

PROSPECTING , GEOCHEMISTRY, AND GEOPHYSICS REPORT
ON THE ORE GROUP CLAIMS
1992-1993

Whitehorse Mining District

NTS: 105D/8 & 105C/5

by: Rob Hamel
Richard Basnett, P. Geo.

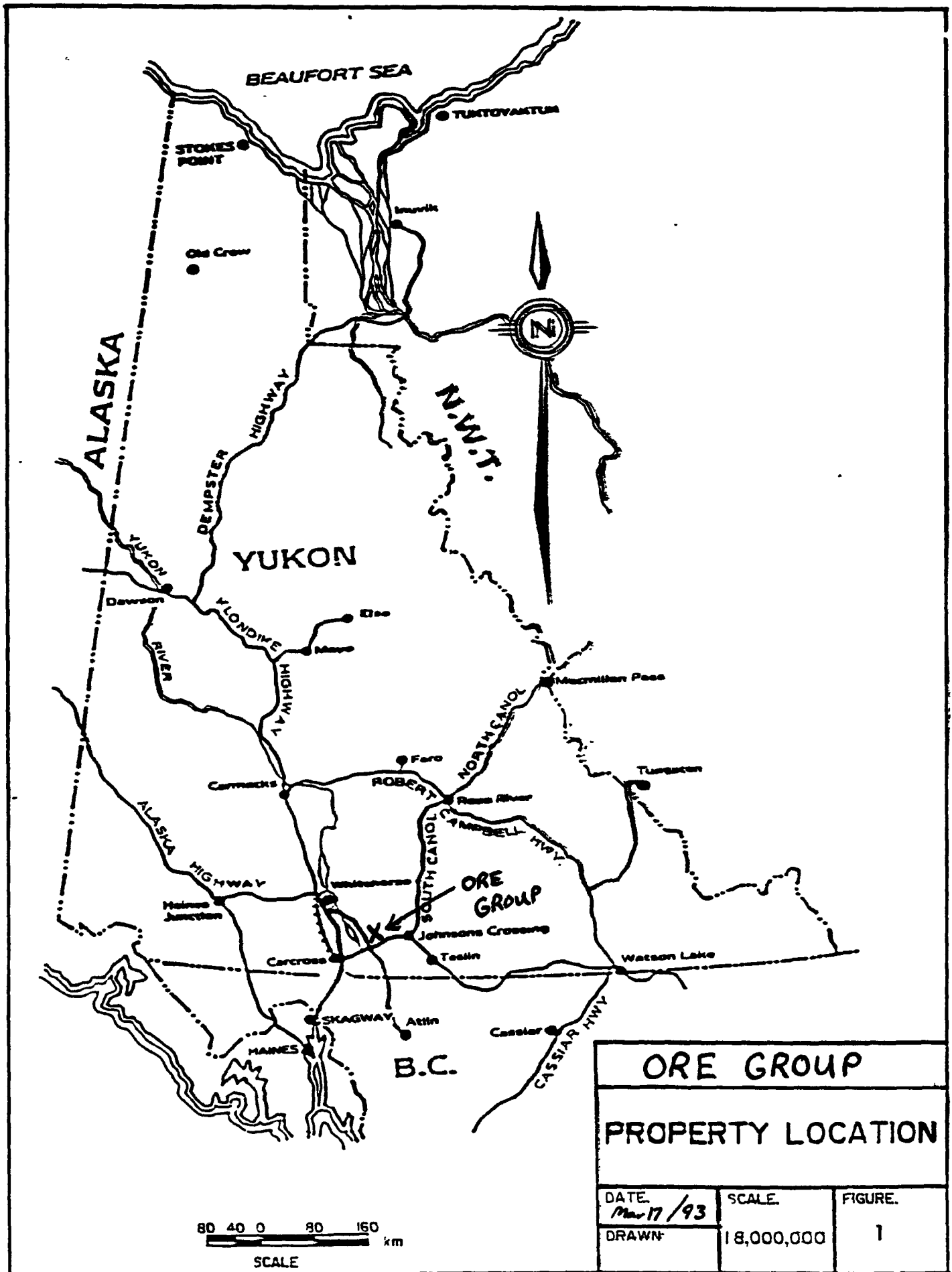
March 17, 1993

TABLE OF CONTENTS

	Page
1.0 INTRODUCTION	2
2.0 LOCATION AND ACCESS	2
3.0 CLAIM STATUS	2
4.0 GEOLOGY	2
5.0 1992 AND 1993 EXPLORATION PROGRAM	4
5.1 Prospecting	4
5.2 Geochemistry	4
5.3 Geophysics	5
6.0 CONCLUSIONS	5
7.0 RECOMMENDATIONS	5

LIST OF FIGURES

	Page
FIGURE 1: Location Map, 1:8,000,000	1
FIGURE 2: Geology and Claim Location Map	3
FIGURE 3: Aeromagnetic Map	6
FIGURE 4: VLF - Mag Profiles	7



1.0 INTRODUCTION

The purpose of this report is to describe the 1992 and 1993 exploration program and to satisfy the requirements of the Yukon Mining Incentives Program. Work as carried out between August 20th, 1992 to March 5th 1993. The claims staked during this period are wholly owned by Rob Hamel.

Exploration work consisted of prospecting, geochemistry, and geophysics.

2.0 LOCATION AND ACCESS

The ORE group claims are located approximately 80 kilometers southeast of Whitehorse (3 miles north of Jake's Corner). The property is located on first tributary flowing north into Judas Creek. The approximate center of the claim block is located at 60 35'North latitude and 134 00'West longitude on the NTS map 105C/5 and 105D/8 (Figure 1).

Access to the property is via the Alaska highway from Whitehorse to Judas Creek. On the south side of Judas creek a four kilometer long 4x4 road narrowing to an ATV trail continues onto the claims.

3.0 CLAIM STATUS

The property consists of 80 claims. ORE 1-36 were staked in December of 1992. ORE 37-80 were staked in March 1993 (Figure 2).

4.0 GEOLOGY

The majority of the property is underlain by Carboniferous to Permian andesite, basalt, chert and tuff of the Atlin Terrane. The northern-most claims are underlain by Upper Triassic Lewes River Group sediments and volcanics which include greywacke, argillite, conglomerate, andesite and basalt (Figure 2).

5.0 1992 AND 1993 EXPLORATION PROGRAM

5.1 Prospecting

Cursory prospecting was done on 10% of the claim group. Serpentinite was found in one outcrop on ORE 38 near a north trending linear (Figure 2).

Prospecting was not a great benefit to the exploration program because of lack of outcrop in the area. Geophysics was done in the winter so follow-up prospecting was not carried out after the results were obtained.

5.2 Geochemistry

A total of 26 soil samples and 5 rock chip samples were taken. Samples were analysed for gold, silver, copper, lead, zinc, cadmium, cobalt, antimony by NAL in Whitehorse.

Soil samples were taken below the volcanic ash layer at a depth of 20 cm. An orientation survey to determine the variation of values with depth was taken at three different locations. The following results were obtained from the orientation survey.

<u>Location #</u>	<u>depth (inches)</u>	<u>Au (ppb)</u>
S-013	4	20
	12	6
	16	2
S-014	9	<2
	14	<2
	17	2
S-016	4	6
	9	2

Samples taken at locations S-013 and S-016 decreased in magnitude with depth while there was little change at location S-014.

Results from soil samples 92S01 to 92S08 show values from 146 to 1186 ppb gold and up to 2.9 ppm silver. Rock sample 92R101 (on ORE 77), distal to the soil locations, analysed 819 ppm gold. These values were very anomalous and consequently, were re-analysed by the same lab. The second analysis determined results less than 50 ppb gold in all but one sample which ran 1663 and 60 ppb gold on two separate runs. Further sampling during the winter of 1993 failed to encounter any anomalous gold values.

5.3 Geophysics

Geophysics was done over six lines (azimuth 030 degrees) spaced at 100 meter intervals for a total of 6.5 line kilometers. Both VLF (EM-16) and Magnetometer (Geometric G-826) were used.

Magnetometer highs were located in the central part of the lines often associated with VLF crossovers. VLF crossovers were also coincident with mag lows (Figure 2 & 4).

6.0 CONCLUSIONS

No mineralization, alteration, or significant veining was found during prospecting although the claim group is far from being entirely prospected. Serpentine was found in one outcrop along a linear, possibly a fault. Serpentine along with various volcanics and sediments that are located on the property indicate a setting quite often associated with mesothermal gold deposits.

Although only one anomalous value found in the soil samples could be reproduced, the significance of the high gold values is not fully understood.

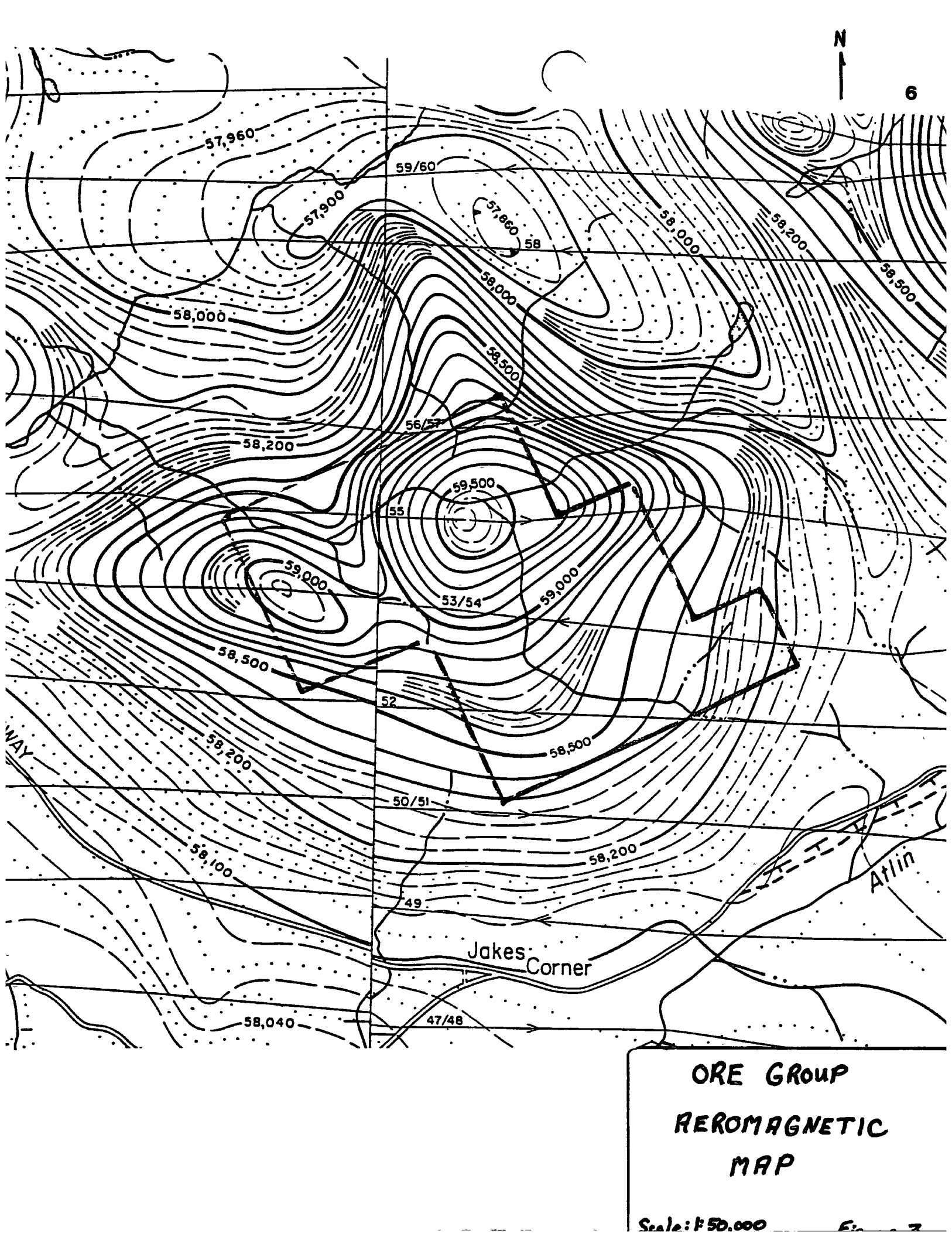
Geophysics has indicated a coincidence between magnetometer highs and lows and VLF crossovers. Numerous crossovers have been located. Neither prospecting nor geochemistry has been done over the geophysical grid.

7.0 RECOMMENDATIONS

1. Further prospecting and geological mapping should be carried out over the entire claim group with emphasis on air photo linears. Follow-up prospecting over the geophysical grid and in the area which serpentine was found should be done in 1994.

2. Soil geochemical samples should be taken over the air photo lineaments as well as over the geophysical grid. Further sampling is also required to determine the significance of the anomalous gold values that were not reproducible on check analysis.

3. Geophysical lines should be extended. Further investigation of the anomalies should be carried out once prospecting, geological mapping and geochemistry has been completed.



N

ORE GROUP
AEROMAGNETIC
MAP

Scale: 1:50,000

Fig. 3

— Mag.
— VLF in phase
— VLF grad.

VLF EM-16
Mag. Geometric 6-826

NLK

7

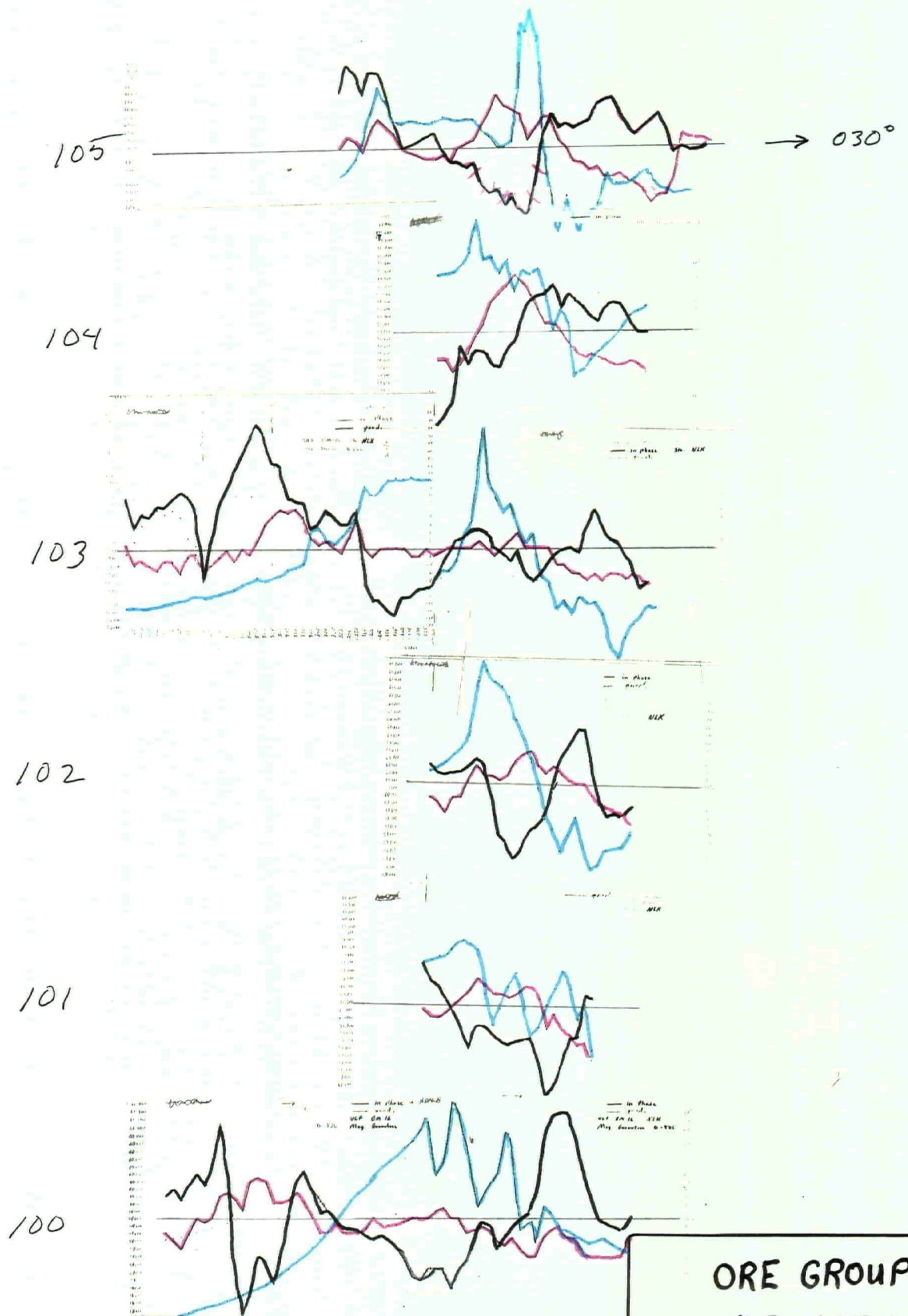
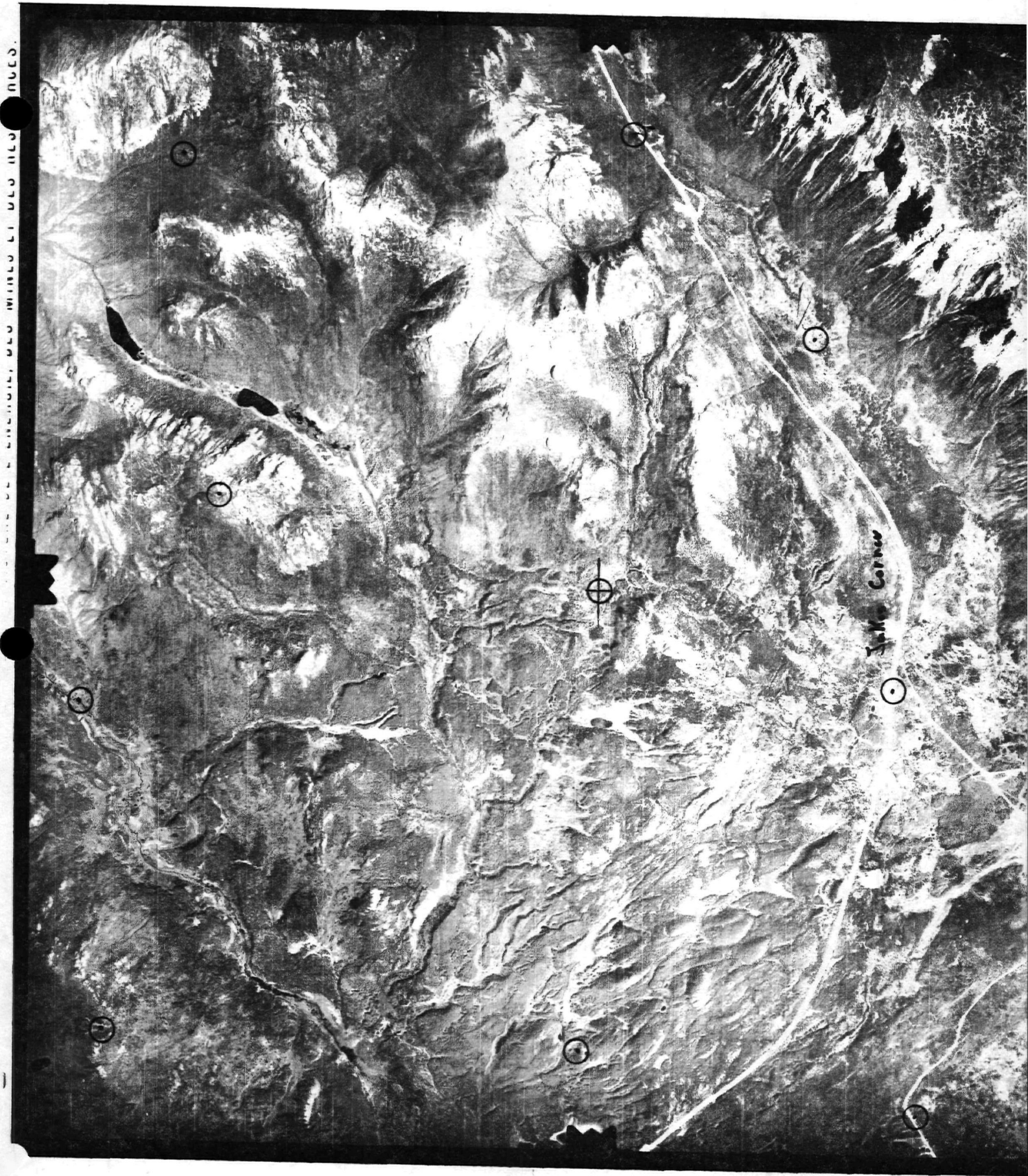


Figure 4



08-Sep-92 date

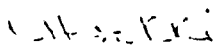
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page 1

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WO#13745

Sample #	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Cd ppm	Sb ppm	Co ppm
92R101	819	<0.1	193	8	69	44	0.7	41	71
92S01	- 509	<0.1	27	<1	30	38	0.3	23	32
92S02	- 1185	1.5	11	<1	100	24	0.5	22	30
92S03	- 718	<0.1	14	2	63	17	0.4	21	29
92S04	576	2.1	18	5	60	41	0.4	38	32
92S05	213	2.5	17	<1	50	43	0.5	34	28
92S06	329	2.9	28	3	42	32	0.4	31	36
92S07	146	<0.1	19	<1	34	44	0.3	20	23
92S08	274	<0.1	18	<1	49	41	0.3	28	19

Certified by 

08-Sep-92 date

Assay Certificate

page 2

Sample #	Ni ppm
92R101	125
92S01	130
92S02	62
92S03	71
92S04	97
92S05	87
92S06	186
92S07	85
92S08	37

Certified by 



09-Feb-93date

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Page1

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Sample #	Au ppb
92 R 101	17
92 S01	30
92 S 02	17
92 S 03	7
92 S 04	9
92 S 05	13
92 S 06	1663 (60) <i>SECOND TIME</i>
92 S 07 - -	24
92 S 08	19

See 2 on 62000 100000

Certified by *Barlene Hutton*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE 604-984-0221

To HAMEL, ROBERT

BOX 5269
WHITEHORSE, YT
Y1A 4Z2

INVOICE NUMBER

I 9 3 1 0 6 1 0

BILLING INFORMATION

Date: 1-FEB-93
Project
P O No.
Account KOM

Comments

Billing For analysis performed on
Certificate A9310610

Terms: Payment due on receipt of invoice
1 25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
8	201 - Dry, sieve to -80 mesh G-15 Au,Pd,Pt package ICP-32	1.00 15.00 5.95	21.95	175.60
2	203 - Dry, sieve to -35 mesh 205 - Geochem ring to approx 150 mesh G-15 Au,Pd,Pt package ICP-32	1.00 1.95 15.00 5.95	23.90	47.80
Total Cost \$				223.40
(Reg# R100938885) GST \$				15.64
TOTAL PAYABLE (CDN) \$				239.04



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To HAMEL, ROBERT

BOX 5269
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Y1A 4Z2

A9310610

Comments

CERTIFICATE

A9310610

HAMEL, ROBERT

Project:
P O #

Samples submitted to our lab in Vancouver, BC.
This report was printed on 1-FEB-93.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	8	Dry, sieve to -80 mesh
203	2	Dry, sieve to -35 mesh
205	2	Geochem ring to approx 150 mesh
229	10	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
975	10	Au ppb: ICP-fluorescence package	FA-ICP-AFS	2	10000
977	10	Pd ppb: ICP-fluorescence package	FA-ICP-AFS	2	10000
976	10	Pt ppb: ICP-Fluorescence package	FA-ICP-AFS	5	10000
2118	10	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	10	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	10	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	10	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	10	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	10	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	10	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	10	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	10	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	10	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	10	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	10	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	10	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	10	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	10	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	10	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	10	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	10	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	10	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	10	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	10	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	10	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	10	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	10	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	10	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	10	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	10	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	10	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	10	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	10	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	10	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	10	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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P O Number
Account KOM

CERTIFICATE OF ANALYSIS

A9310610

SAMPLE	PREP CODE	Au ppb AFS	Pd ppb AFS	Pt ppb AFS	Ag ppm	Al %	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
S-013-04	201 229	20	4	< 5	0.2	1.79	< 2	170	< 0.5	2	0.72	< 0.5	14	139	16	2.46	< 10	< 1	0.03	< 10
S-013-12	201 229	6	8	5	< 0.2	1.88	2	130	< 0.5	< 2	0.93	< 0.5	17	199	32	2.96	< 10	< 1	0.06	< 10
S-013-16	201 229	2	10	5	< 0.2	1.66	< 2	120	< 0.5	< 2	1.04	< 0.5	19	176	46	2.86	< 10	< 1	0.06	10
S-014-09	201 229	< 2	6	55	< 0.2	2.57	4	170	< 0.5	2	0.88	< 0.5	22	209	37	3.88	< 10	< 1	0.06	10
S-014-14	203 205	< 2	8	15	0.4	2.55	12	160	< 0.5	< 2	1.05	< 0.5	26	268	54	4.06	< 10	< 1	0.10	< 10
S-014-17	203 205	2	4	5	0.2	2.42	< 2	140	< 0.5	< 2	1.16	< 0.5	25	327	53	3.88	< 10	< 1	0.10	< 10
S-015-06	201 229	2	2	5	< 0.2	1.83	2	210	< 0.5	< 2	0.86	< 0.5	13	137	37	2.67	< 10	< 1	0.10	10
S-016-04	201 229	6	4	< 5	< 0.2	2.30	< 2	150	< 0.5	2	0.92	< 0.5	17	213	24	2.93	< 10	< 1	0.02	< 10
S-016-09	201 229	2	< 2	< 5	0.2	2.25	< 2	100	< 0.5	< 2	0.98	< 0.5	18	241	30	2.99	< 10	< 1	0.04	< 10
S-017-06	201 229	6	< 2	< 5	< 0.2	2.04	< 2	210	< 0.5	< 2	0.76	< 0.5	14	133	21	2.58	< 10	< 1	0.06	10

CERTIFICATION.

Yhai D Ma

