FINAL REPORT

ON THE

NORANDA QUASH CREEK (QC) PROJECT

Liard Mining Division, British Columbia
NTS 104G/09
Latitude: 57° 45' North
Longitude: 103° 13' West

Prepared for

ASCOT RESOURCES LTD.
Vancouver, B.C.

Prepared by

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October 30, 1991

ARIS SUMMARY SHEET

istrict Geologist, Smithers

Off Confidential: 92.09.09

ASSESSMENT REPORT 21832 MINING DIVISION: Liard

ROPERTY: Quash Creek
LOCATION: LAT 57 45 25 LONG 130 13 00
UTM 09 6402089 427596
NTS 104G09E
CLAIM(S): Quash 8-12,Quash 22-23
OPERATOR(S): Ascot Res.
UTHOR(S): Gibson, A.M.
EPORT YEAR: 1991, 70 Pages
KEYWORDS: Triassic,Stuhini Group,Andesites,Tuffs,Agglomerates,Sandstones
Greywackes,Siltstones,Pyrite,Galena,Sphalerite

ORK
ONE: Geological,Geophysical,Geochemical,Physical
GEOL 1600.0 ha
Map(s) - 2; Scale(s) - 1:2500,1:5000
IPOL 6.9 km
Map(s) - 5; Scale(s) - 1:2500
LINE 4.5 km
MAGG 6.9 km
Map(s) - 3; Scale(s) - 1:2500
ROCK 98 sample(s) ;ME
SILT 1 sample(s) ;ME
SOIL 203 sample(s) ;ME
Map(s) - 4; Scale(s) - 1:5000
TREN 80.0 m 2 trench(es)

ELATED
EPORTS: 20616

TABLE OF CONTENTS

		Page No.
1.0	SUMMARY	1
2.0	INTRODUCTION	2
2.1	Location and Access	2
2.2	Physiography and Climate	2
2.3	Property Status and Ownership	2
2.4	History of Exploration	3
2.5	Objectives of 1991 Work Program	4
3.0	GEOLOGY	4
3.1	Regional Geology	4
3.2	Property Geology	6
3.2.1	Rock Types	6
3.2.2	Metamorphism/Alteration	8
3.2.3	Structure	8
4.0	EXPLORATION AND DEVELOPMENT	9
4.1	Reconnaissance & Research	9
4.1.1	Program	9
4.2	Grid Establishment	9
4.3	Prospecting	9
4.3.1	Program	9
4.3.2	Results	9
4.4	Geological Mapping	10
4.4.1	Program	10
4.5	Geochemistry	10
4.5.1	Program	10
4.5.2	Results	10
4.6	Geophysics	11
4.6.1	Program	11
4.6.2	Results	11
4.7	Trenching	12
4.7.1	Program	12
5.0	CONCLUSIONS	12
6.0	RECOMMENDATIONS	13
7.0	REFERENCES	14

LIST OF APPENDICES

APPENDIX I	Statement of Qualifications
APPENDIX II	Summary of Field Personnel
APPENDIX III	Statement of Expenditures
APPENDIX IV	Rock Sample Descriptions and Results, Soil/Silt Sample Descriptions
APPENDIX V	Rock/Soil/Silt Sample Results
APPENDIX VI	Geophysical Report
APPENDIX VII	Analytical Techniques
APPENDIX VIII	1991 Assessment Filing

LIST OF TABLES

		Page No.
Table 1.	Claim Status	3

LIST OF FIGURES

		Following Page No.
Figure 1.	Property Location Map	2
Figure 2.	Claim Map	2
Figure 3.	Regional Geology; Bowser Basin	4
Figure 4.	Deposits and Occurrences in the Property Area	5
Figure 5.	Property Summary Map	9
Figure 6	Geochem Trench Plan Map	11
Figure 7	IP Trench Plan Map	11

LIST OF MAPS

		In Pockets
Map 1.1	Geology and Rock Sample Locations/Results	1:5,000
Map 1.2	Geology and Rock Sample Locations/Results Area of Detailed Work	1:2,500
Map 2.1	Soil Geochemistry Results - Au	1:5,000
Map 2.2	Soil Geochemistry Results - Ag	1:5,000
Map 2.3	Soil Geochemistry Results - Cu	1:5,000
Map 2.4	Soil Geochemistry Results - Zn	1:5,000
Map 3.1	Geophysical IP Plan (n=1)	1:5,000
Map 3.2	Resistivity Contour Plan	1:2,500
Map 3.3	Magnetometer Contour Plan	1:2,500
Map 3.4	Magnetometer Values	1:2,500
Map 4	Compilation, Detailed Area	1:2,500
Map 5	Geophysical Pseudosections	1:2,500

1.0 SUMMARY

Field work on the Noranda QC project commenced during the first week of July and was completed on August 31, 1991. The field program was focused on the base metal soil geochemical anomaly located in the southeastern (Quash 7-12 claims) portion of the property. The program consisted of geophysical (IP and magnetic) surveys, geological mapping, rock sampling, soil sampling and trenching.

In total, 6.9 line-km of IP and magnetic survey were carried out between lines 10,100E and 11,100E at 100 and 200 metre line spacings. A detailed pole-dipole array with an "a" spacing of 25 (n = 1-5) metres was used. the IP survey outlined an east-west trending chargeability anomaly in the central part of the grid. Chargeabilities ranged from 20-32 mV/V, resistivities from 730-2510 ohm-m across the 40 metre wide core of the anomaly. A 38 metre long trench was excavated across the best part of this anomaly but failed to uncover any significant mineralization; results from rock, chip and grab samples ranged up to 74 ppb Au, 8.1 ppm Ag, 103 ppm Cu, 359 ppm Pb and 5,855 ppm Zn. Siliceous, green, variably pyritic (up to 5% bedded and fracture infilled pyrite) siltstone was observed. This pyrite mineralization is interpreted as the cause of the chargeability anomaly.

Additional soil sample lines were established both within the 'central' base metal geochemical anomaly (50 m spaced infill lines), and to the east of the 1990 grid. A 35 metre trench was excavated at the core of the 'central' anomaly, where soil values range up to 985 ppm Pb, 6,581 ppm Zn and 10.5 ppm Ag. The main source of the soil anomaly appears to be mineralized (galena and sphalerite) iron carbonate stringers and veinlets within siliceous, weakly mineralized green siltstones. Base metal results from the chip sampling within this trench included values up to 37 ppb Au, 6 ppm Ag, 156 ppm Cu, 1,088 ppm Pb and 4,417 ppm Zn. Based on a lack of encouraging results, no further work is recommended in this area at this time.

2.0 INTRODUCTION

2.1 Location and Access

The Noranda QC property is located within the Liard Mining Division approximately 200 km north of Stewart, B.C. (Figure 1). The property is located within NTS map sheet 109G/9 and is centred upon 103° 13' West longitude and 57° 45' North latitude. Access to the property is by helicopter from the Village of Iskut, 18 km to the northeast. Work was based out of Iskut where Keewatin maintained a base camp, serviced by a Northern Mountain Hughes 500D helicopter.

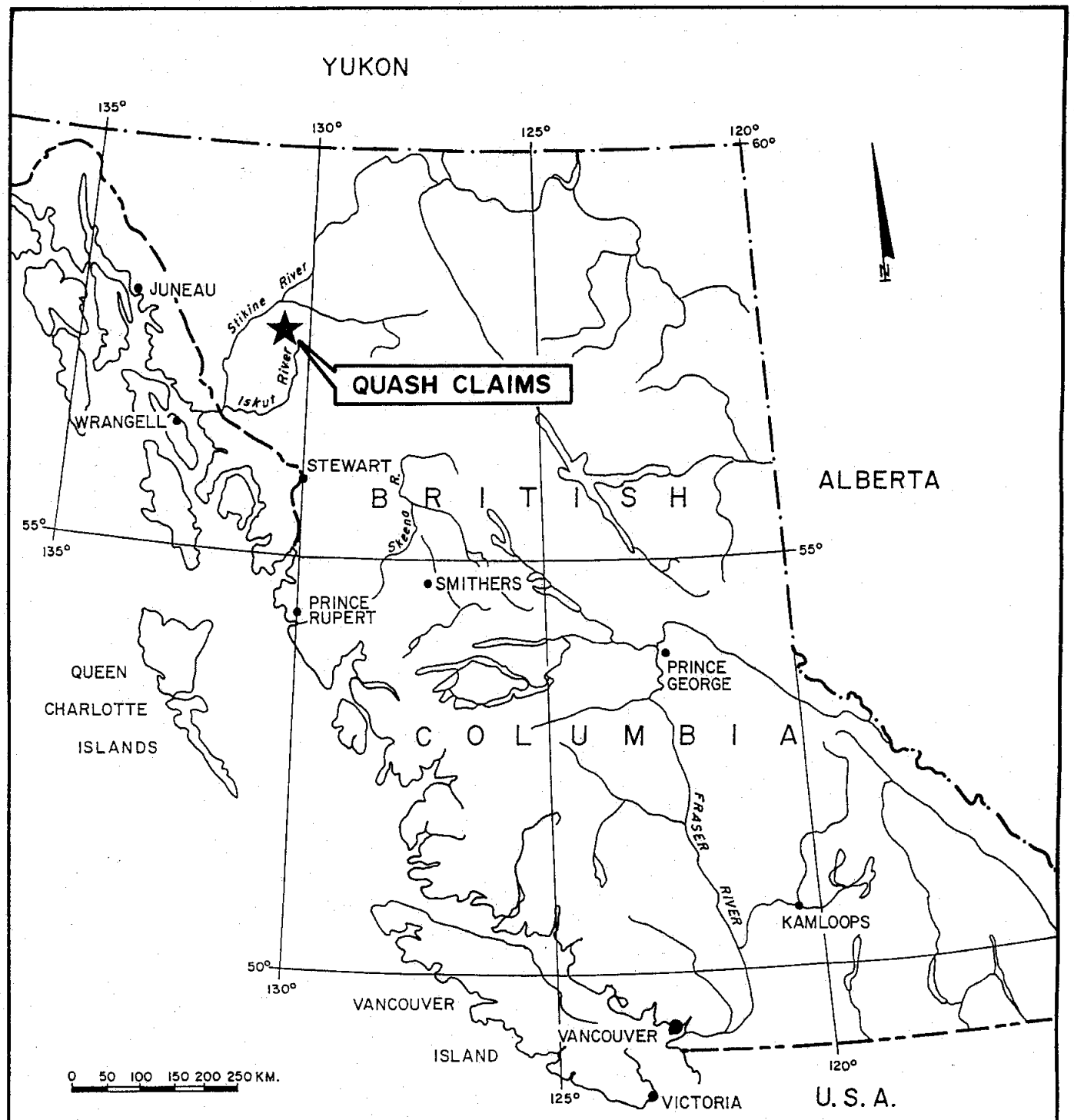
2.2 Physiography and Climate

The property comprises part of the Klastline Plateau, a component of the larger Spatsizi Plateau. Elevations range between 1,370 and 1,980 metres. With the exception of a few prominent cliffs and gullies, the topography of the property is quite gentle.

Located entirely within the alpine environment, the property's vegetation consists of grasses, mosses, lichens and shrubs. Parts of the property receive large accumulations of snow, only becoming bare in late summer, if at all.

2.3 Property Status and Ownership

The Noranda QC property consists of 16 two post claims and 4 modified grid claims. Sufficient work has been filed to keep them in good standing until September, 1994 (Table 1). During the course of geological mapping, claim post locations were tied into the grid. It was determined that the Quash 8-11 claim block is actually 450 m to the northwest of where shown on the government claim map. Although unconfirmed by Keewatin field personnel, Noranda's 1990 geological map has claim post locations plotted which indicate the Quash 1-6 group of claims to be 150 m northwest of their claim map location. The Quash 16-19 block of two post claims is located to the southeast of where previously plotted, resulting in an apparent 100 m fraction between Quash 9, 11 and Quash 16, 17 (Figure 2).



PROPERTY LOCATION MAP

Figure 1

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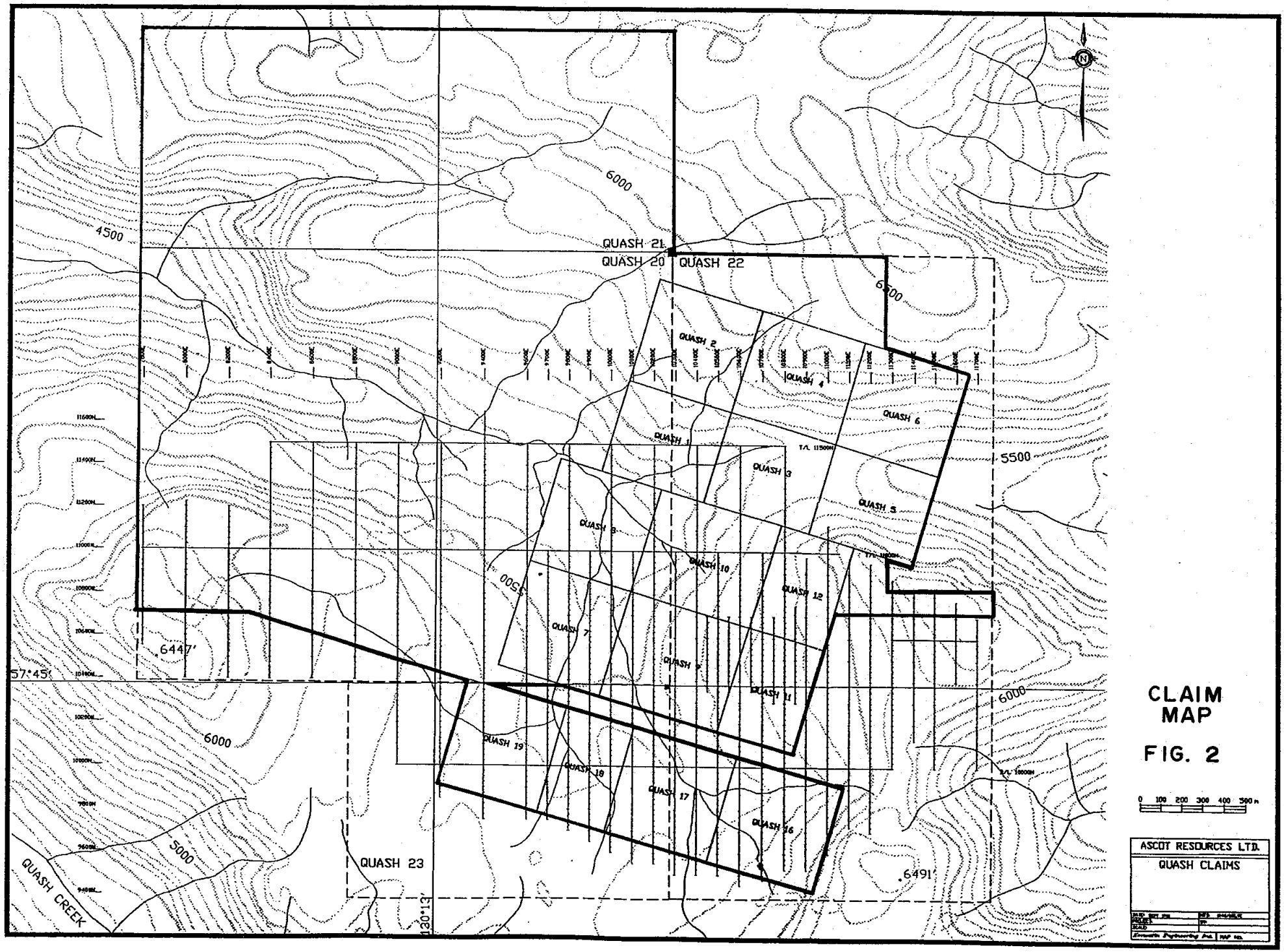

QUASH 21
QUASH 20
QUASH 22
QUASH 23
QUASH 1
QUASH 2
QUASH 3
QUASH 4
QUASH 5
QUASH 6
QUASH 7
QUASH 8
QUASH 9
QUASH 10
QUASH 11
QUASH 12
QUASH 16
QUASH 17
QUASH 18
QUASH 19
6000
5500
5000
4500
6447'
6491'
57°45'
130°13'
QUASH CREEK
CLAIM MAP
FIG. 2
0 100 200 300 400 500 m
ASCOT RESOURCES LTD.
QUASH CLAIMS

TABLE 1 - CLAIM STATUS

Claim Name	No. of Units	Record No.	Record Date	Expiry Date
Quash 1	1	223463	September 17, 1988	September 17, 1994
Quash 2	1	223464	September 17, 1988	September 17, 1994
Quash 3	1	223465	September 17, 1988	September 17, 1994
Quash 4	1	223466	September 17, 1988	September 17, 1994
Quash 5	1	223467	September 17, 1988	September 17, 1994
Quash 6	1	223468	September 17, 1988	September 17, 1994
Quash 7	1	223469	September 17, 1988	September 17, 1994
Quash 8	1	223470	September 17, 1988	September 17, 1994
Quash 9	1	223471	September 17, 1988	September 17, 1994
Quash 10	1	223472	September 17, 1988	September 17, 1994
Quash 11	1	223473	September 17, 1988	September 17, 1994
Quash 12	1	223474	September 17, 1988	September 17, 1994
Quash 16	1	223475	September 17, 1988	September 17, 1994
Quash 17	1	223476	September 17, 1988	September 17, 1994
Quash 18	1	223477	September 17, 1988	September 17, 1994
Quash 19	1	223478	September 17, 1988	September 17, 1994
Quash 20	20	224340	September 09, 1988	September 09, 1995
Quash 21	21	224341	September 09, 1988	September 09, 1994
Quash 22	18	225516	June 09, 1990	June 07, 1994
Quash 23	6	225517	June 09, 1990	June 07, 1994

2.4 History of Exploration

The Quash 1-2 and 16-19 mineral claims were staked by Noranda in August 1988 to cover several anomalous government regional geochemical silt samples taken from streams draining the Quash Creek property area.

A brief field program was undertaken by Noranda in 1989 involving stream sediment sampling, prospecting and rock sampling. The southeast portion of the property was determined to be underlain by favourable volcanic and sedimentary rocks. Rock sample results were recorded up to 2,370 ppb Au. Stream sediments returned values up to 205 ppm Cu, 57 ppm Pb, 214 ppm Zn, 58 ppm As and 79 ppb Au.

A geochemical, geophysical and geological survey was conducted by Noranda Exploration Company Ltd. between June 15 and September 15, 1990. A total of 1,491 soil and 109 rock samples were collected and analyzed. The geophysical survey included 39.25 line-kilometres

of ground magnetics and 18.5 line-kilometres of VLF-EM. Geological mapping was also completed over the entire property.

2.5 Objectives of the 1991 Work Program

The main objective of the 1991 field program was to determine the source of the base metal geochemical soil anomaly in the southeastern part of the property.

3.0 GEOLOGY

3.1 Regional Geology

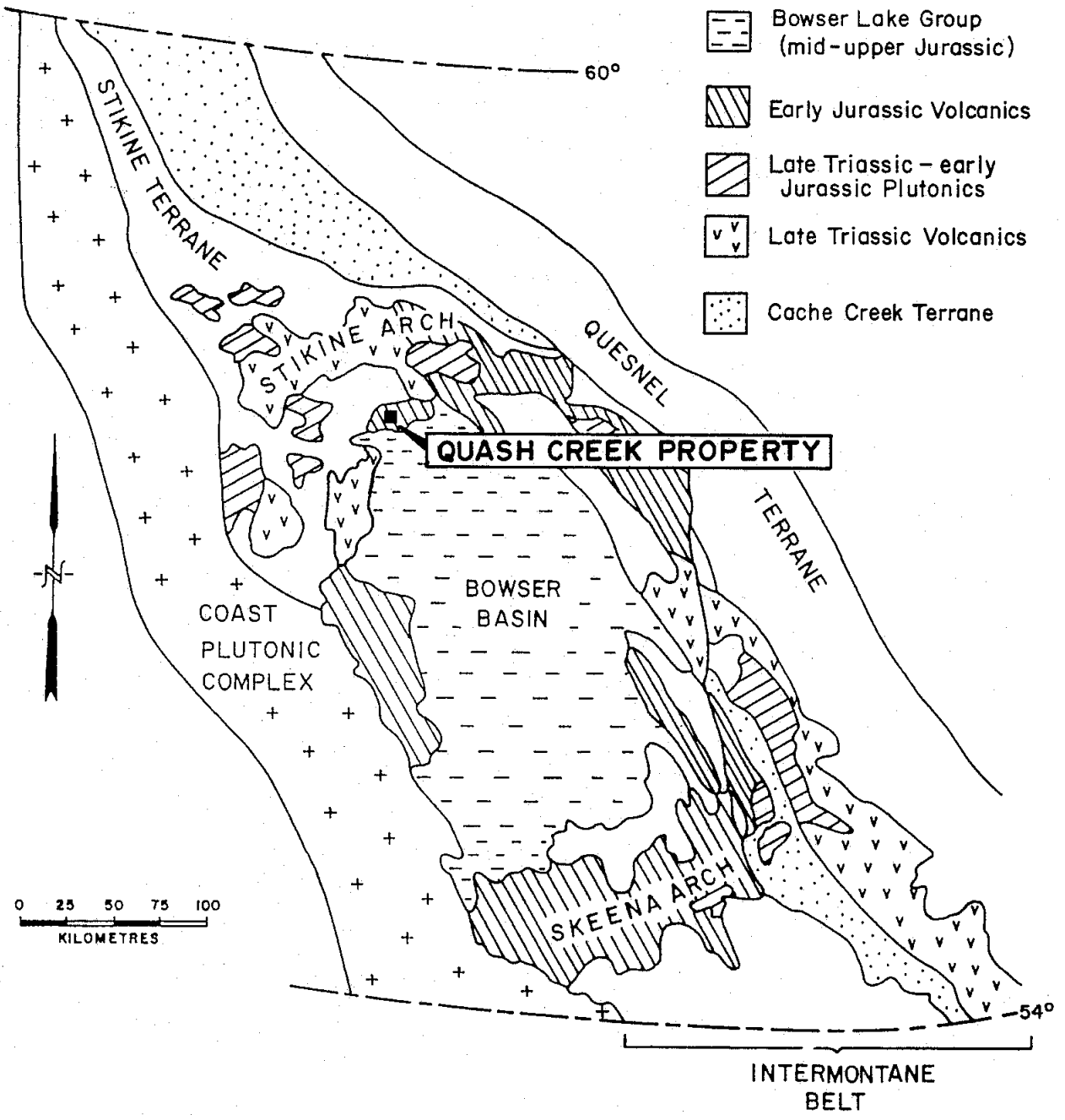
The property is located within the Intermontane Tectono-Stratigraphic Belt of the Canadian Cordillera (Figure 3). The claims lie within the northeastern half of the Stikine Arch to the north of the Bowser Basin.

The regional geological setting (Figure 3) as mapped by Souther (1971) of the G.S.C. comprises Upper Triassic Stuhini Group(?) siltstone, chert, greywacke, volcanic conglomerate and minor limestone overlain by augite porphyry basalt flows, pyroclastic rocks and derived volcaniclastic rocks. These in turn are overlain by Lower Jurassic volcanics that are correlative with the Hazelton Group. The volcanic stratigraphy includes augite-andesite flows, pillow lavas, pyroclastics and derived volcaniclastic rocks.

Unconformably overlying the above units to the south are chert pebble conglomerate, grit, greywacke and siltstone of the Middle to Upper Jurassic Bowser Group.

Transecting the Upper Triassic to Middle Jurassic assemblage is massive to flow banded rhyolite, orbicular rhyolite and massive felsite of an undetermined age. This unit commonly weathers rusty orange due to the oxidation of fine grained pyrite.

Capping stratigraphy at the higher elevations are Upper Tertiary basalt and olivine basalt flows, commonly exhibiting excellent columnar jointing.



REGIONAL GEOLOGY
BOWSER BASIN
NW BRITISH COLUMBIA

(Outline of terrane boundaries and major rock groups of the Jurassic and Triassic – modified from Thomson, 1985).

Figure **3**

KEEWATIN ENGINEERING INC.

Intrusive rocks in the region are typically fine to medium grained plutons that are coeval with the Triassic to Middle Jurassic volcanic assemblages. Compositions vary from diorite, granodiorite, monzodiorite, monzonite and syenite. Many of the smaller alkalic plutons, dated at between 185 and 195 million years (Schmitt, 1977), are associated with porphyry Cu-Au or precious metal vein systems. The intrusives all fall within the Stikine Arch structural domain, a regional feature along which Early Jurassic intrusive and related (island arc type) volcanic activity took place. Alkaline porphyry copper-gold deposits including the Galore Creek, Schaft Creek and Red Chris deposits occur within this trend. Some of the more notable deposits or occurrences of this type that are situated in the general area (Figure 4) of the Noranda QC property include:

A) The Red-Chris alkaline porphyry copper-gold deposit. Explored in the mid-1970's by Texasgulf Inc. (now Falconbridge Ltd.) the deposit has published reserves of 45.2 million tons grading 0.56% Cu and 0.010 oz/ton Au (Panteleyev, 1977).

B) The Q.C. porphyry copper-gold deposit. Discovered by Conwest Exploration in the 1960's, the prospect has inferred geological reserves of 100 million tons grading 0.12% Cu (Webb, 1970).

C) The GJ porphyry Cu-Au prospect.

D) The Rok porphyry Cu-Au prospect. Discovered by Texasgulf Inc. in 1975, the property was drilled in 1990 by Consolidated Carina Resources Ltd. in 1990 who intersected 27.87 metres grading 1.765% Cu and 0.066 oz/ton Au.

E) The Spectrum gold vein system located on the east slopes of Mt. Edziza. Drilling by Columbia Gold Mines over the past two field seasons has encountered numerous significant precious metal intersections.

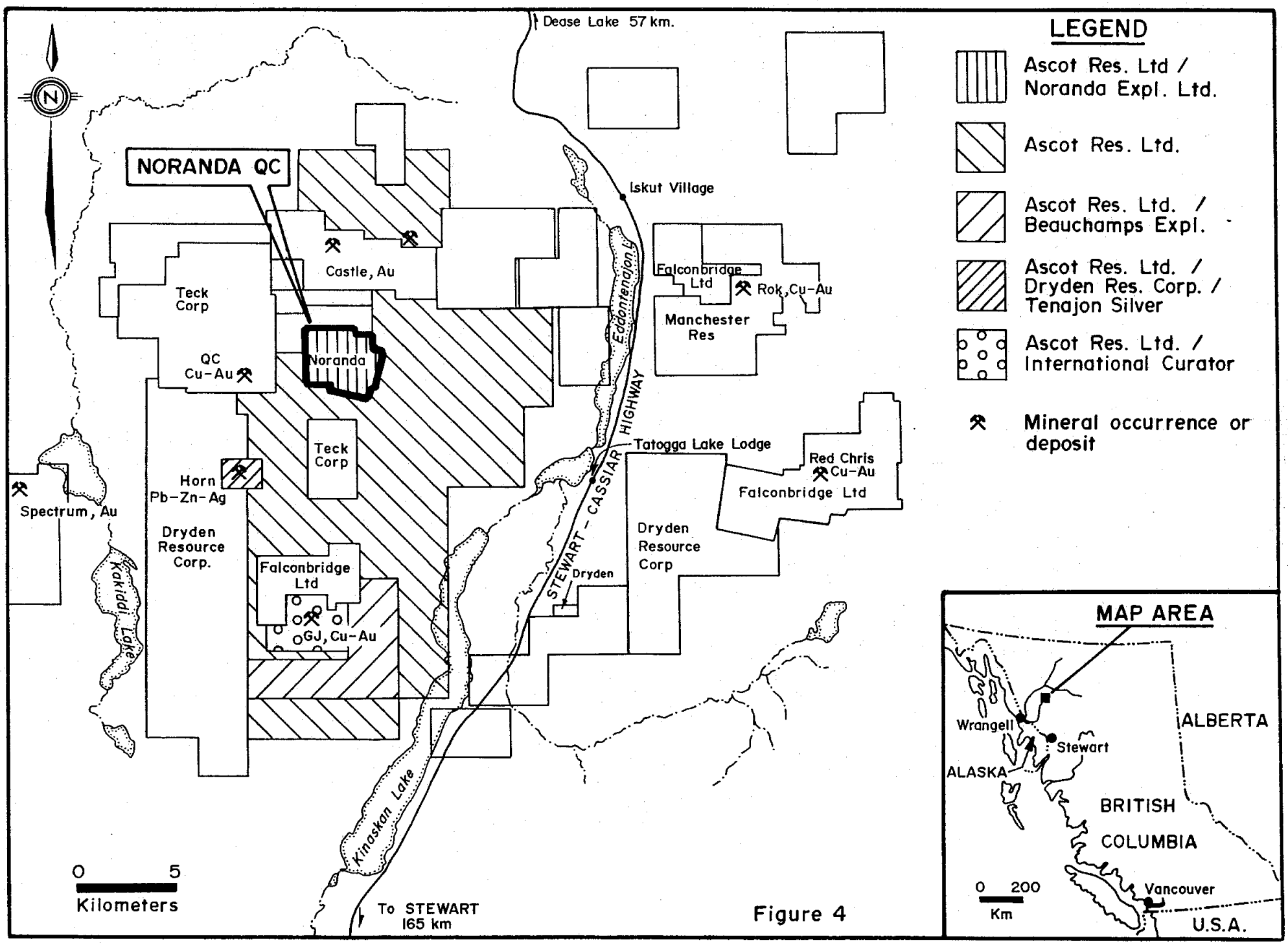

Dease Lake 57 km.
NORANDA QC
Iskut Village
Castle, Au
Teck Corp
QC Cu-Au
Noranda
Eddontenajon
Falconbridge Ltd
Rok, Cu-Au
Manchester Res
Teck Corp
Horn Pb-Zn-Ag
Spectrum, Au
Dryden Resource Corp.
Falconbridge Ltd
GJ, Cu-Au
Kakiddi Lake
STEWART-CASSIAR HIGHWAY
Tatogga Lake Lodge
Red Chris Cu-Au
Falconbridge Ltd
Dryden Resource Corp
Dryden
Kinaskan Lake
To STEWART 165 km
0 5
Kilometers
LEGEND
Ascot Res. Ltd / Noranda Expl. Ltd.
Ascot Res. Ltd.
Ascot Res. Ltd. / Beauchamps Expl.
Ascot Res. Ltd. / Dryden Res. Corp. / Tenajon Silver
Ascot Res. Ltd. / International Curator
Mineral occurrence or deposit
MAP AREA
Wrangell
Stewart
ALASKA
ALBERTA
BRITISH COLUMBIA
Vancouver
U.S.A.
0 200
Km

Figure 4

F) The Castle gold prospect. Work to date by Teck Corp. and Triumph Resources Ltd. has identified a sulphide system 2 km long by up to 50 metres wide that has yielded assays to 0.21 oz/ton Au from over 5.6 m and drill intersections up to 0.931 oz/ton Au over 1.0 m (Konkin, 1990).

3.2 Property Geology

The Noranda QC property is underlain by east-west trending volcanics and sediments of the Upper Triassic Stuhini Group. The sediments are seen to be folded into a west plunging, property wide anticline with increasing minor folds to the north. These sediments and volcanics have been intruded by mainly dioritic northwest trending dykes and plugs.

3.2.1 Rock Types

The following description of the mappable rock units on the Noranda QC property is based on the geological legend produced by Noranda. Changes have been made while maintaining the overall breakdown for the sake of continuity.

Map Unit 1. Felsic volcanic (rhyolite). Pale tan, cream and grey, massive to finely banded, cherty to carbonate altered. Weathers to a light rusty orange.

Map Unit 2. This predominantly andesitic unit can be subdivided into three sub-units:

Sub-unit 2a Interbedded andesite tuff and agglomerate, zones of plagioclase, pyroxene and hornblende phenocrysts. Minor welded ash tuffs.

Sub-unit 2b Welded felsic ash tuff - finely laminated, light green. Much of the area mapped as 2b in 1990 was re-mapped as siliceous light green siltstone during the 1991 field program (3g).

Sub-unit 2c Plagioclase porphyritic andesite, agglomerate and acicular hornblende porphyritic andesite. Much of the areas mapped in 1990 as unit 2c were mapped as diorite by the 1991 field program (5). Andesitic looking plagioclase hornblende porphyry grades into fresh porphyritic

magnetic diorite. The andesitic appearance of the rock was therefore interpreted as a localized chloritic-propylitic alteration of the diorite.

Map Unit 3. The majority of the detailed 1:2,500 scale map area is underlain by Unit 3 - sediments with a minor volcanic fraction. This sedimentary unit has been divided into three sub-units as follows:

Sub-unit 3a Comprised of sandstone, greywacke conglomerate interbedded with argillite.

Sub-unit 3b Well bedded siltstone, argillite with lesser interbedded sandstone and wacke. Rare andesite tuff.

Sub-unit 3g This siltstone unit was an addition to the 1990 geological legend. The area was previously mapped as predominantly welded felsic ash tuff (2b). Detailed mapping and the aid of a rock saw helped in determining the rock to be a predominantly massive to finely bedded, light green to grey, finely bedded siltstone with interbedded ash tuff horizons. Occasional fine pyrite beds from 1 mm to 3 mm width were observed. Disseminated fine grained galena and sphalerite were occasionally observed.

Sub-unit 3l Limestone. One or more limestone bands are known to occur on the Noranda QC property - one at the 1990 GV trench.

Map Unit 4. Felsic Dyke. Throughout most of the property, this unit mainly occurs as float, thus making a distinction between dyke and flow difficult. The majority of the felsic rock on the Noranda QC is interpreted as felsic dyke. The unit has been sub-divided as follows:

Sub-unit 4f Flow banded felsic dyke.

Sub-unit 4m Massive felsic dyke.

Map Unit 5. Diorite dyke/intrusive. Fresh, medium grained, hornblende ± biotite, feldspar phyric, variably magnetic. This fresh rock is seen to grade into 5a below:

Sub-unit 5a Chlorite to propylitic altered, variably silicified diorite dykes and possible plugs. Chlorite replaced hornblende and biotite.

Map Unit 6. Andesite Dyke. Fine grained, massive, variably pyritic, occurs only rarely.

3.2.2 Metamorphism/Alteration

No substantial metamorphism was observed on the Noranda QC property. As mentioned above, areas of chloritic-propylitic alteration of the diorite dykes/intrusives were identified within the detailed work area (Figure 3). Localized iron carbonate alteration was seen to have affected both the sediments and the crosscutting dykes. Within some zones the alteration is spacially limited pervasive with calcite replacement ± galena and sphalerite, but is more commonly spacially associated with iron carbonate ± barite veins, veinlets, stringers and fracture in-filling.

3.2.3 Structure

Although the outcrop developed on the Noranda QC property is limited, bedding measurements indicate the presence of two or more phases of folding. A moderately steeply, west plunging anticline is interpreted to have its fold axis along the outcrop trace of Unit 3g. Further east-west trending syncline/anticline pairs are exposed down the extent of the creek parallel to line 10,000E north of 10,650N. A second phase of folding, with a more north-south orientation is indicated by the irregular trends of the fold axis on the property. The folding is possibly related to one or more of the phases of the diorite intrusives. The large number of dykes interpreted to cross the property, as well as the larger plug-like dioritic intrusions and associated magnetic highs, indicate the possible presence of a large intrusive not far below the surface.

Faulting generally trends in a northwesterly parallel to the dyke direction.

4.0 EXPLORATION AND DEVELOPMENT

4.1 Reconnaissance and Research

4.1.1 Program

Prior to the field program, all of the data generated by Noranda was reviewed and compiled. An autocad drafted base map with topography, claim boundaries and the control grid was also produced by Keewatin Engineering Inc. for use during the course of the 1991 field program.

4.2 Grid Establishment

The southeastern part of the property-wide grid that Noranda established during their 1990 field program was reconstructed. The line spacings are 100 m apart and the stations were established at 25 m intervals along the lines. Keewatin also extended the grid 400 m to the east and established five 400 m long in-fill lines in the base metal anomaly area with 50 m line spacings and 25 m station spacings.

4.3 Prospecting

4.3.1 Program

Prospecting was carried out as part of the 1991 field season in conjunction with geological mapping. Both mapping and prospecting were concentrated in the 1.0 km x 0.7 km "area of detailed work" in the southeast part of the property (Figure 5).

4.3.2 Results

Galena and sphalerite mineralization were encountered and sampled, mostly in float and subcrop. Float boulder trains and subcrop zones were mapped and sampled. Disseminated fine pyrite, galena and possible sphalerite were observed in siliceous siltstone. Most of the

sulphides observed were associated with iron carbonate ± barite ± quartz stringers and veinlets.

4.4 Geological Mapping

4.4.1 Program

Mapping was, for the most part, confined to the area east of L9,700E and south of T/L11,000N and concentrated in the detailed area mentioned above under property geology (Figure 5, Maps 1.1, 1.2 and 4). Mapping was carried out at 1:5,000 scale for grid mapping and traverses off the grid (Map 1.1). The geology of this area, as well as rock sample locations are plotted on Map 1.2.

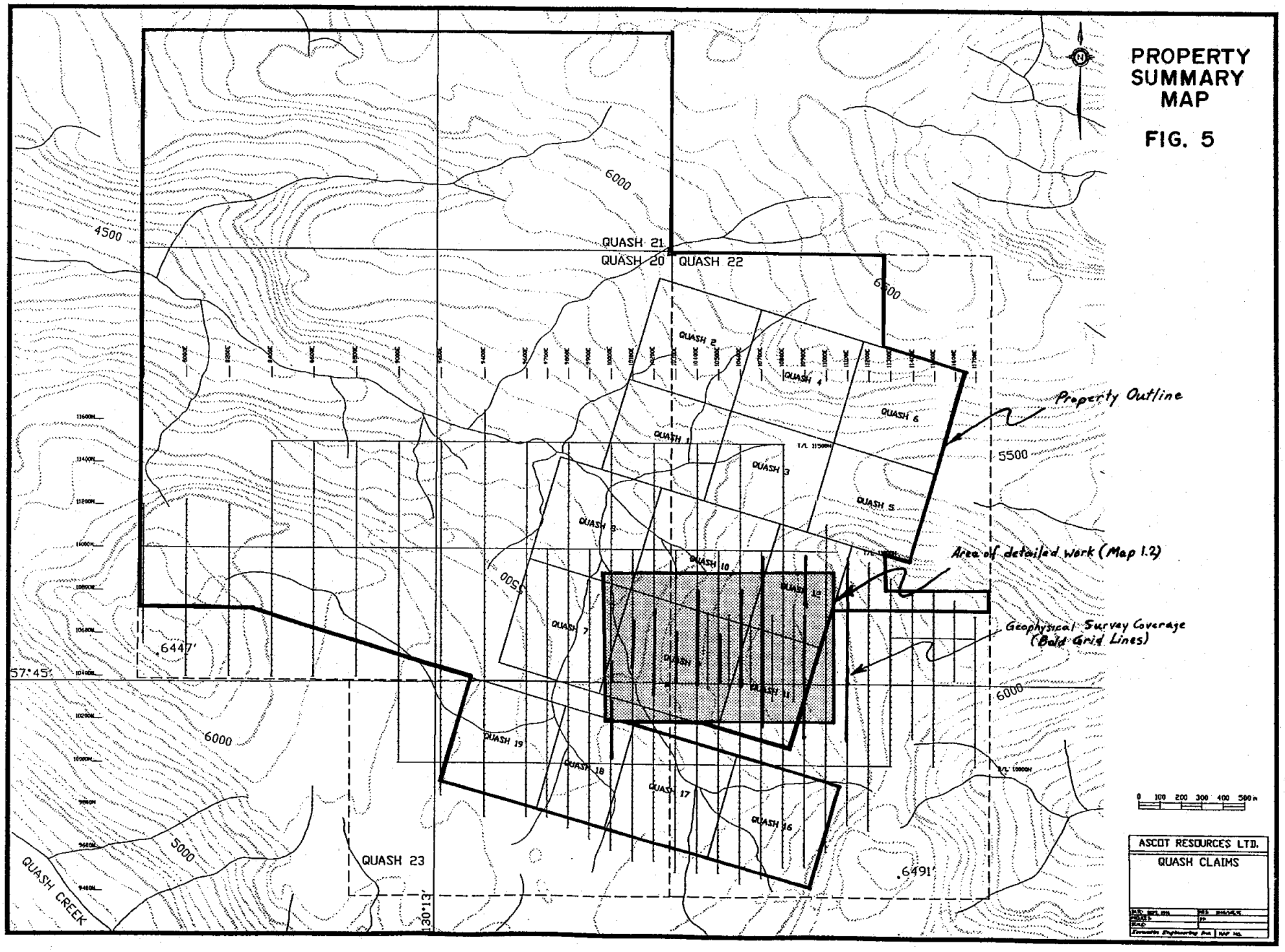
4.5 Geochemical Program

4.5.1. Program

A total of 203 soil samples were collected at grid stations spaced at 25 m intervals on the newly established lines as described above in section 3.2. Soil profile examinations indicated a good B soil horizon development with minimal overlying A horizon. Soil samples were collected from the top of the B horizon at an average depth of 25 to 30 cm. All samples were analyzed by Min-En Laboratories Ltd. for seven element ICP and fire assay with AA finish for gold. Analytical techniques are listed in Appendix VII.

4.5.2 Results

The eastern extension of the grid did not outline any highly anomalous geochemical targets. The overall trend of Noranda's 'North Zone', with one 216 ppb Au spot high and anomalous (10-100 ppb Au) east-west trend, was extended 400 m to the east. Diorite subcrop was mapped in the area of the anomaly. Although not observed in outcrop, it is possible that the North anomaly is related to a mineralized zone along the diorite contact. This 'anomaly' is not considered to be a very favourable exploration target.


PROPERTY SUMMARY MAP
FIG. 5
QUASH 21
QUASH 20
QUASH 22
QUASH 23
QUASH 1
QUASH 2
QUASH 3
QUASH 4
QUASH 5
QUASH 6
QUASH 7
QUASH 8
QUASH 9
QUASH 10
QUASH 11
QUASH 12
QUASH 13
QUASH 14
QUASH 15
QUASH 16
QUASH 17
QUASH 18
QUASH 19
Property Outline
Area of detailed work (Map 1.2)
Geophysical Survey Coverage (Bold Grid Lines)
6000
5500
5000
4500
6447'
6491'
57°45'
130°13'
QUASH CREEK
0 100 200 300 400 500 m
ASCOT RESOURCES LTD.
QUASH CLAIMS

The 'central' anomaly, displays elevated Pb, Zn, Ag values but lacks anomalous Au values. In-fill 50 m spaced soil lines were established and sampled between the existing 100 m spaced lines at a sample interval of 25 metres. These additional lines confirmed and more accurately defined the shape of the central anomaly. The overall trend is slightly north of east-west. The core of the anomaly has values in soil which range up to 6,581 ppm Zn, 985 ppm Pb and 10.5 ppm Ag between L10,600E and 10,900E from 10,450N to 10,625N (Maps 2.4, 2.2 and 4). A 35 m trench was excavated between L10700E and L10750E in the core of this Pb/Zn/Ag anomaly (Figure 5.1). Examination of outcrop, float and the trench has determined that the probable source of the geochem anomaly is galena and sphalerite mineralized iron carbonate veinlets, stringers and fracture in-fillings which crosscut a light green well bedded siliceous siltstone host rock. Chip samples returned elevated lead, zinc and silver values (see Figure 6).

4.6 Geophysics

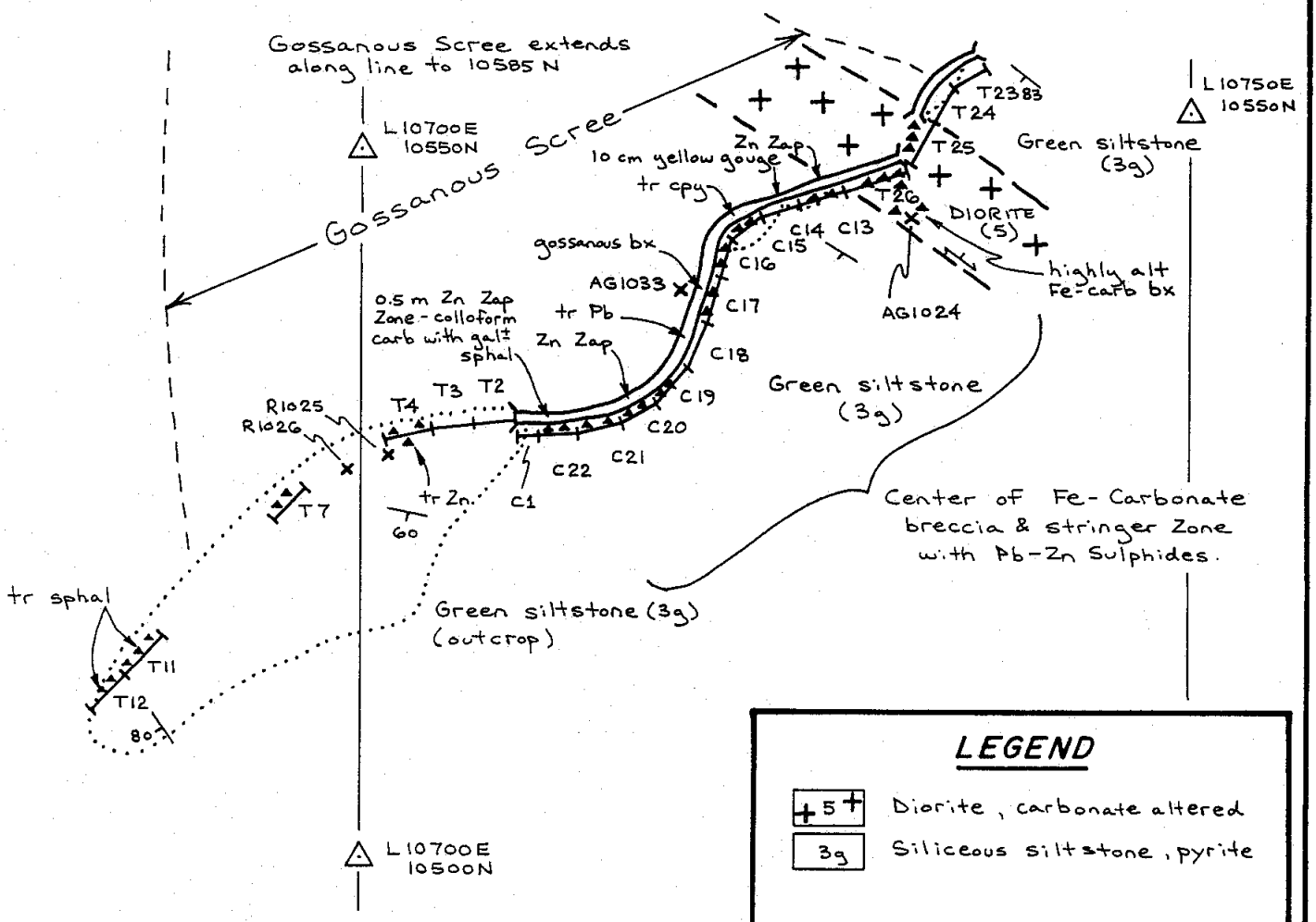
4.6.1 Program

Geophysical work was carried out by Scott Geophysics Ltd. of Vancouver, B.C. Detailed specifications and a brief geophysical report are found in Appendix VI. A total of 6.9 line-km of Induced Polarization and magnetic surveys were carried out over the central geochem anomaly. Lines were initially surveyed at 200 m spacings and then in-fill lines added at 100 m spacings along the trend of the anomaly. A detailed pole dipole electrode array was used with an "a" spacing of 25 metres for n = 1-5.

4.6.2 Results

An east-west trending moderate chargeability high was identified (see Map 4 and Appendix VII; Chargeability Contour Plan Map, n=1). The anomaly narrows in width and increases in intensity to the west. The outline of the anomaly (>15 mV/V contour) is generally coincident with the outcrop pattern of a siliceous siltstone and tuff unit, 3g (Map 4). A 38 metre trench was hand excavated over the strongest part of the chargeability anomaly on L10,400E from 10,471N to 10,509N (Figure 5.2). The higher chargeabilities and resistivities

SAMPLE NUMBER	Type width(metres)	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91E0155C1	chip(2.0)	Siltstone,Fe-Carb infilled fractures	4	2	101	171	603	249	2	1
91E0155T2	chip(3.0)	Siltstone,Fe-Carb infilled fractures	4	0	38	116	355	89	1	1
91E0155T3	chip(3.0)	Siltstone,Fe-Carb infilled fractures	6	3	54	237	745	128	1	1
91E0155T4	chip(3.0)	Siltstone,Fe-Carb infilled fractures	3	2	28	305	906	75	1	1
91E0155T7	chip(3.0)	Siltstone,Fe-Carb infilled fractures	2	1	52	191	658	22	1	1
91E0155T11	chip(3.0)	Siltstone,Fe-Carb infilled fractures	1	1	28	197	733	10	1	1
91E0155T12	chip(3.0)	Siltstone,Fe-Carb infilled fractures	4	0	23	105	415	7	1	1
91E0155C13	chip(3.0)	Siltstone,Fe-Carb infilled fractures	5	1	34	97	329	23	1	1
91E0155C14	chip(3.0)	Siltstone,Fe-Carb infilled fractures	12	3	36	277	1114	27	3	3
91E0155C15	chip(3.0)	Siltstone,Fe-Carb infilled fractures	10	3	65	529	2141	25	4	2
91E0155C16	chip(3.0)	Siltstone,Fe-Carb infilled fractures	14	4	59	641	2450	77	4	1
91E0155C17	chip(3.0)	Siltstone,Fe-Carb infilled fractures	2	3	44	762	3906	33	5	2
91E0155C18	chip(3.0)	Siltstone,Fe-Carb infilled fractures	37	1	39	445	1555	27	1	1
91E0155C19	chip(3.0)	Siltstone,Fe-Carb infilled fractures	2	4	106	379	1614	34	3	1
91E0155C20	chip(3.0)	Siltstone,Fe-Carb infilled fractures	1	6	122	1020	3101	40	7	2
91E0155C21	chip(3.0)	Siltstone,Fe-Carb infilled fractures	1	3	156	411	1659	18	3	1
91E0155C22	chip(3.0)	Siltstone,Fe-Carb infilled fractures	2	6	121	1088	4417	32	6	2
91E0155T23	chip(3.0)	Siltstone,Fe-Carb infilled fractures	2	0	75	47	252	1	1	1
91E0155T24	chip(3.0)	Siltstone,Fe-Carb infilled fractures	1	0	76	99	344	2	1	1
91E0155T25	chip(3.0)	Siltstone,Fe-Carb infilled fractures	5	1	48	224	857	11	1	1
91E0155T26	chip(3.0)	Fe-Carb infilled fractures, breccia	2	0	9	35	58	1	1	1



LEGEND

- +5+ — Diorite, carbonate altered
- 3g — Siliceous siltstone, pyrite
- Outcrop
- Trench
- Rock chip sample
- Fe-carbonate stringers ± breccia ± Pb/Zn
- Bedding

0 5 10 15 20 25 m

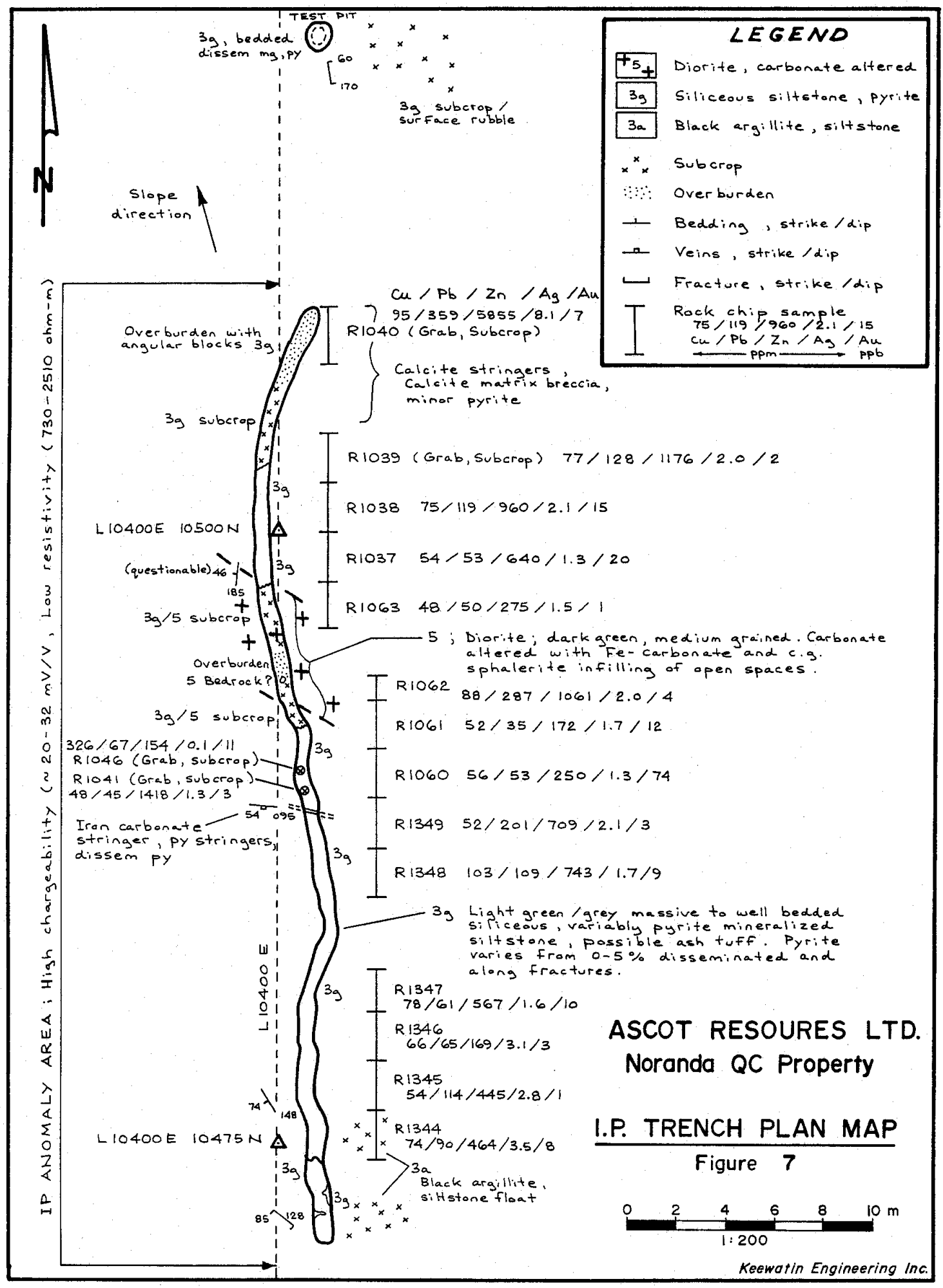
ASCOT RESOURES LTD.

Noranda QC Property

GEOCHEM TRENCH PLAN MAP

Figure 6

Keewatin Engineering Inc.


TEST PIT
3g, bedded dissem mg, PY
60
170
3g subcrop / surface rubble
N
Slope direction
LEGEND
5 Diorite, carbonate altered
3g Siliceous siltstone, pyrite
3a Black argillite, siltstone
Subcrop
Overburden
Bedding, strike/dip
Veins, strike/dip
Fracture, strike/dip
Rock chip sample
75/119/960/2.1/15
Cu / Pb / Zn / Ag / Au
ppm
ppb
IP ANOMALY AREA; High chargeability (~20-32 mV/V, Low resistivity (730-2510 ohm-m)
Cu / Pb / Zn / Ag / Au
95/359/5855/8.1/7
R1040 (Grab, Subcrop)
Calcite stringers, Calcite matrix breccia, minor pyrite
Overburden with angular blocks 3g
3g subcrop
R1039 (Grab, Subcrop) 77/128/1176/2.0/2
3g
R1038 75/119/960/2.1/15
L10400E 10500N
(questionable) 46
185
3g
R1037 54/53/640/1.3/20
3g/5 subcrop
R1063 48/50/275/1.5/1
5; Diorite; dark green, medium grained. Carbonate altered with Fe-carbonate and c.g. sphalerite infilling of open spaces.
Overburden
5 Bedrock?
R1062 88/287/1061/2.0/4
3g/5 subcrop
R1061 52/35/172/1.7/12
326/67/154/0.1/11
R1046 (Grab, subcrop)
R1041 (Grab, subcrop)
48/45/1418/1.3/3
3g
R1060 56/53/250/1.3/74
Iron carbonate stringer, py stringers, dissem py
54
095
R1349 52/201/709/2.1/3
3g
R1348 103/109/743/1.7/9
3g Light green/grey massive to well bedded siliceous, variably pyrite mineralized siltstone, possible ash tuff. Pyrite varies from 0-5% disseminated and along fractures.
L10400E
3g
R1347 78/61/567/1.6/10
R1346 66/65/169/3.1/3
R1345 54/114/445/2.8/1
74
148
L10400E 10475N
R1344 74/90/464/3.5/8
3g
3a Black argillite, siltstone float
3g
85
128
ASCOT RESOURCES LTD.
Noranda QC Property
I.P. TRENCH PLAN MAP
Figure 7
0 2 4 6 8 10 m
1:200
Keewatin Engineering Inc.

appear to be related to disseminated and fracture in-fill pyrite (up to 5%) with lesser disseminated galena and possibly sphalerite (<1%). Iron carbonate stringers and a carbonate altered dyke were also exposed. The chargeability anomaly is interpreted to be related to the structurally controlled, and to a lesser extent primary, pyrite within the siliceous siltstones. The trend of the anomaly (east-west) is perpendicular to the strike of bedding in the IP trench area (Figure 7).

4.7 Trenching

4.7.1 Program

Two hand dug trenches were excavated on the Noranda QC property, a 38 m x 1 m trench over the strongest chargeability anomaly (Figure 7) and a 35 m x 1 m trench in the core of the coincident Ag/Pb/Zn soil geochemical anomaly (Figure 6). A combined total of approximately 80 cubic metres of material was excavated from the two trenches. The IP anomaly trench is described above in section 4.5.2. Both trenches were chip sampled at 2 or 3 metre intervals. Disseminated fine grained pyrite, galena and sphalerite were seen in minor concentrations in both locations. Northwest trending galena and sphalerite mineralized carbonate stringers and veinlets were seen to crosscut the siltstones and diorite dykes. Values up to 74 ppb Au, 6 ppm Ag, 326 ppm Cu, 1,088 ppm Pb and 5,855 ppm Zn were returned from the trenching. It is felt that these weakly mineralized carbonate stringers are the main source of the 'central' soil geochem anomaly.

5.0 CONCLUSIONS

Geological mapping, geochemical soil sampling, induced polarization, magnetic surveys, and trenching were conducted on the southeastern part of the Noranda QC property. Mapping indicated that favourable volcanic and sedimentary rocks underlies the property. The majority of the southeastern part of the property is underlain by various sediments and numerous northwest trending dioritic dykes.

The base metal geochemical 'central' anomaly outlined by the Noranda 1990 field program was confirmed and better defined by further in-fill soil sample lines. Mapping and trenching of the anomaly indicated the probable source to be sphalerite, galena and pyrite mineralized iron carbonate stringers, veinlets and fracture in-fillings. Minor amounts of disseminated fine grained galena, and possible sphalerite, hosted within the light green siliceous siltstone unit (3g) were observed, and considered a secondary, lesser source of the base metal geochemical anomaly.

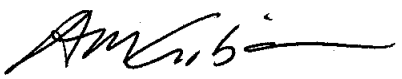
The geophysical survey delineated a moderate chargeability anomaly coincident with the interpreted outline of the above-mentioned siliceous siltstone unit. Trenching over the highest chargeability response exposed disseminated fine grained pyrite and fine pyritic fracture in-fillings within the siltstones. The bedding was seen to strike north-south, whereas the chargeability anomaly trends more east-westerly. Thus the core of the chargeability anomaly appears to be related to the structurally controlled pyritic fractures crosscutting stratigraphy not to any stratiform mineralization.

6.0 RECOMMENDATIONS

Based on observations and results from the 1991 field program, no further work is recommended on the Noranda QC property at this time.

Respectfully submitted,

KEEWATIN ENGINEERING INC.



Alexander M. Gibson, B.Sc.,
Geologist

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APPENDIX I

Statement of Qualifications

STATEMENT OF QUALIFICATIONS

I, ALEXANDER M. GIBSON, of 555 E. St. James Road in the District of North Vancouver in the Province of British Columbia, do hereby certify that:

1) I am a graduate of the University of British Columbia, B.Sc. Geology (1988) and have practised my profession continuously since graduation.

2) I am a member of the Geological Association of Canada.

3) I am presently employed on contract with the firm of Keewatin Engineering Inc., with offices at Suite 800 - 900 West Hastings Street, Vancouver, British Columbia.

4) During the period of July - August 1991, I managed and carried out the exploration program on the Noranda Quash Creek Property on behalf of Ascot Resources Ltd. and Noranda Exploration Company Limited.

5) I do not own or expect to receive any interest (direct, indirect or contingent) in the property described herein nor in the securities of Ascot Resources Ltd. in respect of services rendered in the preparation of this report.

Dated at Vancouver, British Columbia this 30th day of October, 1991.

Respectfully submitted,

Alexander M. Gibson, B.Sc.

APPENDIX II

Summary of Field Personnel

SUMMARY OF FIELD PERSONNEL

Name	Position	Sampler Code	No. Days Worked
R. Nichols	Project Supervisor		2.0
E. Olfert	Senior Geologist	EO	9.5
A. Gibson	Project Geologist	AG	22.5
F. Ferguson	Surveyor	FF	0.5
T. Shephard	Prospector	RS	6.0
C. Anderson	Sampler	CC	8.0
M. Brown	Sampler	MB	1.0
F. Depey	Sampler	FD	8.0
G. Nagy	Sampler	GN	1.0
B. Richardson	Sampler	BR	1.0
S. Sheffield	Sampler	SS	4.5
C. Thompson	Sampler	CT	4.5

APPENDIX III

Statement of Expenditures

STATEMENT OF EXPENDITURES

Pre-Field (maps, reports, permitting, equipment procurement)			**$ 3,020.00**
Field Program			
Personnel		$27,515.00	
Supervision		1,700.00	
Camp Support			
Camp Costs	$7,710.00		
Fuel	96.89		
Expediting and Freight	1,332.57		
Communications	37.88		
Geophysics	11,026.73	20,204.07	
Transportation			
Fixed Wing and Travel	$1,260.03		
Helicopter	11,352.00	12,612.03	
Geochemical Analyses		3,874.42	
Field Equipment		406.73	**$66,312.24**
Post-Field (report writing, drafting, word processing, reproduction)			**$ 4,732.00**
TOTAL:			**$74,064.25**

APPENDIX IV

Rock Descriptions and Results
Silt Descriptions
Soil Descriptions

KEEWATIN ENGINEERING INC ROCK SAMPLE DESCRIPTIONS

PROJECT: NORANDA QUASH CREEK RESULTS PLOTTED BY: A.M. GIBSON

SAMPLE NUMBER	LOCATION NOTES	ROCK TYPE	Type width(m)	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91EO155C1	geochem trench area	Siltstone	chip(2.0)	Siltstone,Fe-Carb infilled fractures	4	2	101	171	603	249	2	1
91EO155T2	(10725E,10550N)	Siltstone	chip(3.0)	Siltstone,Fe-Carb infilled fractures	4	0	38	116	355	89	1	1
91EO155T3	geochem trench area	Siltstone	chip(3.0)	Siltstone,Fe-Carb infilled fractures	6	3	54	237	745	128	1	1
91EO155T4	geochem trench area	Siltstone	chip(3.0)	Siltstone,Fe-Carb infilled fractures	3	2	28	305	906	75	1	1
91EO155T7	geochem trench area	Siltstone	chip(3.0)	Siltstone,Fe-Carb infilled fractures	2	1	52	191	658	22	1	1
91EO155T11	geochem trench area	Siltstone	chip(3.0)	Siltstone,Fe-Carb infilled fractures	1	1	28	197	733	10	1	1
91EO155T12	geochem trench area	Siltstone	chip(3.0)	Siltstone,Fe-Carb infilled fractures	4	0	23	105	415	7	1	1
91EO155C13	geochem trench area	Siltstone	chip(3.0)	Siltstone,Fe-Carb infilled fractures	5	1	34	97	329	23	1	1
91EO155C14	geochem trench area	Siltstone	chip(3.0)	Siltstone,Fe-Carb infilled fractures	12	3	36	277	1114	27	3	3
91EO155C15	geochem trench area	Siltstone	chip(3.0)	Siltstone,Fe-Carb infilled fractures	10	3	65	529	2141	25	4	2
91EO155C16	geochem trench area	Siltstone	chip(3.0)	Siltstone,Fe-Carb infilled fractures	14	4	59	641	2450	77	4	1
91EO155C17	geochem trench area	Siltstone	chip(3.0)	Siltstone,Fe-Carb infilled fractures	2	3	44	762	3906	33	5	2
91EO155C18	geochem trench area	Siltstone	chip(3.0)	Siltstone,Fe-Carb infilled fractures	37	1	39	445	1555	27	1	1
91EO155C19	geochem trench area	Siltstone	chip(3.0)	Siltstone,Fe-Carb infilled fractures	2	4	106	379	1614	34	3	1
91EO155C20	geochem trench area	Siltstone	chip(3.0)	Siltstone,Fe-Carb infilled fractures	1	6	122	1020	3101	40	7	2
91EO155C21	geochem trench area	Siltstone	chip(3.0)	Siltstone,Fe-Carb infilled fractures	1	3	156	411	1659	18	3	1
91EO155C22	geochem trench area	Siltstone	chip(3.0)	Siltstone,Fe-Carb infilled fractures	2	6	121	1088	4417	32	6	2
91EO155T23	geochem trench area	Siltstone	chip(3.0)	Siltstone,Fe-Carb infilled fractures	2	0	75	47	252	1	1	1
91EO155T24	geochem trench area	Siltstone	chip(3.0)	Siltstone,Fe-Carb infilled fractures	1	0	76	99	344	2	1	1
91EO155T25	geochem trench area	Siltstone	chip(3.0)	Siltstone,Fe-Carb infilled fractures	5	1	48	224	857	11	1	1
91EO155T26	geochem trench area	Diorite	chip(3.0)	Fe-Carb infilled fractures, breccia	2	0	9	35	58	1	1	1
91-AG-155-R-0990	10285E, 9735N	Barite/QV	Float	Bladed barite, qtz. 5% cg sphal	49	7	656	58	56457	48	24	10
91-AG-155-R-0991	10275E, 9750N	Barite/QV	Float	Ba qtz Vn, 5% cg sphal 2-3% diss py volc frags	34	5	1019	44	49108	47	19	11
91-AG-155-R-0992	(Ba Vn,Subcrop Area)	Qtz Stk, Str	Float	Qtz/Barite strs in silic, carb alt volc	16	7	6983	14	889	29	8	2
91-AG-155-R-0993	(Ba Vn,Subcrop Area)	Qtz Stk, Str	Float	Qtz str stockwork, 2-3% dissem Cp	32	3	2146	12	592	36	4	6
91-AG-155-R-0994	(Ba Vn,Subcrop Area)	Qtz Stk, Str	Float	Qtz str stockwork, 1-2% dissem Cp	25	4	3903	14	230	37	6	7
91-AG-155-R-0995	(Ba Vn,Subcrop Area)	Barite/Qtz Vn	Float	0.25m Qtz/Barite Vn 2% Cp, possible Sphal	43	3	1927	11	174	26	4	3
91-AG-155-R-0996	(Ba Vn,Subcrop Area)	Altered Volc.	Float	Qtz/carb/barite strs,5-10% mg-cg sphal	28	15	287	64	175700	72	45	19
91-AG-155-R-0997	(Ba Vn,Subcrop Area)	Altered Volc.	Float	Barite strs.5-10% sphal as strs,dissem	153	7	520	56	54615	34	21	11
91-AG-155-R-0998	(Ba Vn,Subcrop Area)	Barite/Qtz Vn	Float	5% dissem py, 1-2% fg cp 5% diss sphal	140	3	2119	50	19998	188	13	7
91-AG155R0999	10650E, 10652N	Siltstone	Subcrop	Black fg siliceous siltstone 2-3% py	2	1	129	9	52	1	1	4

KEEWATIN ENGINEERING INC ROCK SAMPLE DESCRIPTIONS

PROJECT: NORANDA QUASH CREEK RESULTS PLOTTED BY: A.M. GIBSON

SAMPLE NUMBER	LOCATION NOTES	ROCK TYPE	Type width(m)	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91-AG155R1000	10552E, 10752N	Andesite Breccia	grab	Carb alt andesite brx x-cut by barite strs	68	2	54	233	2730	2755	8	1
91-AG155R1001	10500E, 10925N	Carbonate Str	float	Blk, fg silic arg brx, Cp min in strs	26	6	1891	120	106	50	23	94
91-AG155R1002	10695E, 10675N	Felsic (dyke?)	float	Fg, `sucrosic' text, Fe stained cream color	2	0	22	8	29	26	1	7
91-AG155R1003	10695E, 10680N	Felsic Tuff?	float	Siliceous tuff, hbl crystals partially py replaced	4	1	125	4	33	8	1	5
91-AG155R1004	11096E, 10890N	Barite Vn	float	Barite/carb Vn, Volc host, <1% Cp	5	13	244	10083	15501	1	27	1
91-AG155R1005	11200E, 10745N	Felsic Volc	float	Green, flow banded 2-3% mg py	1	2	16	242	444	2	1	3
91-AG155R1006	11275E, 10070N	Carb Alt Volc	subcrop	Intermediate volc, 5% diss mg sphal 2% galena 3% py	108	45	298	7057	39187	86	104	17
91-AG155R1007	11275E, 10070N	Carb Alt Volc	float	Intermediate volc, 2cm sphal str (5-10%) py	119	36	341	6562	177949	111	84	17
91AG155R1023	Bf Trench	Felsic dyke	chip 0.6m	Lgt.green,carb alt, flow banded. Barite strs with 2% sphal	34	2	60	354	15821	17	5	4
91AG155R1024	10620E, 10525N	Barite, Carb Vn	grab	Iron carb, barite vein alt tuff breccia	17	1	13	35	334	23	1	1
91AG155R1025	10700E, 10525N	siltstone	grab	fine bedded, siliceous, <1% dissem galena, sphal	13	4	67	384	796	63	1	1
91AG155R1026	10700E, 10525N	siltstone	grab	fine bedded siliceons siltstone	9	3	66	165	243	22	1	1
91AG155R1027	10100E, 10450N	siltstone	grab	Carb alt slst/wacke fig dissem py 2-3%	2	1	35	113	259	19	1	1
91AG155R1028	10160E, 10360N	siltstone	grab	Possible ash tuff trace py, sphal, galena, Cp	8	1	31	57	215	8	1	3
91AG155R1029	10590E, 10320N	siltstone	subcrop	Siliceous slst, sst 1% fg py on fractures	16	1	88	10	177	1	1	1
91AG155R1030	10585E, 10515N	Iron carb Vn	subcrop	Hydrozincite fract contings,2-3%sphal <1% galena,Cp	12	3	30	413	8677	85	2	1
91AG155R1031	10584E, 10514N	Fe Carb Vn	subcrop	Up to 10% cg sphal in carb Vn/brxx, 2% galena	37	4	25	1025	6575	721	13	1
91AG155R1032		Felsic Volc	subcrop	Carb alt, massive dyke? Fe stained, 1% Cp	18	0	12	34	216	45	1	2
91AG155R1033	10720E, 10530N	Carb-barite Brx	grab	0.15cm width, 2% sphal in carb strg <1% cp	5	18	89	716	16492	56	24	12
91AG155R1034	11200E, 10450N	Quartz Vn	float	Vuggy, 0.25m boulders, 1-2% dissem py	9	0	17	13	212	32	4	6
91AG155R1035	11000E, 10530N	All Dior Dyke	grab	Pyritic, gossanous zone, 15% fg dissem py	13	0	264	27	204	7	1	1
91AG155R1036	11000E, 10400N	Sst/Slst	subcrop	Siliceous Sst, slst, bedded py, dissem py (5%)	8	0	282	21	79	1	1	1
91AG155C1037	IP Trench	Siltstone	chip (2.0)	Massive poorly bedded, <1% py, red oxide	20	1	54	53	640	50	1	1
91AG155C1038	IP Trench	Siltstone	chip (2.0)	Well fractured, <1% dissem py, py on fractures	15	2	75	119	960	39	2	1
91AG155R1039	IP Trench	Siltstone	comp grab	Well bedded slst/tuff with fg diss py, poss. sphal	2	2	77	128	1176	41	2	2
91AG155R1040	IP Trench	Siltstone	comp grab	Subcrop Fe carb qtz strs in siltstone/tuff dissem sphal	7	8	95	359	5855	206	14	11
91AG155R1041	IP Trench 18m	Diorite	subcrop	Carb alt, hbl/fspar phenos carb alt cg sphal in carb	3	1	48	45	1418	25	1	3
91AG155R1042	10500E, 10500N	Diorite	subcrop	Carb alt, hbl/fspar phens carb alt no sphal	2	1	31	51	268	24	2	1
91AG155R1044	10490E, 10455N	Diorite	subcrop	Carb alt, 1-2% py	1	1	17	34	91	6	1	1
91AG155R1045	10495E, 10490N	Diorite	subcrop	Carbalt, oxidized, py along fractures	3	3	112	56	242	34	4	3
91AG155R1046	IP Trench 19m	Diorite	subcrop	Carb alt, dissem to banded py (20%)	11	0	326	67	154	23	1	1

KEEWATIN ENGINEERING INC ROCK SAMPLE DESCRIPTIONS

PROJECT: NORANDA QUASH CREEK RESULTS PLOTTED BY: A.M. GIBSON

SAMPLE NUMBER	LOCATION NOTES	ROCK TYPE	Type width(m)	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91AG155R1047	10780E, 10730N	Diorite Brx	subcrop	Calcite matrix, dyke brx, 10% cg py in calcite	780	2	15	3	9	230	1	1
91AG155R1056	NW corner	Gossan	Talus	Limonitic volc.? cg fe carb crystals	14	1	106	11	46	8	1	1
91RS155R1060	IP Trench, 18-20m	Siltstone	subcrop (2.0m)	Silic bedded, calcite strs, diss py on fracts, 2-5%	74	1	56	53	250	30	2	2
91RS155R1061	IP Trench, 20-22m	Siltstone	chip (2.0m)	Silic bedded, calcite strs, diss py on fracts, 2-5%	12	2	52	35	172	44	3	1
91RS155R1062	IP Trench, 22-23m	Siltstone	subcrop (1.0m)	Silic alt slst, <5% dissem, fg py	4	2	88	287	1061	30	3	1
91RS155R1063	IP Trench, 25-27m	Diorite	subcrop (2.0m)	Diorite ang boulders from subcrop, non min	1	2	48	50	275	37	3	3
AG155R1092	10400E, 9775N	Barite Vn	float	Barite-carb vein, 3% sphal, 5% py	6	1	184	30	6084	52	3	4
AG155R1093	GV Trench	Limestone	chip (0.8m)	Grey crystalline lmst, 5% galena, 2% py, sphal	630	110	482	29639	16934	368	53	5
AG155R1094	10500E, 10725N	Diorite	float	Malachite stained, trace py on fractures	12	3	362	736	359	308	6	1
AG155R1095	10825E, 10775N	Diorite	float	Dark green silicified dyke, 30% banded py	70	0	503	98	130	1	1	1
AG155R1096	10827E, 10775N	Diorite	float	Dark green silicified dyke, 30% banded py	140	0	445	8	48	1	1	1
AG155R1097	10025E, 10640N	Carbonate Vn	subcrop	Carb vein in argillite, 10% sphal, 5% galena	1000	17	574	5431	38033	797	48	4
AG155R1098	10775E, 10790N	Diorite	float	Carb alt dyke? x-cut by barite carb veins	142	3	123	423	2551	237	3	4
AG155R1099	10775E, 10790N	Diorite	float	Silicified, carb alt diorite py boxwork, blebs	49	1	68	54	146	68	1	8
91-EO-155-R-1170	11150E, 10850N	Siltstone	float	Volcaniclastic to cherty slst, 1-2% diss py	1	1	95	3	273	39	1	1
91-EO-155-R-1171	10050E, 10600N	Felsic Dyke?	float	Gossanous angular float, within siltstone float	3	0	13	6	104	15	1	2
91-EO-155-R-1172	10075E, 10525N	Intermed Volc	grab	Siliceous intermed flow? 1% diss py	10	1	15	24	182	28	1	2
91-RS-155-R-1300	11600E, 10350N	Andesite	grab	Siliceous massive to fragmental text 4% diss py	1	0	71	7	184	26	5	1
91-RS-155-R-1301	10400E, 9750N	Andesite	float	Volcaniclastic, 2% diss py, 2mm qtz/calcite strs	96	1	33	5	85	25	1	1
91-RS-155-R-1302	10400E, 9820N	Volc Breccia	float	Qtz/barite str/brx 1% Cp, py	13	2	786	17	12519	191	6	13
91-RS-155-R-1303	10400E, 9820N	Felsic Volc	float	Carb alt 1-2% diss mg Cp, mal stained	19	2	1037	7	128	46	2	3
91-RS-155-R-1304	10400E, 10650N	Felsic Volc	float	Carb alt <1% dissem py	3	2	79	64	370	33	1	5
91-RS-155-R-1305	10400E, 10660N	Intermed. Volc.	Float	Silicified, 4% fg dissem py	1	2	78	1	127	26	1	1
91-CC-155-R-1311	10075E, 9850N	Andesite	Float	Malachite stained, 1% diss fg py	8	1	2584	8	917	20	1	19
91-CC-155-R-1312	10240E, 11000N	Argillite	Grab	Malachite stained, <1% idss fg py, cp	12	2	873	7	217	28	14	5
91RS155R1344	IP trench 3.3-5.3m	Siltstone	Chip (2.0m)	Silicified siltstone <2% diss fg py	8	4	74	90	464	36	5	1
91RS155R1345	IP trench 5.3-7.3m	Siltstone	Chip (2.0m)	Bedded siltstone <1% diss fg py, silicified	1	3	54	114	445	23	4	2
91RS155R1346	IP Trench 7.3-9.3m	Siltstone	Chip (2.0m)	Silic, lt green well bedded, 2-5% diss fg py on fracts	3	3	66	65	169	25	6	3
91RS155R1347	IP Trench 9.3-11.3m	Siltstone	Chip (2.0m)	Silic, lt green well bedded, 2-5% diss fg py on fracts	10	2	78	61	567	38	2	2
91RS155R1348	IP Trench 14.0-16.0m	Siltstone	Chip (2.0m)	Silic, lt green well bedded, 2-5% diss fg py on fracts	9	2	103	109	743	39	3	2
91RS155R1349	IP Trench 16.0-18.0m	Siltstone	Chip (2.0m)	Siltstone, 4cm py mineralized carb str (4% mg py)	3	2	52	201	709	218	15	3

KEEWATIN ENGINEERING INC ROCK SAMPLE DESCRIPTIONS

PROJECT: NORANDA QUASH CREEK RESULTS PLOTTED BY: A.M. GIBSON

SAMPLE NUMBER	LOCATION NOTES	ROCK TYPE	Type width(m)	Description	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91EO155R1458	NE Ridge, 5650'	Intrusive	grab	Fe carb altered intrusive, oxidized	6	1	107	1	48	1	1	1
91EO155R1459	NE Ridge, 5900'	Mafic dyke	grab	Mafic dyke @ contact 080/82N Dissem fg py, magnetite	12	1	110	12	354	1	1	1
91EO155R1460	NE Ridge, 6100'	Fe Cc shear zone	grab	Iron carbonate shear zone, trace sulphides	14	2	28	48	47	38	3	2
91EO155R1461	NE Ridge, 6060'	Carb alt seds	grab	Gossan zone dissem sulphides in iron carbonate alteration	13	1	58	26	123	36	1	7
91EO155R1462	NE Ridge, 5800'	Diorite		Py mineralized, oxidized diorite (3-4% dissem py)	9	1	155	8	46	1	1	1

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: 155 Results Plotted By:

Area (Grid): N. Near Pass. Map: N.T.S.:

Collectors: E. OLFERT Date: Aug 4th/91

Sample Number	NOTES	SEDIMENT DATA					STREAM DATA					SPRING	DRY GULLY				
		Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity						
EO-91-	155-L001																
	drains sediments at N-end of property Fe weathered Sandstone, Silt stone.	20	50	30					2"	4"	mod.						

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: RJ # 155 — Results Plotted By: _____

Area (Grid): Noranda - Quash Creek — Map: _____ N.T.S.: _____

Collectors: Colin Anderson - CC — Date July 8/91

Sample Number	Sample Location		Notes	Topography				Vegetation						Soil Data						
	Line	Station		Valley Bottom	Direction of slope	Hill Top	Level Ground	Heavily Wooded	Sparsely Wooded	Burnt Bare Rock	Logged	Grassland	Swampy	Horizon Sampled	Depth to Horizon Sample CM	Horizon Development: Good	Horizon Development: Poor	Parent Material: Drift	Parent Material: Bedrock	Colour
	11300E	10525N	60% Sand 20% Silt 20% Angular Rock Frag		W					/				~~B~~	35		/			B
	11300E	10550N	" " "		W					/				~~B~~	20		/			B
	11300E	10575N	40% Sand 20% Silt 40% Angular RF		W					/				B	20		/			B
	11300E	10600N	N/A Sample - Snow Field																	
	11300E	10625N	"																	
	11300E	10650N	80% Sand 5% Silt 15% Angular		W					/				B	15		/			B
	11300E	10675N	N/A Sample - Snow Field																	
	11300E	10700N	"																	
	11300E	10725N	45% Sand 45% Silt 10% Angular RF		S					/				B	25		/			
	11300E	10750N	20% Sand 50% Silt 30% Angular RF		SW							/		B	30		/			
	11300E	10775N	40% Sand 40% Silt 20% Angular RF		W							/		B	25		/			
	11300E	10800N	50% Sand 10% Silt 30% " "		W							/		B	35		/			
	11300E	10825N	40% Sand 40% Silt 15% " "		W							/		B	30		/			
	11300E	10850N	75% Sand 10% Silt 15% " "		W							/		B	30		/			
	11300E	10875N	40% Sand 40% Silt 10% " "		W							/		B	20		/			

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: 155 QC — Results Plotted By: _____

Area (Grid): _____ — Map: _____ N.T.S.: _____

Collectors: Steve Sheffield SS — Date Aug 13/91

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
91SS1SSS-	10+850E	3+25 N	50% 1-5cm ang frags	5°	W							✓		B	30		✓		✓	DB
		3+75 N	10% 1-2cm frags	5°	W							✓		B	30		✓		✓	DB
		4+25 N	subcrop scree field	15°	W							✓		B	20		✓		✓	DB
		4+75 N	2-4cm frags	15°	SW							✓		B	30	✓			✓	MDB
		5+25 N	50% 2-5cm frags	10°	W							✓		B	15		✓		✓	DB
		5+75 N	N side of small ridge	25°	NW							✓		B	20		✓		✓	MDB
		6+25 N	in subcrop scree field	15°	NW							✓		B	20		✓		✓	MDB
↓	↓	6+75 N	50% 0.5cm frags	15°	NW							✓		B	20		✓		✓	DB
91SS1SSS-	10+750E	3+25 N	subcrop scree slope									✓		B	20		✓		✓	DB
		3+75 N		15°	W							✓		B	30		✓		✓	DB
		4+25 N	10% 1cm frags	25°	S							✓		B	30		✓		✓	MDB
		4+75 N	50% 1-3cm ang frags									✓		B	30	✓			✓	DB
		5+25 N	small ridge top	25	NW							✓		B	30	✓			✓	DB/LB
		5+75 N	70% 0.5cm frags	20	NW							✓		B	30		✓		✓	DB
		6+25 N	in subcrop scree slope	20	NW							✓		B	30		✓		✓	DB
↓	↓	6+75 N	in scree field 1-3cm frags	5°	W							✓		B	30		✓		✓	DB
91SS1SSS-	10+650E	3+75 N	20% 0.5-1cm frags	20	S							✓		B	25	✓			✓	MDB
		4+25 N	10% 1cm frags	5°	S							✓		B	30	✓			✓	MB
		4+75 N	50% 1-3cm ang frags N side of small ridge	25°	N							✓		B	30		✓		✓	DB
		5+25 N	20% 1-4cm frags	25	NW							✓		B	30		✓		✓	DB
		5+75 N	open subcrop field	15	W							✓		B	30		✓		✓	MDB
		6+25 N	open subcrop field	15	W							✓		B	30		✓		✓	DB
↓	↓	6+75 N	10% 1cm frags	10	SW							✓		B	30		✓		✓	PB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: 155 QC — Results Plotted By: _____

Area (Grid): _____ — Map: _____ N.T.S.: _____

Collectors: Steve Sheffield SS — Date Aug 13/91

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
91SSI55S-	10+550E	10+375N		10°	W							✓		B	30		✓		✓	DB
		10+425N	2-10cm subangular frags	10°	W							✓		B	30		✓		✓	DB
		10+475N	on ridge top 30% 1-8cm frags	15°	W							✓		B	30		✓		✓	DB
		10+525N	subcrop scree field	5°	NW							✓		B	30		✓		✓	DB
		10+575N	50% 1-3cm frags				✓					✓		B	30		✓		✓	DB
		10+625N	5m from creek(S) open subcrop scree	2°	NW							✓		B	20		✓		✓	M-DB
↓	↓	10+675N					✓					✓		B	25	✓			✓	M-DB
91SSI55S-	10+450E	10+700N	subcrop base	15	W							✓		B	20	✓			✓	MDB
		10+675N		15	W							✓		B	25		✓		✓	MDB
		10+650N		10	W							✓		B	5		✓		✓	DB
		10+625N		10	W							✓		B	25	✓			✓	M-DB
		10+600N		10°	W							✓		B	25		✓		✓	M-DB
		10+575N	open subcrop field	10°	W							✓		B	20		✓		✓	DB
		10+550N	open subcrop scree	10°	W							✓		B	30		✓		✓	DB
		10+525N	open subcrop scree	15°	N							✓		B	25		✓		✓	MDB
		10+500N		10°	W							✓		B	30		✓		✓	DB/Black
		10+475N		5°	W							✓		B	30		✓		✓	DB
		10+450N		5°	W							✓		B	50		✓		✓	DB
		10+425N		10	W							✓		B	30	✓			✓	DB
↓	↓	10+400N		10	W							✓		B	30		✓		✓	DB
NS	10+450E	10+375N	no sample																	
91SSI55S-		10+350N	open subcrop field	20°	S							✓		B	25		✓		✓	DB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: 755

Area (Grid):

Collectors: Steve Sheffield SS

Results Plotted By:

Map: N.T.S.:

Date Aug 6/91

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
91SS1555-	10+550E	10+350N	10% 1-4mm frags	5°	W							✓		B	25		✓		✓	M-DBr
		10+400N	5% 2mm frags	5°	W							✓		B	30		✓		✓	DBr
		10+450N	10% 1cm frags	15°	W							✓		B	30		✓		✓	DBr
		10+500N					✓					✓		B	30		✓		✓	Br
		10+550N	5% .5 cm frags Red brown soil				✓					✓		B	30		✓		✓	DRB
		10+600N	20% 1-4cm frags				✓					✓		B	30		✓		✓	DBr
		10+650N	15% 1-3cm frags				✓					✓		B	20		✓		✓	M-DBr
↓	↓	10+700N	5% 1-3 cm frags				✓					✓		B	25		✓		✓	Br
91SS1555-	10+650E	10+350N	40% .5-5cm frags				✓					✓		B	30		✓		✓	MDB
		10+400N	A/B mix no fragments	20°	S							✓		B/A	40		✓		✓	DBr
		10+450N	5% 1cm frags	5°	S							✓		B	30		✓		✓	DBr
		10+500N	40% 1-3cm talus	5°	W							✓		B	30		✓		✓	DB
		10+550N	100% soil	15°	N							✓		B	30		✓		✓	DB
		10+600N		5°	W							✓		B	30		✓		✓	DB
		10+650N	70% .5-1cm frags/fines	20	W							✓		B	30		✓		✓	DB
↓	↓	10+700N	50% .5-5cm frags	5°	W							✓		B	25		✓		✓	DB
91SS1555-	10+750E	10+300N	100% L .5 cm frags	10°	W							✓		B	30		✓		✓	MB
		10+350N	100% soil	15°	W							✓		B	20		✓		✓	MB
		10+400N	L .5 cm frags	15	W							✓		B	20		✓		✓	DB
		10+450N	70% talus .5-3cm	20°	S							✓		B	35		✓		✓	DB
		10+500N	100% soil				✓					✓		B	25		✓		✓	DB
		10+550N	taken in dirt patch in frag field	20°	W							✓		B	10		✓		✓	MDB
		10+600N	100% soil	15°	W							✓		B	20		✓		✓	BV
		10+650N	100% soil	15°	W							✓		B	20		✓		✓	Br
↓	↓	10+700N	6m N side of stream on outcrop	5°	W							✓		B	5		✓		✓	Br

REEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: 155 Results Plotted By:

Area (Grid): Map: N.T.S.:

Collectors: Steve Sheffield SS Date Aug 6/91

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
91SS1S5S-	10+850E	10+300N	80% 7° < .5cm frags				✓					✓		B	30		✓		✓	DB/Black
		10+350N		5°	W							✓		B	30	✓			✓	MB
		10+400N	20% 7° 1-3cm frags	15°	W							✓		B	20		✓		✓	MB
		10+450N	50% 7° 1-4cm frags	15°	S							✓		B	25		✓		✓	MB
		10+500N	100% 7° soil				✓					✓		B	30		✓		✓	DB
		10+550N					✓					✓		B	30		✓		✓	MB
		10+600N	30% 7° .5-1cm frags	20	W							✓		B	20		✓		✓	DB
↓		10+650N	100% 7° soil	20°	W							✓		B	15		✓		✓	MDB
N/S		10+700N	N/S snow / large subcrop frags																	
91SS1S5S-	↓	10+750N	10% 7° 1-3cm frags 8m S of 91NGR109S	5°	W							✓		B	25		✓		✓	MB

Project: [illegible]   Results Plotted by:

Area (Grid):   Map: N.T.S.:

Collectors: Colin Anderson - CC   Date July 9/91

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: ~~Burnt~~ Barren	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample Cm	Horizon Development: Good	Horizon Development: Poor	Parent Material: Drift	Parent Material: Bedrock	Colour
	11500E	10575 N	10% Sand 30% Silt 50% Clay 10% Ang RF		W							/		B	20		/			LRB
	"	10550 N	40% " 50% " 10% Ang RF		W					/				B	25		/			MRB
	"	10525 N	30% " 60% " 10% Ang RF		SW					/				B	15		/			LRB
	"	10500 N	30% " 60% " 10% RF		SW					/				B	15		/			MRB
	"	10475 N	40% " 40% " 10% Clay 10% RF		SW							/		B	20		/			MRB
	"	10450 N	20% " 70% " 10% Clay		SW							/		B	25		/			MRB
	"	10425 N	40% " 60% "		SW							/		B	25		/			Brown
	"	10400 N	30% " 60% " 10% Ang RF		S							/		B	25		/			Brown
	"	10375 N	10% " 80% " 10% "		S							/		B	35		/			MRB
	"	10350 N	20% " 50% " 30% "		SE					/				B	20		/			MRB
	"	10325 N	40% " 40% " 20% "		SE					/				B	35		/			Brown
	"	10300 N	30% " 30% " 40% "		SE							/		B	30		/			DRB
	"	10275 N	10% " 45% " 45% "		SE							/		B	40		/			Grey
	"	10250 N	20% " 40% " 40% "		SE							/		B	25		/			MRB
	"	10225 N	10% " 80% " 10% "		SE							/		B	35		/			MRB
	"	10200 N	10% " 80% " 10% "		SW							/		B	40		/			MRB
	"	10175 N	10% " 70% " 20% "		E							/		B	30		/			DRB
	"	10150 N	10% " 90% " 0% "		E					/				B	30		/			LRB
	"	10125 N	20% " 70% " 10% "		S							/		B	35		/			Black
	"	10100 N	10% " 80% " 10% "		S							/		B	15		/			MRB
	"	10075 N	10% " 70% " 20% "		E							/		B	45		/			LRB
	"	10050 N	10% " 70% " 20% "	/	E							/		B	30		/			MRB
	"	10025 N	20% " 70% " 10% "	/	E							/		B	35		/			LRB
	11500E	10000 N	10% " 50% " 40% "	/	E							/		B	20		/			LRB

Pro[illegible] DS [illegible] ults [illegible] tted [illegible]

Area [illegible]: Q.C- Noranda Ground Map: ______ N.T.S.: ______

Collectors: Colin Anderson CC Date July 9/91

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: ~~Burnt~~ Barren	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample Cm	Horizon Development: Good	Horizon Development: Poor	Parent Material: Drift	Parent Material: Bedrock	Colour
	11700E	10000N	10% Sand 35% Silt 10% Clay 45% RF	✓	S							✓		B	25		✓			LRB
	" "	10025N	45% " 35% " 20% RF	✓	S							✓		B	25		✓			MRB
	" "	10050N	30% " 60% " 10% RF	✓	S							✓		B	25		✓			MRB
	" "	10075N	30% " 40% " 30% AngRF		S							✓		B	35	✓				MRB
	" "	10100N	40% " 60% " 0% "		S							✓		B	35	✓				LRB
	" "	10125N	20% " 80% " 0% "		S							✓		B	35		✓			MRB
	" "	10150N	10% " 50% " 40% "		S							✓		B	25		✓			MRB
	" "	10175N	40% " 30% " 30% "		S							✓		B	25		✓			LRB
	" "	10200N	0% " 50% " 50% "		S							✓		B	30		✓			LRB
	" "	10225N	20% " 80% " 0% "		S					✓				B	10		✓			MRB
	" "	10250N	20% " 80% " 0% "		S							✓		B	25		✓			MRB
	" "	10275N	50% " 50% " 0% "		SW					✓				B	30		✓			MRB
	" "	10300N	20% " 60% " 20% "		S							✓		B	40		✓			Brown
	" "	10325N	50% " 40% " 10% "		SW							✓		B	35		✓			MRB
	" "	10350N	40% " 30% " 30% "		S					✓				B	30		✓			MRB
	" "	10375N	10% " 60% " 30% "		S							✓		B	25		✓			MRB
	" "	10400N	20% " 40% " 40% "		S					✓				B	15		✓			MRB
	" "	10425N	20% " 30% " 50% "		SW							✓		B	20		✓			Brown
	" "	10450N	20% " 40% " 40% "		S					✓				B	15		✓			LRB
	" "	10475N	20% " 60% " 20% "		S							✓		B	25		✓			MRB
	" "	10500N	30% " 40% " 30% "		[illegible]		✓					✓		B	40		✓			DRB
	" "	10525N	50% " 50% " 0% "		[illegible]		✓			✓				B	15		✓			MRB
	" "	10550N	20% " 50% " 30% "		[illegible]		✓			✓				B	30		✓			MRB
	" "	10575N	40% " 40% " 20% "		[illegible]		✓					✓		B	15		✓			MRB
	" "	10600N	60% Sand 35% silt 5% "				✓			✓				B	25		✓			MRB
	" "	10625N	60% Sand 35% silt 5% "				✓			✓				B	35		✓			MRB
	" "	10650N	35% Sand 60% silt 5% "				✓					✓		B	30		✓			MRB
	" "	10675N	30% Sand 40% silt 30% "		E					✓				B	20		✓			LRB
	11700E	10700N	20% Sand 60% silt 20% AngRF		E					✓				B	35		✓			Brown

34

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: 155 Noranda.

Area (Grid):

Collectors: Trevor Shephard.

Results Plotted By: EO & Company.

Map: N.T.S.:

Date July, 8, 91.

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
91RS155S.	L11600E	10600N	Silt/Frags 60/40 SA				✓					✓		B	10	✓			✓	ME
		10625N	Silt/Frags 90/10 A											B	35	✓			✓	ME
		10650N	Silt/Frags 70/30 A											B	30	✓			✓	MY
		10675N	" 80/20 A											B	25	✓			✓	ME
		10700N	" 70/30 A											B	35	✓			✓	MY
		10725N	" 80/20. A											B	20	✓				ME
		10750N	Silt/Frag/Sand 50/30/20. A											B	30	✓				MD
		10775N	Silt/Frag 50/50 A											talus.						ME
		10575N	Silt/Frags 60/40 A											B	20	✓				MY
		10550N	" " A											B	25	✓				DB
		10525N	" 80/20. A											B	25	✓				ME
		10500N	Silt/Frag/org 80/10/10. A											B	30	✓				MY
		10475N	Silt/Frags 60/40 A											B	35		✓			DL
		10450N	" 90/10 A											B	20		✓			D
		10425N	Silt/Sand/Frag 70/10/20 A				✓					✓		B	20	✓			✓	ME
91RS155S	L11600E	10400N	" " A				✓					✓		B	20	✓			✓	ML
	L11500E	10600N	Silt/Frags 20/80 A											talus						M
		10625N	Silt/Sand/Frag 50/30/20 A											B	15		✓			DL
		10650N	Silt/Frag 80/20 A											B	20		✓			DE
		10675N	Silt 100											B	10		✓			DE
		10700N	Silt/Frag 20/80 A											A	20		✓			DE
		10725N	Silt/Frag/org 50/20/30 A											A	20		✓			DL
		10750N	Silt/Frag 80/20 A											B	35	✓				ME
		10775N	Silt/Frags 90/10 A											B	40	✓				ME
		10800N	Silt/Frag 10/90 A				✓					✓		A	30		✓		✓	DE
91RS155S	L11500E	10825N	Silt/Frag 80/20 A				✓							talus						ME

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: 155 Noranda Grid — Results Plotted By: Ernie Olfert & Company

Area (Grid): — Map: — N.T.S.: —

Collectors: Trevor Shephard / Colin Anderson. — Date July, 8, 1991

Rounded R
Sub Rounded SR
Sub Angular SA
Angular A

Sample Number	Sample Location: Line	Sample Location: Station	Notes: Composition / Frag. Type	Topography: Valley Bottom	Topography: Direction of slope (down)	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample (cm)	Soil Data: Horizon Development Good	Soil Data: Horizon Development Poor	Soil Data: Parent Material Drift	Soil Data: Parent Material Bedrock	Colour
91RS155S	L 11400E	10600N	Silt/Frag. 60/40 A				✓					✓		talus			✓			ME
		10625N	Silt/Sand/Frag. 60/20/20 A		W							✓		B	5		✓			DE
		10650N	NS																	
		10675N	Silt/Frag. 60/40 A		W							✓		B	40		✓			M
		10700N	" " A		W							✓		B	25		✓			M
		10725N	Silt/Sand/Frag. 40/30/30 A		W							✓		B	20		✓			M
		10750N	Silt/Frag./Sand 30/40/30 A		W							✓		B	10	✓				M
		10775N	Silt/Frag. 80/20		W							✓		A	10		✓			M
		10800N	Silt/Sand/Frag. 20/50/30 A		W									B	20		✓			M
		10825N	" " A		W									B	20		✓			M
		10575N	talus / frost heave soil A		W										10					M
		10550N	Silt/Sand/Frag. 30/30/40 A		W									talus	10					M
		10525N	Silt/Sand/Frag. 30/30/40 A		W									talus	15					M
		10500N	" 20/40/40 A		W									talus	5					M
		10475N	Silt/Frag. 80/20 A		W									B	25	✓				M
		10450N	Silt/org/Frag. 40/20/40 A		W									A	30		✓			M
		10425N	Silt/Sand/Frag. 30/30/40 A		W									B	30	✓				M
		10400N	Silt/Frag. 80/20		S									B	25	✓				M
		10375N	" " A		W									B	30	✓				M
		10350N	" " A		SE									talus						M
		10325N	NS																	
		10300N	Sandy Silt		SE									C	40		✓			
		10275N	Silt/Sand/Frag. 30/30/40 A		SE									B	25		✓			
		10250N	NS																	
		10225N	Silt/Sand/Frag. 60/20/20 A		E									B	30	✓				
		10200N	" 20/60/20 A		E									B	30		✓			
↓	↓	10175N	Silt/org/Frag. 30/30/40 A		E							↓		B	30		✓			D
91RS155S	L 11400E	10150N	Silt/Sand/Frag. 40/30/30 A		E						/	✓		B	30	✓				L
91RS155S	L 11400E	10125N	Sand/Silt 80/20		E									B	15		✓			

← EOL →

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: 155 Noranda Grid — Results Plotted By: Ernie O. & Company.

Area (Grid): — Map: — N.T.S.: —

Collectors: T. Shephard / Colin Anderson — Date: July, 8, 91.

Rounded
Sub Rounded
Sub Angular
Angular

Sample Number	Sample Location: Line	Sample Location: Station	Notes: Composition	Frag Type	Topography: Valley Bottom	Topography: Direction of slope (down)	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample (cm)	Soil Data: Horizon Development Good	Soil Data: Horizon Development Poor	Soil Data: Parent Material Drift	Soil Data: Parent Material Bedrock	Soil Data: Colour
91RS1555	L11300E	10250N	silt/frag 50/50	A				✓					✓		A			✓			DB
		10275N	silt/sand 50/50					✓					✓		A	10		✓			DB
		10300N	silt/sand 50/50			S							✓		B	10	✓				MB
		10325N	silt/sand/frag 50/20/30	A		S							✓		B	30	✓				MB
		10350N	silt/sand/frag 30/40/30	A		S							✓		B	10	✓				DB
		10375N	} NS																		
		10400N																			
		10425N																			
		10450N				W							✓		Tellus	5		✓			MB
↓	↓	10475N	silt/frag 70/30	A		W							✓			5	✓				MB
91RS1555	L11300E	10500N	silt/frag 50/50	A		W							✓			5		✓			DB
		196																			
91RS1555	L10700E	10530N	silt/frag 60/40 Angular			N						Talus		Talus				✓		✓	MB
			(Taken at base of outcrop; talus fines)																		

APPENDIX V

Rock/Soil/Silt Sample Results

COMP: KEEWATIN ENGRG.
PROJ: 155 (NORANDA GC)
ATTN: B.WHELAN/E.OLFERT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0137-RJ1
DATE: 91/07/19
* ROCKS * (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM
91-AG-155-R-0990	49	7.2	656	58	56457	48	24	10
91-AG-155-R-0991	34	5.4	1019	44	49108	47	19	11
91-AG-155-R-0992	16	6.9	6983	14	889	29	8	2
91-AG-155-R-0993	32	2.7	2146	12	592	36	4	6
91-AG-155-R-0994	25	4.3	3903	14	230	37	6	7
91-AG-155-R-0995	43	2.5	1927	11	174	26	4	3
91-AG-155-R-0996	28	14.6	287	64	175700	72	45	19
91-AG-155-R-0997	153	6.5	520	56	54615	34	21	11
91-AG-155-R-0998	140	3.4	2119	50	19998	188	13	7
91-CC-155-R-1311	8	1.1	2584	8	917	20	1	19
91-CC-155-R-1312	12	2.1	873	7	217	28	14	5
91-EO-155-R-1170	1	.8	95	3	273	39	1	1
91-EO-155-R-1171	3	.2	13	6	104	15	1	2
91-EO-155-R-1172	10	1.0	15	24	182	28	1	2
91-RS-155-R-1300	1	.1	71	7	184	26	5	1
91-RS-155-R-1301	96	.7	33	5	85	25	1	1
91-RS-155-R-1302	13	2.0	786	17	12519	191	6	13
91-RS-155-R-1303	19	1.6	1037	7	128	46	2	3
91-RS-155-R-1304	3	2.1	79	64	370	33	1	5
91-RS-155-R-1305	1	1.5	78	1	127	26	1	1

COMP: KEEWATIN ENGRG.
PROJ: 155 (NORANDA QC)
ATTN: B.WHELAN/S.GIBSON

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0169-RJ1
DATE: 91/07/18
* ROCK * (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM
91-AG 155R 0999	2	.8	129	9	52	1	1	4
91-AG 155R 1000	68	2.3	54	233	2730	2755	8	1
91-AG 155R 1001	26	5.9	1891	120	106	50	23	94
91-AG 155R 1002	2	.3	22	8	29	26	1	7
91-AG 155R 1003	4	.8	125	4	33	8	1	5
91-AG 155R 1004	5	12.7	244	10083	15501	1	27	1
91-AG 155R 1005	1	1.5	16	242	444	2	1	3
91-AG 155R 1006	108	45.1	298	7057	39187	86	104	17
91-AG 155R 1007	119	35.9	341	6562	177949	111	84	17

COMP: KEEWATIN ENGRG.
PROJ: 155 (NORANDA QC)
ATTN: BONNIE WHELAN/SANDY GIBSON

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0310-RJ1
DATE: 91/08/07
* ROCK * (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM
AG155R1092	6	1.3	184	30	6084	52	3	4
AG155R1093	630	110.1	482	29639	16934	368	53	5
AG155R1094	12	2.7	362	736	359	308	6	1
AG155R1095	70	.1	503	98	130	1	1	1
AG155R1096	140	.1	445	8	48	1	1	1
AG155R1097	1000	17.1	574	5431	38033	797	48	4
AG155R1098	142	2.9	123	423	2551	237	3	4
AG155R1099	49	.8	68	54	146	68	1	8

COMP: KEEWATIN ENGRG.
PROJ: 155
ATTN: B.WHELAN/E.OLFERT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0381-RJ1
DATE: 91/08/13
* ROCK * (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM
91 AG 155 R1023	34	2.3	60	354	15821	17	5	4
91 AG 155 R1024	17	1.2	13	35	334	23	1	1
91 AG 155 R1025	13	3.5	67	384	796	63	1	1
91 AG 155 R1026	9	2.8	66	165	243	22	1	1
91 AG 155 R1027	2	.9	35	113	259	19	1	1
91 AG 155 R1028	8	.8	31	57	215	8	1	3
91 AG 155 R1029	16	.5	88	10	177	1	1	1
91 AG 155 R1030	12	3.3	30	413	8677	85	2	1
91 AG 155 R1031	37	4.2	25	1025	6575	721	13	1
91 AG 155 R1032	18	.1	12	34	216	45	1	2
91 AG 155 R1033	5	17.8	89	716	16492	56	24	12
91 AG 155 R1034	9	.4	17	13	212	32	4	6
91 AG 155 R1035	13	.1	264	27	204	7	1	1
91 AG 155 R1036	8	.1	282	21	79	1	1	1
91 EO 155 R1458	6	1.0	107	1	48	1	1	1
91 EO 155 R1459	12	.8	110	12	354	1	1	1
91 EO 155 R1460	14	1.6	28	48	47	38	3	2
91 EO 155 R1461	13	1.3	58	26	123	36	1	7
91 EO 155 R1462	9	.8	155	8	46	1	1	1

COMP: KEEWATIN ENGRG.
PROJ: 155 NORANDA GC
ATTN: B.WHELAN/E.OLFERT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0470-RJ1
DATE: 91/08/20
* ROCK * (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM
91 AG 155 C1037	20	1.3	54	53	640	50	1	1
91 AG 155 C1038	15	2.1	75	119	960	39	2	1
91 AG 155 R1039	2	2.0	77	128	1176	41	2	2
91 AG 155 R1040	7	8.1	95	359	5855	206	14	11
91 AG 155 R1041	3	1.3	48	45	1418	25	1	3
91 AG 155 R1042	2	1.3	31	51	268	24	2	1
91 AG 155 R1044	1	1.1	17	34	91	6	1	1
91 AG 155 R1045	3	2.6	112	56	242	34	4	3
91 AG 155 R1046	11	.1	326	67	154	23	1	1
91 AG 155 R1047	780	2.1	15	3	9	230	1	1
91 RS 155 R1060	74	1.3	56	53	250	30	2	2
91 RS 155 R1061	12	1.7	52	35	172	44	3	1
91 RS 155 R1062	4	2.0	88	287	1061	30	3	1
91 RS 155 R1063	1	1.5	48	50	275	37	3	3
91 RS 155 R1345	1	2.8	54	114	445	23	4	2
91 RS 155 R1346	3	3.1	66	65	169	25	6	3
91 RS 155 R1347	10	1.6	78	61	567	38	2	2
91 RS 155 R1348	9	1.7	103	109	743	39	3	2
91 RS 155 R1349	3	2.1	52	201	709	218	15	3

COMP: KEEWATIN ENGRG.
PROJ: 155
ATTN: BONNIE WHELAN/ERNIE OLFERT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0529-RJ1
DATE: 91/08/27
* ROCK * (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM
91 RS 155R 1344	8	3.5	74	90	464	36	5	1
91 AG 155R 1056	14	.5	106	11	46	8	1	1

COMP: KEEWATIN ENGRG.
PROJ: 155
ATTN: BONNIE WHELAN/ERNIE OLFERT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0645-RJ1
DATE: 91/09/07
* ROCK * (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM
91 EO 155 C 1	4	1.5	101	171	603	249	2	1
91 EO 155 C 13	5	.6	34	97	329	23	1	1
91 EO 155 C 14	12	3.4	36	277	1114	27	3	3
91 EO 155 C 15	10	3.3	65	529	2141	25	4	2
91 EO 155 C 16	14	3.5	59	641	2450	77	4	1
91 EO 155 C 17	2	3.1	44	762	3906	33	5	2
91 EO 155 C 18	37	.6	39	445	1555	27	1	1
91 EO 155 C 19	2	4.3	106	379	1614	34	3	1
91 EO 155 C 20	1	6.1	122	1020	3101	40	7	2
91 EO 155 C 21	1	3.2	156	411	1659	18	3	1
91 EO 155 C 22	2	5.6	121	1088	4417	32	6	2
91 EO 155 T 2	4	.1	38	116	355	89	1	1
91 EO 155 T 3	6	3.0	54	237	745	128	1	1
91 EO 155 T 4	3	1.6	28	305	906	75	1	1
91 EO 155 T 7	2	.9	52	191	658	22	1	1
91 EO 155 T 11	1	.6	28	197	733	10	1	1
91 EO 155 T 12	4	.3	23	105	415	7	1	1
91 EO 155 T 23	2	.1	75	47	252	1	1	1
91 EO 155 T 24	1	.1	76	99	344	2	1	1
91 EO 155 T 25	5	.7	48	224	857	11	1	1
91 EO 155 T 26	2	.1	9	35	58	1	1	1

MIN-EN LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
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SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

1S-0310-RA1

Company: KEEWATIN ENGRG.
Project: 155 (NORANDA QC)
Attn: BONNIE WHELAN/SANDY GIBSON

Date: AUG-07-91

Copy 1. KEEWATIN ENGRG, VANCOUVER, B.C.
2. KEEWATIN ENGRG, C/O SMITHERS EXPEDITING
3. KEEWATIN ENGRG, C/O MIN-EN LABS.

We hereby certify the following Assay of 1 ROCK samples submitted AUG-01-91 by SANDY GIBSON.

Sample Number	*AU g/tonne	*AU oz/ton
AG155R1097	1.51	.044

*AU = 1 ASSAY TON.

Certified by _____

COMP: KEEWATIN ENGRG.
PROJ: 155
ATTN: BONNIE WHELAN / ERNIE OLFERT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0141-SJ1+2
DATE: 91/07/20
* SOIL * (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM
91CC L11300E 10875N	3	.5	103	43	152	35	1	1
91CC L11300E 10850N	18	.5	82	38	133	36	1	1
91CC L11300E 10825N	16	.9	75	45	131	25	1	1
91CC L11300E 10800N	24	.4	96	191	266	74	1	1
91CC L11300E 10775N	19	2.7	128	483	499	101	1	1
91CC L11300E 10750N	17	2.8	124	198	330	93	1	1
91CC L11300E 10725N	22	1.3	116	131	295	21	1	1
91CC L11300E 10650N	2	.3	95	40	137	20	1	1
91CC L11300E 10575N	19	1.0	106	56	193	39	1	1
91CC L11300E 10550N	18	.8	89	50	224	29	1	1
91CC L11300E 10525N	185	1.3	81	67	326	60	1	1
91CC L11300E 10500N	3	1.8	68	55	247	30	1	1
91CC L11300E 10475N	24	.6	83	63	253	68	1	1
91CC L11300E 10450N	13	.6	89	67	306	83	1	1
91CC L11300E 10350N	4	.7	63	27	149	13	1	1
91CC L11300E 10325N	2	.3	34	16	95	6	1	1
91CC L11300E 10300N	3	.2	56	40	144	9	1	1
91CC L11300E 10275N	1	1.2	54	2	106	1	1	1
91CC L11300E 10250N	1	.1	93	25	104	29	1	1
91RS L11400E 10825N	4	1.0	84	29	103	30	1	1
91RS L11400E 10800N	1	.1	96	25	94	36	1	1
91RS L11400E 10775N	2	.1	104	72	209	70	1	2
91RS L11400E 10750N	1	.7	98	56	219	83	1	1
91RS L11400E 10725N	4	.4	70	50	147	32	1	1
91RS L11400E 10700N	4	.7	83	47	162	39	1	1
91RS L11400E 10675N	21	.3	176	71	143	23	1	4
91RS L11400E 10625N	216	.8	97	20	91	9	1	1
91RS L11400E 10600N	39	1.3	117	68	148	52	1	1
91RS L11400E 10575N	1	1.6	76	49	205	30	1	1
91RS L11400E 10550N	3	.9	123	143	385	135	1	4
91RS L11400E 10525N	3	.8	96	107	316	147	1	2
91RS L11400E 10500N	21	.5	84	64	294	85	1	1
91RS L11400E 10475N	2	1.1	41	31	164	34	1	1
91RS L11400E 10450N	1	1.9	72	107	367	93	1	1
91RS L11400E 10425N	1	.4	79	123	461	62	1	1
91RS L11400E 10400N	2	.8	21	26	57	8	1	1
91RS L11400E 10375N	2	.3	101	109	337	62	1	1
91RS L11400E 10350N	4	.5	95	111	342	49	1	1
91RS L11400E 10300N	9	.8	119	47	198	45	1	1
91RS L11400E 10275N	2	.1	32	23	62	12	1	1
91RS L11400E 10225N	1	.5	107	17	143	18	1	1
91RS L11400E 10200N	5	.1	109	22	85	1	1	1
91RS L11400E 10175N	2	.1	71	15	103	11	1	1
91RS L11400E 10150N	3	.1	79	8	66	6	1	1
91RS L11400E 10125N	1	.1	80	24	57	19	1	1
91RS L11500E 10825N	2	.8	123	43	193	68	1	1
91RS L11500E 10800N	6	.3	125	58	231	78	1	1
91RS L11500E 10775N	20	.5	79	59	171	51	1	1

COMP: KEEWATIN ENGRG.
PROJ: 155
ATTN: BONNIE WHELAN / ERNIE OLFERT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0141-SJ3+4
DATE: 91/07/20
* SOIL * (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM
91RS L11500E 10750N	4	.2	68	143	264	31	1	1
91RS L11500E 10725N	16	.6	55	67	130	11	1	1
91RS L11500E 10700N	1	1.2	51	88	133	1	1	1
91RS L11500E 10675N	3	1.5	136	18	128	1	1	1
91RS L11500E 10650N	18	.3	327	62	130	21	1	2
91RS L11500E 10625N	23	.8	114	25	97	7	1	4
91RS L11500E 10600N	4	.4	139	70	334	72	1	7
91CC L11500E 10575N	33	.3	150	64	247	293	7	2
91CC L11500E 10550N	9	.8	116	78	261	332	4	2
91CC L11500E 10525N	29	1.3	159	92	414	240	4	5
91CC L11500E 10500N	10	.7	94	120	458	147	2	2
91CC L11500E 10475N	7	1.1	102	80	370	91	1	1
91CC L11500E 10450N	2	1.0	72	49	197	85	1	1
91CC L11500E 10425N	19	.5	166	292	641	146	6	3
91CC L11500E 10400N	8	.2	96	106	397	133	6	2
91CC L11500E 10375N	60	.9	156	100	522	178	2	2
91CC L11500E 10350N	14	.5	115	57	289	62	1	1
91CC L11500E 10325N	30	.8	144	179	460	38	1	1
91CC L11500E 10300N	16	.3	99	47	143	11	1	1
91CC L11500E 10275N	18	5.9	68	242	715	98	1	2
91CC L11500E 10250N	4	2.4	97	215	611	63	1	2
91CC L11500E 10225N	1	1.4	73	69	248	16	1	1
91CC L11500E 10200N	1	1.0	35	15	112	1	1	1
91CC L11500E 10175N	2	.9	76	46	225	9	1	1
91CC L11500E 10150N	2	.1	133	18	131	1	1	1
91CC L11500E 10125N	1	.1	117	25	72	1	1	1
91CC L11500E 10100N	18	.7	116	12	44	1	1	2
91CC L11500E 10075N	1	.1	105	21	75	1	1	1
91CC L11500E 10050N	2	.1	63	19	54	1	1	1
91CC L11500E 10025N	4	.1	77	7	67	1	1	1
91CC L11500E 10000N	2	.3	94	12	59	1	1	1
91RS L11600E 10775N	24	.9	245	180	673	113	1	4
91RS L11600E 10750N	4	.4	90	71	219	67	1	2
91RS L11600E 10725N	9	.6	113	104	241	58	1	2
91RS L11600E 10700N	6	.7	97	235	275	38	1	2
91RS L11600E 10675N	15	.4	119	106	169	22	1	2
91RS L11600E 10650N	12	.1	120	53	116	14	1	1
91RS L11600E 10625N	87	.2	188	45	105	19	1	3
91RS L11600E 10600N	6	.1	114	27	83	16	1	8
91RS L11600E 10575N	2	1.1	64	30	113	14	1	1
91RS L11600E 10550N	12	.2	120	48	270	105	1	2
91RS L11600E 10525N	3	.5	154	133	774	188	4	1
91RS L11600E 10500N	5	.7	122	105	572	145	2	1
91RS L11600E 10475N	1	.5	47	45	159	20	1	1
91RS L11600E 10450N	4	.8	102	101	404	94	1	1
91RS L11600E 10425N	6	.4	130	249	522	99	2	2
91RS L11600E 10400N	3	.4	120	63	271	91	1	1
91CC L11700E 10700N	8	.5	121	56	109	21	1	2

COMP: KEEWATIN ENGRG.
PROJ: 155
ATTN: BONNIE WHELAN / ERNIE OLFERT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0141-SJ5+6
DATE: 91/07/20
* SOIL * (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM
91CC L11700E 10675N	16	1.1	246	74	166	21	1	1
91CC L11700E 10650N	54	.4	372	75	127	25	1	1
91CC L11700E 10625N	1	.5	84	18	64	15	1	6
91CC L11700E 10600N	28	.4	94	30	124	26	1	1
91CC L11700E 10575N	2	.9	48	42	125	26	1	1
91CC L11700E 10550N	9	2.8	122	188	297	110	1	1
91CC L11700E 10525N	1	2.0	66	13	166	4	1	1
91CC L11700E 10500N	2	1.0	52	16	111	13	1	1
91CC L11700E 10475N	3	.4	77	34	187	35	1	1
91CC L11700E 10450N	2	.1	97	37	141	61	1	1
91CC L11700E 10425N	18	.1	226	33	110	61	1	1
91CC L11700E 10400N	16	.1	209	24	108	43	1	1
91CC L11700E 10375N	4	.1	180	19	97	9	1	1
91CC L11700E 10350N	1	.6	121	16	113	10	1	1
91CC L11700E 10325N	2	.8	181	24	136	33	1	1
91CC L11700E 10300N	1	.1	101	23	134	23	1	1
91CC L11700E 10275N	3	.1	157	19	126	26	1	1
91CC L11700E 10250N	2	.1	171	28	175	44	1	1
91CC L11700E 10225N	2	.1	123	28	156	46	1	1
91CC L11700E 10200N	1	.2	182	40	169	50	1	1
91CC L11700E 10175N	5	.1	169	23	145	40	1	1
91CC L11700E 10150N	4	.1	116	25	138	41	1	1
91CC L11700E 10125N	2	.1	95	25	148	38	1	1
91CC L11700E 10100N	2	1.3	144	17	74	1	1	1
91CC L11700E 10075N	1	.1	83	18	112	16	1	1
91CC L11700E 10050N	4	.1	86	21	152	18	1	1
91CC L11700E 10025N	2	.1	121	24	148	26	1	1
91CC L11700E 10000N	5	.1	104	18	113	25	1	1

COMP: KEEWATIN ENGRG.
PROJ: 155
ATTN: B.WHELAN/E.OLFERT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0382-SJ2+3
DATE: 91/08/14
* SOIL * (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM
SS 10+550E 10+700N	12	1.2	33	20	111	1	1	1
SS 10+550E 10+650N	30	.5	87	67	252	25	1	1
SS 10+550E 10+600N	21	.5	43	108	315	18	1	1
SS 10+550E 10+550N	9	.8	83	139	561	32	1	1
SS 10+550E 10+500N	6	2.1	64	30	236	1	1	1
SS 10+550E 10+450N	3	1.3	65	48	301	5	1	1
SS 10+550E 10+400N	2	.8	56	116	530	8	1	1
SS 10+550E 10+350N	1	1.0	70	25	186	1	1	1
SS 10+650E 10+700N	73	.2	269	41	107	11	1	2
SS 10+650E 10+650N	20	1.8	78	67	337	51	1	1
SS 10+650E 10+600N	1	2.7	70	110	410	9	1	1
SS 10+650E 10+550N	1	3.6	72	146	563	8	1	1
SS 10+650E 10+500N	1	1.1	60	204	458	27	1	1
SS 10+650E 10+450N	1	1.3	37	216	246	2	1	1
SS 10+650E 10+400N	1	1.2	37	38	192	1	1	1
SS 10+650E 10+350N	1	1.7	87	117	525	23	1	1
SS 10+750E 10+700N	80	1.0	172	39	121	10	1	1
SS 10+750E 10+650N	10	2.6	88	96	579	71	1	1
SS 10+750E 10+600N	3	3.6	105	125	612	34	1	1
SS 10+750E 10+550N	6	6.9	271	482	1344	233	10	1
SS 10+750E 10+500N	10	3.6	85	311	1412	34	1	1
SS 10+750E 10+450N	2	.5	58	186	538	9	1	1
SS 10+750E 10+400N	1	2.5	58	68	315	1	1	1
SS 10+750E 10+350N	1	.8	84	30	140	9	1	1
SS 10+750E 10+300N	1	.7	75	51	235	5	1	1
SS 10+850E 10+750N	79	.1	623	26	54	12	1	5
SS 10+850E 10+650N	3	1.4	80	40	178	19	1	1
SS 10+850E 10+600N	2	3.2	120	173	790	49	1	1
SS 10+850E 10+550N	1	1.3	44	205	550	13	1	1
SS 10+850E 10+500N	1	1.4	31	30	250	1	1	1
SS 10+850E 10+450N	2	.5	58	149	698	22	1	1
SS 10+850E 10+400N	1	.9	79	186	509	16	1	1
SS 10+850E 10+350N	1	.1	44	55	255	1	1	1
SS 10+850E 10+300N	3	.4	36	16	94	1	1	1

COMP: KEEWATIN ENGRG.
PROJ: 155
ATTN: B.WHELAN/E.OLFERT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0454-SJ1+2
DATE: 91/08/21
* SOIL * (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM
SS 10+450E 10+700N	3	1.3	30	119	396	46	3	1
SS 10+450E 10+675N	3	.6	23	80	245	34	1	1
SS 10+450E 10+650N	1	1.6	107	68	351	24	1	1
SS 10+450E 10+625N	1	.1	48	65	182	31	1	1
SS 10+450E 10+600N	86	.6	60	50	151	125	10	1
SS 10+450E 10+575N	14	1.5	62	117	407	32	1	1
SS 10+450E 10+550N	8	1.7	82	69	348	12	1	1
SS 10+450E 10+525N	3	.6	129	142	482	89	3	1
SS 10+450E 10+500N	1	1.4	54	55	199	17	1	1
SS 10+450E 10+475N	3	.8	59	129	497	43	1	1
SS 10+450E 10+450N	1	1.3	38	65	251	5	1	1
SS 10+450E 10+425N	1	1.2	27	20	212	1	1	1
SS 10+450E 10+400N	1	1.1	29	14	148	1	1	1
SS 10+450E 10+350N	1	2.2	90	190	711	60	1	1
SS 10+550E 10+675N	12	.1	66	66	175	31	1	1
SS 10+550E 10+625N	41	1.7	71	97	359	34	1	1
SS 10+550E 10+575N	31	1.2	38	90	242	22	1	1
SS 10+550E 10+525N	7	2.7	83	54	362	10	1	1
SS 10+550E 10+475N	1	7.1	101	332	268	46	1	1
SS 10+550E 10+425N	3	1.3	47	52	302	2	1	1
SS 10+550E 10+375N	1	2.1	78	62	390	12	1	1
SS 10+650E 10+675N	1	.2	42	57	161	21	1	1
SS 10+650E 10+625N	6	.8	79	125	378	63	1	1
SS 10+650E 10+575N	12	3.9	82	224	969	18	1	1
SS 10+650E 10+525N	3	2.4	67	248	616	42	1	1
SS 10+650E 10+475N	12	1.2	29	148	249	64	1	1
SS 10+650E 10+425N	3	.9	37	106	245	8	1	1
SS 10+650E 10+375N	3	.7	54	306	490	35	1	1
RS 10+700E 10+530N	12	10.5	137	985	1825	324	6	1
SS 10+750E 10+675N	21	.8	101	96	262	47	1	1
SS 10+750E 10+625N	36	3.9	116	151	557	85	1	1
SS 10+750E 10+575N	12	2.5	51	76	369	1	1	1
SS 10+750E 10+525N	9	3.7	70	481	1802	51	1	1
SS 10+750E 10+475N	1	1.1	48	269	665	13	1	1
SS 10+750E 10+425N	3	1.9	81	68	303	4	1	1
SS 10+750E 10+375N	3	.8	42	24	120	1	1	1
SS 10+750E 10+325N	1	.6	82	33	208	8	1	1
SS 10+850E 10+675N	21	.8	124	53	212	4	1	1
SS 10+850E 10+625N	30	3.1	126	135	710	52	1	1
SS 10+850E 10+575N	1	1.2	67	170	536	30	1	1
SS 10+850E 10+525N	60	7.5	142	2171	6427	56	4	1
SS 10+850E 10+475N	1	.6	40	149	466	1	1	1
SS 10+850E 10+425N	1	1.5	76	66	358	27	1	1
SS 10+850E 10+375N	1	3.5	122	127	658	21	1	1
SS 10+850E 10+325N	1	.5	55	22	126	9	1	1

COMP: KEEWATIN ENGRG.
PROJ: 155
ATTN: B.WHELAN/E.OLFERT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0382-SJ1
DATE: 91/08/14
* SILT * (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM
91 EO 155 L001	1	.2	79	21	112	14	1	1

APPENDIX VI

Geophysical Report

LOGISTICAL REPORT

INDUCED POLARIZATION AND MAGNETOMETER SURVEYS

NORANDA QC 155 PROJECT

ISKUT AREA, BRITISH COLUMBIA

on behalf of

KEEWATIN ENGINEERING INC.
Suite 800 - 900 West Hastings Street
Vancouver, B.C. V6C 1E5

Field work completed: July 29-August 1, 4, 5, 1991

by

Alan Scott, Geophysicist
SCOTT GEOPHYSICS LTD.
4013 West 14th Avenue
Vancouver, B.C. V6R 2X3

September 15, 1991

TABLE OF CONTENTS

		page
1	Introduction	1
2	Survey Grid and Survey Coverage	1
3	Personnel	1
4	Instrumentation and Procedures	2
5	Recommendations	2

Appendix

Statement of qualifications rear of report

Contents of Map Pockets

				Pocket
Chargeability/Resistivity	Pseudosections (1:2500)	a=25	n=1-5	1
Chargeability/Resistivity	Pseudosections (1:2500)	a=25/75	n=1,2	2
Chargeability/Resistivity	Data Listings			3
Magnetometer	Data Listings			4

Accompanying maps (1:2500 scale)

Chargeability/Resistivity pseudosections	a=25	n=1-5	map roll
Chargeability/Resistivity pseudosections	a=25/75	n=1,2	map roll
Chargeability contour plan	a=25	n=1	map roll
Resistivity contour plan	a=25	n=1	map roll
Magnetometer contour plan			map roll
Magnetometer values			map roll

(originals, vellums, plus three blackline copies)

1. INTRODUCTION

Induced polarization and magnetometer surveys were conducted over portions of the Noranda QC 155 Project, Iskut Area, B.C., in the period July 29 to August 1, and August 4-5, 1991. The work was conducted by Scott Geophysics Ltd. on behalf of Keewatin Engineering Inc.

The pole dipole electrode array was used on the induced polarization survey. Two lines were surveyed with "a" spacings of 25 and 75 meters and "n" separations of 1 and 2, and were resurveyed, along with additional lines, at an "a" spacing of 25 meters and "n" separations of 1, 2, 3, 4, and 5. The current electrode was located to the south of the potential electrodes on all survey lines.

This report describes the instrumentation and procedures, and presents the results of the survey.

2. SURVEY GRID AND SURVEY COVERAGE

A total of 9.9 line kilometers of induced polarization survey were completed on the QC 155 Project, 3.0 kilometers at 25/25/75/75, and 6.9 kilometers at a=25/n=1-5. A total of 10.7 line kilometers of magnetometer survey was also completed on the QC 155 project.

The grid was established by Keewatin Engineering personnel.

3. PERSONNEL

Dominique Berube, geophysicist, was the party chief on the survey. Dave Dupre, geologist, was the Keewatin representative for the survey.

4. INSTRUMENTATION

A Scintrex IPR11 time domain receiver and a Scintrex IPC7 transmitter were used for the induced polarization survey. Readings were taken using a 2 second alternating square wave. The chargeability for the eighth slice is the value that has been plotted on the accompanying plans and pseudosections (M7; 690 to 1050 milliseconds after shutoff; midpoint at 870 milliseconds).

A Scintrex MP4 magnetometer was used to perform the magnetics survey, along with a Geometrics 816 magnetometer as a fixed base station. All readings were corrected for diurnal drift with reference to the base station.

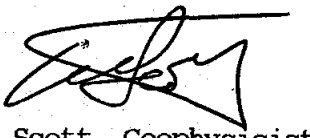
The survey data was archived, processed, and plotted using a Toshiba 3200 microcomputer running Scintrex Soft II and proprietary software. All chargeability responses were analyzed for their spectral characteristics (cole-cole intrinsic chargeability, time constant, and frequency dependence) using Johnson's curve matching procedure (Scintrex Soft II). In areas of low amplitude chargeability response, the spectral parameters are often relatively poorly defined.

6. RECOMMENDATIONS

A preliminary examination of the results of the induced polarization survey on the QC 155 Project indicates the presence of moderate chargeability highs that merit further investigation.

A detailed interpretation of these results, and correlation to geological and geochemical information, is required before any specific recommendations could be made.

Respectfully Submitted,



Alan Scott, Geophysicist

Statement of Qualifications

for

Alan Scott, Geophysicist

of

4013 West 14th Avenue
Vancouver, B.C. V6R 2X3

I, Alan Scott, hereby certify the following statements regarding my qualifications, and my involvement in the program of work described in this report.

1. The work was performed by individuals sufficiently trained and qualified for its performance.

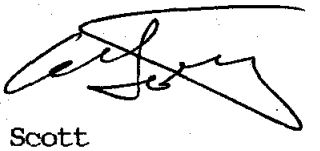
2. I have no material interest in the property under consideration in this report, nor in the company on whose behalf the work was performed.

3. I graduated from the University of British Columbia with a Bachelor of Science degree (Geophysics) in 1970, and with a Master of Business Administration degree in 1982.

4. I am a member of the B.C. Geophysical Society and of the Society of Exploration Geophysicists.

5. I have been practicing my profession as a Geophysicist in the field of Mineral Exploration since 1970.

Respectfully submitted,



Alan Scott

APPENDIX VII

Analytical Techniques

ANALYTICAL PROCEDURES USED BY MIN-EN LABORATORIES

ICP Analysis for Cu, Pb, Zn, Ag, As, Sb, Mo

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 on a ring mill pulverizer.

0.50 gram of the sample is digested for two hours with an aqua regia mixture. After cooling samples are diluted to standard volume.

The solutions are analyzed by computer operated Jarrall Ash 9000 ICAP or Jobin Yvon 70 Type II Inductively Coupled Plasma Spectrometers.

Au Fire Geochem

A suitable sample weight; 15.00 or 30.00 grams is fire assay pre-concentrated. The precious metal beads are taken into solution with aqua regia and made to volume.

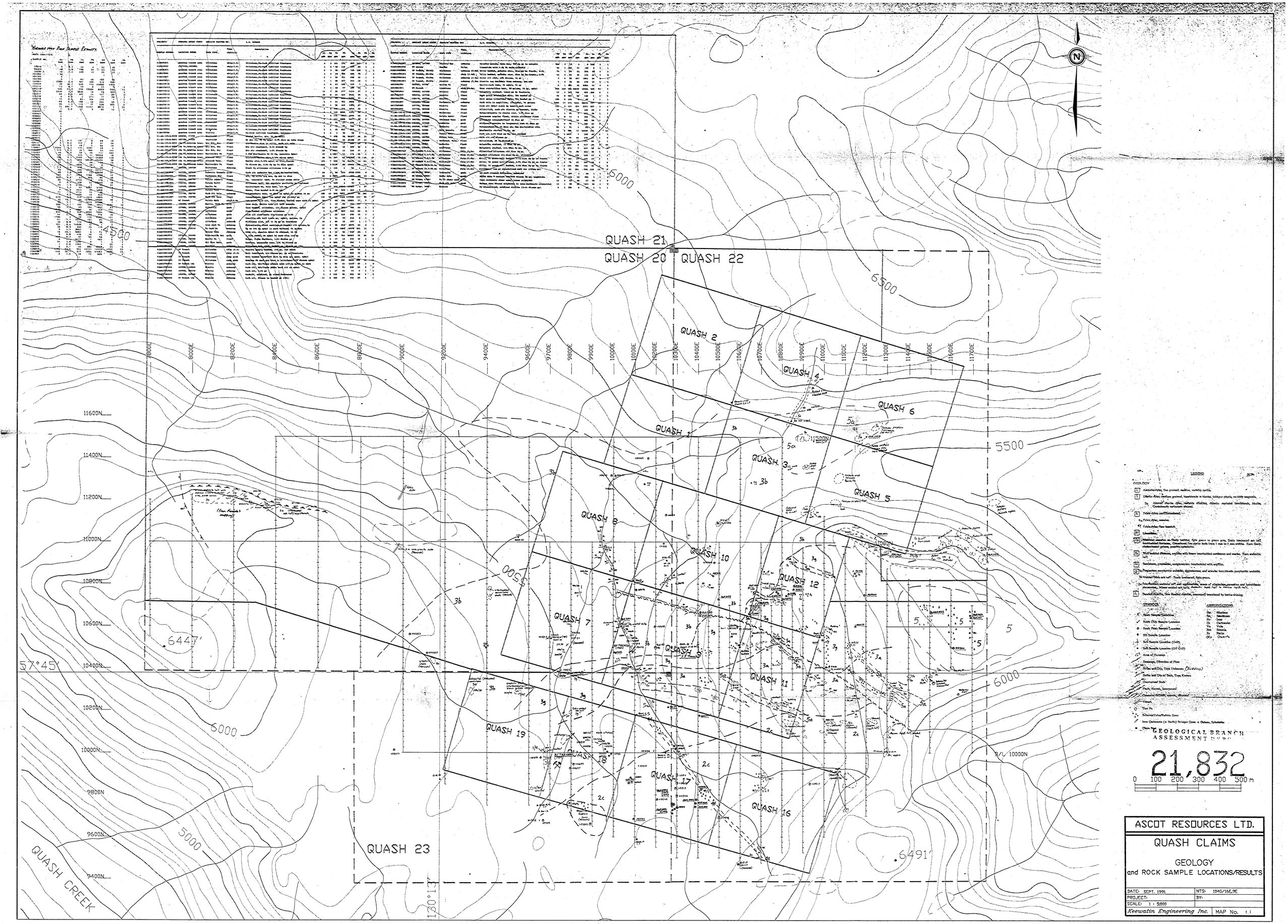
For Au only, samples are aspirated on an atomic absorption spectrometer with a suitable set of standard solutions. If samples are for Au plus Pt or Pd, the sample solution is analyzed in an inductively coupled plasma spectrometer with reference to a suitable standard set.

Gold Assay Procedure

Samples are dried @ 95°C and when dry are crushed on a jaw crusher. The -¼ inch output of the jaw crusher is put through a secondary roll crusher to reduce it to -1/8 inch. The whole sample is then riffled on a Jones Riffle down to a statistically representative 300 - 400 gram sub-sample (in accordance with Gy's statistical rules). This sub-sample is then pulverized in a ring pulverizer to 95% minus 120 mesh, rolled and bagged for analysis. The remaining reject from the Jones Riffle is bagged and stored.

Samples are fire assayed using one assay ton sample weight. The samples are fluxed, a silver inquart added and mixed. The assays are fused in batches of 24 assays along with a natural standard and a blank. This batch of 26 assays is carried through the whole procedure as a set. After cupellation the precious metal beads are transferred into new glassware, dissolved, diluted to volume and mixed.

These aqua regia solutions are analyzed on an atomic absorption spectrometer using a suitable standard set. The natural standard fused along with this set must be within 3 standard deviations of its known or the whole set is re-assayed. Likewise the blank must be less than 0.015 g/tonne.

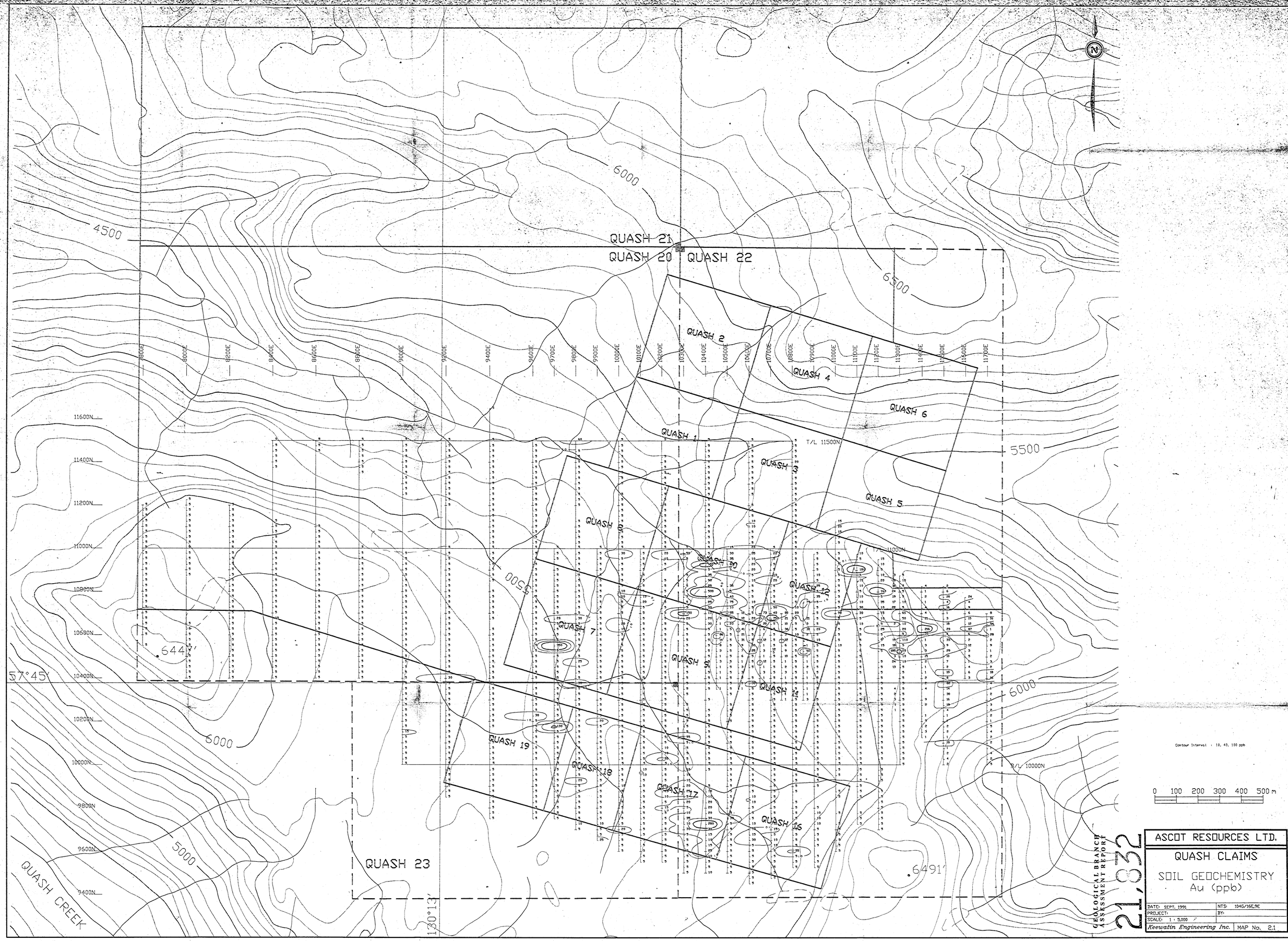


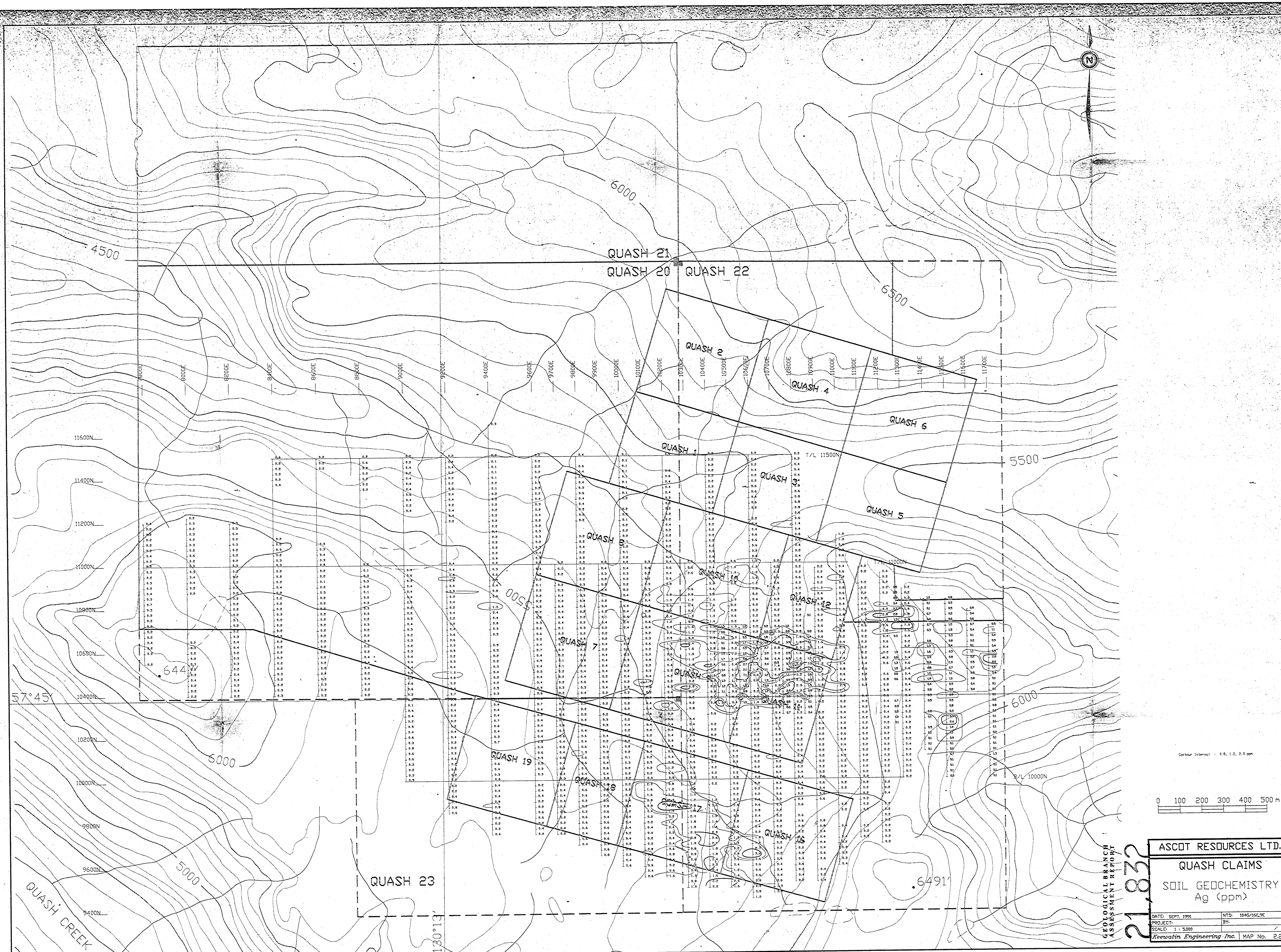
ASCOT RESOURCES LTD.

QUASH CLAIMS

GEOLOGY and ROCK SAMPLE LOCATIONS/RESULTS

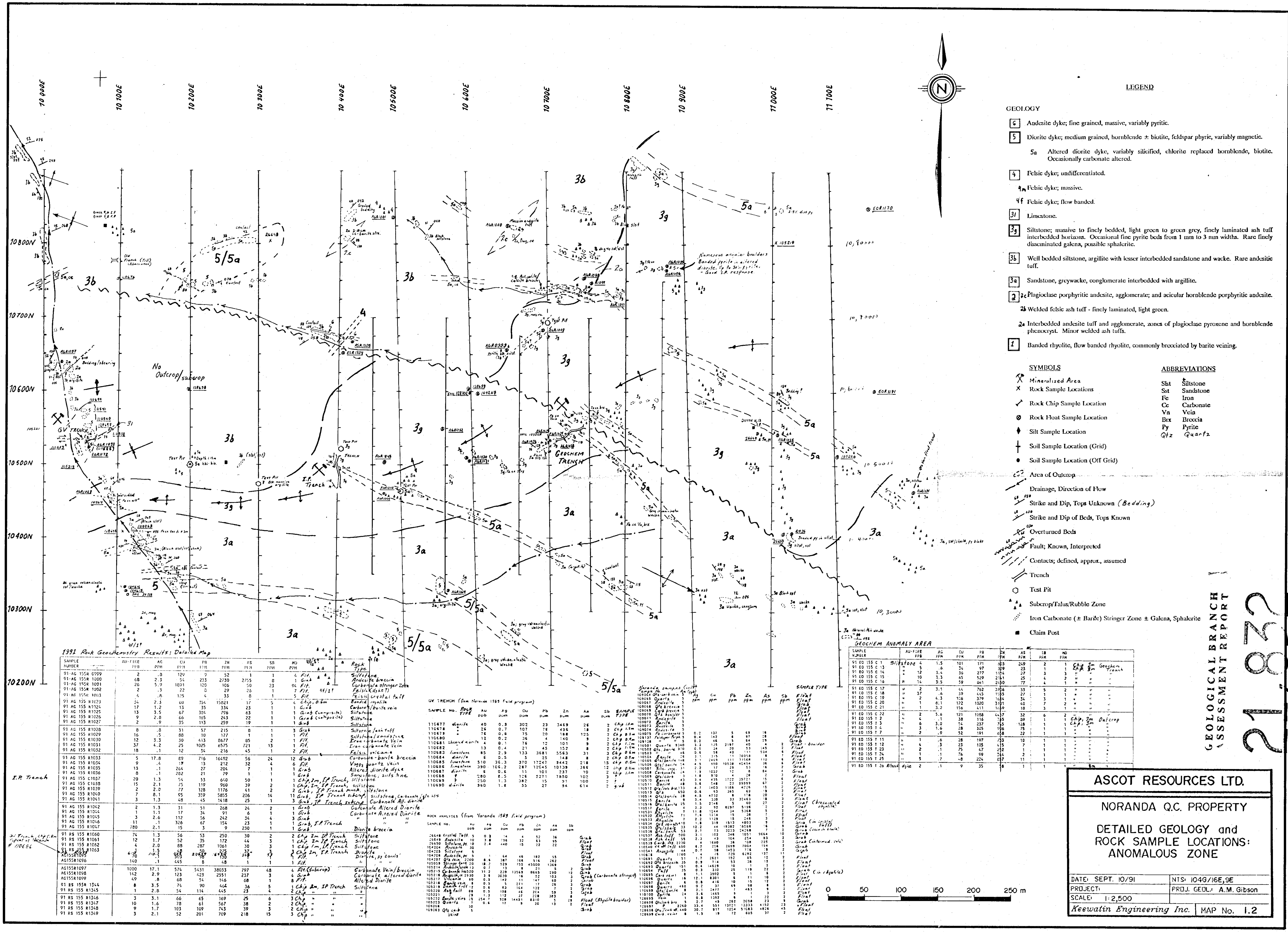
DATE: SEPT. 1991	NTS: 104G/16E,9E
PROJECT:	BY:
SCALE: 1 : 5000	
Keewatin Engineering Inc.	MAP No. 1.1


6000
4500
QUASH 21
QUASH 20
QUASH 22
6500
QUASH 2
QUASH 4
QUASH 6
QUASH 1
QUASH 3
QUASH 5
T/L 11500N
5500
T/L 11000N
QUASH 8
QUASH 9
QUASH 10
QUASH 7
QUASH 19
QUASH 18
QUASH 17
QUASH 16
6000
T/L 10000N
QUASH 23
5000
QUASH CREEK
6441'
6491'
57°45'
130°13'
11600N
11400N
11200N
11000N
10800N
10600N
10400N
10200N
10000N
9800N
9600N
9400N
8800E
9000E
9200E
9400E
9600E
9700E
9800E
9900E
10000E
10100E
10200E
10300E
10400E
10500E
10600E
10700E
10800E
10900E
11000E
11100E
11200E
11300E
11400E
11500E
11600E
11700E
Contour Interval : 10, 40, 100 ppb
0 100 200 300 400 500 m
GEOLOGICAL BRANCH
ASSESSMENT REPORT
21,832
ASCOT RESOURCES LTD.
QUASH CLAIMS
SOIL GEOCHEMISTRY
Au (ppb)
DATE: SEPT. 1991
NTS: 104G/16E,9E
PROJECT:
BY:
SCALE: 1 : 5,000
Keewatin Engineering Inc.
MAP No. 2.1

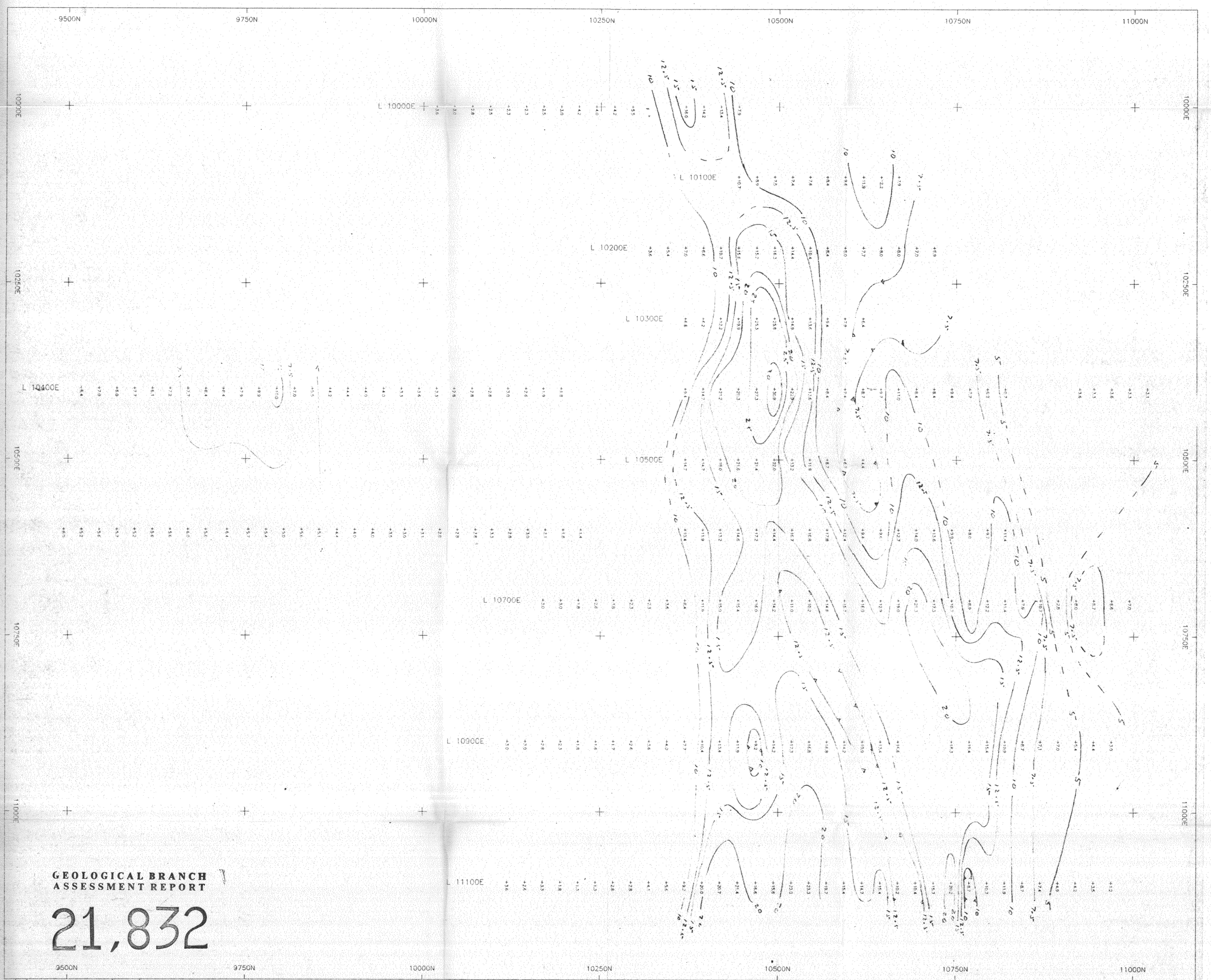


QUASH 21
QUASH 20
QUASH 22
QUASH 2
QUASH 4
QUASH 6
QUASH 1
QUASH 3
QUASH 5
QUASH 7
QUASH 12
QUASH 19
QUASH 18
QUASH 17
QUASH 23
QUASH CREEK
T/L 11500N
T/L 11000N
B/L 10000N
11600N
11400N
11200N
11000N
10800N
10600N
10400N
10200N
10000N
9800N
9600N
9400N
57°45'
130°13'
4500
5000
5500
6000
6500
6441
6491
Contour Interval : 0.8, 1.2, 2.0 ppm
0 100 200 300 400 500 m
GEOLOGICAL BRANCH ASSESSMENT REPORT
21,832
ASCOT RESOURCES LTD.
QUASH CLAIMS
SOIL GEOCHEMISTRY
Ag (ppm)
DATE: SEPT. 1991
NTS: 104G/16E,9E
PROJECT:
BY:
SCALE: 1 : 5,000
Keewatin Engineering Inc.
MAP No. 2.2


ASCOT RESOURCES LTD.
QUASH CLAIMS
SOIL GEOCHEMISTRY
Cu (ppm)
DATE: SEPT. 1991
NTS: 104G/16E,9E
PROJECT:
BY:
SCALE: 1 : 5,000
Keewatin Engineering Inc.
MAP No. 2.3
GEOLOGICAL BRANCH
ASSESSMENT REPORT
21,832
0 100 200 300 400 500 m
Contour Interval : 100, 200, 400 ppm
QUASH 21
QUASH 20
QUASH 22
QUASH 2
QUASH 4
QUASH 6
QUASH 1
QUASH 3
QUASH 5
QUASH 8
QUASH 7
QUASH 19
QUASH 23
QUASH CREEK
T/L 11500N
T/L 11000N
B/L 10000N
11600N
11400N
11200N
11000N
10800N
10600N
10400N
10200N
10000N
9800N
9600N
9400N
4500
5000
5500
6000
6500
6491'
6444'
57°45'
130°13'


LEGEND
GEOLOGY
6 Andesite dyke; fine grained, massive, variably pyritic.
5 Diorite dyke; medium grained, hornblende ± biotite, feldspar phyric, variably magnetic.
5a Altered diorite dyke, variably silicified, chlorite replaced hornblende, biotite. Occasionally carbonate altered.
4 Felsic dyke; undifferentiated.
4m Felsic dyke; massive.
4f Felsic dyke; flow banded.
3l Limestone.
3g Siltstone; massive to finely bedded, light green to green grey, finely laminated ash tuff interbedded horizons. Occasional fine pyrite beds from 1 mm to 3 mm widths. Rare finely disseminated galena, possible sphalerite.
3b Well bedded siltstone, argillite with lesser interbedded sandstone and wacke. Rare andesitic tuff.
3a Sandstone, greywacke, conglomerate interbedded with argillite.
2 2c Plagioclase porphyritic andesite, agglomerate; and acicular hornblende porphyritic andesite.
2b Welded felsic ash tuff - finely laminated, light green.
2a Interbedded andesite tuff and agglomerate, zones of plagioclase pyroxene and hornblende phenocryst. Minor welded ash tuffs.
1 Banded rhyolite, flow banded rhyolite, commonly brecciated by barite veining.
SYMBOLS
Mineralized Area
Rock Sample Locations
Rock Chip Sample Location
Rock Float Sample Location
Silt Sample Location
Soil Sample Location (Grid)
Soil Sample Location (Off Grid)
Area of Outcrop
Drainage, Direction of Flow
Strike and Dip, Tops Unknown (Bedding)
Strike and Dip of Beds, Tops Known
Overturned Beds
Fault; Known, Interpreted
Contacts; defined, approx., assumed
Trench
Test Pit
Subcrop/Talus/Rubble Zone
Iron Carbonate (± Barite) Stringer Zone ± Galena, Sphalerite
Claim Post
ABBREVIATIONS
Slst Siltstone
Sst Sandstone
Fe Iron
Cc Carbonate
Vn Vein
Brx Breccia
Py Pyrite
Qtz Quartz
1991 Rock Geochemistry Results: Detailed Map
GV TRENCH (from Noranda 1989 field program)
ROCK ANALYSES (from Noranda 1989 field program)
GEOCHEM ANOMALY AREA
GEOLOGICAL BRANCH ASSESSMENT REPORT
21,822
0 50 100 150 200 250 m
ASCOT RESOURCES LTD.
NORANDA Q.C. PROPERTY
DETAILED GEOLOGY and ROCK SAMPLE LOCATIONS: ANOMALOUS ZONE
DATE: SEPT. 10/91
NTS: 104G/16E,9E
PROJECT:
PROJ. GEOL: A.M. Gibson
SCALE: 1:2,500
Keewatin Engineering Inc.
MAP No. 1.2


N
6000
4500
5500
6500
QUASH 21
QUASH 20
QUASH 22
QUASH 2
QUASH 4
QUASH 6
QUASH 1
QUASH 3
QUASH 5
QUASH 9
QUASH 7
QUASH 8
QUASH 19
QUASH 23
QUASH CREEK
T/L 11500N
T/L 11000N
B/L 10000N
11600N
11400N
11200N
11000N
10800N
10600N
10400N
10200N
10000N
9800N
9600N
9400N
8800E
8900E
9000E
9100E
9200E
9300E
9400E
9500E
9600E
9700E
9800E
9900E
10000E
10100E
10200E
10300E
10400E
10500E
10600E
10700E
10800E
10900E
11000E
11100E
11200E
11300E
11400E
11500E
11600E
11700E
57°45'
130°13'
6441'
6491'
Contour Interval : 200, 400, 800 ppm
0 100 200 300 400 500 m
GEOLOGICAL BRANCH
ASSESSMENT REPORT
21,832
ASCOT RESOURCES LTD.
QUASH CLAIMS
SOIL GEOCHEMISTRY
Zn (ppm)
DATE: SEPT. 1991
NTS: 104G/16E,9E
PROJECT:
BY:
SCALE: 1 : 5,000
Keewatin Engineering Inc.
MAP No. 2.4



GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,832

SURVEY SPECIFICATIONS

array	pole dipole
a spacing	25 meters
n separations	1, 2, 3, 4, 5
	current electrode
	south of potential electrodes
receiver	Scintrex IPR11
transmitter	Scintrex IPC7
pulse time	2 seconds
M7 receive window	690-1050 msecs
mid point	870 msecs

+M7 (millivolts/volt)

0 50 100 150 200
METERS

KEEWATIN ENGINEERING INC.

NORANDA QC 155 PROJECT
ISKUT AREA, B.C.
CHARGEABILITY CONTOUR PLAN
a=25 meters/n=1

DRAWN BY: drs	DATE: Aug/91
SCOTT GEOPHYSICS LTD	MAP: 3.1

9500N 9750N 10000N 10250N 10500N 10750N 11000N 11250N

10000E L 10000E 10000E

L 10100E

L 10200E 10250E

L 10300E

L 10400E

L 10500E 10500E

L 10600E

L 10700E 10750E

L 10800E

L 10900E 11000E

L 11100E

9500N 9750N 10000N 10250N 10500N 10750N 11000N 11250N

KEEWATIN ENGINEERING INC.

NORANDA QC 155 PROJECT
ISKUT AREA, B.C.
MAGNETOMETER CONTOUR PLAN
(contour interval = 100 gammas)

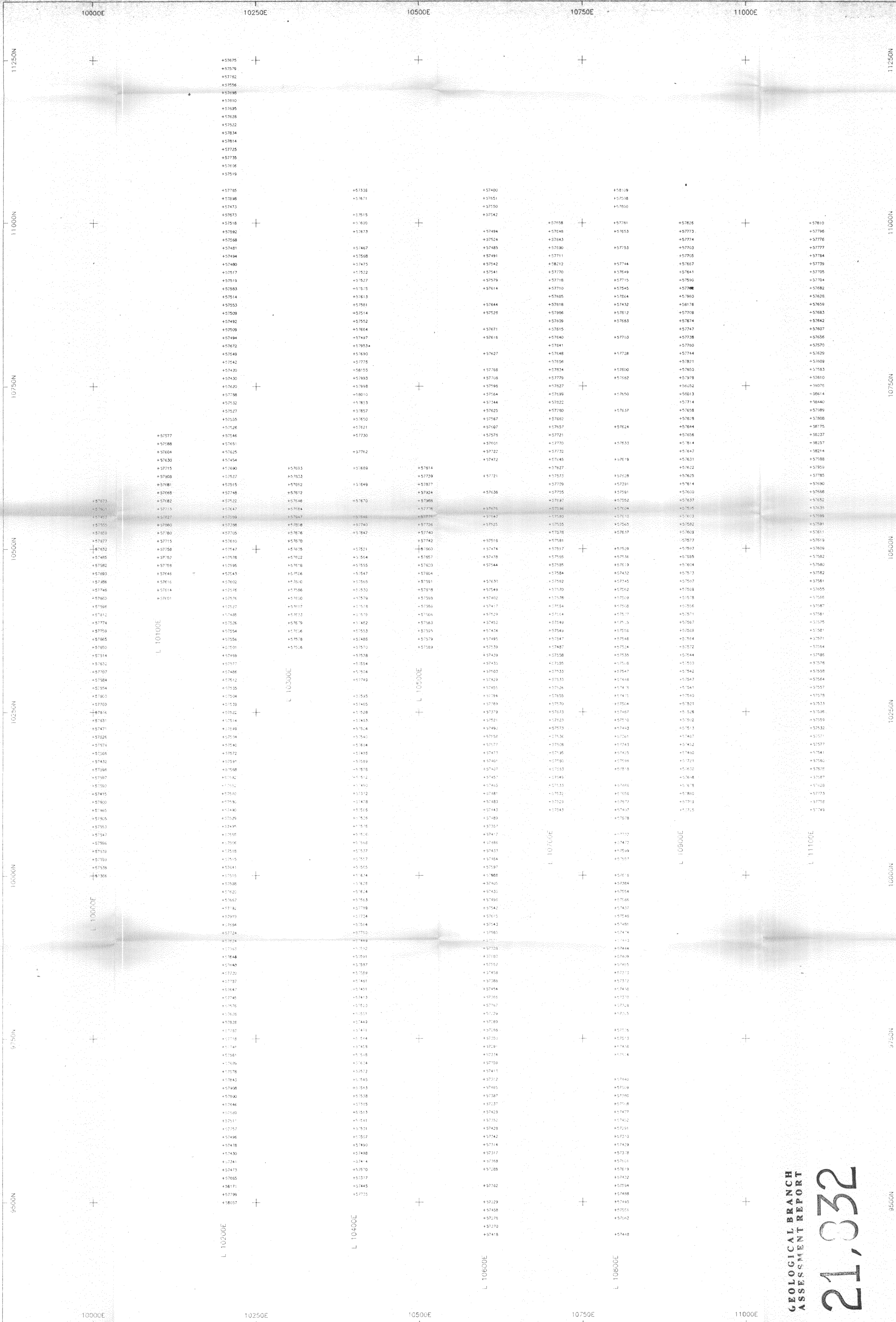
0 50 100 150 200
METERS

NN

+ MAG (gammas)

DRAWN BY: mrs | DATE: Aug/91
SCOTT GEOPHYSICS LTD. | MAP: 33

SURVEY SPECIFICATIONS
survey Scintrex MP4
base magnetometer Geometrics 816
type proton
posted value total field
units gammas



SURVEY SPECIFICATIONS

survey magnetometer	Scintrex MP4	
base magnetometer	Geometrics 816	
type	proton	
posted value	total field	
units	gammas	

+MAG (gammas)

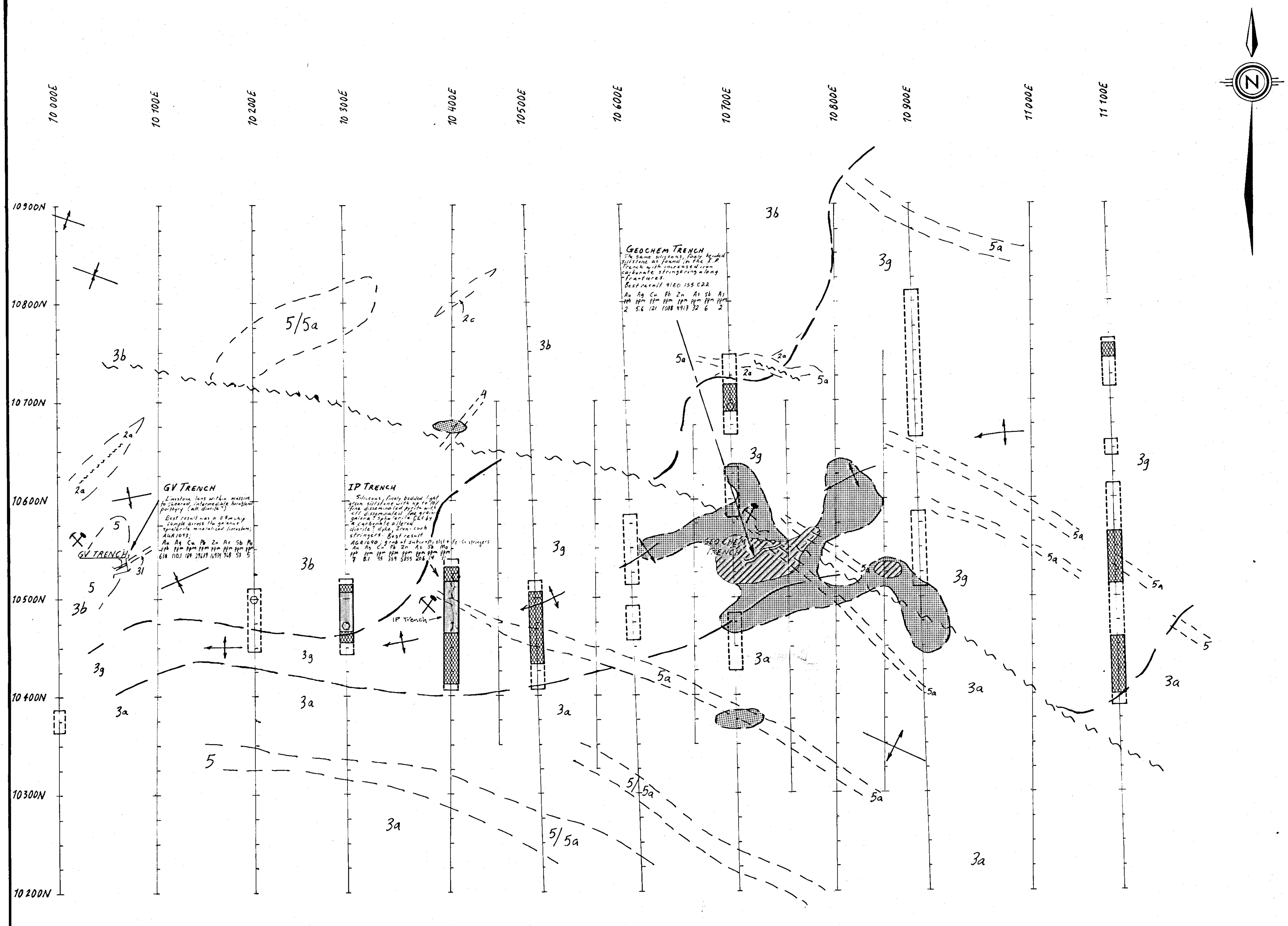
0 50 100 150 200
METERS

KEEWATIN ENGINEERING INC.

NORANDA QC 155 PROJECT

ISKUT AREA, B.C.
MAGNETOMETER VALUES

DRAWN BY: ars | DATE: Aug/91
SCOTT GEOPHYSICS LTD. | MAP: 34



LEGEND

GEOLOGY

6 Andesite dyke; fine grained, massive, variably pyritic.

5 Diorite dyke; medium grained, hornblende ± biotite, feldspar phyric, variably magnetic.

5a Altered diorite dyke, variably silicified, chlorite replaced hornblende, biotite. Occasionally carbonate altered.

4 Felsic dyke; undifferentiated.

4m Felsic dyke; massive.

4f Felsic dyke; flow banded.

3l Limestone.

3g Siltstone; massive to finely bedded, light green to green grey, finely laminated ash tuff interbedded horizons. Occasional fine pyrite beds from 1 mm to 3 mm widths. Rare finely disseminated galena, possible sphalerite.

3b Well bedded siltstone, argillite with lesser interbedded sandstone and wacke. Rare andesitic tuff.

3a Sandstone, greywacke, conglomerate interbedded with argillite.

2 2c Plagioclase porphyritic andesite, agglomerate; and acicular hornblende porphyritic andesite.

2b Welded felsic ash tuff - finely laminated, light green.

2a Interbedded andesite tuff and agglomerate, zones of plagioclase pyroxene and hornblende phenocryst. Minor welded ash tuffs.

1 Banded rhyolite, flow banded rhyolite, commonly brecciated by barite veining.

SYMBOLS

- Rock Sample Locations
- Rock Chip Sample Location
- Rock Float Sample Location
- Silt Sample Location
- Soil Sample Location (Grid)
- Soil Sample Location (Off Grid)
- Area of Outcrop
- Drainage, Direction of Flow
- Strike and Dip, Tops Unknown (Bedding)
- Strike and Dip of Beds, Tops Known
- Overturned Beds
- Fault; Known, Interpreted
- Contacts; defined, approx., assumed
- Trench
- Test Pit
- Subcrop/Talus/Rubble Zone
- Iron Carbonate (± Barite) Stringer Zone ± Galena, Sphalerite
- Claim Post
- Zinc Geochemistry Soil Anomaly Area (> 800ppm Zn)
- Lead Geochemistry Soil Anomaly Area (> 400ppm Pb)
- Mineralized Area

Chargability Anomaly (n=1, mV/V)

- > 25 mV/V
- > 20 mV/V
- > 15 mV/V

ABBREVIATIONS

Slst	Siltstone
Sst	Sandstone
Fe	Iron
Cc	Carbonate
Vn	Vein
Brx	Breccia
Py	Pyrite
Qtz	Quartz

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,832

ASCOT RESOURCES LTD.

NORANDA Q.C. PROPERTY

COMPILATION MAP
ANOMALOUS ZONE

GEOLOGICAL - GEOCHEMICAL - GEOPHYSICAL

DATE: Oct., 1991	NTS: 104G/16E,9E
PROJECT:	PROJ. GEOL.: A.M. Gibson
SCALE: 1:2500	
Keewatin Engineering Inc.	MAP No. 4

KEEWATIN ENGINEERING INC.

NORANDA QC 155 PROJECT, ISKUT AREA, B.C.

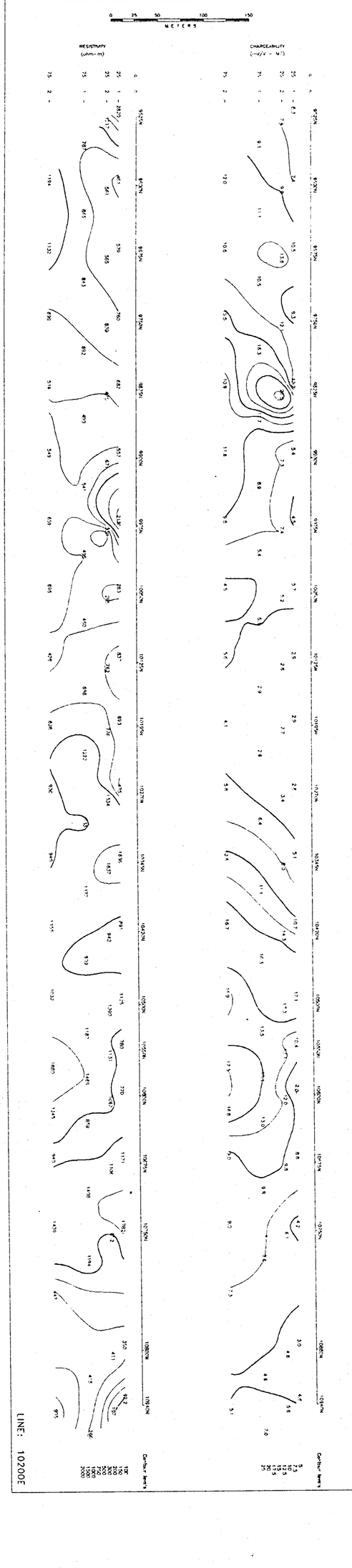
LINE: 10200E

INDUCED POLARIZATION SURVEY (Pole-Dipole Array)

SCOTT GEOPHYSICS LTD. Scintrex IPP-11

91/07/31 Pulse Rate: 2 sec

current electrode south of potential electrodes



KEEWATIN ENGINEERING INC.

NORANDA QC 155 PROJECT, ISKUT AREA, B.C.

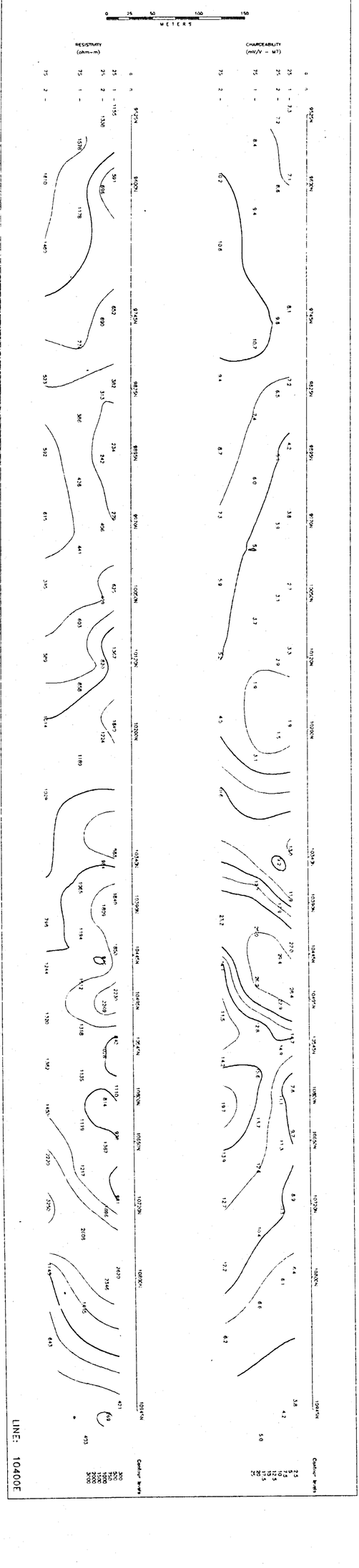
LINE: 10400E

INDUCED POLARIZATION SURVEY (Pole-Dipole Array)

SCOTT GEOPHYSICS LTD. Scintrex IPP-11

91/07/31 Pulse Rate: 2 sec

current electrode south of potential electrodes

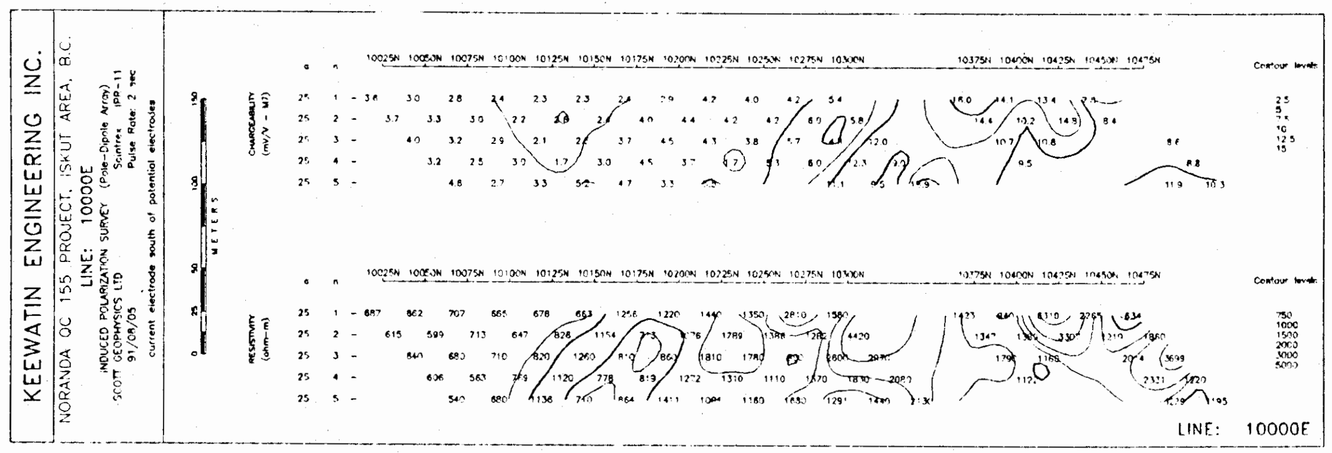


KEEWATIN ENGINEERING INC.

NORANDA QC 155 PROJECT, ISKUT AREA, B.C.

LINE: 10000E

INDUCED POLARIZATION SURVEY (Pole-Dipole Array)
SCOTT GEOPHYSICS LTD. Sprotex IP32-11
91/09/05 Pulse Rate: 2 sec
current electrode south of potential electrodes

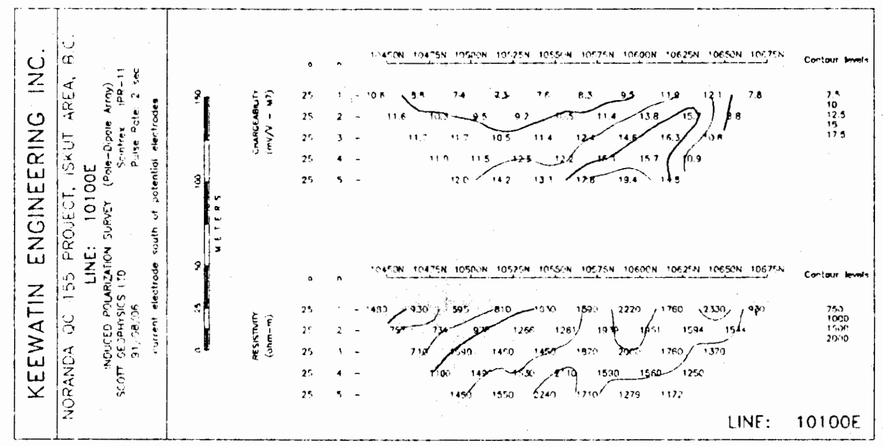


KEEWATIN ENGINEERING INC.

NORANDA QC 155 PROJECT, ISKUT AREA, B.C.

LINE: 10100E

INDUCED POLARIZATION SURVEY (Pole-Dipole Array)
SCOTT GEOPHYSICS LTD. Sprotex IP32-11
91/09/05 Pulse Rate: 2 sec
current electrode south of potential electrodes

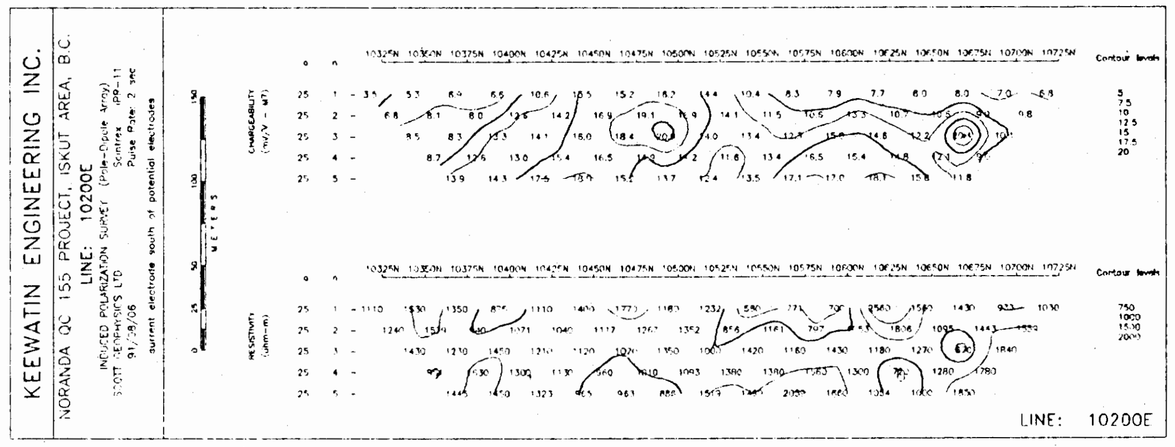


KEEWATIN ENGINEERING INC.

NORANDA QC 155 PROJECT, ISKUT AREA, B.C.

LINE: 10200E

INDUCED POLARIZATION SURVEY (Pole-Dipole Array)
SCOTT GEOPHYSICS LTD. Sprotex IP32-11
91/09/05 Pulse Rate: 2 sec
current electrode south of potential electrodes

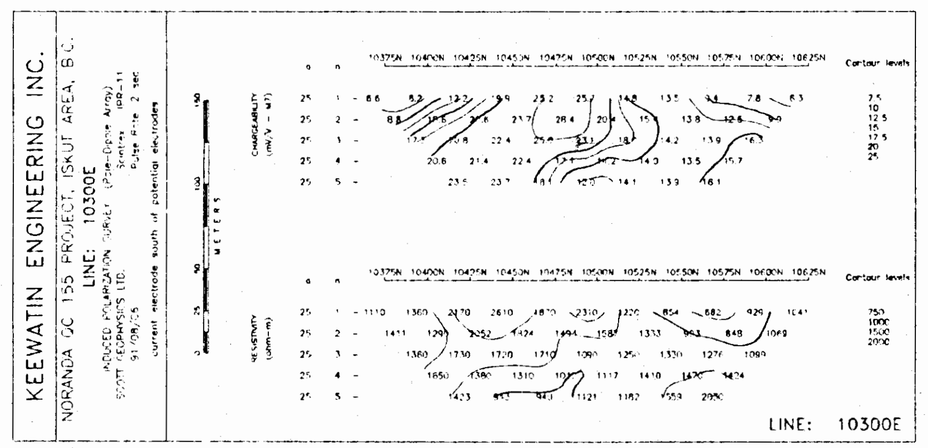


KEEWATIN ENGINEERING INC.

NORANDA QC 155 PROJECT, ISKUT AREA, B.C.

LINE: 10300E

INDUCED POLARIZATION SURVEY (Pole-Dipole Array)
SCOTT GEOPHYSICS LTD. Sprotex IP32-11
91/09/05 Pulse Rate: 2 sec
current electrode south of potential electrodes

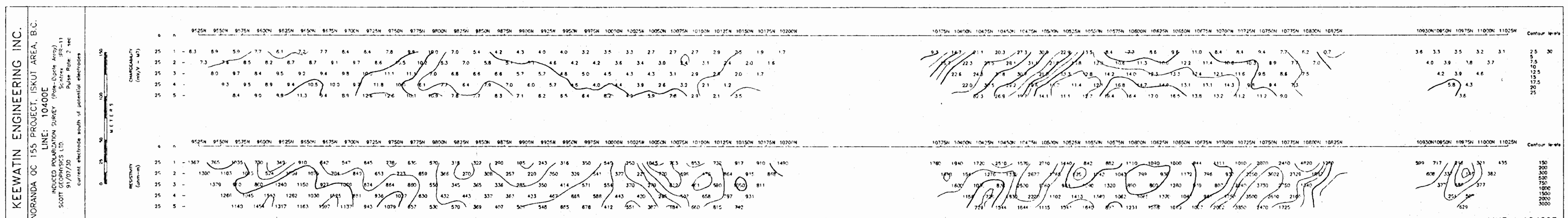


KEEWATIN ENGINEERING INC.

NORANDA QC 155 PROJECT, ISKUT AREA, B.C.

LINE: 10400E

INDUCED POLARIZATION SURVEY (Pole-Dipole Array)
SCOTT GEOPHYSICS LTD. Sprotex IP32-11
91/09/05 Pulse Rate: 2 sec
current electrode south of potential electrodes



GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,832

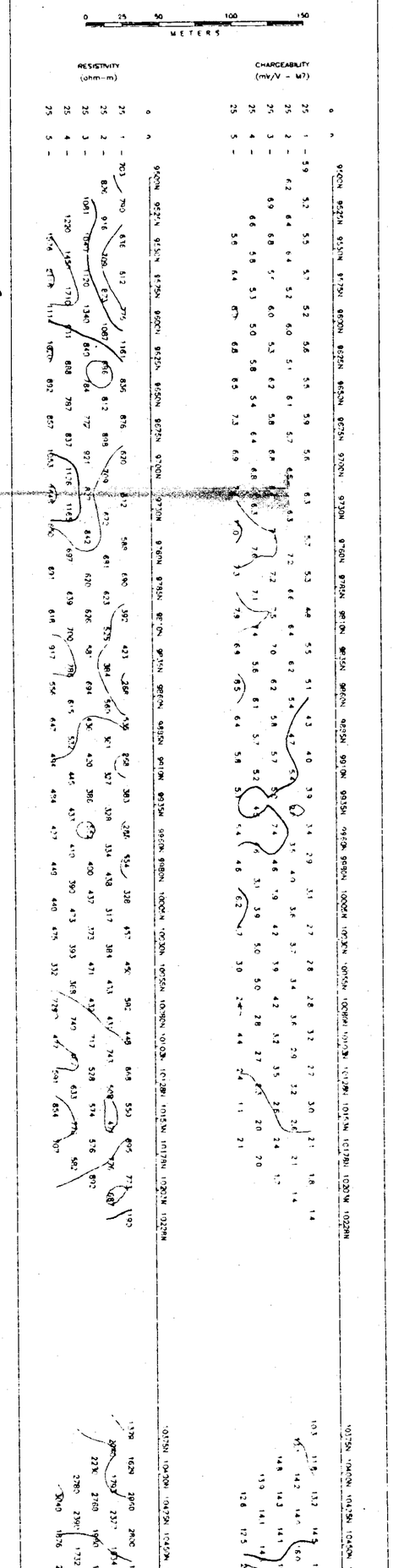
KEEWATIN ENGINEERING INC.

NORANDA QC 155 PROJECT, ISKUT AREA, B.C.

LINE: 10600E

INDUCED POLARIZATION SURVEY (Pole-Dipole Array)
SCOTT GEOPHYSICS LTD. Scintrex IPR-11
91/07/31 Pulse Rate: 2 sec

current electrode south of potential electrodes



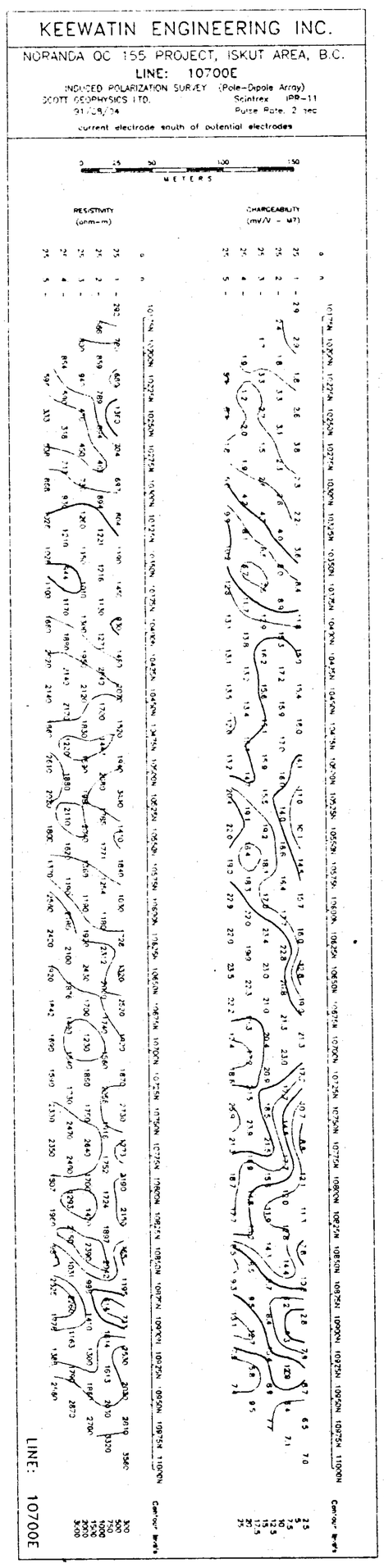
KEEWATIN ENGINEERING INC.

NORANDA QC 155 PROJECT, ISKUT AREA, B.C.

LINE: 10700E

INDUCED POLARIZATION SURVEY (Pole-Dipole Array)
SCOTT GEOPHYSICS LTD. Scintrex IPR-11
91/08/04 Pulse Rate: 2 sec

current electrode south of potential electrodes



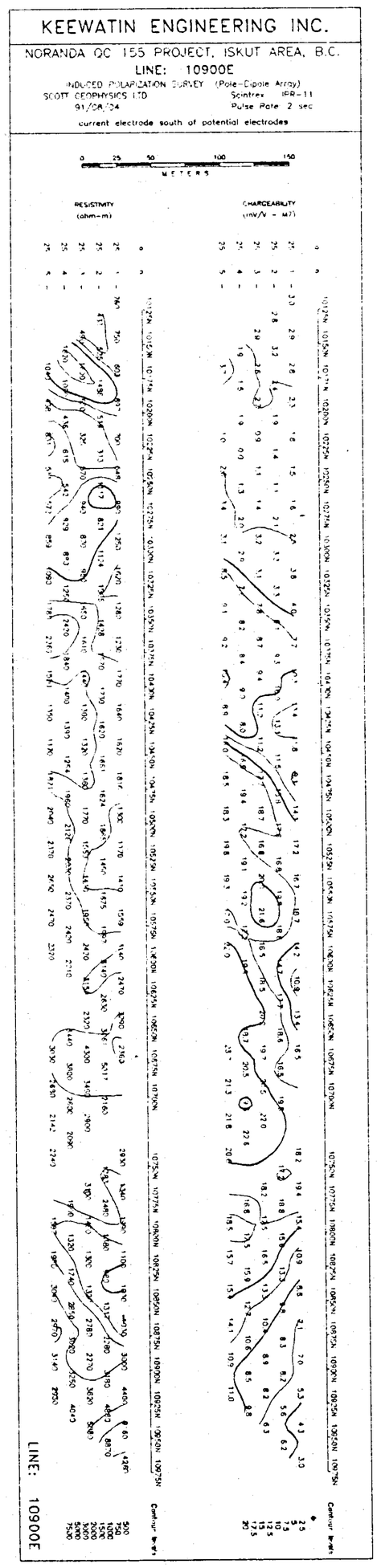
KEEWATIN ENGINEERING INC.

NORANDA QC 155 PROJECT, ISKUT AREA, B.C.

LINE: 10900E

INDUCED POLARIZATION SURVEY (Pole-Dipole Array)
SCOTT GEOPHYSICS LTD. Scintrex IPR-11
91/08/04 Pulse Rate: 2 sec

current electrode south of potential electrodes



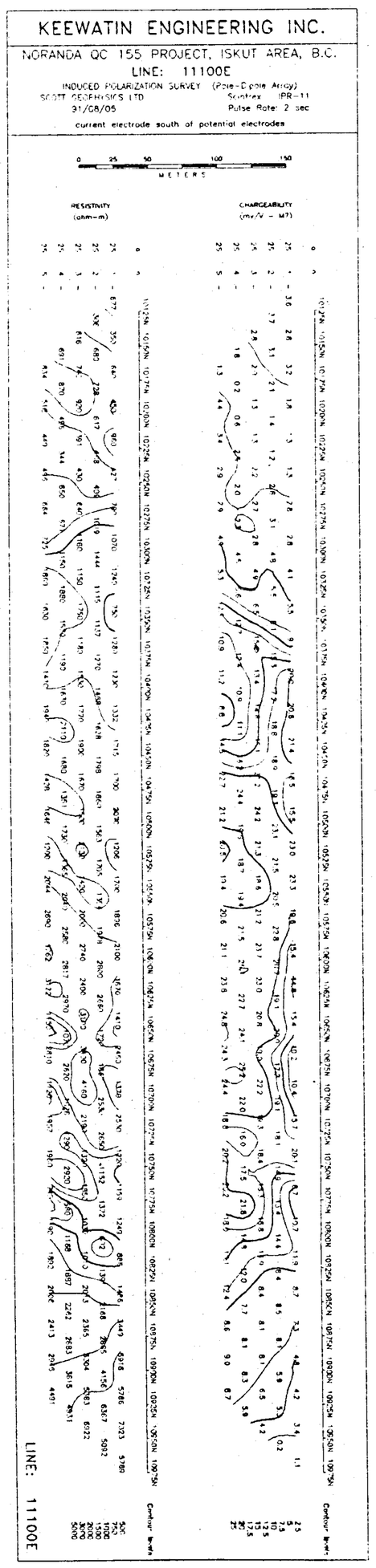
KEEWATIN ENGINEERING INC.

NORANDA QC 155 PROJECT, ISKUT AREA, B.C.

LINE: 11100E

INDUCED POLARIZATION SURVEY (Pole-Dipole Array)
SCOTT GEOPHYSICS LTD. Scintrex IPR-11
91/08/05 Pulse Rate: 2 sec

current electrode south of potential electrodes



KEEWATIN ENGINEERING INC.

NORANDA QC 155 PROJECT, ISKUT AREA, B.C.

LINE: 10500E

INDUCED POLARIZATION SURVEY (Pole-Dipole Array)
SCOTT GEOPHYSICS LTD. Scintrex IPR-11
91/08/06 Pulse Rate: 2 sec

current electrode south of potential electrodes