GEOCHEMICAL REPORT

on the

KMA CLAIMS

(KMA 1: 8701)

OMINECA MINING DIVISION

NTS 94D/15E, 10E

LATITUDE 56° 46'N

LONGITUDE 126° 35' W

for

MINGOLD RESOURCES INC.

405, 470 GRANVILLE STREET

VANCOUVER, B.C.

V6C 1V5

by

P. REYNOLDS, B.Sc.

AUGUST 12, 1990

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Summary

During the 1990 field season, Mingold Resources Inc. carried out a soil geochemistry and rock sampling program on the KMA claims in north - central B.C. A total of 207 soils and 7 rocks were collected and subsequently analyzed for gold, silver and copper.

The soil geochemical survey extended the previously defined copper anomaly to the north and south.

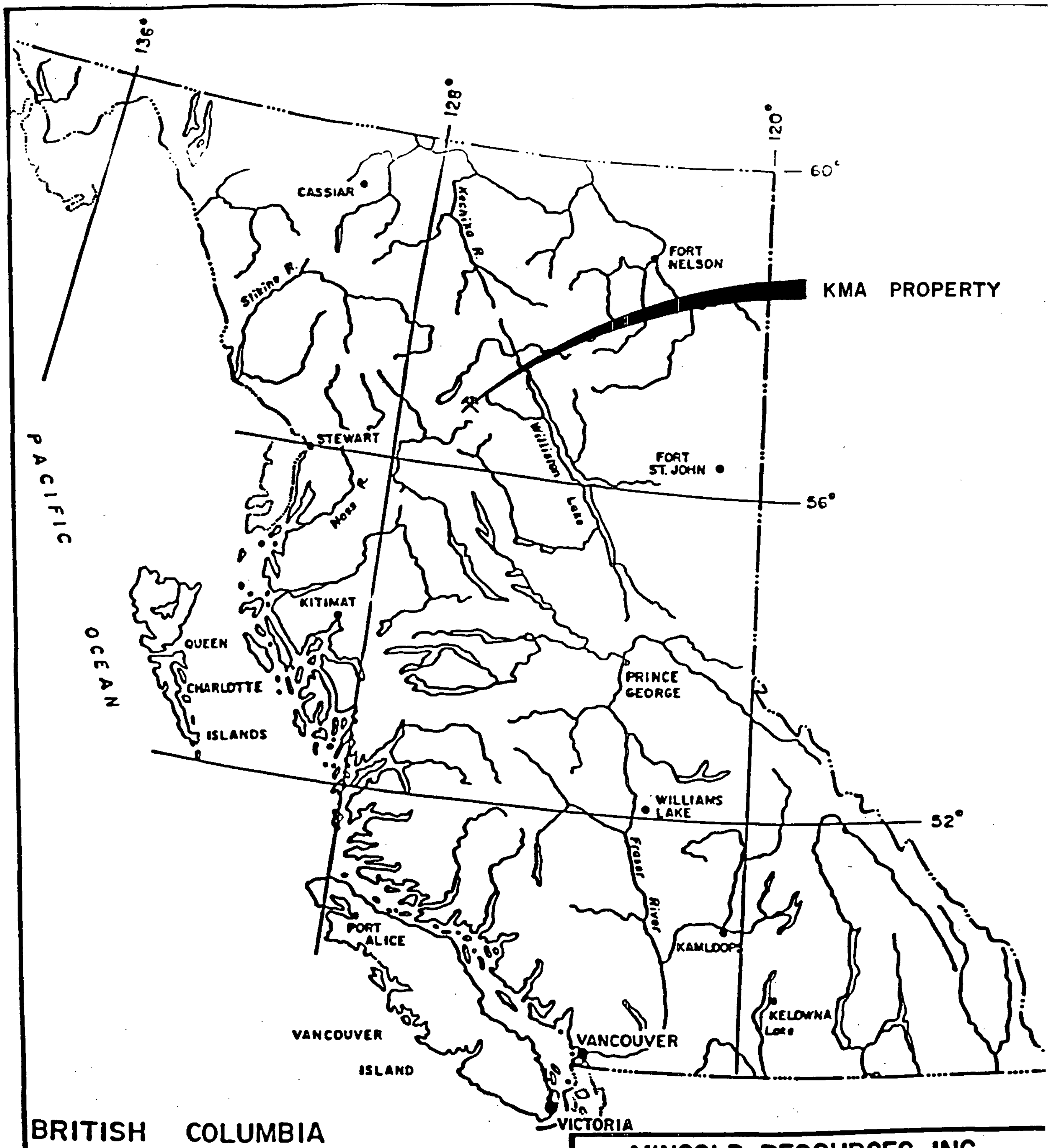
An area with anomalous gold in soil values was located at the northeast corner of the grid, along a ridge that drops steeply to the north. No soils were taken to the north of the ridge because of precipitous terrain.

Rock sampling located a new area with andesite float samples high in copper and gold. One stream sediment sample with anomalous gold was taken from the headwaters of Menard Creek on the eastern boundary of KMA 4.

Follow up prospecting, and soil sampling is necessary to locate the source of the float sample and stream sediment sample with anomalous gold values.

Introduction

During the period July 3 - 11, 1990, Mingold Resources Inc. carried out a rock sampling and soil geochemistry survey on the KMA claims in north central B.C. The purpose of this survey was to extend the previously known copper-gold geochemical anomaly and to locate new areas of copper-gold mineralization.



MINGOLD RESOURCES INC.		
KMA PROPERTY OMINECA M.D.		
LOCATION MAP		
SCALE: 1:7,500,000	DATE: October '88	N.T.S.: 94D/15E
		FIGURE No: 1

The details of this work are the subject of the following report.

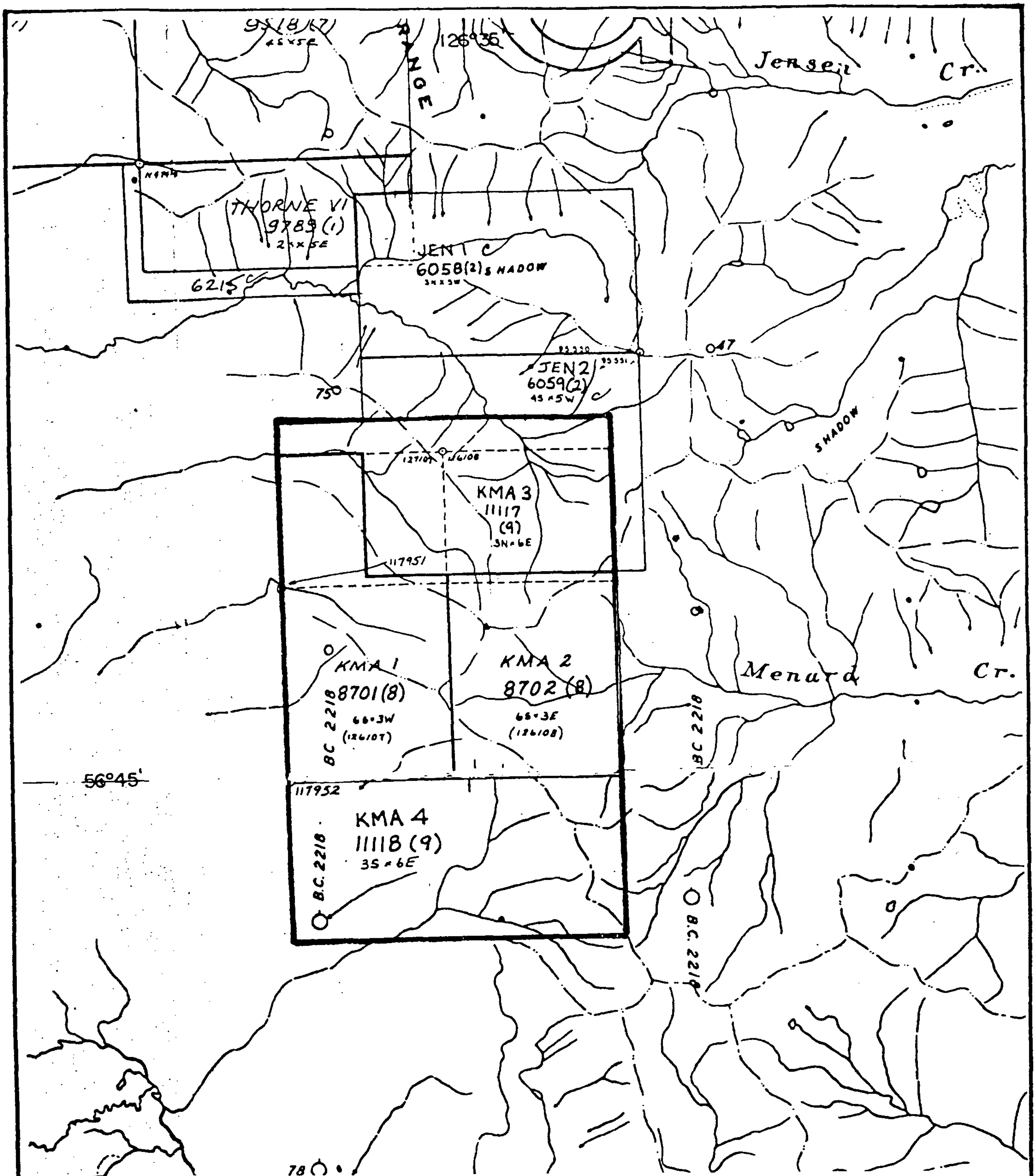
Location, Access & Physiography

The KMA 1-4 claims are located at the headwaters of the Ingenika River in north-central B.C. (fig. 1). They lie within the Omineca Mining Division at latitude 56° 46'N and longitude 126° 35' west on NTS mapsheets 94D/15E and 10E. Access to the area is via plane from Smithers, 250 kilometres to the south, or via the Omineca mine access road from Ft. St. James or Mackenzie, 400 kilometres to the southeast. A rough four-wheel drive access road heads eastward from the Moose Valley airstrip to the property. Due to heavy spring runoff and heavy rain, this road was washed out at Moose Valley thus access was gained by helicopter based at the Shasta property on Jock Creek.

The main area of interest occurs along the northern and western margins of a broad glacial cirque at the headwaters of Menard Creek which flows eastward into the Ingenika River. The cirque valley itself is a relatively gentle rise however it terminates in extremely steep, knife edged ridges up to 2200 metres in elevation.

The area is predominantly above tree line.

The climate is characterized by cool, damp summers with short periods of hot, dry weather. Winter temperatures range from -10°C to -40°C. Snow usually covers the area from late October to mid-May and reaches a maximum depth of one metre.



MINGOLD RESOURCES INC.

VANCOUVER OFFICE

KMA PROPERTY
CLAIM MAP

N.T.S. 94D-10E, 15E

OMINECA M.D., B.C.

DRAWN BY :	DATE : AUG. 1990	APPROVED BY :
	SCALE: 1:50,000 (0 — 1 — 2 KM.)	FIG. Nº. 2

Claim Status

The KMA claims consist of 72 units in four contiguous blocks (fig. 2). The KMA 3 claim overlaps the northern half of the KMA 1 and 2 claims. The claims are wholly owned by Mingold Resources Inc.

Claim information is as follows:

Claim Name	Units	Record Number	Expiry Date*	Mining Division
KMA 1	18	8701	08/20/91	Omineca
KMA 2	18	8702	08/20/91	Omineca
KMA 3	18	11117	09/16/92	Omineca
KMA 4	18	11118	09/17/92	Omineca

* Includes assessment presently being applied

History

Mineralization has been known in the Menard Creek area for many years. While mapping the area in the period 1941 - 1945, C.S. Lord of the Geological Survey of Canada sampled a sheared and brecciated zone about 5 feet (1.52 m) wide which ran 5.18% copper, 0.13 oz/t. gold and 3.59 oz/t. silver (Lord, 1948). Placer gold was reportedly found in McConnell Creek, 10 kilometres to the northeast, in 1989 and activities continue there at the present time.

W.D. Savage prospected the area for a number of years in the early sixties. In early 1966, under Savage's direction, a block of claims was staked to cover copper mineralization found in the Menard Creek area. Title to these claims known as the MARMOT group was subsequently acquired by New Wellington Mines Ltd. During 1966, New Wellington carried out geological mapping of the entire claims and an IP survey was conducted over 5 claims. Eleven bulldozer trenches (762 meters total) were done as well as 10 acres of bedrock stripped. Access roads and temporary buildings were constructed.

In 1967, work was continued on the access roads (32 km) and permanent camp facilities were erected. Geological, geochemical and I.P. surveys were carried out and 1.6 kilometres of bulldozer trenching was completed. One drill hole was completed to a depth of 15 meters when bad weather prevented its continuation.

Further stripping of the mineralized zone was done in 1968, along with extensive prospecting.

In 1969, Texada Mines Ltd. optioned the ground and stripped 100,000 square feet (9290 m^2) of bedrock and constructed 8 kilometres of road with a bulldozer. 2066 soil samples were taken and a geological survey was done over the entire claim block. A total of 783 feet (239 m.) of drilling was done in 5 AWL holes.

From 1970 to 1972, there is no record of any further work on the claims.

In 1973, Wesfrob Mines Ltd. optioned the claims and flew 188 line-miles (300 Line-kilometres) of airborne EM and magnetometer survey over the claims and surrounding area. In addition, five holes totalling 900 feet (274 m.) were drilled. At this same time, B.N. Church of the Geological

Survey undertook a detailed analysis of the Takla rocks around the MARMOT claims (Church, 1973).

No evidence of continued exploration can be found for the period from 1974 to 1986.

In 1987, as part of a gold-copper property search, Mingold Resources Inc. examined and subsequently staked the MARMOT mineralized zone as the KMA claims. Only preliminary rock sampling and prospecting was completed before prior commitments required crews to be moved out of the area.

In 1988, Mingold had a four man crew in the area which carried out additional rock sampling, prospecting and soil sampling. In 1989, Mingold staked the KMA 3 and KMA 4 claims.

Regional Geology

The KMA claims occur within the central part of the Omineca Crystalline Belt which is one of two assemblages of plutonic and volcanic rocks extending the length of B.C. The area is dominated by andesitic and basaltic rocks of the Upper Triassic Takla Group and granitic rocks of the Jurassic to Cretaceous Omineca Intrusions. The property lies along the western boundary of the Omineca Intrusions within the Takla Group volcanics. Rock exposures are typically restricted to ridge tops with the deep incised valleys filled with glacial drift and alluvium.

The main structural feature of the area is the northwest trending Omineca Fault, which is the northern extension of the Pinchi Fault. Several north - northwest trending faults have been recognized in the area of the KMA claims.

Property Geology & Mineralization

The KMA claims are underlain by Upper Triassic Takla Group volcanics (fig. 3). The author recognized two lithological units on the property: an upper plagioclase rich andesite porphyry and a lower olivine basalt.

The upper unit is characterized by euhedral plagioclase crystals up to two centimetres long in a fine-grained grey to green matrix. Adjacent to shear zones, wide envelopes of epidote alteration are developed.

The lower unit is exposed to the South of Marmot Ridge. This unit is a very dense, dark green to black olivine basalt with 2 - 5% associated magnetite.

Diorites of the Jurassic age Omineca Intrusions outcrop to the east of the claims.

Conglomerates, probably of the Sustut Group sediments, were found in float but not in outcrop. Sustut rocks originally overlay the Takla volcanics but have been erroded away locally.

Copper-gold mineralization is found in and immediately adjacent to northwest trending shear zones cutting epidote altered andesite porphyry. Sulphide minerals include chalcopyrite, bornite and covellite. Oxide minerals include malachite and minor azurite.

Geochemical Survey

During the 1990 field season, Mingold Resources Inc. carried out a geochemical survey over a portion of the claims. Work done included:

- 5.2 kilometres flagged grid
- 207 soil samples
- 7 rock samples

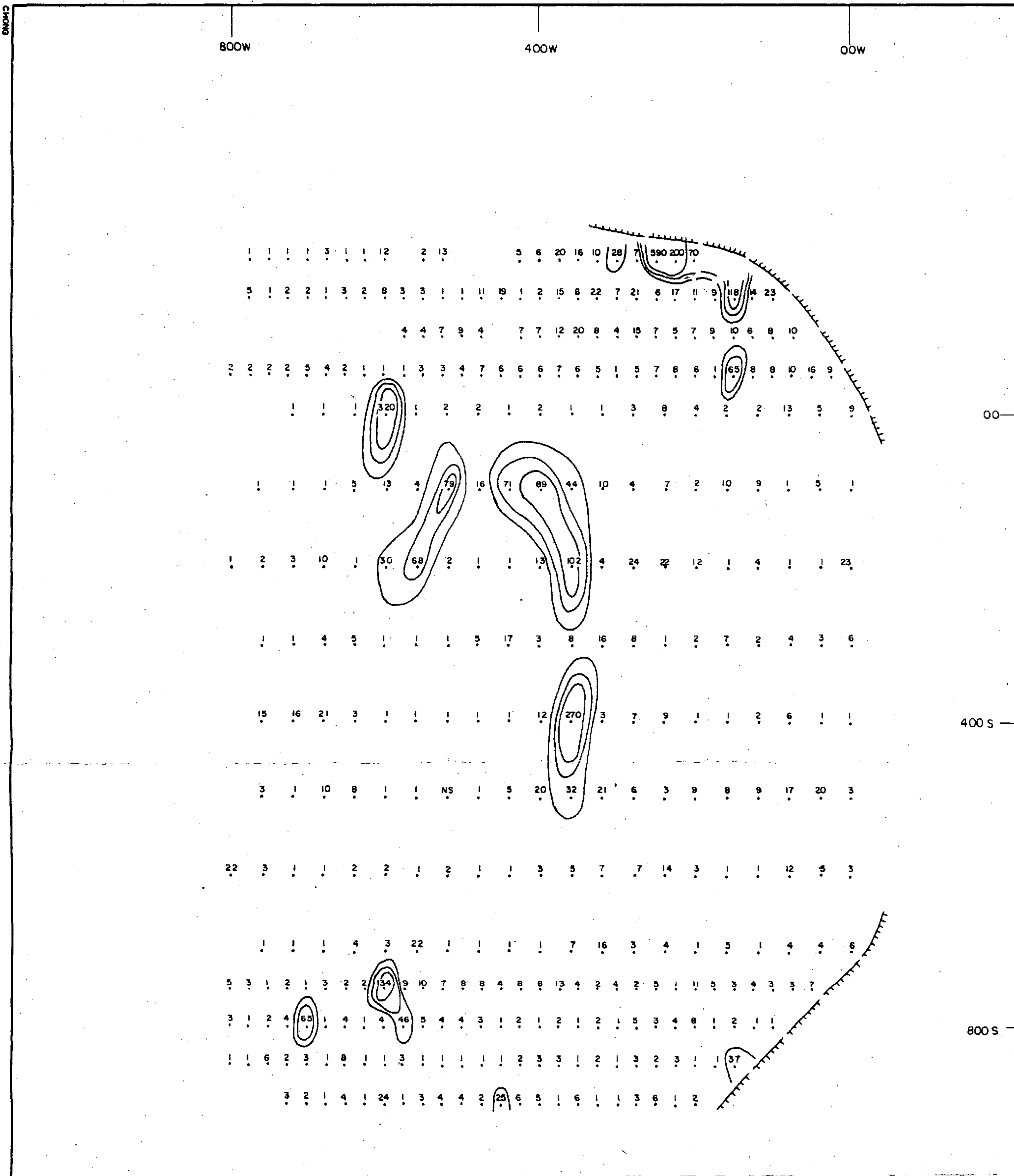
Grid lines were put in at 50 metre intervals running 055° with stations every 25 metres. The ground slopes approximately 30° to the southwest in the grid area. The northeastern corner of the grid ends on Marmot Ridge where it drops off very steeply to the north. Samples were collected from the B horizon where present. Due to steep slopes, in many cases it was necessary to use the A (organic) horizon or the C (talus fines) horizon. Soils were placed in gusseted wet-strength kraft bags, air dried and shipped to Acme Analytical Labs in Vancouver, B.C. for analysis.

All soils and rocks were analyzed by 30 element ICP and geochemical gold (A.A.). Detailed analytical techniques are included in appendix II.

Gold, silver and copper values are plotted on figures four, five and six.

Results

The soil sample results are plotted on figures four, five and six. Rock samples are plotted on figure three.



LEGEND

134 Au , ppb

Contours at 25, 50, 75 ppb

Cliff

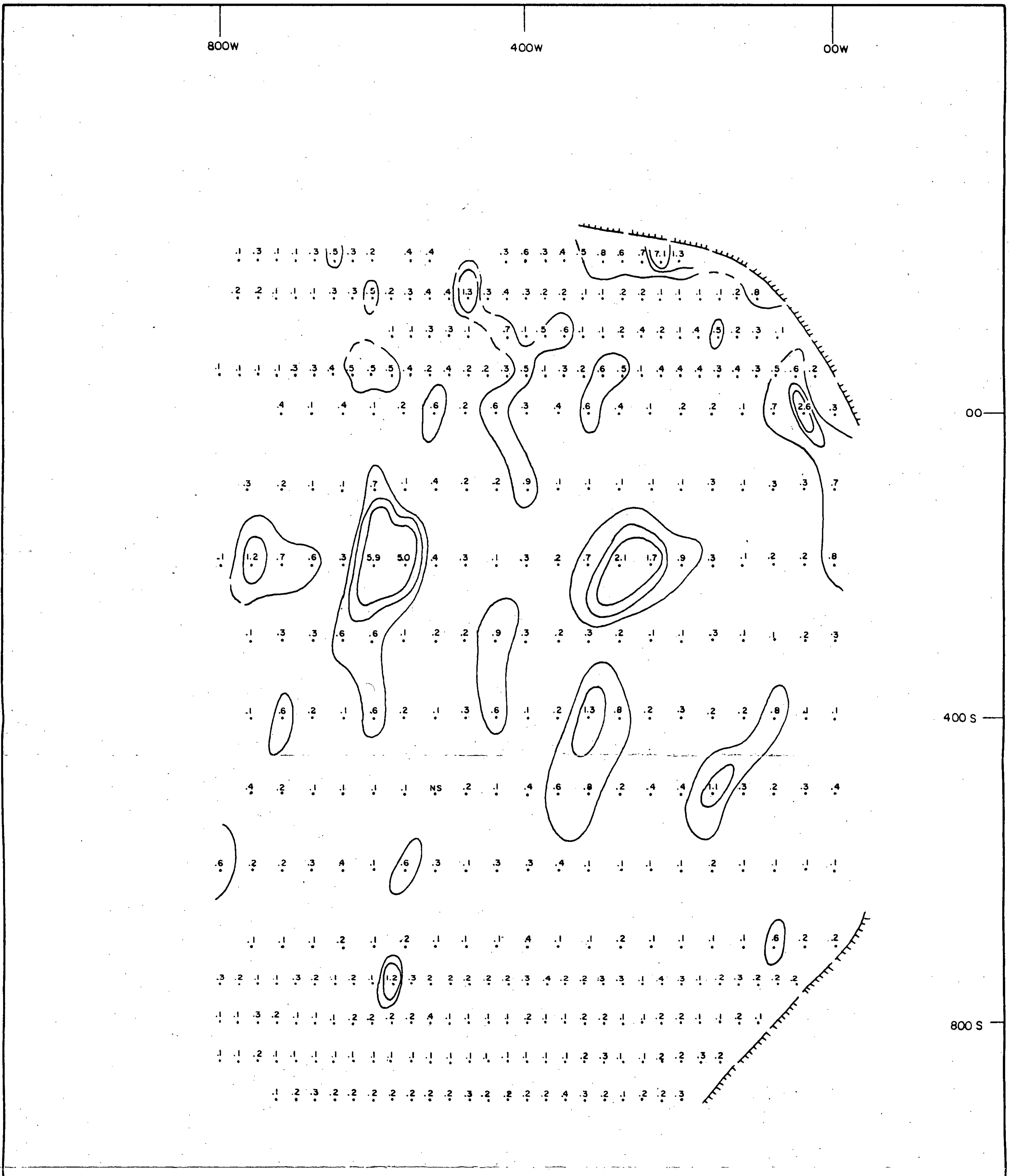
N

MINGOLD RESOURCES INC.
VANCOUVER OFFICE

KMA PROPERTY
SOIL GEOCHEMISTRY - Au

N.T.S. 94 D -15E

DRAWN BY:	DATE: JULY 1990	SCALE 1:5000
0 100 200 300 METRES		FIG. Nº 4

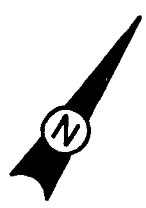


LEGEND

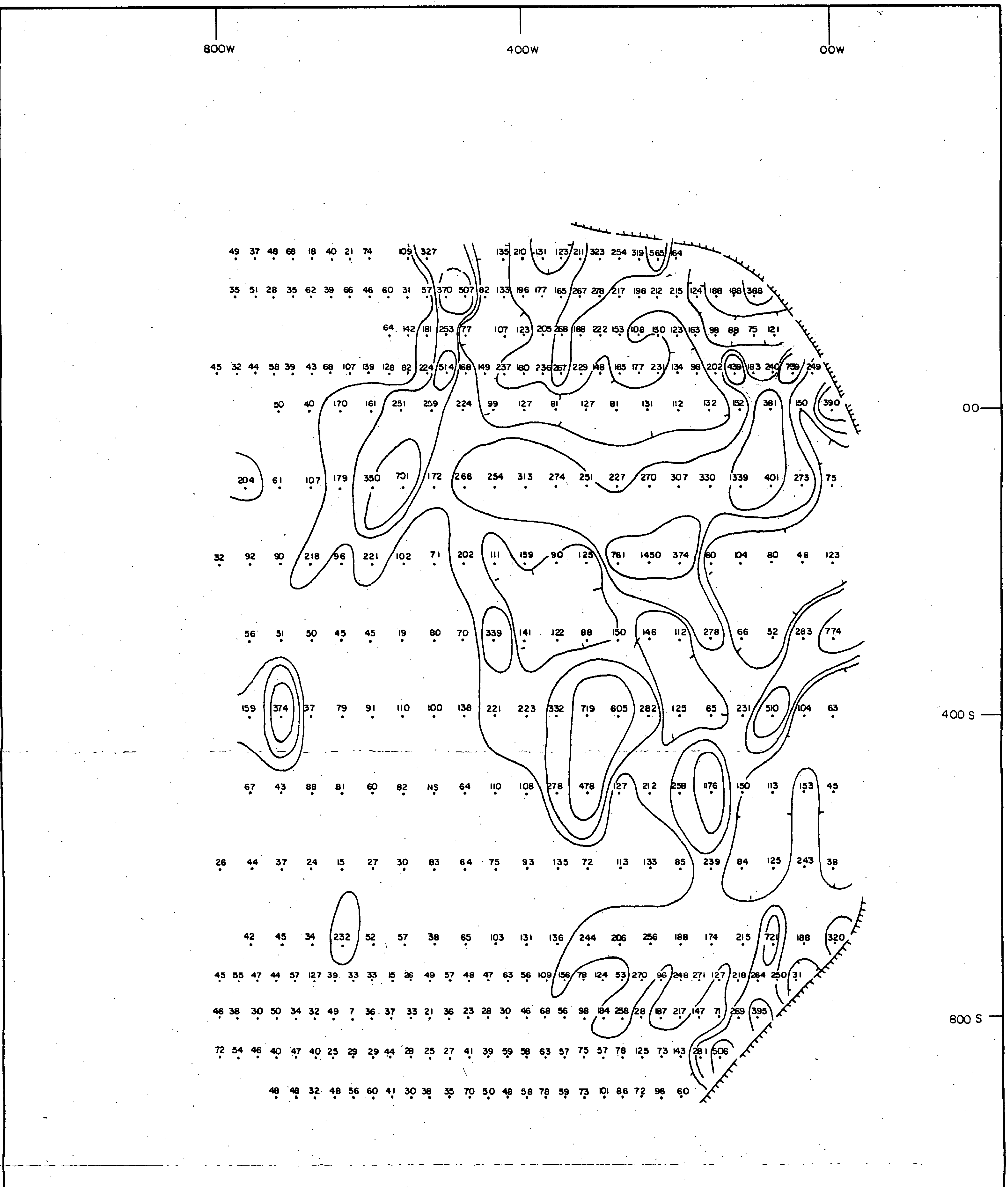
1.0 Ag, ppm

Contours at .5, 1.0, 1.5 ppm

Cliff



MINGOLD RESOURCES INC.		
VANCOUVER OFFICE		
KMA PROPERTY SOIL GEOCHEMISTRY – Ag		
N.T.S. 94 D-15E		
DRAWN BY :	DATE : JULY 1990	SCALE 1:5000
0 100 200 300 METRES		FIG. Nº 5



LEGEND

250 Cu, ppm

Contours at 150, 250, 350 ppm.

Cliff

MINGOLD RESOURCES INC.
VANCOUVER OFFICE

KMA PROPERTY
SOIL GEOCHEMISTRY – Cu

N.T.S. 94 D-15E

DRAWN BY:	DATE: JULY 1990	SCALE 1:5000
0 100 200 300 METRES		FIG. Nº 6

Almost all of the northern half of the grid shows weakly anomalous copper values. The highly anomalous values (>350 p.p.m.) suggest several subparallel north trending mineralized zones occurring along shear zones within a lower grade porphyry style environment.

Gold anomalies are concentrated along a north trending line from 7+50S, 6+00W to 2+00N, 2+50W. The west trending anomaly at 1+50S, 3+75W may be due to downslope dispersion. The north trending gold anomaly, though within the anomalous copper zone, suggests that gold mineralization is associated with late stage faulting and not related to the copper mineralization.

Low silver values are scattered across most of the grid.

Float and sediment samples to the south of Marmot Ridge suggest the possibility of gold mineralization in this area. Sample R094D15034F, an epidote altered andesite float with visible chalcopyrite, bornite, covellite and malachite ran 0.844 oz/ton gold, 1.03 oz/ton silver and 1.08% copper. Stream sediment sample R094D15035S ran 440 p.p.b. gold. This stream flows eastward from the eastern boundary of KMA 4 at 6E, 2S. The sample was taken only 200 metres from the beginning of the stream.

Conclusion & Recommendations

The 1990 geochemical survey was successful in extending the previously discovered gold soil anomaly to the north and delineating an area of possible gold mineralization to the south of Marmot Ridge.

The soil grid should be extended approximately 1200 metres to the south. Follow up prospecting, geological mapping and rock sampling is necessary to determine the source of the float sample that ran 0.844 oz/ton gold and to locate the source of the anomalous stream sediment sample.

The area to the north of Marmot Ridge, in particular the base of the cliffs near the north end of the soil grid, requires prospecting to determine the source and possible extension of the gold soil anomaly.

Finally every effort should be made to locate data from previous exploration programs in the claim area. E.M. and magnetometer survey results may help locate host structures.

P. Reynolds, B.Sc.

BIBLIOGRAPHY

Church, B.N. MARMOT (94D-5) in Geology, Exploration and Mining in B.c. 1973 p.p. 434-443

Taylor, K.J. Prospecting and Soil Geochemistry on the KMA 1 & 2 Claims, Omineca Mining Division Assessment Report. October 15, 1988.

CERTIFICATE

I, Paul Reynolds, of the City of Vancouver in the Province of British Columbia do hereby certify that:

1) I am a graduate of the University of British Columbia with a B.Sc. degree in geology.

2) I have practiced my profession as exploration geologist since graduation in 1987.

3) I supervised the work on the KMA claims.

4) I have no interest in the property or in Mingold Resources Inc.

Dated this 12th day of August, 1990.

P. Reynolds, B.Sc.

APPENDIX I

STATEMENT OF COSTS

KMA CLAIMS

Wages:	
P. Reynolds (geologist)*	
July 1-15: 15 days @ $150/day	2,250.00
G. McCrady (field assistant)	
July 4-11: 7 days @ $120/day	840.00
R. Weishaupt (mining technician)	
July 8-11: 4 days @ $120/day	480.00
	3,570.00
Helicopter Charter:	
7.9 Hrs @ $670/hr	5,293.00
Truck Rental (including fuel):	
15 days @ $50/day	750.00
Analytical Costs:	
207 soil samples & 7 rock samples	1,827.00
Room & Board:	
26 man days @ $35/man day	910.00
Field Equipment	150.00
Drafting	250.00
Report Preparation (typing, printing)	100.00
TOTAL	12,850.00

* Includes report writing

APPENDIX II

ASSAY SHEETS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Mingold Resources Inc. PROJECT KMA File # 90-2491 Page 1

Suite 405 The Rogers Building, 470 Granville St., Vancouver BC V6C 1V5 Submitted by: PAUL REYNOLDS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
C 29733	2	3441	7	33	4.7	11	1	347	1.90	9	5	ND	1	85	.2	2	2	31	1.53	.027	2	15	.41	16	.12	2	.78	.01	.01	1	420
C 29734	2	18	2217	357	.6	9	4	189	.77	6	5	ND	1	61	61.4	2	3	27	3.22	.014	2	11	.30	40	.06	2	.89	.01	.01	1	108
C 29735	1	2272	2	19	2.1	20	3	569	1.35	2	5	ND	1	35	.2	2	2	28	5.37	.020	2	36	.65	27	.01	5	.83	.01	.05	1	28
C 29736	1	44523 ✓	8	67	16.6	22	22	909	4.11	7	5	ND	1	45	3.3	2	15	135	3.00	.068	2	40	2.77	5	.23	7	2.82	.02	.01	1	48
R094D15033R	1	5518	2	419	.6	24	32	1838	7.21	10	5	ND	1	34	3.2	2	2	157	2.71	.090	4	69	3.31	15	.13	2	3.66	.01	.03	1	33
R094D15034F	1	11134 ✓	15	33	29.2 ✓	28	6	603	3.51	10	5	54	1	39	1.2	2	7	136	5.22	.019	2	84	1.74	8	.15	4	2.72	.01	.01	1	46500
R094D15035S	1	322	2	71	3.6	29	23	969	5.82	12	5	ND	1	37	1.6	2	4	152	1.49	.074	5	77	2.33	30	.25	2	2.19	.04	.04	1	440
STANDARD C	18	58	38	132	7.2	68	28	1025	4.00	41	21	7	36	52	18.6	15	22	56	.51	.093	36	58	.92	182	.07	32	1.91	.06	.14	12	-

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1 Rock P2-P7 Soil AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUL 13 1990 **DATE REPORT MAILED:** July 19/90 **SIGNED BY**.[illegible].D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

✓ ASSAY RECOMMENDED

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L2+00N 7+75W	1	49	15	122	.1	11	19	961	6.35	19	6	ND	2	113	.4	3	2	170	1.12	.043	13	23	.93	272	.07	2	3.78	.02	.14	1	1
L2+00N 7+50W	1	37	9	104	.3	13	14	672	5.47	13	5	ND	1	97	.5	3	2	141	.78	.063	8	28	.97	249	.04	2	4.13	.01	.13	1	1
L2+00N 7+25W	1	48	12	117	.1	9	14	728	5.81	11	6	ND	1	128	.4	2	2	154	1.30	.069	18	16	.87	290	.04	2	3.73	.01	.13	1	1
L2+00N 7+00W	1	68	10	119	.1	8	20	918	6.69	17	5	ND	3	157	.4	3	2	169	1.03	.016	13	12	1.15	288	.03	2	4.13	.01	.14	1	1
L2+00N 6+75W	1	18	15	102	.3	3	7	474	6.34	12	6	ND	1	49	.2	4	3	162	.16	.071	6	12	.53	270	.05	2	4.76	.01	.11	1	3
L2+00N 6+50W	1	40	16	128	.5	7	15	820	7.73	17	5	ND	2	55	.4	4	3	187	.12	.062	9	13	.84	307	.04	2	4.84	.01	.12	1	1
L2+00N 6+25W	1	21	14	125	.3	5	10	446	6.67	15	5	ND	1	39	.4	3	2	177	.18	.066	8	13	.59	198	.03	2	4.35	.01	.13	1	1
L2+00N 6+00W	1	74	15	97	.2	24	17	995	5.17	12	5	ND	1	122	.4	3	2	113	1.29	.071	9	68	1.68	205	.19	3	3.84	.02	.12	1	12
L2+00N 5+50W	1	109	18	116	.4	27	17	1412	4.68	12	5	ND	1	97	.4	4	2	102	1.05	.073	15	68	1.35	229	.08	2	3.82	.01	.13	1	2
L2+00N 5+25W	1	327	30	126	.4	20	18	1346	5.04	18	5	ND	1	63	.5	4	2	109	.74	.101	11	47	1.60	159	.11	2	4.00	.01	.13	1	13
L2+00N 4+25W	1	135	15	95	.3	11	14	1135	4.03	8	6	ND	1	115	.6	4	2	66	1.88	.180	11	20	.95	186	.06	2	4.73	.01	.14	1	5
L2+00N 4+00W	1	210	24	129	.6	33	20	1100	6.02	14	6	ND	2	76	.4	6	2	148	1.04	.065	11	76	1.89	121	.19	2	4.36	.01	.10	1	6
L2+00N 3+75W	1	131	25	144	.3	30	17	1038	6.23	15	5	ND	1	81	.8	4	2	152	.69	.084	11	75	1.77	128	.15	2	4.50	.01	.07	1	20
L2+00N 3+50W	1	123	30	139	.4	29	18	1177	5.97	17	7	ND	1	71	.7	4	2	153	.70	.092	7	75	1.73	147	.12	2	3.72	.01	.09	1	16
L2+00N 3+25W	1	211	43	179	.5	40	24	1339	6.46	22	6	ND	1	84	.7	4	2	165	.86	.075	8	93	2.48	87	.20	2	4.08	.01	.08	1	10
L2+00N 3+00W	1	323	29	150	.8	42	26	1694	6.77	33	9	ND	1	63	.8	4	2	163	.81	.061	11	98	2.88	70	.16	2	4.92	.01	.13	1	28
L2+00N 2+75W	1	254	54	201	.6	42	26	1978	6.37	23	5	ND	1	86	1.2	3	2	166	1.28	.121	8	107	2.33	114	.13	2	3.94	.01	.08	1	7
L2+00N 2+50W	1	319	84	245	.7	51	29	2149	6.76	41	5	ND	1	73	1.7	5	3	173	.92	.103	8	126	2.64	101	.15	2	4.09	.01	.08	1	590
L2+00N 2+25W	1	565	497	1094	7.1	78	36	7061	7.43	121	6	ND	3	67	18.1	6	2	165	.90	.074	13	182	3.25	90	.17	2	4.40	.01	.09	1	200
L2+00N 2+00W	1	164	360	336	1.3	34	22	2174	5.48	42	5	ND	1	111	3.7	5	2	143	1.16	.067	10	61	1.94	95	.18	3	3.40	.01	.11	1	70
L1+50N 7+75W	1	35	18	128	.2	14	15	728	6.16	11	5	ND	1	93	.5	2	2	141	.72	.059	8	33	1.00	254	.07	2	3.53	.01	.06	1	5
L1+50N 7+50W	1	51	8	93	.2	8	16	534	6.66	32	5	ND	1	412	.3	2	2	177	.33	.057	5	19	1.09	998	.07	2	5.76	.02	.06	1	1
L1+50N 7+25W	1	28	9	122	.1	7	14	849	6.50	27	5	ND	1	93	.2	2	2	190	.37	.088	8	14	.85	301	.07	2	4.32	.01	.11	1	2
L1+50N 7+00W	2	35	18	91	.1	5	11	744	5.29	2	5	ND	1	77	.2	2	4	143	.35	.110	6	8	.66	286	.03	2	4.42	.02	.05	9	2
L1+50N 6+75W	1	62	11	109	.1	7	18	1049	6.02	11	5	ND	4	217	.5	2	2	151	.85	.016	13	10	1.24	348	.03	2	3.75	.01	.10	1	1
L1+50N 6+50W	1	39	11	89	.3	6	21	939	5.79	22	6	ND	4	118	.2	2	2	165	.76	.023	11	10	.61	216	.04	2	2.90	.01	.15	1	3
L1+50N 6+25W	1	66	7	97	.3	21	13	541	4.60	14	5	ND	1	92	.2	2	2	119	1.14	.059	9	55	1.10	160	.10	2	3.76	.02	.08	1	2
L1+50N 6+00W	1	46	10	100	.5	16	9	394	3.30	12	5	ND	1	90	.3	2	2	87	1.00	.146	8	56	.94	165	.04	2	3.69	.01	.09	1	8
L1+50N 5+75W	1	60	10	111	.2	15	13	866	4.53	11	5	ND	1	102	.2	3	2	106	1.38	.091	10	43	1.29	193	.11	3	4.34	.01	.09	1	3
L1+50N 5+50W	1	31	6	99	.3	7	9	570	3.47	10	5	ND	1	112	.2	3	3	80	1.77	.153	11	20	.97	204	.06	2	4.69	.02	.05	1	3
L1+50N 5+25W	1	57	13	102	.4	7	10	728	4.13	9	5	ND	1	90	.4	4	2	88	1.02	.096	10	18	.97	648	.11	2	4.35	.02	.15	1	1
L1+50N 5+00W	1	370	15	135	.4	22	16	1284	5.01	14	5	ND	1	66	.6	6	2	119	.88	.090	9	44	1.69	138	.17	2	3.40	.01	.10	1	1
L1+50N 4+75W	1	507	38	204	1.3	19	30	2544	7.82	17	8	ND	1	53	.9	4	4	222	.72	.145	5	61	1.88	128	.10	2	4.18	.01	.08	1	11
L1+50N 4+50W	1	82	18	108	.3	11	14	1527	4.07	10	5	ND	1	89	.2	2	4	108	1.12	.144	12	19	1.00	135	.08	2	2.93	.01	.13	1	19
L1+50N 4+25W	1	133	23	156	.4	22	14	1012	5.18	18	5	ND	1	71	.6	2	2	151	.94	.147	6	71	1.26	167	.09	2	2.84	.01	.09	1	1
L1+50N 4+00W	1	196	22	158	.3	25	14	1169	4.82	12	5	ND	1	54	.6	4	2	133	.41	.132	10	64	1.41	93	.09	2	4.21	.01	.04	1	2
STANDARD C/AU-S	18	57	39	132	7.1	70	31	1019	3.99	39	22	7	38	53	19.0	16	21	56	.51	.094	37	58	.93	179	.09	34	1.96	.06	.13	13	49

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L1+50N 3+75W	1	177	32	177	.2	31	20	1359	6.36	17	5	ND	1	75	1.9	2	2	160	.66	.123	7	78	1.82	114	.09	2	3.59	.01	.08	1	15
L1+50N 3+50W	1	165	16	162	.2	26	18	1119	5.82	12	5	ND	1	72	.6	3	2	145	.67	.153	9	78	1.69	115	.07	7	3.60	.02	.07	1	8
L1+50N 3+25W	1	267	15	150	.1	36	22	1274	6.58	19	5	ND	1	74	1.6	2	2	160	.82	.080	8	96	2.16	91	.15	6	3.93	.01	.06	1	22
L1+50N 3+00W	1	278	29	184	.1	33	22	2179	5.98	20	5	ND	1	76	1.3	4	2	160	.97	.234	12	79	1.76	115	.07	2	4.05	.01	.06	1	7
L1+50N 2+75W	1	217	40	226	.2	44	26	1697	6.64	28	5	ND	1	79	1.4	2	2	168	.87	.109	7	99	2.37	88	.13	5	3.81	.01	.07	1	21
L1+50N 2+50W	1	198	30	157	.2	34	25	1745	5.87	17	5	ND	1	86	1.8	5	2	144	1.18	.178	11	71	2.07	115	.10	6	3.79	.01	.07	1	6
L1+50N 2+25W	1	212	24	147	.1	41	24	1290	6.04	18	5	ND	1	95	2.3	4	3	143	1.19	.105	8	79	2.27	97	.18	5	3.41	.01	.07	1	17
L1+50N 2+00W	1	215	22	161	.1	36	22	1562	5.72	15	5	ND	1	93	.8	3	3	138	1.16	.128	10	66	1.92	140	.11	6	3.67	.01	.09	1	11
L1+50N 1+75W	1	124	22	120	.1	29	19	1411	5.47	12	5	ND	1	73	1.1	3	2	129	.74	.109	9	66	1.27	138	.09	3	3.54	.01	.07	1	9
L1+50N 1+50W	1	188	45	151	.1	31	21	1710	5.63	13	5	ND	1	90	2.0	2	7	137	.79	.133	9	62	1.63	167	.08	2	3.77	.02	.08	1	118
L1+50N 1+25W	1	188	38	136	.2	33	19	1283	5.15	17	5	ND	1	71	1.5	4	5	118	.85	.097	9	63	1.41	149	.10	3	3.48	.02	.09	2	14
L1+50N 1+00W	1	388	97	244	.8	26	21	2482	5.17	61	5	ND	1	64	.9	3	2	116	.92	.172	12	61	1.35	169	.05	9	3.23	.01	.11	1	23
L1+00N 5+75W	2	64	14	120	.1	25	15	731	5.66	6	5	ND	1	58	1.2	2	5	123	.61	.071	6	66	1.22	144	.11	7	3.99	.02	.06	6	4
L1+00N 5+50W	1	142	11	94	.1	17	15	1077	5.07	6	5	ND	1	71	1.2	3	2	94	1.08	.083	10	43	1.45	140	.10	2	3.58	.02	.12	1	4
L1+00N 5+25W	1	181	4	84	.3	28	19	862	4.89	13	5	ND	1	93	.5	3	3	98	.95	.097	6	76	1.67	87	.12	8	3.94	.02	.08	1	7
L1+00N 5+00W	1	253	29	132	.3	24	15	1482	5.44	24	5	ND	1	38	.4	2	2	128	.33	.134	5	54	1.29	113	.04	2	3.92	.01	.10	1	9
L1+00N 4+75W	2	77	25	87	.1	20	9	947	4.78	2	5	ND	1	38	.2	2	10	108	.39	.114	5	49	.88	79	.07	2	2.76	.01	.05	8	4
L1+00N 4+25W	1	107	19	89	.7	12	10	1669	4.56	3	5	ND	1	52	.6	2	2	158	.37	.181	9	43	.50	132	.04	3	3.53	.01	.06	1	7
L1+00N 4+00W	1	123	11	154	.1	23	18	2147	6.02	8	5	ND	1	69	1.3	2	2	154	.51	.131	7	62	1.55	107	.09	6	3.60	.01	.09	1	7
L1+00N 3+75W	1	205	19	148	.5	32	18	1274	5.89	13	5	ND	1	80	2.3	2	4	149	.85	.143	7	62	1.88	113	.11	2	4.09	.01	.08	1	12
L1+00N 3+50W	1	268	18	160	.6	42	21	1167	6.62	22	5	ND	1	70	1.7	2	3	163	.71	.073	7	101	2.17	80	.15	7	4.11	.01	.05	1	20
L1+00N 3+25W	1	188	22	166	.1	32	19	1330	6.23	9	5	ND	1	71	1.1	2	2	154	.74	.145	8	85	1.83	127	.08	5	3.62	.01	.07	1	8
L1+00N 3+00W	1	222	24	165	.1	31	18	1252	5.36	12	5	ND	1	77	1.6	2	2	136	1.24	.186	13	67	1.69	168	.06	4	3.80	.02	.07	1	4
L1+00N 2+75W	1	153	26	144	.2	35	19	1093	6.06	19	5	ND	1	67	1.4	2	2	146	.81	.096	7	83	1.74	126	.13	3	3.70	.02	.06	1	15
L1+00N 2+50W	1	108	48	126	.4	22	17	2544	4.23	6	5	ND	1	75	.8	2	2	126	1.71	.414	6	54	.83	200	.05	3	2.61	.02	.07	1	7
L1+00N 2+25W	1	150	34	136	.2	34	19	1166	5.74	17	5	ND	1	62	2.0	2	2	138	.97	.091	9	87	1.48	124	.11	2	3.60	.02	.07	1	5
L1+00N 2+00W	1	123	17	99	.1	21	14	1044	5.52	7	5	ND	1	67	.9	2	2	128	.91	.157	9	69	1.17	185	.06	4	3.24	.02	.07	2	7
L1+00N 1+75W	1	163	34	105	.4	14	12	2152	3.68	14	5	ND	1	63	.8	3	2	99	1.09	.474	13	43	.57	244	.03	7	2.61	.01	.09	1	9
L1+00N 1+50W	1	98	40	131	.5	16	14	3112	4.03	18	5	ND	1	53	1.6	2	2	108	.49	.407	7	55	.53	239	.04	5	2.93	.01	.07	1	10
L1+00N 1+25W	1	88	32	92	.2	20	12	1224	4.57	11	5	ND	1	54	1.0	2	2	113	.67	.199	7	58	.74	197	.04	5	2.98	.02	.06	1	6
L1+00N 1+00W	1	75	7	80	.3	31	16	771	5.04	15	5	ND	2	51	2.4	6	2	118	.75	.086	9	77	1.06	139	.12	8	3.31	.02	.06	1	8
L1+00N 0+75W	1	121	12	101	.1	28	18	1164	5.24	23	5	ND	1	62	.6	2	2	121	.79	.094	10	69	1.19	196	.08	6	3.89	.02	.08	1	10
L0+50N 8+00W	4	45	8	160	.1	18	16	1658	5.49	4	5	ND	1	63	.8	2	2	135	.74	.081	7	32	.74	201	.02	2	3.42	.01	.10	1	2
L0+50N 7+75W	2	32	7	146	.1	13	10	619	5.07	14	5	ND	1	88	1.2	2	2	128	1.64	.128	7	22	.73	314	.02	2	3.45	.01	.07	1	2
L0+50N 7+50W	2	44	16	160	.1	11	12	848	5.06	6	5	ND	1	96	2.2	2	2	126	1.90	.075	7	29	.85	224	.05	2	3.33	.02	.07	1	2
L0+50N 7+25W	2	58	2	125	.1	17	14	760	4.71	6	5	ND	1	103	2.3	2	2	115	1.22	.065	9	45	.95	242	.05	7	3.65	.02	.09	1	2
STANDARD C/AU-S	18	57	40	132	7.2	69	30	1019	4.16	44	23	7	37	53	18.6	15	19	56	.53	.097	37	59	.94	180	.07	36	2.00	.06	.14	11	47

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L0+50N 7+00W	1	39	13	83	.3	21	11	576	5.52	3	5	ND	1	45	.2	2	3	135	.46	.083	7	64	.84	120	.16	3	3.22	.02	.08	2	5
L0+50N 6+75W	1	43	12	100	.3	26	13	473	5.21	2	5	ND	1	43	.3	3	2	115	.50	.071	7	61	1.12	98	.17	5	3.54	.02	.08	1	4
L0+50N 6+50W	3	68	14	116	.4	24	11	653	4.93	15	5	ND	2	46	.3	3	2	111	.39	.142	7	63	.89	92	.10	5	4.00	.01	.10	1	2
L0+50N 6+25W	1	107	17	77	.5	17	9	381	3.40	2	5	ND	2	92	.2	2	2	93	.42	.099	8	59	.77	345	.10	5	3.45	.02	.10	2	1
L0+50N 6+00W	1	139	16	114	.5	27	15	860	5.37	9	6	ND	2	78	.3	2	2	119	.64	.126	9	73	1.49	126	.12	4	4.35	.01	.11	1	1
L0+50N 5+75W	1	128	19	117	.5	25	15	852	6.01	13	5	ND	2	55	.2	4	2	120	.52	.140	9	64	1.43	108	.10	2	4.60	.02	.09	1	1
L0+50N 5+50W	1	82	19	106	.4	24	12	559	5.92	6	5	ND	1	41	.3	3	2	128	.45	.107	8	56	.96	114	.13	4	4.58	.01	.08	1	3
L0+50N 5+25W	1	224	15	115	.2	28	19	1339	5.31	9	5	ND	2	59	.2	2	2	120	.75	.103	9	56	1.84	101	.19	4	3.38	.01	.12	1	3
L0+50N 5+00W	1	514	16	130	.4	14	17	2542	5.01	2	7	ND	2	76	.3	2	2	113	.52	.323	15	27	1.09	177	.04	3	4.07	.02	.16	1	4
L0+50N 4+75W	1	168	24	152	.2	32	18	932	6.21	15	5	ND	1	61	.5	2	2	154	.53	.114	10	80	1.83	111	.12	6	3.91	.02	.07	1	7
L0+50N 4+50W	1	149	23	135	.2	33	19	861	6.63	17	5	ND	2	65	.2	2	2	159	.56	.086	8	78	2.02	110	.19	4	4.16	.01	.08	1	6
L0+50N 4+25W	1	237	26	174	.3	37	21	1005	6.12	20	5	ND	1	66	.7	2	2	153	.62	.103	9	84	2.19	89	.17	3	4.08	.01	.07	1	6
L0+50N 4+00W	1	180	30	172	.5	32	18	1412	6.30	9	6	ND	2	62	.6	2	2	171	.44	.126	9	88	1.73	105	.11	3	4.06	.01	.09	1	6
L0+50N 3+75W	1	236	40	186	.1	39	21	1151	6.96	29	5	ND	2	57	.6	4	2	157	.47	.083	10	89	2.06	111	.15	4	4.52	.02	.09	1	7
L0+50N 3+50W	1	267	28	152	.3	40	23	1287	6.68	10	5	ND	2	65	.6	2	3	165	.63	.084	8	97	2.26	117	.18	4	4.45	.02	.09	1	6
L0+50N 3+25W	1	229	26	127	.2	36	19	916	5.39	12	5	ND	2	67	.5	3	2	124	.68	.084	10	76	1.75	117	.18	6	4.47	.01	.08	1	5
L0+50N 3+00W	1	148	20	136	.6	28	16	919	5.95	6	5	ND	2	66	.7	2	2	146	.56	.176	9	76	1.57	101	.09	4	3.91	.02	.09	1	1
L0+50N 2+75W	1	165	22	145	.5	33	18	1197	5.66	20	5	ND	2	68	.6	3	2	158	.55	.160	9	84	1.67	124	.09	6	3.95	.01	.07	2	5
L0+50N 2+50W	1	177	32	136	.1	35	20	1137	5.82	13	5	ND	1	66	.6	2	2	148	.57	.100	8	91	2.07	120	.14	4	4.05	.01	.07	1	7
L0+50N 2+25W	1	231	41	191	.4	34	21	1180	6.00	45	5	ND	2	50	.8	3	2	130	.53	.152	10	68	1.85	165	.11	5	3.94	.01	.09	1	8
L0+50N 2+00W	1	134	28	137	.4	35	16	741	5.44	16	6	ND	3	49	.5	2	2	116	.59	.110	12	70	1.26	150	.16	5	4.39	.02	.08	1	6
L0+50N 1+75W	1	96	18	100	.4	19	11	773	4.45	2	5	ND	1	52	.4	2	2	104	.47	.159	9	56	.84	145	.05	4	3.56	.01	.08	1	1
L0+50N 1+50W	1	202	16	90	.3	27	16	778	5.17	19	5	ND	2	61	.2	4	3	115	.74	.102	11	67	1.24	142	.11	3	3.50	.02	.09	1	65
L0+50N 1+25W	1	439	20	134	.4	25	18	1305	5.42	34	5	ND	2	80	.3	12	2	103	.67	.223	11	44	1.53	234	.03	4	3.74	.01	.13	1	8
L0+50N 1+00W	1	183	19	100	.3	28	16	832	5.36	12	5	ND	2	58	.4	3	2	115	.66	.109	11	62	1.28	182	.09	6	3.88	.02	.10	1	8
L0+50N 0+75W	1	240	23	118	.5	25	17	1132	5.32	30	5	ND	2	54	.4	4	2	103	.69	.114	12	46	1.41	223	.06	3	3.71	.01	.12	1	10
L0+50N 0+50W	1	739	26	135	.6	18	19	1615	5.20	48	5	ND	2	91	.2	12	2	97	1.09	.154	13	31	1.52	369	.03	4	3.80	.02	.16	1	16
L0+50N 0+25W	1	249	21	101	.2	24	16	1298	4.73	30	5	ND	2	53	.2	3	2	97	.72	.110	11	42	1.29	243	.07	3	3.48	.02	.11	1	9
L7+50S 8+00W	1	45	13	105	.3	22	16	1022	4.11	9	5	ND	1	128	.4	2	2	94	1.40	.087	12	41	.99	278	.07	2	3.14	.02	.09	1	5
L7+50S 7+75W	1	55	12	121	.2	25	15	695	5.01	3	5	ND	2	82	.5	2	2	111	.77	.109	8	52	1.15	257	.06	3	3.79	.02	.12	1	3
L7+50S 7+50W	1	47	12	114	.1	24	11	404	3.97	5	5	ND	1	107	.4	2	2	94	1.32	.097	8	56	1.05	236	.08	3	3.05	.02	.10	1	1
L7+50S 7+25W	1	44	11	120	.1	30	15	611	4.39	2	5	ND	2	101	.2	2	2	107	1.08	.076	9	66	1.31	242	.11	3	3.44	.03	.10	1	2
L7+50S 7+00W	1	57	10	105	.3	39	19	616	4.73	2	5	ND	2	108	.2	2	2	124	1.24	.061	7	93	1.59	248	.17	2	3.92	.03	.10	1	1
L7+50S 6+75W	1	127	15	127	.2	60	21	482	4.31	4	5	ND	2	133	.3	2	2	95	2.13	.095	7	134	1.99	274	.18	4	3.75	.03	.13	1	3
L7+50S 6+50W	1	39	14	93	.1	23	12	400	5.84	4	5	ND	1	52	.3	2	2	129	.55	.143	7	70	.99	143	.13	3	3.35	.02	.07	1	2
L7+50S 6+25W	1	33	19	91	.2	9	7	545	5.28	2	5	ND	2	160	.5	2	2	69	.75	.110	11	25	.44	342	.08	2	4.45	.04	.11	1	2
STANDARD C/AU-S	17	57	39	132	7.2	69	31	937	3.99	38	22	7	39	53	18.9	15	19	56	.51	.094	37	58	.94	180	.09	34	1.97	.06	.13	12	45

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L7+50S 6+00W	1	33	11	90	.1	11	14	934	5.64	3	5	ND	2	173	.2	2	2	71	.88	.098	10	24	.52	341	.12	2	4.01	.03	.13	1	134
L7+50S 5+75W	8	15	61	58	1.2	2	7	424	8.13	5	5	ND	5	409	.3	2	7	42	.46	.142	23	4	.17	117	.26	2	1.57	.24	.35	1	9
L7+50S 5+50W	2	26	22	87	.3	4	5	703	6.06	5	5	ND	3	313	.7	2	2	49	.46	.115	11	8	1.01	165	.09	2	4.05	.11	.30	1	10
L7+50S 5+25W	1	49	11	87	.2	21	13	710	4.31	6	5	ND	2	122	.2	2	3	85	1.03	.072	7	55	1.23	149	.15	2	3.61	.01	.10	1	7
L7+50S 5+00W	1	57	12	92	.2	24	14	648	5.16	7	5	ND	2	88	.2	3	2	118	1.02	.067	6	75	1.07	97	.16	3	3.49	.01	.07	1	8
L7+50S 4+75W	1	48	11	93	.2	23	15	886	4.83	3	7	ND	2	71	.3	2	2	101	.97	.109	10	53	.99	93	.11	3	3.62	.01	.08	1	8
L7+50S 4+50W	1	47	9	86	.2	29	14	617	4.80	5	5	ND	2	63	.2	2	2	103	.67	.065	7	72	1.15	105	.14	2	3.18	.02	.07	1	4
L7+50S 4+25W	1	63	9	93	.2	54	20	662	5.25	8	5	ND	2	69	.2	2	2	127	.72	.059	6	163	1.81	94	.20	3	3.26	.01	.09	1	8
L7+50S 4+00W	1	56	12	98	.3	48	17	652	4.38	4	6	ND	2	79	.3	2	2	110	.95	.100	5	154	1.66	129	.12	2	2.89	.01	.09	1	6
L7+50S 3+75W	1	109	10	88	.4	78	25	605	4.79	14	5	ND	3	98	.2	2	2	106	.98	.063	6	255	2.40	70	.26	2	3.13	.01	.12	1	13
L7+50S 3+50W	1	156	8	140	.2	46	19	940	4.20	6	5	ND	1	52	.4	2	2	106	.48	.170	7	91	1.82	134	.05	2	3.98	.01	.08	1	4
L7+50S 3+25W	1	78	11	98	.2	29	15	757	4.60	2	5	ND	1	64	.2	2	2	97	.39	.137	6	88	1.42	108	.09	3	3.20	.01	.07	1	2
L7+50S 3+00W	1	124	13	125	.3	34	18	854	5.27	2	7	ND	2	62	.3	2	2	113	.46	.118	7	96	1.62	94	.16	2	3.81	.01	.08	1	4
L7+50S 2+75W	1	53	15	110	.3	18	17	2220	4.29	4	6	ND	2	42	.2	2	2	125	.36	.180	5	60	.94	111	.07	4	3.13	.01	.11	1	2
L7+50S 2+50W	1	270	13	140	.1	46	21	839	4.91	4	5	ND	2	80	.3	2	2	115	.84	.080	6	100	2.07	100	.26	3	3.64	.02	.10	1	5
L7+50S 2+25W	1	96	15	132	.4	24	14	1007	4.53	2	9	ND	2	58	.5	2	2	109	.46	.148	7	67	1.01	111	.07	3	2.88	.01	.08	1	1
L7+50S 2+00W	1	248	12	126	.3	58	24	868	4.87	3	5	ND	2	96	.2	2	2	116	1.17	.082	5	123	2.40	71	.27	3	3.51	.01	.13	1	11
L7+50S 1+75W	1	271	11	121	.1	64	28	979	5.23	10	5	ND	2	129	.2	2	2	121	1.59	.078	5	124	2.73	62	.30	2	4.11	.01	.17	1	5
L7+50S 1+50W	1	127	6	135	.2	103	34	1094	5.57	9	5	ND	3	81	.2	2	3	121	1.09	.078	5	171	3.57	75	.25	2	3.94	.02	.18	1	3
L7+50S 1+25W	1	218	15	139	.3	103	34	997	5.60	2	6	ND	2	89	.3	2	2	121	1.21	.062	4	200	3.56	45	.26	3	3.82	.02	.18	1	4
L7+50S 1+00W	1	264	16	137	.2	121	41	1091	5.12	8	5	ND	2	121	.3	2	2	102	1.59	.056	3	196	4.17	25	.22	3	4.12	.01	.26	1	3
L7+50S 0+75W	1	250	11	114	.2	39	23	1030	3.91	7	5	ND	1	195	.4	2	2	88	1.93	.090	4	68	1.83	51	.13	2	4.62	.01	.15	1	3
L7+50S 0+50W	1	31	9	73	.2	8	6	294	1.09	2	5	ND	2	167	.3	2	2	12	.64	.043	4	11	.78	163	.01	2	2.34	.01	.17	1	7
L8+00S 8+00W	1	46	8	94	.1	21	13	643	4.19	6	5	ND	2	112	.3	2	2	100	1.07	.072	12	39	1.09	258	.11	2	3.03	.02	.09	1	3
L8+00S 7+75W	1	38	10	122	.1	20	13	726	4.36	4	5	ND	2	95	.5	2	2	104	.89	.054	10	33	.98	218	.07	3	3.00	.02	.08	1	1
L8+00S 7+50W	1	30	8	123	.3	15	8	544	3.99	5	5	ND	2	83	.6	2	2	96	.92	.137	11	27	.68	237	.02	2	2.98	.01	.09	1	2
L8+00S 7+25W	1	50	10	172	.2	24	15	993	4.60	8	6	ND	2	111	.6	2	2	100	1.38	.195	9	42	1.15	335	.05	2	3.69	.02	.13	1	4
L8+00S 7+00W	1	34	8	102	.1	21	13	713	4.75	13	5	ND	3	92	.3	2	2	128	.94	.053	10	52	.79	245	.14	4	2.09	.02	.07	1	65
L8+00S 6+75W	1	32	8	86	.1	18	12	658	4.03	4	5	ND	1	91	.2	2	2	104	.90	.055	9	39	.98	239	.09	2	3.00	.03	.06	1	1
L8+00S 6+50W	1	49	10	80	.1	25	15	662	4.62	7	5	ND	2	57	.2	2	2	109	.70	.059	8	52	1.11	174	.15	2	3.21	.02	.07	1	4
L8+00S 6+25W	1	7	6	114	.2	5	7	298	3.60	5	5	ND	2	61	.2	2	2	54	.54	.159	6	12	.40	117	.01	2	2.74	.01	.09	1	1
L8+00S 6+00W	1	36	12	101	.2	19	12	684	5.71	11	5	ND	2	51	.2	2	2	117	.44	.079	8	61	.80	129	.14	3	3.18	.01	.07	1	4
L8+00S 5+75W	1	37	12	96	.2	12	10	636	3.86	7	5	ND	2	99	.2	2	2	70	.91	.097	7	28	.67	281	.07	2	3.79	.01	.09	1	46
L8+00S 5+50W	1	33	11	82	.2	12	7	628	3.53	10	5	ND	2	83	.3	2	4	68	.58	.132	9	35	.73	128	.05	2	3.33	.01	.07	1	5
L8+00S 5+25W	1	21	16	51	.4	7	4	270	2.28	6	7	ND	2	50	.2	2	2	44	.36	.201	6	22	.33	101	.02	2	2.64	.01	.06	1	4
L8+00S 5+00W	1	36	9	92	.1	17	12	938	3.31	10	5	ND	1	141	.3	2	3	69	1.28	.118	8	36	.92	95	.10	3	4.95	.01	.09	1	4
STANDARD C/AU-S	17	59	36	132	7.2	70	31	1010	3.85	42	24	7	39	53	18.8	15	18	55	.50	.093	37	58	.90	179	.09	34	1.89	.06	.14	13	47

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L8+00S 4+75W	1	23	11	69	.1	10	11	907	3.12	4	5	ND	1	193	1.2	2	2	54	2.17	.119	5	23	.86	89	.09	3	5.55	.01	.06	1	3
L8+00S 4+50W	1	28	6	71	.1	14	12	746	3.21	3	5	ND	1	169	.6	3	2	62	1.73	.097	4	38	.92	94	.08	2	4.73	.01	.05	2	1
L8+00S 4+25W	1	30	8	69	.1	13	13	788	3.16	2	5	ND	1	224	1.0	2	2	61	2.68	.085	4	43	1.09	152	.10	2	5.41	.01	.07	1	2
L8+00S 4+00W	1	46	10	95	.2	15	14	1071	3.82	6	5	ND	1	121	.2	2	2	85	1.20	.200	7	49	1.11	87	.04	3	3.46	.01	.06	1	1
L8+00S 3+75W	1	68	8	104	.1	39	23	790	5.65	10	5	ND	1	84	.8	3	2	115	.74	.046	6	124	1.89	85	.18	4	3.36	.02	.06	1	2
L8+00S 3+50W	1	56	11	78	.1	24	14	750	4.60	3	5	ND	1	60	.2	2	2	105	.49	.062	5	85	1.09	122	.09	3	2.80	.01	.05	1	1
L8+00S 3+25W	1	98	2	115	.2	28	20	1185	5.01	6	5	ND	1	49	.9	3	2	109	.55	.135	7	85	1.16	104	.08	2	3.47	.02	.06	1	2
L8+00S 3+00W	1	184	3	130	.2	31	22	810	5.00	10	5	ND	1	53	.9	5	2	108	.73	.098	5	71	1.60	84	.19	2	2.98	.02	.08	1	1
L8+00S 2+75W	1	258	4	136	.1	32	21	689	4.81	7	5	ND	1	65	.9	2	2	108	.84	.053	4	69	1.91	80	.23	5	2.90	.01	.09	1	5
L8+00S 2+50W	2	28	9	33	.1	9	6	256	1.39	2	5	ND	1	20	.2	2	4	28	.29	.020	2	27	.49	36	.05	2	.79	.01	.04	6	3
L8+00S 2+25W	1	187	13	141	.2	53	27	879	5.19	2	5	ND	1	97	1.3	2	2	109	1.23	.058	4	133	2.08	75	.20	2	3.21	.01	.07	1	4
L8+00S 2+00W	1	217	32	133	.2	62	34	1176	5.43	6	5	ND	1	117	1.9	3	5	109	1.64	.080	3	131	2.43	58	.20	2	3.83	.01	.11	1	8
L8+00S 1+75W	1	147	10	86	.1	46	27	952	4.88	4	5	ND	1	143	1.0	3	2	106	1.68	.070	3	114	1.86	55	.17	3	3.38	.02	.05	1	1
L8+00S 1+50W	1	71	37	102	.1	48	33	1217	5.32	2	5	ND	1	98	.5	2	2	112	1.38	.106	3	110	2.26	68	.15	3	3.47	.02	.09	1	2
L8+00S 1+25W	1	269	2	91	.2	33	25	1531	4.88	2	5	ND	1	77	.4	2	2	109	1.16	.149	4	79	1.49	110	.09	4	3.60	.04	.05	1	1
L8+00S 1+00W	1	395	3	118	.1	45	36	2066	5.53	2	5	ND	1	115	1.4	2	2	108	1.70	.072	2	108	2.76	78	.19	2	4.47	.04	.13	1	1
L8+50S 8+00W	1	72	5	127	.1	23	13	649	4.50	8	5	ND	1	92	.5	4	2	88	1.08	.194	22	38	.99	372	.03	2	3.57	.02	.07	1	1
L8+50S 7+75W	2	54	2	133	.1	16	13	632	4.55	7	5	ND	1	119	.6	2	2	89	1.23	.190	16	30	.86	403	.02	2	3.33	.01	.06	1	1
L8+50S 7+50W	3	46	12	150	.2	19	14	568	4.48	7	5	ND	1	72	.2	2	2	86	.93	.088	9	27	.78	251	.01	2	3.02	.01	.06	1	6
L8+50S 7+25W	1	40	12	144	.1	14	16	1173	4.77	6	5	ND	1	69	.6	2	2	101	.75	.136	6	34	.78	329	.02	3	2.92	.02	.07	1	2
L8+50S 7+00W	3	47	16	135	.1	16	24	2528	4.81	10	5	ND	1	105	.6	2	2	95	1.28	.168	9	34	1.06	759	.03	2	3.89	.03	.08	1	3
L8+50S 6+75W	1	40	13	86	.1	11	13	494	5.12	4	5	ND	1	145	.5	5	2	88	1.25	.131	11	27	.72	234	.05	2	5.04	.05	.10	2	1
L8+50S 6+50W	1	25	3	101	.1	9	12	687	5.47	2	5	ND	1	78	.8	2	4	109	.45	.086	7	35	.75	115	.14	2	3.10	.01	.04	1	8
L8+50S 6+25W	1	29	8	83	.1	13	13	641	4.85	4	5	ND	1	54	.2	2	2	118	.47	.064	5	62	.60	196	.10	7	2.21	.01	.06	1	1
L8+50S 6+00W	1	29	5	100	.1	12	12	516	4.32	2	5	ND	1	71	.3	2	2	78	.56	.091	7	39	.64	148	.09	2	3.81	.01	.03	1	1
L8+50S 5+75W	1	44	2	89	.1	21	15	565	5.15	3	5	ND	1	51	.5	2	2	102	.44	.050	6	58	.98	115	.11	2	3.21	.01	.04	1	3
L8+50S 5+50W	1	28	2	81	.1	14	11	611	3.63	2	5	ND	1	58	.5	2	2	73	.40	.084	6	37	.64	80	.07	4	3.51	.01	.04	1	1
L8+50S 5+25W	1	25	9	71	.1	8	7	406	3.55	2	5	ND	1	64	.2	2	2	58	.50	.121	7	30	.41	106	.04	2	3.19	.01	.03	1	1
L8+50S 5+00W	1	27	8	82	.1	11	10	590	3.67	2	5	ND	1	104	.2	2	2	79	.82	.100	8	36	.63	128	.06	3	3.19	.02	.04	1	1
L8+50S 4+75W	1	41	2	76	.1	19	14	543	4.48	5	5	ND	1	70	.6	2	2	82	.60	.074	7	55	.90	168	.07	3	3.35	.02	.04	1	1
L8+50S 4+50W	1	39	2	111	.1	22	13	668	5.07	3	5	ND	1	66	.7	2	5	97	.57	.066	6	63	.98	138	.09	3	3.09	.01	.04	1	1
L8+50S 4+25W	1	59	11	99	.1	33	18	700	5.11	4	5	ND	1	66	.7	2	3	104	.70	.066	6	95	1.34	100	.10	2	2.99	.01	.04	1	2
L8+50S 4+00W	1	58	2	84	.1	28	17	800	4.83	2	5	ND	1	64	.2	2	2	105	.78	.084	7	83	1.20	129	.08	4	2.93	.02	.05	1	3
L8+50S 3+75W	1	63	7	79	.1	30	17	539	4.56	3	5	ND	1	57	.2	2	2	92	.64	.065	6	78	1.22	110	.09	3	3.01	.02	.04	1	3
L8+50S 3+50W	1	57	2	115	.1	69	25	566	5.11	2	5	ND	1	50	.2	2	3	103	.74	.076	3	176	2.34	59	.14	2	2.23	.01	.08	1	1
L8+50S 3+25W	1	75	10	117	.2	33	19	983	3.23	2	5	ND	1	72	.5	2	2	70	1.11	.198	4	71	1.12	145	.04	3	2.09	.01	.07	1	2
STANDARD C/AU-S	17	57	42	132	7.2	69	31	1032	4.07	38	21	7	38	51	18.7	15	19	56	.53	.093	36	58	.92	180	.08	34	1.90	.06	.14	14	51

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L8+50S 3+00W	3	57	10	100	.3	54	21	1151	4.75	2	5	ND	1	41	.2	2	4	126	.57	.096	4	148	1.49	94	.12	2	2.52	.01	.07	16	1
L8+50S 2+75W	1	78	13	109	.1	69	25	741	5.78	9	5	ND	1	53	.4	3	2	128	.75	.076	6	159	2.01	80	.19	2	3.26	.01	.14	1	3
L8+50S 2+50W	1	125	16	111	.1	38	22	1235	5.23	21	5	ND	1	69	1.2	3	2	142	.85	.098	9	106	1.43	118	.19	2	3.42	.01	.05	1	2
L8+50S 2+25W	1	73	9	127	.2	47	22	1203	5.29	4	5	ND	1	71	.2	3	2	136	.83	.129	6	136	1.61	127	.13	2	3.47	.01	.10	1	3
L8+50S 2+00W	1	143	22	135	.2	72	33	1388	6.33	6	5	ND	1	90	.2	4	2	144	1.19	.107	5	181	2.58	118	.17	3	4.74	.02	.14	1	1
L8+50S 1+75W	1	281	13	113	.3	50	27	1133	5.36	6	5	ND	1	80	.2	3	2	128	1.36	.142	4	118	1.99	97	.11	4	4.01	.02	.11	1	1
L8+50S 1+50W	1	506	8	90	.2	36	27	963	6.10	5	5	ND	1	97	.2	3	2	142	1.55	.076	4	101	1.90	123	.22	2	5.13	.04	.33	1	37
L9+00S 7+25W	1	48	9	191	.1	13	11	1007	4.01	2	5	ND	1	89	1.4	2	2	100	1.25	.169	8	36	.75	195	.03	2	3.05	.01	.08	3	3
L9+00S 7+00W	1	48	8	91	.2	8	8	669	2.44	2	5	ND	1	85	.2	2	2	72	1.16	.154	9	29	.59	105	.03	2	2.44	.02	.06	1	2
L9+00S 6+75W	2	32	21	77	.3	7	8	574	4.12	5	5	ND	1	59	1.2	2	2	99	.61	.103	9	44	.51	96	.08	2	3.52	.02	.07	5	1
L9+00S 6+50W	1	48	9	80	.2	23	13	526	5.42	2	5	ND	1	45	1.4	2	2	113	.37	.040	8	66	.92	94	.14	2	3.51	.01	.05	1	4
L9+00S 6+25W	1	56	8	86	.2	15	9	598	5.25	5	5	ND	1	43	1.6	2	2	130	.32	.071	10	59	.67	129	.10	2	3.86	.01	.05	1	1
L9+00S 6+00W	1	60	11	93	.2	17	13	729	4.72	3	5	ND	1	60	1.0	2	2	113	.58	.069	7	61	.82	163	.11	2	3.32	.01	.06	2	24
L9+00S 5+75W	1	41	2	101	.2	14	11	840	4.55	8	5	ND	1	84	.2	2	2	87	.67	.083	9	36	.82	176	.09	2	5.59	.01	.07	1	1
L9+00S 5+50W	1	30	7	82	.2	10	7	483	3.68	5	5	ND	1	121	.2	2	2	67	.98	.115	9	30	.62	97	.09	2	6.47	.01	.06	5	3
L9+00S 5+25W	1	38	10	75	.2	14	8	718	3.73	7	5	ND	1	93	.2	2	2	78	.79	.108	9	41	.67	90	.09	2	5.74	.01	.04	1	4
L9+00S 5+00W	1	35	5	91	.2	14	8	746	4.77	2	5	ND	1	82	.6	2	2	93	.49	.083	8	42	.74	142	.11	2	3.99	.01	.05	1	4
L9+00S 4+75W	1	70	12	97	.3	16	9	738	3.42	7	5	ND	1	159	1.2	2	2	70	1.52	.152	10	42	.80	415	.04	2	4.39	.02	.05	1	2
L9+00S 4+50W	1	50	15	87	.2	26	12	635	5.50	5	5	ND	1	67	.9	2	2	106	.55	.065	10	67	.91	126	.11	3	3.42	.02	.05	4	25
L9+00S 4+25W	1	48	10	104	.2	25	12	675	5.06	2	5	ND	1	58	1.1	2	2	115	.54	.061	7	65	.98	117	.12	2	3.19	.02	.06	2	6
L9+00S 4+00W	1	58	6	90	.2	31	15	1105	4.59	5	5	ND	1	79	.6	2	2	113	.75	.125	9	83	1.11	119	.07	2	3.21	.01	.05	2	5
L9+00S 3+75W	1	78	9	92	.2	62	20	916	5.71	3	5	ND	1	97	.5	3	2	118	1.05	.110	7	131	1.85	98	.10	2	3.86	.02	.10	1	1
L9+00S 3+50W	1	59	15	113	.4	39	17	1034	5.53	2	5	ND	1	67	.8	2	2	112	.70	.139	5	107	1.20	124	.07	2	2.57	.02	.10	2	6
L9+00S 3+25W	1	73	11	114	.3	50	19	1095	5.34	2	5	ND	1	59	.8	3	2	115	.59	.127	6	119	1.46	125	.08	2	3.23	.02	.10	1	1
L9+00S 3+00W	1	101	7	95	.2	80	25	662	6.43	2	5	ND	1	61	.2	3	2	118	.91	.050	5	176	2.41	74	.20	2	3.32	.02	.14	1	1
L9+00S 2+75W	1	86	6	91	.1	84	25	678	5.78	2	5	ND	1	57	1.5	3	2	118	.71	.057	6	155	2.28	81	.16	2	3.28	.01	.14	1	3
L9+00S 2+50W	1	72	8	91	.2	113	31	727	6.76	2	5	ND	1	55	.4	3	2	142	.74	.057	4	187	3.06	88	.19	2	3.95	.02	.17	1	6
L9+00S 2+25W	1	96	7	300	.2	121	39	917	6.53	3	5	ND	1	84	.8	4	2	126	.89	.069	5	172	3.38	78	.17	2	4.48	.02	.25	1	1
L9+00S 2+00W	1	60	10	93	.3	46	18	1032	4.97	2	5	ND	1	54	.5	2	2	109	.56	.080	6	104	1.46	126	.12	2	3.12	.02	.09	1	2
STANDARD C/AU-S	20	63	37	135	7.4	69	31	1056	3.96	41	16	8	36	53	17.5	18	18	61	.48	.091	39	59	.88	182	.08	35	2.07	.06	.14	12	49

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: JUL 26 1990

DATE REPORT MAILED: Aug. 7/90.

ASSAY CERTIFICATE

Mingold Resources Inc. PROJECT KMA FILE # 90-2491R2
470 Granville St., Suite 405 The Rogers Building, Vancouver BC

SAMPLE#	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t
R094D15034F	1000	.763	2.78	.844

-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Reject + Pulp

SIGNED BY C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: JUL 26 1990
DATE REPORT MAILED: July 31/90

ASSAY CERTIFICATE

Mingold Resources Inc. PROJECT KMA FILE # 90-2491R
470 Granville St., Suite 405 The Rogers Building, Vancouver BC

SAMPLE#	Cu %	Ag oz/t
C 29736	4.22	-
R094D15034F	1.08	1.03

- SAMPLE TYPE: Rock Pulp

SIGNED BY........ D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

APPENDIX III

ROCK SAMPLE DESCRIPTIONS

MINGOLD RESOURCES INC. GEOCHEMICAL DATA SHEET – ROCK SAMPLING

Sampler: P REYNOLDS
Date:
Project:
Property: KM.A.
NTS: 94D15
Location Ref: MOOSE VALLEY.
Air Photo No.:

'094D15....

SAMPLE No.	LOCATION	SAMPLE TYPE	SAMPLE WIDTH	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS				
				Rock Type	Alteration	Mineralization		Ag ppm	Au ppb	Cu ppm	Au g/t	Ag g/t
033R	13m S.E OF 1+50N, 5+00W. ON ROADCUT	GRAB		ANDESITE		MALACHITE, BORNITE, QTZ.	FAULT ZONE: 348/70E	0.6	33	5518		
034F		FLOAT		ANDESITE	EPIDOTE	CPy, BORNITE, COVELLITE? MALACHITE		—	—	10880	0.044	1.0
035S	KMA 4: 6E, 2S	SEDIMENT					E. FLOWING CREEK.	3.6	440	322		

MINGOLD RESOURCES INC.

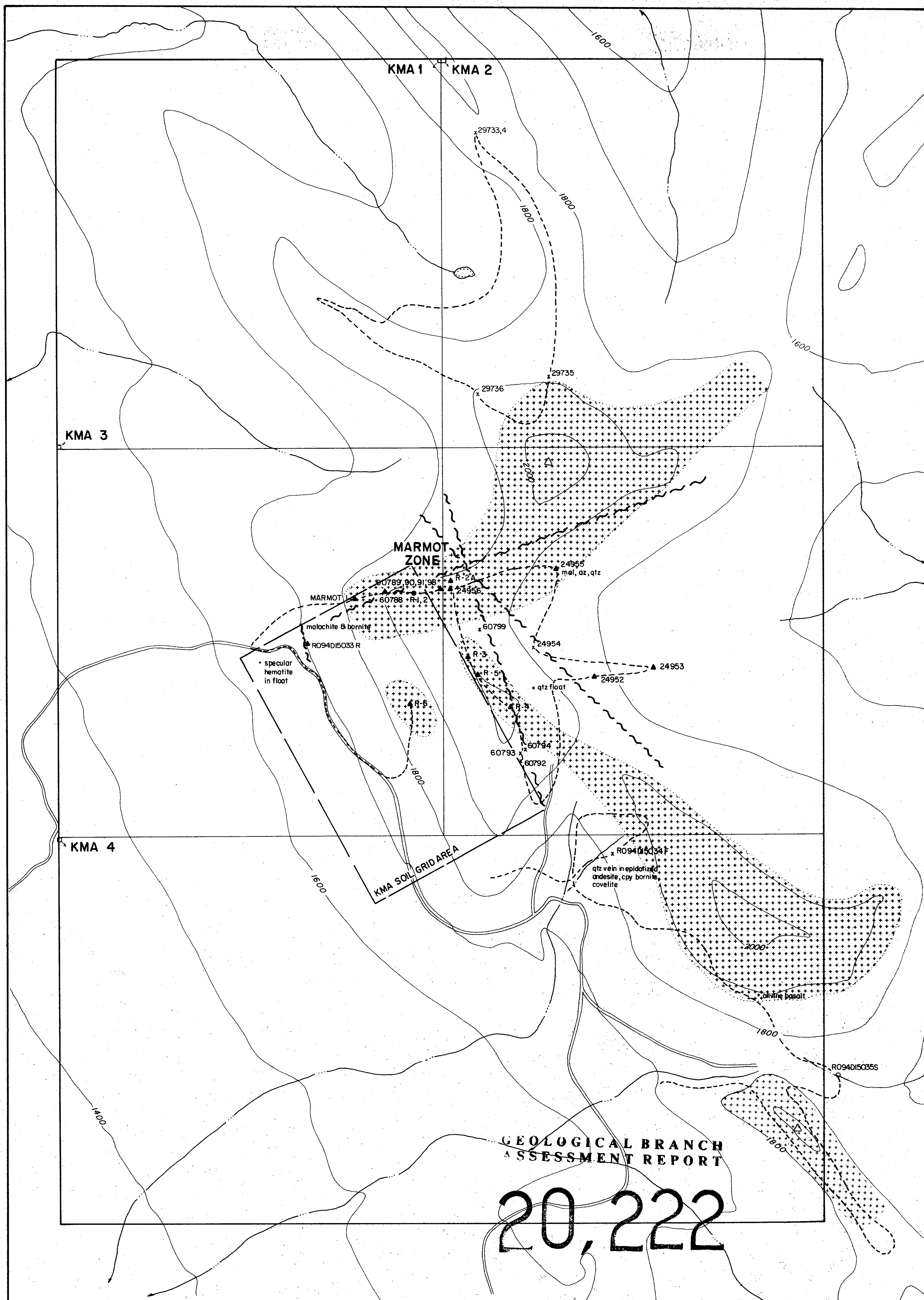
GEOCHEMICAL DATA SHEET – ROCK SAMPLING

Sampler R. WEISHAUPT
Date

Project
Property K. M. A.

NTS 94D15
Location Ref MOOSE VALLEY.
Air Photo No.

SAMPLE No.	LOCATION	SAMPLE TYPE	SAMPLE WIDTH	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS				
				Rock Type	Alteration	Mineralization		Ag PPm	Au PPB	Cu PPm	Pb PPm	
(90-R-1) 29733	KMA 3	FLOAT		ANDESITE		MALACHITE	300m. SOUTH OF KMA 1+2 LCP.	4.7	420	3441	7	
(90-R-2) 734	SEE TRAVERSE MAP.	FLOAT		"		"	"	0.6	108	18	2217	
(90-R-3) 735		GRAB		"			SHEAR ZONE	2.1	28	2272	2	
(90-R-4) 736		FLOAT		"				16.6	48	42200	8	



Sample Nº.	Type	Au,ppb	Au,opt	Ag, ppm	Ag,opt	Cu,ppm	Cu,%
MARMOT 1	Rock	101					
R-1	Soil	425					
2	"	315					
2A	Rock	138					
3	"	4					
4	"	14					
5	"	2					
R-6	"	3					
24952	"	1		2.1		171	
3	"	11		0.1		106	
4	"	11		4.7		323	
5	"	1		0.1		209	
24956	"	12		0.1		259	
60788	"	780		6.9		408	
9	"	4005		55.4		1650	
90	"	1430		33.7		25 718	
1	"	57		2.9		373	
2	Talus	86		9.8		1418	
3	"	680		63.5		439	
4	"	22		10.7		7045	
60798	Rock	250		11.0		3372	
9	"	605		106.7		2385	
29733	Float	420		4.7		3441	
4	"	108		0.6		18	
5	Grab	28		2.1		2272	
6	Float	48		16.6		42 200	
R094D15033R	Grab	33		0.6		5518	
34F	Float		0.844		1.03		1.08
35S	Sediment	440		3.6		322	

CHONG

LEGEND

- Andesite porphyry minor basalt
- Fault
- Survey cairn
- Legal corner post
- Rock sample site
- Talus " "
- Soil " "
- Sediment " "
- Traverse line
- Creek
- Contour interval 100 m
- Road

N

MINGOLD RESOURCES INC.
VANCOUVER OFFICE

KMA PROPERTY
PROSPECTING & SAMPLING

N.T.S. 94D-10E, 15E

DRAWN BY: P. REYNOLDS	DATE: AUG. 1990	SCALE 1:10,000
0 200 400 600 METRES		FIG. Nº 3