ASSESSMENT REPORT

on the

NI CLAIMS
YB57993 - YB57998

and the

NI 7-30 CLAIMS
YB67244 - YB67267
YUKON TERRITORY

093737

WHITEHORSE MINING DISTRICT
N.T.S. 105D/10

Latitude: 60° 32′ 30″ N
Longitude: 134° 46′ 00″ W

OWNER: BRIAN CARTER
OPTIONER: RFH INVESTMENTS
MANAGER: NICHOLSON and ASSOCIATES
1210-675 West Hastings Street
Vancouver, B.C.
V6B 1N2

Vancouver, B.C
March 20, 1997

George E. Nicholson, P. Geo
Dean Barron, B.Sc

TTL File # 15329.ni

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of $ 25,000 .

for Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

SUMMARY

The NI claims are located approximately 26 kilometres southeast of Whitehorse in the Yukon Territory. Brian J. Carter of Whitehorse is the owner of these 30 two-post claims, which he staked in 1995 and 1996. Access to the NI claims is by ATV bike along an old cat road commencing seven kilometres south of Carcross Corner, Yukon Territory.

The NI claims are located within the Whitehorse Trough, one of several terranes comprising the Yukon extension of the island arc-related allochthonous Intermontane Belt. Within the Whitehorse Trough, the NI claims are underlain most extensively by the Upper Triassic Lewes River limestone unit and to a lesser extent by other Lewes River sediments to the west and Lower to Middle Jurassic Laberge sediments to the east. The southernmost NI claims are underlain by the Mt. Lorne Pluton, a Late Cretaceous Coast Range quartz monzonite intrusion. The geological setting of the NI claims is very similar to that of the nearby Whitehorse Copper Belt. This is a northwest trending zone of copper bearing skarns 30 kilometres long in which ore bodies occur mainly within limestone of the Lewes River Group adjacent to or within a few hundred feet of intrusive contacts.

The NI claims were staked eleven times between 1959 and 1980, however, the only assessment work completed was the excavation of six bulldozer trenches in 1967. In 1995, after collecting several rock samples which returned gold values of up to 0.970 oz/ton Au, Brian Carter staked the NI 1 to NI 6 claims. Also in 1995, Kennecott Canada Inc. visited the property, taking samples which obtained values of up to 16.5 g/ton Au and 8090 ppb Au. Near the same time, samples taken by Hemlo Gold Mines Inc. returned values of up to 3150 ppb Au. In 1996, based on these sample results, Mr. Carter staked the NI 7 to 30 claims.

From September 4 to November 5, 1996, personnel from Nicholson and Associates conducted a program of geologic mapping, prospecting, rock, soil and silt sampling, and VLF-EM and magnetic surveys on the NI claims. A total of three kilometres of baseline and 114 kilometres of grid lines were established, with 23.5 kilometres of VLF-EM and 32.1 kilometres of magnetic survey completed. In addition 41 rock chip

samples, 18 soil samples and two silt samples were collected and analyzed. Expenditures by Nicholson and Associates on the NI claims for the 1996 exploration programme totalled $95,520.00.

The main rock types found on the property include limestone, limestone conglomerate, black siltstone and several phases of dykes, dominantly felsic to intermediate. The highest gold and arsenic values attained from the property were from some of these dykes. A chalcopyrite / malachite rich sample taken from a garnet skarn outcrop near the southern property boundary, Dcos96-01, returned 4699 ppm Cu and 1.9 ppm Ag. This sample contained two to three percent chalcopyrite and one percent pyrite. Soil samples taken from a small test area returned up to 60 ppb Au. The VLF-EM and magnetic surveys both reveal linear structures, possibly magnetic dykes, which may be associated with mineralization.

More work, including extending the VLF-EM and magnetic surveys and continuing the geological mapping and prospecting programmes, should be done on the NI claims to further evaluate the potential of the property to host a copper skarn or copper-gold skarn deposit similar to those of the Whitehorse Copper Belt.

TABLE OF CONTENTS

LIST OF FIGURES

Page

INTRODUCTION

The NI claims, consisting of contiguous claims NI-1 through NI-30, are situated near the town of Whitehorse in the Yukon Territory and are owned by Brian J. Carter of Whitehorse. Nicholson and Associates conducted an exploration programme on the NI claims from September 4 to November 5, 1996, at which time several heavy snowfalls blanketed the property and effectively put an end to the programme.

The program undertaken established a property-wide line grid, detailed geologic mapping, sampled rock chips, soil and silt, prospected and staked new mineralized zones. In addition, VLF-EM and magnetic surveys were conducted in an effort to trace mineralized structures along strike.

Prospecting on the NI claims led to the discovery of a significant copper showing at the southern end of the NI claims.

This report is a description of the work performed on the NI claims by Nicholson and Associates in 1996.

LOCATION AND ACCESS

The NI claims are located approximately 26 kilometres southeast of Whitehorse in the Yukon Territory and are ten kilometres southeast of the Klondike Highway/Alaska Highway intersection at Carcross Corner, Yukon Territory (Figure 1). The claims are centred at latitude 60°32'30" N and longitude 134°46'00" W on N.T.S. map sheet 105D/10, near Mt. Lorne in the Whitehorse Mining District.

The NI claims are accessible via ATV bike on a six kilometres long old cat road which turns east off the Klondike Highway seven kilometres south of Carcross Corner which is approximately 20 kilometres southeast of Whitehorse on the Alaska Highway. Alternately, the property can be reached from Whitehorse by a half-hour helicopter flight.

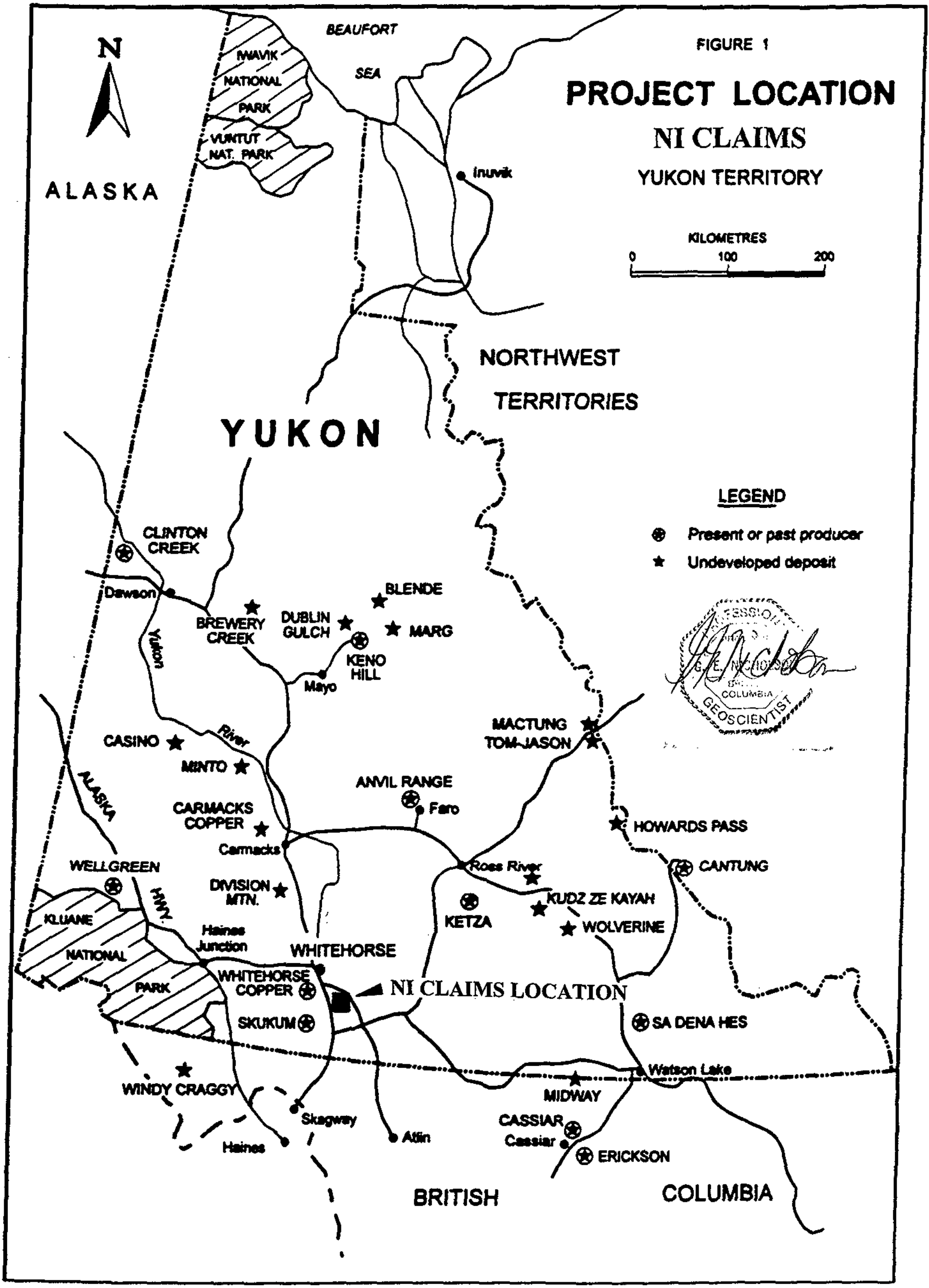


FIGURE 1
PROJECT LOCATION
NI CLAIMS
YUKON TERRITORY
KILOMETRES
0
100
200
N
ALASKA
BEAUFORT
SEA
IVAVIK NATIONAL PARK
VUNTUT NAT. PARK
Inuvik
NORTHWEST TERRITORIES
YUKON
LEGEND
Present or past producer
Undeveloped deposit
CLINTON CREEK
Dawson
BREWERY CREEK
DUBLIN GULCH
BLENDE
MARG
KENO HILL
Mayo
Yukon River
CASINO
MINTO
MACTUNG
TOM-JASON
ANVIL RANGE
Faro
CARMACKS COPPER
Carmacks
HOWARDS PASS
ALASKA
WELLGREEN
HWY.
DIVISION MTN.
Ross River
CANTUNG
KUDZ ZE KAYAH
KETZA
WOLVERINE
KLUANE NATIONAL PARK
Haines Junction
WHITEHORSE
WHITEHORSE COPPER
NI CLAIMS LOCATION
SKUKUM
SA DENA HES
Watson Lake
WINDY CRAGGY
MIDWAY
Skagway
CASSIAR
Cassiar
Haines
Atlin
ERICKSON
BRITISH COLUMBIA

PHYSIOGRAPHY AND CLIMATE

The NI claims encompass gently rolling hills with a maximum elevation of just over 4600 feet (1400 m), surrounded by lower lying coniferous forest and swamp with a minimum elevation of approximately 3800 feet (1160 m). The alpine and sub-alpine hilltops account for roughly thirty percent of the area enclosed by the claims and it is upon one of these hilltops that the trenches and previously known showings occur.

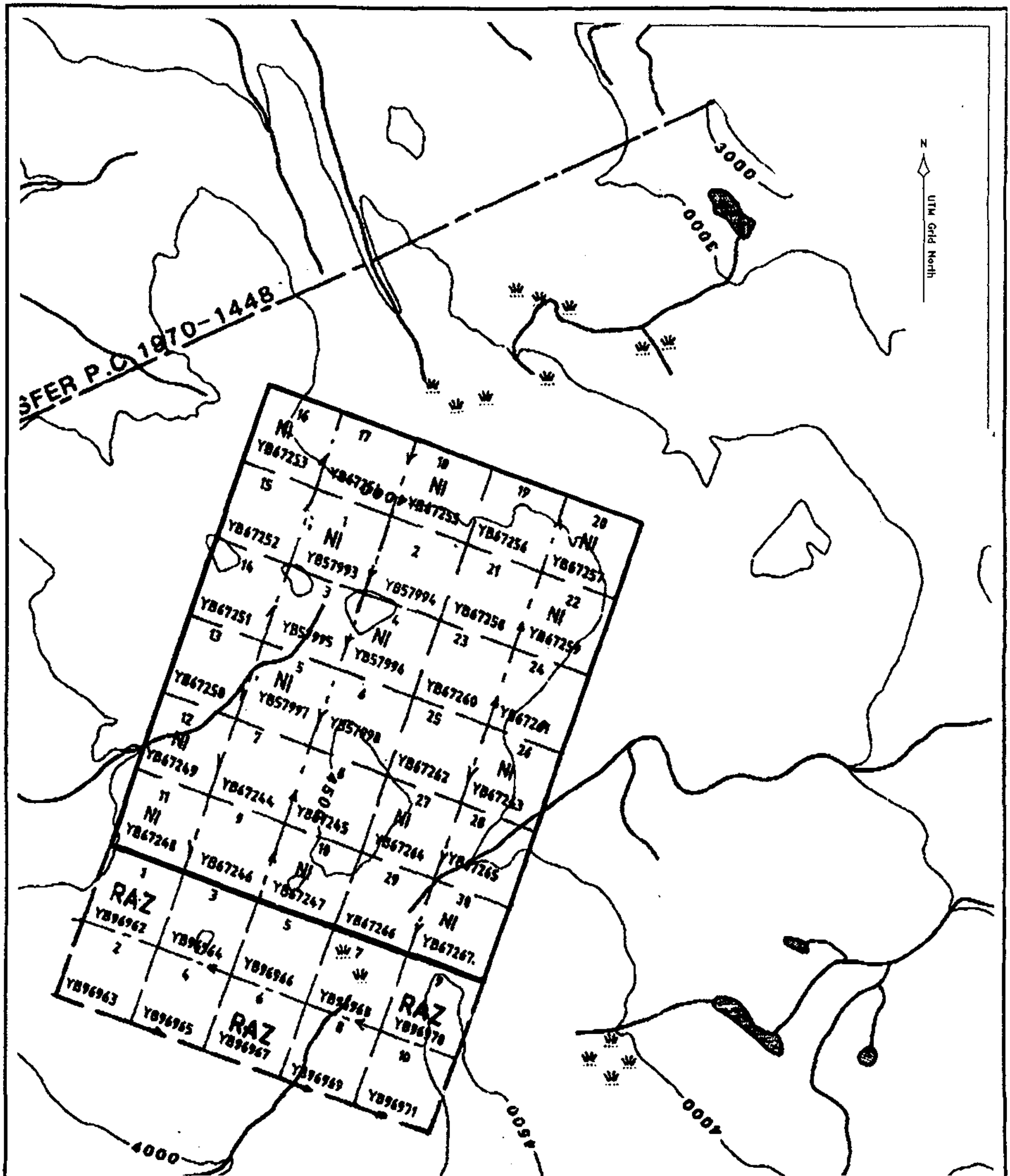
Due to the northern location and elevation, the area experiences warm dry summers and long cold winters. Much of the precipitation falls as snow from October through May, effectively limiting the field season to the months of June to September.

CLAIM INFORMATION

The NI 1 to NI 30 claims are located in the Whitehorse Mining District, Yukon Territory on N.T.S. map sheet 105D/10 (Figure 2). Claims NI 1 to NI 6 were staked in July 1995, with claims NI 7 to NI 30 being staked the following year, in July 1996. They are all 100 percent owned by Brian J. Carter of Whitehorse. Claim information is summarized below:

Claim Name	Grant Number	Expiry Date	N.T.S. Map
NI 1	YB57993	07-28-2001	105D/10
NI 2	YB57994	07-28-2001	105D/10
NI 3	YB57995	07-28-2001	105D/10
NI 4	YB57996	07-28-2001	105D/10
NI 5	YB57997	07-28-2001	105D/10
NI 6	YB57998	07-28-2001	105D/10
NI 7	YB67244	07-10-1997	105D/10
NI 8	YB67245	07-10-1997	105D/10
NI 9	YB67246	07-10-1997	105D/10
NI 1	YB67247	07-10-1997	105D/10
NI 11	YB67248	07-10-1997	105D/10
NI 12	YB67249	07-10-1997	105D/10
NI 13	YB67250	07-10-1997	105D/10
NI 14	YB67251	07-10-1997	105D/10
NI 15	YB67252	07-10-1997	105D/10
NI 16	YB67253	07-10-1997	105D/10
NI 17	YB67254	07-10-1997	105D/10
NI 18	YB67255	07-10-1997	105D/10
NI 19	YB67256	07-10-1997	105D/10
NI 20	YB67257	07-10-1997	105D/10
NI 21	YB67258	07-10-1997	105D/10
NI 22	YB67259	07-10-1997	105D/10
NI 23	YB67260	07-10-1997	105D/10
NI 24	YB67261	07-10-1997	105D/10
NI 25	YB67262	07-10-1997	105D/10
NI 26	YB67263	07-10-1997	105D/10
NI 27	YB67264	07-10-1997	105D/10
NI 28	YB67265	07-10-1997	105D/10
NI 29	YB67266	07-10-1997	105D/10
NI 30	YB67267	07-10-1997	105D/10

Total Claims: 30



LEGEND

elevation contour interval, (500 feet)	3500
stream, creek	
road, trail	
claim group boundary	
claim line	

PROFESSIONAL G. E. NICHOLSON GEOSCIENTIST

NI PROPERTY
Claim Location Map

NICHOLSON & ASSOCIATES

SCALE: 1 : 30 000		DATE: 97.04.23
NTS: 105 O/16	DRAWN: G.E.N.	FIGURE 2

PREVIOUS WORK HISTORY

The NI claims were staked eleven times between 1959 and 1980 under names such as Lucky, Kid, An, Owl, Axe, Ben, Fly, Lome, Tom, Ria and Les. Assessment work has consisted of excavating six bulldozer trenches on the Axe claims in 1967, when L. J. Doey owned them. He contracted a bulldozer for 43 hours to open a road from the Klondike Highway to the Axe claims and to dig a trench 180 feet long, six feet wide and 2 feet deep, as well conducted blasting in the trench. In 1969, he stripped 750 cubic yards of frozen ground with a D7 cat, and in 1970 1100 cubic yards of frozen ground and rock were stripped.

In 1994 Brian Carter prospected the showing, which consists of the bulldozer trenches and other stripped areas located in a 300m by 300m area on a rolling alpine hilltop. He collected several rock samples which gave anomalous gold values. One sample from an arsenopyrite-rich mafic dyke exposed in an old trench returned a value of 0.970 oz/ton Au, while another from a felsic dyke in a nearby trench contained 0.168 oz/ton gold.

He returned to the same showing in 1995, staked the NI 1 to 6 claims, and took more samples. Once again samples from the arsenopyrite-rich mafic dyke produced the highest gold values, at 0.633 oz/ton and 0.064 oz/ton. Later that summer, Kennecott Canada Inc. visited the property and took some grab and chip samples from the trenches, the highest of which attained values of 16.5 g/ton Au and 8090 ppb Au (both grab samples). Also in 1995, Hemlo Gold Mines Inc. sampled the showing and the grab samples attained values of up to 3150 ppb Au.

Based on these sample results, Mr. Carter had the NI 7 to 30 claims staked early in 1996.

REGIONAL GEOLOGY

The NI claims are located within the Whitehorse Trough, one of several terranes comprising the Yukon extension of the island arc-related allochthonous Intermontane Belt (Figure 3). The Whitehorse Trough consists of the following lithological units:

- Lewes River Group, an Upper Triassic island arc assemblage of mafic volcanic and volcano-sedimentary rocks including greywacke, siltstone, argillite and conglomerate, as well as an upper limestone unit.
- Laberge Group, a Lower and Middle Jurassic dominantly sedimentary assemblage, lithologically indistinguishable from Lewes River sediments but stratigraphically higher than the Upper Lewes River limestone.
- Tantalus Formation, an Upper Jurassic/Lower Cretaceous sedimentary - assemblage locally containing coal seams.

In this part of the Yukon Territory, the general trend of regional scale structures is northwest / southeast. This includes the Tintina and Denali Faults, major structural breaks, along which extensive dextral strike-slip displacement occur. A similar northwest / southeast trend is delineated by many of the terranes and lithological units of the area, as well as by the many anticlines and synclines seen in the sedimentary units, with sediments dipping generally from 30-60 degrees to the northeast and southwest.

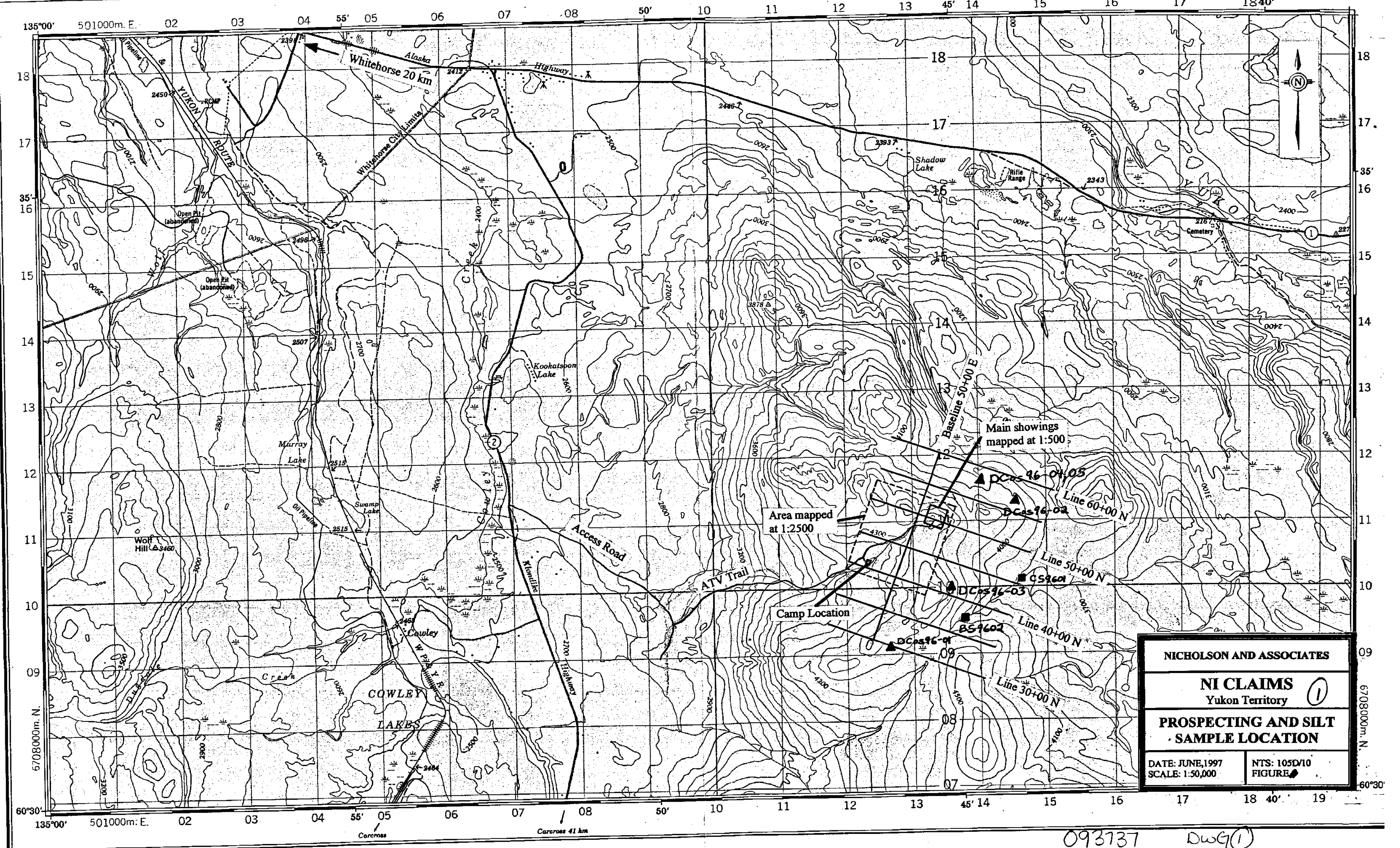
The Whitehorse Trough, as with all terranes in the Intermontane Belt, is intruded by plutonic suites of Mid-Cretaceous, Late Cretaceous and Eocene age. One such intrusive is the Late Cretaceous quartz monzonite Mt. Lorne pluton, part of which underlies the NI claims.

About five kilometres west of the city of Whitehorse (Figure 4) the Whitehorse Copper Belt lies within the Whitehorse Trough. It is a northwest trending zone of copper bearing skarns 30 kilometres long. Dominant rock types in the copper belt are clastic and carbonate rocks of the Upper Triassic Lewes River Group and clastic rocks of the Lower Jurassic Laberge Group. The copper bearing skarns occur over a length of about 32 kilometres along the western side of a Cretaceous dioritic batholith of the Coast Plutonic Complex.

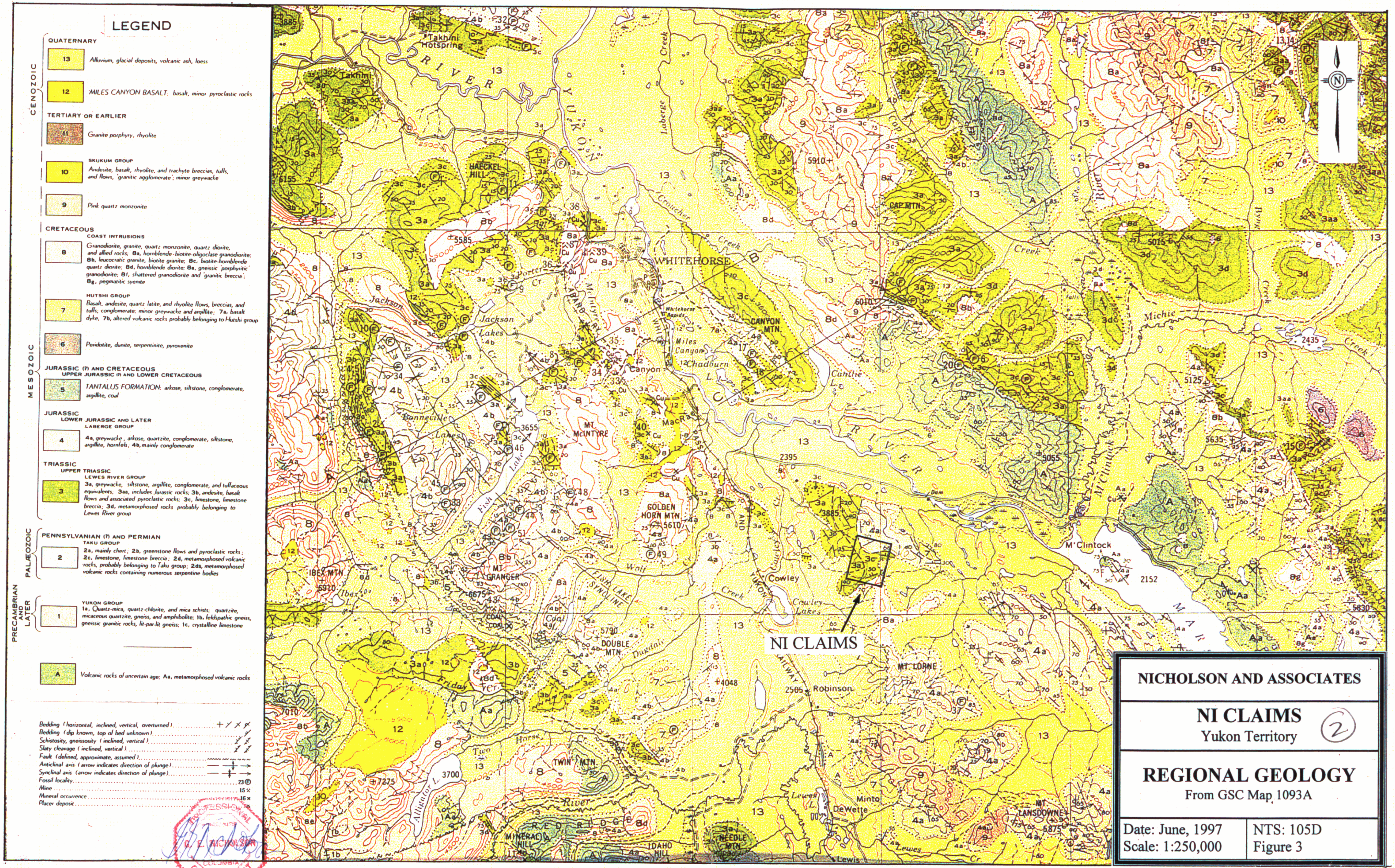
Most deposits of the Whitehorse Copper Belt share common characteristics. Ore bodies occur mainly within limestone of the Lewes River Group, adjacent to or within a few hundred feet of diorite contacts. The limestone of the Lewes River Group varies from a fine-grained graphitic type to a pure, massive, white, coarsely crystalline variety. Ore is associated with irregularities in the diorite contact; the largest deposits occur within roof or flank pendants. Most ore zones have irregular boundaries and vary in width and grade over short distances, but are generally tabular and oriented parallel to bedding. Limestone is generally present on the hanging wall side of the ore and 'quartzite' or silicate skarn is present on the footwall. The most extensive ore zones are developed where limestone/quartzite contact is parallel or nearly parallel to the intrusive contact.

The geological setting of the ore bodies of the Whitehorse Copper Belt is very similar to the geology underlying the NI claims. This, along with the proximity of the NI claims to the southern end of the Belt, gives the NI claims good potential to host a similar deposit as an along-strike extension of the Whitehorse Copper Belt.

05 D/10 1:50 000 CANADA 105 D/1



093737 DWG(1)



NICHOLSON AND ASSOCIATES

NI CLAIMS
Yukon Territory (2)

REGIONAL GEOLOGY
From GSC Map 1093A

Date: June, 1997 | NTS: 105D
Scale: 1:250,000 | Figure 3

LOCAL GEOLOGY

Within the Whitehorse Trough, the NI claims are underlain most extensively by the Upper Lewes River limestone unit, and to a lesser extent to the west by other Lewes River sediments and, to the east, Laberge sediments. The southernmost NI claims are underlain by the northern tip of the Mt. Lorne Pluton, a late Cretaceous Coast Range Intrusion described as "a biotite rich, locally feldspar porphyritic quartz monzonite with a granodioritic marginal phase" (Morrison, 1979).

For the most part, the sedimentary units appear to have conformable contacts with no obvious major structural breaks. Smaller scale strike-slip faults are common, both sinstral and dextral, commonly trending east / west and northeast / southwest. The sediments underlying the northern part of the property follow the regional trend in dipping moderately to the northeast and southwest, while, near the contact with the Mt. Lorne pluton in the south, the Lewes River limestone beds commonly dip 45 degrees NNW.

WORK PERFORMED

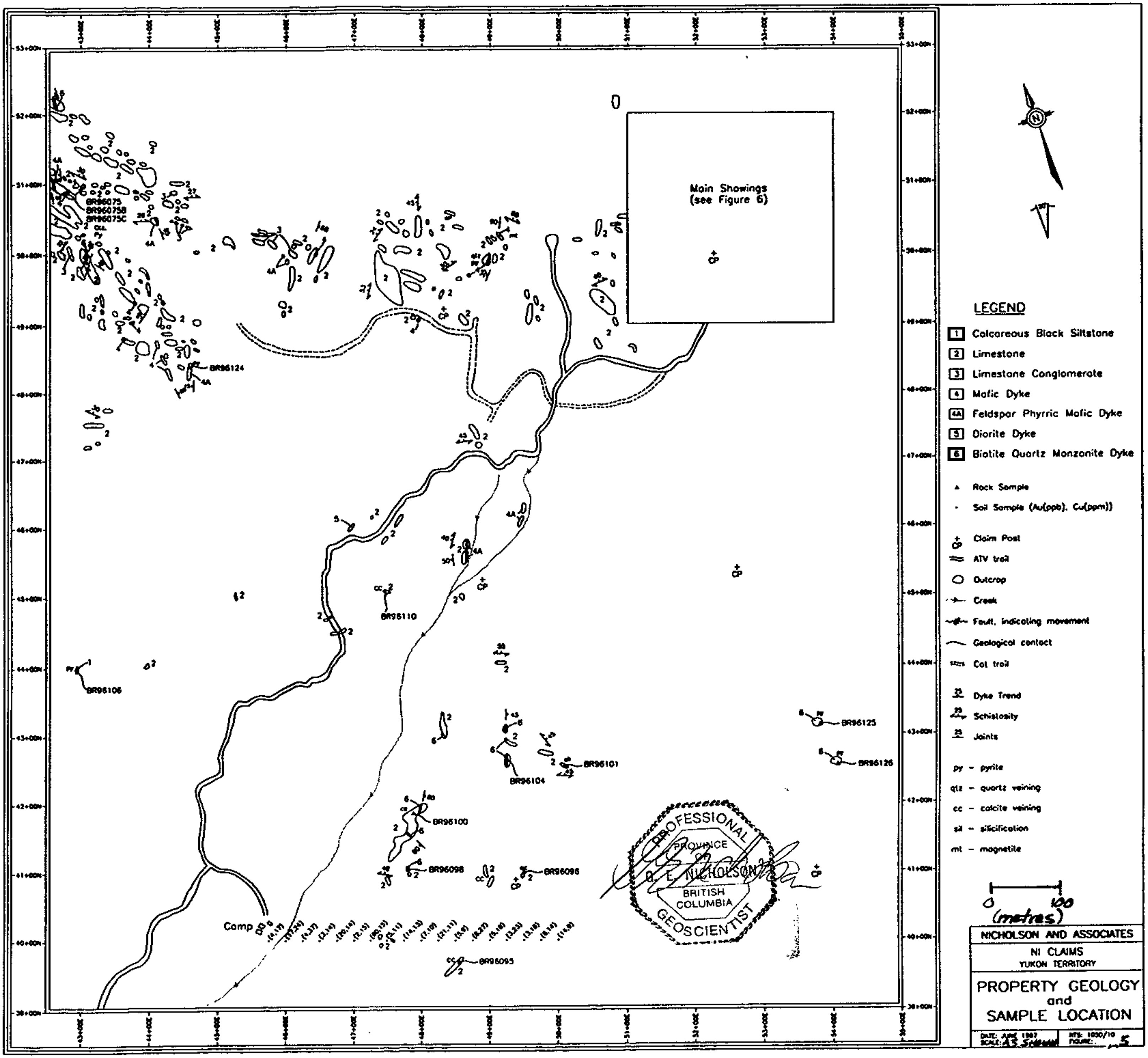
From September 4 to November 5, 1996, personnel from Nicholson and Associates conducted a program of grid establishment, geologic mapping, prospecting, rock chip, soil and silt sampling, and VLF-EM and magnetic surveys on the NI claims. A total of three kilometres of baseline and 114 kilometres of picketed grid lines were established, with 23.5 kilometres of VLF-EM and 32.1 kilometres of magnetic survey completed. In addition 41 rock chip samples, 18 soil samples and two silt samples were collected and analyzed.

A grid was constructed to cover the entire property of 30 claims measuring 2.5 kilometres wide by 3.0 kilometres long. A three kilometre long baseline was cut, blazed, flagged and picketed along an azimuth of 020 degrees, parallel to the claim lines. This baseline runs from line 30+00 N to line 60+00 N. 31 grid lines were established from 42+50E to 67+50E, each 2.5 kilometres long. These have flagged stations at 25 meter intervals and cross the baseline at 50+00E. These lines trend 110 degrees, and are spaced 100 meters apart, crossing the baseline every 100 meters between line 30+00 N and line 60+00 N.

In addition, in order to create a cross-hatch pattern to be used in conducting the VLF-EM survey, twelve grid lines were established parallel to the baseline at 020 degrees, crossing the existing lines. Stations on these lines were flagged every 25 meters, with the lines being spaced 200 meters, from 44+00E to 66+00E.

In the area of the earlier trenching, fill-in lines at 25 meter spacing were established with flagged stations at 25 meter intervals to provide tighter control in mapping the trenches and outcrops.

Upon completion of the grid, detailed geologic mapping at a scale of 1:500 was completed on the area surrounding the main showing, from line 49N to line 52N and from 51E to 54E. Twenty-two rock chip samples were collected over this area for analysis. The geology and sample locations of this area are plotted in Figure 5. A further 19 rock chip samples, along with 18 soil samples and two silt samples



Main Showings
(see Figure 6)
LEGEND
1 Calcareous Black Siltstone
2 Limestone
3 Limestone Conglomerate
4 Mafic Dyke
4A Feldspar Phyrric Mafic Dyke
5 Diorite Dyke
6 Biotite Quartz Monzonite Dyke
Rock Sample
Soil Sample (Au(ppb), Cu(ppm))
Claim Post
ATV trail
Outcrop
Creek
Fault, indicating movement
Geological contact
Cat trail
Dyke Trend
Schistosity
Joints
py - pyrite
qtz - quartz veining
cc - calcite veining
sil - silicification
mt - magnetite
0 100
(metres)
NICHOLSON AND ASSOCIATES
NI CLAIMS
YUKON TERRITORY
PROPERTY GEOLOGY
and
SAMPLE LOCATION
BR96075
BR96075B
BR96075C
BR96124
BR96110
BR96106
BR96125
BR96126
BR96101
BR96104
BR96100
BR96098
BR96096
BR96095
Camp
PROFESSIONAL
PROVINCE
OF
D. E. NICHOLSON
BRITISH
COLUMBIA
GEOSCIENTIST

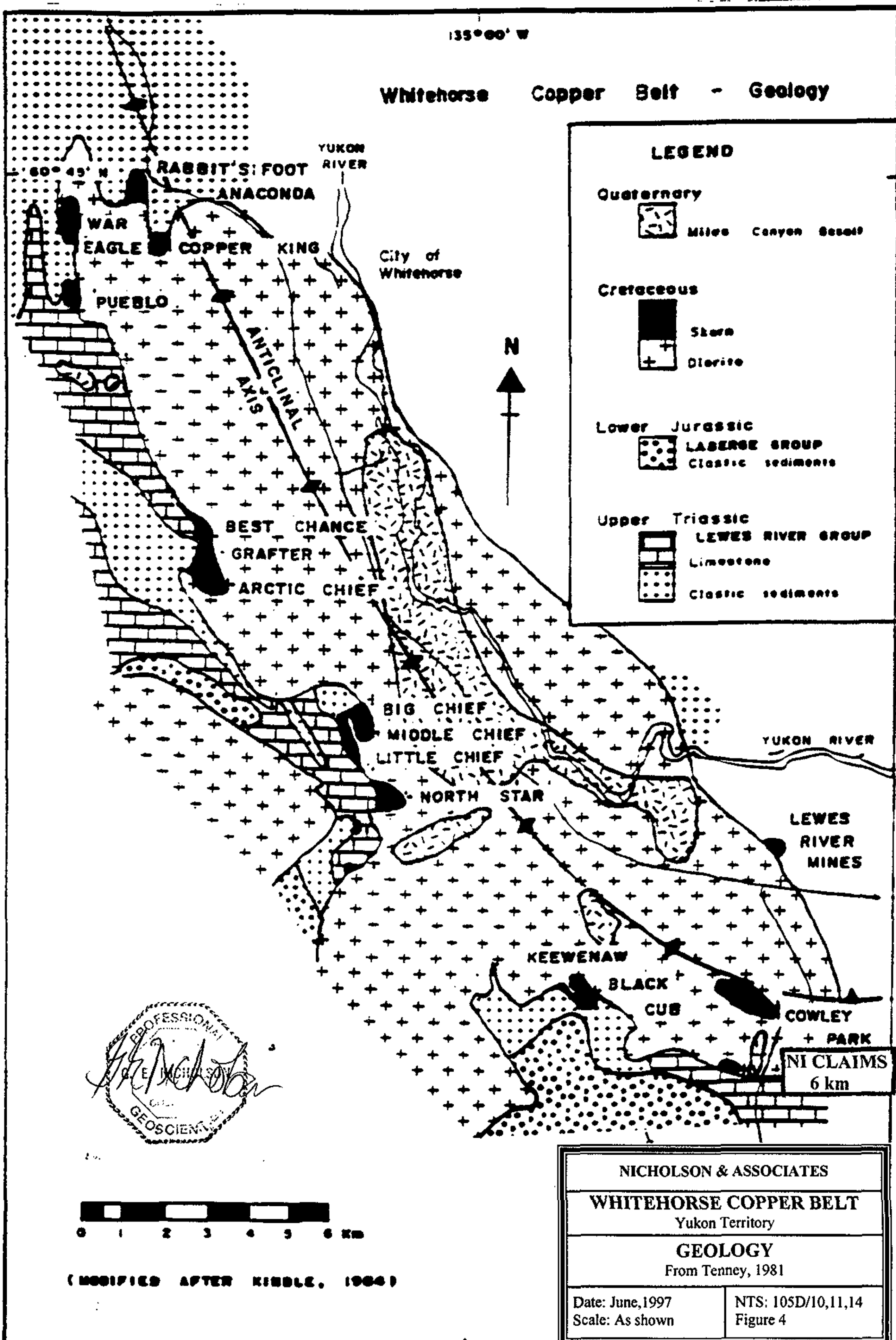
were collected from the rest of the property, a portion of which was mapped at a scale of 1:2500 (Figure 6), before the ground was covered with snow.

All samples were shipped to International Plasma Laboratories in Vancouver where they were analyzed by ICP with an A.A. for gold. Analytical results along with details of analytical procedures are given in Appendix three at the back of this report. All rock samples analyzed are described in Appendix four.

A blasting programme was planned to reopen some of the older trenches and open several new ones in order to sample further the area surrounding the known showings. However, due to time constraints and heavy snowfall, which made access difficult and somewhat treacherous, it was decided to forgo blasting until the following year.

Prospecting on the property led to the discovery of an in-situ chalcopyrite/malachite occurrence near the southern property boundary. This showing may extend beyond the southern boundary of the property. One copper-rich sample from this area was sent to Vancouver Petrographics in Langley, BC for petrographic analysis. The resulting petrographic report can be found in Appendix three.

With the onset of snow forcing an end to all other fieldwork, the VLF-EM and magnetic surveys were begun. The VLF-EM survey utilized a Geonics EM-16 VLF-EM, with readings taken at 25 meter intervals on grid lines spaced 100 meters apart and also on the baseline-parallel cross-hatch lines, spaced 200 meters apart. The magnetic survey utilized an OMNI IV magnetometer which took readings at 25-meter intervals along grid lines spaced 100 meters apart. A total of 23.5 kilometres of VLF-EM data and 32.1 kilometres of magnetic data was collected. Lloyd Geophysics Inc. of Vancouver, BC analyzed and interpreted the data and produced the VLF-EM and magnetic survey maps, shown in figures eight and nine respectively.

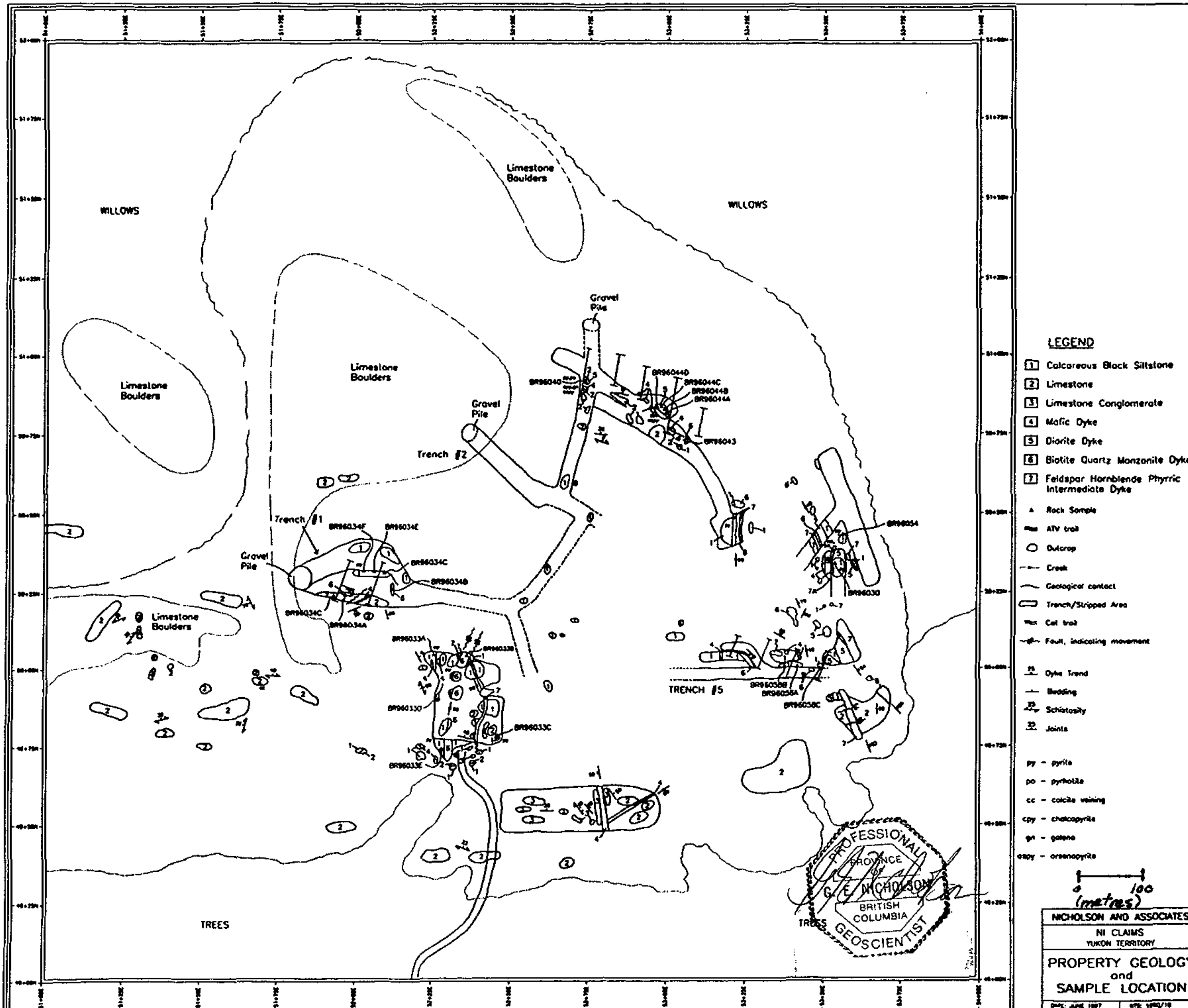


NICHOLSON & ASSOCIATES

WHITEHORSE COPPER BELT
Yukon Territory

GEOLOGY
From Tenney, 1981

Date: June,1997 Scale: As shown	NTS: 105D/10,11,14 Figure 4



WILLOWS
Limestone Boulders
WILLOWS
Gravel Pile
Limestone Boulders
Limestone Boulders
Gravel Pile
Trench #2
Trench #1
Gravel Pile
Limestone Boulders
BR96040
BR96044D
BR96044C
BR96044B
BR96044A
BR96043
BR96054
BR96030
BR96034F
BR96034E
BR96034C
BR96034B
BR96034A
BR96033A
BR96033B
BR96033D
BR96033C
BR96033E
TRENCH #5
BR96058B
BR96058A
BR96058C
TREES
TREES
LEGEND
1 Calcareous Black Siltstone
2 Limestone
3 Limestone Conglomerate
4 Mafic Dyke
5 Diorite Dyke
6 Biotite Quartz Monzonite Dyke
7 Feldspar Hornblende Phyrric Intermediate Dyke
Rock Sample
ATV trail
Outcrop
Creek
Geological contact
Trench/Stripped Area
Cat trail
Fault, indicating movement
Dyke Trend
Bedding
Schistosity
Joints
py - pyrite
po - pyrrhotite
cc - calcite veining
cpy - chalcopyrite
gn - galena
aspy - arsenopyrite
0 100
(metres)
NICHOLSON AND ASSOCIATES
NI CLAIMS
YUKON TERRITORY
PROPERTY GEOLOGY
and
SAMPLE LOCATION
PROFESSIONAL
PROVINCE OF
G. E. NICHOLSON
BRITISH COLUMBIA
GEOSCIENTIST

EXPLORATION RESULTS

Geological Mapping

Detailed geologic mapping on a scale of 1:500 was completed on the area surrounding the main showing (Figure 6); the rest of the property was mapped at a scale of 1:2500 (Figure 7). Photos of the mapped areas can be found in Appendix five. The main rock types found on the property include limestone, limestone conglomerate, calcareous black siltstone and several phases of dykes, dominantly felsic to intermediate, which may be related to the feldspar phyrric quartz monzonite Mt. Lorne pluton bordering on the southern boundary of the claims.

The limestone is light grey in color and occurs locally as thick massive beds with strong cleavage in varying directions. Occasionally bedding is seen dipping moderately to the north or northeast (115°26 NE). The limestone conglomerate is a similar light grey color and is entirely composed in places of well rounded limestone clasts up to 30 cm in diameter.

The calcareous black siltstone is strongly fissile and fractured and very often rusty as a result of locally dense accumulations of fine pyrite. Possibly due to its less resistive nature, the siltstone is seen mainly in the trenches and other stripped areas of the alpine hilltop, with outcrops of limestone and limestone conglomerate to the north, south and west. Very calcium carbonate-rich, the siltstone also dips moderately to the northeast (120°45NE).

The dark green mafic dykes are usually no more than one meter in width and fine to medium grained. Some have small amounts of magnetite and / or pyrite with little other mineralization. Some mafic dykes at the western edge of the property have abundant plagioclase phenocrysts up to one centimetre in diameter.

The diorite dykes are up to five meters in thickness, medium grained, and appear to be the most strongly mineralized, with one outcrop in trench three containing 2% pyrite, 1% chalcopyrite, traces of galena and pyrrhotite, and locally up to 15% arsenopyrite. A nearby outcrop, possibly of the same dyke, with similar amounts of pyrite and arsenopyrite was the source of past anomalous gold samples, and samples BR96044A-D of this programme.

The biotite quartz monzonite dykes are usually 1-3 meters thick, fine to coarse grained and contain up to 15% biotite crystals up to five centimetres in diameter. These are the most commonly seen and most resistive of the dykes, and are locally weakly magnetic with little mineralization.

The feldspar hornblende phyrric intermediate dykes are usually 2m wide and are also commonly seen in the trenches. These have a fine grained light grey/green matrix with feldspar and hornblende phenocrysts up to one centimetre, weather a tan color, and do not appear particularly related to mineralization.

Almost all of the dykes seen in outcrops are trending between 010 and 100 degrees, and are commonly offset by minor strike-slip faults, both dextral and sinstral, with the greatest offset seen being about 5 meters.

Geochemical Sampling

Forty-one rock chip samples (22 from the main showing area), 18 soil samples and two silt samples were collected on the property for analysis. Sample locations (Figures 5 and 6), analytical results (Appendix 3) and sample descriptions (Appendix 4) can be found at the back of this report. Additionally, photos in Appendix 6 show outcrops and trenches from which samples with higher gold values were taken.

Generally, gold values from the rock chip samples were lower than those attained in the past by Mr. Carter and others. This is not surprising, as the highest gold values from previous sampling came from grab samples with lower values attained from chip samples (See Carter, 1996). In addition, samples with elevated arsenic levels generally have higher gold values. A chalcopyrite / malachite rich sample taken from a garnet skarn outcrop near the southern property boundary, Dcos96-01, returned 4699 ppm Cu and 1.9 ppm Ag. This sample contained two to three percent chalcopyrite and one percent pyrite, as detailed in the petrographic report

(Appendix 4). This sample was taken close to the contact between the Lewes River Group limestone and the quartz monzonitic Mt. Lorne pluton.

The two silt samples were taken from one of the few creeks on the property during construction of the grid, in places where grid lines crossed small creeks, and attained values of 30 ppb and 17 ppb gold.

Due to time constraints and previously erratic responses from the central part of the property that was soil sampled by Aurum Geological Consultants Inc. of Whitehorse in the summer of 1996, soil sampling was not included in this programme. However, eighteen samples were taken along part of line 40 N, attaining values of up to 60 ppb gold. Assay results are found in Appendix four; samples are plotted in Figure 7. Sketch maps of the Aurum soil grid and sampled area along with analytical procedures and results attained by Acme Analytical Laboratories Ltd. of Vancouver, B.C., are included in Appendix 5.

Geophysical Surveys

A total of 23.5 kilometres of VLF-EM survey and 32.1 kilometres of magnetic survey were conducted, covering approximately the northern third of the property. The data has been summarized into a VLF-EM survey contour map (Figure 7), an interpreted VLF-EM Conductor Map (Figure 8), and the magnetic survey contour map (Figure 9) produced by Lloyd Geophysics Inc. of Vancouver. The geophysics shows a strong correlation between magnetic highs and VLF-EM conductors coincident with apparent zones of skarn mineralization.

CONCLUSIONS AND RECOMMENDATIONS

The higher gold and arsenic values attained on this programme are associated with some, but not all, of the intrusive dykes, possibly related to the quartz monzonitic Mt. Lorne pluton. Soil geochemistry must be undertaken on very tight sample spacing as geochemical dispersion is nil and soil development is poor.

The contact between the Lewes River limestone and the Mt. Lorne quartz monzonite is worthy of further exploration as it is highly probable that more Cu +/- Au mineralized skarn outcrops exist.

VLF-EM and magnetometer surveys respond extremely well to skarn mineralization on this property and should be utilized more extensively as an exploration tool.

The location, geological setting and type of mineralization found on the NI claims give the property the potential to host a deposit similar to those of the Whitehorse Copper Belt. It is therefore recommended that the following be undertaken:

1. Extend the VLF-EM and magnetic surveys to cover the entire property in an effort to delineate any other structures similar to those outlined in the 1996 surveys.
2. Complete geological mapping on the entire property and attempt to further define the compositions and relative ages of the intrusive phases.
3. Continue prospecting in search of new mineralized zones and follow up on the copper-rich skarn outcrop sampled late in the 1996 programme.
4. Carry out the trenching programme planned in 1996 to reopen old trenches in the vicinity of past high-gold samples, and to open new trenches along strike of mineralized structures and dykes.
5. Tighten grid soil sampling (25m sample spacing on 50m line spacing) as soil development is poor and anomalies may be restricted in size.
6. Follow up on anomalous gold in silts.

The budget for this is as follows:

PHASE I

Personnel		
(1) Professional Geologist	30 days @ $425/day	$12,750.00
(1) Junior Geologist	30 days @ $350/day	10,500.00
(1) Geological Assistant	30 days @ $300/day	9,000.00
(1) Geophysical Technician	30 days @ $300/day	9,000.00
Assays		
800	@ $20/sample	16,000.00
Rentals		
(1) 4X4 truck	30 days @ $80/day	2,400.00
(2) ATV 4X4	60 days @ $60/day	3,600.00
(4) Radios	120 days @ $10/day	1,200.00
Magnetometer/VLF-EM Geophysical Equipment	30 days @ $100/day	3,000.00
Helicopter	6 hours @ $900/hour	5,400.00
Blasting Crew and Equipment	15 days @ $800/day	12,000.00
Camp	30 days @ $50/day	1,500.00
Expenses		
Mob/Demob		5,000.00
Food, Fuel, etc.		2,500.00
Flagging, Topofil, Bags, etc.		1,000.00
Office		500.00
Geophysical Interpretation and Report		5,000.00
Report		5,000.00
Subtotal		105,350.00
GST		7,374.50
Contingency		10,000.00
ESTIMATED TOTAL PHASE I		$122,724.50

Success contingent on Phase I, Phase II would consist of additional trenching and diamond drilling and is budgeted at $170,000.00 as follows.

Geologist	20 days @ $425/day	$8,500.00
Geological Assistant	20 days @ $325/day	6,500.00
Blasting Crew and Equipment	10 days @ $800/day	8,000.00
NQ Diamond Drilling	800 metres @ $100/metre	80,000.00
D-7 Cat	50 hours @ $140/hour	7,000.00
Equipment Rentals		5,000.00
Room and Board		5,000.00
Assays	500 @ $20/per	10,000.00
Travel		3,000.00
Report		5,000.00
Subtotal		138,000.00
GST	@ 7%	9,660.00
Contingency		16,000.00
ESTIMATED TOTAL PHASE II		$173,320.00

REFERENCES

Carter, Brian J. (1996): Prospecting and Geochemical Assessment Report, Claims NI 1-6, Whitehorse Mining District, N.T.S. 105D/10.

Gabrielse, H, et al. (1976): Macmillan River,1:1,000,000. Geological Survey of Canada. Map 1398A.

Morrison, G.W. (1976): Granitic Rocks and Associated Mineral Deposits of the Whitehorse Map Area, Yukon. Mineral Industry Report, 1975, Yukon Territory. D.I.A.N.D., PP14-19.

Morrison, G.W. (1979): Metallogenic Map-Whitehorse Map Area, Yukon. Department of Indian Affairs and Northern Development. Open File EGS 1979-6.

Tenney, D. (1981): The Whitehorse Copper Belt: Mining, Exploration and Geology (1967-1980). Department of Indian Affairs and Northern Development. Bulletin 1.

Wheeler, J.O. (1961): Whitehorse Map Area, Yukon Territory. Geological Survey of Canada. Memoir 312, 156p.

APPENDIX 1

Statements of Qualifications

STATEMENT OF QUALIFICATIONS

I, **Dean J. Barron**, of Vancouver, British Columbia, hereby certify that:

1. I am a graduate of Memorial University of Newfoundland with a Bachelor of Science Degree (1991) in Geology.
2. I have practised my profession as a geologist in Canada and South America continually since graduation.
3. I am a consulting geologist employed by Nicholson and Associates, with offices at 1210-675 West Hastings Street, Vancouver, British Columbia.
4. I am the author of this report, which is based on a review of reports on the area and on information obtained in the field during the period September 4 to November 5, 1997.
5. I personally supervised the work undertaken on the property during the 1996 work program.
6. I have no interest, direct or indirect, in the subject property or any surrounding areas, nor do I expect to receive any such interest.
7. I consent to and authorize the use of this report in any prospectus, statement of material facts, or other public document.

Dated in Vancouver, British Columbia, this 27th day of June, 1997.

D.J. Barron

Dean J. Barron, B.Sc.

STATEMENT OF QUALIFICATIONS

I, George E. Nicholson, do hereby certify that:

1. I am president of my geological consulting firm: Nicholson and Associates, Natural Resource Development Inc. with offices at #1210-675 West Hastings Street, Vancouver, B.C., V6B 1N2.
2. That I am a graduate of the University of British Columbia with a B.Sc. Geology.
3. That I am a registered member of the Association of Professional Engineers of British Columbia (#19796).
4. That I have been actively engaged in all phases of mineral exploration in North and South America since 1983.
5. That I supervised the work on the NI claims during the months of September through November,1996.
6. That I have no direct or indirect interest in the claims nor do I expect to receive any.
7. That all work undertaken was done in accordance with the revised Yukon Quartz Mining Act of 1995.
8. I consent to and authorize the use of this report in any prospectus, statement of material facts, or other public document.

Dated at Vancouver, B.C. this 27th day of June 1997.

PROFESSIONAL GEOSCIENTIST PROVINCE OF BRITISH COLUMBIA G. E. NICHOLSON

George E. Nicholson, P.Geo.

APPENDIX 2

Statement of Costs

STATEMENT OF COSTS

Personnel

D.Barron	(Sept.16-Oct.4, Oct.9-13)	24 days @ $350.00/day	8,400.00
D.Cosgrove	(Sept.11-Nov.5)	56 days @ $350.00/day	19,600.00
B.Bennett	(Sept.4-Nov.5)	63 days @ $300.00/day	18,900.00
I.Sommers	(Sept.4-Oct.3)	30 days @ $325.00/day	9,750.00
G.Barton	(Sept.4-Sept.5)	2 days @ $300.00/day	600.00
G.Nicholson	(Sept.28-Oct.4)	7 days @ $350/day	2,450.00

Equipment

Truck Rental	(Sept.4-Nov.5)	63 days @ $80.00/day	5,040.00
Camp Rental	(Sept.4-Nov.5)	63 days @ $50.00/day	3,150.00
Radio Rental	(Sept.4-Nov.5)	63 days @ $10.00/day	630.00
Four-trax Rental	(Sept.4-Nov.5)	63 days @ $60.00/day	3,780.00
Geophys. Equip. Rent.	(Oct.9-Nov.5)	28 days @ $100.00/day	2,800.00
Helicopter			4,000.00
Geochemistry		61 assays @ $20.00	1,220.00
Thin Section Analysis		1 sample @ $200.00	200.00
Mob/Demob (pro-rated)			5,000.00
Expenses (pro-rated)			4,000.00
Report Costs			6,000.00
TOTAL			**$95,520.00**

APPENDIX 3

ANALYTICAL RESULTS and PETROGRAPHIC ANALYSIS

Vancouver Petrographics Ltd.

8080 GLOVER ROAD, LANGLEY, B.C. V1M 3S3
PHONE (604) 888-1323 • FAX (604) 888-3642
email: vanpetro@vancouver.net

Report # 970240

Dean Barron
Nicholson & Associates
Natural Resource Development Inc.
Vancouver, B.C. **March 27, 1997**

Sample DC 0[illegible] 96-1 **Garnet skarn**

The sample is a skarn with patchy, chaotic texture dominated by garnet with lesser calcite, pyroxene and quartz. Part of the quartz was formed at low temperature what is indicated by radiating extinction in some of the grains. The rock is mineralized with small amount of chalcopyrite and pyrite occurring as disseminated grains.

garnet	65-70 %
calcite	12-15%
quartz	7-8 %
pyroxene	5-7 %
uralite	2-3 %
chalcopyrite	2-3 %
pyrite	1 %
goethite/hematite	0.5 %
limonite	0.5 %
plagioclase	0.2 %

Garnet occurs as a irregular mass with some smaller grains showing subhedral outlines. It is of pale yellow colour and displays slight anizotropism. Garnet is densely fractured with many fractures filled by limonite.

Calcite occurs as anhedral grains 0.1-0.6 mm in size forming patches up to 2.0 mm across.

Approximately 1/3 of quartz occurs as scattered, anhedral, clear grains 0.2-0.5 mm in size. Another 2/3 of quartz occurs as small anhedral grains 0.01-0.06 mm across forming irregular patches and veins, some of the grains display radiating extinction indicative of low temperature formation.

Pyroxene occurs as scattered anhedral grains 0.2-0.8 mm in size partly replaced by uralite i.e. secondary fibrous amphibole.

(continue)

Plagioclase forms a few grains 0.3-0.7 mm in size.

Chalcopyrite and pyrite form disseminated anhedral grains up to 1.0 mm across. Occasionally ore minerals are located in vugs within garnet.

Pyrite and to lesser extent chalcopyrite are partly replaced by goethite/hematite. Some chalcopyrite grains are weakly altered to malachite. One pyrite grain contains two small inclusions of magnetite 0.02-0.04 mm across.

A. Walus

Alojzy (Alex) Walus, M.Sc.
Phone: (604) 581-8126

iPL
INTERNATIONAL PLASMA LABORATORY LTD

CERTIFICATE OF ANALYSIS
iPL 97B0128

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Nicholson & Associates

25 Samples   Out: Feb 17, 1997   In: Feb 13, 1997   [012816:54:25:79021797]

Project : Whitehorse
Shipper : Dean Barron
Shipment: PO#:
Analysis:
Au(FA/AAS 30g) ICP(AqR)30

Comment:

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
B211	5	Rock	Crush & split to 250g, Pulverize to -150 mesh	12M/Dis	03M/Dis
B111	18	Soil	Dry & sift to -80 mesh, discard reject.	12M/Dis	00M/Dis
B111	2	Silt	Dry & sift to -80 mesh, discard reject.	12M/Dis	00M/Dis

NS=No Sample Rep=Replicate M=Month Dis=Discard

Document Distribution

1 Nicholson & Associates
1210 - 675 W Hastings St
Vancouver
B.C. V6B 1N2
Canada
Att: George Nicholson

EN	RT	CC	IN	FX
1	2	2	2	1
DL	3D	EM	BT	BL
0	0	0	1	0

Ph:604/682-1845
Fx:604/682-1816

Post-it Fax Note Date 18/02/97 # of pages 2
To George Nicholson
Fax#
From IPL
Phone#

Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0313	FA/AAS	ppb	Au FA/AAS finish 30g	Gold	2	9999
02	0721	ICP	ppm	Ag ICP	Silver	0.1	99.9
03	0711	ICP	ppm	Cu ICP	Copper	1	20000
04	0714	ICP	ppm	Pb ICP	Lead	2	20000
05	0730	ICP	ppm	Zn ICP	Zinc	1	20000
06	0703	ICP	ppm	As ICP	Arsenic	5	9999
07	0702	ICP	ppm	Sb ICP	Antimony	5	999
08	0732	ICP	ppm	Hg ICP	Mercury	3	9999
09	0717	ICP	ppm	Mo ICP	Molydenum	1	999
10	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	999
11	0705	ICP	ppm	Bi ICP	Bismuth	2	9999
12	0707	ICP	ppm	Cd ICP	Cadmium	0.1	99.9
13	0710	ICP	ppm	Co ICP	Cobalt	1	9999
14	0718	ICP	ppm	Ni ICP	Nickel	1	9999
15	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	9999
16	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	999
17	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	9999
18	0729	ICP	ppm	V ICP	Vanadium	2	9999
19	0716	ICP	ppm	Mn ICP	Manganese	1	9999
20	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	9999
21	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	9999
22	0731	ICP	ppm	Zr ICP	Zirconium	1	9999
23	0736	ICP	ppm	Sc ICP	Scandium	1	9999
24	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
25	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	9.99
26	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	9.99
27	0712	ICP	%	Fe ICP	Iron	0.01	9.99
28	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	9.99
29	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	9.99
30	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
31	0719	ICP	%	P ICP	Phosphorus	0.01	5.00

EN=Envelope # RT=Report Style CC=Copies IN=Invoices Fx=Fax(1=Yes 0=No)   Totals: 2=Copy 2=Invoice 0=3½ Disk
DL=Download 3D=3½ Disk EM=E-Mail BT=BBS Type BL=BBS(1=Yes 0=No)   ID=C021101

BC Certified Assayer: David Chiu

CERTIFICATE OF ANALYSIS
iPL 97A0067

INTERNATIONAL PLASMA LABORATORY LTD.

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Nicholson & Associates
Project: Whitehorse

29 Samples
29=Rock

[006718:35:32:79012897]

Out: Jan 28, 1997
In : Jan 23, 1997

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
BR 96 030	R	24	0.1	80	33	142	54	<	<	5	<	<	0.6	14	19	371	<	69	157	496	5	188	3	11	0.16	4.75	1.59	3.11	1.84	1.36	0.59	0.09
BR 96 033 C	R	13	<	85	22	87	215	<	<	5	<	<	0.9	15	17	69	<	61	108	376	3	310	2	8	0.10	5.09	3.48	2.66	1.04	0.65	0.74	0.10
BR 96 033 E	R	6	0.1	89	28	87	66	<	<	8	<	<	0.2	16	18	95	<	62	110	265	5	176	4	9	0.11	3.90	1.73	3.39	1.28	0.79	0.54	0.10
BR 96 034 A	R	6	<	27	12	35	270	<	<	2	<	<	<	9	16	170	<	61	34	203	10	100	8	2	0.10	1.86	1.01	1.74	0.77	0.50	0.22	0.07
BR 96 034 C	R	4	0.1	5	5	27	11	<	<	5	<	<	0.7	1	3	12	<	10	8	59	<	273	3	<	<	0.09	33%	0.28	0.33	0.02	0.01	0.02
BR 96 034 D	R	5	<	71	17	121	40	<	<	4	<	<	0.9	14	21	69	<	60	87	257	3	174	6	8	0.07	3.41	1.55	2.99	1.44	0.95	0.53	0.09
BR 96 034 E	R	11	0.3	55	18	178	47	<	<	4	<	<	1.3	11	18	84	<	49	85	818	3	261	6	8	0.07	3.11	6.78	2.63	1.47	0.80	0.48	0.09
BR 96 034 F	R	19	0.5	93	25	156	51	5	<	5	<	<	1.5	12	16	100	<	53	79	187	3	136	6	6	0.07	2.31	0.91	2.81	1.54	0.96	0.28	0.09
BR 96 040	R	42	<	73	11	48	1028	<	<	4	<	<	<	25	6	101	<	27	131	365	8	168	5	10	0.21	3.68	1.79	4.36	1.84	1.61	0.35	0.12
BR 96 043	R	2	0.2	6	21	41	13	5	<	4	<	<	0.4	2	7	47	<	78	8	300	18	19	16	1	0.01	0.48	0.99	0.78	0.20	0.18	0.05	0.02
BR 96 044 C	R	27	<	78	6	34	886	<	<	2	<	<	<	10	5	129	<	35	123	280	9	120	7	9	0.20	3.05	0.95	3.95	1.66	1.39	0.31	0.12
BR 96 044 D	R	50	<	93	6	38	1521	<	<	5	<	<	<	14	7	179	<	46	121	275	10	133	7	9	0.20	2.99	0.90	4.07	1.66	1.20	0.29	0.12
BR 96 054	R	4	0.4	93	25	82	41	<	<	5	<	<	0.9	13	16	247	<	72	93	327	3	134	5	7	0.14	2.80	0.75	2.64	1.52	1.04	0.30	0.07
BR 96 058 A	R	7	0.2	89	14	100	51	<	<	7	<	<	0.5	14	23	246	<	81	134	673	4	247	5	11	0.17	3.75	3.15	3.18	1.72	1.22	0.48	0.08
BR 96 058 B	R	17	0.3	118	15	129	58	<	<	8	<	<	1.1	19	36	223	<	92	177	594	4	282	6	14	0.15	4.59	2.89	3.64	1.77	1.24	0.69	0.10
BR 96 075 A	R	3	<	21	8	62	75	<	<	2	<	<	0.6	17	9	409	<	8	52	471	4	91	2	3	<	3.40	7.94	3.95	2.01	0.13	0.07	0.07
BR 96 075 B	R	12	0.3	4	<	91	89	<	<	4	<	<	0.2	5	4	48	<	8	5	1243	<	207	1	<	<	0.10	31%	0.69	0.13	0.02	0.01	0.03
BR 96 075 C	R	<	<	11	5	65	49	<	<	4	<	<	<	14	11	197	<	10	70	486	3	89	2	5	0.02	3.47	4.44	4.03	2.43	0.15	0.10	0.08
BR 96 095	R	<	0.1	1	<	11	8	<	<	4	<	<	<	1	7	26	<	19	7	129	5	975	2	1	0.01	0.30	29%	0.27	0.38	0.06	0.03	0.03
BR 96 096	R	<	0.2	1	<	21	<	<	<	4	<	<	<	<	8	17	<	13	5	20	2	376	1	<	<	0.15	33%	0.06	0.48	0.07	0.01	0.03
BR 96 098	R	25	0.2	21	6	61	48	<	<	6	<	<	0.4	15	6	121	<	34	80	370	13	88	6	2	0.18	2.27	0.99	2.77	0.95	0.35	0.21	0.13
BR 96 100	R	<	0.2	1	<	26	5	<	<	3	<	3	0.5	<	3	7	<	12	4	30	3	438	2	<	<	0.16	31%	0.07	0.36	0.08	0.01	0.03
BR 96 101	R	<	0.3	<	2	4	<	<	<	3	<	<	<	<	<	8	<	7	4	28	<	125	<	<	<	0.02	34%	0.01	0.07	<	0.01	<
BR 96 104	R	<	0.2	2	14	21	<	<	<	2	<	<	<	1	2	42	<	70	2	319	22	24	17	1	<	0.41	1.03	0.60	0.04	0.20	0.06	0.01
BR 96 106	R	14	0.5	65	33	179	150	<	<	8	<	<	0.9	14	37	174	<	117	149	677	9	129	8	11	0.22	3.66	1.10	3.33	1.59	1.55	0.43	0.10
BR 96 110	R	<	<	1	2	6	<	<	<	3	<	<	0.1	<	1	5	<	9	7	28	<	207	3	<	<	0.07	32%	0.03	0.24	0.02	0.01	0.05
BR 96 124	R	<	0.1	12	10	66	47	<	<	2	<	<	<	20	6	86	<	30	78	336	4	78	1	2	0.12	3.16	2.91	3.02	1.07	0.20	0.29	0.08
BR 96 125	R	5	0.1	47	7	22	86	<	<	2	<	<	0.3	16	6	116	<	31	85	147	5	113	3	2	0.15	2.33	1.03	2.75	0.70	0.45	0.32	0.08
BR 96 126	R	5	<	18	6	41	30	<	<	3	<	<	<	5	6	45	<	84	19	166	6	85	2	1	0.05	1.82	1.17	1.34	0.53	0.10	0.21	0.05
Min Limit		2	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		9999	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
[illegible]		FA/A	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

INTERNATIONAL PLASMA LABORATORY LTD

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICATE OF ANALYSIS
iPL 97B0128

Client : Nicholson & Associates
Project: Whitehorse

25 Samples
5=Rock 18=Soil 2=Silt

[012816:54:25:79021797]

Out: Feb 17, 1997
In : Feb 13, 1997

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
DCOS 96-01	R	20	1.9	4699	2	173	<	<	<	6	<	<	0.5	19	10	64	18	54	34	598	8	23	3	1	0.05	0.86	8.53	7.62	0.49	0.13	0.06	0.07
DCOS 96-02	R	21	0.1	13	51	56	93	<	<	3	<	<	0.4	2	2	112	<	40	4	585	5	63	9	<	0.01	0.49	1.16	1.51	0.22	0.26	0.05	0.06
DCOS 96-03	R	8	<	55	6	71	29	<	<	3	<	<	<	30	105	133	<	238	124	879	7	118	14	9	0.20	2.87	3.29	3.97	4.05	0.09	0.19	0.10
DCOS 96-04	R	5	<	71	8	218	15	<	<	4	<	<	<	23	52	250	<	60	67	471	4	62	6	4	0.06	2.39	0.31	3.82	1.51	0.59	0.09	0.09
DCOS 96-05	R	18	0.2	54	15	27	45	<	<	9	<	<	<	5	7	352	<	60	65	255	4	137	15	4	0.14	1.76	0.87	2.08	1.17	1.04	0.05	0.06
L40+00N 45+75E	S	4	0.1	17	11	57	14	<	<	1	<	<	0.1	6	10	104	<	18	34	237	9	29	2	2	0.06	1.29	0.69	1.57	0.50	0.05	0.03	0.08
L40+00N 46+00E	S	17	0.2	24	15	39	11	<	<	1	<	<	0.8	2	5	139	<	6	9	137	5	100	3	<	0.01	0.61	3.26	0.44	0.09	0.02	0.03	0.11
L40+00N 46+25E	S	4	0.3	37	6	44	14	<	<	1	<	<	0.5	5	8	100	<	13	24	408	13	80	2	1	0.02	1.07	2.51	1.06	0.23	0.04	0.02	0.08
L40+00N 46+50E	S	3	<	14	8	89	14	<	<	2	<	<	<	7	11	107	<	21	43	461	6	31	1	2	0.08	1.43	0.73	1.87	0.54	0.06	0.02	0.04
L40+00N 46+75E	S	20	<	14	10	49	13	<	<	1	<	<	<	7	11	113	<	20	36	355	9	32	1	2	0.05	1.16	0.86	1.56	0.49	0.06	0.03	0.05
L40+00N 47+00E	S	2	<	15	8	48	13	<	<	<	<	<	<	7	14	145	<	23	41	312	10	42	1	2	0.05	1.29	0.82	1.84	0.55	0.05	0.03	0.06
L40+00N 47+25E	S	60	<	15	6	53	12	<	<	1	<	<	<	9	13	123	<	22	44	281	9	70	2	3	0.09	1.39	1.28	1.83	0.65	0.08	0.05	0.07
L40+00N 47+50E	S	5	0.1	11	6	48	14	<	<	1	<	<	<	7	14	119	<	22	40	268	10	44	1	2	0.05	1.33	0.59	1.83	0.55	0.03	0.03	0.03
L40+00N 47+75E	S	14	<	13	10	47	19	<	<	1	<	<	<	6	11	142	<	20	45	195	7	35	1	2	0.05	1.67	0.62	1.92	0.47	0.03	0.02	0.02
L40+00N 48+00E	S	7	<	10	9	43	14	<	<	1	<	<	<	6	12	104	<	20	38	179	7	15	1	2	0.05	1.40	0.25	1.80	0.46	0.03	0.02	0.03
L40+00N 48+25E	S	21	<	11	13	53	14	<	<	2	<	<	2.5	6	21	107	<	23	42	285	8	23	1	2	0.05	1.25	0.39	1.72	0.47	0.04	0.02	0.04
L40+00N 48+50E	S	5	0.1	9	8	45	15	<	<	1	<	<	<	6	13	118	<	22	37	250	8	29	<	2	0.04	1.20	0.69	1.67	0.48	0.03	0.02	0.04
L40+00N 48+75E	S	8	0.1	27	12	65	36	<	<	1	<	<	0.3	9	27	146	<	47	45	454	11	121	2	1	0.04	1.46	3.12	1.62	0.72	0.05	0.04	0.12
L40+00N 49+00E	S	5	0.1	18	9	43	11	<	<	1	<	<	0.2	6	12	169	<	20	31	295	8	38	1	1	0.03	1.14	1.34	1.49	0.40	0.04	0.02	0.07
L40+00N 49+25E	S	3	<	23	11	63	15	<	<	1	<	<	0.2	7	10	130	<	20	37	460	10	45	<	1	0.03	1.22	1.81	1.70	0.37	0.03	0.03	0.06
L40+00N 49+50E	S	3	<	16	12	59	20	<	<	2	<	<	0.3	8	16	135	<	26	49	268	8	19	2	3	0.05	1.82	0.42	2.24	0.60	0.07	0.02	0.01
L40+00N 49+75E	S	6	<	14	18	82	25	<	<	1	<	<	0.6	7	15	125	<	23	45	324	9	42	1	2	0.05	1.84	0.99	1.81	0.59	0.04	0.03	0.05
L40+00N 50+00E	S	14	<	9	11	54	12	<	<	1	<	<	0.1	7	11	106	<	22	46	266	8	16	2	3	0.06	1.44	0.46	1.83	0.50	0.04	0.02	0.02
CS-96-01	L	17	<	15	9	42	10	<	<	2	<	<	<	6	11	92	<	19	32	239	14	25	1	2	0.06	0.95	0.52	1.37	0.43	0.09	0.02	0.07
BS-96-02	L	30	<	14	6	36	<	<	<	1	<	<	0.1	7	12	98	<	27	49	263	11	24	1	2	0.07	0.87	0.46	2.03	0.44	0.09	0.03	0.08
Min Limit		2	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		9999	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		FA/A	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

---=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % R=Rock S=Soil L=Silt

iPL
INTERNATIONAL PLASMA LABORATORY LTD

CERTIFICATE OF ANALYSIS
iPL 97C0237

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Nicholson & Associates
Project: Whitehorse

7 Samples
7=Rock

[023718:30:10:79032697]

Out: Mar 26, 1997
In : Mar 24, 1997

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
33A	R	12	0.6	44	28	84	199	8	<	4	<	<	0.3	22	74	158	<	129	68	318	5	259	3	4	0.12	3.52	1.81	2.43	1.48	0.89	0.47	0.13
33B	R	18	0.6	45	10	86	120	10	<	4	<	<	<	28	145	134	<	279	122	455	4	189	3	9	0.16	4.01	2.82	3.29	2.97	1.80	0.35	0.11
33D	R	20	0.6	106	10	192	37	<	<	8	<	<	1.1	12	15	66	<	58	104	173	3	117	4	8	0.09	2.77	1.16	3.01	1.20	0.76	0.37	0.09
34B	R	66	0.1	17	8	36	23	<	<	2	<	<	<	6	6	83	<	39	23	207	8	80	7	2	0.07	1.38	0.95	1.49	0.57	0.21	0.16	0.06
44A	R	50	0.5	68	6	41	1829	<	<	3	<	<	<	10	4	182	<	24	127	272	7	123	5	10	0.21	3.00	0.86	3.84	1.74	1.56	0.28	0.12
44B	R	30	0.6	63	5	37	868	<	<	2	<	<	<	9	5	194	<	24	127	300	8	105	6	9	0.21	2.88	0.95	3.83	1.72	1.41	0.26	0.13
58C	R	20	0.4	58	16	24	25	5	<	4	<	<	<	3	3	180	<	46	57	273	4	58	5	6	0.11	1.65	0.18	1.86	1.23	1.10	0.11	0.07
Min Limit		2	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		9999	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		FA/A	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % R=Rock

APPENDIX 4

Rock Sample Descriptions

Sample Number	Sample Description	Assay Results					
		Au ppb (oz/t)	Ag ppm	Cu ppm (%)	Pb ppm (%)	Zn ppm (%)	As ppm
BR96-030	Grab Sample Near Trench 4 Fissile black siltstone, strongly rusted and fractured, with finely disseminated pyrite.	24	0.1	80	33	142	54
BR96-033A	Grab Sample Stripped Hilltop Area Fissile, rusted siltstone with disseminated fine pyrite.	12	0.6	44	28	84	199
BR96-033B	Grab Sample Stripped Hilltop Area Rusted, limonite altered biotite rich rhyolite dyke with minor disseminated pyrite.	18	0.6	45	10	86	120
BR96-033C	Grab Sample Stripped Hilltop Area Rusted (strongly) fissile black siltstone with finely disseminated pyrite.	13	—	85	22	87	215
BR96-033D	Grab Sample Stripped Hilltop Area Poorly exposed mafic-intermediate dyke with minor fine pyrite, green on fresh surface, weathering tan color.	20	0.6	106	10	192	37
BR96-033E	Grab Sample Stripped Hilltop Area Rusted, locally limonitic, fissile black siltstone.	6	0.1	89	28	87	66

Sample Number	Sample Description	Assay Results					
		Au ppb (oz/t)	Ag ppm	Cu ppm (%)	Pb ppm (%)	Zn ppm (%)	As ppm
BR96-034A	Grab Sample Trench 1 Poorly exposed rhyolite dyke o/c, 1m x 2m, surrounded by talus from overlying limestone, with very fine sulfides	6	-	27	12	35	270
BR96-034B	Grab Sample Trench 1 Approx. 2 m wide granodiorite dyke subcrop surrounded by limestone boulders/subcrop.	66	0.1	17	8	36	23
BR96-034C	Grab Sample Trench 1 Fractured limestone near contact with rhyolite dyke in 34A; moderately silicified.	4	0.1	5	5	27	11
BR96-034D	1.0 m ~~horizontal~~ vertical chip sample Trench 1 Extremely rusted and fractured black siltstone with finely disseminated pyrite and arsenopyrite. East end of o/c	5	-	71	17	121	40
BR96-034E	1.0 m vertical chip sample Trench 1 As per 34D. Center of o/c.	11	0.3	55	18	178	47
BR96-034F	1.0m vertical chip sample Trench 1 As per 34D. west end of o/c.	19	0.5	93	25	156	51

Sample Number	Sample Description	Assay Results					
		Au ppb (oz/t)	Ag ppm	Cu ppm (%)	Pb ppm (%)	Zn ppm (%)	As ppm
BR96-040	Grab Sample Trench 3 Medium grained dioritic dyke in limestone, at least 2m wide, with abundant fine grained pyrite, arsenopyrite, pyrrhotite & chalcopyrite, up to 10% combined.	42	–	73	11	48	1028
BR96-043	Grab Sample Trench 3 Small o/c of poorly exposed rhyolite dyke with biotite and minor disseminated sulfides.	2	0.2	6	21	41	13
BR96-044A	1.0m vertical chip sample Trench 3 Extremely rusted, strongly fractured diorite dyke with finely disseminated pyrite + arsenopyrite East end of o/c.	50	0.5	68	6	41	1829
BR96-044B	1.0m vertical chip sample Trench 3 As per 44A; 1m west	30	0.6	63	5	37	868
BR96-044C	1.0m vertical chip sample Trench 3 As per 44A; 2m west	27	–	78	6	34	886
BR96-044D	1.0m vertical chip sample Trench 3 As per 44A; 3m west.	50	–	93	6	38	1521

Sample Number	Sample Description	Assay Results					
		Au ppb (oz/t)	Ag ppm	Cu ppm (%)	Pb ppm (%)	Zn ppm (%)	As ppm
BR96-054	Grab Sample Trench 4 Rusty, fractured black siltstone with abundant vugs from weathering pyrite.	4	0.4	93	25	82	41
BR96-058A	1.0m vertical chip sample Trench 5 Strongly rusted + fractured black siltstone, with abundant fine pyrite. West end of o/c	7	0.2	89	14	100	51
BR96-058B	1.0m vertical chip sample Trench 5 As per 58A. East end of o/c.	17	0.3	118	15	129	58
BR96-058C	Grab Sample Trench 5 As per 58A. ~20 m east of 58B	20	0.4	58	16	24	25
BR96-075A	Grab Sample 50+85N 42+75E Iron-oxidized, silicified limestone near mafic dyke.	3	—	21	8	62	75
BR96-075B	Grab Sample 50+85N 42+75E Iron-oxidized, silicified limestone near mafic dyke.	12	0.3	4	—	91	89

Sample Number	Sample Description	Assay Results					
		Au ppb (oz/t)	Ag ppm	Cu ppm (%)	Pb ppm (%)	Zn ppm (%)	As ppm
BR96-075C	Grab Sample 50+85N 42+75E 1m wide fine grained mafic dyke with minor quartz veining and rusting	—	—	11	5	65	49
BR96-095	Grab Sample 39+70N 48+50E Limestone, of which ~50% is replaced by very abundant calcite stringers + veins, up to 10 cm wide.	—	0.1	1	—	11	8
BR96-096	Grab Sample 40+90N 49+50E Strongly fractured limestone with calcite filling fractures up to 5mm wide.	—	0.2	1	—	21	—
BR96-098	Grab Sample 41+10N 47+80E Poorly exposed iron oxidized felsic dyke o/c ~2m from small limestone o/c's.	25	0.2	21	6	61	48
BR96-100	Grab Sample 41+85N 47+90E Limestone cut by feldspar porphyry dyke 1m wide. Abundant calcite filled fractures in the limestone	—	0.2	1	—	26	5
BR96-101	Grab Sample 42+55N 50+10E Locally recrystallized buff + grey limestone, with moderate foliation.	—	0.3	—	2	4	—

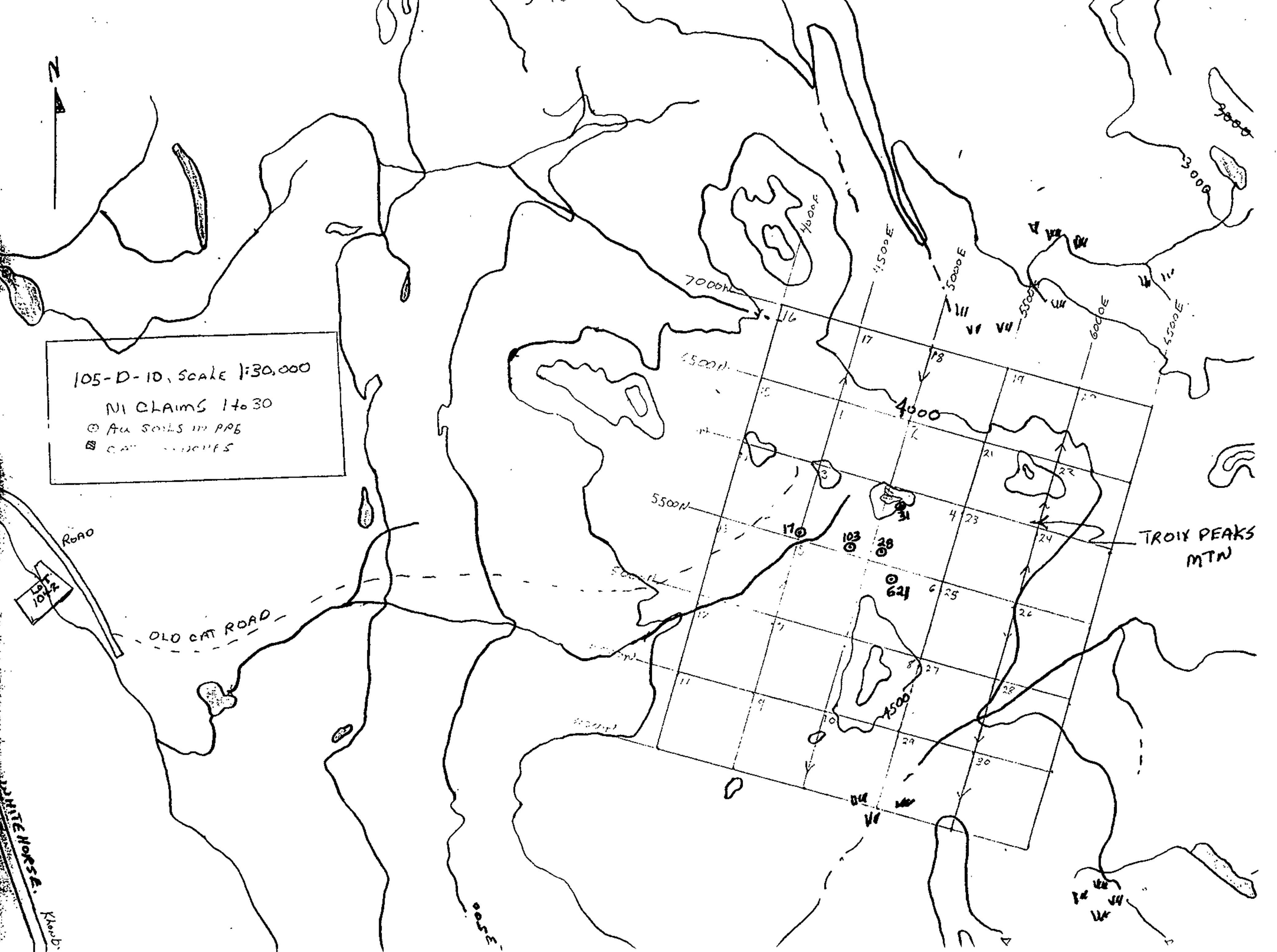
Sample Number	Sample Description	Assay Results					
		Au ppb (oz/t)	Ag ppm	Cu ppm (%)	Pb ppm (%)	Zn ppm (%)	As ppm
BR96 - 104	Grab Sample 42+60N 49+25E Strongly iron oxidized felsic dyke, 1-2 m wide	—	0.2	2	14	21	—
BR96 - 106	Grab Sample 44+00N 42+95E Iron oxidized black siltstone with disseminated pyrite.	14	0.5	65	33	179	150
BR96 - 110	Grab Sample 45+00N 47+50E Strongly fractured limestone with calcite veins up to 5mm.	—	—	1	2	6	—
BR96-124	Grab Sample 48+40N 44+60E Locally iron oxidized feldspar porphyry mafic dyke.	—	0.1	12	10	66	47
BR96-125	Grab Sample 43+15N 53+75E Locally Iron-oxidized felsic dyke	5	0.1	47	7	22	86
BR96-126	Grab Sample 42+60N 54+00E Locally Iron oxidized and fractured rhyolitic dyke.	5	—	18	6	41	30

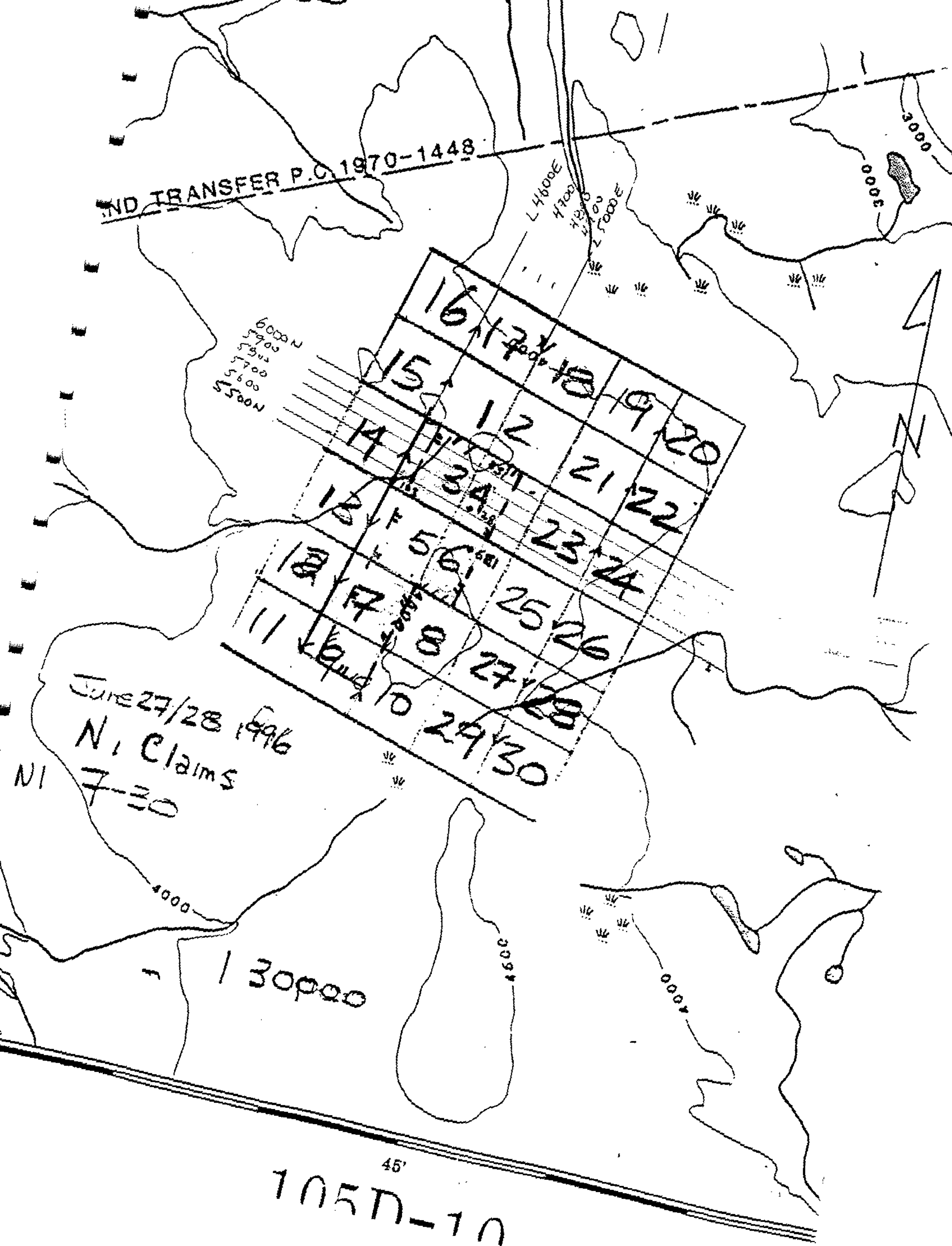
Sample Number	Sample Description	Assay Results					
		Au ppb (oz/t)	Ag ppm	Cu ppm (%)	Pb ppm (%)	Zn ppm (%)	As ppm
DCos 96-01	Grab Sample L30+00N 52+50E Limonitic altered, very dense, garnet rich rock with 5% chalcopyrite, 3% malachite, 1% pyrite, trace of azurite	20	1.9	4699	2	173	—
DCos 96-02	Grab Sample L57+00N 62+87E Fine-medium grained light grey felsic dyke with biotite + a trace of sulfides	21	0.1	13	51	56	93
DCos 96-03	Grab Sample L41+00N 58+00E Fine grained dark green/black mafic dyke with disseminated sulfides.	8	—	55	6	71	29
DCos 96-04	Grab Sample L58+00N 57+37E Thinly laminated fissile black shale with kaolinitic fractures.	5	—	71	8	218	15
DCos 96-05	Grab Sample L58+00N 57+37E Thinly laminated fissile black shale with minor disseminated pyrite.	18	0.2	54	15	27	45

Sample Number	Sample Description	Assay Results					
		Au ppb (oz/t)	Ag ppm	Cu ppm (%)	Pb ppm (%)	Zn ppm (%)	As ppm
CS9601	Silt 46+00N 67+00E	17	<	15	9	42	10
BS9602	Silt 38+50N 63+40E	30	<	14	6	36	<

APPENDIX 5

Soil Sample Results-Aurum Geological Consultants Inc.


N
105-D-10, SCALE 1:30,000
NI CLAIMS 1 to 30
Au SOILS in PPB
ROAD
LOT 1042
OLD CAT ROAD
TROIX PEAKS MTN
WHITEHORSE
7000N
6500N
5500N
4500E
5000E
5500E
6000E
6500E
4000
4500
3000
171
103
28
31
621


ND TRANSFER P.C. 1970-1448
L4600E
4700
4800
4900
L5000E
6000N
5900
5800
5700
5600
5500N
3000
3000
4000
4000
4600
June 27/28 1996
Ni Claims
Ni 7-30
1 30000
45'
105D-10

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Aurum Geological Consultants Inc. PROJECT 27 File # 96-2845 Page 1

P.O. Box 4367, Whitehorse YT Y1A 3T5 Submitted by: Al Doherty

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
MT962706001	1	18	7	43	<.3	10	6	333	1.90	4	<5	<2	<2	28	<.2	3	2	44	.54	.031	8	24	.58	177	.07	<3	1.82	.02	.04	<2	4
RE MT962706001	1	19	6	44	<.3	10	6	352	1.96	4	8	<2	<2	28	.2	<2	<2	45	.56	.031	9	21	.60	181	.07	<3	1.85	.02	.04	<2	4
MT962706002	1	18	8	61	<.3	14	8	486	2.11	5	<5	<2	<2	28	.3	<2	<2	45	.59	.031	11	34	.63	158	.07	<3	1.82	.02	.05	<2	4
MT962706003	2	13	11	68	<.3	10	7	297	2.18	<2	8	<2	2	30	.2	<2	<2	65	1.14	.020	9	26	.62	178	.08	<3	2.20	.02	.04	<2	2
MT962706004	1	13	10	41	<.3	13	7	237	2.48	2	6	<2	3	31	<.2	<2	<2	53	.80	.051	11	33	.54	186	.07	3	3.32	.02	.04	<2	4
MT962706005	1	17	6	51	<.3	18	6	276	1.94	4	6	<2	<2	29	<.2	<2	<2	51	.96	.075	12	31	.74	108	.05	<3	1.70	.02	.05	<2	2
MT962706006	1	12	3	39	<.3	16	5	182	1.68	4	<5	<2	<2	52	<.2	<2	<2	35	5.98	.028	12	23	.58	97	.05	<3	1.32	.02	.04	<2	2
MT962706007	1	12	5	52	<.3	16	7	308	2.14	4	<5	<2	3	21	<.2	<2	<2	50	.28	.022	11	28	.65	131	.09	<3	1.84	.02	.05	<2	1
MT962706008	<1	22	12	49	<.3	15	6	246	2.00	5	<5	<2	2	37	<.2	<2	<2	52	1.09	.056	19	29	.66	165	.08	3	2.03	.03	.06	<2	6
MT962706009	<1	26	6	46	.3	16	6	236	2.05	8	<5	<2	<2	63	<.2	<2	<2	45	5.52	.001	12	18	.64	126	.07	<3	1.55	.03	.06	<2	6
MT962706010	3	11	4	34	<.3	21	2	138	.56	13	<5	<2	<2	191	.5	2	<2	33	21.66	<.001	3	10	.51	34	.01	<3	.38	.01	.01	<2	<1
MT962706011	<1	19	8	47	<.3	16	7	305	2.01	11	<5	<2	<2	54	<.2	2	<2	48	.89	.043	8	22	.61	143	.06	<3	1.62	.02	.08	<2	3
STANDARD C2/AU-S	19	57	35	132	6.0	70	36	1178	3.85	37	23	7	34	49	18.7	20	15	68	.57	.090	41	61	1.01	185	.07	25	2.01	.06	.14	12	48

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
- SAMPLE TYPE: SOIL AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 15 1996 **DATE REPORT MAILED:** July 25/96 **SIGNED BY** .... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L4600E 6100N	<1	26	12	53	<.3	17	9	316	2.36	12	<5	<2	2	38	<.2	<2	<2	53	.61	.034	10	29	.75	126	.10	<3	1.99	.03	.07	<2	7
L4600E 6000N	<1	15	11	48	<.3	16	7	296	2.23	7	10	<2	2	27	<.2	<2	<2	54	.53	.023	11	29	.69	150	.10	<3	1.99	.02	.07	<2	3
L4600E 5975N	<1	15	13	48	<.3	13	8	328	2.59	6	8	<2	2	40	<.2	<2	<2	60	.63	.050	11	25	.83	161	.11	<3	2.52	.04	.07	2	3
L4600E 5950N	<1	21	11	52	<.3	16	9	327	2.44	30	<5	<2	<2	33	<.2	2	<2	57	.58	.036	11	28	.87	138	.11	<3	2.36	.03	.08	<2	8
L4600E 5925N	<1	18	10	50	<.3	14	7	305	2.28	7	<5	<2	3	32	<.2	<2	<2	53	.56	.019	10	27	.71	134	.10	3	2.17	.03	.08	<2	4
L4600E 5900N	<1	15	10	48	<.3	15	7	271	2.33	9	<5	<2	2	28	<.2	<2	<2	51	.46	.012	10	29	.68	95	.10	<3	1.76	.02	.10	<2	3
L4600E 5875N	<1	14	9	45	<.3	10	6	248	1.93	4	<5	<2	<2	21	<.2	<2	<2	46	.32	.053	10	30	.47	152	.03	<3	1.77	.01	.06	<2	1
L4600E 5850N	<1	11	5	42	<.3	8	5	281	1.84	3	<5	<2	<2	23	<.2	<2	<2	47	.41	.010	8	15	.53	198	.11	<3	1.42	.01	.07	<2	2
L4600E 5825N	1	24	11	51	<.3	15	9	484	2.38	8	5	<2	<2	35	<.2	<2	<2	52	.80	.042	12	26	.72	125	.09	<3	1.78	.03	.19	<2	3
L4600E 5800N	1	14	13	85	<.3	11	8	434	2.40	2	10	<2	2	25	.2	<2	2	50	.38	.026	10	24	.56	116	.11	3	1.75	.02	.14	<2	1
RE L4600E 5800N	<1	14	13	87	<.3	11	9	436	2.45	2	<5	<2	2	25	.3	<2	<2	52	.39	.027	10	24	.57	118	.11	<3	1.77	.02	.14	<2	2
L4600E 5775N	<1	11	11	121	<.3	10	11	544	2.23	<2	<5	<2	2	25	.4	<2	<2	46	.38	.049	9	23	.51	147	.09	<3	1.54	.02	.13	<2	1
L4600E 5750N	<1	18	9	106	<.3	11	11	1108	2.39	4	<5	<2	2	33	.3	<2	<2	56	.51	.036	11	27	.65	240	.09	<3	2.11	.02	.09	<2	1
L4600E 5725N	<1	12	8	79	<.3	10	6	347	2.03	4	<5	<2	2	25	<.2	<2	<2	51	.38	.020	10	28	.57	148	.09	<3	1.79	.02	.07	<2	<1
L4600E 5700N	<1	13	9	132	<.3	10	13	1175	2.14	2	<5	<2	<2	28	1.0	<2	<2	45	.43	.029	8	24	.40	180	.09	<3	1.32	.02	.09	<2	2
L4600E 5675N	1	15	10	58	<.3	15	9	473	2.04	6	<5	<2	<2	22	<.2	<2	<2	50	.35	.022	11	38	.60	160	.09	<3	1.70	.02	.06	<2	1
L4600E 5650N	1	13	7	62	<.3	14	7	334	2.23	5	5	<2	2	21	.2	<2	<2	48	.33	.022	10	22	.56	96	.09	<3	1.51	.02	.08	<2	1
L4600E 5625N	<1	15	13	77	<.3	13	9	468	2.46	5	<5	<2	2	22	.4	2	<2	53	.34	.034	8	26	.58	125	.10	<3	1.62	.02	.11	<2	2
L4600E 5600N	<1	16	9	45	<.3	12	6	290	2.15	6	15	<2	<2	27	<.2	<2	<2	47	.46	.036	10	23	.60	91	.11	<3	1.63	.02	.11	<2	3
L4600E 5600N A	1	20	9	78	.3	12	7	427	2.23	4	<5	<2	<2	34	.5	<2	<2	54	.46	.090	12	31	.52	180	.03	<3	2.00	.02	.07	<2	3
L4600E 5575N	1	10	8	61	<.3	10	6	259	2.19	5	<5	<2	3	23	.4	<2	<2	48	.34	.057	9	25	.43	112	.08	<3	1.25	.02	.08	<2	2
L4600E 5550N	1	16	11	52	<.3	10	6	308	2.15	3	<5	<2	<2	24	.2	<2	<2	55	.37	.028	10	26	.50	125	.07	<3	1.81	.02	.06	<2	1
L4600E 5525N	<1	17	11	74	<.3	15	8	349	2.58	6	9	<2	3	30	.3	<2	<2	57	.50	.028	9	24	.71	129	.12	<3	1.81	.02	.13	<2	103
L4600E 5500N	<1	9	11	54	<.3	12	6	269	2.39	3	<5	<2	2	19	.2	<2	2	58	.32	.017	9	25	.61	110	.10	<3	1.73	.02	.06	<2	<1
L4600E 5400N	<1	21	15	128	.3	30	9	317	2.28	9	10	<2	2	45	.9	<2	<2	90	3.70	.077	20	50	.93	109	.06	<3	2.52	.03	.08	<2	1
L4600E 5300N	<1	15	7	74	<.3	13	6	367	1.95	5	8	<2	<2	32	.4	<2	<2	46	1.10	.044	13	27	.60	100	.06	<3	1.58	.05	.06	<2	1
L4600E 5200N	<1	39	6	55	.3	13	6	285	1.60	28	17	<2	<2	51	1.0	2	<2	44	3.06	.108	12	24	.50	92	.05	6	1.41	.04	.09	<2	4
L4600E 5100N	<1	15	11	65	<.3	20	7	290	2.06	11	13	<2	<2	32	.4	2	<2	55	1.18	.055	15	34	.64	92	.07	<3	1.41	.03	.07	<2	6
L4600E 5000N	1	24	11	81	<.3	20	7	401	2.02	13	15	<2	<2	51	1.1	<2	<2	84	2.78	.072	12	26	.75	152	.06	<3	1.89	.04	.06	<2	7
L4600E 4900N	<1	18	7	51	<.3	16	7	399	1.99	8	7	<2	<2	28	.2	2	<2	45	.93	.056	15	29	.57	139	.05	<3	1.48	.02	.05	<2	5
L4600E 4800N	<1	12	11	55	<.3	15	8	270	2.32	5	11	<2	2	19	.2	<2	<2	55	.31	.020	9	30	.55	161	.09	<3	1.84	.02	.06	<2	3
L4600E 4700N	<1	18	10	52	<.3	15	7	271	2.09	6	6	<2	2	24	.3	<2	<2	50	.54	.028	12	27	.62	156	.08	<3	2.07	.02	.06	<2	4
L4600E 4600N	<1	41	9	64	<.3	15	9	463	2.47	11	8	<2	4	70	.2	<2	2	57	4.17	.068	13	22	.77	145	.13	<3	1.73	.04	.23	<2	9
L4600E 4500N	1	14	8	85	<.3	11	7	470	1.92	5	8	<2	<2	25	.5	<2	<2	41	.74	.030	10	17	.50	109	.08	<3	1.38	.02	.07	<2	6
L4600E 4400N	<1	17	6	41	<.3	9	5	284	1.49	11	19	<2	<2	57	.4	<2	<2	35	1.85	.063	10	19	.44	85	.06	<3	1.13	.03	.07	<2	4
STANDARD C2/AU-S	20	62	45	142	6.6	75	39	1253	4.15	42	20	7	39	54	21.5	19	17	75	.57	.100	43	64	1.08	193	.07	26	2.19	.07	.16	13	47

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

SEE: NI CLAIMS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L4600E 4300N	<1	24	7	54	<.3	13	8	448	2.38	9	12	<2	4	51	<.2	<2	<2	55	.93	.085	16	19	.77	129	.14	<3	1.71	.05	.11	<2	7
L4600E 4200N	<1	9	8	41	<.3	11	6	218	1.91	7	<5	<2	4	20	<.2	2	<2	44	.32	.014	13	26	.50	106	.08	<3	1.48	.02	.05	2	5
L4600E 4100N	<1	20	7	50	<.3	14	6	343	2.08	9	5	<2	3	42	<.2	<2	<2	47	.78	.027	14	24	.63	122	.09	<3	1.75	.03	.06	<2	5
L4700E 5975N	<1	12	5	47	<.3	12	5	236	1.89	6	7	<2	<2	25	<.2	<2	<2	42	.52	.036	11	22	.52	118	.06	<3	1.53	.02	.06	<2	2
L4700E 5925N	1	18	10	85	<.3	9	11	743	2.04	4	<5	<2	2	28	<.2	<2	<2	55	.50	.020	13	21	.45	167	.09	<3	1.89	.02	.06	2	2
L4700E 5875N	<1	14	8	49	<.3	16	7	270	2.04	7	6	<2	2	25	<.2	<2	<2	47	.44	.021	10	29	.69	120	.09	<3	1.67	.03	.07	2	3
L4700E 5850N	<1	20	8	49	<.3	14	7	319	2.36	8	<5	<2	3	34	<.2	<2	<2	52	.58	.018	11	21	.72	106	.10	<3	1.94	.03	.10	<2	9
L4700E 5825N	<1	13	10	69	<.3	11	11	738	2.24	4	<5	<2	3	26	.3	<2	<2	42	.43	.035	10	23	.52	123	.10	4	1.33	.02	.16	<2	10
L4700E 5800N	1	21	7	47	<.3	13	8	430	2.12	13	7	<2	<2	36	<.2	<2	<2	46	1.05	.041	11	25	.67	113	.09	<3	1.54	.03	.20	<2	4
L4700E 5775N	<1	26	11	122	<.3	39	15	690	2.39	15	<5	<2	<2	79	1.4	2	<2	59	1.17	.072	9	93	1.17	214	.10	<3	2.73	.10	.09	<2	<1
L4700E 5750N	<1	12	8	62	<.3	12	7	405	2.22	6	<5	<2	<2	20	.4	<2	<2	45	.32	.034	8	23	.53	108	.09	<3	1.27	.02	.13	2	1
L4700E 5725N	1	16	9	74	<.3	13	9	487	2.29	6	<5	<2	2	22	.4	<2	<2	48	.35	.043	9	25	.54	120	.09	<3	1.43	.02	.14	<2	<1
L4700E 5700N	<1	16	12	151	<.3	14	12	1207	2.19	2	<5	<2	2	24	2.2	<2	<2	44	.42	.110	9	28	.58	157	.07	<3	1.47	.02	.14	<2	4
L4700E 5625N	<1	12	5	60	<.3	10	5	312	2.06	4	12	<2	<2	15	.4	<2	2	45	.20	.037	9	17	.40	107	.06	<3	1.42	.01	.08	<2	<1
L4700E 5600N	<1	10	7	74	<.3	12	6	321	2.24	4	<5	<2	<2	17	.2	<2	<2	50	.27	.034	10	30	.47	113	.07	<3	1.35	.01	.06	<2	1
L4700E 5575N	<1	15	9	86	<.3	16	9	467	2.42	6	10	<2	<2	30	.4	2	<2	58	1.00	.050	12	32	.64	186	.08	<3	2.03	.03	.07	<2	2
L4700E 5550N	<1	11	8	59	<.3	13	8	360	2.23	5	<5	<2	3	20	<.2	<2	<2	50	.34	.022	12	24	.54	111	.08	<3	1.71	.02	.06	<2	2
L4700E 5525N	1	11	7	94	<.3	13	6	390	2.10	4	<5	<2	<2	20	.4	<2	<2	45	.48	.030	11	31	.59	148	.08	<3	1.48	.02	.07	<2	7
L4700E 5500N	<1	26	8	77	<.3	28	10	517	2.46	7	17	<2	<2	37	.7	<2	<2	56	1.47	.091	18	39	.78	168	.06	<3	2.04	.04	.07	<2	3
L4800E 5975N	<1	17	4	50	<.3	16	8	225	2.13	9	<5	<2	<2	120	.4	<2	<2	64	15.04	.007	7	33	1.07	99	.07	<3	1.72	.08	.08	2	5
L4800E 5950N	1	19	5	57	<.3	44	13	335	2.39	13	<5	<2	<2	146	.3	3	<2	66	9.51	.020	8	72	1.61	115	.06	<3	2.05	.08	.07	<2	4
L4800E 5900N	<1	19	7	45	<.3	15	8	326	2.05	10	5	<2	3	44	<.2	<2	<2	48	1.14	.046	10	24	.77	100	.09	4	1.49	.05	.14	<2	6
L4800E 5875N	<1	20	3	52	<.3	21	11	311	2.94	<2	<5	<2	<2	127	.3	<2	<2	90	15.22	<.001	5	28	1.57	188	.12	<3	2.13	.09	.17	<2	2
L4800E 5850N	<1	19	7	47	<.3	28	9	303	1.76	8	<5	<2	<2	113	.3	2	<2	63	8.90	.032	10	52	.85	206	.06	<3	1.45	.04	.21	<2	1
RE L4800E 5850N	<1	19	3	46	<.3	28	9	305	1.73	6	6	<2	<2	111	.4	2	<2	62	8.68	.032	9	55	.83	201	.06	<3	1.40	.04	.20	<2	<1
L4800E 5825N	<1	20	4	65	<.3	30	7	277	1.78	11	5	<2	<2	129	1.3	<2	<2	43	6.35	.104	11	16	.64	97	.02	<3	1.52	.02	.12	<2	1
L4800E 5750N	<1	16	5	58	<.3	17	9	335	2.46	7	<5	<2	3	40	.2	<2	<2	62	.64	.029	12	37	.83	192	.11	<3	2.50	.04	.07	<2	7
L4800E 5725N	<1	11	6	50	<.3	16	7	294	2.19	6	<5	<2	3	26	.2	<2	<2	50	.44	.019	11	32	.63	105	.09	<3	1.84	.02	.07	<2	1
L4800E 5700N	<1	12	7	80	<.3	15	6	282	2.07	4	9	<2	<2	41	.4	<2	<2	43	.80	.038	11	30	.56	167	.06	<3	1.59	.02	.06	2	6
L4800E 5675N	1	15	8	52	<.3	17	7	278	2.19	5	14	<2	2	41	.4	<2	<2	48	.84	.036	11	29	.72	113	.08	3	1.81	.03	.07	<2	2
L4800E 5650N	<1	15	8	61	<.3	16	7	270	2.20	4	8	<2	<2	36	.2	<2	2	56	.86	.035	12	26	.64	125	.08	<3	1.97	.02	.05	<2	1
L4800E 5625N	<1	15	4	46	<.3	12	7	270	2.25	6	<5	<2	<2	28	.2	<2	<2	51	.56	.019	9	19	.55	152	.08	<3	1.75	.02	.07	<2	3
L4800E 5600N	<1	15	7	53	<.3	20	7	250	2.12	8	7	<2	<2	28	.2	<2	<2	49	.70	.031	14	30	.68	100	.06	<3	1.71	.02	.06	<2	2
L4800E 5575N	<1	17	9	56	<.3	14	7	331	2.13	6	7	<2	2	31	.2	<2	<2	52	.72	.037	13	25	.68	144	.08	<3	2.12	.03	.05	<2	6
STANDARD C2/AU-S	20	57	37	133	6.3	70	36	1160	3.94	40	22	7	35	51	20.1	15	16	70	.54	.094	38	57	1.05	185	.07	24	2.09	.06	.15	11	46

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L4800E 5550N	<1	16	8	61	<.3	18	7	299	2.03	7	7	<2	<2	32	.5	<2	2	47	1.06	.070	15	37	.63	121	.06	<3	1.55	.03	.06	<2	6
L4800E 5525N	<1	14	8	49	<.3	15	7	391	1.95	5	<5	<2	2	24	.2	<2	<2	45	.79	.058	14	33	.53	154	.06	3	1.54	.02	.05	<2	17
L4800E 5500N	<1	12	7	50	<.3	15	6	242	2.22	7	<5	<2	3	16	<.2	2	<2	51	.28	.030	12	34	.55	126	.09	<3	1.77	.01	.05	<2	9
L4800E 4100N	<1	27	12	106	.3	15	8	1031	2.36	3	11	<2	<2	37	1.1	<2	2	58	1.27	.041	14	33	.56	163	.08	<3	2.27	.02	.05	<2	2
L4900E 5975N	<1	42	12	140	<.3	32	11	396	2.66	14	<5	<2	3	56	.5	2	3	67	1.24	.048	11	48	1.23	174	.12	<3	2.47	.05	.11	<2	7
L4900E 5950N	<1	21	8	52	<.3	14	7	378	2.20	11	<5	<2	2	37	.2	<2	<2	50	.84	.045	12	27	.71	134	.12	<3	1.52	.04	.08	<2	9
L4900E 5925N	1	17	11	47	<.3	16	7	387	2.25	9	<5	<2	<2	37	.2	2	2	62	.55	.034	10	37	.85	112	.08	<3	2.02	.04	.06	<2	6
L4900E 5900N	1	19	11	56	<.3	17	9	353	2.58	5	<5	<2	3	30	<.2	2	3	66	.51	.020	10	36	.91	133	.12	<3	2.23	.03	.08	<2	3
L4900E 5875N	1	16	10	43	<.3	16	6	254	1.81	8	<5	<2	<2	116	<.2	4	<2	45	8.52	.002	12	20	.86	138	.06	<3	2.02	.10	.07	<2	2
L4900E 5850N	<1	16	6	52	<.3	36	11	286	2.69	8	5	<2	3	44	<.2	<2	<2	73	1.26	.030	11	74	1.34	199	.17	<3	1.99	.06	.13	<2	1
L4900E 5825N	1	32	10	61	<.3	20	7	343	2.00	9	9	<2	<2	42	.4	3	<2	45	1.68	.053	15	26	.61	151	.07	<3	1.49	.03	.08	<2	1
RE L4900E 5825N	1	32	9	60	.3	20	7	337	1.98	9	<5	<2	<2	42	.5	2	<2	45	1.68	.053	15	30	.60	149	.06	<3	1.48	.03	.08	<2	3
L4900E 5800N	<1	18	7	48	<.3	14	7	344	2.17	5	<5	<2	2	34	<.2	2	<2	49	1.27	.030	11	28	.68	159	.08	<3	1.68	.03	.07	<2	2
L4900E 5750N	<1	17	8	54	<.3	16	6	334	2.00	7	5	<2	<2	27	.2	<2	<2	49	1.02	.043	14	30	.61	125	.06	<3	1.51	.03	.06	<2	1
L4900E 5725N	1	8	9	46	<.3	10	5	243	1.90	4	7	<2	3	21	<.2	<2	<2	47	.38	.017	10	28	.47	129	.09	<3	1.51	.01	.05	<2	1
L4900E 5700N	1	16	13	70	<.3	24	8	297	2.16	4	5	<2	2	42	.4	3	<2	66	.98	.029	11	29	.68	175	.09	<3	2.07	.03	.10	<2	<1
L4900E 5675N	<1	14	8	46	<.3	15	7	327	2.06	6	7	<2	<2	43	.3	3	<2	47	.97	.027	11	29	.63	122	.08	<3	1.65	.03	.06	<2	2
L4900E 5650N	<1	15	7	45	<.3	16	6	267	1.97	5	15	<2	2	38	<.2	<2	<2	41	1.00	.044	10	30	.65	161	.07	3	1.48	.03	.06	<2	1
L4900E 5625N	<1	12	11	51	<.3	14	6	336	1.98	9	7	<2	2	24	.2	4	<2	48	.72	.021	12	27	.64	127	.08	<3	1.91	.02	.05	<2	2
L4900E 5600N	<1	17	11	60	<.3	15	7	373	2.28	2	10	<2	<2	34	.4	<2	<2	54	1.37	.049	15	30	.59	173	.07	<3	2.21	.02	.05	<2	4
L4900E 5575N	1	17	11	74	<.3	19	7	263	2.32	6	8	<2	2	30	.4	3	<2	60	.80	.020	11	32	.79	140	.10	<3	2.46	.02	.06	<2	2
L4900E 5550N	1	11	9	83	<.3	11	8	801	2.34	<2	<5	<2	<2	49	.5	<2	<2	54	7.38	.022	10	25	.63	176	.09	<3	1.98	.02	.05	<2	<1
L4900E 5525N	<1	11	10	46	<.3	12	6	248	2.13	4	<5	<2	3	19	.2	<2	<2	51	.36	.010	10	24	.56	120	.10	<3	1.69	.02	.05	<2	3
L4900E 5500N	<1	16	9	47	<.3	15	6	239	2.01	4	6	<2	<2	32	.3	<2	<2	44	1.90	.048	13	27	.63	115	.06	<3	1.81	.03	.06	<2	2
L5000E 5950N	<1	20	6	39	<.3	11	6	247	1.66	16	11	<2	<2	38	<.2	<2	<2	38	.92	.032	9	23	.49	145	.06	<3	1.43	.04	.07	<2	1
L5000E 5925N	<1	21	8	41	<.3	12	7	334	1.85	8	10	<2	<2	43	<.2	2	<2	47	1.18	.029	9	30	.60	152	.07	<3	1.51	.04	.06	<2	1
L5000E 5875N	3	68	11	115	.4	49	17	629	3.09	18	<5	<2	<2	304	1.0	5	<2	103	18.97	.009	5	87	1.73	69	.07	<3	2.31	.15	.11	<2	3
L5000E 5850N	1	21	6	45	.3	15	8	324	2.05	10	<5	<2	<2	96	<.2	2	<2	51	7.69	.009	11	22	.66	113	.07	3	1.55	.08	.08	<2	3
L5000E 5825N	1	30	8	146	<.3	67	25	453	3.01	16	5	<2	<2	150	.4	3	<2	136	15.91	.001	8	120	2.02	193	.11	<3	2.48	.07	.08	<2	1
L5000E 5775N	1	26	11	54	<.3	15	8	364	2.55	6	<5	<2	2	42	<.2	3	<2	60	1.17	.019	13	33	.86	186	.12	<3	2.29	.06	.06	<2	7
L5000E 5750N	1	12	8	49	<.3	14	6	248	2.22	7	12	<2	2	19	<.2	3	<2	54	.46	.010	10	26	.62	129	.11	<3	1.69	.02	.06	<2	3
L5000E 5725N	1	14	7	54	<.3	13	6	285	1.99	6	5	<2	<2	26	.3	<2	<2	43	1.27	.044	11	24	.55	136	.06	<3	1.56	.02	.05	<2	1
L5000E 5650N	<1	16	9	49	<.3	15	6	262	2.06	4	8	<2	2	21	.2	<2	<2	46	.56	.033	11	26	.59	125	.07	<3	1.86	.02	.05	<2	1
L5000E 5625N	<1	14	6	44	<.3	17	6	238	2.01	8	8	<2	2	26	<.2	<2	<2	43	.55	.022	13	30	.63	153	.08	<3	1.78	.03	.06	<2	2
L5000E 5550N	2	10	9	41	<.3	13	6	245	1.97	3	<5	<2	3	19	<.2	<2	<2	47	.36	.024	11	25	.54	133	.09	<3	1.69	.01	.05	<2	1
STANDARD C2/AU-S	21	62	44	139	6.4	74	38	1230	4.17	41	20	6	37	53	20.8	18	19	74	.56	.099	41	67	1.07	199	.08	24	2.14	.07	.15	11	48

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L5000E 5525N	1	9	9	46	.3	11	6	223	2.03	4	6	<2	3	16	<.2	<2	<2	50	.25	.013	9	23	.43	111	.10	<3	1.63	.01	.04	<2	<1
L5000E 5500N	1	9	6	44	<.3	13	7	291	2.04	6	<5	<2	2	16	<.2	<2	<2	46	.40	.026	10	25	.52	123	.08	<3	1.73	.02	.04	<2	2
L5000E 4900N	<1	25	13	121	.3	16	7	476	2.26	9	8	<2	<2	38	2.2	3	<2	55	2.34	.085	14	30	.52	153	.06	<3	2.19	.02	.06	<2	2
L5000E 4800N	<1	19	10	63	<.3	21	6	287	2.10	5	6	<2	2	38	.2	<2	<2	51	.97	.044	13	32	.70	148	.08	<3	1.73	.03	.06	<2	2
L5000E 4700N	1	15	8	74	<.3	9	6	773	1.48	5	8	<2	<2	36	.6	2	<2	41	1.06	.064	7	23	.43	131	.05	<3	1.47	.03	.05	<2	1
L5000E 4600N	1	19	9	57	<.3	16	6	324	1.92	7	9	<2	<2	30	.9	<2	<2	43	1.53	.080	14	29	.52	104	.05	<3	1.49	.02	.05	<2	2
L5000E 4500N	1	48	10	68	<.3	21	10	404	2.34	18	7	<2	2	40	.3	3	2	59	1.00	.035	12	24	.66	124	.10	<3	1.95	.04	.07	<2	3
L5000E 4400N	<1	18	7	49	<.3	13	7	389	1.97	4	<5	<2	<2	33	<.2	<2	<2	46	.59	.036	10	23	.52	147	.07	<3	1.67	.02	.05	<2	2
L5000E 4300N	<1	14	7	36	<.3	11	6	203	2.06	5	<5	<2	2	23	<.2	<2	<2	45	.33	.027	10	19	.46	133	.09	<3	1.97	.02	.06	<2	3
L5000E 4200N	1	8	9	61	<.3	8	6	308	2.23	8	<5	<2	3	19	.2	<2	<2	55	.26	.024	9	22	.41	141	.10	<3	1.59	.01	.06	<2	1
L5000E 4100N	<1	11	9	48	<.3	10	6	294	2.12	8	<5	<2	3	17	<.2	<2	<2	44	.25	.052	10	25	.43	92	.08	<3	1.33	.01	.07	<2	3
L5100E 5975N	<1	27	9	69	<.3	21	8	270	2.17	6	<5	<2	2	27	<.2	<2	<2	49	.47	.025	10	23	.63	86	.09	<3	1.78	.03	.06	<2	4
L5100E 5950N	<1	18	12	49	<.3	16	8	283	2.22	8	<5	<2	3	27	<.2	<2	<2	52	.50	.027	10	29	.58	111	.08	<3	1.68	.02	.06	<2	31
L5100E 5925N	1	34	7	70	<.3	21	9	260	2.72	41	<5	<2	3	36	<.2	<2	<2	80	.45	.027	9	36	.87	119	.11	<3	2.90	.05	.08	<2	3
L5100E 5900N	<1	48	6	72	<.3	55	15	441	4.19	84	5	<2	3	181	<.2	2	2	219	1.87	.032	5	366	5.08	114	.24	<3	5.16	.26	.14	<2	3
RE L5100E 5900N	1	48	6	70	<.3	55	16	435	4.17	86	7	<2	3	180	<.2	<2	<2	217	1.85	.032	6	360	5.03	113	.23	<3	5.12	.26	.14	<2	2
L5100E 5875N	7	46	10	101	.3	88	17	286	3.37	66	<5	<2	<2	373	1.1	6	<2	131	17.92	<.001	4	160	2.67	236	.08	<3	4.08	.30	.08	<2	1
L5100E 5850N	<1	18	8	66	<.3	15	10	694	2.40	5	<5	<2	2	40	.5	2	<2	57	1.03	.019	9	29	.76	167	.12	<3	1.99	.03	.07	<2	2
L5100E 5775N	1	22	8	47	<.3	12	6	303	1.76	5	<5	<2	<2	28	.2	<2	<2	40	.98	.051	11	30	.45	177	.05	<3	1.50	.02	.05	<2	2
L5100E 5750N	<1	11	10	89	<.3	11	6	391	2.18	4	<5	<2	2	21	.7	<2	<2	52	.45	.023	8	28	.49	120	.10	<3	1.39	.02	.09	<2	1
L5100E 5700N	<1	16	9	46	<.3	20	7	277	2.03	7	<5	<2	<2	26	.3	<2	<2	44	.77	.037	13	24	.60	115	.07	4	1.58	.03	.06	<2	7
L5100E 5675N	1	14	8	48	<.3	17	7	242	2.28	5	<5	<2	2	21	<.2	<2	<2	52	.41	.021	9	27	.57	115	.09	<3	1.60	.02	.06	<2	1
L5100E 5650N	<1	14	7	71	<.3	15	8	345	2.23	5	<5	<2	3	23	<.2	<2	<2	52	.45	.020	11	30	.57	154	.09	4	1.74	.02	.06	<2	1
L5100E 5625N	1	10	8	39	<.3	14	5	200	1.86	4	<5	<2	2	20	<.2	2	<2	49	.36	.020	10	27	.48	131	.09	<3	1.62	.02	.04	<2	28
L5100E 5600N	<1	13	8	81	<.3	15	7	298	2.03	3	<5	<2	<2	20	.3	<2	<2	45	.39	.027	12	25	.47	130	.07	<3	1.71	.02	.04	<2	<1
L5100E 5575N	1	10	10	74	<.3	8	8	604	1.52	2	<5	<2	<2	16	.6	2	2	35	.27	.021	5	16	.30	113	.07	<3	1.00	.02	.05	<2	1
L5100E 5550N	1	13	7	84	<.3	17	6	358	2.03	2	<5	<2	<2	23	.4	<2	<2	43	1.01	.062	13	33	.50	155	.05	<3	1.83	.02	.05	<2	2
L5100E 5525N	<1	12	11	57	<.3	15	7	293	2.20	5	<5	<2	3	21	.2	2	<2	52	.46	.019	12	32	.54	158	.09	<3	1.90	.02	.05	<2	3
L5100E 5500N	<1	17	7	62	<.3	19	7	222	1.86	5	<5	<2	<2	46	.6	<2	<2	41	7.36	.023	11	32	.53	111	.06	<3	1.51	.03	.05	<2	3
L5200E 5900N	1	15	9	55	<.3	13	7	307	2.13	9	<5	<2	2	22	.2	2	<2	49	.36	.017	10	26	.54	103	.09	<3	1.55	.02	.08	<2	6
L5200E 5800N	<1	16	11	119	<.3	12	10	679	2.04	3	<5	<2	<2	27	.7	<2	<2	40	.50	.063	9	20	.44	91	.07	<3	1.35	.03	.07	<2	2
L5200E 5700N	1	15	8	53	<.3	15	6	270	1.91	6	<5	<2	<2	26	<.2	<2	<2	41	.50	.035	10	23	.53	89	.08	<3	1.32	.02	.07	<2	6
L5200E 5500N	<1	24	8	58	<.3	18	7	344	2.07	6	<5	<2	3	32	<.2	<2	<2	46	.67	.051	13	28	.58	133	.08	4	1.48	.03	.07	<2	4
L5200E 5400N	1	12	10	67	<.3	9	5	326	1.55	<2	<5	<2	<2	25	.2	<2	<2	42	.64	.028	10	21	.37	178	.06	<3	1.38	.02	.04	<2	621
L5200E 5300N	<1	25	12	155	<.3	16	9	576	2.16	4	6	<2	<2	35	.9	4	<2	46	1.59	.129	12	29	.52	198	.03	<3	2.01	.02	.05	<2	7
STANDARD C2/AU-S	21	63	43	143	7.0	76	39	1263	4.23	44	23	8	38	54	21.4	18	16	75	.56	.101	42	62	.98	197	.07	25	2.16	.07	.16	11	54

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

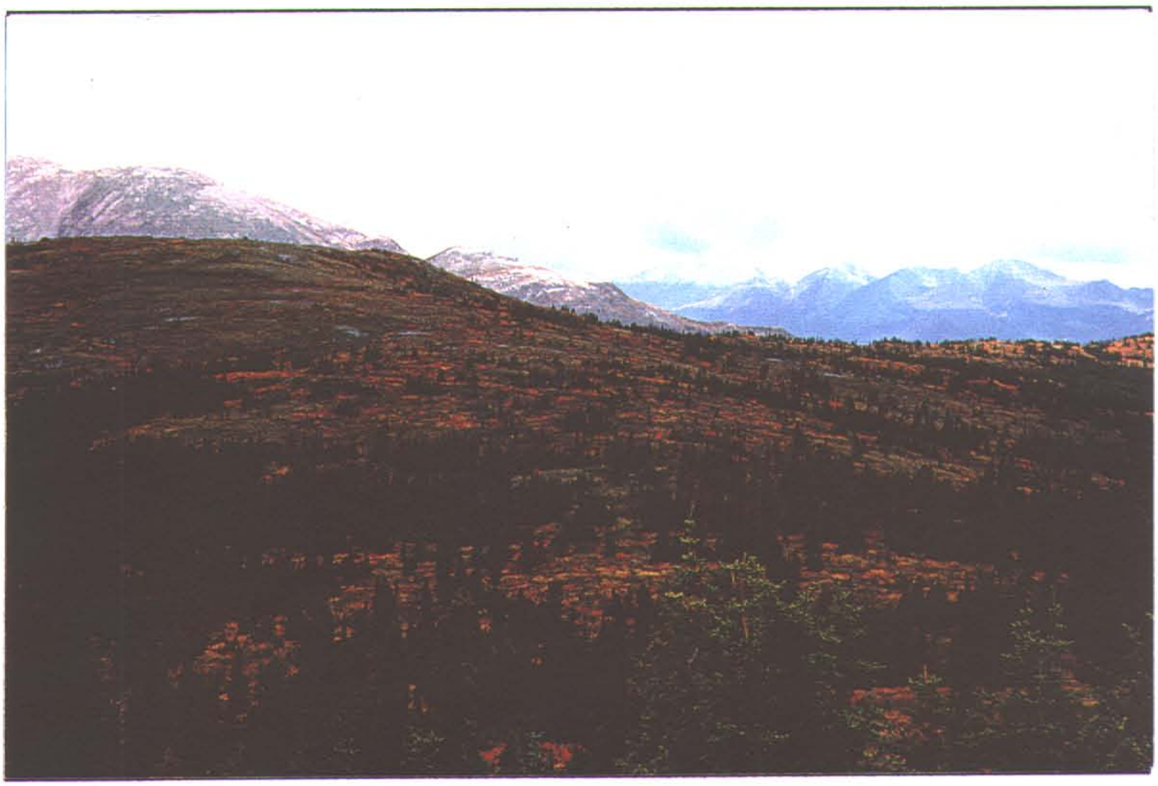
SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L5200E 5200N	1	12	6	44	<.3	9	5	402	1.96	6	<5	<2	2	21	<.2	2	3	36	.43	.040	10	20	.52	119	.08	3	1.40	.02	.04	<2	2
L5200E 5100N	<1	17	10	59	<.3	14	10	824	2.21	4	<5	<2	<2	20	.4	<2	<2	48	.53	.031	12	29	.49	148	.06	<3	1.75	.01	.04	<2	2
L5200E 5000N	<1	9	5	22	<.3	4	2	119	.79	3	<5	<2	<2	22	.2	<2	<2	19	.87	.049	4	7	.18	74	.03	<3	.68	.04	.02	<2	1
RE L5200E 5000N	1	8	<3	20	<.3	4	2	122	.79	2	5	<2	<2	21	<.2	<2	<2	20	.83	.049	4	8	.18	72	.03	4	.66	.04	.02	<2	<1

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

APPENDIX 6

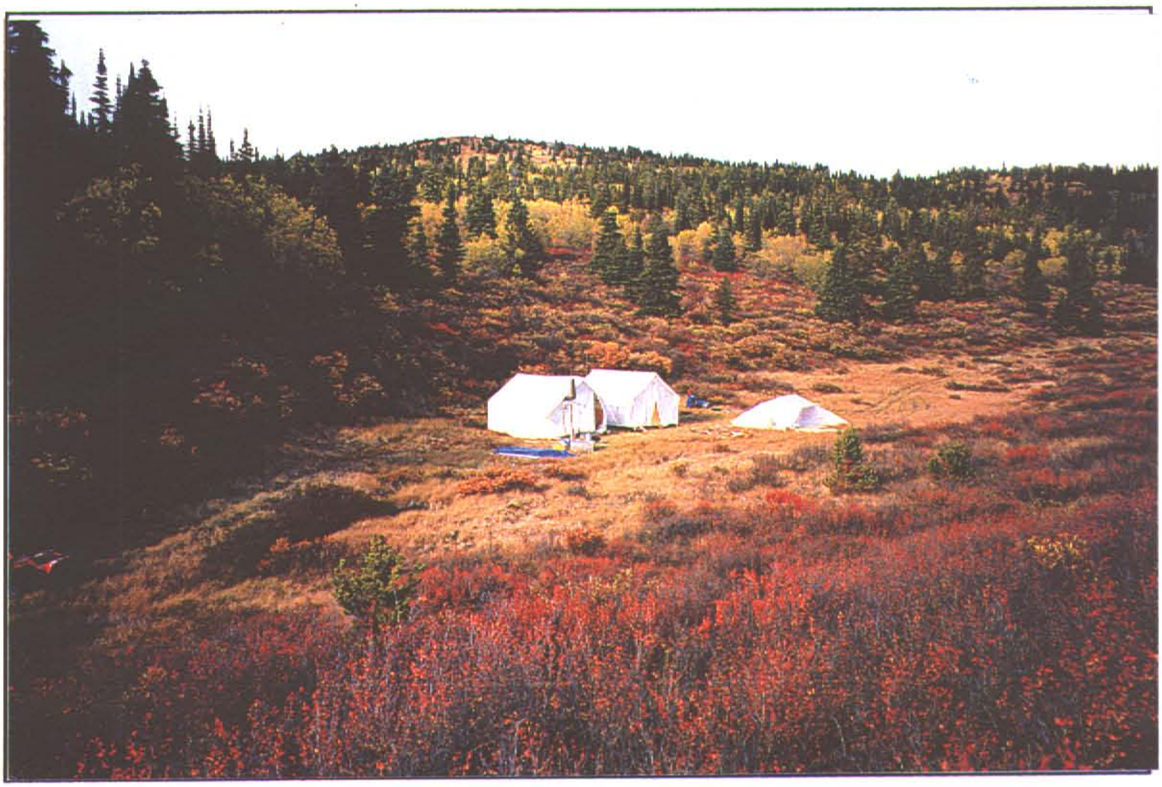
Photo Plates

1. View looking south over NI claims from hilltop with main showings. Fresh snow on Mt. Lorne in background.

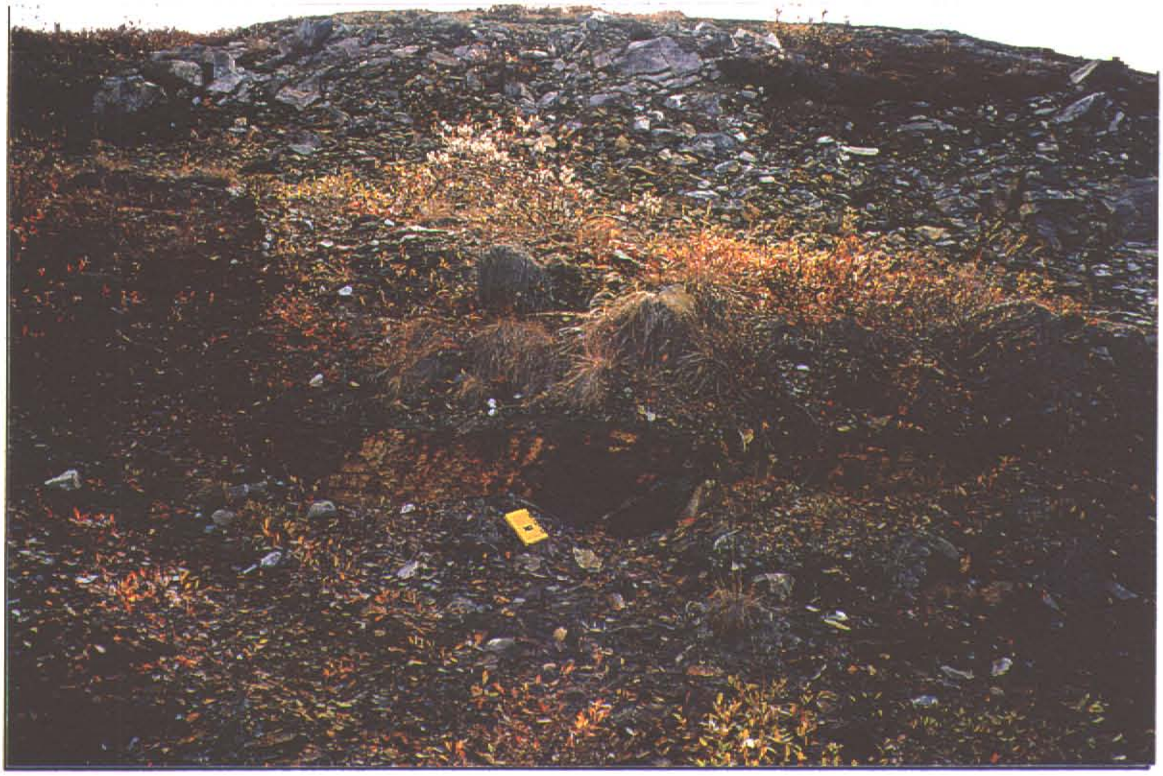


2. View SSW along claim line of claims NI 3-NI 6.

3. View SW from main showings. Nicholson & Associates camp at centre of photo.

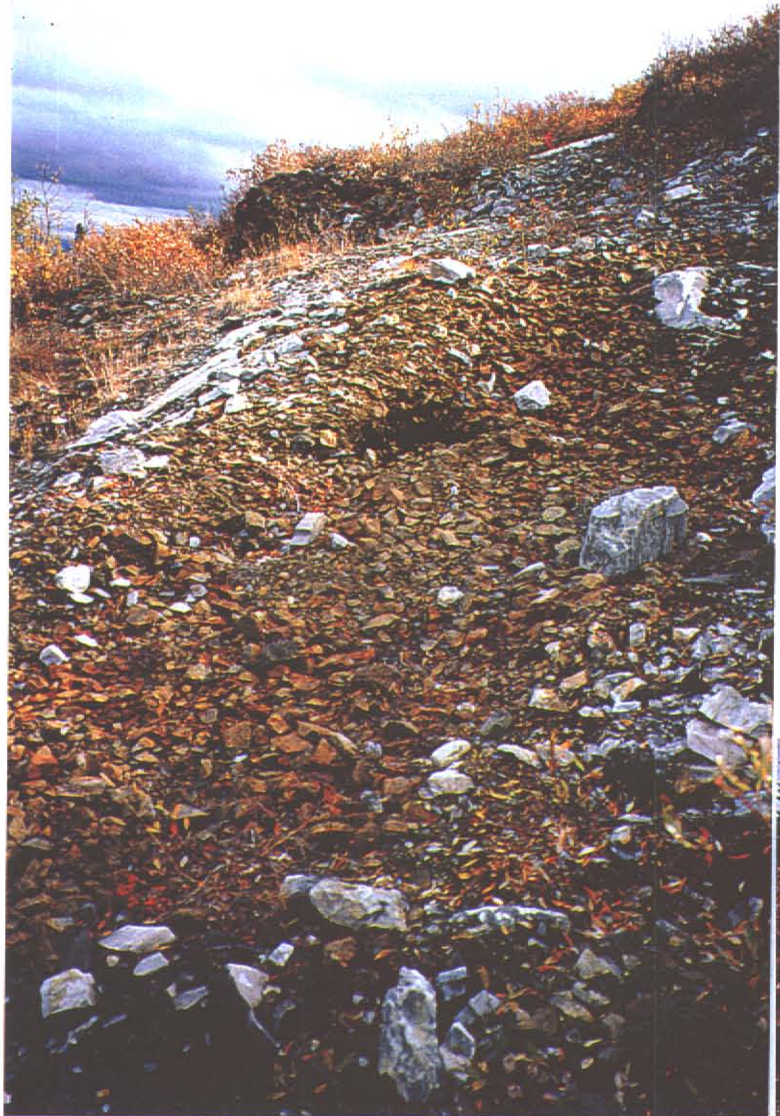


4. Nicholson & Associates field camp. Hilltop with main showing in background.

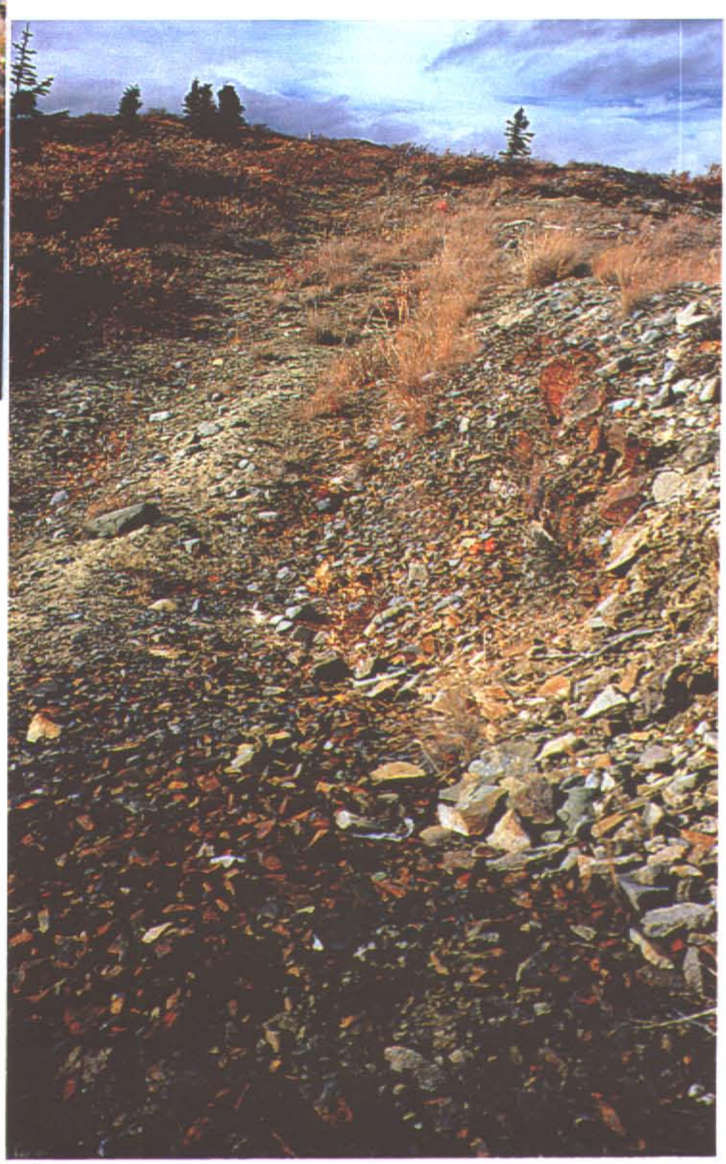


5.Trench # 1, looking south, showing limestone overlying rusted black siltstone. Samples BR 960 34 D,E and F taken left to right across siltstone outcrop.

6.View facing S.E. of mafic dyke outcrop in trench # 3 from which Brian Carter and others attained high gold values. Samples BR 960 44 A,B,C and D located left to right across outcrop.

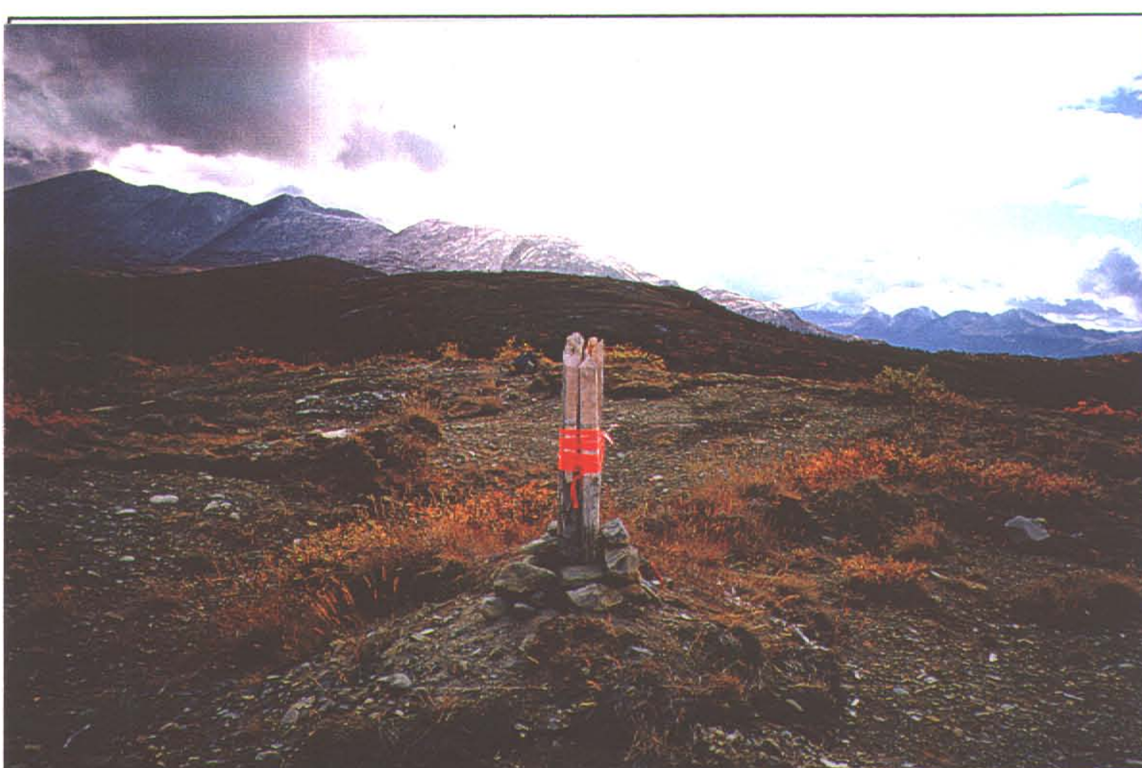


7. View S.E. along trench #3 showing limestone outcrop and dyke rubble. Outcrop from previous photo in upper left.



8. View west along trench # 5. Black rusted siltstone in foreground, felsic and intermediate dykes on right.

9. View N.W from main showings toward town of Whitehorse and Canyon Mountain. Rusted siltstone at centre foreground and extreme right of photo.

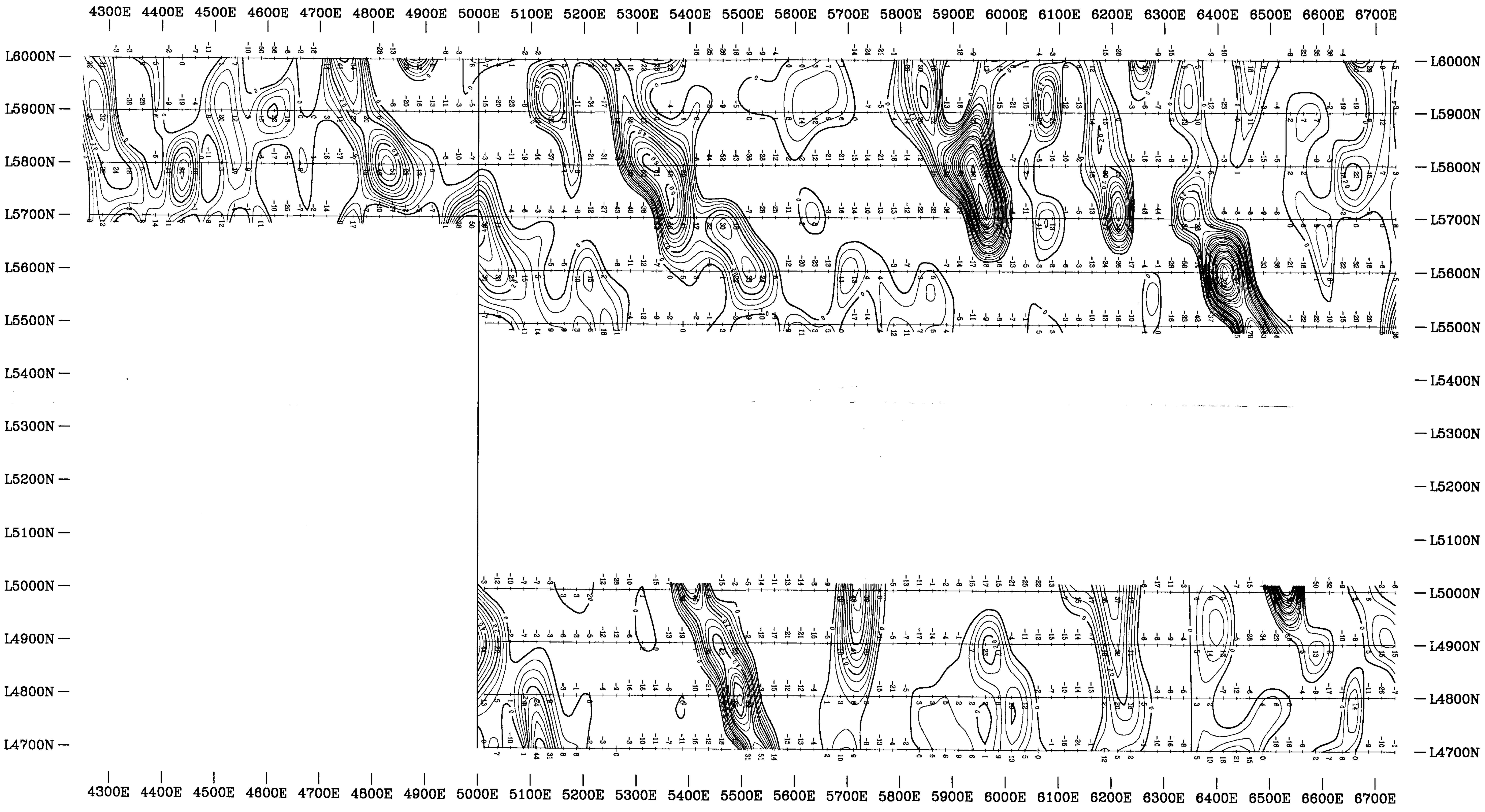


10. View south from main showing area, in which black siltstone and limestone are exposed.

11. View west from main showings toward limestone outcrops on adjacent hilltops.

12. Main cleared area (looking N.W.) showing rusted siltstone and rhyolite dyke (white).

13. Typical conditions for the last month of the program.



093737

LEGEND

CONTOUR INTERVALS

5

20

Station Separation: 25 metres
Transmitter Station: Seattle,Washington USA

Scale 1:5000

100 0 100 200 300 400

(metres)

DWG 8

NICHOLSON AND ASSOCIATES

NI CLAIMS
WHITEHORSE MINING DISTRICT

VLF – EM FRASER FILTER CONTOURS

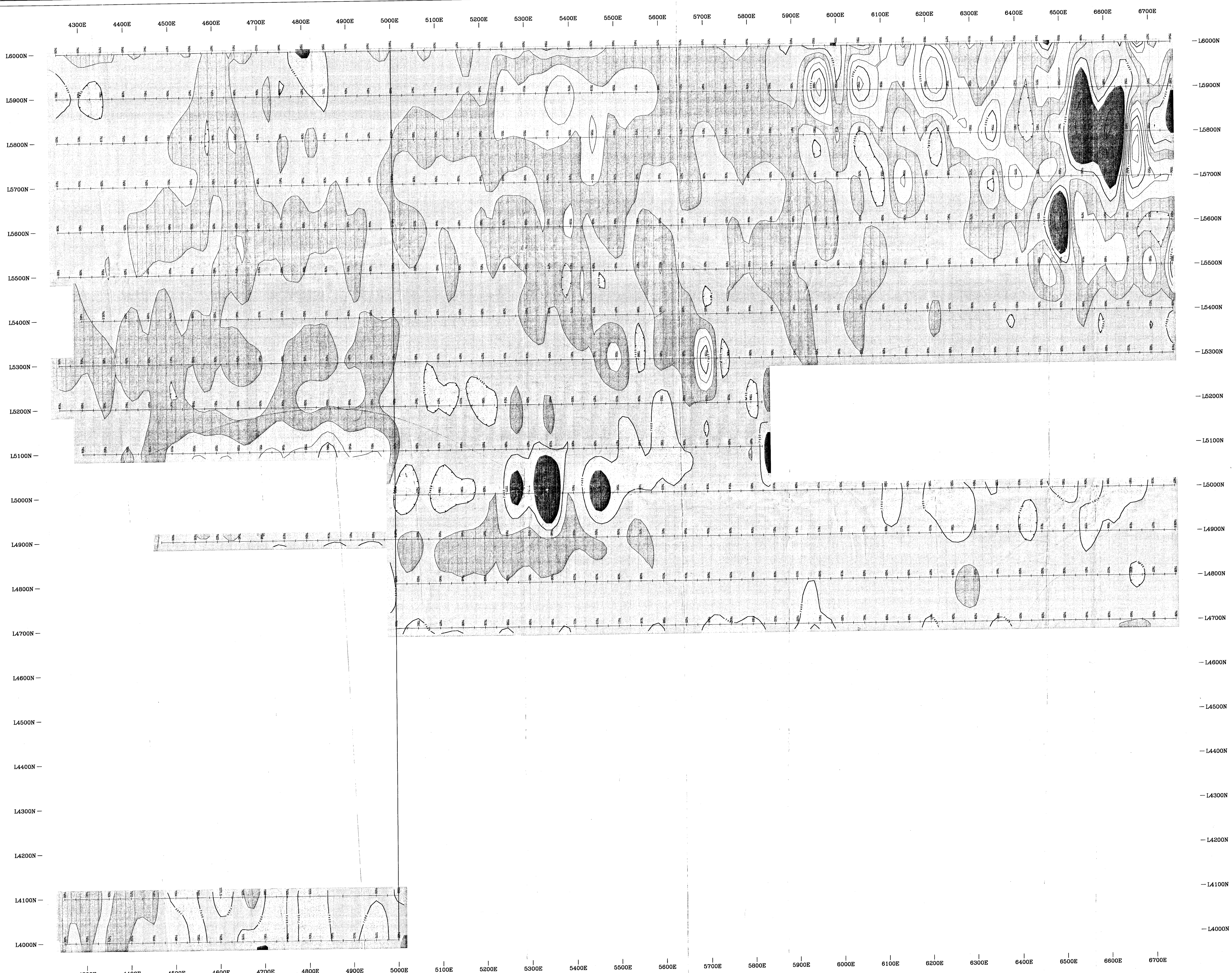
(3)

Scale 1:5000 Drawing No:97411-02

FIG. 7

LLOYD GEOPHYSICS INC.

4300E 4400E 4500E 4600E 4700E 4800E 4900E 5000E 5100E 5200E 5300E 5400E 5500E 5600E 5700E 5800E 5900E 6000E 6100E 6200E 6300E 6400E 6500E 6600E 6700E
L6000N
L5900N
L5800N
L5700N
L5600N
L5500N
L5400N
L5300N
L5200N
L5100N
L5000N
L4900N
L4800N
L4700N
093737
LEGEND
Good VLF Conductor
Fair VLF Conductor
Poor VLF Conductor
DWG (4)
Scale 1:5000
100 0 100 200 300 400
(metres)
DIAND - YUKON REGION, LIBRARY
NICHOLSON AND ASSOCIATES
NI CLAIMS
WHITEHORSE MINING DISTRICT
VLF - EM CONDUCTORS
(4)
Scale 1:5000
Drawing No:97411-04
FIG. 8
LLOYD GEOPHYSICS INC.



7500
7450
7400
7350

nT

LEGEND

CONTOUR INTERVALS

50 nT

200 nT

Station Separation: 25 metres

093737

NOTE: 50,000 nT have been removed from each posting. For reasons of clarity, only every second data point has been posted.

PROFESSIONAL GEOSCIENTIST G. E. NICHOLSON BRITISH COLUMBIA

DWG ②

Scale 1:2500

50 0 50 100 150 200

(meters)

NICHOLSON AND ASSOCIATES

NI CLAIMS

WHITEHORSE MINING DISTRICT

TOTAL FIELD MAGNETIC CONTOURS ⑤

Scale 1:2500 Drawing No:97411 -01

FIG.9

LLOYD GEOPHYSICS INC.