GEOCHEMICAL ASSESSMENT REPORT

on the

OSI, TAM-OSI, and OSI 3

Claim Groups

Omineca Mining Division

NTS 94C/4E

56 05'N, 126 35'W

for

MAJOR GENERAL RESOURCES LTD.

and

VARITECH RESOURCES LTD.

Ed McCrossan

August 14, 1991

SUMMARY

The assessment program was successful in identifying several anomalous locations, drainages and outcrops within the OSI, TAM-OSI & OSI 3 claim groups. These geochemical anomalies are coincident with airborne magnetometer anomalies that are centred above the OSI 1 and 5 claims.

The properties are well located 200 km north of Fort St. James close to the Omineca Mining road and established logging camps and airstrips, as well as, lakes that can be utilized for float plane access.

The properties lie within the Hogem Batholith of the Omineca Belt which was initially explored for porphyry copper-gold deposits in the 1960's and 1970's, when the Major General - Varitech Tam deposit and the nearby Lorraine deposit of Kennecott Canada were discovered. In the last two years, the belt has seen a renewed level of exploration activity due to the success of Continental Gold in outlining a large, low grade, copper-gold porphyry deposit at Mt. Milligan, which dramatically improved the reward/risk ratio for porphyry exploration in the Omineca camp.

The Lorraine and Tam deposits occur within mafic rich, foliated syenitic migmatites of the Duckling Creek Syenite Complex in the Hogem Batholith. The syenite complex trends northwesterly from the deposits and field data suggests that it continues to the OSI and TAM-OSI claims.

Hence, the properties have significant precious metal and/or porphyry copper-gold-silver potential and a detailed program of geological, geochemical, and geophysical surveys is recommended for the claim groups.

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INTRODUCTION

The OSI, TAM-OSI, and OSI 3 claims are located 24 km. northwest of the Kennecott Canada Inc. Lorraine deposit and 12 km northwest of the Major General Resources Ltd. and Varitech Resources Ltd. Tam deposit.

The Lorraine deposit contains published reserves of 10 million tons with 0.67% Cu and 0.006 oz/t Au.

The Tam deposit consists of 7.2 million tons grading 0.55% Cu and 0.12 oz/t Ag.

This assessment report is based upon samples obtained from the claim groups during the first week of June, 1991 by CJL Enterprises of Smithers, B.C.

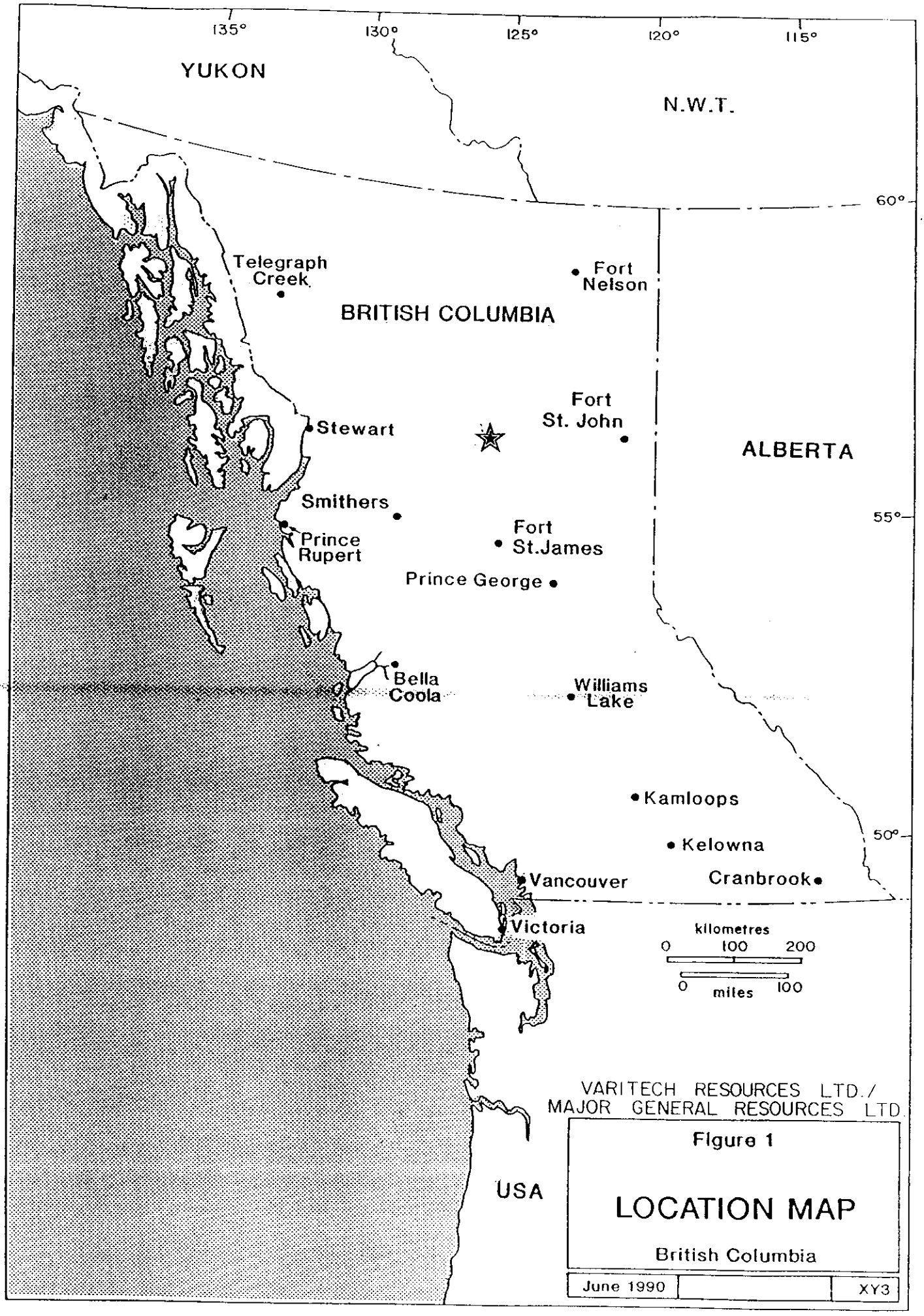
A total of 177 samples were collected and included 147 soils, 11 heavy mineral concentrates, 10 silts, and 9 rocks.

LOCATION AND ACCESS

The OSI, TAM-OSI, and OSI 3 claims are situated within the Omineca Mountains approximately 200 km northwest of Prince George, B.C. (Figure 1).

The properties can be accessed by the Omineca Mining Road which continues north from Ft. St. James to the Cheni, Shasta, and Kemess deposits in the Toodogone Mining Camp.

The road passes through the Osilinka River Valley and along the western shoreline of Uslika Lake. From there, a helicopter lift is necessary to reach the claims which are located approximately 25 km west of the lake.


135°
130°
125°
120°
115°
YUKON
N.W.T.
60°
Telegraph Creek
Fort Nelson
BRITISH COLUMBIA
Fort St. John
Stewart
ALBERTA
Smithers
55°
Prince Rupert
Fort St.James
Prince George
Bella Coola
Williams Lake
Kamloops
Kelowna
50°
Vancouver
Cranbrook
Victoria
kilometres
0 100 200
0 miles 100
USA
VARITECH RESOURCES LTD./
MAJOR GENERAL RESOURCES LTD.
Figure 1
LOCATION MAP
British Columbia
June 1990
XY3

PHYSIOGRAPHY

Physiographically, the claims extend from relatively mature valley bottoms, with an approximate elevation of 1050 m, to sparsely vegetated alpine ridges exceeding 2,000 m in height.

Above the treeline (1500 m) coarse, blocky talus and ridgecrests are encountered.

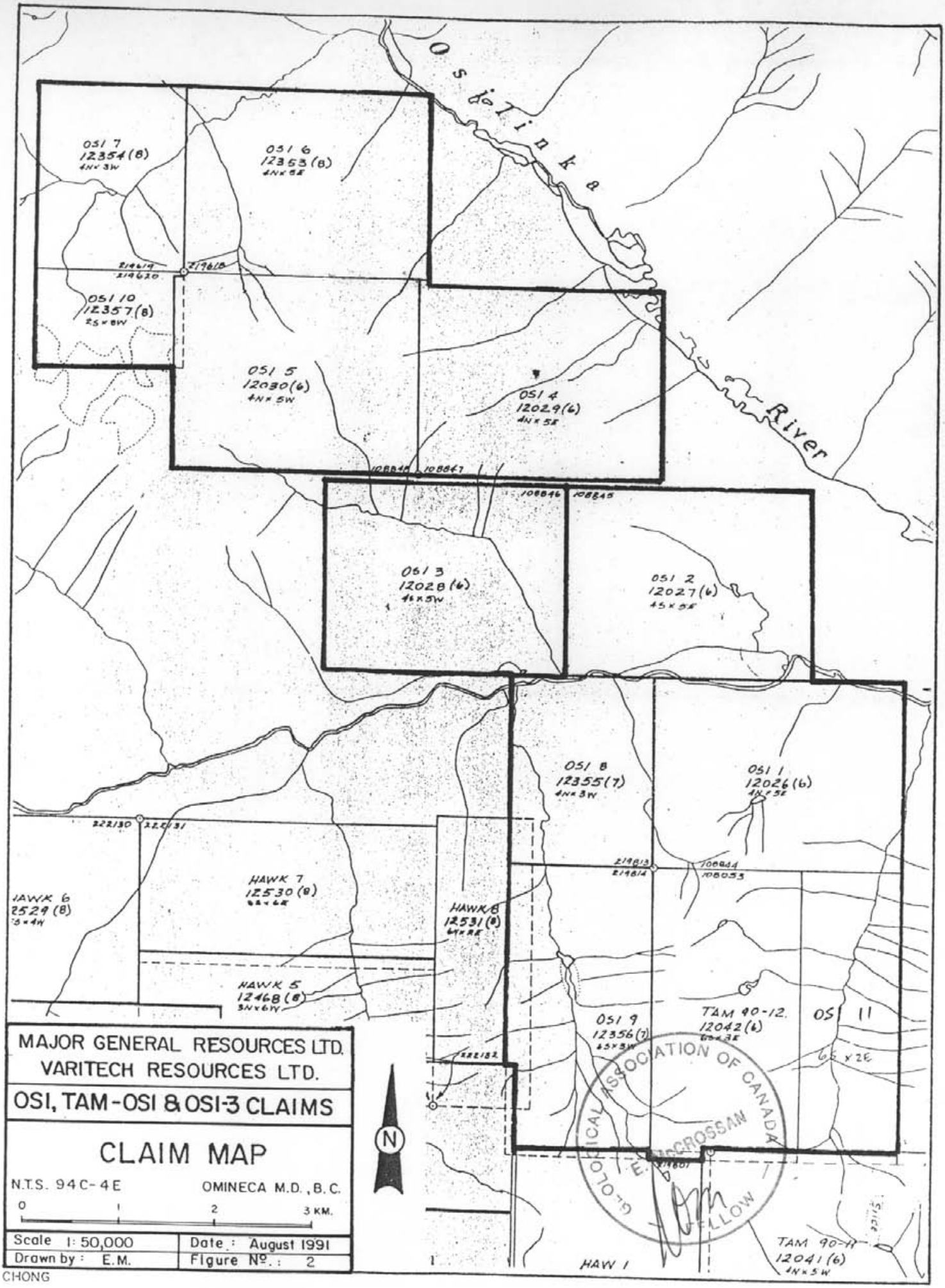
CLAIM DATA

Claim outlines are included in Figure 2 and claim details are listed below.

Table 1

Claim Name	Record No.	No. of Units	Staking Date	*Expiry Date
OSI 3	12028	20	June 14/90	June 14/92
OSI 4	12029	20	June 14/90	June 14/92
OSI 5	12030	20	June 14/90	June 14/92
OSI 6	12353	20	Aug. 01/90	Aug. 01/92
OSI 7	12354	12	Aug. 01/90	Aug. 01/92
OSI 10	12357	6	Aug. 01/90	Aug. 01/92
OSI 1	12026	20	June 14/90	June 14/92
OSI 2	12027	20	June 14/90	June 14/92
OSI 8	12355	12	July 28/90	July 28/92
OSI 9	12356	18	July 28/90	July 28/92
TAM 90-12	12042	18	June 14/90	June 14/92
OSI 11	300601	12	May 30/91	May 30/93

* expiry dates include this assessment application.


Ostinka
River
OSI 7
12354(8)
4N x 3W
OSI 6
12353(8)
4N x 5E
OSI 10
12357(8)
2S x 8W
OSI 5
12030(6)
4N x 5W
OSI 4
12029(6)
4N x 5E
OSI 3
12028(6)
4S x 5W
OSI 2
12027(6)
4S x 5E
OSI 8
12355(7)
4N x 3W
OSI 1
12026(6)
4N x 5E
HAWK 7
12530(8)
6S x 6E
HAWK 6
12529(8)
2S x 4W
HAWK 8
12531(8)
4S x 8E
HAWK 5
12468(8)
3N x 6W
OSI 9
12356(7)
4S x 3W
TAM 90-12
12042(6)
6S x 3E
OSI 11
6S x 2E
TAM 90-11
12041(6)
4N x 5W
HAW 1
MAJOR GENERAL RESOURCES LTD.
VARITECH RESOURCES LTD.
OSI, TAM-OSI & OSI-3 CLAIMS
CLAIM MAP
N.T.S. 94C-4E
OMINECA M.D., B.C.
0 1 2 3 KM.
Scale 1:50,000
Date: August 1991
Drawn by: E.M.
Figure No.: 2
N
GEOLOGICAL ASSOCIATION OF CANADA
MACROSSAN
FELLOW

CHONG

HISTORY

During the late 1960's and 1970's the Hogem Batholith was explored for copper and molybdenum mineralization by Union Miniere Explorations and Mining Corp. Ltd. (UMEX) and their joint venture parnter Wenner Gren.

The work consisted of reconnaissance soil and silt sampling and geological mapping. Some detailed soil grids, silt surveys, and geological maps were compiled in anomalous areas.

In 1972, airborne magnetometer data was collected over the Hogem Batholith by the G.S.C.

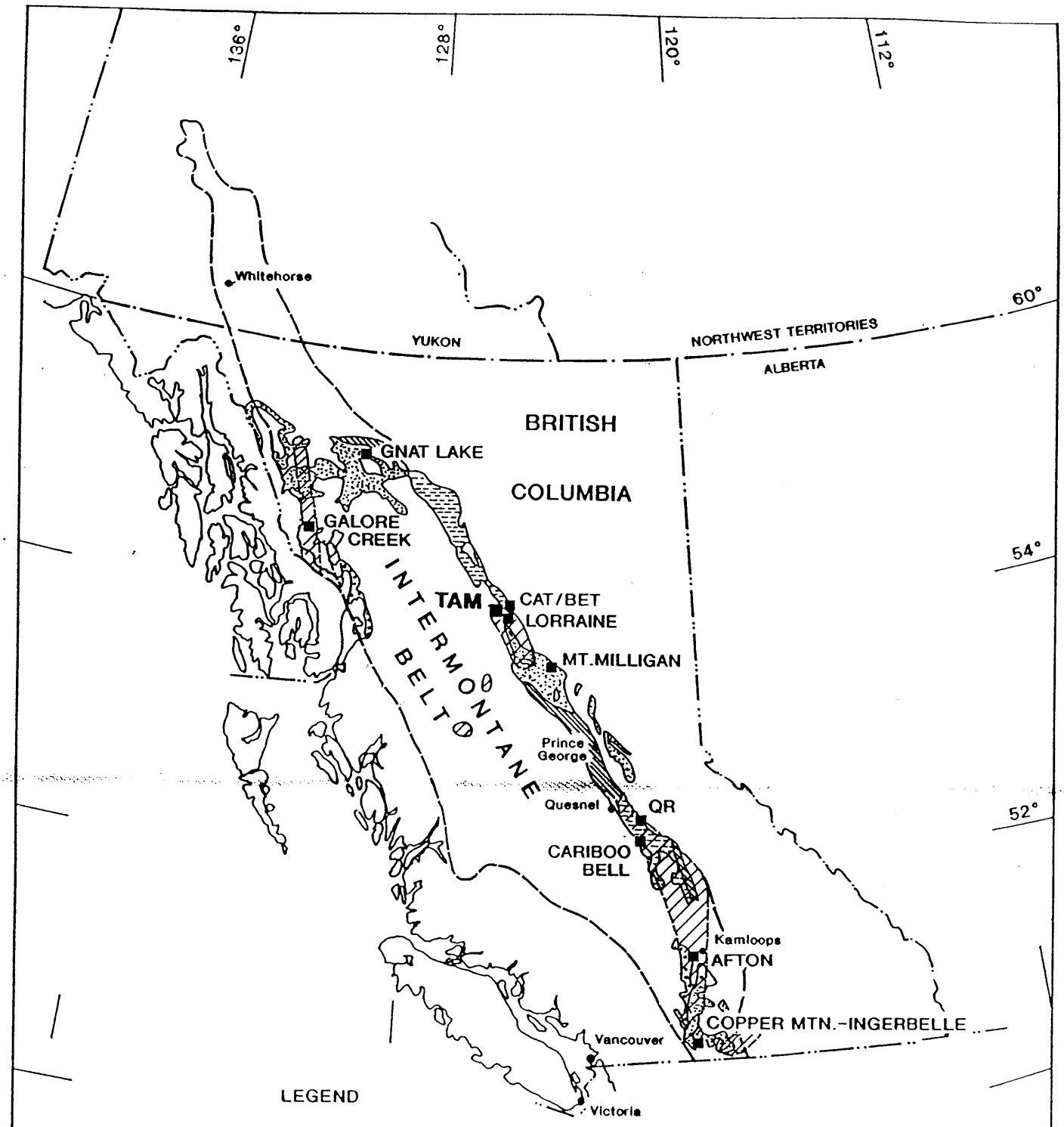
During 1990, Major General Resources Ltd. and Varitech Resources Ltd. formed the Hogem Joint Venture to acquire properties encompassing the most prospective areas indicated by the UMEX data.

REGIONAL GEOLOGY & MINERALIZATION

The claim groups are located in the Quesnel Trough which consists of Mesozoic volcanics and related intrusions and hosts several producing copper-gold alkaline porphyry deposits (Figure 3).

In the study area, the Quesnel Trough is bordered by highly deformed Proterozoic and Paleozoic strata east of the Manson fault zone and by deformed upper Paleozoic strata west of the Pinchi fault.

More specifically, the claims lie within the Hogem Batholith which is a composite plutonic complex of Upper Triassic to Lower Cretaceous age. Intrusive compositions range from the oldest diorites (which include minor gabbro, pyroxenite and hornblendite phases) to the youngest leucocratic syenites and quartz syenites. The more acidic members occur axially and the basic lithologies are located peripherally within the batholithic complex. For a more detailed discussion of the Hogem Batholith see Garnett (1978).



VARITECH RESOURCES LTD./
MAJOR GENERAL RESOURCES LTD.

Figure 3

REGIONAL GEOLOGIC SETTING

British Columbia

NTS 93N/13E,14W,94C/3W,4E

June 1990		XY3

The Takla Group, consisting of andesitic to basaltic volcanics of late Triassic age, was intruded by the batholith and occurs as slivers within the Pinchi fault zone and in contact with the intrusion along its eastern margin.

Copper mineralization within the Hogem Batholith consisting of chalcopyrite, bornite, chalcocite, covellite and malachite is associated with the syenitic phases and their related potash feldspar alteration zones. Gold and silver are commonly present with the sulphides which occur as disseminations and fracture fillings in hybrid rocks, that are also described as migmatites and/or foliates, within the Duckling Creek and Chuchi syenites.

The Duckling Creek Syenite Complex contains the Kennecott Lorraine and Major General - Varitech Tam deposits.

The Lorraine deposit consists of 10 million tons grading 0.67% Cu and 0.006 oz/t Au that occurs predominantly as disseminated chalcopyrite and bornite within the mafic rich portions of foliated syenitic migmatites that are spatially associated with lenses of biotite pyroxenite and faults. Potash feldspathization and sericitization is pervasive and secondary biotite, chlorite, and epidote is widespread. Magnetite is a common accessory.

The Tam deposit contains reserves of 7.2 million tons with 0.55% Cu and 0.12 oz/t Ag that occurs as disseminations and fracture fillings of chalcopyrite, pyrite, and magnetite within foliated syenites. Potash feldspathization, sericitization, and secondary biotite are all associated with the mineralization.

PROPERTY GEOLOGY & MINERALIZATION

Detailed geological mapping of the OSI, TAM-OSI, and OSI 3 claim groups has not been done to date, however, government maps indicate that most of the area is underlain by undifferentiated granitic rocks of the Hogem Batholith.

Umex reconnaissance geology maps show outcrops of basic rocks on the OSI 6 claim and the government airborne magnetometer maps have anomalous highs over the OSI 1 and OSI 5 claims which may be related to mafic rich syenites or pendants of ultramafic material. A copper showing is also associated with the mag high on OSI 5.

Hence, the northwesterly trending Duckling Creek Syenite Complex, which hosts the Lorraine and Tam deposits, may extend onto the claim groups.

PROPERTY GEOCHEMISTRY

A total of 147 soil, 11 heavy mineral concentrate, 10 silt, and 9 rock samples were collected from the OSI, TAM-OSI, and OSI 3 claims by CJL Enterprises during the first week of June, 1991 (Figure 4). They were analysed by Min-En Laboratories for Au and 10 element ICP using standard rapid geochemical methods. A few samples were also assayed for platinum and palladium. The assay results are listed in Appendix I.

Soil samples were taken at 100 m intervals along the 1200 m contour from the 'B' horizon where ever possible. Some snow cover impeded sampling. Soil anomalies (Au > 10 ppb, Ag > 1.0 ppm, Cu > 100 ppm) are plotted on Figure 5.

Heavy mineral and silt samples were taken from all of the main drainages on the properties.

Outcrops and secondary drainages encountered by the contour soil lines were also sampled.

Assay results for the assessment program are excellent and all sampling methods revealed anomalous locations. The anomalies are widespread, but spatially associated with the airborne magnetometer highs centered over the OSI 1 and OSI 5 claims (Figure 6).

Anomalous heavy mineral concentrates (non-magnetic, -80 mesh fraction) ranged between 0.16 and 26.10 g/t gold. Platinum assays for these samples were as high as 128 ppb.

CHONG

HML0291

OSI 0+00S

OSI 2+72R

OSI 3+00RA,RB

OSI 3+40X

OSI 3+40RA,RB

HML0191

HML0991

OSI 4+50X

OSI Mag 1-3

OSI 8+85R

OSI 29+50X

OSI 13+30X

OSI 15+30X

HML0391

OSI 53+90X

HML0491

OS3 0+00X

OS3 2+00X

OSI3 6+40X

OS3 7+60X

OS3 9+05X

OS3 13+45X

OS3 15+00S

Osilinka River

OS2 27+00S

py/mal gossans

HML 1191

OS2 47+90X

HML0891

OS2 70+00S

HML0591

HML0791

TA68+00E

TA10+00E

TA60+60X

HML0891

PROPERTY OUTLINE

LEGEND

- o Heavy mineral concentrate sample (HML0891)
- • Soil sample (TA 10+00E)
- × Silt " (TA60+60 X)
- ▲ Rock " (OSI8+85R)

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MAJOR GENERAL RESOURCES LTD.
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OSI, TAM-OSI & OSI-3 CLAIMS

SAMPLE LOCATION MAP

N.T.S. 94C-4E OMINECA M.D., B.C.

0 1 2 3 KM.

Scale 1: 50,000	Date : August 1991
Drawn by : E.M.	Figure Nº. : 4

CHONG

HML0291
(1, .1, 106)
(1, .7, 118)
(4, .6, 118)
(1, 1.0, 25)
(1, .6, 323)
(2, .2, 142)
OSI 0+00S
Cu
HML0191
HML0991
(2, .3, 107)
Cu, Ag
HML0391
OSI 53+90X
(2, .6, 112)
(1, .1, 101)
(10, .2, 39)
HML0491
OS3 0+00XX
(4, .7, 372)
Cu, Au
(10, .3, 30)
(2, .4 ,132)
(2, 1.2, 226)
Cu, Au
OS3 15+00S
Osilinka River
OS2 27+00S
py/mal gossans
HML 1191
(10, .1, 16)
(2 .6 181)
(2, 1.3, 109)
Cu, Au
HML0691
OS2 70+00S
HML0591
(8, .5, 105)
(10, .4, 20)
HML0791
(2, 1.1, 51)
(3, .9, 134)
Cu, Ag
(36, .1, 12)
(15, .6, 23)
(41, .2, 28)
Au
TA10+00E
TA68+00E
(2, .7, 141)
(3, .3, 157)
(1, 1.0, 21)
(4, 1.0, 17)
(3, 1.0, 8)
(1, .3, 101)
Ag, Cu
HML0891
PROPERTY OUTLINE

LEGEND

- O Heavy mineral concentrate sample
- • Soil sample
- × Silt "
- ▲ Rock "

(41, .2, 28) (Au ppb, Ag ppm, Cu ppm)
›.10 , ›1.0 , ›100 anomalous value (soil)

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MAJOR GENERAL RESOURCES LTD.
VARITECH RESOURCES LTD.

OSI, TAM-OSI & OSI-3 CLAIMS

SOIL ANOMALY MAP

N.T.S. 94C-4E OMINECA M.D., B.C.

0 1 2 3 KM.

Scale 1: 50,000	Date : August 1991
Drawn by : E.M.	Figure Nº. : 5

CHONG

(55,na,33)
HML0291

(80ppm Mo) OSI 0+00S (4205,na,35)

(5,na,717) OSI 3+40X Cu HML0191 HML0991 (26100,61,107)

(8,na,109) OSI 4+50 X

(400ppm Cu)

(1,na,1359)

OSI 29+50X
(2,na,128)

Cu,Ag

(2,na,99) I3+30X

(2,na,122) I5+30X

HML0391 (10550,na,53)

OSI 53+90X (2,na,131)

(161,na,49)
HML0491
OS3 0+00XX

7000
7500
8000

Cu,Au

Cu,Au

OS3 13+45 X (2,na,131)
OS3 15+00S

Osilinka River

py/mal gossans

HML1191 (7400,48,24)

OS2 27+00S

Cu,Au

OS2 70+00S

HML0691 (843,na,19)

HML0591 4265,na,28)

HML0791 (13250,120,54)

Cu,Ag

6600
6500

Au
TA10+00E

TA68+00E

Ag,Cu

TA 60-60 X (3,na,157)

HML0891 (638,128,24)

PROPERTY OUTLINE

GEOLOGICAL ASSOCIATION OF CANADA
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N

LEGEND

- O Heavy mineral concentrate sample
- • Soil sample
- × Silt "
- ▲ Rock "

HML0891(638,128,24) Heavy mineral anomaly (Au ppb , Pt ppb, Cu ppm)

TA 60+60X(3,na,157) Silt anomaly (Au ppb, Pt ppb, Cu ppm) — na = not assayed

Cu,Au,Ag Soil anomalies

6600 Airborne magnetic contour , gammas

MAJOR GENERAL RESOURCES LTD.
VARITECH RESOURCES LTD.

OSI, TAM-OSI & OSI-3 CLAIMS

ANOMALY COMPILATION MAP

N.T.S. 94C-4E OMINECA M.D., B.C.

0 1 2 3 KM.

Scale 1:50,000	Date: August 1991
Drawn by: E.M.	Figure No.: 6

Coincident rock sample anomalies, in the creek draining the OSI 6 claim and containing 26.10 g/t gold, assayed up to 0.14% Cu. Other rock sample anomalies from OSI 7 assayed 400 ppm Cu and 80 ppm Mo.

Soil and silt anomalies of gold, silver, and copper are scattered throughout the claim groups.

CONCLUSIONS AND RECOMMENDATIONS

The assessment program was successful in identifying several anomalous locations, drainages and outcrops within the OSI, TAM-OSI & OSI 3 claim groups. These geochemical anomalies are coincident with airborne magnetometer anomalies of up to 2,000 gammas that are centred above the OSI 1 and 5 claims.

The properties are well located 200 km north of Fort St. James close to the Omineca Mining road and established logging camps and airstrips, as well as, lakes that can be utilized for float plane access.

The properties lie within the Hogem Batholith of the Omenica Belt which was initially explored for porphyry copper-gold deposits in the 1960's and 1970's, when the Major General - Varitech Tam deposit and the nearby Lorraine deposit of Kennecott Canada were discovered. In the last two years, the belt has seen a renewed level of exploration activity due to the success of Continental Gold in outlining a large, low grade, copper-gold porphyry deposit at Mt. Milligan, which dramatically improved the reward/risk ratio for porphyry exploration in the Omineca camp.

The Lorraine and Tam deposits occur within mafic rich, foliated syenitic migmatites of the Duckling Creek Syenite Complex in the Hogem Batholith. The syenite complex trends northwesterly from the deposits and field data suggests that it continues to the OSI and TAM-OSI claims.

Hence, the properties have significant precious metal and/or porphyry copper-gold-silver potential and a detailed program of geological, geochemical, and geophysical surveys is recommended for the claim groups.

STATEMENT OF QUALIFICATIONS

I, Ed McCrossan, of 3328 W. 2nd Avenue, Vancouver, British Columbia hereby certify:

1. I am a graduate of the University of British Columbia (1984) and hold a B.Sc. degree in geology.

2. I am presently employed as a consulting geologist with the ARC Resource Group of 401, 325 Howe Street, Vancouver, British Columbia.

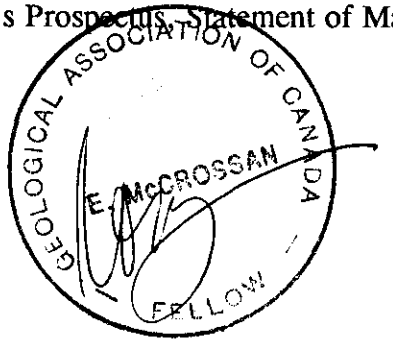
3. I have been employed in my profession by various mining companies since graduation and have worked on projects in Canada, Hungary, Thailand, China, Australia, and Chile.

4. I am a member of the Canadian Institute of Mining and Metallurgy, and the Geological Association of Canada.

5. The recent data described in this report was collected by CJL Enterprises Ltd., of Smithers, B.C., during the first week of June, 1991.

6. I do not own or expect to receive any interest (direct, indirect, or contingent) in the properties described herein nor in the securities of Varitech Resources Ltd. or Major General Resources Ltd., in respect of services rendered in the preparation of this report.

7. I consent to and authorize the use of the attached report and my name in Company's Prospectus, Statement of Material Facts or other public documents.



Ed McCrossan
Geologist, F.G.A.C.

DATED at Vancouver, British Columbia, this 26 day of August, 1991.

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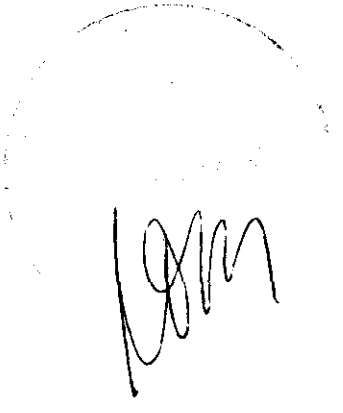
COST STATEMENT

Professional Fees:	
Ed McCrossan 2.5 days @ $350/day	$ 875.00
Field Personnel Fees:	
L.B. Warren 6.5 days @ $250/day	1,625.00
D. Ethier 6.5 days @ $210/day	1,365.00
R. Reding 6.5 days @ $210/day	1,365.00
R. B. Anderson 6.5 days @ $210/day	1,365.00
Field Equipment & Rental:	663.00
Truck Rentals 12 days @ $70/day	840.00
Room and Board 24 man days @ $50/day	1,200.00
Transportation:	
Scheduled Flight	578.00
Helicopter 12.2 hrs. @ $650/hr.	7,930.00
Travel Expenses:	84.00
Analyses:	
11 heavy mineral concentrates @ $48/sample	528.00
147 soil @ $14.25/sample	2,095.00
10 silt @ $14.25/ sample	143.00
9 rock @ $16.75/sample	151.00
Drafting:	425.00
Reproductions:	40.00
GST	1,391.00
Management, Office Supplies & Miscellaneous @ 5%	1,133.00
TOTAL	$23,796.00



APPENDIX I

Rock Sample Descriptions

OSI 2+72 R	Granitic outcrop; grab
OSI 3+00 RA	Granite; grab
OSI 3+00 RB	Granitic rock; grab
OSI 3+40 RA	Granitic rock; grab
OSI 3+40 RB	Granitic rock; grab
OSI 8+85R	Granitic rock; grab
OSI MAG 1	Chip sample across 2 m; altered pyroxenite, strongly magnetic.
OSI MAG 2	Altered pyroxenite, magnetic; grab
OSI MAG 3	Altered pyroxenite, magnetic; grab

APPENDIX II

ASSAY

RESULTS

COMP: ARC RESOURCES
PROJ:
ATTN: ED MCCROSSAN/B.KAHLERT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0040-HJ1
DATE: 91/06/28
* NON-MAG HM * (ACT:F31) PAGE 1 OF 2

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB
HML 01/91 -80MESH	1.9	14870	1	11	49	.1	12	23220	.1	10	35	23390	650	7	5850	454	1	230	1	5600	43	1	145	2	1	86.6	73	1	2	1	7	4205
HML 02/91 -80MESH	1.1	6070	1	6	37	.1	5	26480	.1	8	33	14550	620	3	5290	270	1	450	1	11990	24	1	139	2	1	59.3	39	1	1	1	7	55
HML 03/91 -80MESH	2.0	10300	1	5	92	.1	8	27950	.1	15	53	25950	1610	2	8570	437	1	1070	4	11320	44	1	122	1	1	98.6	53	1	2	1	11	10550
HML 04/91 -80MESH	1.6	9890	1	3	69	.1	8	26400	.1	14	49	25300	1310	2	7100	469	1	930	1	9150	43	1	110	1	1	97.9	46	1	2	1	10	161
HML 05/91 -80MESH	2.2	9500	1	3	42	.1	16	27100	.1	15	28	35690	680	2	3400	687	1	500	1	8660	43	1	99	4	1	126.4	36	1	3	1	6	4265
HML 06/91 -80MESH	1.2	4520	4	1	42	.1	5	29850	.1	9	19	12660	540	1	5870	230	1	430	3	16100	25	2	148	1	1	48.1	19	3	1	1	10	843
HML 07/91 -80MESH	2.3	7770	1	2	22	.1	12	20240	.1	14	54	24200	810	4	5120	433	1	490	1	5300	31	1	48	4	1	82.6	28	1	2	1	5	13250
HML 08/91 -80MESH	2.4	6920	1	4	30	.1	17	28170	.1	12	24	28330	380	3	4140	584	1	330	1	13940	35	1	67	17	1	73.0	27	1	3	3	5	638
HML 09/91 -80MESH	2.4	4460	1	2	47	.1	5	34410	.1	11	107	13720	680	1	7820	268	1	530	1	17170	22	1	166	1	1	57.8	20	3	1	1	11	26100
HML 10/91 -80MESH	1.2	12480	1	3	51	.1	9	24590	.1	15	63	26600	1120	2	5730	425	2	240	1	8030	29	1	115	1	1	95.3	34	1	2	1	9	1195
HML 11/91 -80MESH	1.7	4050	5	4	34	.1	4	56190	.1	9	24	11500	380	1	8750	242	1	440	4	26150	18	2	223	1	1	49.4	15	4	1	1	10	7400

051 & TAG 051
Heavy Mineral

MINERAL
• ENVIRONMENTS
LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

1S-0040-PG1

Company: ARC RESOURCES
Project:
Attn: ED MCCROSSAN/B.KAHLERT

Date: JUN-28-91
Copy 1. ARC RESOURCES, VANCOUVER, B.C.
2. B.KAHLERT, VANCOUVER, B.C.

He hereby certify the following Geochemical Analysis of 5 HEAVY MINERAL samples submitted JUN-18-91 by ED MCCROSSAN.

Sample Number	PT-FIRE PPB	PD-FIRE PPB	HM %
HML 07-91 -60MESH	120	13	26.14
HML 08-91 -60MESH	128	15	7.96
HML 09-91 -60MESH	61	13	80.53
HML 10-91 -60MESH	604	12	21.54
HML 11-91 -60MESH	48	13	83.64

Certified by _____

MIN-EN LABORATORIES

COMP: ARC RESOURCES LTD.
PROJ:
ATTN: ED MC CROSSAN

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0041-RJ1
DATE: 91/06/13
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BI PPM	CU PPM	MO PPM	PB PPM	SB PPM	ZN PPM	SN PPM	W PPM	AU PPB
OSI 2+72R	1.9	1	5	43	1	3	1	55	1	2	2
OSI 3+00RA	.5	19	1	12	80	20	1	10	1	6	1
OSI 3+00RB	.6	1	2	18	1	6	1	43	1	2	1
OSI 3+40RA	.7	1	3	94	1	1	1	85	1	2	3
OSI 3+40RB	.4	10	1	26	2	3	1	8	1	2	2
OSI 8+85R	1.5	1	3	400	1	1	1	75	1	2	2
OSI MAG 1	.2	1	3	801	2	1	1	36	1	2	1
OSI MAG 2	.5	1	3	1359	1	1	1	38	1	1	1
OSI MAG 3	1.1	1	4	91	1	1	1	62	1	2	1

SILT. OSI & TAM-OSI

COMP: ARC RESOURCES LTD.
PROJ: TAM OSI
ATTN: ED MC CROSSAN

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0039-SJ1
DATE: 91/06/13
* SILT * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BI PPM	CU PPM	MO PPM	PB PPM	SB PPM	ZN PPM	SN PPM	W PPM	AU PPB
OSI 3+40X SILT	.7	1	2	717	1	6	1	109	1	1	5
OS1 4+50X SILT	.7	1	2	109	1	4	1	56	1	1	8
OSI 13+30X SILT	.8	1	3	99	1	3	1	89	1	1	2
OSI 15+30X SILT	.6	1	3	122	1	1	1	57	1	1	2
OSI 29+50X SILT	.1	1	1	128	1	1	1	23	1	2	2
OSI 53+90X SILT	.5	1	1	131	1	12	1	90	1	1	2
OS2 47+90X SILT	.1	1	1	23	1	1	1	12	1	4	1
OS3 0+00SX SILT	.1	1	1	87	1	2	1	60	1	3	6
OS3 2+00SX SILT	.1	1	1	61	1	17	1	69	1	1	4
OS3 6+40X SILT	.2	1	1	63	1	27	1	45	1	1	1
OS3 7+60X SILT	.1	1	1	76	1	31	1	48	1	1	1
OS3 9+05X SILT	.3	1	1	67	2	18	1	62	1	1	6
OS3 13+45X SILT	.1	1	1	131	1	55	1	60	1	1	2

SOIL OS1 & TAM-OS1

COMP: ARC RESOURCES LTD.
PROJ:
ATTN: ED MC CROSSAN

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0042-SJ1+2
DATE: 91/06/13
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BI PPM	CU PPM	MO PPM	PB PPM	SB PPM	ZN PPM	SN PPM	W PPM	AU PPB
OS1 0+00S	.1	1	1	69	5	8	1	43	1	2	1
OS1 1+00S	.7	1	4	52	3	2	1	58	2	2	2
OS1 2+00S	.6	1	3	323	10	8	1	37	1	2	1
OS1 3+00S	.2	1	1	142	2	6	1	20	1	1	2
OS1 4+00S	.3	1	1	30	1	4	1	30	1	1	1
OS1 5+00S	.1	1	1	22	1	1	1	24	1	1	3
OS1 6+00S -40	.1	1	1	13	1	3	1	25	1	1	3
OS1 7+00S	.1	1	3	52	1	1	1	62	1	2	1
OS1 8+00S	.1	1	1	61	1	6	1	33	1	1	2
OS1 9+50S	.1	1	1	22	3	4	1	65	1	1	5
OS2 10+00S	.2	1	2	41	3	3	1	38	1	1	1
OS1 11+00S -40	.1	1	1	36	1	4	1	34	1	1	2
OS1 12+00S -40	.1	1	1	87	1	7	1	26	1	1	1
OS1 13+00S -40	.3	1	2	107	1	2	1	69	1	2	2
OS1 14+00S	.2	1	3	34	1	1	1	51	1	2	3
OS1 15+00S	.5	1	3	76	1	4	1	62	2	2	1
OS1 16+00S	.4	1	3	18	1	3	1	36	1	2	1
OS1 17+00S -40	.5	1	2	17	1	5	1	31	1	1	2
OS1 18+00S	.7	1	3	372	1	1	1	81	2	2	4
OS1 19+00S -40	.3	1	3	50	1	3	1	69	1	2	1
OS1 20+00S -40	.1	1	1	75	1	8	1	68	1	2	3
OS1 21+00S -40	.1	1	1	40	1	8	1	51	1	1	1
OS1 22+00S -40	.1	1	1	77	1	10	1	41	1	1	2
OS1 23+00S -40	.1	1	1	28	6	4	1	42	1	1	2
OS1 24+00S	.4	1	2	31	1	5	1	28	1	1	1
OS1 25+00S	.5	1	2	19	1	3	1	19	1	1	1
OS1 26+00S	.7	1	1	13	1	3	3	9	1	1	3
OS1 27+00S	.4	1	3	26	1	4	1	48	1	3	2
OS1 28+00S	.5	1	3	21	1	6	1	36	1	2	1
OS1 29+00S	.1	1	2	24	1	1	1	28	1	4	1
OS1 30+00S -40	.1	1	2	13	1	1	1	18	1	3	2
OS1 31+00S	.6	1	1	85	6	12	1	58	1	1	1
OS1 32+00S	.2	1	2	63	2	4	1	46	1	2	1
OS1 33+00S -40	.1	1	2	15	7	2	1	32	1	2	1
OS1 34+00S	.5	1	2	63	1	6	1	34	1	2	2
OS1 35+00S -40	.1	1	1	12	1	4	1	31	1	2	1
OS1 36+00S	.4	1	3	21	1	1	1	52	1	2	1
OS1 37+00S	.1	1	3	12	4	1	1	39	1	2	1
OS1 38+00S	.3	1	2	15	2	1	1	25	1	1	1
OS1 39+00S	.1	1	1	70	15	8	1	19	1	1	3
OS1 40+00S	.1	1	2	106	13	3	1	47	1	2	1
OS1 41+00S	.7	1	1	118	13	14	1	40	1	2	1
OS1 42+00S	.5	1	2	95	6	2	1	40	1	2	1
OS1 43+00S -40	.6	1	2	118	6	9	1	39	1	1	4
OS1 44+00S -40	.4	1	3	25	4	3	1	45	1	2	1
OS1 45+00S -40	.6	1	3	18	4	6	1	36	1	2	4
OS1 46+00S	1.0	1	3	25	1	4	1	50	1	2	1
OS1 47+00S	.6	1	2	19	1	1	1	31	1	1	2
OS1 48+00S -40	.6	1	2	17	2	6	1	27	1	1	1
OS1 49+00S	.5	1	2	67	8	7	1	46	1	2	1
OS1 50+00S	.1	1	2	55	2	1	1	31	1	2	1
OS1 51+00S	.3	1	2	40	1	2	1	46	1	1	2
OS1 52+00S	.5	1	2	33	1	3	1	31	1	1	1
OS1 53+00S	.7	1	1	4	1	2	1	8	1	1	1
OS1 54+00S	.3	1	2	47	1	2	1	34	1	2	1
OS2 27+00S	.2	1	3	89	1	24	1	59	1	3	1
OS2 28+00S	.5	1	3	15	1	38	1	30	1	2	1
OS2 29+00S	.6	1	2	97	1	34	1	54	1	2	1
OS2 30+00S	.1	1	3	33	1	27	1	67	1	3	2
OS2 31+00S	.1	1	1	34	1	45	1	49	1	2	2

COMP: ARC RESOURCES LTD.
PROJ:
ATTN: ED MC CROSSAN

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0042-SJ3+4
DATE: 91/06/13
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BI PPM	CU PPM	MO PPM	PB PPM	SB PPM	ZN PPM	SN PPM	W PPM	AU PPB
OS2 32+00S -40	.8	1	1	11	1	28	1	33	1	1	2
OS2 33+00S	.3	1	1	26	1	41	1	41	1	1	1
OS2 34+00S	.4	1	1	28	1	25	1	27	1	1	5
OS2 35+00S	.3	1	1	48	1	37	1	33	1	1	3
OS2 36+00S -40	.2	1	1	16	1	11	1	26	1	1	2
OS2 37+00S	.1	1	1	10	1	1	1	17	1	1	2
OS2 38+00S -40	.1	1	1	6	1	1	1	14	1	1	1
OS2 39+00S	.2	1	1	25	1	5	1	18	1	1	6
OS2 40+00S	.2	1	1	14	1	4	1	20	1	1	2
OS2 41+00S	.1	1	1	11	1	5	1	14	1	1	3
OS2 42+00S	.1	1	2	11	1	2	1	27	1	1	1
OS2 43+00S -40	.1	1	1	18	1	6	1	27	1	1	1
OS2 44+00S	.2	1	1	15	1	5	1	21	1	1	3
OS2 45+00S	.1	1	1	12	1	4	1	24	1	1	2
OS2 46+00S	.4	1	1	28	1	3	1	17	1	1	3
OS2 47+00S	.1	1	1	34	1	13	1	46	1	2	2
OS2 48+00S	.1	1	1	17	1	8	1	43	1	4	7
OS2 49+00S	.1	1	1	24	1	1	1	22	1	2	2
OS2 50+00S	.1	1	1	32	1	6	1	28	1	4	4
OS2 51+00S -40	.1	1	3	23	1	5	1	35	1	5	6
OS2 52+00S	.1	1	3	51	1	1	1	37	1	2	1
OS2 53+00S	.1	1	2	16	1	4	1	27	1	2	2
OS2 54+00S	.1	1	1	56	1	3	1	26	1	2	2
OS2 55+00S	.4	1	2	20	1	4	1	22	1	1	1
OS2 56+00S	.1	1	1	10	1	3	1	16	1	1	2
OS2 57+00S	.1	1	1	10	1	4	1	11	1	1	5
OS2 58+00S	.1	1	1	15	1	4	1	16	1	1	6
OS2 59+00S	.1	1	1	14	1	4	1	18	1	1	2
OS2 60+00S	.1	1	1	16	1	2	1	14	1	1	10 ✓
OS2 61+00S	.6	1	1	181	1	10	1	17	1	1	2
OS2 62+00S	.2	1	1	7	1	14	1	25	1	1	1
OS2 63+00S -40	.3	1	1	8	1	6	1	33	1	1	2
OS2 64+00S	.2	1	1	21	1	4	1	33	1	1	3
OS2 65+00S	.4	1	1	57	2	9	1	51	1	1	4
OS2 66+00S	.1	1	1	14	1	6	1	31	1	1	2
OS2 67+00S	.1	1	1	25	1	4	1	38	1	1	1
OS2 68+00S	.1	1	1	8	1	4	1	32	1	1	3
OS2 69+00S -40	1.3	1	2	109	1	17	1	93	1	1	2
OS2 70+00S -40	.4	1	1	6	1	4	1	18	1	1	4
OS3 0+00S	.1	1	1	47	1	9	1	35	1	2	2
OS3 1+00S	.1	1	3	39	1	6	1	33	1	2	1
OS3 2+00S -40	.1	1	2	54	2	11	1	41	1	2	3
OS3 3+00S -40	.6	1	1	112	5	11	1	44	1	1	2
OS3 4+00S	.1	1	2	101	4	15	1	41	1	2	1
OS3 5+00S	.2	1	3	39	2	25	1	36	1	2	10 ✓
OS3 6+00S	.4	1	1	17	1	6	1	29	1	1	5
OS3 7+00S	.1	1	3	34	1	11	1	30	1	2	2
OS3 8+00S	.5	1	4	9	1	4	1	17	1	1	4
OS3 9+00S	.1	1	3	16	1	6	1	19	1	2	2
OS3 10+00S	.1	1	2	25	1	3	1	32	1	2	3
OS3 11+00S	.5	1	3	86	3	61	1	30	1	2	4
OS3 12+00S	.2	1	2	62	4	22	1	33	1	2	2
OS3 13+00S	.3	1	3	30	10	24	1	30	1	2	10 ✓
OS3 14+00S -40	.4	1	1	132	26	97	1	23	1	1	2
OS3 15+00S -40	1.2	1	1	226	5	92	1	22	1	1	2
TA 10+00E -40	.1	1	1	21	4	11	1	26	1	1	1
TA 11+00E	.2	1	1	28	1	7	1	30	1	1	41 ✓
TA 12+00E	.6	1	7	23	1	1	1	51	1	2	15 ✓
TA 13+00E -40	.2	1	2	6	1	1	1	12	1	1	4
TA 14+00E	.1	1	2	12	1	2	1	22	1	1	36 ✓

COMP: ARC RESOURCES LTD.
PROJ:
ATTN: ED MC CROSSAN

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0042-SJ5+6
DATE: 91/06/13
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BI PPM	CU PPM	MO PPM	PB PPM	SB PPM	ZN PPM	SN PPM	W PPM	AU PPB
TA 15+00E	.7	1	1	35	1	15	1	40	1	1	1
TA 16+00E	.6	1	1	9	1	5	1	17	1	1	2
TA 17+00E -40	.5	1	2	15	1	7	1	29	1	1	1
TA 18+00E	.9	1	3	134	1	10	1	59	1	2	3
TA 19+00E	1.1	1	3	51	1	13	1	40	1	2	2
TA 20+00E -40	.7	1	3	26	1	4	1	28	1	1	4
TA 21+00E -40	.3	1	1	78	5	5	1	47	1	2	1
TA 22+00E -40	.4	1	1	34	1	4	1	14	1	1	5
TA 23+00E	.3	1	1	11	1	3	1	19	1	1	2
TA 24+00E	.1	1	1	8	1	1	1	12	1	1	2
TA 25+00E -40	.4	1	2	13	1	1	1	19	1	1	1
TA 26+00E	.4	1	3	20	1	1	1	28	1	1	10
TA 27+00E	.1	1	1	21	1	1	1	17	1	1	4
TA 28+00E	.1	1	2	28	1	2	1	34	1	1	8
TA 29+00E	.2	1	2	17	1	3	1	15	1	1	4
TA 30+00E	.4	1	2	19	1	3	1	23	1	1	5
TA 31+00E	.4	1	1	58	2	8	1	26	1	1	2
TA 32+00E	.3	1	1	21	1	2	1	17	1	1	1
TA 33+00E	.5	1	2	12	1	5	1	13	1	1	2
TA 34+00E	.5	1	3	105	1	7	1	44	1	2	8
TA 35+00E	.5	1	2	19	1	3	1	22	1	1	2
TA 36+00E	.7	1	3	71	1	4	1	19	1	2	4
TA 37+00E	.1	1	2	21	4	1	1	17	1	1	2
TA 38+00E	.8	1	3	14	1	1	1	15	1	1	5
TA 39+00E -40	.5	1	2	13	1	2	1	16	1	2	2
TA 40+00E	.5	1	3	12	1	3	1	15	1	1	1
TA 41+00E -40	.5	1	2	5	1	1	1	11	1	1	6
TA 42+00E	.4	1	1	17	1	2	1	18	1	1	2
TA 43+00E -40	.2	1	1	40	1	5	1	29	1	2	1
TA 44+00E	.1	1	2	38	1	5	1	30	1	1	7
TA 45+00E -40	.3	1	1	10	1	2	1	16	1	1	2
TA 46+00E	.2	1	1	23	1	4	1	21	1	1	1
TA 47+00E	.5	1	2	27	1	4	1	24	1	2	2
TA 48+00E -40	.7	1	2	10	1	1	1	15	1	1	1
TA 49+00E -40	.2	1	1	6	1	2	1	11	1	1	3
TA 50+00E	.7	1	2	23	1	2	1	25	1	1	1
TA 51+00E	.1	1	3	16	1	1	1	16	1	2	1
TA 52+00E	.1	1	2	3	1	1	1	7	1	1	2
TA 53+00E	.4	1	3	22	1	1	1	22	1	2	3
TA 54+00E	.6	1	3	18	1	3	1	19	1	2	1
TA 55+00E	.4	1	3	18	1	1	1	24	1	2	1
TA 56+00E -40	.7	1	2	141	6	6	1	41	1	2	2
TA 57+00E	.5	1	3	84	3	5	1	38	1	2	2
TA 58+00E	.4	1	3	48	1	1	1	36	1	2	4
TA 59+00E	.5	1	2	74	3	5	1	30	1	2	1
TA 60+00E	.4	1	2	32	2	1	1	23	1	1	2
TA 60+00E	.3	1	2	157	7	6	1	45	1	2	3
TA 61+00E	.1	1	1	37	4	1	1	44	1	1	7
TA 62+00E	.3	1	2	101	12	5	1	33	1	2	1
TA 63+00E	1.0	1	3	8	1	2	1	11	1	1	3
TA 64+00E	1.0	1	3	17	2	2	1	22	1	1	4
TA 65+00E -40	1.0	1	2	21	1	10	1	42	1	2	1
TA 66+00E	.1	1	3	21	1	3	1	22	1	2	2
TA 67+00E	.5	1	3	16	1	1	1	22	1	2	4
TA 68+00E	.8	1	5	21	1	2	1	20	2	3	3

OSI

OSI 3

TAM - OSI

py/mal gossans

OSILINKA RIVER

HML 029I 55,11,33

HML 019I 4205,19,35

HML 099I 26100,24,07*

HML 039I 10550,20,53

HML 049I 161,16,49

HML 119I 7400,17,24

HML 069I 8431,2,19

HML 059I 4265,22,28

HML 079I 13250,23,54

HML 089I 638,24,24

LEGEND

- O HEAVY MINERAL CONCENTRATE SAMPLE (HML0191)
- • SOIL SAMPLE (OSI 0+00)
- × SILT " (OS2 47+90X)
- △ ROCK " (OSI 8+85R)
- 41, 2, 28 Au ppb, Ag ppm, Cu ppm

MAJOR GENERAL RESOURCES LTD.
VARITECH RESOURCES LTD.

OSI, TAM-OSI and OSI-3 CLAIMS

SAMPLE LOCATION & ASSAY VALUE MAP

N.T.S. 94C - 4E — OMINECA M.D., B.C.

0 100 500 1000 METRES

SCALE 1:12,500	DATE : DEC. 1991
DRAWN BY : E.M.	FIGURE Nº. 7

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CHONG

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