REPORT ON GRID PREPARATION, GEOCHEMICAL AND GEOLOGICAL SURVEYS ON THE TONKA 1 AND 2 CLAIMS

OMINECA MINING DIVISION
BRITISH COLUMBIA
N.T.S. 93F/12E
Lat. 53° 32'N Long. 125° 44'W

for

MINGOLD RESOURCES INC.
405 - 470 Granville Street
Vancouver, B.C.
V6C 1V5

by

E.W. YARROW, F.G.A.C.

September, 1989

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Introduction

The Tonka claims were staked in July 1988 as a result of a reconnaissance prospecting/sampling program in the Ootsa Lake area.

During the period June 20 to June 25, 1989 three persons employed by Mingold Resources Inc. conducted a program of grid preparation, soil sampling and reconnaissance geological mapping. The results of this program are the subject of this report.

Location & Access

The Tonka property is located approximately 70 kilometres south of Burns Lake and 217 kilometres southwest of Prince George (see Fig. 1). The legal corner post for Tonka 1 and 2 occurs in the Intata Reach area 4,900 meters north of White Eye Lake. Latitude 53° 32' N. Longitude 125° 44'W. NTS Map Sheet 93F/12E.

Access to the claims is by fixed-wing aircraft from Burns Lake to a small lake located on the south central portion of the claim block. Alternate access is via logging roads to the East Ootsa logging camp owned by West Fraser Timber. From the camp on the north shore of Intata Road (Ootsa Lake) ferry transportation across Ootsa Lake is available during the summer.

Claims

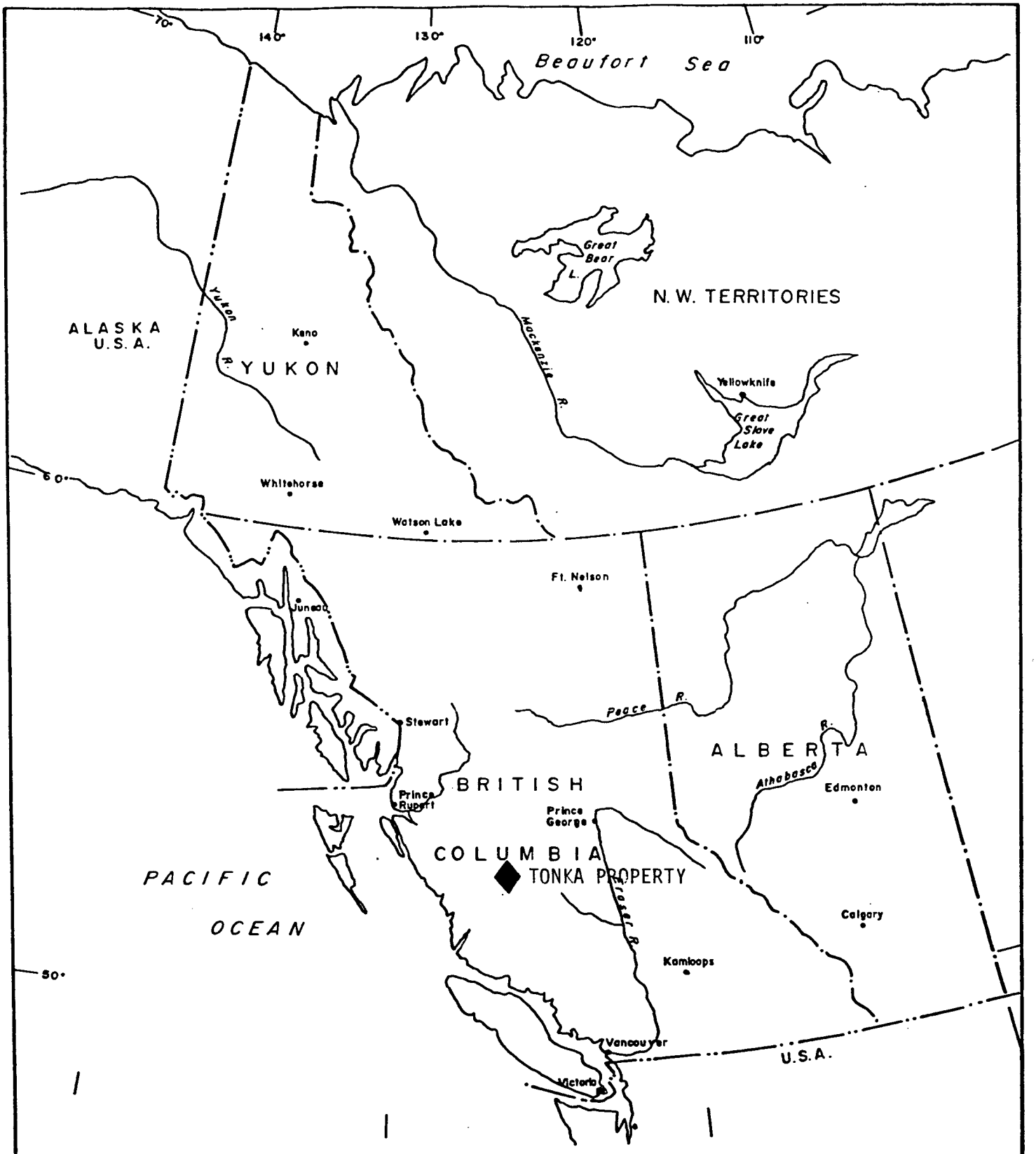
The Tonka property consists of 2 contiguous claims totalling 35 claim units in the Omineca Mining Division. The claims are wholly owned by Mingold Resources Inc. A breakdown of the claim information is shown in Table 1 and the location of the claims is shown on Figure 2.

TABLE 1 Tonka Claims Summary

Claim	No. of Units	Record No.	Record Date	Expiry Date
Tonka 1	20	9523	July 5/88	July 5, 1991
Tonka 2	15	9524	July 5/88	July 5, 1991

* Note the expiry date shown include the assessment credit for work presently being applied.

The claims for which assessment is being applied have been grouped into a 35 unit contiguous block.

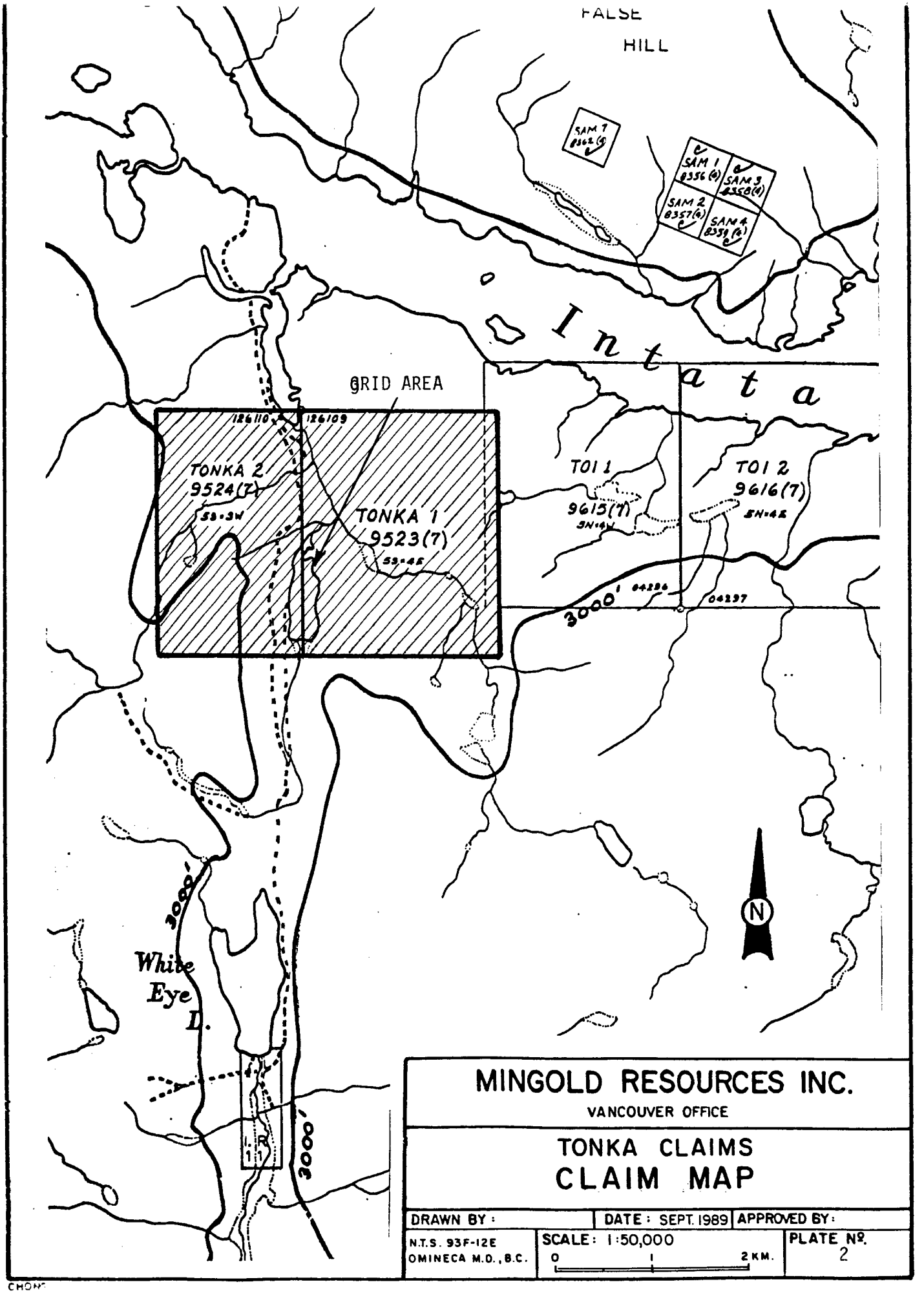


MINGOLD RESOURCES INC.

VANCOUVER OFFICE

LOCATION MAP
TONKA PROPERTY

DRAWN BY:	DATE:	APPROVED BY:
BRITISH COLUMBIA	0 200 400 KM. / 0 100 200 300 MILES	PLATE Nº. 1



MINGOLD RESOURCES INC.

VANCOUVER OFFICE

TONKA CLAIMS
CLAIM MAP

DRAWN BY:	DATE: SEPT. 1989	APPROVED BY:
N.T.S. 93F-12E OMINECA M.D., B.C.	SCALE: 1:50,000 0 1 2KM.	PLATE Nº. 2

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Personnel

Three Mingold personnel conducted the on-site work. Overall project supervision was provided by E.W. Yarrow. The Mingold personnel involved in the project were K.J. Taylor (geologist), G. Payie (geologist), T. Roberts (prospector).

Property History

The first known work in the area was by H.W. Tipper of the Geological Survey of Canada in 1949. At that time he undertook the initial government mapping of the area which was later published in G.S.C. Memoir 324. There is no record of mineral exploration on or around the present Tonka claim area.

In 1988 Mingold Resources prospectors discovered a zone of silicification on what is now the Tonka and 2 claims. Random chip sampling of this silicified zone yielded gold values up to 0.031 oz/ton and silver values up to 0.21 oz/ton. No additional work was conducted on the claims until 1989.

Geology (Plate No. 3)

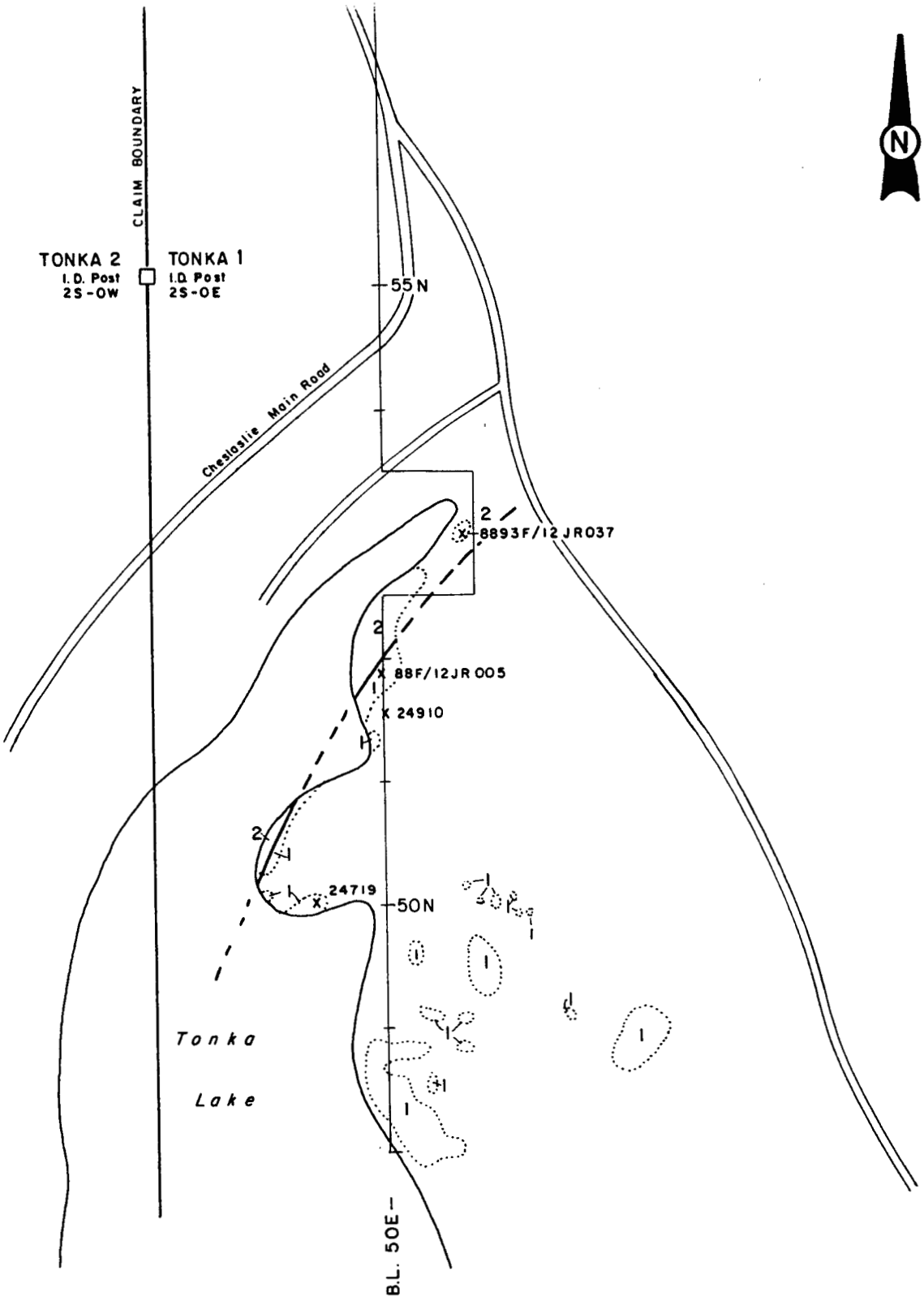
The Tonka claims occur in the south-central part of the Intermontane Geological Belt of the Northern Cordillera.

Lithologies range in age from late Triassic through Miocene with intermediate composition volcanics the dominant rock type. The oldest rocks in the area are the Upper Triassic Takla Group Volcanics which comprise island arc sequences of intermediate to basic volcanics. These were superseded by the Hazelton Group Volcanics in early to mid-Jurassic time.

The lower Mesozoic rocks are overlain unconformably by an extensive volcanic sequence known as the Ootsa Lake Volcanics. Recent work on the Whitesail (93E) mapsheet indicate this package of rocks is Eocene in age. (Drobe 1988). These rocks are believed to occur over most of the claim area and comprise flows and tuffs of andesitic composition.

The Ootsa Lake Group is in turn overlain and intruded by andesitic to basaltic flows, dykes and plugs of the Oligocene to Miocene Endako Group. These rocks are typically in the basalt range and have likely resulted from "plateau-type" extrusion. Hydrothermal alteration which is evident in the Ootsa Lake Group seldom extends into the Endako sequence.

The region is structurally complex with evidence of numerous north northeast striking faults cutting rocks of the area. The Tonka claims are bisected by a north striking fault which is probably the locus of the zone of silicification.



Ootsa Lake Group Volcanics

2 Brecciated, silicified and quartz veined andesite

1 Green andesite and microdiorite - phases of same rock unit

Outcrop

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TONKA CLAIMS
GEOLOGY

DRAWN BY:	DATE: SEPT. 1989	APPROVED BY:
N.T.S. 93F-12E OMINECA M.D., B.C.	SCALE: 1:5000 0 50 100 200 metres	PLATE 3

CHONG

This zone of silicification comprises an area of banded chalcedonic silica which measures 325 meters long by 25 meters wide. This zone strikes northeast and is masked by overburden to the northeast and by a lake to the southwest. This zone contains values up to 0.031 oz/ton gold and 0.21 oz/ton silver along with anomalous arsenic and erratic mercury values.

Grid Preparation

A 900 meter baseline (50 + 00E) was established on a north-south bearing by blazing trees and hanging orange fluorescent flagging to provide line of site. East-west section lines were flagged in every 100 meters along the baseline commencing at line 48 +00N and going to 57 +00N. Stations were flagged in every 25 meters along the lines for a distance of 500 meters east of the 50 +00E baseline. This grid served as a control feature for the 1:5000 geological mapping and the soil sample survey.

A total of 5 kilometres of section line and .9 kilometres of baseline was established.

Geochemistry

Soil Geochemistry:

A total of 196 soil samples were collected over the Tonka grid during the period June 20 to June 25, 1989.

Soil sampling was carried out on lines 100 meters apart from 48N to 57N with 25 meter stations. Samples were collected from a depth of 15 to 25 cm using a grub-hoe and then placed in a Kraft soil bag. The entire area has been glaciated however a rusty brown to grey brown soil has been developed within the till. It is believed that sampling of this horizon yields a measure of the in-situ metal content however values may be suppressed due to the thick till cover. Overburden depth vary from negligible in the area of the silicified zone to plus six meters elsewhere on the property.

Samples were air-dried and sent to Coastech Lab Research Inc. in Vancouver for gold analysis by atomic absorbtion technology analysis and to Chemex Labs Ltd., Vancouver for a 32 element ICP analysis.

Analytical Procedure

In the lab the soils are sieved to 80 mesh and then a 0.5 gram sample is digested with 3 ml. of 3-1-2 HCl-HNO_3 - H_2O at 95°C for one hour. This is then diluted to 10 ml with water and analyzed by an ICP unit. Gold detection limit by ICP is only 3 ppm so separate analysis was done for gold by atomic absorption. This method uses a 10 gram sample which is ignited at 600°C, digested with hot aqua regic and extracted by MIBK. This is then analyzed using a graphite furnace AA unit.

Discussion of Results (Plate No. 4)

Gold values in excess of 20 parts per billion and silver values in excess of 1.0 parts per million were considered anomalous for this survey. These numbers were not derived from any statistical calculations but rather based on our knowledge and experience gained from working in the region.

There are three areas of elevated gold values (Anomaly A,B,C Plate No. 4) on the grid. Anomaly A is considered the most significant because it is on the strike projection of the silicified zone. The A anomaly is open to the north and marked by peak values of 300 p.p.b. gold. Silver values are not anomalous.

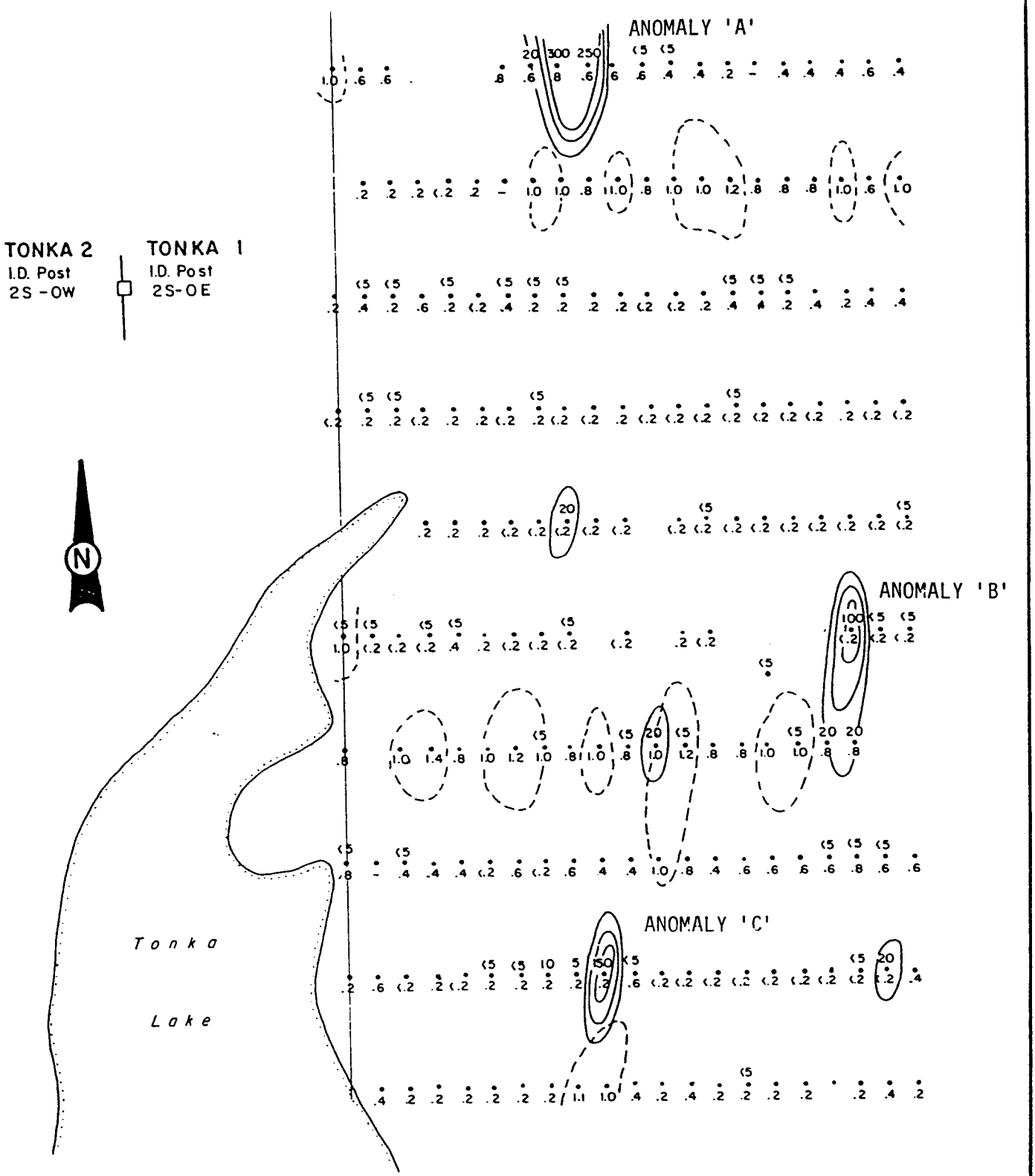
There does not appear to be correlation between anomalous gold and silver in the soils and no linear trends in either element over any appreciate length.

Epithermal type alteration and mineralized often has anomalous arsenic and antimony however on the Tonka these elements do not have any discernible patterns and do not correlate with precious metal anomalies.

Conclusions & Recommendations

The Tonka property presents an epithermal type gold-silver target in Tertiary volcanics. However the thick cover of drift precludes normal surface prospecting. The lack of sulphide content in the silica system also precludes geophysical techniques that use conductivity-chargeability measurements. The silica zone should present a target for a resistivity type survey and spot gold highs in soils should be followed up by backhoe trenching. Therefore the next stage of exploration should include additional soil sampling around the outlined gold anomalies and a resistivity survey. This work should be followed by a backhoe trenching and/or drilling program.

E.W. Yarrow



LEGEND

20 — Au in ppb

1.0 — Ag in ppm

Au contours at 20, 50, 100 ppb

Ag contour at 1.0 ppm

MINGOLD RESOURCES INC.

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TONKA CLAIMS

SOIL GEOCHEMISTRY - Au & Ag

DRAWN BY:	DATE: SEPT. 1989	APPROVED BY:
N.T.S. 93F-12E OMINECA M.D., B.C.	SCALE 1:5000 0 50 100 200 metres	PLATE Nº. 4

CHONG

STATEMENT OF QUALIFICATIONS

I, Edward W. Yarrow of 1819 - 127 A Street Surrey, British Columbia do hereby certify that:

1. I am a geologist with a B.Sc. in Geology from the University of British Columbia, 1970.

2. I have practised my profession continuously since 1970

3. I am a Fellow of the Geological Association of Canada Number F2869

4. I examined the fieldwork on which this report is based and found it to conform to accepted standards within the mining industry.

E.W. Yarrow
Regional Representative, Western District
Mingold Resources Inc.

September 28, 1989

STATEMENT OF QUALIFICATIONS

I, Kenneth J. Taylor of 15732 - 92B Avenue, Surrey, British Columbia do hereby certify that:

1. I am a geologist with a B.Sc. in Geology from the University of British Columbia, 1973.

2. I have practised my profession continuously since 1973.

3. I supervised the work on the Tonka 1-2 Claims in the Omineca Mining Division.

4. I have been involved with exploration in the Ootsa Lake area since 1985 to the present. During this time I have worked exclusively on epithermal gold/silver occurrences similar to that on the Loon.

K.J. Taylor
Senior Project Geologist
Mingold Resources Inc.

March 15, 1989

SELECTED BIBLIOGRAPHY

Andrew, K.	"Epithermal Precious Metal Mineralization in the Ootsa Lake Group, Wolf Prospect, Central British Columbia" Paper presented at the G.A.C. - Smithers Exploration Group Workshop; October, 1988.
Drobe, J.	"Stratigraphy and Petrology of the Ootsa Lake Group in the Whitesail Range", Paper presented at the B.A.C. Smithers Exploration Group Workshop; October, 1988.
Halsor, S.P. et al	"Geology of the Delamar Silver Mine, Idaho - A Volcanic Dome Complex and Genetically Associated Hydrothermal System", Econ. Geol. Vol. 83 p. 1159 - 1169; 1988.
Taylor, K.J.	"Geochemical and Trenching Report on the Barb 1 and Rhub 1-13 claims", Report for assessment; November, 1987.
	"Geochemical and Geophysical Surveying, Trenching and Drilling Report on the Rhub 1-13 and Barb 1 Claims", Report for assessment; December, 1988.
Thomason, R.E.	"Geology of the Paradise Peak Gold/Silver Deposit, Nye County, Nevada" FMC Corp. Paper received during field trip to Paradise Peak in October 1987.
Tipper, H.W.	"Nechako River Map-area, British Columbia", Geol. Surv. Can. Memoir 324; 1963.
Watson, B.N.	"Geological Setting and Characteristics of Bulk Tonnage, Low-Grade Silver Deposits in the Southern Cordillera" World Mining Magazine, P. 44-49; March, 1977.
Wood, J.D.	"General Geology of the Sleeper Gold Deposit, Humboldt County Nevada", Amax Exploration Paper, 1987.

STATEMENT OF COSTS
TONKA CLAIMS (35 units)

Personnel

K. Taylor	– Field Supervisor $200/day
G. Payie	– Geologist $150/day
T. Roberts	– Fieldman $125/day
E.W. Yarrow	– Project Supervisor $250/day

Geochemistry - 196 soil samples

Assays	– 196 samples at $14.85/sample	2,910.60
Sample preparation	– 196 samples @ $0.90 each	176.40
Wages	– 2 man days @ $150.00/day	300.00
	– 2 man days @ $125.00/day	250.00
Shipping	– Bus from Vanderhoof	45.40
Supplies	– Flagging, bags, etc.	50.00
Room/board	– 4 man days @ $50/man day	200.00
Truck rental	– 2 days @ $100/day incl. fuel	200.00

Control Grid - 900 meters of blazed/flagged baseline

Wages	– 1 man day @ $200.00/day	200.00
Room/board	– 1 man day @ $50/man day	50.00

Geological Mapping - 30 hectares of mapping

Wages	– 1 man day @ $200.00/day	200.00
Room/board	– 1 man day @ $50/man day	50.00

Mob/Demob to Project Area

Vancouver to Burns Lake return

Truck rental	– 3 days @ $100/day incl. fuel	300.00
Wages	– 3 days @ $200.00/day	600.00
	– 3 days @ $150.00/day	450.00
	– 3 days @ $125.00/day	375.00
Room/board	– 9 man days @ $50/man day	450.00

Report

Preparation	– 1.48 days @ $250.00/day	370.00
Drafting	– 6 hours @ $15.00/hr	90.00

TOTAL **7,267.40**

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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PHONE (604) 984-0221

To: COASTECH RESEARCH INC.

80 NICOLL ST.
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Project :

Comments: ATTN: JACK STANLEY

Page No. : 1-A
Tot. Pages: 5
Date : 14-AUG-89
Invoice # : I-8922775
P.O. # :

CERTIFICATE OF ANALYSIS A8922775

SAMPLE DESCRIPTION	PREP CODE		Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
48+00N 50+25E	214	238	3.29	0.4	85	320	< 0.5	2	1.26	< 0.5	16	42	37	3.53	10	< 1	0.08	1	0.46	865	
48+00N 50+50E	214	238	2.28	0.2	15	180	0.5	2	0.53	< 0.5	13	54	13	3.72	10	< 1	0.08	1	0.59	570	<
48+00N 50+75E	214	238	4.30	0.2	5	210	0.5	< 2	0.35	< 0.5	11	25	7	2.21	10	< 1	0.08	1	0.20	1675	
48+00N 51+00E	214	238	1.73	0.2	10	130	0.5	2	0.27	< 0.5	9	24	6	2.67	10	< 1	0.07	1	0.28	490	<
48+00N 51+25E	214	238	1.79	0.2	15	90	0.5	< 2	0.38	< 0.5	11	26	13	3.17	10	< 1	0.11	1	0.42	375	<
48+00N 51+50E	214	238	1.62	0.2	10	140	0.5	2	0.69	< 0.5	7	21	11	2.38	10	< 1	0.08	1	0.32	615	<
48+00N 51+75E	214	238	1.77	0.2	10	130	0.5	2	0.27	< 0.5	8	26	8	2.95	10	< 1	0.05	1	0.36	380	<
48+00N 52+00E	214	238	5.03	[illegible]	< 5	360	< 0.5	< 2	1.75	0.5	14	46	58	4.12	10	< 1	0.12	5	0.47	2490	<
48+00N 52+25E	214	238	4.68	[illegible]	10	240	1.0	< 2	0.70	< 0.5	12	36	30	3.60	< 10	< 1	0.08	2	0.38	320	<
48+00N 52+50E	214	238	2.31	0.4	< 5	160	< 0.5	< 2	0.50	0.5	10	30	20	2.87	10	< 1	0.09	2	0.46	1030	<
48+00N 52+75E	214	238	1.59	0.2	5	100	0.5	< 2	0.42	< 0.5	11	32	10	3.22	10	< 1	0.07	1	0.45	415	<
48+00N 53+00E	214	238	2.75	0.4	< 5	140	< 0.5	2	0.33	< 0.5	14	32	10	3.69	10	< 1	0.10	1	0.55	530	<
48+00N 53+25E	214	238	1.77	0.2	15	110	0.5	< 2	0.25	< 0.5	10	23	7	2.90	10	< 1	0.07	1	0.34	375	
48+00N 53+50E	214	238	2.06	0.2	< 5	150	0.5	2	0.29	< 0.5	11	25	8	2.98	10	< 1	0.08	1	0.33	345	
48+00N 53+75E	214	238	1.86	0.2	5	110	0.5	< 2	0.28	< 0.5	11	34	9	2.98	10	< 1	0.07	1	0.35	350	<
48+00N 54+00E	214	238	1.49	0.2	10	100	0.5	2	0.40	< 0.5	10	30	10	2.98	10	< 1	0.09	1	0.39	425	<
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48+00N 55+00E	214	238	2.08	0.2	15	120	0.5	2	0.35	< 0.5	12	25	8	3.50	10	< 1	0.09	1	0.33	430	<
49+00N 50+00E	214	238	1.28	0.2	15	700	< 0.5	< 2	2.88	3.0	24	28	[illegible]	2.22	< 10	1	0.08	1	0.32	8120	
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49+00N 50+75E	214	238	3.07	0.2	15	290	< 0.5	< 2	0.82	< 0.5	14	53	33	3.99	< 10	< 1	0.10	2	0.86	1170	
49+00N 51+00E	214	238	1.86	< 0.2	20	320	< 0.5	< 2	1.55	0.5	17	31	65	3.73	< 10	< 1	0.14	2	0.56	3670	
49+00N 51+25E	214	238	2.43	0.2	< 5	300	< 0.5	< 2	0.64	0.5	13	41	41	3.88	< 10	< 1	0.12	2	0.39	1715	<
49+00N 51+50E	214	238	2.68	0.2	10	230	< 0.5	< 2	0.67	< 0.5	13	44	34	3.98	< 10	< 1	0.12	2	0.72	1165	<
49+00N 51+75E	214	238	2.80	0.2	[illegible]	230	< 0.5	2	0.66	< 0.5	15	41	32	4.38	< 10	2	0.16	2	0.65	1635	
49+00N 52+00E	214	238	3.37	0.2	[illegible]	470	< 0.5	2	0.81	< 0.5	16	51	51	4.30	< 10	< 1	0.10	2	0.66	2400	<
49+00N 52+25E	214	238	2.83	0.2	5	230	< 0.5	< 2	0.63	< 0.5	13	47	33	4.11	< 10	< 1	0.10	1	0.60	2230	
49+00N 52+50E	214	238	2.51	0.6	5	190	0.5	< 2	0.39	< 0.5	10	30	17	3.34	< 10	< 1	0.18	1	0.49	760	<
49+00N 52+75E	214	238	1.81	< 0.2	5	210	0.5	2	0.43	1.0	12	29	21	3.64	< 10	1	0.12	1	0.38	1510	
49+00N 53+00E	214	238	1.79	< 0.2	< 5	130	0.5	< 2	0.31	< 0.5	8	27	7	2.47	< 10	< 1	0.06	1	0.31	415	<
49+00N 53+25E	214	238	2.02	< 0.2	< 5	120	0.5	< 2	0.21	< 0.5	10	28	7	2.94	< 10	< 1	0.05	1	0.33	325	<
49+00N 53+50E	214	238	1.64	< 0.2	< 5	140	0.5	< 2	1.30	0.5	11	26	24	3.27	< 10	< 1	0.11	2	0.56	900	<
49+00N 53+75E	214	238	1.57	< 0.2	< 5	100	< 0.5	< 2	0.23	0.5	6	25	6	2.30	< 10	< 1	0.06	1	0.30	380	<
49+00N 54+00E	214	238	1.69	< 0.2	< 5	120	0.5	< 2	0.29	< 0.5	9	29	6	2.75	< 10	1	0.09	1	0.25	855	<
49+00N 54+25E	214	238	1.92	< 0.2	< 5	120	0.5	< 2	0.33	< 0.5	11	30	9	2.88	< 10	< 1	0.09	1	0.39	615	<
49+00N 54+50E	214	238	1.76	< 0.2	< 5	200	0.5	< 2	0.37	< 0.5	12	32	12	3.09	< 10	< 1	0.08	1	0.35	1395	<
49+00N 54+75E	214	238	1.81	< 0.2	5	130	0.5	< 2	0.28	< 0.5	11	32	11	3.34	< 10	1	0.06	1	0.39	645	
49+00N 55+00E	214	238	1.92	0.4	360	380	0.5	< 2	0.70	< 0.5	6	26	12	4.40	< 10	< 1	0.40	1	1.42	1670	

CERTIFICATION :

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: COASTECH RESEARCH INC.

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V7J 2C9

Project :
Comments: ATTN: JACK STANLEY

Date : 14-AUG-89
Invoice # : I-8922775
P.O. # :

CERTIFICATE OF ANALYSIS A8922775

SAMPLE DESCRIPTION	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
48+00N 50+25E	214	238	0.02	29	900	12	< 5	8	79	0.12	< 10	< 10	69	10	86
48+00N 50+50E	214	238	0.01	30	1160	2	5	4	47	0.13	< 10	< 10	84	10	106
48+00N 50+75E	214	238	0.01	8	720	4	< 5	3	34	0.14	< 10	< 10	54	< 10	86
48+00N 51+00E	214	238	0.01	17	830	6	< 5	3	25	0.16	< 10	< 10	62	< 10	100
48+00N 51+25E	214	238	0.01	17	890	< 2	< 5	4	32	0.16	< 10	< 10	73	10	64
48+00N 51+50E	214	238	0.01	13	370	4	< 5	3	43	0.14	< 10	< 10	52	10	84
48+00N 51+75E	214	238	0.01	16	300	< 2	< 5	3	23	0.14	< 10	< 10	72	10	62
48+00N 52+00E	214	238	0.02	41	1160	< 2	< 5	14	115	0.09	< 10	< 10	59	20	110
48+00N 52+25E	214	238	0.02	30	880	8	< 5	10	60	0.10	< 10	< 10	56	20	120
48+00N 52+50E	214	238	0.01	25	560	8	< 5	7	48	0.15	< 10	< 10	56	10	100
48+00N 52+75E	214	238	0.01	18	570	2	< 5	4	35	0.22	< 10	< 10	77	10	66
48+00N 53+00E	214	238	0.01	26	1630	4	< 5	4	31	0.16	< 10	< 10	80	10	138
48+00N 53+25E	214	238	0.01	20	1050	4	< 5	3	24	0.14	< 10	< 10	64	10	74
48+00N 53+50E	214	238	0.01	21	1480	10	< 5	3	27	0.15	< 10	< 10	65	10	108
48+00N 53+75E	214	238	0.01	22	1000	< 2	< 5	4	29	0.18	< 10	< 10	69	10	70
48+00N 54+00E	214	238	0.02	16	630	< 2	< 5	4	39	0.20	< 10	< 10	72	10	60
48+00N 54+50E	214	238	0.02	14	230	12	< 5	4	31	0.15	< 10	< 10	50	10	68
48+00N 54+75E	214	238	0.03	18	660	2	< 5	5	43	0.20	< 10	< 10	75	10	56
48+00N 55+00E	214	238	0.01	24	2160	8	< 5	4	33	0.17	< 10	< 10	78	10	112
49+00N 50+00E	214	238	< 0.01	31	4220	2	< 5	3	138	0.01	< 10	< 10	25	10	114
49+00N 50+25E	214	238	< 0.01	26	2170	22	< 5	11	52	0.04	< 10	< 10	79	20	104
49+00N 50+50E	214	238	0.01	29	960	16	< 5	6	37	0.15	< 10	< 10	83	10	102
49+00N 50+75E	214	238	0.01	33	1330	8	< 5	8	51	0.10	< 10	< 10	75	10	110
49+00N 51+00E	214	238	0.01	18	1680	26	< 5	4	68	0.04	< 10	< 10	49	< 10	102
49+00N 51+25E	214	238	0.01	23	1080	10	< 5	5	41	0.11	< 10	< 10	68	10	112
49+00N 51+50E	214	238	0.01	28	1160	6	< 5	6	46	0.10	< 10	< 10	72	10	118
49+00N 51+75E	214	238	0.01	21	1330	4	5	4	39	0.10	< 10	< 10	78	< 10	152
49+00N 52+00E	214	238	0.01	25	1550	12	< 5	6	50	0.12	< 10	< 10	83	20	138
49+00N 52+25E	214	238	0.01	22	1660	4	5	4	37	0.11	< 10	< 10	82	< 10	134
49+00N 52+50E	214	238	0.01	21	790	6	< 5	4	29	0.13	< 10	< 10	62	< 10	120
49+00N 52+75E	214	238	0.01	14	800	14	< 5	4	37	0.13	< 10	< 10	68	< 10	114
49+00N 53+00E	214	238	0.01	17	510	< 2	< 5	3	27	0.16	< 10	< 10	49	< 10	98
49+00N 53+25E	214	238	0.01	19	470	4	< 5	3	21	0.21	< 10	< 10	61	< 10	98
49+00N 53+50E	214	238	0.04	19	850	< 2	< 5	6	81	0.12	< 10	< 10	61	< 10	74
49+00N 53+75E	214	238	0.01	13	440	< 2	< 5	3	23	0.16	< 10	< 10	50	< 10	90
49+00N 54+00E	214	238	0.01	15	1140	6	< 5	3	28	0.16	< 10	< 10	55	< 10	92
49+00N 54+25E	214	238	0.01	20	730	4	< 5	4	33	0.19	< 10	< 10	58	< 10	100
49+00N 54+50E	214	238	0.01	19	1140	4	< 5	3	35	0.19	< 10	< 10	60	< 10	110
49+00N 54+75E	214	238	0.02	19	610	6	< 5	3	34	0.17	< 10	< 10	69	< 10	88
49+00N 55+00E	214	238	0.08	44	1560	194	< 5	8	280	0.26	< 10	< 10	44	< 10	64

CERTIFICATION : _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To: COASTECH RESEARCH INC.

80 NIOBE ST.
NORTH VANCOUVER, B.C.
V7J 2C9

Project :
Comments: ATTN: JACK STANLEY

Page No. :2-A
Tot. Pages: 5
Date :14-AUG-8
Invoice # :A-892277
P.O. # :

CERTIFICATE OF ANALYSIS A8922775

SAMPLE DESCRIPTION	PREP CODE		Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
50+00N 50+00E	214	238	2.55	0.8	15	170	1.0	< 2	0.29	< 0.5	11	33	22	3.86	< 10	< 1	0.07	10	0.53	785
50+00N 50+25E	214	238	not/as	not/as	not/as	not/as	not/as	not/as	not/as	not/as	not/as	not/as	not/as	not/as	not/as	not/as	not/as	not/as	not/as	not/as
50+00N 50+50E	214	238	2.84	0.4	20	220	1.0	< 2	1.07	1.0	14	26	46	3.70	< 10	< 1	0.12	20	0.40	3220
50+00N 50+75E	214	238	1.37	0.4	5	320	0.5	< 2	1.87	3.0	17	21	124	2.70	< 10	< 1	0.18	10	0.27	7440
50+00N 51+00E	214	238	2.70	0.4	10	250	1.0	< 2	0.99	0.5	11	35	28	3.53	< 10	< 1	0.14	20	0.51	1090
50+00N 51+25E	214	238	1.39	< 0.2	< 5	350	0.5	< 2	0.77	1.0	13	25	34	2.48	< 10	< 1	0.09	10	0.24	4950
50+00N 51+50E	214	238	1.97	0.6	< 5	320	0.5	< 2	0.41	0.5	11	31	14	3.46	< 10	< 1	0.09	10	0.37	895
50+00N 51+75E	214	238	1.34	< 0.2	< 5	380	0.5	< 2	2.58	0.5	7	20	41	5.82	< 10	< 1	0.12	< 10	0.27	3330
50+00N 52+00E	214	238	2.26	0.6	10	140	0.5	< 2	0.42	< 0.5	11	31	22	3.57	< 10	< 1	0.10	10	0.43	1245
50+00N 52+25E	214	238	1.87	0.4	35	330	0.5	< 2	0.98	0.5	15	33	31	3.69	< 10	1	0.14	10	0.39	3070
50+00N 52+50E	214	238	1.94	0.4	25	340	0.5	< 2	1.02	1.0	13	36	32	3.77	< 10	< 1	0.15	10	0.40	3170
50+00N 52+75E	214	238	2.43	1.0	40	150	1.0	< 2	0.45	< 0.5	17	40	49	4.38	10	< 1	0.11	30	0.63	2010
50+00N 53+00E	214	238	1.88	0.8	20	90	0.5	< 2	0.42	< 0.5	10	33	10	3.28	< 10	< 1	0.16	10	0.41	470
50+00N 53+25E	214	238	0.87	0.4	10	60	< 0.5	< 2	0.26	< 0.5	4	21	7	1.54	< 10	< 1	0.05	10	0.21	295
50+00N 53+50E	214	238	1.92	0.6	< 5	160	0.5	< 2	0.62	< 0.5	8	33	11	2.58	< 10	1	0.09	20	0.33	820
50+00N 53+75E	214	238	1.38	0.6	5	100	0.5	< 2	0.32	< 0.5	6	27	8	2.46	< 10	< 1	0.05	10	0.31	350
50+00N 54+00E	214	238	1.17	0.6	15	80	0.5	< 2	0.28	< 0.5	6	26	5	2.17	10	< 1	0.05	10	0.23	345
50+00N 54+25E	214	238	1.30	0.6	5	80	< 0.5	< 2	0.31	< 0.5	7	33	6	2.34	10	< 1	0.06	10	0.34	375
50+00N 54+50E	214	238	1.67	0.8	10	110	0.5	< 2	0.26	< 0.5	8	30	3	2.74	10	< 1	0.10	10	0.24	710
50+00N 54+75E	214	238	1.87	0.6	< 5	90	0.5	< 2	0.30	< 0.5	9	28	7	2.88	< 10	< 1	0.06	10	0.32	385
50+00N 55+00E	214	238	1.25	0.6	< 5	110	0.5	< 2	0.26	< 0.5	4	22	10	2.31	< 10	< 1	0.05	10	0.18	285
51+00N 50+00E	214	238	2.01	0.8	15	110	0.5	< 2	0.40	< 0.5	13	27	13	3.38	< 10	< 1	0.10	10	0.49	475
51+00N 50+50E	214	238	2.72	1.0	20	70	1.0	< 2	0.36	< 0.5	12	47	31	4.38	< 10	1	0.07	10	0.73	440
51+00N 50+75E	214	238	2.44	1.4	55	210	1.0	< 2	0.41	< 0.5	17	35	17	5.17	< 10	< 1	0.11	20	0.74	1665
51+00N 51+00E	214	238	2.06	0.8	25	240	0.5	< 2	0.44	< 0.5	12	23	11	3.82	< 10	< 1	0.19	10	0.50	1815
51+00N 51+25E	214	238	3.20	1.0	< 5	210	1.0	< 2	1.54	< 0.5	12	29	17	3.60	< 10	< 1	0.09	10	0.54	2950
51+00N 51+50E	214	238	2.56	1.2	25	130	1.0	< 2	0.57	< 0.5	9	25	17	3.40	< 10	1	0.05	20	0.44	540
51+00N 51+75E	214	238	1.50	1.0	< 5	100	0.5	< 2	0.12	0.5	9	25	10	2.96	10	2	0.08	10	0.35	330
51+00N 52+00E	214	238	1.66	0.8	60	70	0.5	< 2	0.34	< 0.5	8	23	13	3.62	< 10	< 1	0.09	10	0.31	370
51+00N 52+25E	214	238	2.17	1.0	20	110	0.5	< 2	0.54	< 0.5	10	28	15	3.33	10	< 1	0.11	20	0.48	395
51+00N 52+50E	214	238	1.35	0.8	5	90	0.5	< 2	0.40	< 0.5	6	21	9	2.33	10	1	0.06	10	0.35	385
51+00N 52+75E	214	238	3.02	1.0	10	180	1.0	< 2	0.56	< 0.5	13	31	13	4.06	10	< 1	0.13	10	0.44	335
51+00N 53+00E	214	238	2.38	1.2	20	150	1.0	< 2	0.88	< 0.5	9	29	18	2.94	10	< 1	0.09	20	0.45	385
51+00N 53+25E	214	238	1.81	0.8	15	130	0.5	< 2	0.70	< 0.5	8	24	12	2.70	10	< 1	0.07	10	0.36	825
51+00N 53+50E	214	238	1.57	0.8	< 5	100	0.5	< 2	0.51	< 0.5	6	20	8	2.42	10	< 1	0.07	10	0.38	380
51+00N 53+75E	214	238	1.74	1.0	10	100	0.5	< 2	0.31	< 0.5	7	20	6	2.94	10	< 1	0.10	10	0.29	285
51+00N 54+00E	214	238	1.47	1.0	5	100	0.5	< 2	0.44	< 0.5	5	20	6	2.10	10	< 1	0.04	10	0.27	410
51+00N 54+25E	214	238	1.79	0.8	10	100	0.5	< 2	0.53	< 0.5	7	26	11	2.73	< 10	< 1	0.08	10	0.42	320
51+00N 54+50E	214	238	3.01	0.8	10	170	1.0	< 2	0.76	< 0.5	12	36	41	3.68	< 10	< 1	0.09	30	0.52	1425
52+00N 50+00E	214	238	3.11	1.0	70	180	1.5	< 2	0.76	< 0.5	20	26	28	5.13	< 10	< 1	0.13	30	0.62	2300

CERTIFICATION : _____

Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER, BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: COASTECH RESEARCH INC.

80 NIOBE ST.
NORTH VANCOUVER, B.C.
V7J 2C9

Project :
Comments: ATTN: JACK STANLEY

Date : 14-AUG-89
Invoice # : I-8922775
P.O. # :

CERTIFICATE OF ANALYSIS A8922775

SAMPLE DESCRIPTION	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
50+00N 50+00E	214	238	0.01	15	420	14	< 5	5	30	0.12	< 10	< 10	74	< 10	62
50+00N 50+25E	214	238	not/as	not/as	not/as	not/as	not/as	not/as	not/as	not/as	not/as	not/as	not/as	not/as	not/as
50+00N 50+50E	214	238	0.01	14	1800	10	< 5	3	64	0.06	< 10	< 10	68	< 10	148
50+00N 50+75E	214	238	0.01	15	1720	10	< 5	2	117	0.05	< 10	< 10	38	< 10	442
50+00N 51+00E	214	238	0.01	19	1160	8	< 5	4	73	0.14	< 10	< 10	72	< 10	148
50+00N 51+25E	214	238	0.01	20	860	< 2	< 5	2	63	0.09	< 10	< 10	47	< 10	108
50+00N 51+50E	214	238	0.01	17	500	6	< 5	3	32	0.16	< 10	< 10	71	< 10	102
50+00N 51+75E	214	238	0.01	17	1100	8	< 5	3	139	0.07	< 10	< 10	32	< 10	226
50+00N 52+00E	214	238	0.01	17	930	6	< 5	4	30	0.15	< 10	< 10	68	< 10	122
50+00N 52+25E	214	238	0.01	16	940	18	< 5	3	64	0.06	< 10	< 10	69	< 10	116
50+00N 52+50E	214	238	0.01	17	930	16	< 5	3	67	0.05	< 10	< 10	72	10	120
50+00N 52+75E	214	238	0.01	29	830	10	< 5	7	32	0.16	< 10	< 10	79	10	118
50+00N 53+00E	214	238	0.01	18	480	10	< 5	4	32	0.20	< 10	< 10	73	< 10	84
50+00N 53+25E	214	238	0.01	8	290	2	< 5	3	22	0.09	< 10	< 10	33	< 10	36
50+00N 53+50E	214	238	0.01	17	700	4	< 5	5	52	0.15	< 10	< 10	51	10	76
50+00N 53+75E	214	238	0.01	12	640	8	< 5	3	27	0.15	< 10	< 10	54	10	62
50+00N 54+00E	214	238	0.01	10	450	12	< 5	3	25	0.18	< 10	< 10	50	10	70
50+00N 54+25E	214	238	0.01	14	360	6	< 5	3	29	0.22	< 10	< 10	53	20	58
50+00N 54+50E	214	238	0.01	15	1300	6	< 5	3	23	0.16	< 10	< 10	61	20	94
50+00N 54+75E	214	238	0.01	17	800	12	< 5	3	29	0.18	< 10	< 10	58	10	84
50+00N 55+00E	214	238	0.01	9	760	14	< 5	2	28	0.13	< 10	< 10	53	< 10	80
51+00N 50+00E	214	238	0.01	13	730	2	< 5	4	32	0.14	< 10	< 10	79	< 10	82
51+00N 50+50E	214	238	0.01	27	570	12	< 5	5	26	0.06	< 10	< 10	80	10	66
51+00N 50+75E	214	238	0.01	29	1300	20	< 5	5	30	0.08	< 10	< 10	75	10	132
51+00N 51+00E	214	238	0.01	12	730	10	< 5	4	32	0.12	< 10	< 10	70	10	90
51+00N 51+25E	214	238	0.01	21	650	16	< 5	5	27	0.10	< 10	< 10	70	10	104
51+00N 51+50E	214	238	0.01	17	290	8	< 5	6	36	0.12	< 10	< 10	67	< 10	70
51+00N 51+75E	214	238	0.01	12	410	8	< 5	3	28	0.17	< 10	< 10	66	< 10	74
51+00N 52+00E	214	238	0.01	11	800	6	< 5	3	27	0.08	< 10	< 10	57	< 10	56
51+00N 52+25E	214	238	0.02	16	740	10	< 5	5	44	0.15	< 10	< 10	67	< 10	64
51+00N 52+50E	214	238	0.01	12	480	8	< 5	4	34	0.16	< 10	< 10	52	< 10	58
51+00N 52+75E	214	238	0.01	28	1510	14	< 5	4	39	0.16	< 10	< 10	82	< 10	106
51+00N 53+00E	214	238	0.01	19	460	18	< 5	5	59	0.16	< 10	< 10	53	< 10	122
51+00N 53+25E	214	238	0.02	11	340	12	5	4	47	0.14	< 10	< 10	56	< 10	66
51+00N 53+50E	214	238	0.02	12	310	6	< 5	4	40	0.15	< 10	< 10	50	< 10	58
51+00N 53+75E	214	238	0.01	14	840	10	< 5	3	27	0.14	< 10	< 10	64	< 10	84
51+00N 54+00E	214	238	0.01	6	160	8	< 5	3	34	0.13	< 10	< 10	45	< 10	40
51+00N 54+25E	214	238	0.02	12	320	4	< 5	5	40	0.15	< 10	< 10	51	< 10	64
51+00N 54+50E	214	238	0.02	26	730	12	5	10	64	0.12	< 10	< 10	68	< 10	82
52+00N 50+00E	214	238	0.01	18	1460	12	< 5	5	57	0.07	< 10	< 10	88	10	142

CERTIFICATION : _____

Chemex Labs Ltd.
Analytical Chemists • Geochemists • Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER, BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To: COASTECH RESEARCH INC.
80 NIOBE ST.
NORTH VANCOUVER, B.C.
V7J 2C9
Project :
Comments: ATTN: JACK STANLEY

Page No. : A
Tot. Pages: 5
Date : 14-AUG-89
Invoice # : I-8922775
P.O. # :

CERTIFICATE OF ANALYSIS A8922775

SAMPLE DESCRIPTION	PREP CODE		Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
52+00N 50+25E	214	238	1.48	< 0.2	< 5	100	0.5	< 2	0.30	< 0.5	6	18	6	2.41	< 10	< 1	0.08	10	0.32	565	< 1
52+00N 50+50E	214	238	1.79	< 0.2	5	140	0.5	< 2	0.43	< 0.5	8	22	11	2.73	< 10	< 1	0.12	20	0.33	1210	< 1
52+00N 50+75E	214	238	1.66	< 0.2	15	120	0.5	< 2	0.28	< 0.5	9	22	8	2.97	< 10	< 1	0.08	10	0.38	615	< 1
52+00N 51+00E	214	238	1.93	0.4	30	90	1.0	< 2	0.24	< 0.5	12	22	17	3.62	< 10	< 1	0.09	10	0.32	375	< 1
52+00N 51+25E	214	238	2.28	0.2	25	120	1.0	< 2	0.31	0.5	13	27	11	4.12	< 10	1	0.11	10	0.48	875	< 1
52+00N 51+50E	214	238	1.65	< 0.2	< 5	90	0.5	< 2	0.23	< 0.5	6	25	6	2.51	< 10	< 1	0.05	10	0.32	270	< 1
52+00N 51+75E	214	238	2.14	< 0.2	10	100	0.5	< 2	0.63	< 0.5	8	29	11	3.33	< 10	< 1	0.07	10	0.48	465	< 1
52+00N 52+00E	214	238	1.75	< 0.2	15	100	0.5	< 2	1.01	< 0.5	6	28	18	2.77	< 10	< 1	0.03	10	0.34	240	< 1
52+00N 52+50E A	214	238	1.92	< 0.2	< 5	110	0.5	< 2	0.26	0.5	9	29	11	3.22	< 10	< 1	0.04	10	0.36	335	< 1
52+00N 52+50E B	214	238	2.15	< 0.2	< 5	140	0.5	< 2	0.26	< 0.5	11	28	11	3.63	< 10	< 1	0.04	10	0.38	335	< 1
52+00N 53+00E	214	238	2.66	0.2	< 5	160	1.0	< 2	0.71	< 0.5	9	34	21	3.43	< 10	1	0.07	20	0.56	715	< 1
52+00N 53+25E	214	238	1.89	< 0.2	< 5	110	0.5	< 2	0.67	< 0.5	8	28	13	2.66	< 10	< 1	0.05	10	0.38	390	< 1
52+00N 53+50E	214	238	1.36	< 0.2	< 5	90	0.5	< 2	0.37	< 0.5	7	28	9	2.92	< 10	< 1	0.09	10	0.37	430	< 1
52+00N 53+75E	214	238	1.45	< 0.2	15	100	0.5	< 2	0.34	< 0.5	6	20	6	2.29	< 10	< 1	0.08	10	0.31	415	< 1
52+00N 54+00E	214	238	1.53	< 0.2	< 5	120	0.5	< 2	0.45	< 0.5	5	22	7	2.12	< 10	< 1	0.11	10	0.31	330	< 1
53+00N 49+75E	214	238	1.04	< 0.2	< 5	130	< 0.5	< 2	0.51	< 0.5	6	21	6	3.08	< 10	1	0.14	10	0.31	610	< 1
53+00N 50+00E	214	238	1.55	0.4	< 5	150	0.5	< 2	0.21	< 0.5	7	26	7	2.62	< 10	< 1	0.06	10	0.28	415	< 1
53+00N 50+25E	214	238	1.96	0.2	< 5	110	0.5	2	0.31	< 0.5	8	29	11	2.96	< 10	< 1	0.08	10	0.37	510	< 1
53+00N 50+50E	214	238	2.10	< 0.2	5	120	0.5	2	0.30	< 0.5	8	30	7	2.96	< 10	< 1	0.07	10	0.30	490	< 1
53+00N 50+75E	214	238	2.33	< 0.2	< 5	120	0.5	< 2	0.34	0.5	9	36	10	3.19	< 10	< 1	0.05	10	0.38	360	< 1
53+00N 52+00E	214	238	2.03	< 0.2	< 5	90	0.5	2	0.23	< 0.5	6	30	4	2.96	< 10	< 1	0.05	10	0.24	390	< 1
53+00N 52+25E	214	238	1.43	< 0.2	< 5	90	< 0.5	< 2	0.19	< 0.5	6	25	4	2.48	< 10	< 1	0.04	10	0.22	785	< 1
53+00N 52+50E	214	238	1.71	< 0.2	< 5	100	0.5	< 2	0.20	< 0.5	6	30	7	3.19	< 10	< 1	0.04	10	0.30	450	< 1
53+00N 52+75E	214	238	1.18	< 0.2	10	90	0.5	< 2	0.40	< 0.5	6	20	8	2.30	< 10	< 1	0.05	10	0.33	675	< 1
53+00N 53+25E	214	238	1.53	< 0.2	< 5	110	0.5	< 2	0.20	< 0.5	6	25	6	2.74	< 10	< 1	0.05	10	0.28	830	< 1
53+00N 53+50E	214	238	2.03	< 0.2	< 5	140	0.5	< 2	0.27	< 0.5	5	27	8	2.69	< 10	< 1	0.08	10	0.30	495	< 1
53+00N 53+75E	214	238	1.45	< 0.2	< 5	190	0.5	< 2	0.26	< 0.5	7	30	3	2.57	< 10	< 1	0.09	10	0.23	1250	< 1
53+00N 54+00E	214	238	1.41	< 0.2	5	110	0.5	2	0.24	< 0.5	5	23	4	2.54	< 10	< 1	0.11	10	0.23	445	< 1
53+00N 54+25E	214	238	2.00	< 0.2	< 5	130	0.5	2	0.37	< 0.5	6	28	11	2.76	< 10	< 1	0.11	20	0.34	675	< 1
53+00N 54+50E	214	238	1.66	< 0.2	< 5	100	0.5	< 2	0.26	< 0.5	5	30	9	2.85	< 10	< 1	0.06	10	0.31	310	< 1
53+00N 54+75E	214	238	1.54	< 0.2	< 5	110	0.5	< 2	0.30	< 0.5	6	25	8	2.39	< 10	1	0.08	10	0.32	630	< 1
53+00N 55+00E	214	238	1.30	< 0.2	< 5	100	< 0.5	< 2	0.29	< 0.5	4	25	5	1.98	< 10	1	0.08	10	0.26	370	< 1
54+00N 50+00E	214	238	1.38	< 0.2	< 5	130	0.5	< 2	0.31	< 0.5	7	30	4	2.66	< 10	< 1	0.09	10	0.26	470	< 1
54+00N 50+25E	214	238	1.42	0.2	5	130	0.5	< 2	0.30	< 0.5	8	28	8	3.04	< 10	1	0.08	10	0.32	570	< 1
54+00N 50+50E	214	238	2.13	0.2	< 5	120	0.5	< 2	0.52	< 0.5	7	29	17	2.47	< 10	1	0.06	20	0.28	470	< 1
54+00N 50+75E	214	238	1.55	< 0.2	< 5	250	0.5	< 2	0.44	< 0.5	10	28	8	2.86	< 10	1	0.06	10	0.26	1095	< 1
54+00N 51+00E	214	238	1.67	0.2	15	140	0.5	< 2	0.61	< 0.5	12	31	22	3.69	< 10	1	0.10	20	0.66	900	< 1
54+00N 51+25E	214	238	1.87	0.2	< 5	110	0.5	< 2	0.27	< 0.5	8	31	7	3.04	< 10	1	0.08	10	0.32	560	< 1
54+00N 51+50E	214	238	1.84	< 0.2	< 5	110	0.5	< 2	0.24	< 0.5	7	28	4	2.82	< 10	2	0.06	10	0.26	595	< 1
54+00N 51+75E	214	238	1.90	0.2	20	110	0.5	< 2	0.24	< 0.5	8	30	7	3.34	< 10	1	0.05	10	0.33	545	< 1

CERTIFICATION : _____

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C9
PHONE (604) 984-0221

To: COASTECH RESEARCH INC.
80 NIOBE ST.
NORTH VANCOUVER, B.C.
V7J 2C9
Project :
Comments: ATTN: JACK STANLEY

Date : 14-AUG-89
Invoice # : I-8922775
P.O. # :

CERTIFICATE OF ANALYSIS A8922775

SAMPLE DESCRIPTION	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
52+00N 50+25E	214	238	0.01	11	350	8	< 5	3	26	0.13	< 10	< 10	54	< 10	68
52+00N 50+50E	214	238	0.01	13	610	6	< 5	3	37	0.12	< 10	< 10	51	< 10	96
52+00N 50+75E	214	238	0.01	16	1200	8	< 5	3	26	0.11	< 10	< 10	59	< 10	112
52+00N 51+00E	214	238	0.01	16	610	4	< 5	3	22	0.10	< 10	< 10	63	< 10	102
52+00N 51+25E	214	238	0.01	15	1080	14	< 5	3	27	0.13	< 10	< 10	76	< 10	100
52+00N 51+50E	214	238	0.01	9	500	2	< 5	3	19	0.13	< 10	< 10	55	< 10	66
52+00N 51+75E	214	238	0.02	13	300	12	< 5	5	39	0.15	< 10	< 10	59	10	78
52+00N 52+00E	214	238	0.01	14	370	10	< 5	3	67	0.12	< 10	< 10	59	< 10	58
52+00N 52+50E A	214	238	0.01	17	890	12	< 5	3	22	0.17	< 10	< 10	68	< 10	70
52+00N 52+50E B	214	238	0.01	23	1050	6	< 5	3	24	0.15	< 10	< 10	72	< 10	60
52+00N 53+00E	214	238	0.02	24	490	4	< 5	7	48	0.14	< 10	< 10	56	< 10	76
52+00N 53+25E	214	238	0.01	17	510	16	< 5	4	48	0.15	< 10	< 10	56	< 10	66
52+00N 54+50E	214	238	0.01	11	690	8	< 5	4	28	0.16	< 10	< 10	65	< 10	62
52+00N 54+75E	214	238	0.01	13	340	8	< 5	3	29	0.15	< 10	< 10	51	< 10	60
52+00N 55+00E	214	238	0.01	12	360	2	< 5	4	38	0.14	< 10	< 10	44	< 10	72
53+00N 50+75E	214	238	0.01	8	430	12	< 5	2	43	0.17	< 10	< 10	49	< 10	84
53+00N 51+00E	214	238	0.01	11	720	4	< 5	3	19	0.14	< 10	< 10	54	< 10	86
53+00N 51+25E	214	238	0.01	13	820	6	< 5	4	30	0.17	< 10	< 10	62	< 10	120
53+00N 51+50E	214	238	0.01	15	1180	4	< 5	3	30	0.18	< 10	< 10	60	< 10	98
53+00N 51+75E	214	238	0.01	15	880	14	< 5	4	32	0.22	< 10	< 10	69	< 10	80
53+00N 52+00E	214	238	0.01	14	1190	< 2	< 5	3	20	0.18	< 10	< 10	57	< 10	106
53+00N 52+25E	214	238	0.01	11	770	< 2	< 5	2	17	0.15	< 10	< 10	50	< 10	80
53+00N 52+50E	214	238	0.01	15	1050	< 2	< 5	3	16	0.15	< 10	< 10	64	< 10	90
53+00N 53+00E	214	238	0.01	9	600	10	< 5	4	33	0.09	< 10	< 10	40	< 10	52
53+00N 53+25E	214	238	0.01	11	880	4	< 5	3	16	0.10	< 10	< 10	57	< 10	68
53+00N 53+50E	214	238	0.01	14	1040	< 2	< 5	4	24	0.11	< 10	< 10	51	< 10	106
53+00N 53+75E	214	238	0.01	13	850	8	< 5	2	26	0.15	< 10	< 10	52	< 10	110
53+00N 54+00E	214	238	0.01	10	930	< 2	< 5	3	22	0.10	< 10	< 10	51	< 10	76
53+00N 54+25E	214	238	0.01	13	570	< 2	< 5	5	36	0.12	< 10	< 10	52	< 10	72
53+00N 54+50E	214	238	0.01	15	900	4	< 5	4	24	0.13	< 10	< 10	58	< 10	64
53+00N 54+75E	214	238	0.01	14	330	2	< 5	4	29	0.14	< 10	< 10	48	< 10	72
53+00N 55+00E	214	238	0.01	9	480	6	< 5	3	26	0.13	< 10	< 10	39	< 10	74
54+00N 50+00E	214	238	0.01	13	1270	2	< 5	2	30	0.17	< 10	< 10	56	< 10	128
54+00N 50+25E	214	238	0.01	14	1450	10	< 5	3	31	0.17	< 10	< 10	65	< 10	110
54+00N 50+50E	214	238	0.01	15	580	4	< 5	5	48	0.15	< 10	< 10	46	< 10	102
54+00N 50+75E	214	238	0.01	13	1420	< 2	< 5	3	42	0.17	< 10	< 10	59	< 10	110
54+00N 51+00E	214	238	0.04	25	850	10	< 5	5	85	0.17	< 10	< 10	69	< 10	78
54+00N 51+25E	214	238	0.01	14	1140	6	< 5	3	22	0.18	< 10	< 10	65	< 10	86
54+00N 51+50E	214	238	0.01	15	980	4	< 5	3	23	0.17	< 10	< 10	61	< 10	120
54+00N 51+75E	214	238	0.01	17	1080	4	< 5	3	20	0.19	< 10	< 10	71	< 10	108

CERTIFICATION : _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

111 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA. CANADA V7J-2C1

PHONE (604) 984-0221

To: COASTECH RESEARCH INC.

80 NIOBE ST.
NORTH VANCOUVER, B.C.
V7J 2C9

Project :
Comments: ATTN: JACK STANLEY

Page No. : 4-A
Tot. Pages: 5
Date : 14-AUG-89
Invoice # : I-8922775
P.O. # :

CERTIFICATE OF ANALYSIS A8922775

SAMPLE DESCRIPTION	PREP CODE		Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
100N 52+00E	214	238	1.71	< 0.2	10	120	< 0.5	< 2	0.23	< 0.5	5	29	4	2.73	< 10	< 1	0.04	10	0.25	695	< 1
100N 52+25E	214	238	1.43	< 0.2	< 5	120	< 0.5	< 2	0.38	< 0.5	4	18	9	2.44	10	< 1	0.05	20	0.30	565	< 1
100N 52+50E	214	238	2.72	0.4	< 5	200	< 0.5	< 2	0.60	< 0.5	6	22	24	2.84	< 10	< 1	0.12	30	0.44	730	< 1
100N 52+75E	214	238	2.73	< 0.2	5	160	< 0.5	< 2	0.36	< 0.5	5	24	11	2.86	10	< 1	0.12	20	0.42	620	< 1
100N 53+00E	214	238	1.48	< 0.2	< 5	140	< 0.5	< 2	0.26	< 0.5	4	21	2	2.33	< 10	< 1	0.09	10	0.25	370	< 1
100N 53+25E	214	238	1.39	< 0.2	< 5	120	< 0.5	< 2	0.27	< 0.5	4	21	2	2.40	< 10	< 1	0.11	10	0.27	310	< 1
100N 53+50E	214	238	1.46	< 0.2	< 5	100	< 0.5	< 2	0.23	< 0.5	4	21	2	2.10	< 10	< 1	0.07	10	0.25	460	< 1
100N 53+75E	214	238	1.16	< 0.2	5	80	< 0.5	< 2	0.24	< 0.5	4	20	6	2.49	< 10	< 1	0.06	10	0.29	325	< 1
100N 54+00E	214	238	1.42	< 0.2	< 5	110	< 0.5	< 2	0.22	< 0.5	3	16	2	1.79	< 10	< 1	0.06	10	0.20	380	< 1
100N 54+25E	214	238	1.27	< 0.2	< 5	110	< 0.5	< 2	0.23	< 0.5	3	19	4	2.31	< 10	< 1	0.08	10	0.22	385	< 1
100N 54+50E	214	238	1.50	0.2	< 5	170	< 0.5	< 2	0.38	< 0.5	5	19	8	2.41	10	< 1	0.17	10	0.27	625	< 1
100N 54+75E	214	238	1.22	< 0.2	5	130	< 0.5	< 2	0.34	< 0.5	4	17	4	2.19	10	< 1	0.12	10	0.20	530	< 1
100N 55+00E	214	238	1.33	< 0.2	< 5	140	< 0.5	< 2	0.21	< 0.5	5	19	4	2.35	< 10	< 1	0.09	10	0.21	825	< 1
100N 50+00E	214	238	2.20	0.2	< 5	430	< 0.5	< 2	0.51	0.5	7	21	37	2.21	10	< 1	0.05	10	0.27	1330	< 1
100N 50+25E	214	238	1.67	0.4	< 5	120	< 0.5	< 2	0.35	< 0.5	6	30	11	2.97	10	< 1	0.06	10	0.45	415	< 1
100N 50+50E	214	238	1.56	0.2	< 5	120	< 0.5	< 2	0.28	< 0.5	5	32	13	2.94	10	< 1	0.06	20	0.38	345	< 1
100N 50+75E	214	238	1.71	0.6	< 5	140	< 0.5	< 2	0.41	< 0.5	7	35	16	3.50	10	< 1	0.07	20	0.48	355	< 1
100N 51+00E	214	238	1.92	0.2	< 5	130	< 0.5	< 2	0.29	< 0.5	7	26	10	2.99	< 10	< 1	0.08	10	0.39	505	< 1
100N 51+25E	214	238	1.82	< 0.2	< 5	120	< 0.5	< 2	0.26	< 0.5	5	25	5	2.62	10	< 1	0.06	10	0.29	510	< 1
100N 51+50E	214	238	2.23	0.4	< 5	130	< 0.5	< 2	0.25	< 0.5	6	32	9	3.03	10	< 1	0.06	10	0.35	510	< 1
100N 51+75E	214	238	1.74	0.2	< 5	90	< 0.5	< 2	0.21	< 0.5	5	24	7	2.68	10	< 1	0.05	10	0.30	325	< 1
100N 52+00E	214	238	1.72	0.2	5	190	< 0.5	< 2	0.80	< 0.5	6	27	21	3.21	10	< 1	0.06	20	0.34	1350	2
100N 52+25E	214	238	1.14	0.2	< 5	150	< 0.5	< 2	0.36	< 0.5	5	20	9	2.49	10	< 1	0.10	10	0.19	365	< 1
100N 52+50E	214	238	1.14	0.2	< 5	90	< 0.5	< 2	0.21	< 0.5	3	19	5	1.81	10	< 1	0.05	10	0.24	270	< 1
100N 52+75E	214	238	1.22	< 0.2	< 5	100	< 0.5	< 2	0.24	< 0.5	3	18	5	1.92	10	< 1	0.05	10	0.23	265	< 1
100N 53+00E	214	238	1.46	< 0.2	< 5	100	< 0.5	< 2	0.24	< 0.5	4	15	6	2.14	10	< 1	0.07	10	0.29	375	< 1
100N 53+25E	214	238	1.14	0.2	< 5	80	< 0.5	< 2	0.24	< 0.5	3	17	5	2.03	10	< 1	0.06	10	0.27	275	< 1
100N 53+50E	214	238	1.20	0.4	< 5	80	< 0.5	< 2	0.24	< 0.5	3	16	7	1.79	10	< 1	0.08	20	0.24	465	< 1
100N 53+75E	214	238	1.32	0.4	< 5	100	< 0.5	< 2	0.33	< 0.5	5	21	9	2.54	10	< 1	0.11	10	0.36	495	< 1
100N 54+00E	214	238	1.09	0.2	< 5	90	< 0.5	< 2	0.25	< 0.5	3	20	5	2.15	10	< 1	0.13	10	0.25	415	< 1
100N 54+25E	214	238	1.26	0.4	< 5	110	< 0.5	< 2	0.22	< 0.5	4	18	3	2.17	10	< 1	0.06	10	0.21	515	< 1
100N 54+50E	214	238	1.23	0.2	< 5	80	< 0.5	< 2	0.20	< 0.5	5	20	6	2.24	10	< 1	0.04	10	0.27	420	< 1
100N 54+75E	214	238	1.56	0.4	< 5	80	< 0.5	< 2	0.21	< 0.5	4	18	5	2.33	10	< 1	0.06	10	0.26	275	< 1
100N 55+00E	214	238	4.24	0.4	< 5	260	< 0.5	< 2	0.62	< 0.5	8	36	20	3.24	20	< 1	0.14	20	0.52	1360	< 1
100N 50+25E	214	238	1.17	0.2	< 5	100	< 0.5	< 2	0.35	< 0.5	4	28	8	2.37	10	< 1	0.05	20	0.35	330	< 1
100N 50+50E	214	238	1.41	0.2	< 5	110	< 0.5	< 2	0.30	< 0.5	6	27	10	2.73	10	< 1	0.07	10	0.38	485	< 1
100N 50+75E	214	238	1.62	0.2	< 5	120	< 0.5	< 2	0.35	< 0.5	5	33	7	2.55	10	< 1	0.06	10	0.30	525	< 1
100N 51+00E	214	238	1.69	< 0.2	< 5	100	< 0.5	< 2	0.16	< 0.5	4	22	5	2.73	< 10	< 1	0.06	10	0.25	400	< 1
100N 51+25E	214	238	1.07	0.2	10	70	< 0.5	< 2	0.26	< 0.5	3	20	5	1.64	10	< 1	0.04	10	0.19	300	< 1
100N 51+50E	214	238	not/es	not/es	not/es	not/es	< 0.5	not/es	not/es	not/es	not/es	not/es	not/es	not/es	not/es	not/es	not/es	not/es	not/es	not/es	not/es

CERTIFICATION : _____

AUG-15-89 TUE 5:22 604 980 2737 P.08

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: COASTECH RESEARCH INC.

80 NIOBE ST.
NORTH VANCOUVER, B.C.
V7J 2C9

Project :

Comments: ATTN: JACK STANLEY

Page : 4-B
Tot. Pages: 5
Date : 14-AUG-8
Invoice # : I-89227
P.O. #

CERTIFICATE OF ANALYSIS A8922775

SAMPLE DESCRIPTION	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
54+00N 52+00E	214	238	< 0.01	10	1090	< 2	< 5	3	25	0.17	< 10	< 10	56	< 10	118
54+00N 52+25E	214	238	0.01	11	700	2	< 5	5	39	0.08	< 10	< 10	37	< 10	58
54+00N 52+50E	214	238	0.02	18	720	4	< 5	6	74	0.06	< 10	< 10	42	< 10	92
54+00N 52+75E	214	238	0.01	15	500	2	< 5	7	45	0.10	< 10	< 10	50	< 10	74
54+00N 53+00E	214	238	< 0.01	7	730	2	< 5	3	26	0.13	< 10	< 10	55	< 10	76
54+00N 53+25E	214	238	0.01	10	460	6	< 5	3	31	0.15	< 10	< 10	53	< 10	62
54+00N 53+50E	214	238	0.01	10	580	< 2	< 5	3	24	0.14	< 10	< 10	46	< 10	78
54+00N 53+75E	214	238	0.01	8	370	4	< 5	4	25	0.14	< 10	< 10	56	< 10	48
54+00N 54+00E	214	238	0.01	8	580	2	< 5	3	25	0.11	< 10	< 10	37	< 10	76
54+00N 54+25E	214	238	< 0.01	7	480	2	< 5	3	24	0.12	< 10	< 10	52	< 10	56
54+00N 54+50E	214	238	< 0.01	8	720	2	< 5	4	42	0.10	< 10	< 10	49	< 10	60
54+00N 54+75E	214	238	< 0.01	5	1550	2	< 5	2	35	0.09	< 10	< 10	45	< 10	90
54+00N 55+00E	214	238	< 0.01	8	1920	6	< 5	3	26	0.09	< 10	< 10	46	< 10	88
55+00N 50+00E	214	238	0.01	14	1190	4	< 5	4	63	0.09	< 10	< 10	35	< 10	[illegible]
55+00N 50+25E	214	238	0.01	15	630	2	< 5	4	42	0.19	< 10	< 10	63	< 10	70
55+00N 50+50E	214	238	0.01	14	390	2	< 5	5	45	0.18	< 10	< 10	66	< 10	54
55+00N 50+75E	214	238	0.02	18	690	6	< 5	5	67	0.20	< 10	< 10	76	< 10	68
55+00N 51+00E	214	238	0.01	17	790	4	< 5	3	34	0.18	< 10	< 10	61	< 10	84
55+00N 51+25E	214	238	0.01	14	880	6	< 5	2	26	0.18	< 10	< 10	51	< 10	92
55+00N 51+50E	214	238	0.01	17	1100	< 2	< 5	4	26	0.18	< 10	< 10	62	< 10	94
55+00N 51+75E	214	238	0.01	12	500	4	< 5	3	23	0.18	< 10	< 10	57	< 10	74
55+00N 52+00E	214	238	0.02	14	910	2	< 5	6	74	0.07	< 10	< 10	47	< 10	98
55+00N 52+25E	214	238	< 0.01	9	680	4	< 5	3	40	0.12	< 10	< 10	53	< 10	72
55+00N 52+50E	214	238	< 0.01	8	410	6	< 5	3	21	0.11	< 10	< 10	40	< 10	68
55+00N 52+75E	214	238	< 0.01	8	600	6	< 5	3	25	0.11	< 10	< 10	41	< 10	62
55+00N 53+00E	214	238	0.01	9	350	2	< 5	3	26	0.11	< 10	< 10	44	< 10	52
55+00N 53+25E	214	238	0.01	8	320	8	< 5	3	25	0.13	< 10	< 10	45	< 10	56
55+00N 53+50E	214	238	0.01	8	330	2	< 5	3	25	0.09	< 10	< 10	39	< 10	54
55+00N 53+75E	214	238	0.01	10	370	2	< 5	4	36	0.12	< 10	< 10	55	< 10	52
55+00N 54+00E	214	238	< 0.01	7	340	2	< 5	3	29	0.13	< 10	< 10	49	< 10	48
55+00N 54+25E	214	238	< 0.01	9	720	< 2	< 5	3	24	0.11	< 10	< 10	48	< 10	66
55+00N 54+50E	214	238	< 0.01	8	390	4	< 5	3	24	0.13	< 10	< 10	49	< 10	60
55+00N 54+75E	214	238	< 0.01	10	750	6	< 5	3	22	0.12	< 10	< 10	51	< 10	58
55+00N 55+00E	214	238	< 0.01	24	740	< 2	< 5	8	78	0.10	< 10	< 10	52	< 10	88
56+00N 50+25E	214	238	0.02	10	470	6	< 5	5	40	0.16	< 10	< 10	52	< 10	40
56+00N 50+50E	214	238	0.01	15	530	6	< 5	4	42	0.16	< 10	< 10	58	< 10	54
56+00N 50+75E	214	238	0.01	13	440	8	< 5	3	39	0.17	< 10	< 10	55	< 10	88
56+00N 51+00E	214	238	< 0.01	10	1490	8	< 5	3	18	0.14	< 10	< 10	52	< 10	84
56+00N 51+25E	214	238	< 0.01	7	240	< 2	< 5	2	28	0.14	< 10	< 10	39	< 10	66
56+00N 51+50E	214	238	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss

CERTIFICATION :

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
113 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-1C1
PHONE (604) 984-0221

To : COASTECH RESEARCH INC.

80 NIOBE ST.
NORTH VANCOUVER, B.C.
V7J 2C9

Project :
Comments: ATTN: JACK STANLEY

Page No. : 5-A
Tot. Pgs. : 5
Date : 14-AUG-89
Invoice # : I-8922775
P.O. # :

CERTIFICATE OF ANALYSIS A8922775

SAMPLE DESCRIPTION	PREP CODE		Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	
56+00N 51+25E	214	238	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	no
56+00N 52+00E	214	238	1.20	1.0	< 5	80	< 0.5	< 2	0.28	< 0.5	4	21	8	1.98	10	< 1	0.06	10	0.31	300	
56+00N 52+25E	214	238	2.16	1.0	< 5	170	< 0.5	< 2	0.63	< 0.5	6	33	15	2.83	10	< 1	0.16	20	0.41	940	
56+00N 52+50E	214	238	1.29	0.8	< 5	110	< 0.5	< 2	0.26	< 0.5	4	19	4	1.99	10	< 1	0.07	10	0.23	305	
56+00N 52+75E	214	238	2.00	1.0	< 5	140	< 0.5	< 2	0.44	< 0.5	5	25	10	2.57	10	< 1	0.15	20	0.33	1050	
56+00N 53+00E	214	238	1.41	0.8	< 5	110	< 0.5	< 2	0.30	< 0.5	4	21	7	2.26	10	< 1	0.09	20	0.27	460	
56+00N 53+25E	214	238	1.63	1.0	< 5	130	< 0.5	< 2	0.52	< 0.5	5	23	12	2.43	10	< 1	0.16	20	0.39	580	
56+00N 53+50E	214	238	1.22	1.0	< 5	90	< 0.5	< 2	0.31	< 0.5	5	24	8	3.11	10	< 1	0.11	10	0.33	500	
56+00N 53+75E	214	238	2.39	1.2	5	120	< 0.5	< 2	0.28	< 0.5	6	22	5	2.85	10	< 1	0.09	10	0.27	575	
56+00N 54+00E	214	238	1.41	0.8	< 5	170	< 0.5	< 2	0.26	< 0.5	5	27	4	2.24	10	< 1	0.09	10	0.24	1155	
56+00N 54+25E	214	238	1.48	0.8	< 5	100	< 0.5	< 2	0.20	< 0.5	5	22	4	2.12	10	< 1	0.06	10	0.28	585	
56+00N 54+50E	214	238	1.35	0.8	< 5	90	< 0.5	< 2	0.26	< 0.5	4	27	3	2.03	10	< 1	0.05	10	0.26	505	
56+00N 54+75E	214	238	1.62	1.0	< 5	110	< 0.5	< 2	0.30	< 0.5	6	33	4	2.63	10	< 1	0.11	10	0.30	510	
56+00N 55+00E	214	238	1.50	0.6	< 5	110	< 0.5	< 2	0.30	< 0.5	5	26	5	2.33	10	< 1	0.05	10	0.27	1040	
57+00N 50+00E	214	238	1.32	1.0	< 5	100	< 0.5	< 2	0.30	< 0.5	5	32	7	2.27	10	< 1	0.05	10	0.32	380	
57+00N 50+25E	214	238	2.09	1.0	10	110	< 0.5	< 2	0.23	< 0.5	7	31	10	3.22	10	< 1	0.07	10	0.42	335	
57+00N 50+50E	214	238	1.39	0.6	5	100	< 0.5	< 2	0.19	< 0.5	4	25	3	2.35	10	1	0.04	10	0.22	335	
57+00N 50+75E	214	238	1.54	0.6	< 5	100	< 0.5	< 2	0.22	< 0.5	4	22	8	2.33	10	< 1	0.06	10	0.25	450	
57+00N 51+00E	214	238	1.74	0.8	< 5	260	< 0.5	< 2	1.72	1.0	6	24	30	2.28	< 10	1	0.14	20	0.34	1610	
57+00N 51+75E	214	238	1.03	0.6	< 5	70	< 0.5	< 2	0.40	< 0.5	5	20	10	2.45	10	1	0.08	10	0.35	485	
57+00N 52+00E	214	238	1.24	0.8	< 5	100	< 0.5	< 2	0.34	< 0.5	7	24	9	2.45	10	< 1	0.10	10	0.32	485	
57+00N 52+25E	214	238	1.22	0.6	< 5	110	< 0.5	< 2	0.19	< 0.5	6	19	4	2.23	10	< 1	0.08	10	0.20	425	
57+00N 52+50E	214	238	1.45	0.6	< 5	130	< 0.5	< 2	0.39	< 0.5	6	21	8	2.45	10	1	0.13	10	0.28	645	
57+00N 52+75E	214	238	1.12	0.6	< 5	100	< 0.5	< 2	0.30	< 0.5	7	17	8	1.95	10	1	0.10	10	0.20	890	
57+00N 53+00E	214	238	1.28	0.4	< 5	150	< 0.5	< 2	0.29	< 0.5	7	23	10	2.23	10	< 1	0.09	10	0.24	1130	
57+00N 53+25E	214	238	1.09	0.4	< 5	90	< 0.5	< 2	0.22	< 0.5	5	20	4	1.83	10	< 1	0.05	10	0.19	370	
57+00N 53+50E	214	238	0.98	0.2	< 5	70	< 0.5	< 2	0.13	< 0.5	5	22	3	1.70	< 10	< 1	0.04	< 10	0.22	215	
57+00N 53+75E	214	238	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	
57+00N 54+00E	214	238	1.46	0.4	< 5	130	< 0.5	< 2	0.17	< 0.5	7	25	4	2.33	10	< 1	0.06	10	0.22	1160	
57+00N 54+25E	214	238	1.05	0.4	< 5	70	< 0.5	< 2	0.18	< 0.5	4	19	3	1.49	10	< 1	0.05	10	0.21	235	
57+00N 54+50E	214	238	1.58	0.4	< 5	110	< 0.5	< 2	0.23	< 0.5	6	21	7	2.06	10	1	0.05	10	0.31	300	
57+00N 54+75E	214	238	1.25	0.6	< 5	70	< 0.5	< 2	0.21	< 0.5	7	32	6	2.22	10	< 1	0.05	10	0.30	515	
57+00N 55+00E	214	238	1.28	0.4	5	90	< 0.5	< 2	0.22	< 0.5	6	17	4	1.77	10	< 1	0.04	10	0.24	600	

CERTIFICATION : _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To : COASTECH RESEARCH INC.

80 NIOBE ST.
NORTH VANCOUVER, B.C.
V7J 2C9

Project :
Comments: ATTN: JACK STANLEY

Date : 14-AUG-89
Invoice # : I-8922775
P.O. # :

CERTIFICATE OF ANALYSIS A8922775

SAMPLE DESCRIPTION	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
56+00N 51+75E	214	238	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss
56+00N 52+00E	214	238	0.01	8	350	< 2	< 5	4	28	0.13	< 10	< 10	44	< 10	52
56+00N 52+25E	214	238	0.01	14	510	2	5	7	59	0.12	< 10	< 10	53	< 10	80
56+00N 52+50E	214	238	0.01	8	470	< 2	< 5	3	27	0.13	< 10	< 10	44	< 10	76
56+00N 52+75E	214	238	0.01	12	460	6	< 5	5	46	0.13	< 10	< 10	51	< 10	104
56+00N 53+00E	214	238	0.01	8	350	< 2	< 5	4	32	0.14	< 10	< 10	50	< 10	58
56+00N 53+25E	214	238	0.01	13	610	2	< 5	5	51	0.11	< 10	< 10	48	< 10	80
56+00N 53+50E	214	238	0.01	13	580	< 2	< 5	4	29	0.12	< 10	< 10	70	< 10	64
56+00N 53+75E	214	238	< 0.01	10	1160	2	< 5	3	28	0.11	< 10	< 10	62	< 10	86
56+00N 54+00E	214	238	< 0.01	12	1030	2	< 5	3	31	0.11	< 10	< 10	47	< 10	88
56+00N 54+25E	214	238	0.01	9	300	< 2	< 5	3	28	0.16	< 10	< 10	48	< 10	68
56+00N 54+50E	214	238	0.01	11	170	4	< 5	3	27	0.18	< 10	< 10	47	< 10	56
56+00N 54+75E	214	238	< 0.01	14	470	< 2	< 5	3	32	0.20	< 10	< 10	62	< 10	70
56+00N 55+00E	214	238	0.01	13	360	4	< 5	3	34	0.14	< 10	< 10	58	< 10	66
57+00N 50+00E	214	238	0.01	14	410	< 2	< 5	3	34	0.16	< 10	< 10	50	< 10	50
57+00N 50+25E	214	238	< 0.01	16	1070	< 2	< 5	3	24	0.16	< 10	< 10	64	< 10	54
57+00N 50+50E	214	238	< 0.01	10	840	8	< 5	2	19	0.16	< 10	< 10	49	< 10	68
57+00N 50+75E	214	238	< 0.01	13	760	< 2	< 5	2	26	0.13	< 10	< 10	47	< 10	84
57+00N 51+00E	214	238	0.02	14	1540	8	< 5	4	226	0.04	< 10	< 10	24	< 10	120
57+00N 51+75E	214	238	0.01	8	550	< 2	< 5	4	34	0.12	< 10	< 10	55	< 10	54
57+00N 52+00E	214	238	0.01	9	640	2	< 5	4	30	0.13	< 10	< 10	53	< 10	52
57+00N 52+25E	214	238	< 0.01	9	780	< 2	< 5	3	20	0.12	< 10	< 10	47	< 10	78
57+00N 52+50E	214	238	0.01	10	830	< 2	< 5	3	35	0.13	< 10	< 10	51	< 10	78
57+00N 52+75E	214	238	< 0.01	9	240	< 2	< 5	2	25	0.11	< 10	< 10	41	< 10	52
57+00N 53+00E	214	238	< 0.01	12	880	6	5	3	33	0.08	< 10	< 10	42	< 10	86
57+00N 53+25E	214	238	< 0.01	8	610	2	< 5	2	24	0.08	< 10	< 10	37	< 10	84
57+00N 53+50E	214	238	< 0.01	10	390	6	< 5	2	13	0.10	< 10	< 10	36	< 10	54
57+00N 53+75E	214	238	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss
57+00N 54+00E	214	238	< 0.01	11	1000	< 2	< 5	2	18	0.08	< 10	< 10	47	< 10	88
57+00N 54+25E	214	238	< 0.01	8	230	2	< 5	2	19	0.10	< 10	< 10	33	< 10	72
57+00N 54+50E	214	238	0.01	10	260	4	< 5	3	28	0.11	< 10	< 10	41	< 10	50
57+00N 54+75E	214	238	< 0.01	12	540	4	< 5	3	24	0.12	< 10	< 10	47	< 10	48
57+00N 55+00E	214	238	< 0.01	8	260	4	< 5	3	23	0.14	< 10	< 10	40	< 10	56

CERTIFICATION : _____

COASTECH RESEARCH INC.

COASTECH ANALYTICAL SERVICES LABORATORY

TO: Mingold Resources
405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Date: 7 July 89
Invoice No. 07A001
Order No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au				
	Units	ppb				
1	5700N 53+00E	<5				
2	52+00N 54+75E	<5				
3	52+00N 54+75E	<5				
4	52+00N 55+00E	<5				
5	52+00N 51+00E	<5				
6	52+00N 50+25E	<5				
7	51+00N 52+50E	<5				
8	52+00N 50+00E	<5				
9	57+00N 52+75E	<5				
10	51+60N 53+75E	<5				
11	52+00N 52+00E	<5				
12	51+00N 54+00E	<5				
13	54+00N 51+75E	<5				
14	49+00N 52+50E	<5				
15	53+00N 53+25E	<5				
16	53+00N 55+00E	<5				

COASTECH ANALYTICAL SERVICES LABORATORY

TO: Mingold Resources
405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Date: 7 July 89
Invoice No. 07A001
Order No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au				
	Units	ppb				
17	50+00N 54+50E	<5				
18	49+00N 51+50E	<5				
19	50+00N 54+75E	<5				
20	55+00N 50+25E	<5				
21	55+00N 50+50E	<5				
22	54+00N 50+25E	<5				
23	49+00N 52+00E	<5				
24	49+00N 52+00E	<5				
25	55+00N 51+00E	<5				
26	55+00N 53+50E	<5				
27	54+00N 50+50E	<5				
28	55+00N 51+50E	<5				
29	55+00N 51+75E	<5				
30	55+00N 52+00E	<5				
31	55+00N 53+75E	<5				
32	55+00N 54+00E	<5				

COASTECH ANALYTICAL SERVICES LABORATORY

TO: Mingold Resources
405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Date: 7 July 89
Invoice No. 07A001
Order No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au				
	Units	ppb				
33	50+00N 50+00E	<5				
34	N24720	<5				
35	N24721	<5				
36	N24722	<5				
37	N24723	<5				
38	N24724	305				
39	N24725	60				
40	N24726	75				
41	N24727	<5				
42	N24728	<5				
43	N24729	<5				
44	N24730	60				
45	N24731	80				
46	N24732	80				
47	N24733	<5				
48	N24734	<5				

Recomm 631

COASTECH RESEARCH INC.

COASTECH ANALYTICAL SERVICES LABORATORY

TO: Mingold Resources
405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Date: 10 July 89
Invoice No. 07A002
Order No. 95508
Page No. 2 of 2

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au				
	Units	ppb				
13	51+00N 54+25E	20				
14	57+00N 51+75E	20				
15	48+00N 54+75E	20				
16	57+00N 52+25E	250				
17	51+00N 53+00E	<5				
18	51+00N 52+75E	20				
19	52+00N 54+50E	100				
20	57+00N 52+00E	300				
21	52+00N 50+75E	<5				
22	52+00N 50+75E	<5				
23						
24						

Registered Assayer, Province of B.C.

80 Niobe Street, North Vancouver, B.C., Canada V7J 2C9 Telephone (604) 980-5992 FAX (604) 980-2737

COASTECH RESEARCH INC.

COASTECH ANALYTICAL SERVICES LABORATORY

TO: Mingold Resources
405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Date: 10 July 89
Invoice No. 07A002
Order No. 95508
Page No. 1 of 2

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au				
	Units	ppb				
1	49+00N 54+50E	<5				
2	50+00N 54+25E	<5				
3	49+00N 51+25E	<5				
4	49+00N 51+75E	10				
5	49+00N 52+25E	150				
6	48+00N 53+50E	<5				
7	51+00N 51+75E	<5				
8	54+00N 53+50E	<5				
9	50+00N 50+50E	<5				
10	53+00N 52+00E	20	Same?			
11	53+00N 52+00E	20				
12	51+00N 54+50E	20				

Registered Assayer, Province of B.C.

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