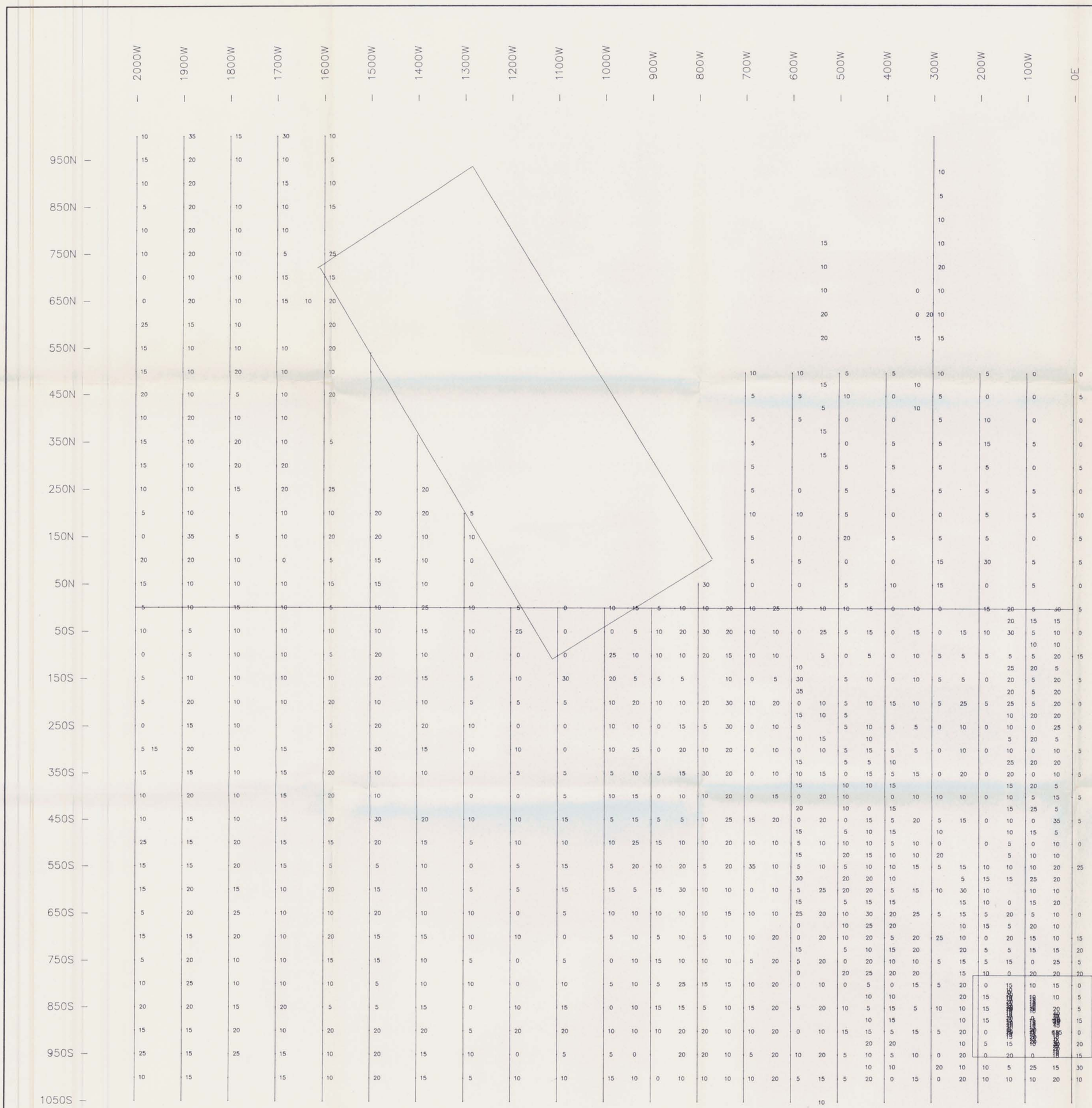
HILTON CLAIM GROUP
Vernon M.D. NTS 82L/2E

SOIL GEOCHEMISTRY
ZINC

ASHWORTH EXPLORATIONS LIMITED

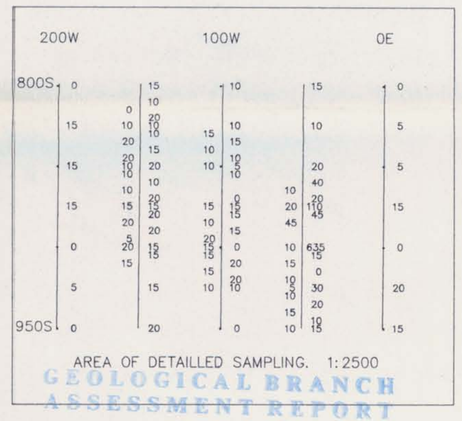
DATE: 24 Feb 1989 | SCALE: 1 : 5000

Drawn by: TONY CLARK CONSULTING



N

635 Au ppb



AREA OF DETAILLED SAMPLING. 1:2500

0 50 100 150 200 250
metres

MAP 3

HANNA PACIFIC STEEL COMPANY LTD

HILTON CLAIM GROUP

Vernon M.D. NTS 82L/2E

SOIL GEOCHEMISTRY
GOLD

ASHWORTH EXPLORATIONS LIMITED

DATE: 24 Feb 1989 | SCALE: 1 : 5000

Drawn by: TONY CLARK CONSULTING

2000W
1900W
1800W
1700W
1600W
1500W
1400W
1300W
1200W
1100W
1000W
900W
800W
700W
600W
500W
400W
300W
200W
100W
0E

950N
850N
750N
650N
550N
450N
350N
250N
150N
50N
50S
150S
250S
350S
450S
550S
650S
750S
850S
950S
1050S

N

.7 to 1 AGPPM
1.1 to 1.5 AGPPM
1.6+ AGPPM

0 50 100 150 200 250
metres

MAP 8

HANNA PACIFIC STEEL COMPANY LTD

HILTON CLAIM GROUP

Vernon M.D. NTS 82L/2E

SOIL GEOCHEMISTRY
SILVER

ASHWORTH EXPLORATIONS LIMITED

DATE: 24 Feb 1989 | SCALE: 1 : 5000

Drawn by: TONY CLARK CONSULTING

2000W 1900W 1800W 1700W 1600W 1500W 1400W 1300W 1200W 1100W 1000W 900W 800W 700W 600W 500W 400W 300W 200W 100W 0E

950N
850N
750N
650N
550N
450N
350N
250N
150N
50N
50S
150S
250S
350S
450S
550S
650S
750S
850S
950S
1050S

N

10.3 Ag ppm

200W 100W 0E

800S

950S

AREA OF DETAILLED SAMPLING. 1:2500

0 50 100 150 200 250 metres

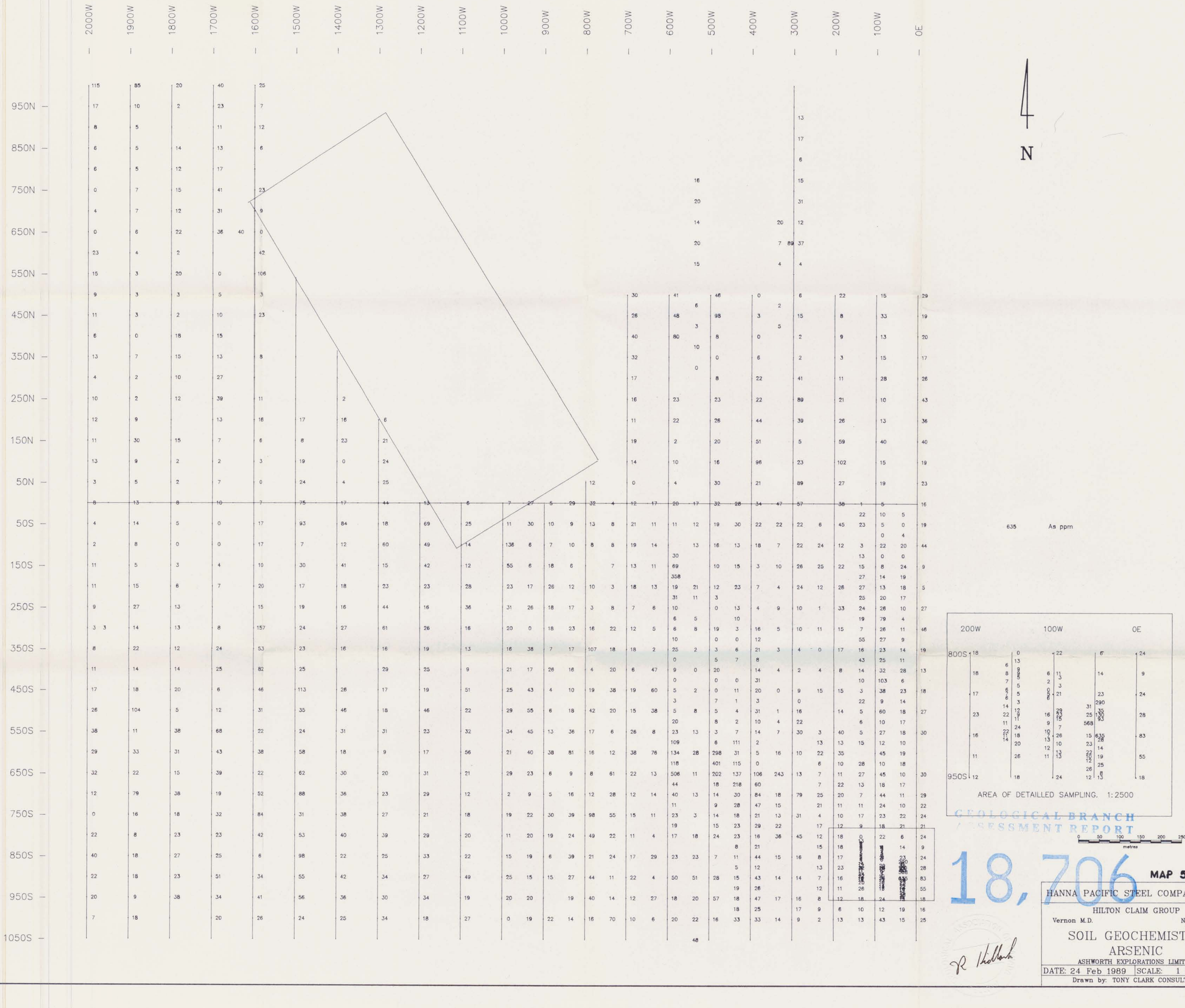
MAP 4

HANNA PACIFIC STEEL COMPANY LTD

HILTON CLAIM GROUP
Vernon M.D. NTS 82L/2E

SOIL GEOCHEMISTRY
SILVER
ASHWORTH EXPLORATIONS LIMITED

DATE: 24 Feb 1989 | SCALE: 1 : 5000
Drawn by: TONY CLARK CONSULTING



635 As ppm

MAP 5

HANNA PACIFIC STEEL COMPANY LTD

HILTON CLAIM GROUP

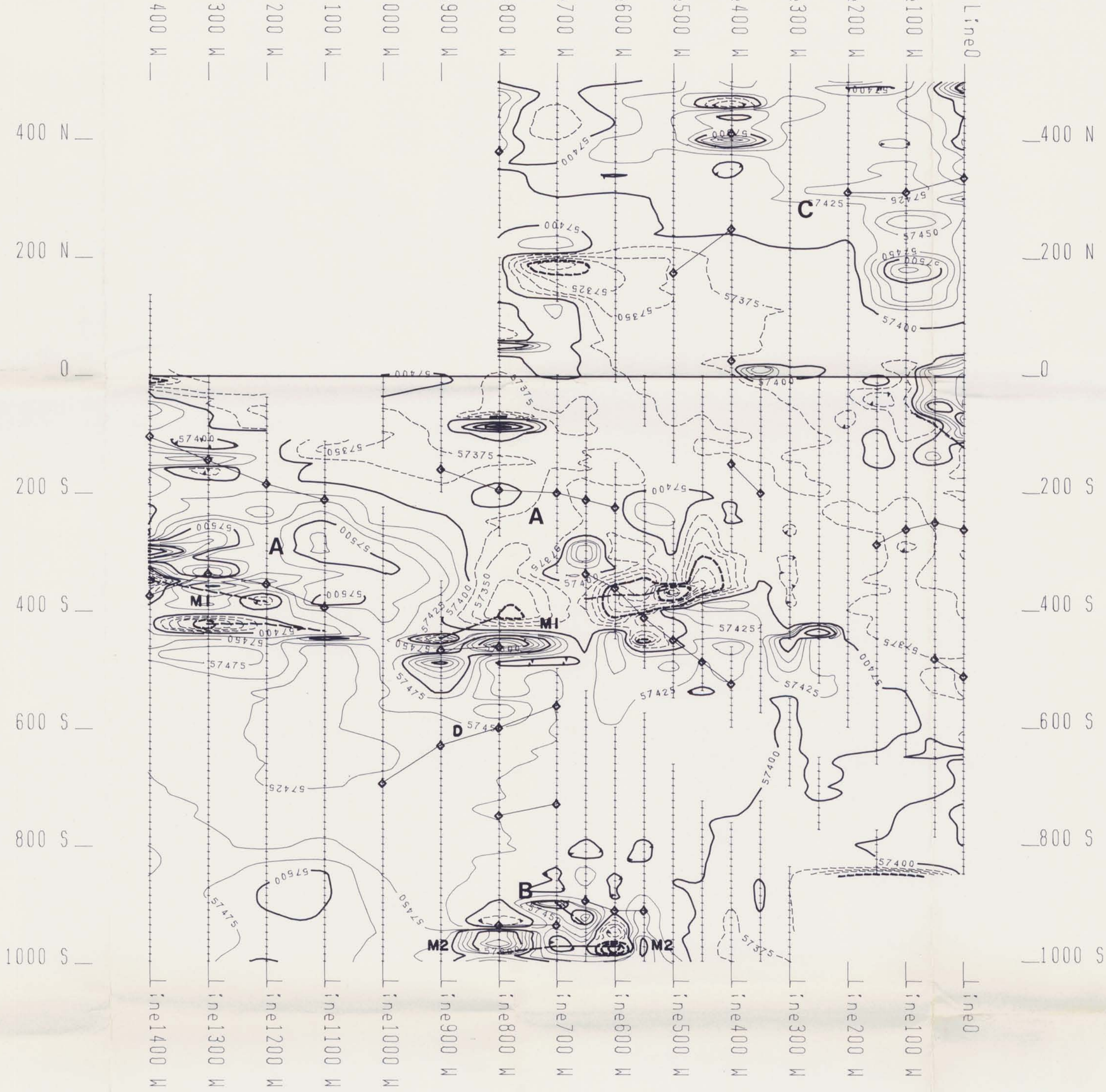
Vernon M.D. NTS 82L/2E

SOIL GEOCHEMISTRY
ARSENIC

ASHWORTH EXPLORATIONS LIMITED

DATE: 24 Feb 1989 | SCALE: 1 : 5000

Drawn by: TONY CLARK CONSULTING



SCALE 1 : 5 000

100 0 100 (metres) 200 300 400

LEGEND

Contour Interval

< 57400 Gammas	> 57400 Gammas	
------	———	25 Gammas
———	———	100 Gammas
———————		Interpreted Fault (Magnetic Lineament)
◇——◇——◇		VLF-EM Conductor

HANNA PACIFIC STEEL COMPANY LTD.

Total Field Magnetic Contours & Geophysical Interpretation

Hilton Claim Group
Vernon Mining Division, B.C.
NTS 82 L/2E

Interpretex Resources Ltd.
Report by T.R. Matich
Surveyed by Ashworth Explorations Limited
Project # 259
February 1989

Map # 14

2000W 1900W 1800W 1700W 1600W 1500W 1400W 1300W 1200W 1100W 1000W 900W 800W 700W 600W 500W 400W 300W 200W 100W 0E

950N 850N 750N 650N 550N 450N 350N 250N 150N 50N 50S 150S 250S 350S 450S 550S 650S 750S 850S 950S 1050S

115 106 136 358 157 107 113 104 103 102 109 298 111 134 401 115 118 106 506 243 202 137 218 130 290 635 568

N

35 to 55 ASPPM
56 to 75 ASPPM
76 to 100 ASPPM
635 100+ ASPPM

0 50 100 150 200 250 metres

MAP 9

HANNA PACIFIC STEEL COMPANY LTD

HILTON CLAIM GROUP
Vernon M.D. NTS 82L/2E

SOIL GEOCHEMISTRY
ARSENIC

ASHWORTH EXPLORATIONS LIMITED

DATE: 24 Feb 1989 | SCALE: 1 : 5000

Drawn by: TONY CLARK CONSULTING

2000W 1900W 1800W 1700W 1600W 1500W 1400W 1300W 1200W 1100W 1000W 900W 800W 700W 600W 500W 400W 300W 200W 100W 0E

950N 850N 750N 650N 550N 450N 350N 250N 150N 50N 50S 150S 250S 350S 450S 550S 650S 750S 850S 950S 1050S

N

20 to 28 AUPPB
29 to 36 AUPPB
37 to 100 AUPPB
635 100+ AUPPB

0 50 100 150 200 250
metres

110
635

MAP 7

HANNA PACIFIC STEEL COMPANY LTD

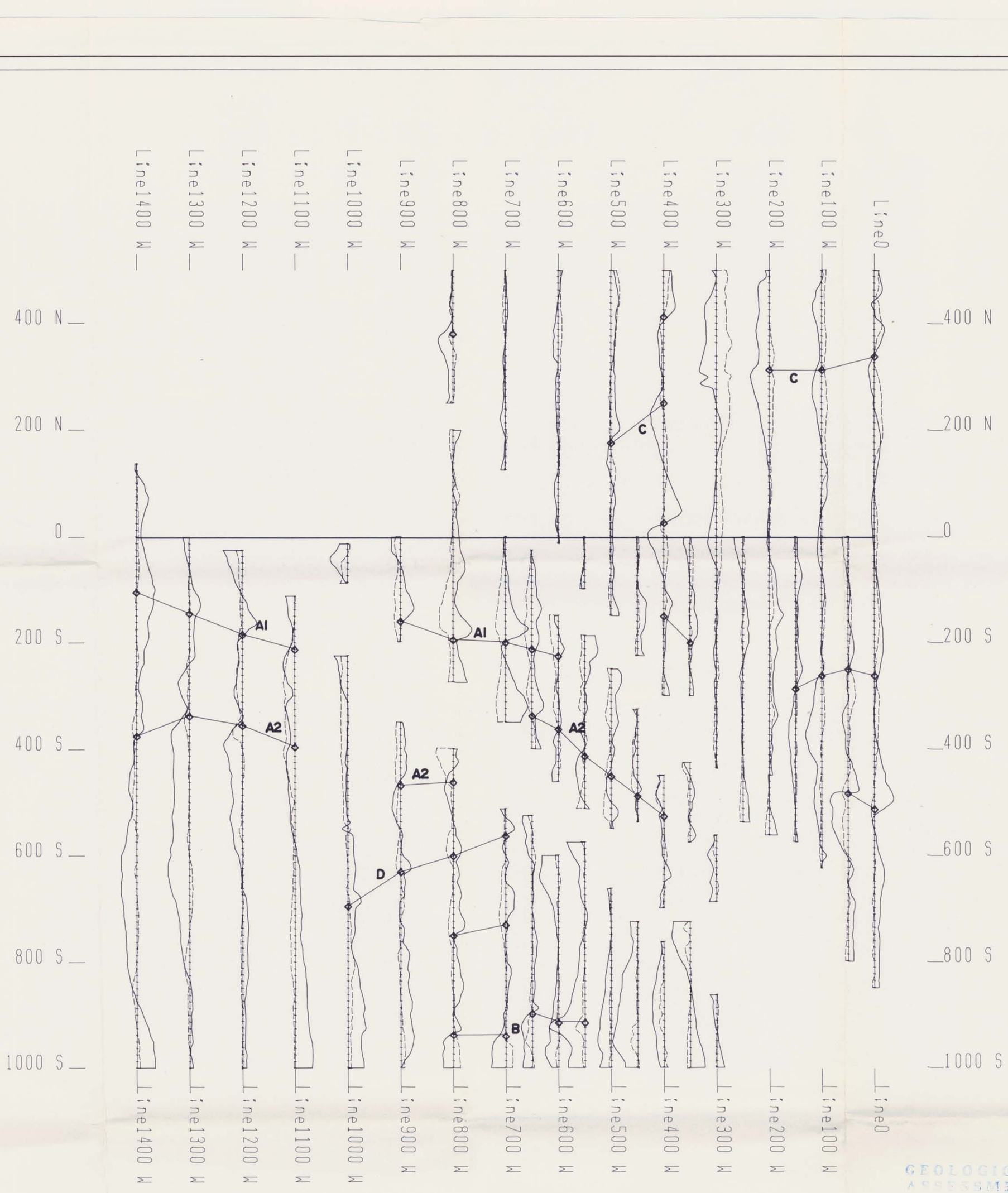
HILTON CLAIM GROUP
Vernon M.D. NTS 82L/2E

SOIL GEOCHEMISTRY
GOLD

ASHWORTH EXPLORATIONS LIMITED

DATE: 24 Feb 1989 | SCALE: 1 : 5000

Drawn by: TONY CLARK CONSULTING



SCALE 1 : 5 000

100 0 100 (metres) 200 300 400

LEGEND

Anomalous Inflection (In-Phase)

In-Phase

Quadrature

} 1 cm. = 50 %

VLF-EM Conductor

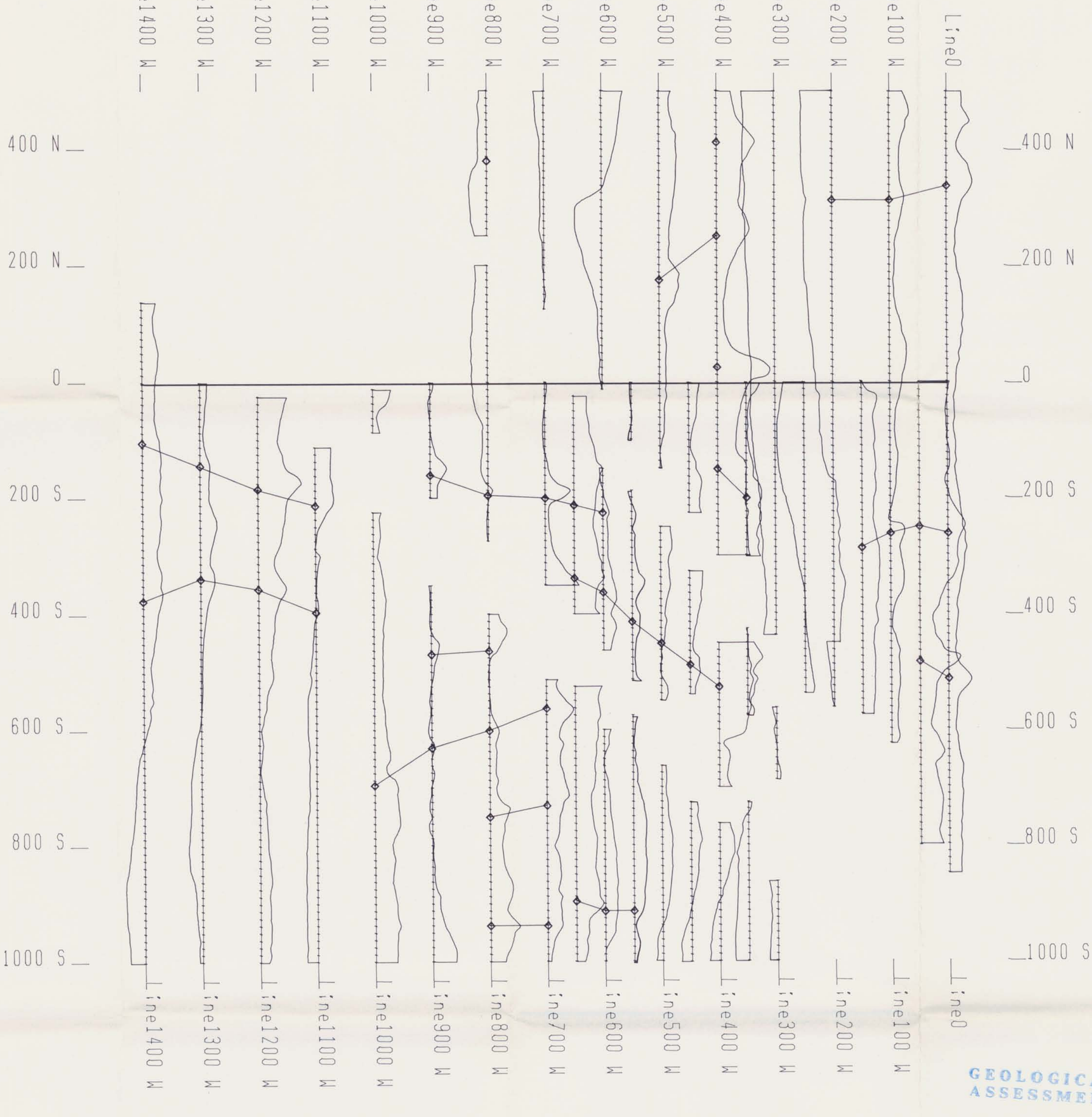
HANNA PACIFIC STEEL COMPANY LTD.

VLF-EM Profiles

NLK, Seattle, Wash.
Hilton Claim Group
Vernon Mining Division, B.C.
NTS 82 L/2E

Interpretex Resources Ltd.
Report by T.R. Matich
Surveyed by Ashworth Explorations Limited
Project # 259
February 1989

Map #11



LEGEND

Field Strength 1 cm. = 100 units

VLF-EM Conductor

SCALE 1 : 5 000

100 0 100 (metres) 200 300 400

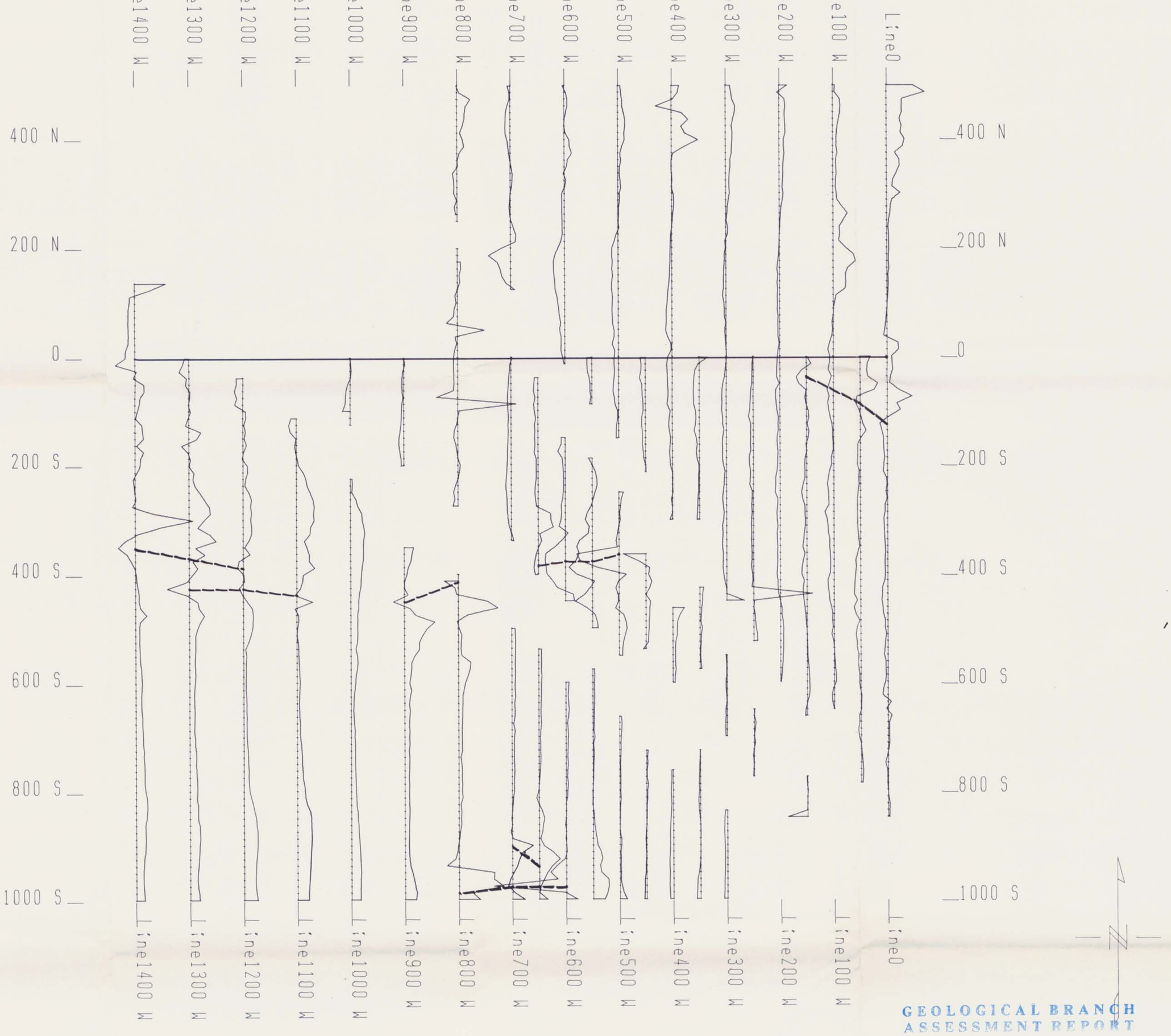
HANNA PACIFIC STEEL COMPANY LTD.

VLF-EM Field Strength Profiles

NLK, Seattle, Wash.
Hilton Claim Group
Vernon Mining Division, B.C.
NTS 82 L/2E

Interpretex Resources Ltd.
Report by T.R. Matich
Surveyed by Ashworth Explorations Limited
Project # 259
February 1989

Map # **12**



SCALE 1 : 5 000

100 0 100 (metres) 200 300 400

LEGEND

Total Magnetic Field 1 cm. = 200 Gammas

Interpreted Fault (Magnetic Lineament)

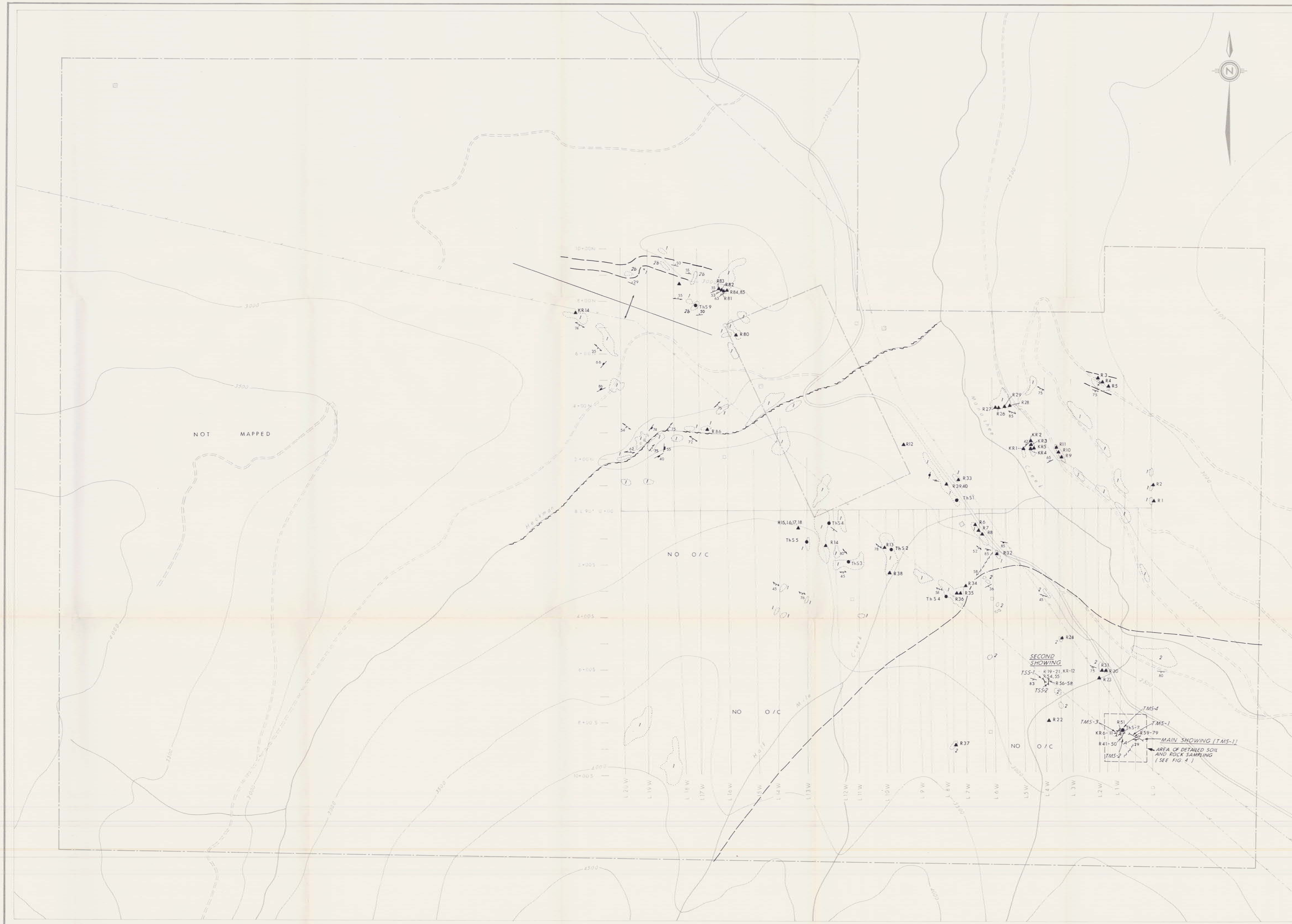
HANNA PACIFIC STEEL COMPANY LTD.

Total Field Magnetic Profiles

Hilton Claim Group
Vernon Mining Division, B.C.
NTS 82 L/2E

Interpretex Resources Ltd.
Report by T.R. Matich
Surveyed by Ashworth Explorations Limited
Project # 259
February 1989

Map # 13



ANALYTICAL RESULTS - 1988/89 PROGRAM

SAMPLE NO.	Au (ppb)	Ag (ppm)	As (ppm)	Zn (ppm)
CH88-R01	30	.2	nd	41
CH88-R02	10	.6	nd	45
CH88-R03	20	1.5	626	2029
CH88-R04	20	2.1	252	750
CH88-R05	45	2.2	78	676
CH88-R06	15	3.1	8	127
CH88-R07	30	.6	nd	56
CH88-R08	10	2.1	nd	40
CH88-R09	20	1.5	596	650
CH88-R10	10	1.1	334	122
CH88-R11	5	.6	263	50
CH88-R12	15	.1	23	26
CH88-R13	15	.2	28	74
CH88-R14	10	.1	nd	13
CH88-R15	240	.6	1335	66
CH88-R16	30	.3	1211	138
CH88-R17	20	.2	669	80
CH88-R18	70	.1	1313	51
CH89-R19	10	.8	<3	44
CH89-R20	10	1.2	9	60
CH89-R21	10	.9	<3	10
CH89-R22	5	.1	<3	10
CH89-R23	15	.1	<3	27
CH89-R24	5	.2	<3	34
CH89-R25	20	.7	9	125
CH89-R26	10	1.2	<3	19
CH89-R27	10	1.1	26	112
CH89-R28	5	.9	18	123
CH89-R29	10	1.0	14	98
CH89-R30	10	1.4	<3	46
CH89-R31	15	1.3	<3	49
CH89-R32	20	.9	<3	13
CH89-R33	10	.7	<3	82
CH89-R34	10	.7	<3	20
CH89-R35	60	1.0	<3	80
CH89-R36	55	1.9	72	135
CH89-R37	20	.4	21	117
CH89-R38	20	.2	33	66
CH89-R39	10	.9	4	68
CH89-R40	10	1.3	29	74
CH89-R41	10	.8	26	125
CH89-R42	10	.8	22	105
CH89-R43	20	.9	27	78
CH89-R44	10	1.0	8	75
CH89-R45	10	1.1	<3	62
CH89-R46	20	1.5	11	70
CH89-R47	20	1.3	<3	47
CH89-R48	20	1.4	<3	54
CH89-R49	10	1.4	<3	74
CH89-R50	10	1.8	19	57
CH89-R51	20	1.8	88	43
CH89-R52	20	1.0	77	53
CH89-R53	20	1.3	13	94
CH89-R54	10	.9	<3	72
CH89-R55	25	.8	13	112
CH89-R56	25	.7	11	93
CH89-R57	20	.3	<3	52
CH89-R58	10	1.1	84	98
CH89-R59	10	1.3	<3	129
CH89-R60	10	1.3	17	103
CH89-R61	20	1.4	72	113
CH89-R62	20	1.3	104	106
CH89-R63	10	1.1	20	74
CH89-R64	1100 1.033 oz/st	1.4	1095	219
CH89-R65	65	1.2	116	148
CH89-R66	10	.6	23	161
CH89-R67	2160 1.063 oz/st	.9	217	186
CH89-R68	190	6.0	190	>20000
CH89-R69	60	1.5	414	472
CH89-R70	3390 1.114 oz/st	4.2	154	487
CH89-R71	85	.4	33	213
CH89-R72	55	1.2	188	196
CH89-R73	150	1.3	126	216
CH89-R74	>10000 1.599 oz/st	>50.0	207	6198
CH89-R75	415	1.8	246	407
CH89-R76	>10000 1.771 oz/st	>50.0	973	3111
CH89-R77	410	4.5	285	174
CH89-R78	420	.7	479	291
CH89-R79	720	1.9	1124	193
CH89-R80	nd	1.3	<3	38
CH89-R81	nd	.3	<3	19
CH89-R82	nd	.1	<3	11
CH89-R83	5	.4	<3	61
CH89-R84	nd	.3	<3	26
CH89-R85	nd	.3	<3	8
CH89-R86	55	6.1	332	391
CH89-KR01	15	.8	10	114
CH89-KR02	10	.2	4	70
CH89-KR03	10	.7	<3	20
CH89-KR04	10	.1	<3	25
CH89-KR05	10	.1	<3	8
CH89-KR06	5	1.1	5	56
CH89-KR07	10	1.4	<3	67
CH89-KR08	10	1.4	<3	70
CH89-KR09	20	1.1	8	102
CH89-KR10	5	.7	10	99
CH89-KR11	20	1.0	9	92
CH89-KR12	15	1.0	43	80
CH89-KR13	10	.1	17	17
CH89-KR14	5	.3	61	92

LEGEND

TRIASSIC - JURASSIC

Nicola Group

2 — Undivided; black to grey shale, sandy shale, greywacke and argillite. 2b - Black, pyriferrous, well bedded argillite.

1 — Andesite; grey to green coloured flows with minor tuffs, chloritic phyllite and dacite.

A — Lamprophyre Dykes; light brown colour, porphyritic.

SYMBOLS

- ThS 5 — Thin section sample location and number
- R 5 — Rock sample location and number (preceeded by CH 89)
- Outcrop
- Trench
- Bedding (inclined, vertical)
- Joints (inclined, vertical)
- Quartz vein (inclined, vertical)
- Foliation (inclined, vertical)
- Antiform
- Fault (unknown dip, with dip)
- Geological contact (approximate, assumed)
- Claim boundary
- LCP
- House, barn
- Power line
- Highway
- Logging road
- Creek
- 2000 — Topographic contour (interval 500 feet)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,706

0 100 200 300 400 500 m

HANNA PACIFIC STEEL COMPANY LTD.

HILTON CLAIM GROUP

VERNON M.D., B.C.

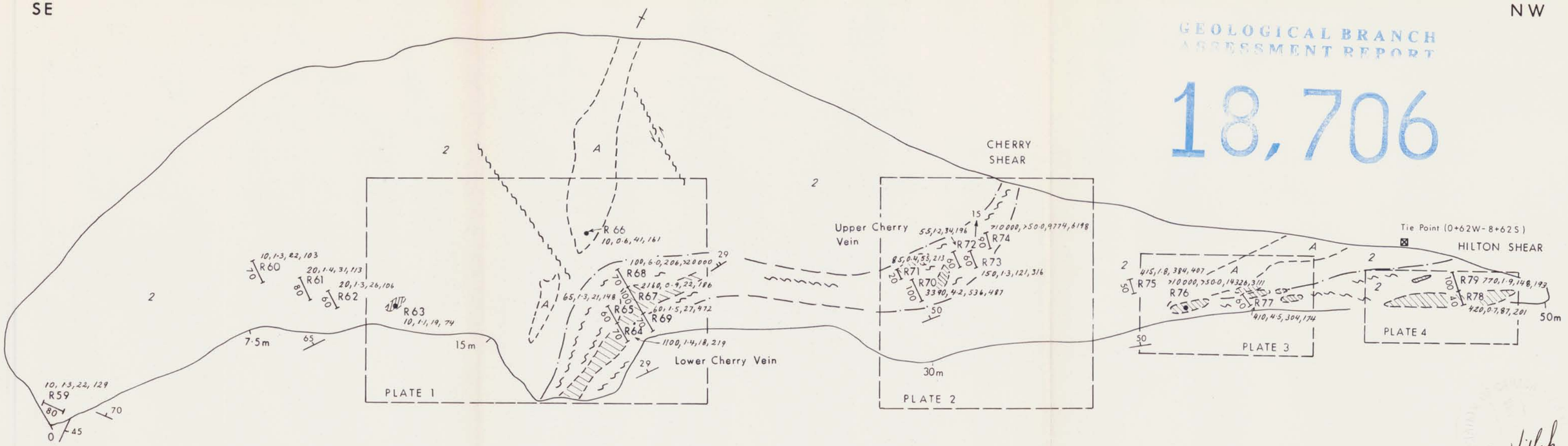
GEOLOGY AND ROCK SAMPLE LOCATIONS

Scale 1:5000	By F.Y.	Drawn J.S.
Date FEBRUARY 1989	Map 1	

Ashworth Explorations Limited

SE

NW



LEGEND

410, 4·5, 304, 174 / R 77 / 60	Rock sample number, Au/ppb, Ag/ppm, Pb/ppm, Zn/ppm Sample width in cm
55	Attitude of bedding
~~	Fault
▨	Quartz vein
≈≈≈	Shear zone
A	Lamprophyre dyke
2	Black to grey shale, greywacke and argillite

0 1 2 3 4 5m

HANNA PACIFIC STEEL COMPANY LTD.

HILTON CLAIM GROUP
VERNON M.D., B.C.

MAIN SHOWING (TMS-1)
(CROSS SECTION)

Scale 1:100	By: F. Y.
Date: FEBRUARY 1989	Map: 2

Ashworth Explorations Limited