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Owner Operator: MESA RESOURCES LTD.

A REPORT ON A PROSPECTING AND
SAMPLING PROGRAM ON THE
GOLD EAGLE MINERAL CLAIM
LILLOOET MINING DIVISION, B.C.

GOLD EAGLE 3508 (7)

NTS Reference 92J/16W

Longitude 122° 16'W

Latitude 50° 56'N

PREPARED BY: ALAN G. ISAAK OCTOBER 7, 1987

GEOLOGICAL BRANCH ASSESSMENT REPORT

16,280

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		VANCOUVER, B.C.

SUMMARY

In July 1987 Alan Isaak and Peter Neudorf on behalf of Mesa Resources Ltd. carried out a prospecting and sampling program over the Gold Eagle Claim group.

The Gold Eagle Claim is underlain by Mesozoic greenstones and mixed clastic and carbonate sedimentary rocks that have been cut by numerous shear and fracture zones and small faults. Two mercury (cinnabar) showings associated with strong ankeritic alteration and carbonate # quartz veining occur on the property.

The object of the survey was to prospect the previously unexplored SW part of the claim group and sample any outcroppings.

1. INTRODUCTION

1.1 Terms of Reference

Alan Isaak & Peter Neudorf on behalf of Mesa Resources Ltd. prospected and sampled on the Gold Eagle mineral claim. The work was done in accordance with recommendations contained in a report by J. Britton dated December 21, 1984.

1.2 Claims and Ownership

The Gold Eagle property consists of a single 20 unit (5W \times 4N) mineral claim in the Lillooet Mining Division (Figure 2). It appears on claim map M92J/16W. The claim is registered in the name of Mesa Resources Ltd. as listed below.

Name	Units	Record No.	Date Recorded			
Gold Eagle	20	3508	July 24, 1986			

1.3 Location and Access

The Gold Eagle claim is located in the Yalakom River Valley at the confluence of the Yalakom River and Shulaps Creek (Figures 1,2). The claim is approximately centred on Longitude 122° 16' W and Latitude 50° 56'N, NTS Map 92J/16W.

The property lies about 40km (by road) from Lillooet and is reached by good gravel roads that follow the Bridge and Yalakom Rivers. The Yalakom River road crosses the property from SE to NW; a road following Shulaps Creek parallels the southern boundary of the claim. Access to most of the property is by foot.

1.4 Physiography and Vegetaion

The property covers fairly rugged terrain. Elevations range from 2500' to 4500' ASL. Vegetation consists mainly of coniferous forests that sparsely cover southerly-facing slopes but thickly cover northerly facing slopes. Poplar, alder and willows are common along water courses but underbrush is generally sparse and grassy.

1.5 Previous Work

A short history of the Gold Eagle property has been summarized by Britton (1984). The earliest detailed report on the property is found in Bulletin No.5 of B.C. Department of Mines (1940).

The Gold Eagle claim covers two mercury occurrences that were named the Red Eagle and the Golden Eagle. The Red Eagle was staked in 1937 on the southwest side of the Yalakom River. About six 76-pound flasks of mercury were produced during 1941 and 1942. Two adits and about eighteen trenches and open cuts were excavated. The Golden Eagle property was located in 1938 on the northeast side

side of the Yalakom River directly across from the Red Eagle. Prospecting continued until 1941 when a small mercury retort was installed on the river bank between the two properties. A 50-pound bulk sample collected from the showings in 1938 contained 0.44% Hg and 0.43 oz/ton Ag. A floatation concentrate from this sample assayed 0.105 oz/ton Ag and 0.015 oz/ton Au.

In 1966 the Red Eagle and Golden Eagle were consolidated into the Eagle property and further development work was carried out by Lillooet Mercury Mines Ltd., and subsequently Condor Mines Ltd. By 1971 this work included 15,700' of diamond drilling in 59 holes, 900' of underground exploratory work, detailed geological mapping, 5,800' of linear rock trenching, stripping and surveying. Mercury reservies published in George Cross Newsletter (1971) were as follows:

Measured - 641,844 tonnes (707,500 tons)

@ 5.11 pounds/t

Indicated - 976,147 tonnes (1,076,000 tons)

@ 3.31 pounds/t

Inferred - 1,656,547 tonnes (1,826,000 tons)

@ no grade assigned.

With the decline in mercury prices the property was allowed to lapse. Only intermittent work by various owners has been done on the property since 1971.

2. GEOLOGICAL SETTING

Regional maps compiled by Tipper (1978) and Woodsworth (1977) show that the property lies within the Yalakom Fault zone, a series of northwest trending high-angle, right-lateral strike-slip faults which join the Fraser Fault system near Lillooet (Figure 3). In the vicinity of the property these faults juxtapose Triassic to Jurassic Bridge River Group (mainly greenstones) and Shulaps ultramafite that mostly lie on the southwest side of the Yalakom River against Jurassic to Cretaceous sedimentary rocks of the Relay Mountain and Jackass Mountain Groups on the northeast side of the Yalakom River (Table I). Faults bound all major lithologic groups (Figure 3).

The Yalakom Fault system was active until at least mid-Tertiary time. Upper Miocene olivine basalt flows, that crop out 55km northwest of the property, cover but have not been offset by the fault zone (Tipper, 1978).

TABLE I

(After Woodsworth, 1977)

TABLE OF FORMATIONS

Lower Cretaceous

Jackass Mountain Group

greywacke, conglomerate, argillite, gritty sandstone

Upper Jurassic and Lower Cretaceous

Relay Mountain Group

greywacke, siltstone, argilite

Triassic and Jurassic and older(?)

Ultramafic Rocks

serpentine, harzburgite; peridotite, diorite

Bridge River Group

greenstone, basalt, chert, argillite, phyllite, minor limestone, serpentine

3. PROSPECTING AND SAMPLING

In the southwest part of the claim group two crossing lines were chained and flagged to help give reference points for prospecting. One line north/south over the highest peak in this area the other line east/west over this same peak. The lines were each a little more than 1 km long and thus divided a square km into four quadrants, namely N,P,Y,X.

The area was searched for outcroppings to sample. Overburden was found to be heavy and the only exposed rock located were in quadrants P and X. Six samples were taken:

- 1. P1 at location A6 B6 2
- 2. P2 at location A7 B5½
- 3. P3 at location A8 B6
- 4. X1 at location A9 B42
- 5. X2 at location A10 B6
- 6. X3 at location A102B52

All six samples were analyzed for gold by fire assay and were tested for 28 elements using I.C.P. analytical methods.

4. CONCLUSION

The area prospected is covered by heavy overburden and the few rock outcroppings appear very weathered and are very difficult to identify.

Gold analysis by fire assay yielded only on sample (X1) that was above the detection limit (50ppb). Multi-element analysis by ICP indicated that three of the samples contained pathfinder elements sufficiently elevated to note. They are as follows:

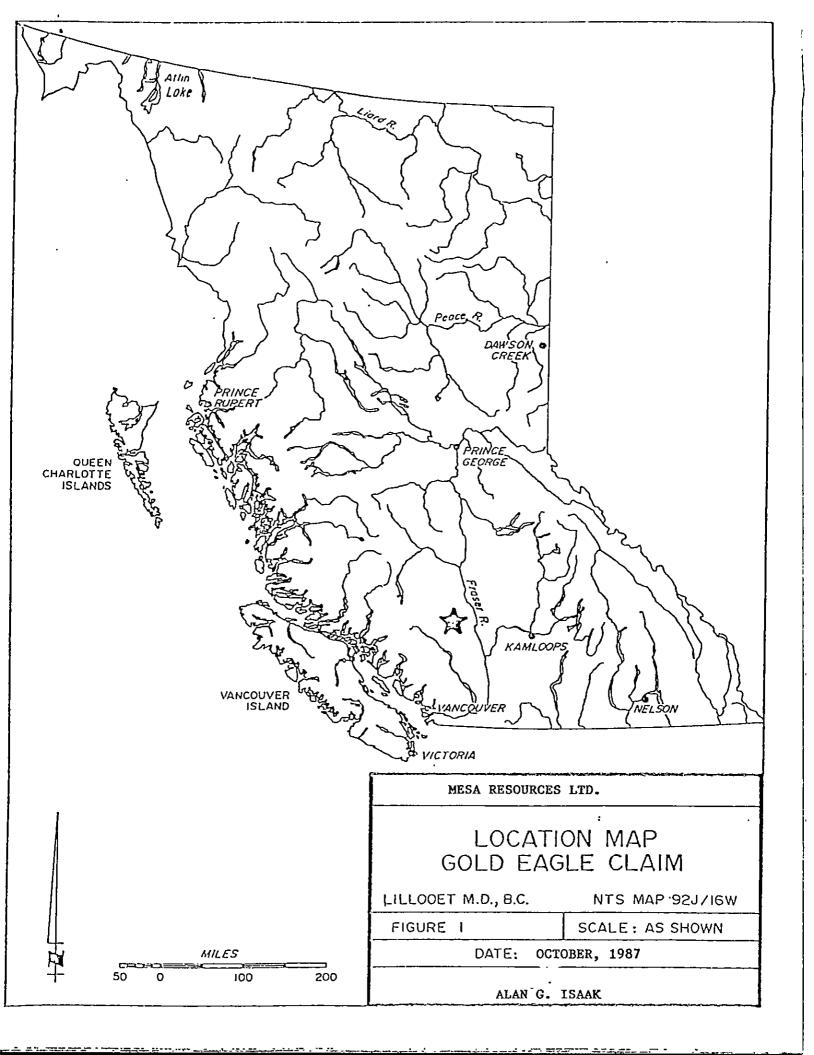
Sample X1 contains Cu at 118 ppm
Sample P2 contains Ni at 169 ppm
Sample P3 contains Co at 90 ppm
Cr at 685 ppm
Ni at 1987 ppm

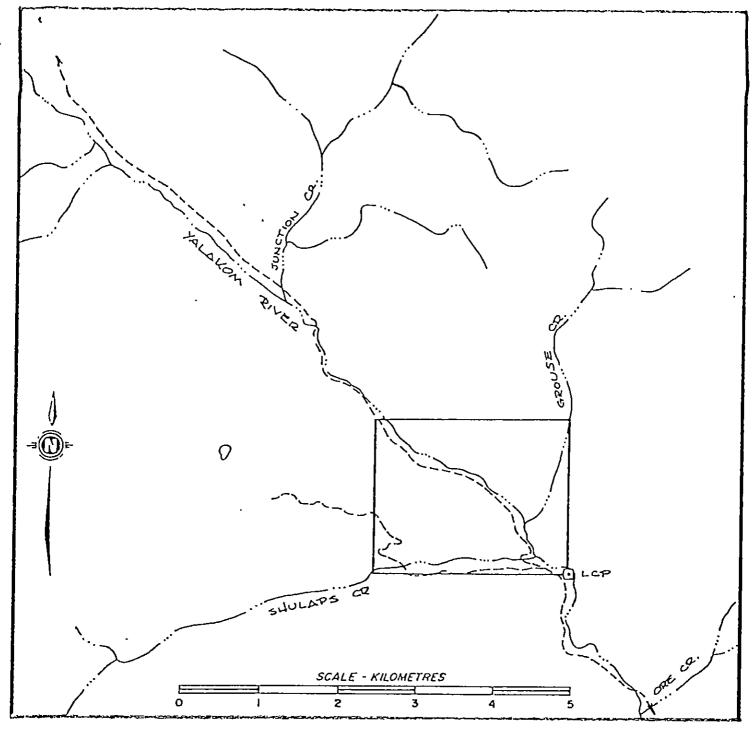
If further sampling of these outcroppings are done, they should be blasted and fresh rock obtained.

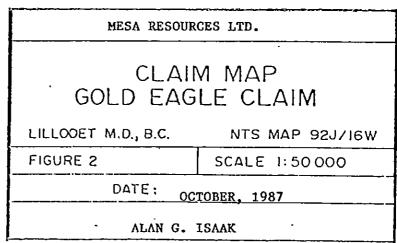
Since past sampling has not resulted in appreciable gold values found right at the mercury showings further sampling should be done near to but offsetting these deposits to try to determine where the gold (if any) occurs in the system.

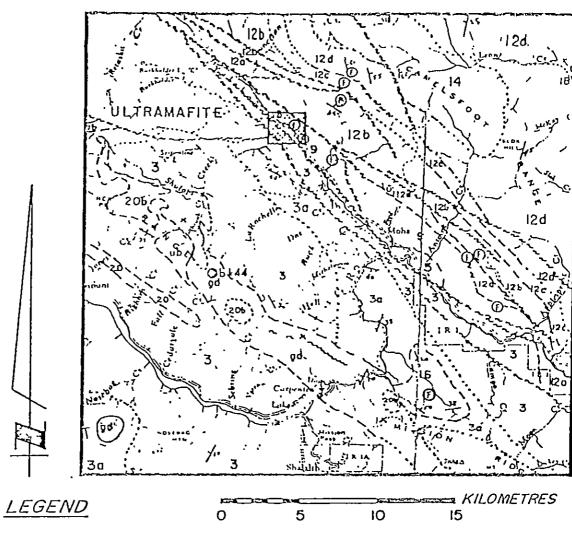
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HIOCENE

20b REXPOUNT PORPHYRY: dacite

DOCENE

16 Shale, siltstone, sandstone

UPPER CRETACEOUS

14 KINGSVALE CHOUP: Arkose, greywacks, andesite

LOVER CHETACEOUS

JACKASS HOUNTAIN CROUP: greywacke, conglowerate, argillite

UPPER JURASSIC & LO-TER CHETACEOUS

9 RELAY HOUNTAIN CHOUP:
greywacke, siltstone, argillite

UPPER TRIASSIC

5 PIONEER FORMATION: greenstone, andesite, basalt

TAIASSIC & OLDER

| 1 | RRIDGE RIVER GROUP: greenstone, basalt, chert, argillite, >= rg=ntine

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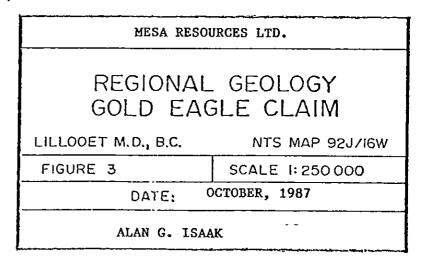
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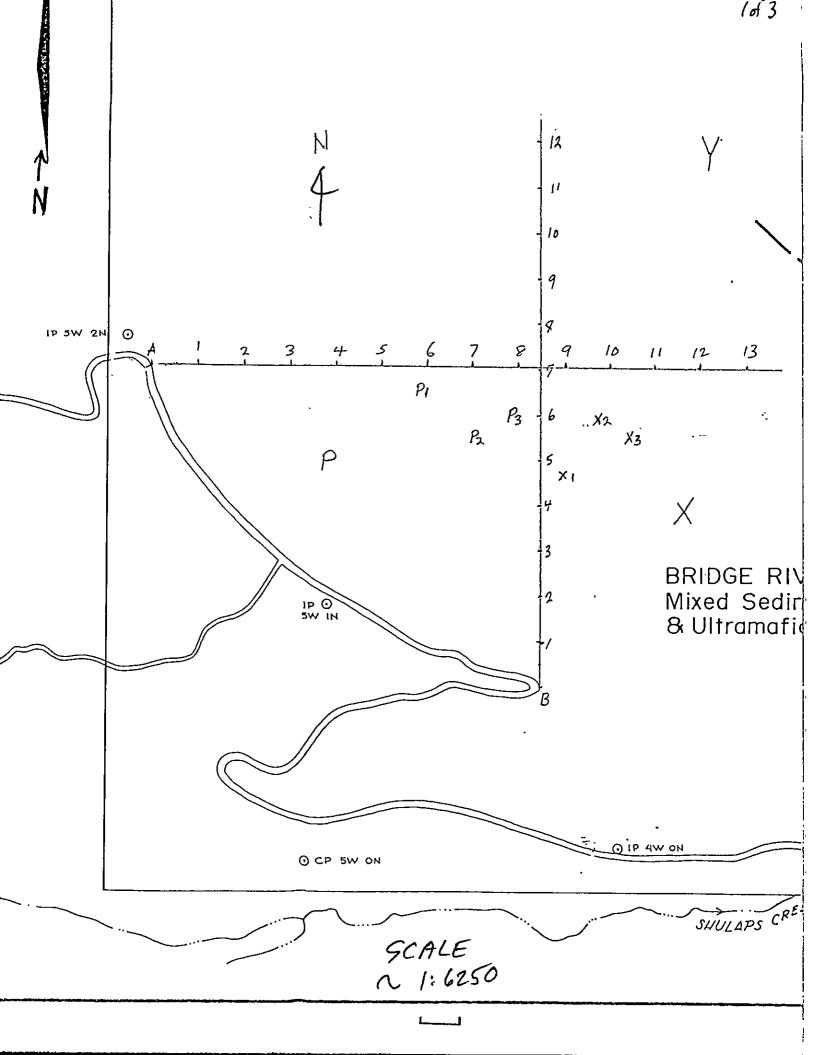
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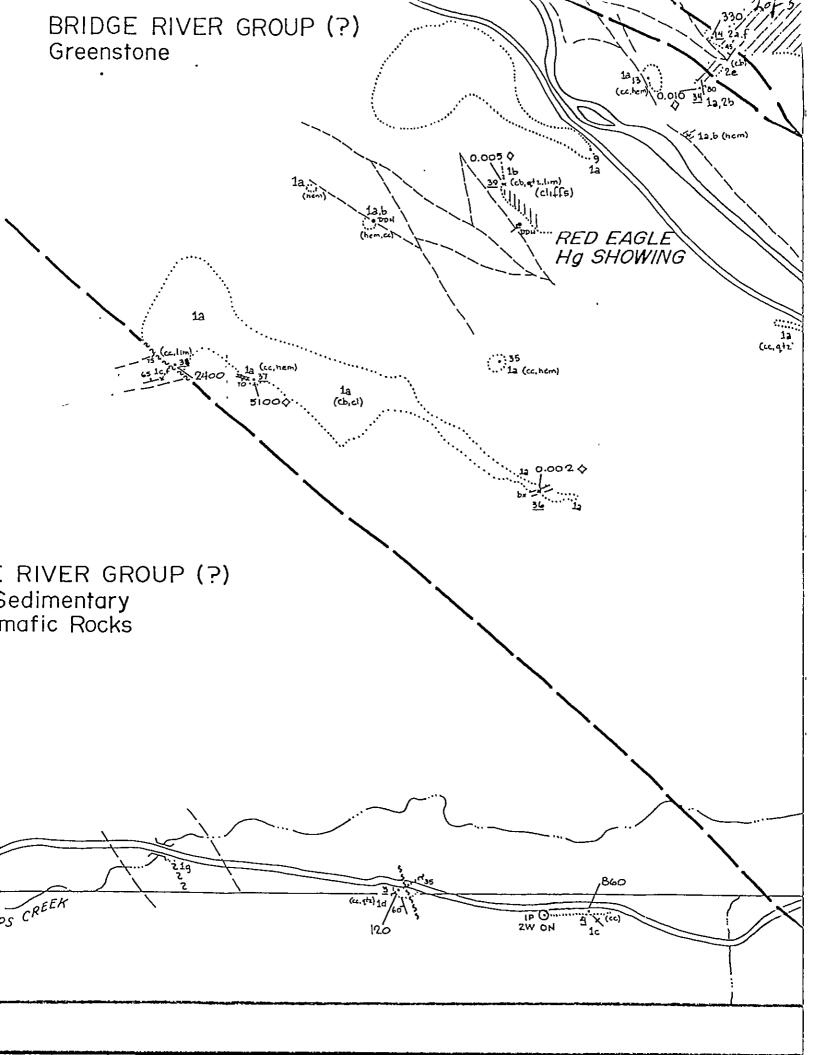
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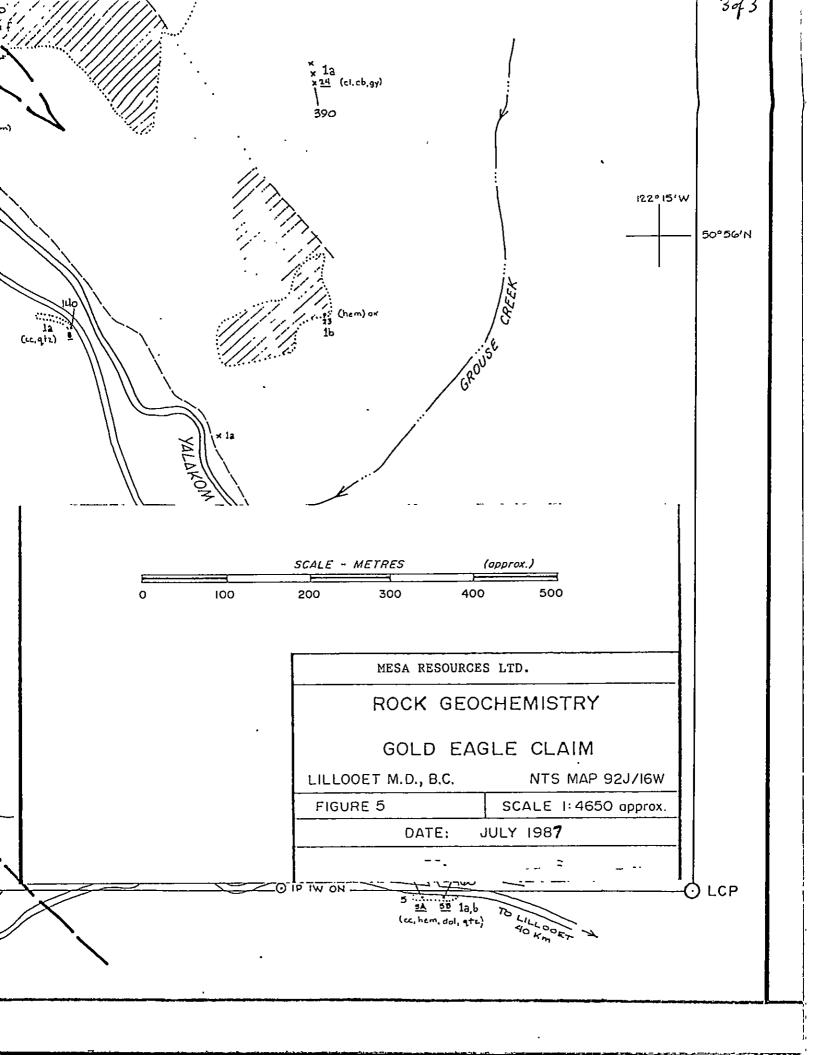
🎊 Cold Eagle Claim

From. CSC Open File 482









APPENDIX A

AUTHOR'S QUALIFICATIONS

- I, Alan Isaak certify that:
- 1. I have worked as a prospector since 1979.
- 2. I completed the prospecting course that was sponsored by the B.C. and Yukon chamber of mines during the fall and winter of 1979 1980.
- 3. Since 1979 I have made numerous property examinations and have conducted exploration programs for junior resource companies with which I have been associated.
- 4. I conducted the prospecting activity described in this report.
- 5. I am a shareholder, director and officer of Mesa Resources Ltd., with offices at 11735 170th Street, Edmonton, Alberta, who is the owner of these mineral claims.

ALAN ISAAK

October 7, 1987

APPENDIX B

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VANGEOCHEM LAB I

MAIN OFFICE 1521 PEMBERTON AVE. NORTH VANCOUVER, B.C. V7P 2S3 (604) 986-5211 TELEX 04-352578

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MESA RESOURCES LTD.

606 - 409 Granville St.,
Vancouver, B.C.

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PO#:

REPORT: 871361 GA

PROJECT: Yalako

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TOTAL, THIS IN

PLEASE PAY BY INVOICE NO STATEMENT WILL BE ISSUED VANGEOCHEM LAB LIMITED

PH: (604)986-5211 TELEX: 04-352578

ICAP GEOCHEMICAL ANALYSIS

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APPENDIX C

CERTIFICATES OF ANALYSES



VANGEOCHEM LAB LIMITED

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VANGEOCHEM LAB LIMITED

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ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 MCL TO HWO3 TO HZO AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR SW, RW, FE, CA, P, CR, MG, BA, PD, AL, MM, K, M, PT AND SR. AU AND PD DETECTION IS 3 PPM. IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: MESA RESOURCES LTD. REPORT#: 871361PA ATTENTION: 108#: 871361 PROJECT: YALAKOM-1 INVOICE#: 871361NA

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APPENDIX D

Itemized Cost Statement

LABOUR

P. NEUDORF	3 days	@ \$30	0.00/day		\$	900.00
A. ISAAK	3 days	@ 30	0.00/day			900.00
			Sub	Total	\$1,	800.00
DISBURSEMENTS						
Vehicle costs					\$	538.98
Food						107.98
Lodging						97.20
Sample preparation and a	analytical costs					102.00
			Sub	Total	_	846.16
				TOTAL	\$2,	646.16