

**REPORT ON THE 1995
PROSPECTING, MAPPING,
AND SAMPLING PROGRAM
ON THE
093453 CAM CLAIMS**

Whitehorse Mining District, Yukon
(May 3-5, July 11-15, 1995)

YMIP # 95-060

Claims: Cam 1-4 (YB55287-290)
Cam 5-28 (YB57327-350)
Cam 29-42 (YB57519-532)

Location: 1. 70 km SE of Whitehorse, Yukon
2. NTS 105 C/5
3. Latitude: 60° 25'N
Longitude: 133° 55'W

For: **CAMDEN EXPLORATION**
55 Boswell Crescent
Whitehorse, Yukon
Y1A 2E9

By: R. Allan Doherty, P. Geo
Aurum Geological Consultants Inc.
205-100 Main Street
P.O. Box 4367
Whitehorse, Yukon
Y1A 3T5

March 11, 1996

SUMMARY

The Cam 1-42 claims are located north of Jakes Corner on the Alaska Highway. The claims were staked to cover an airborne geophysical anomaly and surface geology postulated to fit a deposit model for copper-nickel mineralization associated with gabbro, dunite and peridotite intrusions.

The property is underlain by Cache Creek terrane Mississippian to Jurassic ophiolitic basalts, gabbro, dunite and pyroxenites, and fine grained clastic and calcareous sedimentary rocks representing Stikine terrane rocks that are found in horst blocks within the Cache Creek Terrane. The Cache Creek terrane is a large thrust sheet that overlies rocks of Stikinia.

Regional airborne geophysical surveys funded by the Canada/Yukon Mineral Development were completed over the area in the spring of 1994.

Prospecting, mapping and geochemical sampling was completed over the Cam claims in 1995, failed to locate any significant bedrock mineralization. Soil geochemical surveys over the most obvious target area returned weakly anomalous Ni.

The geophysical conductor and Mag high remain to be investigated.

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INTRODUCTION

This report was prepared at the request of Camden Exploration. Its purpose is to summarize the results of the 1995 prospecting and exploration work completed on the Cam 1-42 Claims, and to satisfy the reporting and work requirements under the Yukon Quartz Mining Act.

Exploration work consisted of mobilizing a small camp to the Cam Claims and completing prospecting, mapping, gridding, and sampling between May 3-5 and June 11-15, 1995. Work was completed by personnel from Aurum Geological Consultants Inc., and by Dennis Ouellette and Jim McFaul.

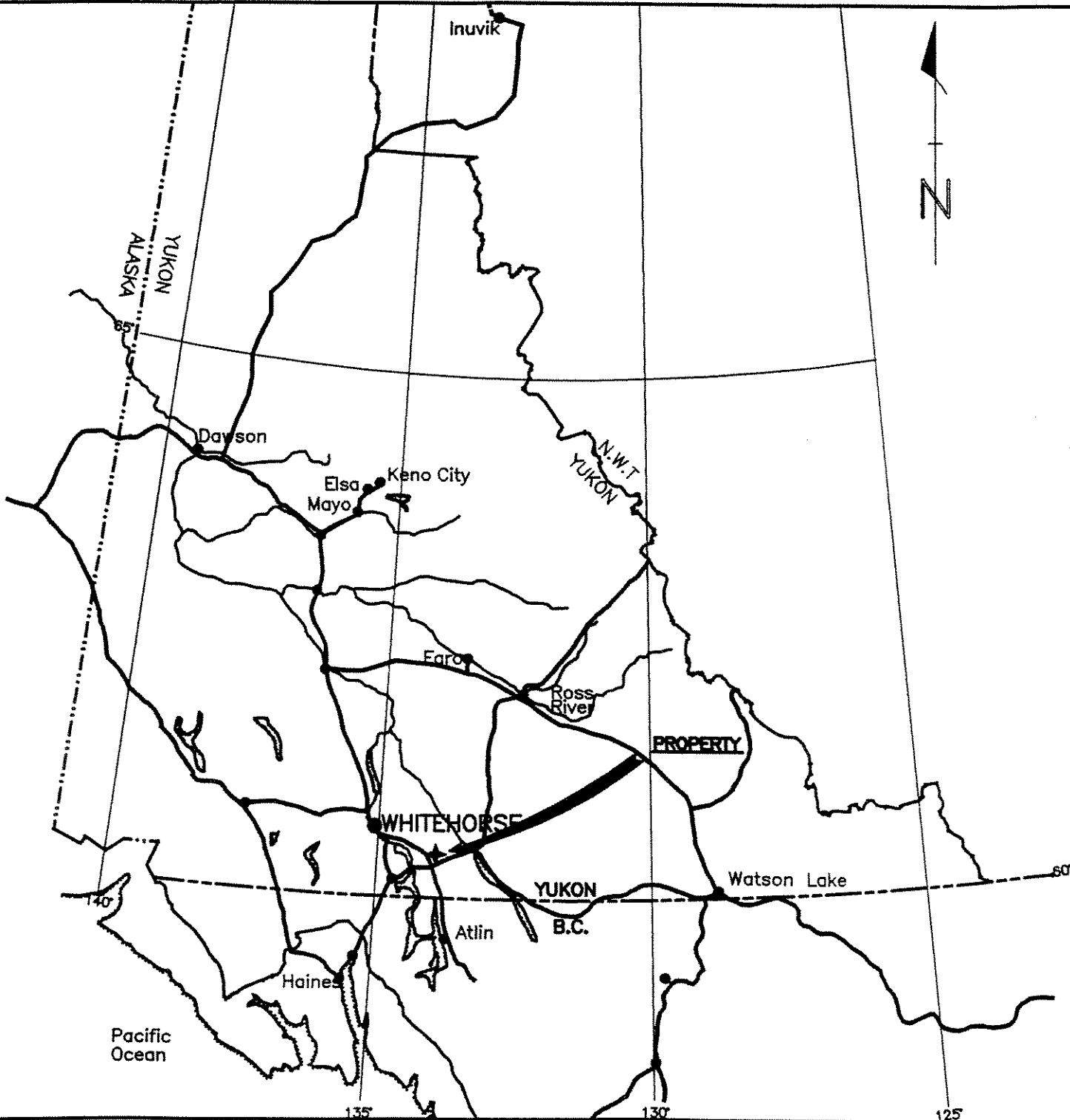
LOCATION AND ACCESS

The Cam Claims are located 8 km north of the Alaska highway, directly behind Jakes Corner. The claims are 70 km directly southeast of Whitehorse and can be accessed using old logging roads and trappers trails that lead up Judas Creek from the Alaska Highway. Alternately access by helicopter from Whitehorse is available, (Figures 1). The centre of the CAM 1-42 claim block is located at approximately 60°25'N latitude and 133°55'W longitude, within the 1:50,000 Squanga Lake map area, NTS 105 C/5.

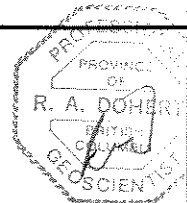
PHYSIOGRAPHY, CLIMATE AND VEGETATION

The property is located within the Teslin Plateau physiographic region. The area is characterized by moderate relief. Elevations range from 3500 to 5000 feet. Vegetation consists of White Spruce, Lodgepole Pine, and mature Aspen trees with very sparse willow growing in the lower creeks. Outcrop occurs on about 5% of the property and is exposed on ridges cliffs in steeper areas. Talus and felsenmeer are common on the steep ridges and mountainsides and mostly reflect underlying bedrock lithologies. The valley floors are covered by a thick mantle of glacial till which masks important bedrock geology contacts.

The climate in the area is characterized by cool winters and warm summers. Rainfall and thundershowers are common in the summer months. Average annual precipitation is 40 cm. The exploration season extends from May to late September.



CAMDEN EXPLORATIONS	
CAM 1-42	
WHITEHORSE MINING CLAIMS	
PROPERTY LOCATION MAP	
<i>Aurum Geological Consultants Inc.</i>	date: FEBRUARY, 1996
NTS: 105 C/5	drawn: JC
scale: 1:6,000,000	figure: 1



PROPERTY

The CAM 1-4 claims were first staked on October 10, 1994 and recorded at the Whitehorse Mining Recorders Office on October 26, 1994. The claims were staked in accordance with the Yukon Quartz Mining Act, (Figure 2). Subsequent to locating the CAM 1-4 claims, additional claims comprising the Cam 5-42 were staked on November 20, 1994 and registered on November 30, 1994. The mining recorder would not grant the Cam 29-42 or explain the refusal to grant the claims in writing. It was decided by the claim owners to withdraw the claim applications and re-stake the Cam 29-42. This was completed on May 3, 1995. Current claim status is shown on Figure 2. and are shown on Yukon Quartz Claim Sheet 105 C/5. Claim data for those claims granted is listed in Table 1.

Table I -CLAIM STATUS

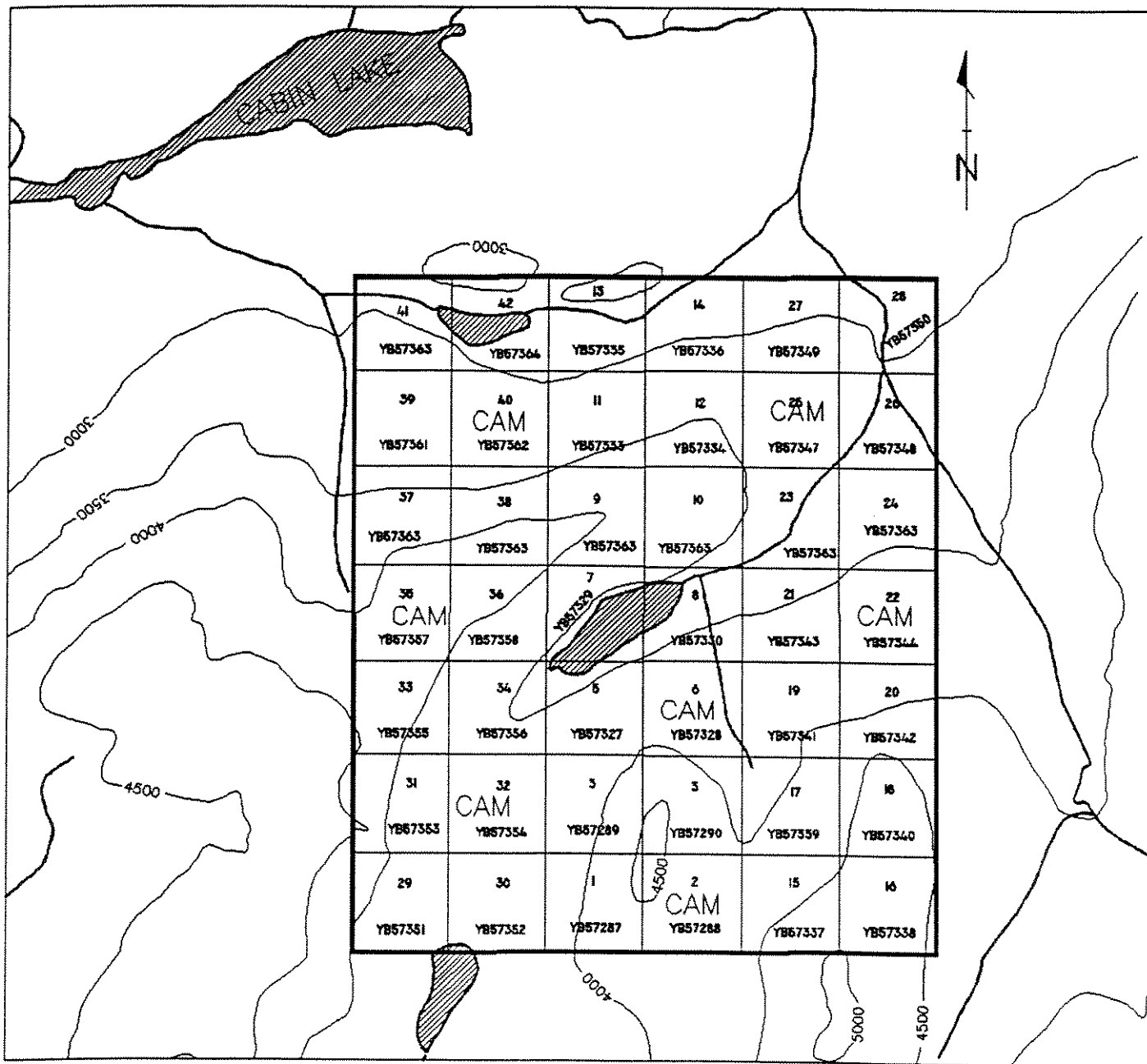
CLAIM NAME	GRANT NUMBER	NUMBER OF CLAIMS	EXPIRY DATE	MINING DISTRICT
CAM 1-4	YB55287-290	4	October 26, 1997 *	Whitehorse
CAM 5-28	YB7327-350	24	November 30, 1997	Whitehorse
CAM 29-42	YB57519-532	14	May 16, 1998	Whitehorse

* subject to approval of 1995 assessment work

HISTORY

There is no record of prior claim staking in this area. Eight kilometres southwest of the Cam claims in an area of similar geology, Minfile occurrence 105C178 reports anomalous gold in soils. To the southeast on a prominent ridge parallel to the Alaska highway a number of occurrences of asbestos fibre have reported exploration activity intermittently since the 1950's.

The Cam claims were staked to cover Ni in stream silt anomalies reported in RGS Open File 1217 associated with Cache Creek terrane ultramafic rocks intruding limestones. It was believed that the area was a good target for Sichuan type Ni-Cu sulphide mineralization.



Legend

- CLAIM #
GRANT#
- LAKE
- CREEK
- contour line
500 ft intervals



CAMDEN EXPLORATIONS	
CAM 1-42	
WHITEHORSE MINING DISTRICT	
CLAIM MAP	
Aurum Geological Consultants Inc.	date: FEBRUARY, 1995
NTS: 105 C/5	drawn: JC
scale: 1:30000	figure: 2

GEOLOGY

Regional Geology

The regional geology of the area consists of the Carboniferous to Permian Cache Creek terrane rocks of oceanic affinity (Wheeler and McFeely, 1991) that form a large regional thrust over Stikine terrane which comprises the Triassic and Jurassic Lewes River and Laberge Group limestone, siltstone, greywacke and conglomerate. Prominent northeast trending faults expose horsts of Stikine Terrane rocks within the overlying Cache Creek terrane rocks. The regional geology of this area of the Yukon has been mapped by Mulligan (1963) and more recently by Gordey and Stevens (1994) both at 1:250,000 scale. An open file geology report of the area surrounding the Cam claims (Hunt, Hart and Gordey, 1995) provides a good review of the regional geology and metallogeny.

Property Geology

The Cam Claims cover horst blocks of Stikine terrane Upper Triassic Lewes River group limestone, chert and siltstone in fault contact with Carboniferous to Permian Cache Creek terrane andesite and basaltic andesites intruded by a small (< 1 km), Carboniferous to Triassic ultramafic stock of peridotite and serpentinized peridotite composition. Dunite and harzburgite lithologies are reported at the Squanga occurrence (Minfile # 105C012) 15 km east of the Cam Claims.

An airborne geophysical survey was flown over this portion of the Marsh Lake belt in the early spring of 1994, a report with maps was produced (Smith, 1994), as well as two interpretations, (Power, 1995; Hunt, Hart and Gordey, 1995). Figure 3 shows the claim outline, property geology, stream silt anomalies and location of EM conductors and the soil grid.

Deposit Model

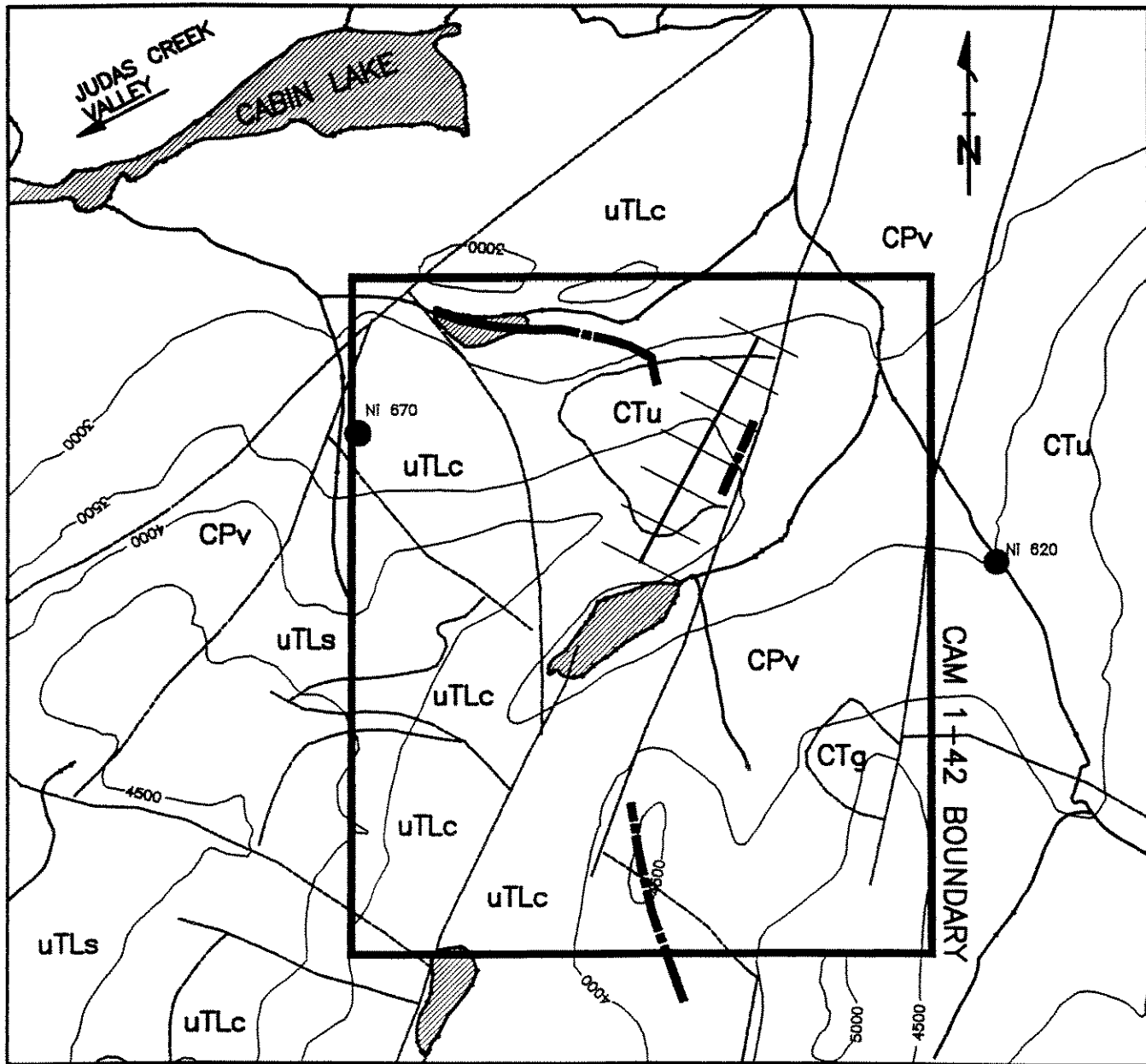
The property was staked and explored using a deposit model for Sichuan type Ni-Cu in ultramafic rocks. Permo-Triassic rift zone related ultramafic rocks consisting of dunite, peridotite and pyroxenite host immiscible sulphide liquids that produce Ni-Cu sulphide mineralization often localized along the base of the ultramafic intrusion through the process of crystal fractionation and cumulation in the intrusive magma. In the Sichuan model important characteristics of these deposit types are as follows:

1. deposits are spatially related to terrane boundaries and deep seated fault structures.
2. host rocks are small ultramafic intrusions of pyroxenite, peridotite and harzburgite composition, often with lower MgO/ <FeO> and higher in TiO₂ than found

in Alpine ultramafics.

3. Vertical and lateral zonation is common in the intrusions and the Ni-Cu sulphides are found in the lower part of the intrusions.

4. An external source of sulphur (ie. fetid limestones) may contribute sulphur to the system.

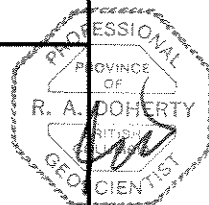


Legend

- | | |
|---|---|
| <p>CTu CARBONIFEROUS TO TRIASSIC PERIDOTITE AND SERPENTINIZED PERIDOTITE</p> <p>CTg CARBONIFEROUS TO PERMIAN MASSIVE HEAVILY CHLORITIZED, MEDIUM TO COURSE GRAINED, HORNBLEND-PYROXENE DIORITE AND GABBRO</p> <p>CPv CARBONIFEROUS TO PERMIAN MASSIVE, ANDESITIC, AND BASALTIC GREENSTONE</p> <p>uTLc UPPER TRIASSIC LEWES RIVER GROUP LIMESTONE</p> <p>uTLs UPPER TRIASSIC LEWES RIVER GROUP SANDSTONE, SILTSTONE SHALE</p> | <p>4000 — CONTOUR LINE (500 ft INTERVAL)</p> <p>— CREEK</p> <p>○ LAKE</p> <p>— BASELINE AND GRID</p> <p>— HELICOPTER EM ANOMOLY</p> <p>● CSC STREAM SEDIMENT SAMPLE</p> |
|---|---|



CAMDEN EXPLORATIONS	
CAM 1-42	
WHITEHORSE MINING DISTRICT	
PROPERTY GEOLOGY	
Aurum Geological Consultants Inc.	date: FEBRUARY, 1995
NTS: 105 C/5	drawn: JC
scale: 1:31680	figure: 3



1995 EXPLORATION

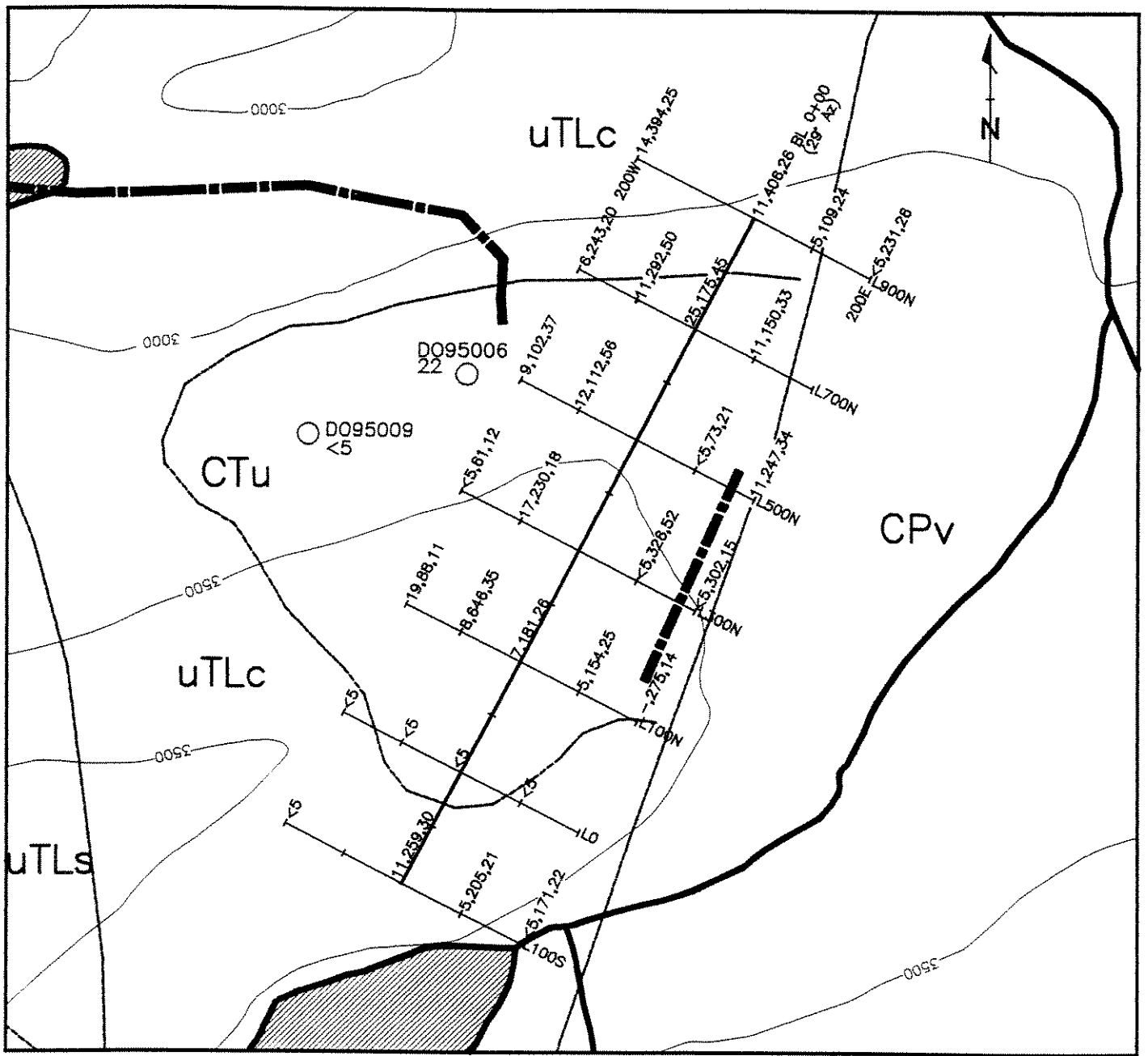
Introduction

Between May 3-5 and July 10-16, twenty man days were spent prospecting, mapping and sampling the Cam 1-42 Claims. Most work was concentrated on the centre of the claim block over areas believed to be underlain by ultramafic rock.

A small 3400 m grid was chained and cut and soil sampled. A total of 24 soil samples and 4 rock samples were collected and analyzed for gold plus 31 element ICP. Gold assays were provided by Northern Analytical Laboratories Ltd and ICP results from International Plasma Laboratory Ltd. The geochemical results are found in Appendix A.

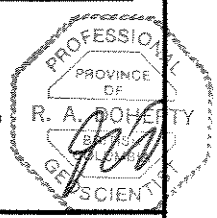
Results

The areas of interest from both geological and geophysical evidence are mostly overburden covered. The soil grid was located over this area and parallel to one EM conductor. Figure 4 shows the grid location and Au, Ni, and Cu soil analytical results. The average for 24 soil samples on the grid is 226 ppm Ni and 26 ppm Cu. The highest gold value was 25 ppb. Elements associated with listwanite style gold mineralization such as, Pb, and Sb are not elevated.



Legend

- CTu** CARBONIFEROUS TO TRIASSIC PERIDOTITE AND SERPENTINIZED PERIDOTITE
- CPv** CARBONIFEROUS TO PERMIAN MASSIVE, ANDESITIC, AND BASALTIC GREENSTONE
- uTLc** UPPER TRIASSIC LEWES RIVER GROUP LIMESTONE
- uTLs** UPPER TRIASSIC LEWES RIVER GROUP SANDSTONE/SILTSTONE SHALE
- 4000 — CONTOUR LINE (800 FT INTERVAL)
- CREEK
- LAKE
- BASELINE AND GRID ALIGNED SOIL SAMPLE
- 1986 ROCK GRAB SAMPLE
- HELICOPTER EM CONDUCTOR



CAMDEN EXPLORATION	
CAM 1-42	
WHITEHORSE MINING DISTRICT	
GRID SOIL GEOCHEMISTRY	
Au, Ni, Cu	
<i>Aurum Geological Consultants Inc.</i>	date: FEBRUARY, 1995
NTS: 105 C/5	drawn: JC
scale: 1:10000	figure: 4

CONCLUSIONS AND RECOMMENDATIONS

Mapping, prospecting and sampling over the Cam Claims has confirmed that the area has geological, geophysical and geochemical characteristics that may be permissive for the development of Ni-Cu mineralization associated with ultramafic intrusions.

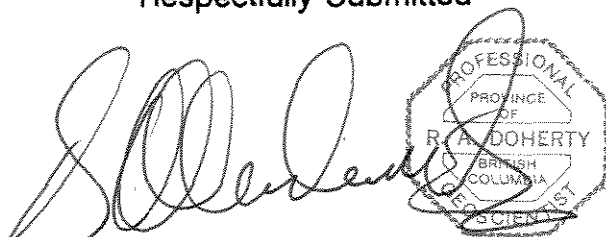
The area of most interest from geological and geophysical evidence is mostly overburden covered but still produced weak Ni-Cu soil anomalies.

It is recommended that further exploration be completed over the Cam Claims. The soil sample grid should be extended to cover the two northernmost EM geophysical anomalies and areas underlain by ultramafic intrusions. All creeks draining the property should be silt sampled and bulk sampled to derive heavy mineral concentrates.

The northern portion of the claims should be further prospected to locate areas of ultramafic intrusions and contact zones.

The Sichuan style Ni-Cu deposits are hosted in ultramafic intrusions that are similar to Alpine ultramafics but have relatively lower $MgO / <FeO>$. Whole rock analyses of ultramafic lithologies could provide useful information.

Respectfully Submitted

A handwritten signature in black ink, appearing to read 'R. Allan Doherty', is written over a circular professional seal. The seal contains the text 'PROFESSIONAL', 'PROVINCE OF', 'R. A. DOHERTY', 'BRITISH COLUMBIA', and 'GEOLOGIST'.

R. Allan Doherty, P. Geo.
Aurum Geological Consultants Inc.

March 11, 1996

REFERENCES

- DIAND 1993: Yukon Minfile, WP 5.1 Version, 15 Feb/93, Department of Indian and Northern Affairs, Exploration and Geological Services Division, Whitehorse.,
- Gordey, S.P. and Stevens, R.A., 1994: Preliminary interpretation of bedrock geology of the Teslin area (105C), southern Yukon: Geological Survey of Canada, Open File 2886.
- Hunt, J.A., Hart, C.J.R., and Gordey, S.P., 1995: Interpretive Geology of the Jakes Corner Geophysical survey, 1:50,000 scale map. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs, Open File 1995-7 (G)
- Power, M.A., 1995: Notes to Prospectors - Jakes Corner Dighem Survey Interpretation, Exploration and Geological Services Division, Yukon. Indian and Northern Affairs, Open File 1995-12 (G) .
- Smith, P.A., 1994: DIGHEM V Survey for Yukon prospectors' Association, Jakes Corner Project, Yukon Territory, Exploration and Geological Services Division, Indian and Northern Affairs, Open File 1994-10 (G).
- Wheeler, J.O., and McFeely, P. (comp), 1991: Tectonic Assemblage Map of the Canadian Cordillera and adjacent parts of the United States of America; Geological Survey of Canada, Map 1712A.

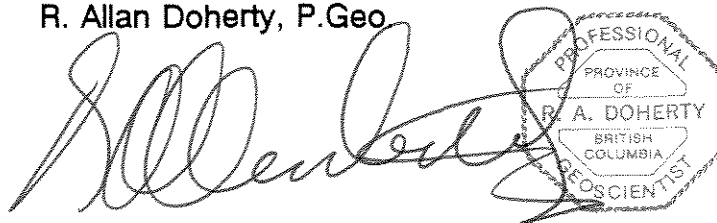
STATEMENT OF QUALIFICATIONS (RAD)

I, R. Allan Doherty, hereby certify that:

1. I am a geologist with AURUM GEOLOGICAL CONSULTANTS INC., 205 - 100 Main Street, P.O. Box 4367, Whitehorse, Yukon, Y1A 3T5.
2. I am a graduate of the University of New Brunswick, with a degree in geology (Hons. B.Sc., 1977) and that I attended graduate school at Memorial University of Newfoundland, 1978-80. I have been involved in geological mapping and mineral exploration continuously since then.
3. I am a member of the Association of Professional Engineers and Geoscientists of the Province of British Columbia, Registration No. 20564.
4. I am the author of this report based on information collected during property work completed between May 3-5, and July 11-15, 1995 on the Cam Claims.

March 11, 1996

R. Allan Doherty, P. Geo



The image shows a handwritten signature in black ink that reads "R. Allan Doherty". To the right of the signature is a circular professional seal. The seal contains the text: "PROFESSIONAL", "PROVINCE OF", "R. A. DOHERTY", "BRITISH COLUMBIA", and "GEOSCIENTIST".

STATEMENT OF COSTS

1995 Assessment Work Valuation; Cam 1-42 Claims, 105 C/5
Work completed between May 3-5, July 11-15, 1995

Personal

Allan Doherty, P.Geol., P.O. Box 4367, Whitehorse, Yukon, Y1A 3T5 (May 4, 1995), 1.0 days @ \$350.00	\$350.00
Dennis Ouellette, Geologist 55 Boswell crescent, Whitehorse, Yukon, Y1A 4T2 (May 3-5, July 10-16, 1995), 10 days @ \$350.00	\$3,500.00
Brian Sauer, Prospector, P.O. 43028, RPO Sapperton, B.C., V3L 5P7 (May 4, 1995), 1 days @ \$300/day	\$300.00
Jim McFaull, Geologist, 5 - 100 Lewes Blvd., Whitehorse, Yukon, Y1A 4T2 (July 11-15, 1995), 5 days @ \$350/day	\$1,750.00
Conrad Fox, Assistant P.O Box 4367, Whitehorse, Yukon, Y1A 3T5 (May 2-5, July 11-15,1995), 7 days @ \$200/day	\$1,400.00

Expenses - Camp and Transportation

Helicopter 206 B, 5.1 hrs @ \$834/hr:	\$1,570.00
Truck rental: 7 days @ \$100/day	\$700.00
ATV Rental: 5 days @ \$75.00	\$375.00
Camp & Food: 30 man days @ \$60/man day	\$1,260.00
Gasoline:	\$200.00
Analytical costs:	\$499.00

Report Costs:

Report Preparation:	\$ 500.00
Drafting:	\$200.00
Reprographics:	\$50.00

Sub-Total:	\$12,654.00
GST (7% of \$12,654.00):	\$885.78

TOTAL VALUATION OF 1995 ASSESSMENT WORK **\$13,539.78**

APPENDIX A

ANALYTICAL REPORTS

**NORTHERN ANALYTICAL LABORATORIES LTD WO#27984
INTERNATIONAL PLASMA LABS
iPL95I2806 Rocks**

24/07/95

Assay Certificate

Page 1

Dennis Ouellette

WO#27984

Sample # Au ppb

D095006	22
D095007	<5
D095008	<5
D095009	<5
BL 900N	11
L900N 200W	14
L900N 100E	5
L900N 200E	<5
L700N 200W	6
L700N 100W	11
BL 700N	25
L700N 100E	11
L500N 200W	9
L500N 100W	12
L500N 100E	<5
L500N 200E	11
L300N 200W	<5
L300N 100W	17
L300N 200E	<5
L300N 100E	<5
L100N 200W	19
L100N 100W	8
BL 100N	7
L100N 100E	5
L100S 100E	5
BL 100S	11
L100N 200E	<5
L100S 200E	<5

Certified by

