

MAP NO.: ASSESSMENT REPORT X
105 G 6, 11 PROSPECTUS X
CONFIDENTIAL X
OPEN FILE

DOCUMENT NO: 092739
MINING DISTRICT: Watson Lake
TYPE OF WORK: Geological, Geochemical

REPORT FILED UNDER: Welcome North Mines Ltd.

DATE PERFORMED: July 16-18, Aug. 15-28, 1988

DATE FILED: July 4, 1989

LOCATION: LAT.: 61° 30' N

AREA: Ross River

LONG.: 131° 10' W

VALUE \$: 10,800.00

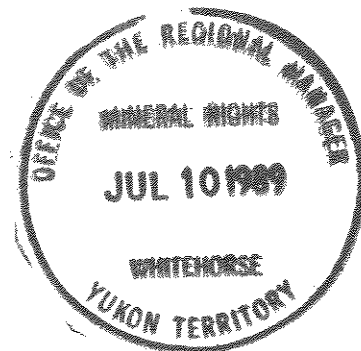
CLAIM NAME & NO.: QC 1-48 YB14263-310

WORK DONE BY: R.G. Potter

WORK DONE FOR: Welcome North Mines Ltd.

DATE TO GOOD STANDING:

REMARKS: #77 QC Reconnaissance geology, soil sampling, and prospecting was followed up by soil sampling, mapping, trenching, and rock sampling. Targets are low grade pervasive gold within listwaenite at the base of allochthonous sheets. Soil sampling defined strong As haloes over listwaenite zones, and gold anomalies (several thousand ppb's) within.



GEOLOGICAL AND GEOCHEMICAL REPORT
ON THE
QC CLAIMS

N.T.S. 1056/6, 11

LATITUDE: 61°30'N
LONGITUDE: 131°10'W

WATSON LAKE MINING DISTRICT

FOR

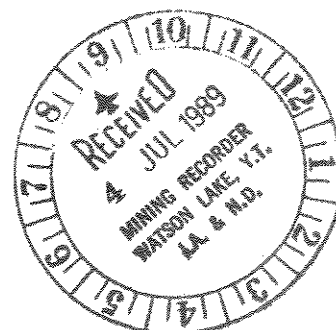
WELCOME NORTH MINES LTD.
15th FL., 675 W. HASTINGS STREET
VANCOUVER, B.C.
CANADA
V6B 1N2

BY

R.G. Potter, P.Eng.

DECEMBER, 1988

DATE DUE
Dec 4
2002



(WORK DONE DURING JULY 16 TO 18,
AUGUST 15 TO 28, 1988)

092739

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 10,800.00.

for *D. A. Emund*
Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

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I. SUMMARY AND RECOMMENDATIONS

The QC claims are located to the north of the Tintina Trench, 80 kilometers southeast of Ross River in central Yukon. They lie within the Selwyn Fold Belt in an area of Anvil Allochthon thrust remnants.

The area is prospective for low grade pervasive gold mineralization within quartz-carbonate alteration zones (listwaenite) which occur at the base of the allochthonous sheets.

The 1988 exploration program on the QC consisted of an initial phase of reconnaissance geology, soil sampling and prospecting. Follow-up work included soil sampling, mapping, trenching, and rock sampling.

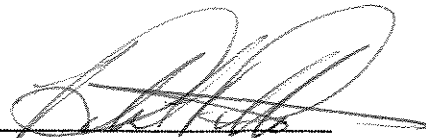
Soil sampling shows strong well defined halos of arsenic which correlate directly with listwaenite zones. Gold anomalies up to several thousand ppb are found within the high arsenic features.

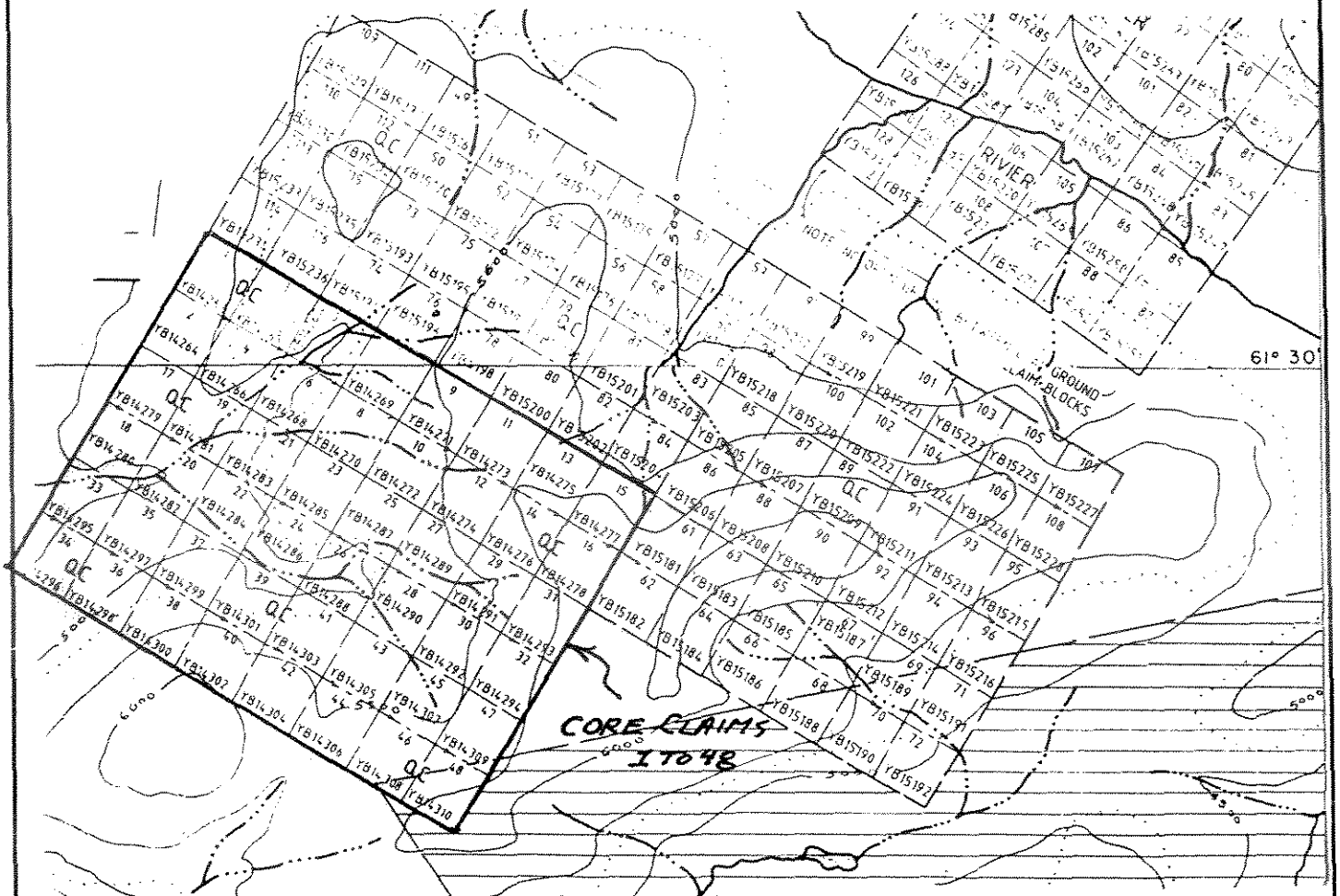
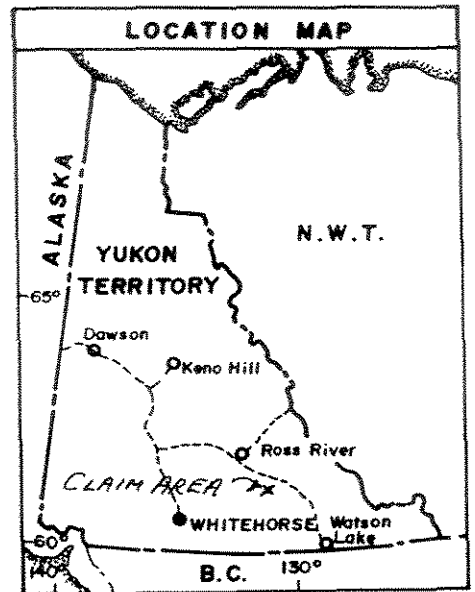
Detailed work points to a source of gold and arsenic within silicified listwaenite. The gold bearing listwaenites are characterized by weak but pervasive disseminations of pyrite and arsenopyrite. Surface definition of these zones of interest is hampered by poor exposure quality.


The next stage of exploration on the QC claims should include the following:

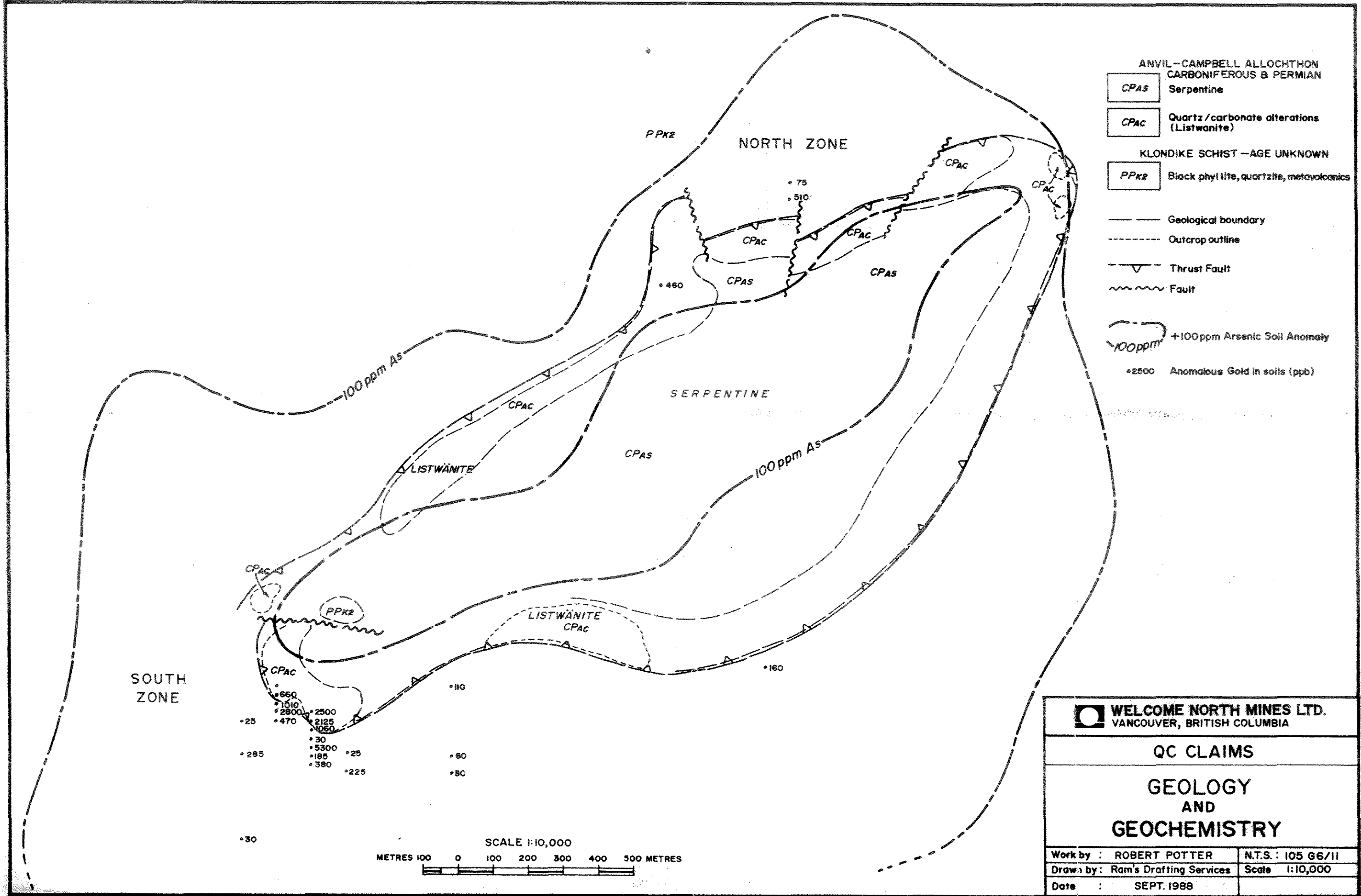
- Detailed mapping and sampling of the North zone;
- Prospecting and follow-up soil sampling of the arsenic anomalies at the south end of the grid;
- Diamond drilling at the South and North zones (minimum 1000 meters).

Respectfully submitted,


Robert G. Potter, P.Eng.



 WELCOME NORTH MINES LTD VANCOUVER, BRITISH COLUMBIA	
QC CLAIMS	
CLAIMS & LOCATION	
FIG. 2	
Work by : R. Potter	N.T.S. : 105 G/6 & 11
Drawn by : R. Potter	Scale :
Date : Nov. , 1988	Rev. :



SOUTH ZONE

NORTH ZONE

SERPENTINE

LISTWANITE

LISTWANITE
CPAC

100 ppm As

100 ppm As

• 25
• 285
• 30
• 470
• 660
• 1010
• 1060
• 185
• 2125
• 225
• 2500
• 380
• 5300

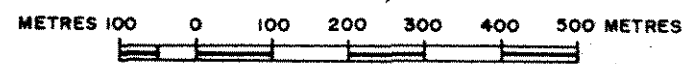
• 110
• 60
• 30

• 160

• 460

• 75
• 510

SCALE 1:10,000



II. INTRODUCTION

During the periods July 18 to 20, and August 15 to 28, 1988, Welcome North Mines Ltd. conducted a geochemical, geological, prospecting and trenching program on the QC claims. The survey was designed to evaluate the precious metal potential of the property. Interest in the general area of the Tintina Trench was sparked by Noranda's Grew Creek epithermal gold discovery. Of specific interest on the QC claims is the occurrence of quartz carbonate alteration zones along the base of the Anvil Allochthon.

III. PROPERTY, LOCATION AND ACCESS

The QC property consists of 116 full sized mineral claims. All claims are owned by Welcome North Mines Ltd. and are currently registered in the Watson Lake Mining District as follows:

<u>Claim Name</u>	<u>Grant No.</u>	<u>Record Date</u>
QC 1-48	YB14263-YB14310	July 04, 1988
QC 49-116	YB15169-YB15236	August 16, 1988

The property is located 80 kilometers southeast of Ross River and 12 kilometers northeast of the Tintina Trench. Access is by helicopter from Ross River or from the Robert Campbell Highway which at its nearest point is 24 kilometers north of the claims. Ross River is reached by all-weather road from Whitehorse via Carmacks and is also served by daily scheduled flights from Whitehorse.

The claims cover an area of alpine tundra between elevations 5000 and 5500 feet ASL. Drainage is to the southwest by a tributary of the Hoole River and to the northeast by a tributary of Campbell Creek, both of which drain to the Pelly River.

IV. HISTORY

The area on the south side of the QC claims was staked as the Au claim (Y29406) in August, 1969. The claims are reported to cover an area of Permian and older carbonates, ultramafic lenses and Klondike schist. No recorded details of this work are known to the writer.

The northern edge of the QC block was staked as the Gil claim (Y6707) in May, 1966, by Atlas Exploration Ltd. to cover airborne magnetic and EM anomalies. A geochemical survey and mapping was carried out in that year. In October, 1974, an area to the north was staked as the Bev 124 to 129 (Y83615) on the basis of an airborne survey. This was restaked as the Zn claim (YA12971) in May, 1977, by L. Loots. The area is reported to be underlain by a contact zone between Klondike schist of unknown age and a Cretaceous quartz monzonite stock.

No historical evidence has been found by the writer pertaining to any investigation of the gold content of the ultramafic rocks of the area.

V. GEOLOGIC SETTING

The subject property is located within the Selwyn Fold Belt north of the Tintina Trench. The Selwyn Fold Belt comprises a diverse assemblage of clastic, carbonate, volcanic, ultramafic, and granitic rocks of Hadrynian to Tertiary-age. Locally prominent are units of the Klondike Schist assemblage (PPk₂) which include black siliceous phyllite, green chloritic phyllite, and dark greywacke. Intrusive rocks include hornblende diorite (Mldim) and biotite quartz monzonite (Kgm).

Remnants of pre Mid Cretaceous thrust sheets of the Anvil Allochthon are characteristic of elevated terrain between Hoole River and Campbell Creeks. From the top down, the typical lithologies of the thrust remnants are:

- CP_{AV} Resistant dark grey weathering, massive dark green basalt.
- CP_{AUB} Resistant brown to dull red weathering dunite and peridotite.
- CP_{AB} Yellow green weathering serpentized peridotite.
- CP_{AC} Resistant, orange weathering quartz-carbonate rock (listwanite).

Listwanites are important exploration targets in this area and as such are worthy of further comment.

Listwanite is the name given by Soviet authors to carbonate altered ultramafic rock. They occur along the contacts of Alpine type ultramafic bodies and are frequently associated with gold mineralization. These grey-green carbonate rocks consist of magnesium, iron, and calcium carbonates, and quartz with accessory serpentine, talc, fuchsite (chrome mica) and sulphides. Boyle describes five stages in the metasomatic development of listwanite:

- "(1) initial formation of serpentine-actinolite-chlorite-carbonate rock (with few carbonates) grading to serpentine-chlorite-carbonate rocks;
- (2) intermediate stage of formation to serpentine-brucite-carbonate rocks containing hematite and quartz, and grading to talc-chlorite-carbonate and talc-carbonate rocks;
- (3) listwanite stage of the mariposite listwanites and the quartz carbonate listwanites and their varieties;
- (4) final stage of veinlet formation of quartz, carbonate and other components of listwanites and;

- (5) a post-listwanite stage during which sulphides and other components, genetically related to younger hydrothermal activity, were precipitated in the listwanites."

Buisson and Leblanc in their paper on gold bearing listwanites of Italy, Morocco, and Saudi Arabia state that:

"The gold contents are generally 5 to 20 times greater than those of the associated ultramafic rock (5 ppb Au) although gold-rich zones containing 1-10 ppm Au also occur. The highest gold values are related to sulphide or cobalt arsenide mineralization or late quartz veining containing pyrite or arsenopyrite. The carbonatization of the ultramafic rocks to form listwanite, like the formation of serpentinites, appears to be the result of hydrothermal alteration at moderate temperatures (150-300°) by Na, brines derived both from mantle material and interaction with sea water. Gold was leached from the opaque minerals of the serpentinitized ultramafic rocks. As the hydrothermal system evolved, gold transported by CO₂-S-Cl-Na-K-B rich fluids along tectonic contacts was precipitated with quartz, sulphides and arsenides where the fluid entered the reducing and alkaline environment of the carbonatized rocks."



FROM GSC OPEN FILE 486



WELCOME NORTH MINES LTD.
VANCOUVER, BRITISH COLUMBIA

QC CLAIMS

REGIONAL GEOLOGY

Work by : Robert Potter

N.T.S. : 105 G

Drawn by: Vabri Hutchings

Scale 1:250,000

Date : Sept. 1988

Figure :

VI. 1988 PROGRAM

The 1988 exploration program on the QC was initiated with reconnaissance soil sampling, mapping and prospecting. Encouraging results led to follow-up soil sampling and detailed mapping and trenching (August 15 to 28). Personnel and field equipment for the program were mobilized from Ross River with a Trans North Ltd. Bell 206B helicopter. Supplies and expediting services were provided by Ross River Service Centre Ltd.

Control for the preliminary surveys was established by compass and "hip-chain" on lines laid out at 030°. Initial line spacing was a nominal 300 meters with flagged sample stations set at 50 meter intervals. Phase II infilling was at a line spacing of 100 meters and station separation of 25 meters. The control for detailed follow-up at the South zone was established by picketing a 20 x 20 meter grid. Relative elevations of grid points were measured to provide data for the topographic base map of Figures 5 and 6. A total of 40.7 kilometers of lines were laid out on the core claims of the property (claims 1 to 48).

VII. PROPERTY GEOLOGY (Figs. 1, 4, & 5)

The QC claims are underlain by a basement sequence of Klondike schist rocks (PP_{1,2}) which have been overthrust by ultramafic rocks of the Anvil Allochthon. Lithologies of the Klondike sequence include black carbonaceous argillite, chlorite schist, and greywacke. These have a widespread but sparse exposure over the northern area of the property with only rare outcrops peripheral to the Anvil rocks of the core claims.

Rocks of the Anvil Allochthon are predominantly serpentinites with remnants of the ultrabasic parent and an almost continuous basal quartz-carbonate alteration zone. This allochthonous slice covers a roughly elliptical area of 1 x 3 kilometers with long axis trending 110°. Lime green serpentinites are exposed as rare outcrops and a widespread sheet of felsenmeer over the core area of the thrust remnant.

Prominent outcrops of the listwanite alteration zone dominate the areas of 23 to 27 north on line 36 east (North zone) and 12 to 15 north between lines 24 and 27 east (South Zone). A string of subdued outcrops defines what appears to be a continuous zone of listwanite along the base of the thrust slice. These rocks show a wide spectrum of colour in accordance with varying composition including: green (fuchsite/mariposite, chlorite, serpentine), white and buff (quartz and carbonates) brown (iron carbonate). They present a variety of textures and small scale structures attesting to a complex history of deformation and brecciation.

The erosional resistance of the outcrop areas at the north and south zones is directly related to the intensity of silicification. This includes early quartz veining, pervasive silicification and late sucrosic textured, breccia filling quartz veining.

At the South zone an early set of quartz veins have a predominant easterly strike with steep northerly dips. Pervasive silicification is widespread here. Finely disseminated pyrite and arsenopyrite occur in patchy, ill defined zones in the areas of trenching along the southern slope and along the fault zone to the north. Elsewhere a similar iron content is manifested as finely disseminated magnetite.

VIII. GEOCHEMISTRY (Figures 4, 5 & 6)

Geochemical samples collected on the QC claims included 1068 soils (B horizon and talus fines) and 82 rocks. Soils were packed in high wet-strength kraft envelopes and field dried. All samples were shipped to Min-En Laboratories of North Vancouver, B.C., for preparation and analysis according to procedures outlined in Appendix I.

Figure 4 shows the Phase I and II soil survey results superimposed on geology of the core claims. Arsenic and gold values are plotted. High arsenic values (+100 ppm) are concentrated within a well defined annular area which lies over and down-slope from listwanite zones. Values range up to 23,000 ppm arsenic. Pronounced highs are related to the silicified areas at the North and South zones. Along the southern edge of the grid three other arsenic anomalies have been mapped in an area totally covered by overburden. Covered listwanite zones probably occur at the upper edges of these features.

Anomalous gold values in soils range up to 5300 ppb (station 11 + 25N, 26E). These are invariably found within the arsenic halo with a concentration at the South zone and, to a lesser extent, at the North zone.

Soil sampling on the 20 x 20 meter grid at the South zone (Figure 6) shows coincident arsenic, gold and silver anomalies. These cover an irregular area about 50 meters wide by 200 meters long which is underlain by listwanite outcrop and talus. Gold values here range from an arbitrary 100 ppb threshold to a high of 2500 ppb.

The results of rock sampling of outcrops and trenches within the anomalous area of the South zone are shown on Figure 5. A weak zone of pervasive gold mineralization is suggested by sample results from trenches 1, 2 and 3, and adjacent outcrops. A clear definition of this feature is hampered by the very broken, rubbly nature of exposures.

There is, however, a definite relationship between gold content and disseminated sulfide mineralization.

As has been found elsewhere along the belt of ultramafic remnants the late stage sucrosic quartz veins where sampled at the QC carry no sulfides or gold.

APPENDIX I

ANALYTICAL PROCEDURES

MIN-EN Laboratories Ltd.

Specialists In Mineral Environments

Corner 15th Street and Bewicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

GOLD GEOCHEMICAL ANALYSIS BY MIN-EN
LABORATORIES LTD.

Geochemical samples for Gold processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed and pulverized by ceramic plated pulverizer.

A suitable sample weight 5.0 or 10.0 grams are pretreated with HNO_3 and HClO_4 mixture.

After pretreatments the samples are digested with Acqua Regia solution, and after digestion the samples are taken up with 25% HCl to suitable volume.

Further oxidation and treatment of at least 75% of the original sample solutions are made suitable for extraction of gold with Methyl Iso-Butyl Ketone.

With a set of suitable standard solution gold is analysed by Atomic Absorption instruments. The obtained detection limit is 0.005 ppm (5ppb).

PHONE 980-5814

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicks
705 WEST 15th STREET
NORTH VANCOUVER, B.C.
CANADA

ANALYTICAL PROCEDURE REPORTS FOR ASSESSMENT WORK.

PROCEDURES FOR, Cu, Mo, Cd, Pb, Mn, Ni, Ag, Zn.

Samples are processed by Min-En Laboratories Ltd. at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by jaw crusher and pulverized by ceramic plated pulverizer.

1.0 gram of the samples are digested for 6 hours with HNO_3 and HClO_4 mixture.

After cooling samples are diluted to standard volume. The solutions are analysed by Atomic Absorption Spectrophotometers.

Copper, lead, zinc, silver, cadmium, cobalt, nickel and manganese are analysed using the CH_2H_2 -Air flame combination but the molybdenum determination is carried out by C_2H_2 - N_2O gas mixture directly or indirectly (depending on the sensitivity and detection limit required) on these sample solutions.

Background corrections for Pb, Ag, Cd upon request are completed.

MIN-EN Laboratories Ltd.

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Corner 15th Street and Bewicke
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NORTH VANCOUVER, B.C.
CANADA V7M 1T2

Analytical Procedure Report for Assessment Work

31 Element ICP

Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Co, Cu, Fe, K, Li,
Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sr, Th, U, V, Zn, Ga, Sn, W,
Cr

Samples are processed by Min-En Laboratories Ltd., at 705 West 15th Street, North Vancouver, employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by a jaw crusher and pulverized by ceramic plated pulverizer or ring mill pulverizer.

1.0 gram of the sample is digested for 4 hours with an aqua regia HClO₄ mixture.

After cooling samples are diluted to standard volume. The solutions are analysed by computer operated Jarrall Ash 9000 ICAF or Jobin Yvon 70 Type II Inductively Coupled Plasma Spectrometers. Reports are formatted and printed using a dot-matrix printer.

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicks
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

ANALYTICAL PROCEDURE REPORT FOR ASSESSMENT WORK

PROCEDURE FOR ARSENIC:

Samples are processed by Min-En Laboratories Ltd., at 705 West 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by a jaw crusher and pulverized by ceramic plated pulverizer.

1.0 gram of the samples are digested for 6 hours with HNO₃ and HClO₄ mixture.

After cooling samples are diluted to standard volume. A suitable aliquote is taken from the above 1 gram sample solution and the test is carried out by Gutzeit method using Ag CS₂N (C₂H₅)₂ as a reagent. The detection limit obtained is 1. ppm.

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Corner 15th Street and Bewicke
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NORTH VANCOUVER, B.C.
CANADA V7M 1T2

ASSESSMENT REPORT FOR:

HEAVY MINERAL SAMPLING AND CONCENTRATIONS.

A large sample is collected from stream sediments or soils big enough to yield a minimum of 0.5 kg of the desired minus fraction. After sieving through any of the sieve mesh sizes they are adapted for the survey. After sieving the samples, the minus fraction is grinded to -80 mesh.

Then 0.4 kg of sample is weighed into a suitable centrifuge containers. The prepared concentrations of liquids are added to obtain a 3.1 specific gravity flotation.

The heavy fractions are then washed cleaned and dried. After drying the samples they are separated. The sink float Heavy Minerals are separated into Magnetic and Non Magnetic fractions and both fractions are weighed. The percent of the Magnetic and non Magnetic fractions are calculated and reported with the analytical data.

The analysis are than carried out in the ususal analytical manner by I.C.P. or A.A. method.

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

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705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

FIRE GOLD GEOCHEMICAL ANALYSIS BY MIN-EN LABORATORIES LTD.

Geochemical samples for Fire Gold processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed and pulverized by ceramic plated pulverizer.

A suitable sample weight 15.00 or 30.00 grams are fire assay preconcentrated.

After pretreatments the samples are digested with Aqua Regia solution, and after digestion the samples are taken up with 25% HCl to suitable volume.

Further oxidation and treatment of at least 75% of the original sample solutions are made suitable for extraction of gold with Methyl Iso-Butyl Ketone.

With a set of suitable standard solution gold is analysed by Atomic Absorption instruments. The obtained detection limit is 1 ppb.

APPENDIX II

ANALYTICAL CERTIFICATES



**MIN-EN
LABORATORIES LTD.**

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • CR. COLLECTORS

VANCOUVER OFFICE:
705 WEST 15TH STREET
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TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of Geochem

Company: WELCOME NORTH MINES
Project: RR 6 BC
Attention: J. BROCK

File: 8-1352/P4
Date: SEPT 5/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AU-WET PPB	AG PPM	AS PPM
1180N 2580E	70	1.8	2475
1180N 2600E	230	2.3	10000
1260N 2620E	5	0.9	600
1260N 2640E	10	1.1	875
1260N 2660E	10	0.8	1275
1260N 2680E	5	0.3	375
1240N 2620E	5	0.6	450
1240N 2640E	40	0.5	675
1240N 2660E	40	1.3	2475
1240N 2680E	20	0.7	1300
1280N 2620E	5	0.5	875
1280N 2640E	5	0.4	700
1280N 2660E	5	0.3	275
1280N 2680E	20	1.0	925
1300N 2620E	5	0.3	85
1300N 2640E	5	0.4	525
1300N 2660E	5	0.2	62
1300N 2680E	10	0.3	475
1180N 2620E	610	3.1	11250
1180N 2640E	40	0.9	1775
1180N 2660E	30	0.8	925
1180N 2680E	5	0.5	1075
1200N 2620E	300	1.56	3025
1200N 2640E	70	0.8	2275
1200N 2660E	20	1.7	1650
1200N 2680E	5	0.6	1100
1220N 2620E	20	0.7	925
1220N 2640E	180	1.1	2925
1220N 2660E	20	1.2	1725
1220N 2680E	20	0.7	1675

Certified by

MIN-EN LABORATORIES LTD.



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SPECIALISTS IN MINERAL ENVIRONMENTS
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TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of Geochem

Company: WELCOME NORTH MINES
Project: RR 6 DC
Attention: J. BROCK

File: B-1352/P3
Date: SEPT 5/88
Type: SOIL GEOCHE

We hereby certify the following results for samples submitted.

Sample Number	AU-WET PPB	AG PPM	AS PPM
1340N 2560E	5	0.4	375
1340N 2580E	10	0.6	350
1340N 2600E	10	0.7	475
1240N 2400E	5	1.6	1225
1240N 2420E	80	1.2	1400
1240N 2440E	180	1.5	3125
1240N 2460E	170	2.5	2175
1240N 2480E	100	1.6	2325
1240N 2500E	2600	2.3	9375
1240N 2520E	2000	2.5	6875
1240N 2540E	190	2.6	7500
1240N 2560E	100	11.4	2175
1240N 2580E	20	0.9	650
1240N 2600E	40	11.0	725
1200N 2500E	65	1.5	2375
1200N 2520E	50	1.4	2550
1200N 2540E	2500	5.2	13750
1200N 2560E	60	1.7	2125
1200N 2580E	170	3.1	2625
1200N 2600E	370	1.6	6875
1220N 2500E	1600	1.8	7500
1220N 2520E	600	2.3	6250
1220N 2540E	1750	3.2	7500
1220N 2560E	150	2.1	2475
1220N 2580E	20	0.6	800
1220N 2600E	610	4.8	7500
1180N 2500E	20	0.7	1325
1180N 2520E	100	1.8	2750
1180N 2540E	2450	8.6	16250
1180N 2560E	820	2.3	6875

Certified by

MIN-EN LABORATORIES LTD.



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• ENVIRONMENTS
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Certificate of Geochem

Company: WELCOME NORTH MINES
Project: RR 6 GC
Attention: J BROCK

File: 8-1352/P2
Date: SEPT 6/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AU PPB	AG PPM	AS PPM
1260N 2580E	5	.8	250
1260N 2600E	25	.7	425
1320N 2400E	80	.6	124
1320N 2420E	300	.6	107
1320N 2440E	5	.4	825
1320N 2460E	40	.2	750
1320N 2480E	5	.2	700
1320N 2500E	5	.5	57
1320N 2520E	5	.2	375
1320N 2540E	30	.4	575
1320N 2560E	5	.2	111
1320N 2580E	135	.2	80
1320N 2600E	5	.2	74
1280N 2420E	25	.8	800
1280N 2440E	10	.6	1300
1280N 2460E	430	1.2	74
1280N 2480E	450	1.1	72
1280N 2500E	645	.9	70
1280N 2520E	5	.4	128
1280N 2540E	10	.6	111
1280N 2560E	5	.6	600
1280N 2580E	5	.4	135
1280N 2600E	5	.4	106
1340N 2420E	215	1.0	67
1340N 2440E	135	.8	101
1340N 2460E	10	.4	81
1340N 2480E	5	.4	350
1340N 2500E	5	.2	700
1340N 2520E	5	.4	500
1340N 2540E	5	.2	148

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Certificate of GEOCHEM

Company: WELCOME NORTH MINES
 Project: RR 6 QC
 Attention: J BROCK

File: 8-1352/P1
 Date: SEPT 6/88
 Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AU PPB	AG PPM	AS PPM
25E 1400N	5	.4	138
25E 1440N	5	.4	450
25E 1360N	5	.6	800
25E 1380N	5	.4	140
25E 1420N	5	.2	250

1420N 2460E	380	2.6	67
1420N 2480E	65	.8	104
1420N 2500E	NO SAMPLE		
1420N 2520E	5	.2	178
1420N 2540E	10	.2	126

1300N 2400E	50	.6	1050
1300N 2420E	75	.4	63
1300N 2440E	240	.7	74
1300N 2460E	255	.6	122
1300N 2480E	15	.4	725

1300N 2500E	5	.8	144
1300N 2520E	5	.6	500
1300N 2540E	5	.4	300
1300N 2560E	5	.2	400
1300N 2580E	5	.2	275

1300N 2600E	10	.3	975
1260N 2400E	25	1.0	1000
1260N 2420E	5	.6	1250
1260N 2440E	30	.8	138
1260N 2460E	100	.8	1750

1260N 2480E	85	.9	142
1260N 2500E	4800	1.8	65
1260N 2520E	90	1.2	89
1260N 2540E	5	.8	110
1260N 2560E	10	1.0	91

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Certificate of ASSAY

Company: WELCOME NORTH MINES LTD.
Project: RR6-NQC
Attention: J. BROCK/R. POTTER

File: B-1268/P1
Date: AUG. 23/88
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AG G/TONNE	AG OZ/TON	AU G/TONNE	AU OZ/TON	AS %
3513	.9	0.03	.01	0.001	.01
3514	.8	0.02	.03	0.001	.01
3515	.8	0.02	.02	0.001	.04
3516	.3	0.01	.04	0.001	.01
3518	1.1	0.03	.01	0.001	.01
3521	1.4	0.04	.02	0.001	.01
3522	1.0	0.03	.03	0.001	.01
3523	.8	0.02	.02	0.001	.01
3524	.9	0.03	.01	0.001	.01
3526	1.0	0.03	.03	0.001	.01
327	1.0	0.03	.02	0.001	.01
328	1.4	0.04	.01	0.001	.01

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Certificate of Geochem

Company: WELCOME NORTH MINES
Project: RR & NQC
Attention: J. BROCK

File: 8-1268/P3
Date: AUG. 25/88
Type: SOIL GEOCHE

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
NQ44N 6050E	1.0	17	5
NQ44N 6100E	0.6	15	5
NQ44N 6150E	0.6	11	5
NQ44N 6200E	0.8	10	5
NQ44N 6250E	0.9	16	10


NQ44N 6300E	0.8	13	5
NQ44N 6350E	0.8	13	5
NQ46N 6350E	0.8	35	5
NQ46N 6400E	0.9	36	5
NQ46N 6450E	0.9	60	5

746N 6500E	1.0	38	5
NQ48N 6500E	0.6	18	5
NQ48N 6550E	0.9	74	5
NQ48N 6600E	0.6	109	5
NQ48N 6650E	0.5	21	5

NQ48N 6700E	0.5	20	5
NQ48N 6750E	0.8	15	5
NQ48N 6800E	1.1	12	5
NQ48N 6850E	0.8	13	5
3517 (PAN CON.)	0.9	15	10

3519 (PAN CON.)	0.6	130	5
3520 (PAN CON.)	0.8	142	5
3525 (PAN CON.)	3.0	275	5

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Certificate of Geochem

Company: WELCOME NORTH MINES
Project: RR & NQC
Attention: J. BROCK

File: B-1268/P2
Date: AUG 24/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU PFB
NQ40N 4650E	1.1	10	5
NQ40N 4700E	1.1	8	5
NQ40N 4750E	1.0	6	5
NQ40N 4800E	1.2	8	5
NQ40N 4850E	1.0	7	10
NQ40N 4900E	.9	9	5
NQ40N 4950E	1.0	14	5
NQ40N 5000E	1.0	12	5
NQ42N 5000E	1.1	8	5
NQ42N 50F0E	1.0	7	5
NQ42N 5100E	.8	7	5
NQ42N 5150E	.8	11	5
NQ42N 5200E	.9	8	5
NQ42N 5250E	.8	7	5
NQ42N 5300E	.9	10	10
NQ42N 5350E	1.0	12	5
NQ42N 5400E	.9	15	5
NQ42N 5450E	1.0	12	5
NQ42N 5500E	.9	15	5
NQ42N 5550E	.8	17	5
NQ42N 5600E	.8	24	5
NQ42N 5650E	1.2	12	10
NQ42N 5700E	.7	11	5
NQ42N 5750E	.8	21	5
NQ42N 5800E	.8	43	5
NQ42N 5850E	.5	16	5
NQ42N 5900E	.6	13	5
NQ42N 5950E	.5	18	5
NQ44N 5950E	.7	12	10
NQ44N 6000E	.5	22	5

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Certificate of GEOCHEM

Company: WELCOME NORTH MINES
Project: RR 6 NDC *TINTINA*
Attention: J. BROCK

File: 8-1268/P1
Date: AUG 24/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU PPB
NG40E 4500N	.9	2	5
NG40E 4550N	.8	16	5
NG40E 4600N	.6	11	5
NG40E 4650N	.7	8	5
NG40E 4700N	.6	8	5
NG40E 4750N	.4	7	5
NG40E 4800N	.6	10	5
NG40E 4850N	.5	5	5
NG40E 4900N	.4	1	5
NG40E 4950N	.4	4	5
NG40E 5000N	.6	5	5
NG40E 5050N	.7	21	5
NG40E 5100N	.8	16	5
NG40E 5150N	.5	12	5
NG40E 5200N	.4	2	5
NG40E 5250N	.5	7	5
NG40E 5300N	.6	6	5
NG40E 5350N	.6	8	5
NG40E 5400N	.8	13	5
NG40E 5450N	.8	11	5
NG40E 5500N	.4	7	5
NG46E 3600N	.7	17	5
NG46E 3650N	.4	8	5
NG46E 3700N	.6	23	5
NG46E 3750N	.7	8	5
NG46E 3800N	.8	10	5
NG46E 3850N	.7	6	10
NG46E 3900N	.8	7	5
NG46E 3950N	.9	6	5
NG46E 4000N	.8	6	5

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Certificate of GEOCHEM

Company: WELCOME NORTH MINES
Project: RR 6-QC
Attention: J. BROCK

File: 8-1079/P1
Date: AUG 4/88
Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AS PPM	AU-FIRE PPB
3446	8	10
3455	84	16
3456	39	7
3457	62	8
3458	625	12

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Certificate of Geochem

Company: WELCOME NORTH MINES
Project: RR & QC
Attention: J. BROCK/R. POTTER

File: 8-1079/P3
Date: AUG 10/88
Type: SOIL GEOCHE

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PFB
Q40E 2900	.8	450	5

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Certificate of Geochem

Company: WELCOME NORTH MINES
Project: RR 6 QC
Attention: J. BROCK/R. POTTER

File: 8-1079/P2
Date: AUG 10/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
Q35E 2525	.9	650	5
Q35E 2550	1.1	1050	5
Q35E 2575	.6	725	10
Q35E 2600	.8	400	5
Q35E 2625	.9	250	5
Q35E 2650	.6	1000	25
Q40E 2300	.6	37	5
Q40E 2325	.4	26	5
Q40E 2350	.8	27	5
Q40E 2375	.7	31	5
Q40E 2400	.5	33	5
Q40E 2425	.4	46	10
Q40E 2450	.3	45	5
Q40E 2475	.8	275	5
Q40E 2500	1.0	350	5
Q40E 2525	2.8	500	5
Q40E 2550	4.7	550	175
Q40E 2575	2.4	575	20
Q40E 2600	1.3	225	5
Q40E 2625	3.4	525	5
Q40E 2650	1.2	575	5
Q40E 2675	.9	225	5
Q40E 2700	.6	225	5
Q40E 2725	1.4	625	120
Q40E 2750	1.6	1375	45
Q40E 2775	.5	900	70
Q40E 2800	2.0	650	35
Q40E 2825	1.8	375	10
Q40E 2850	5.0	675	15
Q40E 2875	1.6	1000	85

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Certificate of GEOCHEM

Company: WELCOME NORTH MINES
Project: RR 6 GC
Attention: J. BROCK/R. POTTER

File: 8-1079/P1
Date: AUG 10/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
Q28E 1400	.4	82	5
Q28E 1425	.4	47	5
Q28E 1450	.3	42	5
Q28E 1475	.4	48	5
Q28E 1500	.3	25	10
Q28E 1525	.4	83	5
Q28E 1550	.4	275	5
Q28E 1575	.4	58	5
Q28E 1600	.6	300	5
Q28E 600	.4	550	5
Q28E 625	.6	600	10
Q28E 650	.6	575	5
Q28E 675	.4	525	5
Q28E 700	.4	250	15
Q28E 725	.6	1100	10
Q28E 750	.4	500	60
Q28E 775	.6	700	20
Q28E 800	.6	350	5
Q28E 825	.6	325	5
Q28E 850	.4	325	10
Q28E 875	.5	575	5
Q35E 2300	.6	175	5
Q35E 2325	.6	98	5
Q35E 2350	1.0	275	5
Q35E 2375	1.2	575	5
Q35E 2400	.7	375	10
Q35E 2425	.6	87	20
Q35E 2450	.9	1000	45
Q35E 2475	2.0	1000	90
Q35E 2500	1.4	8750	230

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Certificate of GEOCHEM

Company: WELCOME NORTH MINES
Project: RR-6-DC
Attention: J. BROCK

File: 8-897
Date: JULY 12/88
Type: PAN CONC.

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-FIRE PPB
3320	1.4	500	2
3321	.7	325	2
3322	.6	450	1
3323	.4	350	1
3324	.4	53	1

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Certificate of GEOCHEM

Company: WELCOME NORTH MINES
Project: RR-6-QC
Attention: J. BROCK

File: 8-897/P1
Date: JULY 12/88
Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-FIRE PPB
3100	1.0	40	21
3301	.6	1175	12
3302	2.2	1000	10
3303	1.2	850	2
3304	2.4	700	21
3305	.8	750	3
3306	.9	91	4
3307	.7	400	3
3308	.6	450	2
3309	.6	325	5
3310	.8	750	10
3311	.6	675	2
3312	.8	800	4
3313	.7	1000	27
3314	.9	600	15
3315	.8	1200	8
3316	.4	34	7
3317	1.0	7	2
3318	1.4	5	12
3319	.4	4	8
3263	1.2	500	5
3264	.9	350	4
3265	.7	425	17
3266	2.2	54	3
3267	1.0	66	7
3268	1.2	1500	5
3269	.8	400	3
3270	.9	700	8

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Certificate of Geochem

Company: WELCOME NORTH MINES
Project: RR-6-Q
Attention: J. BROCK/R. POTTER

File: 8-897/P18
Date: JULY 14/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

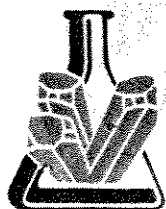
Sample Number	AG PPM	AS PPM	AU-WET PPB
Q30E 24+00N	0.6	59	5
Q30E 24+50N	0.7	41	5
Q30E 25+00N	0.6	35	5
Q30E 25+50N	0.8	143	5
Q30E 26+00N	0.6	73	5

Q30E 26+50N	0.8	31	5
Q30E 27+00N	0.8	25	5
Q30E 27+50N	0.7	27	5
Q30E 28+00N	0.6	43	5
Q30E 28+50N	0.7	23	10

Q30E 29+00N	0.8	55	5
Q30E 29+50N	1.4	39	5
Q30E 30+00N	0.8	32	5

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Certificate of Geochem

Company: WELCOME NORTH MINES
Project: RR-6-0
Attention: J. BROCK/R. POTTER

File: 8-897/P17
Date: JULY 14/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
Q27E 29+00N	0.6	15	5
Q27E 29+50N	0.7	18	5
Q27E 30+00N	0.6	16	5
Q30E 10+00N	1.4	750	5
Q30E 10+50N	0.9	575	30
Q30E 11+00N	0.8	575	60
Q30E 11+50N	0.6	128	5
Q30E 12+00N	1.3	525	5
Q30E 12+50N	0.7	64	5
Q30E 13+00N	0.6	93	110
Q30E 13+50N	0.8	63	5
Q30E 14+00N	0.9	136	5
Q30E 14+50N	1.4	750	5
Q30E 15+00N	0.8	44	5
Q30E 15+50N	0.6	94	5
Q30E 16+00N	0.8	58	10
Q30E 16+50N	0.7	65	5
Q30E 17+00N	0.6	94	5
Q30E 17+50N	0.7	114	5
Q30E 18+00N	0.8	54	5
Q30E 18+50N	0.6	136	5
Q30E 19+00N	0.8	98	10
Q30E 19+50N	0.7	48	5
Q30E 20+00N	NO SAMPLE		
Q30E 20+50N	0.8	300	5
Q30E 21+00N	0.6	117	5
Q30E 21+50N	0.9	450	5
Q30E 22+00N	1.1	450	5
Q30E 22+50N	0.8	146	5
Q30E 23+50N	0.9	350	5

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Company: WELCOME NORTH MINES
Project: RR-6-D
Attention: J. BROCK/R. POTTER

File: 8-897/P16
Date: JULY 15/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
Q27E 14+00N	.6	23	5
Q27E 14+50N	.7	18	10
Q27E 15+00N	.6	45	5
Q27E 15+50N	.6	24	5
Q27E 16+00N	.7	46	10
Q27E 16+50N	.8	68	5
Q27E 17+00N	.9	138	5
Q27E 17+50N	.8	151	5
Q27E 18+00N	17.9	475	10
Q27E 18+50N	.9	625	5
Q27E 19+00N	.6	425	10
Q27E 19+50N	.5	900	5
Q27E 20+00N	1.2	159	5
Q27E 20+50N	1.9	89	5
Q27E 21+00N	1.4	138	5
Q27E 21+50N	1.6	51	5
Q27E 22+00N	.9	42	5
Q27E 22+50N	1.1	72	5
Q27E 23+00N	.7	96	5
Q27E 23+50N	.6	68	15
Q27E 24+00N	.4	64	5
Q27E 24+50N	.4	128	5
Q27E 25+00N	.5	136	5
Q27E 25+50N	.7	29	5
Q27E 26+00N	.5	64	5
Q27E 26+50N	.6	58	10
Q27E 27+00N	.8	29	5
Q27E 27+50N	.7	47	5
Q27E 28+00N	.6	24	5
Q27E 28+50N	.4	21	5

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Company: WELCOME NORTH MINES
Project: RR-6-0
Attention: J. BROCK/R. POTTER

File: 8-B97/P15
Date: JULY 14/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AS PPM	AS PPM	AL-WET PPB
Q36 19+50N	0.7	33	5
Q36 20+00N	0.6	36	5
Q36 20+50N	0.4	38	10
Q36 21+00N	0.7	69	5
Q36 21+50N	1.0	26	5
Q36 22+00N	0.6	104	5
Q36 22+50N	1.1	73	5
Q36 23+00N	0.2	81	5
Q36 23+50N	1.0	95	5
Q36 24+00N	0.9	132	5
Q36 24+50N	6.5	3700	460
Q36 25+00N	0.4	3750	25
Q36 25+50N	0.3	91	5
Q36 26+00N	0.6	77	5
Q36 26+50N	1.8	400	10
Q36 27+00N	0.9	159	5
Q36 27+50N	0.4	105	5
Q36 28+00N	0.4	73	5
Q36 28+50N	0.3	32	10
Q36 29+00N	0.5	125	5
Q36 29+50N	0.4	18	5
Q36 30+00N	0.4	24	5
Q27E 10+00N	0.8	143	50
Q27E 10+50N	0.6	119	225
Q27E 11+00N	0.7	151	25
Q27E 11+50N	0.4	450	15
Q27E 12+00N	0.5	700	10
Q27E 12+50N	0.5	600	30
Q27E 13+00N	0.4	31	10
Q27E 13+50N	0.3	350	5

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Company: WELCOME NORTH MINES
Project: RR-6-D
Attention: J. BROCK/R. POTTER

File: 8-897/P14
Date: JULY 14/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
Q33E 24+50N	0.6	92	5
Q33E 25+00N	0.3	32	5
Q33E 25+50N	0.3	20	5
Q33E 26+00N	0.5	54	5
Q33E 26+50N	0.4	91	5
Q33E 27+00N	0.7	68	10
Q33E 27+50N	0.4	114	5
Q33E 28+00N	0.3	47	5
Q33E 28+50N	0.6	87	5
Q33E 29+00N	0.4	34	10
Q33E 29+50N	0.4	26	10
Q33E 30+00N	0.3	41	5
Q36 10+00N	0.3	36	5
Q36 10+50N	0.3	43	5
Q36 11+00N	0.6	725	5
Q36 12+00N	0.4	57	5
Q36 12+50N	0.9	1325	5
Q36 13+00N	0.7	625	5
Q36 13+50N	1.0	119	5
Q36 14+00N	1.4	115	10
Q36 14+50N	0.3	60	5
Q36 15+00N	1.8	425	5
Q36 15+50N	0.8	78	5
Q36 16+00N	1.1	112	5
Q36 16+50N	0.8	54	5
Q36 17+00N	1.0	89	5
Q36 17+50N	0.4	31	10
Q36 18+00N	0.9	29	5
Q36 18+50N	0.6	28	5
Q36 19+00N	0.7	11	5

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Company: WELCOME NORTH MINES
Project: RR-6-D
Attention: J. BROCK/R. POTTER

File: 8-897/P13
Date: JULY 14/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
024E 30+00N	0.3	69	5
033E 10+00N	0.5	88	5
033E 10+50N	0.4	95	5
033E 11+00N	1.2	42	10
033E 11+50N	0.7	105	15
033E 12+00N	0.6	120	5
033E 12+50N	0.5	91	5
033E 13+00N	0.7	119	5
033E 13+50N	1.1	400	15
033E 14+00N	0.8	142	5
033E 14+50N	1.2	425	5
033E 15+00N	0.4	128	5
033E 15+50N	0.6	154	5
033E 16+00N	0.4	75	10
033E 16+50N	0.5	61	5
033E 17+00N	0.5	45	10
033E 17+50N	0.7	74	5
033E 18+00N	0.8	87	5
033E 18+50N	0.8	88	5
033E 19+00N	0.5	153	5
033E 19+50N	0.6	106	5
033E 20+00N	1.1	157	5
033E 20+50N	0.9	158	5
033E 21+00N	0.8	425	5
033E 21+50N	1.0	160	5
033E 22+00N	0.7	143	10
033E 22+50N	0.6	156	5
033E 23+00N	0.3	64	5
033E 23+50N	0.4	76	5
033E 24+00N	1.7	93	5

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Company: WELCOME NORTH MINES
Project: RR-6-D
Attention: J. BROCK/R. POTTER

File: 8-897/P12
Date: JULY 14/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
Q24E 15+00N	0.9	900	5
Q24E 15+50N	0.7	1200	10
Q24E 16+00N	0.4	84	5
Q24E 16+50N	0.8	550	5
Q24E 17+00N	0.8	225	5
Q24E 17+50N	2.0	400	5
Q24E 18+00N	1.1	275	10
Q24E 18+50N	1.7	350	5
Q24E 19+00N	2.4	600	5
Q24E 19+50N	0.6	350	5
Q24E 20+00N	0.5	95	5
Q24E 20+50N	2.5	139	5
Q24E 21+00N	1.1	108	5
Q24E 21+50N	1.8	99	5
Q24E 22+00N	0.3	73	10
Q24E 22+50N	0.6	87	5
Q24E 23+00N	0.4	27	5
Q24E 23+50N	0.4	15	5
Q24E 24+00N	0.3	19	5
Q24E 24+50N	1.2	350	5
Q24E 25+00N	0.6	27	5
Q24E 25+50N	0.5	29	5
Q24E 26+00N	0.3	20	5
Q24E 26+50N	0.4	22	5
Q24E 27+00N	0.4	16	5
Q24E 27+50N	0.3	20	5
Q24E 28+00N	0.4	25	5
Q24E 28+50N	0.3	15	5
Q24E 29+00N	0.3	25	5
Q24E 29+50N	0.6	74	5

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Certificate of Geochem

Company: WELCOME NORTH MINES
Project: RR-6-Q
Attention: J. BROCK/R. POTTER

File: 8-897/P11
Date: JULY 14/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
Q21E 21+50N	.5	400	5
Q21E 22+00N	.4	26	5
Q21E 22+50N	.4	16	5
Q21E 23+00N	.7	25	5
Q21E 23+50N	.8	40	5
Q21E 24+00N	.3	106	5
Q21E 24+50N	.3	129	5
Q21E 25+00N	.9	400	5
Q21E 25+50N	.6	39	5
Q21E 26+00N	.4	57	5
Q21E 26+50N	.3	38	5
Q21E 27+00N	.6	23	5
Q21E 27+50N	.8	20	5
Q21E 28+00N	.4	25	5
Q21E 28+50N	.9	22	5
Q21E 29+00N	.6	29	5
Q21E 29+50N	.5	7	5
Q21E 30+00N	.7	17	5
Q24E 7+00N	.7	725	10
Q24E 7+50N	1.0	800	15
Q24E 8+00N	1.2	750	5
Q24E 8+50N	.7	650	30
Q24E 9+00N	.8	500	5
Q24E 9+50N	.6	750	5
Q24E 10+50N	.6	2700	5
Q24E 11+00N	2.8	23000	285
Q24E 12+00N	1.1	3500	25
Q24E 13+50N	1.9	2250	5
Q24E 14+00N	.8	825	15
Q24E 14+50N	2.1	3750	40

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Company: WELCOME NORTH MINES
Project: RR-6-Q
Attention: J. BROCK/R. POTTER

File: B-897/P10
Date: JULY 13/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
M/G 1+50S	.6	12	5
M/G 1+00S	.6	18	5
M/G 0+50S	.5	19	5
Q21E 7+00N	.7	575	5
Q21E 7+50N	1.0	375	5
Q21E 8+00N	.7	450	5
Q21E 8+50N	.9	550	5
Q21E 9+00N	1.8	500	15
Q21E 9+50N	1.4	325	5
Q21E 10+00N	.9	550	15
Q21E 10+50N	.5	59	5
Q21E 11+50N	.6	135	5
Q21E 12+50N	.4	129	5
Q21E 13+00N	.4	113	5
Q21E 13+50N	.3	500	10
Q21E 14+00N	.4	575	10
Q21E 14+50N	.2	144	5
Q21E 15+00N	.8	88	5
Q21E 15+50N	1.9	450	5
Q21E 16+00N	.5	375	5
Q21E 16+50N	.7	129	5
Q21E 17+00N	.4	725	5
Q21E 17+50N	1.4	325	5
Q21E 18+00N	1.2	575	10
Q21E 18+50N	1.7	400	5
Q21E 19+00N	.9	450	5
Q21E 19+50N	.6	106	30
Q21E 20+00N	.4	300	5
Q21E 20+50N	.5	117	5
Q21E 21+00N	.8	119	5

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Company: WELCOME NORTH MINES
Project: RR-6-Q
Attention: J. BROCK/R. POTTER

File: 8-897/P9
Date: JULY 13/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
M/A 1+50S	.3	96	5
M/A 1+00S	.4	63	5
M/A 0+50S	.4	124	5
M/A 0+00S	.5	36	5
M/A 0+50N	.3	66	5
M/A 1+00N	.6	83	5
M/A 1+50N	.5	64	5
M/A 2+00N	.7	66	5
M/A 2+50N	.3	33	10
M/A 3+00N	.7	30	5
M/B 3+00S	.6	24	5
M/B 2+50S	.5	24	10
M/B 2+00S	.5	53	5
M/B 1+50S	.7	26	5
M/B 1+00S	.4	27	5
M/B 0+50S	.8	37	5
M/B 0+00S	.6	56	5
M/B 0+50N	.6	33	5
M/B 1+00N	.9	36	10
M/B 1+50N	.5	28	5
M/B 2+00N	.5	45	5
M/B 2+50N	.6	66	5
M/B 3+00N	.4	68	5
M/C 2+50N	.3	18	5
M/C 2+00N	.6	22	5
M/C 1+50N	.5	28	5
M/C 1+00N	.4	21	5
M/C 0+50N	.4	21	25
M/C 0+00N	.6	20	5
M/G 2+00S	.5	34	5

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Certificate of Geochem

Company: WELCOME NORTH MINES
Project: RR-6-0
Attention: J. BROCK/R. POTTER

File: 8-897/P8
Date: JULY 13/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PFB
Q18E 17+00N	.6	31	5
Q18E 17+50N	.3	29	5
Q18E 18+00N	.3	32	5
Q18E 18+50N	.4	27	5
Q18E 19+00N	.6	24	5
Q18E 19+50N	.3	23	5
Q18E 20+00N	.4	46	5
Q18E 20+50N	.5	31	10
Q18E 21+00N	.3	25	5
Q18E 21+50N	.5	40	5
Q18E 22+00N	.8	67	5
Q18E 22+50N	.6	127	5
Q18E 23+00N	.5	112	5
Q18E 23+50N	.7	131	5
Q18E 24+00N	.5	31	5
Q18E 24+50N	.8	26	5
Q18E 25+00N	.9	24	5
Q18E 25+50N	.4	15	5
Q18E 26+00N	.4	31	10
Q18E 26+50N	.5	18	5
Q18E 27+00N	1.0	109	5
Q18E 27+50N	.7	56	5
Q18E 28+00N	.9	42	5
Q18E 28+50N	.7	13	5
Q18E 29+00N	.3	1	5
Q18E 29+50N	.8	17	5
Q18E 30+00N	.4	27	5
M/A 3+00S	.5	32	5
M/A 2+50S	.4	23	5
M/A 2+00S	.6	26	5

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TELEPHONE: (705) 264-9996

Certificate of Geochem

Company: WELCOME NORTH MINES
Project: RR-6-Q
Attention: J. BROCK/R. POTTER

File: 8-897/P7
Date: JULY 13/88
Type: SOIL GEOCH

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
Q15E 22+50N	.7	149	5
Q15E 23+00N	.2	75	5
Q15E 23+50N	1.3	375	5
Q15E 24+00N	.3	32	5
Q15E 24+50N	.4	154	20
Q15E 25+00N	.2	35	5
Q15E 25+50N	.4	21	5
Q15E 26+00N	.4	66	5
Q15E 26+50N	.3	34	5
Q15E 27+00N	.9	30	5
Q15E 27+50N	.4	14	10
Q15E 28+00N	1.0	17	5
Q15E 28+50N	.4	6	5
Q15E 29+00N	.7	8	5
Q15E 29+50N	.8	7	5
Q15E 30+00N	1.1	3	5
Q18E 10+00N	.9	44	5
Q18E 10+50N	.6	37	10
Q18E 11+00N	.8	27	5
Q18E 11+50N	.6	54	5
Q18E 12+00N	.7	58	5
Q18E 12+50N	.5	103	5
Q18E 13+00N	.6	50	5
Q18E 13+50N	.7	51	5
Q18E 14+00N	.3	42	5
Q18E 14+50N	.8	36	5
Q18E 15+00N	.7	62	5
Q18E 15+50N	.6	52	5
Q18E 16+00N	.4	35	5
Q18E 16+50N	.7	350	5

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Certificate of Geochem

Company: WELCOME NORTH MINES
Project: RR-6-Q
Attention: J. BROCK/R. POTTER

File: 8-897/P6
Date: JULY 14/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
Q48E 28+00N	0.6	30	5
Q48E 28+50N	0.4	23	5
Q48E 29+00N	0.5	31	5
Q48E 29+50N	0.7	28	5
Q48E 30+00N	0.7	21	5
Q15E 10+00N	0.6	475	5
Q15E 10+50N	0.4	275	5
Q15E 11+00N	0.6	133	5
Q15E 11+50N	0.4	76	10
Q15E 12+00N	0.5	29	5
Q15E 12+50N	0.7	29	5
Q15E 13+00N	0.9	36	5
Q15E 13+50N	0.6	18	5
Q15E 14+00N	0.4	29	5
Q15E 14+50N	0.6	93	5
Q15E 15+00N	0.8	146	5
Q15E 15+50N	0.4	120	5
Q15E 16+00N	0.7	68	10
Q15E 16+50N	0.4	56	5
Q15E 17+00N	0.6	34	10
Q15E 17+50N	0.6	20	10
Q15E 18+00N	0.7	7	5
Q15E 18+50N	0.4	142	5
Q15E 19+00N	0.3	38	5
Q15E 19+50N	0.6	44	5
Q15E 20+00N	1.2	45	5
Q15E 20+50N	0.7	33	5
Q15E 21+00N	1.3	37	5
Q15E 21+50N	0.5	11	5
Q15E 22+00N	0.6	94	5

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Company: WELCOME NORTH MINES
Project: RR-6-Q
Attention: J. BROCK/R. POTTER

File: 8-897/P5
Date: JULY 13/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
Q48E 13+00N	.6	126	5
Q48E 13+50N	.4	80	5
Q48E 14+00N	.6	73	5
Q48E 14+50N	.4	94	5
Q48E 15+00N	.3	54	5
Q48E 15+50N	.4	1175	5
Q48E 16+00N	.4	450	5
Q48E 16+50N	.6	110	5
Q48E 17+00N	.4	950	5
Q48E 17+50N	.2	950	10
Q48E 18+00N	.5	3450	10
Q48E 18+50N	.4	2375	15
Q48E 19+00N	.2	475	5
Q48E 19+50N	.2	130	5
Q48E 20+00N	.4	85	5
Q48E 20+50N	.4	98	5
Q48E 21+00N	.4	130	10
Q48E 21+50N	.6	120	5
Q48E 22+00N	.2	115	5
Q48E 22+50N	.2	111	5
Q48E 23+00N	.2	106	5
Q48E 23+50N	.2	57	10
Q48E 24+00N	.4	70	5
Q48E 24+50N	.2	36	5
Q48E 25+00N	.4	44	5
Q48E 25+50N	.4	23	5
Q48E 26+00N	.4	24	5
Q48E 26+50N	.2	25	5
Q48E 27+00N	.3	20	5
Q48E 27+50N	.2	65	5

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Company: WELCOME NORTH MINES
Project: RR-6-Q
Attention: J. BROCK/R. POTTER

File: 8-897/P4
Date: JULY 13/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
Q45E 17+50N	.3	600	5
Q45E 18+00N	.4	525	5
Q45E 18+50N	.4	800	5
Q45E 19+00N	.5	325	5
Q45E 19+50N	.5	375	5
Q45E 20+00N	.4	116	10
Q45E 20+50N	.4	325	5
Q45E 21+00N	.2	200	5
Q45E 21+50N	.4	144	5
Q45E 22+50N	.2	54	5
Q45E 23+00N	.3	96	5
Q45E 23+50N	.4	136	5
Q45E 24+00N	.4	27	5
Q45E 24+50N	.6	142	10
Q45E 25+00N	.4	275	5
Q45E 25+50N	1.2	600	15
Q45E 26+00N	.4	92	5
Q45E 26+50N	.4	34	5
Q45E 27+00N	.5	43	5
Q45E 27+50N	.6	103	5
Q45E 28+00N	.4	30	5
Q45E 28+50N	.4	58	10
Q45E 29+00N	1.0	1575	10
Q45E 29+50N	1.2	1500	10
Q48E 10+00N	.4	325	5
Q48E 10+50N	.2	525	5
Q48E 11+00N	.4	475	5
Q48E 11+50N	.2	72	5
Q48E 12+00N	.3	79	5
Q48E 12+50N	.4	425	5

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Certificate of GEOCHEM

Company: WELCOME NORTH MINES
Project: RR-6-0
Attention: J. BROCK/R. POTTER

File: 8-879/P3
Date: JULY 13/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
042E 22+00N	.4	26	10
042E 22+50N	.3	22	5
042E 23+00N	.4	48	5
042E 23+50N	.2	28	5
042E 24+00N	.4	72	5
042E 24+50N	.4	23	5
042E 25+00N	.3	51	5
042E 25+50N	.4	48	5
042E 26+00N	.4	60	5
042E 26+50N	.3	64	5
042E 27+00N	.4	425	5
042E 27+50N	.5	99	10
042E 28+00N	.6	130	5
042E 28+50N	.7	375	5
042E 29+00N	1.0	400	10
042E 29+50N	.6	375	10
043E 10+00N	.3	138	5
045E 11+00N	.4	91	5
045E 11+50N	1.0	400	5
045E 12+00N	.8	101	10
045E 12+50N	.6	95	5
045E 13+00N	.7	108	5
045E 13+50N	.7	94	5
045E 14+00N	.4	325	5
045E 14+50N	.6	550	5
045E 15+00N	.4	133	10
045E 15+50N	.3	62	5
045E 16+00N	.4	103	5
045E 16+50N	.4	750	10
045E 17+00N	.2	118	5

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Company: WELCOME NORTH MINES
Project: RR-6-D
Attention: J. BROCK/R. POTTER

File: 8-897/P2
Date: JULY 12/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
Q39E 25+00N	15.7	1350	5
Q39E 25+50N	3.3	2125	40
Q39E 26+00N	1.8	1225	15
Q39E 26+50N	1.2	1150	15
Q39E 27+00N	2.4	5000	510
Q39E 27+50N	2.5	2400	75
Q39E 28+00N	.6	1125	10
Q39E 29+50N	1.2	1350	5
Q39E 30+00N	2.4	1625	20
Q42E 10+00N	.2	250	20
Q42E 10+50N	.2	57	5
Q42E 11+00N	.4	350	5
Q42E 11+50N	.2	325	5
Q42E 12+00N	.1	575	5
Q42E 12+50N	.1	122	15
Q42E 13+00N	.2	141	5
Q42E 13+50N	.3	143	5
Q42E 14+00N	.4	137	5
Q42E 14+50N	.4	94	5
Q42E 15+00N	.2	118	5
Q42E 15+50N	.4	78	10
Q42E 16+00N	.3	55	5
Q42E 16+50N	.2	475	5
Q42E 17+50N	.4	525	10
Q42E 18+00N	.2	450	10
Q42E 19+00N	.4	650	15
Q42E 19+50N	.2	475	5
Q42E 20+00N	.2	275	5
Q42E 21+00N	.3	55	5
Q42E 21+50N	.2	40	5

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Certificate of GEOCHEM

Company: WELCOME NORTH MINES
Project: RR-6-QC
Attention: J. BROCK/R. POTTER

File: 8-897/P1
Date: JULY 12/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
Q39E 10+00N	.8	500	5
Q39E 10+50N	.6	375	5
Q39E 11+00N	.7	650	10
Q39E 11+50N	.6	148	5
Q39E 12+00N	.4	375	15
Q39E 12+50N	.4	134	5
Q39E 13+00N	.5	350	5
Q39E 13+50N	.4	225	160
Q39E 14+00N	.6	200	5
Q39E 14+50N	.8	225	5
Q39E 15+00N	1.7	150	5
Q39E 15+50N	1.0	113	10
Q39E 16+00N	.6	85	5
Q39E 16+50N	.4	105	15
Q39E 17+00N	.4	225	5
Q39E 17+50N	.5	250	5
Q39E 18+00N	.7	144	5
Q39E 18+50N	.4	134	5
Q39E 19+00N	.4	123	10
Q39E 19+50N	.4	60	5
Q39E 20+00N	.6	42	5
Q39E 20+50N	.6	18	5
Q39E 21+00N	.6	12	5
Q39E 21+50N	.7	40	5
Q39E 22+00N	.8	12	10
Q39E 22+50N	.5	30	5
Q39E 23+00N	.4	44	5
Q39E 23+50N	.6	27	5
Q39E 24+00N	.8	59	5
Q39E 24+50N	.9	500	5

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Company: WELCOME NORTH MINES
 Project: RR 6 QC
 Attention: J. BROCK

File: B-1066/P1
 Date: AUG 9/88
 Type: SOIL GEOI

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU PPB
Q31E 0725N	.5	550	5
Q31E 0750N	.7	650	20
Q31E 0775N	1.1	1000	80
Q31E 0800N	.8	250	5
Q31E 0825N	.8	200	5
Q31E 0850N	.7	250	10
Q31E 0875N	1.3	550	5
Q22E 1325N	.8	71	5
Q22E 1350N	.6	31	5
Q22E 1375N	.8	325	5
Q22E 1400N	1.2	98	10
Q22E 1425N	1.1	350	10
Q22E 1450N	.5	56	5
Q22E 1475N	.8	24	5
Q22E 1500N	.7	52	5
Q22E 1525N	.7	25	5
Q22E 1550N	1.6	175	5
Q22E 1575N	1.5	325	10
Q22E 1600N	1.0	116	5

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Company: WELCOME NORTH MINES
Project: RR 6 QC
Attention: J. BROCK/R. POTTER

File: B-1066/P
Date: AUG 9/88
Type: SOIL GEO

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU PPB
Q22E 0625N	.9	350	5
Q22E 0650N	1.1	225	5
Q22E 0675N	1.0	325	5
Q22E 0700N	.9	275	10
Q22E 0725N	.9	400	5
Q22E 0750N	.8	300	5
Q22E 0775N	.6	82	5
Q22E 0800N	.7	325	10
Q22E 0825N	.8	200	5
Q22E 0850N	.7	250	5
Q22E 0875N	.6	200	5
Q22E 0900N	1.3	225	5
Q22E 0925N	1.1	200	5
Q22E 0950N	.8	175	5
Q22E 0975N	1.0	175	5
Q22E 1000N	1.4	275	40
Q22E 1025N	1.1	275	30
Q22E 1050N	1.0	275	65
Q22E 1075N	1.4	250	20
Q22E 1100N	.7	275	5
Q22E 1125N	.8	250	10
Q22E 1150N	.8	92	10
Q22E 1175N	.6	81	5
Q22E 1200N	.4	25	5
Q22E 1225N	.5	30	5
Q22E 1250N	.6	82	10
Q22E 1275N	.9	66	20
Q22E 1300N	.8	100	5
Q31E 0600N	.4	725	10
Q31E 0700N	.6	750	25

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Company: WELCOME NORTH MINES
Project: RR 6 QC
Attention: J. BROCK/R. POTTER

File: 8-1066/P
Date: AUG 9/88
Type: SOIL GEO

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU PPB
Q23E 1300N	.8	42	5
Q23E 1325N	.6	57	10
Q23E 1350N	.4	22	5
Q23E 1375N	.7	87	5
Q23E 0600N	1.0	375	5
Q23E 0625N	.8	275	5
Q23E 0650N	1.2	71	10
Q23E 0675N	.6	35	5
Q23E 0700N	.7	41	5
Q23E 0725N	.8	121	5
Q23E 0750N	1.0	51	5
Q23E 0775N	1.0	325	5
Q23E 0800N	.8	81	10
Q23E 0825N	.9	98	5
Q23E 0850N	.8	116	5
Q23E 0875N	.7	64	5
Q31E 0900N	1.8	725	5
Q31E 0925N	2.1	2225	275
Q31E 0950N	1.0	775	5
Q31E 0975N	1.3	825	10
Q31E 1000N	.9	650	5
Q31E 1025N	.5	300	5
Q31E 1050N	.9	900	5
Q31E 1075N	.5	325	5
Q31E 1100N	1.7	1400	20
Q31E 1125N	3.9	1250	115
Q31E 1150N	14.2	900	35
Q31E 1175N	1.7	1200	60
Q31E 1200N	.6	350	5
Q22E 0600N	.5	375	5

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 P.O. BOX 887
 TIMMINS, ONTARIO CANADA P4N 7G7
 TELEPHONE: (706) 264-9998

Certificate of Geochem

Company: WELCOME NORTH MINES
 Project: RR 6 QC
 Attention: J. BROCK/R. POTTER

File: 8-1066/P
 Date: AUG. 5/88
 Type: SOIL GEO

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
Q25E 0975N	0.9	135	5
Q25E 1000N	1.2	121	10
Q25E 1025N	0.5	95	5
Q25E 1050N	0.6	133	5
Q25E 1075N	0.9	125	5
Q23E 1400N	1.5	625	5
Q23E 1425N	0.7	132	10
Q23E 1450N	1.1	85	5
Q23E 1475N	1.4	135	5
Q23E 1500N	0.8	47	5
Q23E 1525N	1.8	300	5
Q23E 1550N	1.1	70	5
Q23E 1575N	1.1	475	5
Q23E 1600N	2.0	325	10
Q23E 0900N	1.3	115	10
Q23E 0925N	1.0	120	5
Q23E 0950N	0.8	119	5
Q23E 0975N	1.1	114	5
Q23E 1000N	1.6	131	5
Q23E 1025N	1.4	127	5
Q23E 1050N	0.7	82	5
Q23E 1075N	0.8	129	5
Q23E 1100N	0.9	39	5
Q23E 1125N	0.6	26	10
Q23E 1150N	0.8	20	5
Q23E 1175N	0.9	36	5
Q23E 1200N	1.4	83	5
Q23E 1225N	0.9	59	10
Q23E 1250N	0.8	42	5
Q23E 1275N	1.1	52	5

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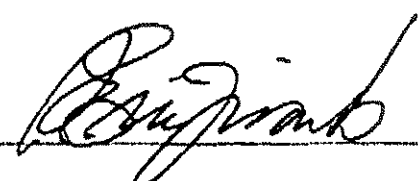
Certificate of Geochem

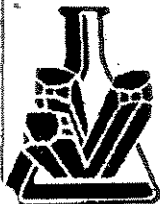
Company: WELCOME NORTH MINES
Project: RR 6 QC
Attention: J. BROCK/R. POTTER

File: 8-1066/P
Date: AUG 9/88
Type: SOIL GEO

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU PPB
Q25E 1250N	1.4	2620	1010
Q25E 1275N	1.9	2500	660
Q25E 1300N	.8	450	20
Q25E 1325N	1.2	1175	5
Q25E 1350N	.6	1175	5
Q25E 1375N	.3	84	5
Q25E 1400N	.5	675	5
Q25E 1425N	.4	78	10
Q25E 1450N	.8	121	5
Q25E 1475N	.5	86	5
Q25E 1500N	.8	25	5
Q25E 1525N	.4	88	5
Q25E 1550N	.5	600	30
Q25E 1575N	.7	350	5
Q25E 1600N	1.3	1000	5
Q25E 0600N	.8	325	5
Q25E 0625N	.7	450	5
Q25E 0650N	.6	143	5
Q25E 0675N	.8	350	5
Q25E 0700N	.4	400	5
Q25E 0725N	.5	400	5
Q25E 0750N	1.2	350	5
Q25E 0775N	.7	400	5
Q25E 0800N	.6	350	5
Q25E 0825N	1.6	101	25
Q25E 0850N	1.0	61	5
Q25E 0875N	1.4	125	5
Q25E 0900N	.8	118	5
Q25E 0925N	1.2	105	5
Q25E 0950N	.9	425	5

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Company: WELCOME NORTH MINES
Project: RR 6 QC
Attention: J. BROCK/R. POTTER

File: 8-1066/P4
Date: AUG 8/88
Type: SOIL GEOC

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU PPB
Q26E 0650N	.4	400	15
Q26E 0675N	.6	350	5
Q26E 0700N	.5	325	5
Q26E 0725N	.3	250	10
Q26E 0750N	.4	350	10
Q26E 0775N	.6	86	5
Q26E 0800N	.3	109	5
Q26E 0825N	.7	325	5
Q26E 0850N	.4	250	20
Q26E 0875N	.3	64	5
Q26E 0900N	.5	109	5
Q26E 0925N	.3	325	5
Q26E 0950N	.4	400	5
Q26E 0975N	.8	350	5
Q26E 1000N	.6	300	10
Q26E 1025N	.5	104	20
Q26E 1050N	.4	225	10
Q26E 1075N	1.8	2500	380
Q26E 1100N	.9	300	185
Q26E 1125N	1.3	6875	5300
Q26E 1150N	1.1	1500	30
Q26E 1175N	3.5	5625	1060
Q26E 1200N	1.7	3750	2125
Q26E 1225N	2.3	5625	2500
Q25E 1100N	.3	51	5
Q25E 1125N	.4	59	10
Q25E 1150N	1.4	1325	125
Q25E 1175N	1.4	1325	115
Q25E 1200N	3.1	1875	470
Q25E 1225N	1.6	3750	2800

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Company: WELCOME NORTH MINES
Project: RR 6 QC
Attention: J. BROCK/R. POTTER

File: 8-1066/P
Date: AUG 8/88
Type: SOIL GEO

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU PPB
Q31E 1375N	NO SAMPLE		
Q31E 1400N	.7	225	5
Q31E 1425N	.4	20	5
Q31E 1450N	.6	250	5
Q31E 1475N	.5	175	5
Q31E 1500N	.6	102	5
Q31E 1525N	1.0	300	5
Q31E 1550N	.8	128	10
Q31E 1575N	.7	102	5
Q31E 1600N	.5	40	5
Q31E 1625N	1.4	104	5
Q31E 1650N	.7	71	5
Q31E 1675N	1.2	48	10
Q26E 1250N	13.8	700	80
Q26E 1275N	1.0	45	5
Q26E 1300N	.9	425	5
Q26E 1325N	.8	27	5
Q26E 1350N	.6	350	5
Q26E 1375N	1.1	150	15
Q26E 1400N	.9	29	5
Q26E 1425N	.5	61	5
Q26E 1450N	.6	64	5
Q26E 1475N	.8	64	10
Q26E 1500N	.6	74	5
Q26E 1525N	.6	71	5
Q26E 1550N	.7	36	5
Q26E 1575N	.6	94	5
Q26E 1600N	.8	76	5
Q26E 0600N	.7	350	15
Q26E 0625N	.7	375	10

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Certificate of Geochem

Company: WELCOME NORTH MINES
Project: RR 6 QC
Attention: J. BROCK/R. POTTER

File: B-1066/P2
Date: AUG. 5/88
Type: SOIL GEOCH

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
Q29E 0825N	1.0	250	5
Q29E 0850N	1.4	400	5
Q29E 0875N	1.1	300	10
Q29E 0900N	1.2	375	5
Q29E 0925N	1.6	143	5
Q29E 0950N	1.0	700	5
Q29E 0975N	0.7	600	20
Q29E 1000N	0.5	138	10
Q29E 1025N	0.9	375	5
Q29E 1050N	1.5	450	5
Q29E 1075N	2.1	650	5
Q31E 1300N	0.8	115	5
Q31E 1325N	1.1	275	5
Q31E 1350N	1.0	275	5
Q31E 1375N	0.8	300	5

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Company: WELCOME NORTH MINES
 Project: RR 6 QD
 Attention: J. BROCK/R. POTTER

File: 8-1066/P
 Date: AUG 9/88
 Type: SOIL GEO

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU PPB
Q29E 1100N	2.6	800	15
Q29E 1125N	.9	350	5
Q29E 1150N	.5	250	5
Q29E 1175N	.7	175	10
Q29E 1200N	.6	250	5
Q29E 1225N	.3	300	5
Q29E 1250N	.5	200	70
Q29E 1275N	.6	105	5
Q29E 1300N	.4	58	5
Q29E 1325N	.6	800	10
Q29E 1350N	.3	350	5
Q29E 1375N	.4	250	5
Q29E 1400N	.5	58	5
Q29E 1425N	.4	59	5
Q29E 1450N	.6	37	5
Q29E 1475N	.5	42	10
Q29E 1500N	.4	24	5
Q29E 1525N	.5	62	5
Q29E 1550N	.6	112	5
Q29E 1575N	.8	175	15
Q29E 1600N	.6	98	5
Q29E 0600N	1.2	225	5
Q29E 0625N	.4	475	5
Q29E 0650N	.5	200	5
Q29E 0675N	.4	425	5
Q29E 0700N	.6	600	10
Q29E 0725N	.5	575	5
Q29E 0750N	.4	525	5
Q29E 0775N	.6	600	10
Q29E 0800N	.4	400	5

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Company: WELCOME NORTH
Project: RR-6-GC
Attention: J. BROCK/R. POTTER

File: 8-1498/P3
Date: SEPT 16/88
Type: ROCK GEOCHE

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE PPB	AG PPM	AS PPM
Q 3598	15	1.0	1100
Q 3599	2	1.0	71

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Certificate of Geochem

Company: WELCOME NORTH MINES
Project: RR-6-GC
Attention: J. BROCK/R. POTTER

File: 8-1498/P2
Date: SEPT 16/88
Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE PFB	AG PPM	AS PPM
Q 3380	220	0.7	675
Q 3381	660	0.9	950
Q 3382	182	0.6	1050
Q 3383	165	0.4	850
Q 3384	300	0.7	1000
Q 3385	280	1.2	1000
Q 3386	80	0.7	725
Q 3387	240	0.8	1100
Q 3388	176	0.6	825
Q 3389	1240	2.2	2175
Q 3390	200	2.7	825
Q 3391	20	0.5	625
Q 3392	8	0.6	400
Q 3393	2	0.6	350
Q 3394	6	0.7	475
Q 3395	126	0.5	650
Q 3396	3	0.3	500
Q 3397	17	0.6	675
Q 3398	2	0.5	800
Q 3399	2	0.5	700
Q 3400	1	0.4	700
Q 3475	122	0.7	1100
Q 3476	4	0.4	775
Q 3477	2	0.3	650
Q 3478	8	0.5	625
Q 3479	2	0.3	650
Q 3480	3	0.7	750
Q 3481	4	0.8	775
Q 3482	10	1.0	875
Q 3483	2	1.1	63

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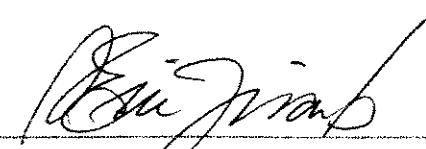
Company: WELCOME NORTH MINES
Project: RR-6-QC
Attention: J. BROCK/R. POTTER

File: 8-1498/P1
Date: SEPT 16/88
Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE PPB	AG PPM	AS PPM
Q 3351	1	1.1	19
Q 3352	40	980.0	550
Q 3353	2	6.2	37
Q 3354	3	11.6	23
Q 3355	920	1.5	1950
Q 3356	503	2.3	1575
Q 3357	427	1.2	1550
Q 3358	765	1.4	2000
Q 3359	363	0.9	1450
Q 3360	204	1.1	1550
Q 3361	65	1.1	975
Q 3362	261	1.0	1575
Q 3363	280	0.8	1300
Q 3364	75	1.1	800
Q 3365	143	0.7	725
Q 3366	9	1.0	375
Q 3367	16	0.6	250
Q 3368	5	0.8	450
Q 3369	7	0.9	400
Q 3370	6	0.5	375
Q 3371	5	0.7	500
Q 3372	12	0.5	400
Q 3373	80	0.6	1200
Q 3374	121	0.7	825
Q 3375	375	1.0	1550
Q 3376	220	0.8	1300
Q 3377	241	0.6	1075
Q 3378	560	0.5	1300
Q 3379	42	0.9	550

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Certificate of GEOCHEM

Company: WELCOME NORTH MINES
Project: RR 6 DC
Attention: J. BROCK

File: B-1409/P1
Date: SEPT 6/88
Type: ROCK GEOCI

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-FIRE PPR
3578	1.0	875	169
3579	0.6	900	59
3580	0.7	725	189
3581	0.4	124	16
3582	0.6	550	27
3583	0.4	750	125
3584	0.6	1250	286
3585	0.4	1200	694
3586	0.3	600	2
3587	0.4	625	3
3588	0.4	700	6
3589	0.6	450	62
3590	0.2	550	112
3591	0.4	750	192
3592	0.6	1250	350
3593	0.8	1200	559
3594	0.8	550	42
3595	0.5	575	74
3596	0.2	450	7
3597	0.4	15	2
3585 DUP	0.8	650	128

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Certificate of GEOCHEM

Company: WELCOME NORTH MINES
Project: RR6QC
Attention: J. BROCK

TINTINA

File: 8-1409/P1
Date: SEPT. 3/88
Type: SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-WET PPB
Q13+60N-24+80E	0.7	375	5
Q13+60N-25+20E	0.4	350	5
Q13+60N-25+40E	0.6	175	10
Q13+60N-25+60E	0.5	300	5
Q13+60N-25+80E	1.5	400	5

Q13+80N-24+80E	0.4	225	5
Q13+80N-25+20E	0.5	175	5
Q13+80N-25+40E	0.4	150	5
Q13+80N-25+60E	0.3	300	5
Q13+80N-25+80E	N/S		

Q14N-24+80E	0.4	147	5
Q14N-22+20E	0.4	250	5
Q14N-22+40E	0.3	150	10
Q14N-22+60E	0.9	250	5
Q26E-13+60N	0.6	325	5

Q26E-13+80N	0.4	300	5
Q26E-14+00N	0.8	175	5
Q26E-14+20N	0.6	90	5
Q25+80E-13+80N	1.4	225	10
Q25+80E-14+00N	0.6	117	5

Q25+80E-14+20N	0.5	102	5

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TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of GEOCHEM

Company: WELCOME NORTH MINES
Project: RR-6-QC *TINTINA*
Attention: J. BROCK/R. POTTER

File: 8-1352/P1
Date: SEPT. 1/88
Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AS PPM	AU-FIRE PPB
QC3559	0.9	26	16
QC3560	0.8	27	2
QC3561	1.0	102	6
QC3562	49.7	39	27
QC3563	0.9	1	10
QC3564	1.3	29	210
QC3565	1.6	115	660
QC3566	1.4	112	255
QC3567	1.3	950	460
QC3472	0.9	57	32
QC3568	1.4	850	690
QC3569	1.3	725	283
QC3570	1.6	550	257
QC3571	1.1	112	28
QC3574	1.2	450	18
QC3575	1.5	60	7
QC3576	1.3	54	2
QC3577	1.0	350	10
QC3572	0.8	93	5
QC3573	0.8	116	6
QC3473	0.7	750	51
QC3474	0.9	250	17

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APPENDIX III

SUMMARY OF EXPENDITURES

QC

1988 STATEMENT OF COSTS

		\$
Salaries and Wages		10,833
Geological Consulting		4,500
Camp Costs - 124 man days @ \$40/man/day		4,960
Field Supplies - flagging, thread, sample bags, etc.		80
Mobilization		2,788
Vehicle - rentals & fuel		671
Helicopter - 24.3 hrs. @ \$475/hr.	11,543	
- fuel 2430 litres @ \$0.63/litre	<u>1,531</u>	13,073
Analyses - Min-En Laboratories		
- Soils - 1068 samples @ \$12.00 ea.	12,816	
- Rocks - 82 samples @ \$16.50 ea.	<u>1,353</u>	14,169
Project Management		
- Planning, field management, reporting		<u>3,170</u>
Total:		<u><u>54,244</u></u>

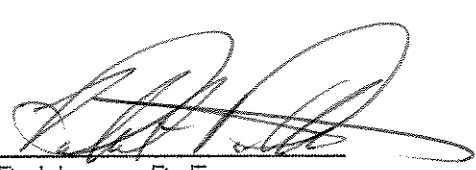
APPENDIX IV

ENGINEER'S CERTIFICATE

I, Robert G. Potter of 150 Andrew Place, Fulford Harbour, in the Province of British Columbia, Canada, DO HEREBY CERTIFY that:

1. I am a consulting Geological Engineer.
2. I am a graduate of the University of British Columbia (B.A.Sc. 1961) and of McGill University (M.Sc. Applied 1972).
3. I am a member in good standing of the Association of Professional Engineers of British Columbia.
4. This report is based on the results of work carried on under my direct supervision and on available published data.
5. I have no interest in the QC property or in other properties or securities of Welcome North Mines Ltd. nor do I expect to receive any.

Dated at Vancouver, British Columbia this 27 day of December, 1988.


Robert G. Potter, P.Eng.

APPENDIX V

REFERENCES

- Archer Cathro and Associates: Northern Cordilleran Mineral Inventory.
- Boyle, R.W., 1979: The Geochemistry of Gold and Its Deposits. G.S.C. Bull. 280.
- Buisson, G., and LeBlanc, M., 1986: Gold-bearing Listwanites (carbonatized ultramafic rocks) in Ophiolite Complexes, in Metallogeny of basic and ultrabasic rocks: London Institute Mining Metallurgy, p. 121-132.
- Duke, J.L., and Godwin, C.I., 1986: Geology and Alteration of the Grew epithermal gold-silver prospect, south-central Yukon, in Yukon Geology Vol. I, D.I.A.N.D.
- Fisher, R.V., and Schmincke, H., 1984: Pyroclastic Rocks: Springer - Verlag.
- Jackson, L.E., et al 1986: Bimodal Paleogene Volcanics near Tintina Fault, East-central Yukon and Their Possible Relationship to Placer Gold, in Yukon Geology Vol. I, D.I.A.N.D.
- Templeman-Kluit, D., et al, 1977: Compilation of the Geology of Quiet Lake (105F) and Finlayson Lake (105G). G.S.C. Open File 486.

APPENDIX VI

LIST OF PERSONNEL

(QC CLAIMS)

Gordon Dick (Soil Sampler), General Delivery, Ross River, Yukon
Period Worked: July 18 to 20, 1988

Ron Etzel (Soil Sampler), General Delivery, Ross River, Yukon
Period Worked: July 18 to 20, 1988

Mike Heino (Prospector), 43 Jean Street, Sudbury, Ontario
Period Worked: August 15 to 28, 1988

Harold John (Soil Sampler), General Delivery, Ross River, B.C.
Period Worked: July 18 to 20, 1988
August 1 to 3, and 15 to 28, 1988

Robert Potter (Geologist & Proj. Mgr.), R.R. 1, Fulford Harbour,
B.C. Period Worked: August 15 to 18, 1988

Bruce Williams (Prospector), R.R. 1, Fulford Harbour, B.C.
Period Worked: August 1 to 3, and 15 to 28, 1988

SAMPLE NUMBERS	METRES	Au ppb	As ppm	Ag ppm
3587	5	125	750	0.4
3584	5	286	1250	0.6
3585	8	694	1200	0.4

SAMPLE NUMBERS	METRES	Au ppb	As ppm	Ag ppm
3474				
3581	5	16	124	0.4
3582	7	27	550	0.6
3583	6	2	600	0.7
3587	5	3	625	0.4

SAMPLE NUMBERS	METRES	Au ppb	As ppm	Ag ppm
3480	3	3	750	0.7
3481	3	4	775	0.8
3482	3	10	876	1.0

TRENCH #4				
SAMPLE NUMBERS	METRES	Au ppb	As ppm	Ag ppm
3475	3	122	1100	0.7
3476	3	4	775	0.4
3477	3	2	650	0.3
3478	3	8	625	0.5
3479	3	2	650	0.3
3395	3	126	650	0.5
3396	3	3	600	0.3
3397	3	17	675	0.6
3398	3	2	800	0.5
3399	3	2	700	0.5
3400	3	1	700	0.4

TRENCH #3				
SAMPLE NUMBERS	METRES	Au ppb	As ppm	Ag ppm
3380	3.6	220	675	0.7
3381	3	660	940	0.9
3382	3	162	1050	0.6
3383	3	165	850	0.4
3384	3	300	1000	0.7
3385	3	260	1000	1.2
3386	3	80	725	0.7
3387	3	240	1100	0.8
3388	3	176	825	0.6
3389	3	1240	2125	2.2
3390	3	200	625	2.7
3391	3	20	625	0.5
3392	3	8	400	0.6
3393	3	2	350	0.6
3394	2	6	475	0.7

TRENCH #1				
SAMPLE Nos	METRES	Au	As	Ag
3355	4	920	1950	1.5
3356	3	503	1575	2.3
3357	3	427	1550	1.2
3358	3	785	2000	1.4
3359	3	383	1450	0.9
3360	3	204	1550	1.1
3361	3	65	975	1.1
3362	3	261	1575	1.0
3363	3	280	1300	0.8
3364	3.6	75	800	1.1

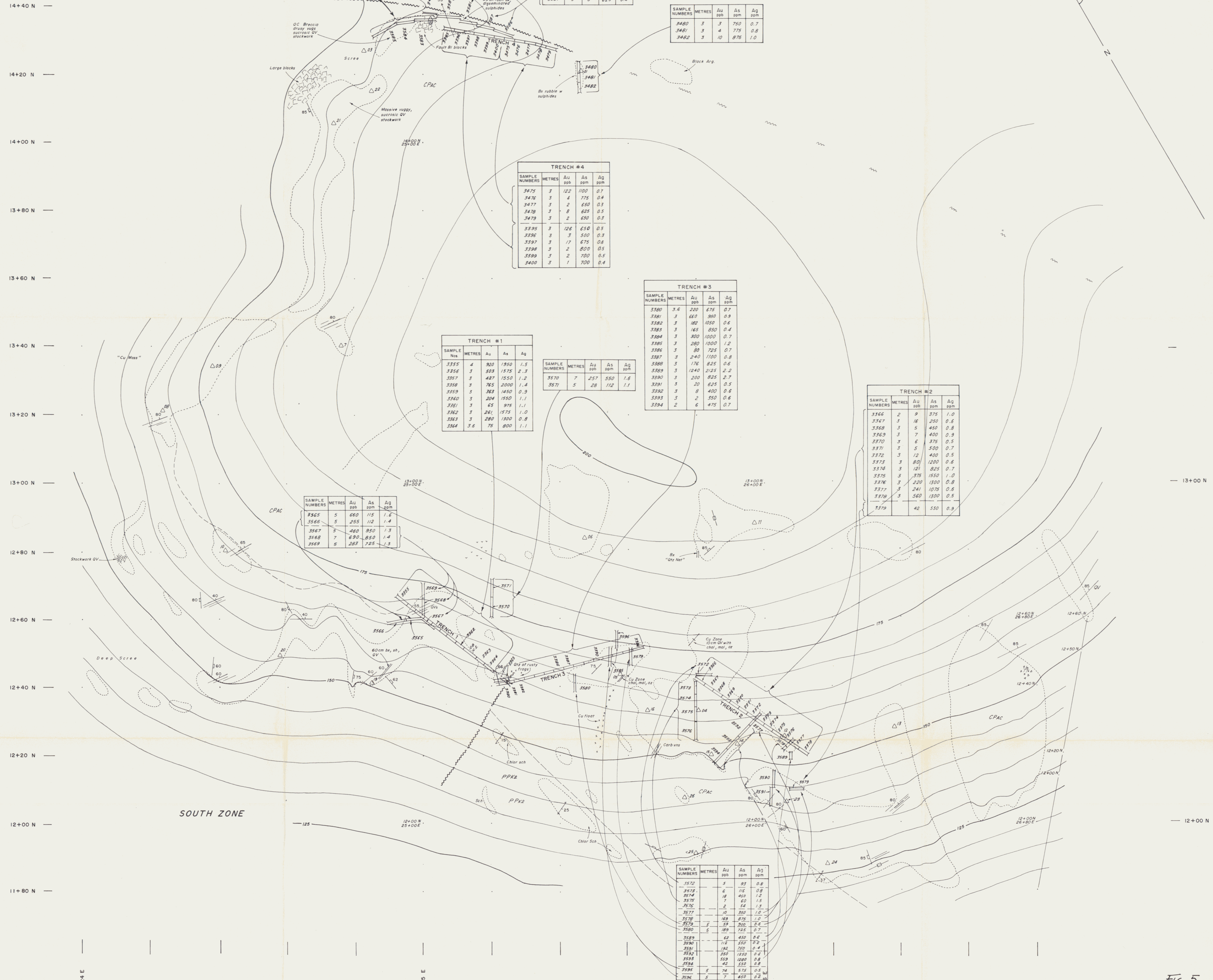
SAMPLE NUMBERS	METRES	Au ppb	As ppm	Ag ppm
3565	5	660	115	1.2
3566	5	255	112	1.4
3567	5	400	800	1.3
3568	7	690	850	1.4
3569	5	283	725	1.3

TRENCH #2				
SAMPLE NUMBERS	METRES	Au ppb	As ppm	Ag ppm
3366	2	9	375	1.0
3367	3	16	250	0.6
3368	3	5	450	0.8
3369	3	7	400	0.9
3370	3	6	375	0.5
3371	3	5	500	0.7
3372	3	12	400	0.5
3373	3	80	1200	0.6
3374	3	121	825	0.7
3375	3	375	1550	1.0
3376	3	220	1300	0.8
3377	3	241	1075	0.6
3378	3	560	1300	0.5
3379	42	550	0.9	

SAMPLE NUMBERS	METRES	Au ppb	As ppm	Ag ppm
3572	5	93	0.8	
3573	6	116	0.8	
3574	16	450	1.4	
3575	7	60	1.5	
3576	2	24	1.2	
3577	10	350	1.2	
3578	168	875	1.0	
3579	5	59	360	2.6
3580	5	189	725	2.7
3581	42	450	0.4	
3582	112	550	0.2	
3583	180	750	0.4	
3584	360	1250	0.2	
3585	550	1000	0.8	
3586	42	550	0.8	
3587	74	575	0.5	
3588	5	7	450	0.2

FAULT ZONE

SOUTH ZONE



LEGEND

- ANVIL-CAMPBELL ALLOCTHON CARB-PERMIAN
 - CPAC Quartz-carbonate altered ultramafic rocks "Listwanite"
- KLONDIKE SCHIST
 - PPK2 Chlorite schist

- Geological boundary
- Outcrop outline
- Fault
- Foliation
- Jointing (inclined, vertical)
- Quartz veins
- Rock samples (trench)
- Rock Specimen

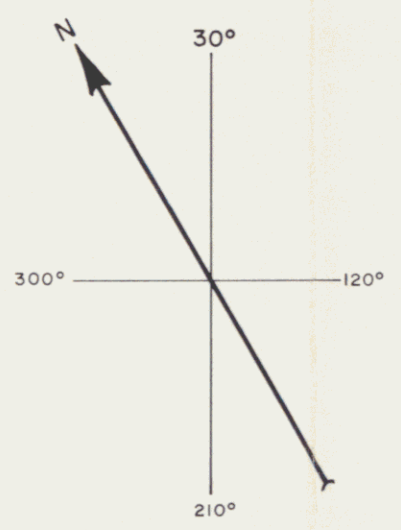


Fig 5

WELCOME NORTH MINES LTD.
VANCOUVER, BRITISH COLUMBIA, CANADA

105 G/6/11 QC CLAIMS

GEOLOGY & ROCK GEOCHEMISTRY

SCALE 1:500

METRES 10 20 METRES

Work by : ROBERT POTTER N.T.S. : 105 G/6 & 11
 Drawn by : Ram's Drafting Services Rev.
 Date : SEPTEMBER, 1988

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