

LOG NO: 12-07 RD.

ACTION:

FILE NO:

ASSESSMENT REPORT

LORRAINE PROPERTY

Omineca Mining Division

N.T.S. 93N-14

Latitude 55° 55' 30" N

Longitude 125° 26' W

owner:

KENNCO EXPLORATIONS (WESTERN) LTD.

1609 - 8 King Street East

Toronto, Ont., M5C 1B5

Tel: (416) 364-2348 Fax: 364-2399

by:

BARRY JAMES PRICE, M.SC., FGAC

and

DAVID J. COPELAND, P. ENG

for

C.E.C. ENGINEERING LTD.,

700 - 1177 West Hastings Street,

Vancouver, B.C., V6B 5A6

Tel: 681-0799 Fax: 681-2741

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

20,608

**SUB-RECORDER
RECEIVED**
DEC 03 1990
M.R. # _____ \$
VANCOUVER, B.C.

November 30, 1990.

TABLE OF CONTENTS

SUMMARY	Page 1
INTRODUCTION	Page 2
LOCATION AND ACCESS	Page 2
PHYSIOGRAPHY CLIMATE AND VEGETATION	Page 4
EXPLORATION HISTORY	Page 4
CLAIM DATA	Page 5
REGIONAL GEOLOGY	Page 7
PROPERTY GEOLOGY	Page 7
1990 EXPLORATION PROGRAM	
ROAD CONSTRUCTION	Page 7
GRID PREPARATION	Page 7
SOIL GEOCHEMISTRY	Page 8
CONCLUSIONS	Page 11
RECOMMENDATIONS	Page 11
BIBLIOGRAPHY	Page 12
QUALIFICATIONS	Page 13
STATEMENT OF EXPENDITURES	Page 15

APPENDICES

APPENDIX I

Analytical Methods and Certificates of Analyses

LIST OF FIGURES

Figure No.	Title	Page No.
1	Location Map	3
2	Claim Map	6
3	Road Map	9
4	Grid Map	10
5	Cu Value Plots	In Pocket

SUMMARY

The following report summarizes the 1990 exploration programme on the Lorraine property. The property, owned by Kennco Exploration (Western) Ltd., is located near Duckling Creek, northwest of Germansen Landing in the Omineca Mining Division of British Columbia.

A geochemical exploration programme on the property was carried out from July 26 to September 03, 1990 by CEC Engineering Ltd. Grid work consisted of a total of 5.6 km of cut and picketed baseline and 48 km of crosslines. 973 soil samples were collected from the grid and shipped to Acme Analytical Laboratories in Vancouver, B.C. for analysis by 30 element ICP. Geochemical data was digitized and plots for Cu were completed.

A D-7 bulldozer was used to clear and rehabilitation 17 kilometres of road originally completed in 1973 to allow better access to the property.

INTRODUCTION

The following report summarizes the work done on the Lorraine claims from July 26 to September 3, 1990. The property, owned by Kennco Exploration (Western) Ltd., is located near Duckling Creek, northwest of Germansen Landing in the Omineca Mining Division.

LOCATION AND ACCESS

The Lorraine property is situated in the Swannell Range of the Omineca Mountains approximately 40 kilometers west northwest of Germansen Landing, B.C., a small settlement on the Omineca River. Fort St. James, at the south end of the Omineca Mining Access Road, is 180 kilometers to the south; the logging and pulp milling community of Mackenzie is 160 kilometers to the southeast and the major supply centre of Prince George is 280 kilometers to the southeast.

Access to the property is by 4-wheel drive vehicle along a rough mining exploration road which leaves the Omineca road approximately 4 km north of the Old Hogem road near Discovery Creek. Access may also be gained by helicopter from summer bases at Calder Lake, Silver Creek, or Germansen Landing.



LEGEND

- ROAD
- * PRODUCING PORPHYRY MINES



C.E.C. ENGINEERING LTD.
LORRAINE PROJECT

LOCATION MAP

SCALE :	AS SHOWN	DRAWN BY :	ProComp GeoDraft Ltd.	FILE :	LORLOCA
DATE :	OCT. 90	REVISED :		PAGE :	1

PHYSIOGRAPHY CLIMATE AND VEGETATION

Duckling Creek lies at elevation 1,160 metres (3,800 ft) at base camp, and the highest parts of the range are about elevation 1,980 metres (6,500 ft). The area has been extensively glaciated and cirques are common. Valleys are U-shaped, steepening upward, with deep till cover and alluvium in the valley bottoms. Outcrop is generally confined to ridge tops, snow-slide areas, and road cuts. Direction of ice-movement in Duckling Creek valley has likely been southward.

Climate of the project area has long cold winters with relatively light snow cover, and short summers (June to August) which may be hot and dry.

Valley bottoms have swampy drainages which extend part way up the valley walls. Alpine vegetation is present above 1,675 metres (5,500 ft) elevation. Coniferous forest of mixed pine, hemlock, fir and spruce has some merchantable stands in the main valleys at low to moderate elevations.

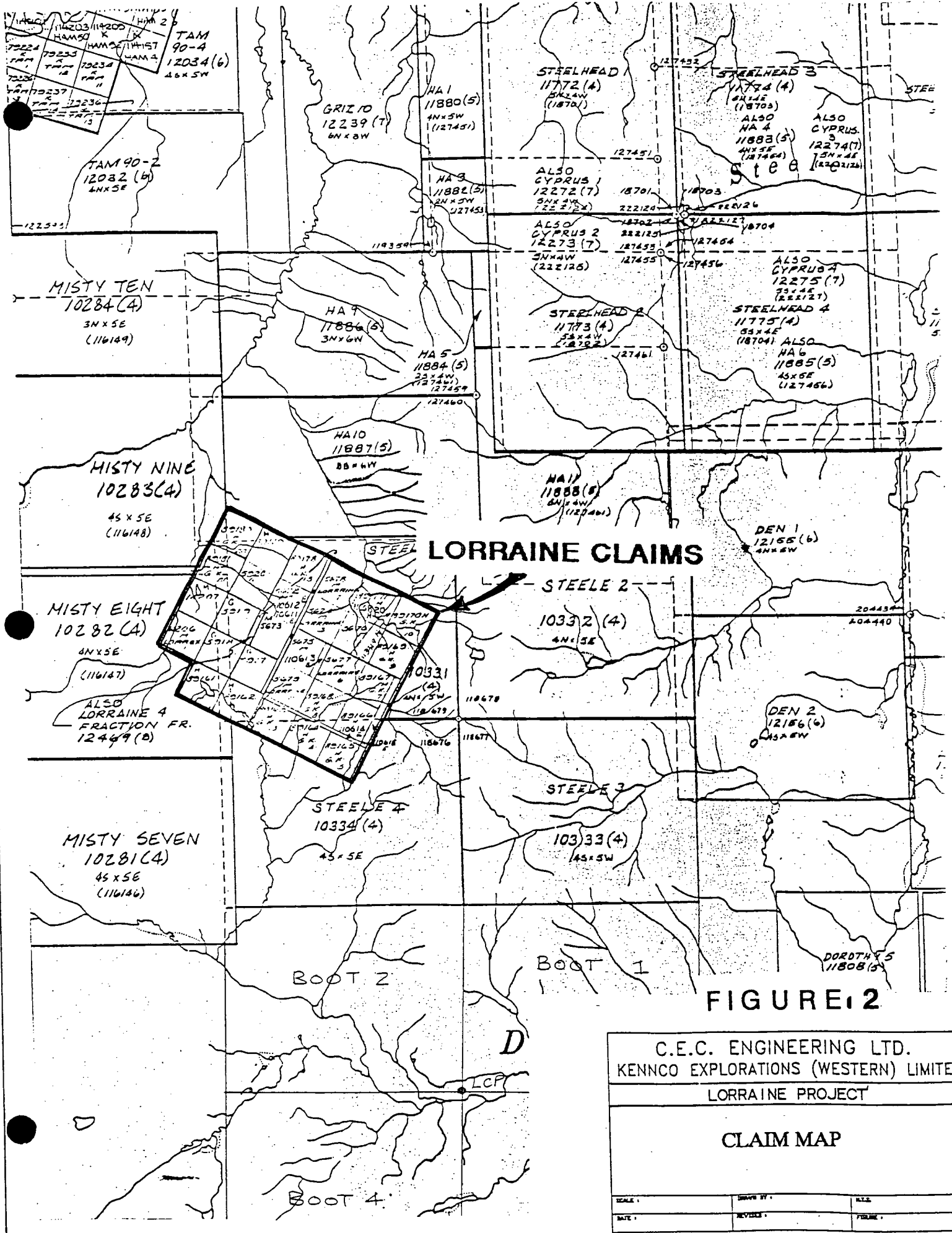
EXPLORATION HISTORY

The malachite stained cliffs of the Lorraine property are the most visible and best known indication of Cu mineralization in the Duckling Creek area. Claims were located by the Consolidated Mining and Smelting Company of Canada Limited in 1943. In 1947, Kennco Explorations(Western) Limited again located claims on the showings and have worked intermittently on the property since. In 1970, The Granby Mining Company Limited optioned the claims and conducted detailed geological mapping, extensive trenching, and diamond and percussion drilling on the ore zone from 1970 to 1974. During the 1973 field season J.A. Garnett, H.D. Meade and D.V. Lefebure mapped the property in detail. Wilkinson et al. completed a comprehensive property description in 1976 with indicated potential reserves for an "Upper Zone" deposit of 4.5 million tonnes grading 0.75% Cu and 0.34 ppm Au and for a "Lower Zone" deposit of 5.5 million tonnes grading 0.6% Cu and 0.10 ppm Au. These zones were based on a cutoff grade of 0.4% Cu.

CLAIM DATA

The Lorraine property consists of 36 two post minerals claims owned by Kennco Explorations(Western) Limited of Toronto, Ontario.

CLAIM NAME	RECORD #	UNITS	RECORD DATE	EXPIRY DATE
Lorraine	15672	1	Sep 17, 1947	Sep 17, 1996
Lorraine	25673	1	Sep 17, 1947	Sep 17, 1996
Lorraine	35674	1	Sep 17, 1947	Sep 17, 1996
Lorraine	45675	1	Sep 17, 1947	Sep 17, 1996
Lorraine	55676	1	Sep 17, 1947	Sep 17, 1996
Lorraine	65677	1	Sep 17, 1947	Sep 17, 1996
Lorraine	75678	1	Sep 17, 1947	Sep 17, 1996
Lorraine	85679	1	Sep 17, 1947	Sep 17, 1996
Lorraine	95917	1	Jun 22, 1948	Jun 22, 1996
Lorraine	105918	1	Jun 22, 1948	Jun 22, 1996
Lorraine	115919	1	Jun 22, 1948	Jun 22, 1996
Lorraine	125920	1	Jun 22, 1948	Jun 22, 1996
Lorraine 1 FR	110611	1	May 31, 1972	May 31, 1996
Lorraine 2 FR	110612	1	May 31, 1972	May 31, 1996
Lorraine 3 FR	110613	1	May 31, 1972	May 31, 1996
Lorrex 1	14206	1	Sep 04, 1961	Sep 04, 1996
Lorrex 2	14207	1	Sep 04, 1961	Sep 04, 1996
GK 1	89161	1	Jul 03, 1970	Jul 03, 1996
GK 2	89162	1	Jul 03, 1970	Jul 03, 1996
GK 3	89163	1	Jul 03, 1970	Jul 03, 1996
GK 4	89164	1	Jul 03, 1970	Jul 03, 1996
GK 5	89165	1	Jul 03, 1970	Jul 03, 1996
GK 6	89166	1	Jul 03, 1970	Jul 03, 1996
GK 7	89167	1	Jul 03, 1970	Jul 03, 1996
GK 8	89168	1	Jul 03, 1970	Jul 03, 1996
GK 9	89169	1	Jul 03, 1970	Jul 03, 1996
GK 10	89170	1	Jul 03, 1970	Jul 03, 1996
GK 11	89171	1	Jul 03, 1970	Jul 03, 1996
GK 18	89178	1	Jul 03, 1970	Jul 03, 1996
GK 19	89179	1	Jul 03, 1970	Jul 03, 1996
GK 20	89180	1	Jul 03, 1970	Jul 03, 1996
GK 21	89181	1	Jul 03, 1970	Jul 03, 1996
GK 109 FR	110614	1	May 31, 1972	May 31, 1996
GK 110 FR	110619	1	Jul 25, 1972	Jul 25, 1996
GK 111 FR	110615	1	May 31, 1972	May 31, 1996
GK 112 FR	113820	1	Jul 25, 1972	Jul 25, 1996



LORRAINE CLAIMS

FIGURE 2

C.E.C. ENGINEERING LTD.		
KENNCO EXPLORATIONS (WESTERN) LIMITED		
LORRAINE PROJECT		
CLAIM MAP		
SCALE:	DRAWN BY:	DATE:
	REVISED:	FIGURE:

REGIONAL GEOLOGY

The regional geology of the area consists of the plutonic rocks of the Hogem Batholith. Monzonites and diorites of the Phase I Hogem basic suite are intruded by younger Phase II syenites and Phase III granites. There are no known volcanic equivalents to the Phase II syenites or the Phase III granites in the general vicinity. The mineral occurrences within the Hogem batholith exhibit syngenetic characteristics and have none of the main alteration and structural features of the major Cordilleran porphyry deposits of the alkaline suite.

PROPERTY GEOLOGY

The claims are underlain by all three phases of the Hogem batholith. Monzonites and diorites have been altered by later syenite and granite intrusions with wide spread potassium feldspathization. Lamprophyres form a large sill like body lying sub-horizontally but it is unclear if they are sills or a cumulate phase of the host intrusives. Primary minerals are disseminated chalcopyrite and bornite with an affinity for mafics, mineralized fractures and some quartz stringers.

WORK COMPLETED IN 1990

ROAD CONSTRUCTION

Approximately 17 kilometres (5 metres wide) of access road built in 1973 was cleared, using a D7 bulldozer rented from Pat Murphy in Prince George, B.C. (Figure 3).

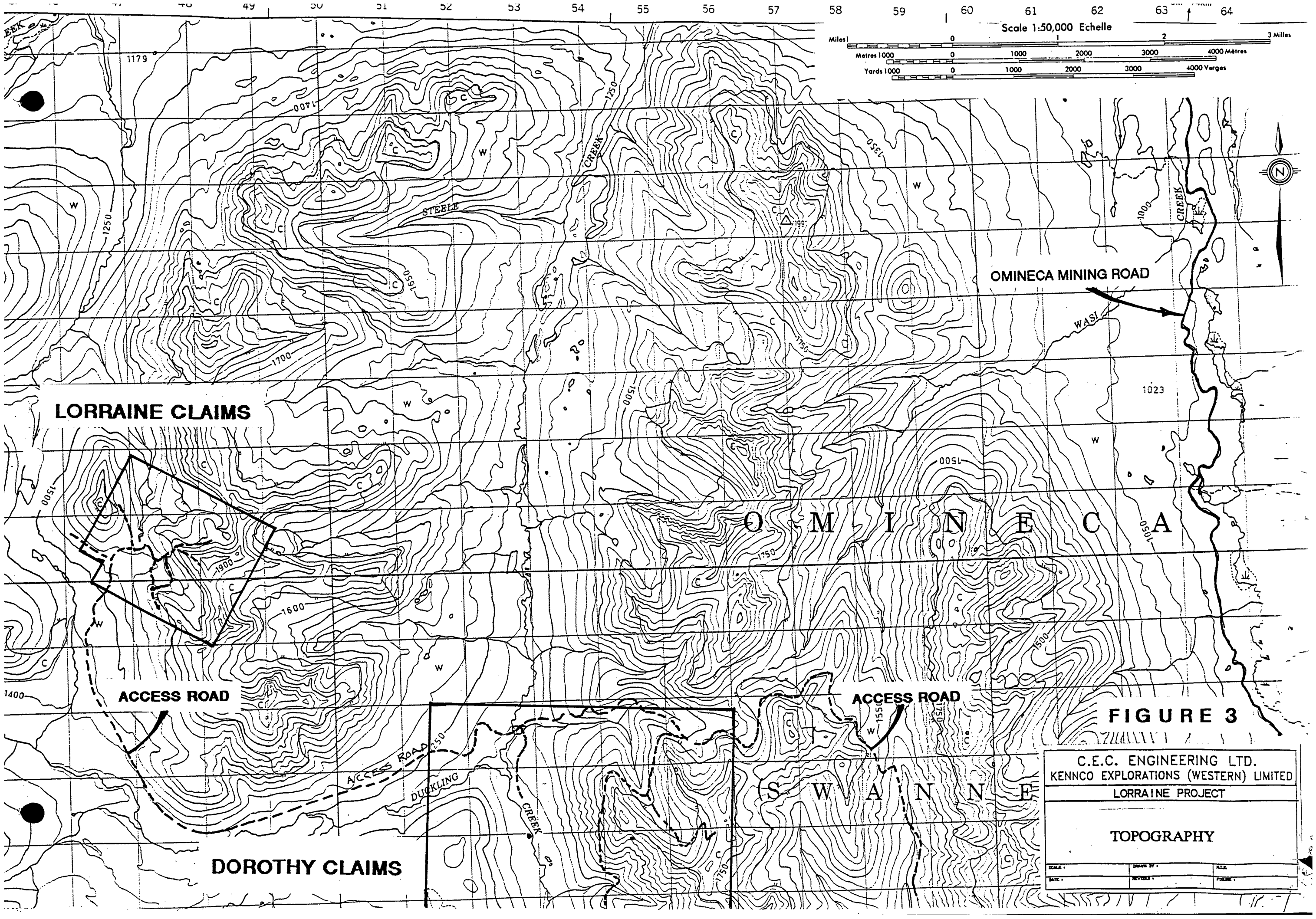
GRID PREPARATION

An east-west, and a north-south baseline were cut and picketed for a total of 5.6 kilometres. The east-west baseline runs from 20+000E to 18+600E, and the north-south line from 18+500N to 21+300N. Crosslines to the east of the north-south baseline 20+000E run east-west. Crosslines to the west of baseline 20+000E run north-south (Figure 4). All crosslines are 100 metres apart with station spacing of 50 metres. Above tree-line, grid stations were marked by placing 2 ft pickets with grid locations marked on embossed aluminum tags. Below tree-line, lines were flagged and station coordinates written on a tyvek tag. A total of 48 kilometres of crosslines were established. Work on the grid was done by Exploration Services Inc.

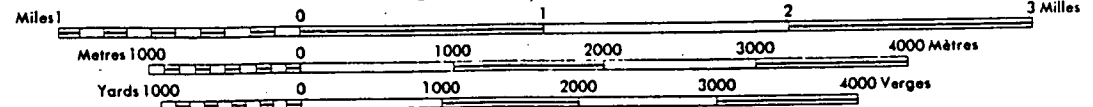
SOIL GEOCHEMISTRY

Soil samples were taken at 50 meter intervals on the cross-lines except for areas of rock, talus, swamp or streams. A total of 973 "B" horizon samples were collected from 6" below the soil surface and put in kraft envelopes for shipment by Greyhound bus lines to Vancouver, where they were analyzed for 30 elements by ICP methods by Acme Analytical Laboratory of Vancouver, B.C. Copies of the analyses and a summary of the analytical methods are provided in Appendix I.

Geochemical data was digitized to allow the creation of value plots for Cu (figure 5).



Scale 1:50,000 Echelle



LORRAINE CLAIMS

OMINECA MINING ROAD

OMINECA

ACCESS ROAD

ACCESS ROAD

FIGURE 3

DOROTHY CLAIMS

C.E.C. ENGINEERING LTD.
 KENCO EXPLORATIONS (WESTERN) LIMITED
 LORRAINE PROJECT

TOPOGRAPHY

SCALE	DRAWN BY	DATE
REVISED	FIGURE	



21300 N
21200 N
21100 N
21000 N
20900 N
20800 N
20700 N
20600 N
20500 N
20400 N
20300 N
20200 N
20100 N
B/L 20+000
19900 N
19000 N
19700 N
19600 N
19500 N
19400 N
19300 N
19200 N
19100 N
19000 N
18900 N
18800 N
18700 N
18600 N
18500 N

18600 E
18700 E
18800 E
18900 E
19000 E
19100 E
19200 E
19300 E
19400 E
19500 E
19600 E
19700 E
19800 E
19900 E
B/L 20+000 E
20100 E
20200 E
20300 E
20400 E
20500 E
20600 E
20700 E
20800 E
20900 E
21000 E

CLAIM BOUNDARY

800 N
500 N
300 N
100 N
150 E

500 W

55° 55'

125° 25'

0 200 400 Metres

C.E.C. ENGINEERING LTD.			
LORRAINE PROJECT			
GRID LOCATION			
SCALE :	AS SHOWN	DRAWN BY :	ProComp GeoDraft Ltd.
DATE :	OCT. 90	REVIEWED :	93 N/14
		FILE :	LORLOCA
		FRAME :	4

CONCLUSIONS

A contoured plot for Cu indicates a strong geochemical anomaly with dimensions of at least 900 metres by 1000 metres located on the east side of the grid area.

RECOMMENDATIONS

An IP survey and detailed geological mapping should be conducted over the anomalous area of the grid. A review of previous work done on the property should be compiled to give a clearer picture of the geology and associated mineralization in the area.

BIBLIOGRAPHY

GARNETT, J.A., (1978); Geology and Mineral Occurrences of the Southern Hogen Batholith, BC Ministry of Mines and Petroleum Resources, Bulletin 70, pp. 42-49.

WILKINSON, W.J, et.al., (1976); Lorraine., in: Porphyry Deposits of the Canadian Cordillera, C.I.M. Special Volume 15, ed: A.Sutherland Brown, pp.397-401.

STATEMENT OF QUALIFICATIONS

I, David J. Copeland, of the City of Vancouver, Province of British Columbia, DO HEREBY CERTIFY THAT:

- 1) I am a Consulting Geological Engineer with a business office at Suite 700 - 1177 West Hastings Street, Vancouver, British Columbia; and Secretary of C.E.C. Engineering Ltd.
- 2) I am a graduate in Economic Geology with a Bachelor of Science from the University of British Columbia in 1970.
- 3) I am a registered member, in good standing, of the Association of Professional Engineers of British Columbia.
- 4) Since graduation I have been engaged in mineral exploration and mine development in Canada, United States of America, South America and Australasia.



D. J. Copeland, P.Eng.

Dated at Vancouver, British Columbia, this 30th day of Nov, 1990.

CERTIFICATE

I, Barry James Price, Consulting Geologist, with my office at 2505 West 1st Avenue, Vancouver, B.C., V6K 1G8, hereby certify that:

I graduated from High School at Smithers B.C. in 1962, received my first degree B.Sc., Honors in Geology at U.B.C. in 1965 and received a Masters Degree in Geology from U.B.C. in 1972, specializing in Economic Geology.

I have practiced my profession as a Consulting Geologist since 1965 and have worked for 25 years in my profession for small and large companies in Canada, United States of America, Mexico and The Republic of the Phillipines.

I am a Fellow of the Geological Association of Canada, and I am authorized to use their seal, which has been affixed to this report.

I am also a member of the Society of Exploration Geologists and the American Institute of Mining Engineers.

I do not have any direct or indirect equity in the subject property of this report, nor in C.E.C. Engineering Ltd. or Kennco Explorations (Western) Ltd., and will receive only normal consulting fees for the work described in this report and preparation of the report

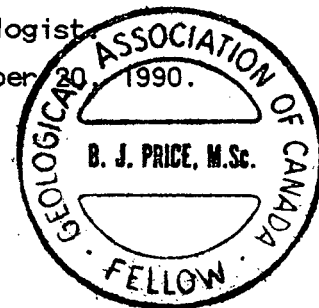
respectfully submitted

Barry Price

Barry James Price, M.Sc., FGAC.

Consulting Geologist

November 20, 1990.



STATEMENT OF EXPENDITURES**Road Reconstruction (17 Km)**

D7 Bulldozer for 202 Hrs @ \$125/hr.	\$25,250.00
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Helicopter Support

1.64 hrs @ \$750/hr including fuel	1,230.00
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Basemap preparation	4,800.00
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Grid preparation and soil samples	7,317.00
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Geochemical analyses

973 samples @ \$10.50/sample	10,216.00
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Personal July 26 to Sept. 3, 1990

R. Schaffer 10 days @ \$225/day	2,250.00
---------------------------------	----------

B. Price 20 days @ \$425/day	8,500.00
------------------------------	----------

D. Copeland, P.Eng 2 days @ \$465/day	930.00
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C.M. Rebagliati, P.Eng 6 days @ \$465/day	2,790.00
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Truck Rental

All inclusive 39 days @ \$100/day	3,900.00
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Room and Board

92 man days @ \$75/day	6,900.00
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TOTAL OF ALL COSTS	----- \$74,083.00
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APPENDIX I

GEOCHEMICAL ANALYSIS CERTIFICATE

C.E.C. Engineering Ltd. PROJECT LOR File # 90-3683 Page 1

1270 - 601 W. Hastings St, Vancouver BC V6B 5A6

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm
LR-90 L21+300N 20+000E	1	716	7	120	.1	11	21	2311	6.93	5	5	ND	1	232	.2	2	2	185	1.28	.341	15	12	1.20	85	.12	4	2.89	.05	.07	1
LR-90 L21+300N 20+050E	1	431	9	99	.1	12	15	1053	6.00	6	5	ND	1	201	.2	2	2	167	.97	.232	13	16	.97	100	.06	2	2.64	.04	.06	1
LR-90 L21+300N 20+100E	1	632	7	121	.2	15	21	1555	6.68	7	5	ND	1	172	.2	2	2	175	.94	.196	11	18	1.01	134	.10	2	2.94	.04	.12	1
LR-90 L21+300N 20+150E	3	870	14	143	.5	11	19	2041	6.92	9	5	ND	1	110	.2	2	2	181	.84	.208	11	16	.92	127	.08	2	2.31	.04	.08	1
LR-90 L21+300N 20+200E	4	766	32	131	.4	15	17	1807	6.38	8	5	ND	2	52	.2	2	2	153	.43	.118	18	19	.72	89	.08	3	2.11	.03	.07	1
LR-90 L21+300N 20+250E	5	855	24	115	.3	7	15	2255	6.34	9	5	ND	1	45	.2	2	2	177	.47	.134	11	11	.48	101	.04	3	1.80	.03	.07	1
LR-90 L21+300N 20+300E	21	460	193	102	1.0	10	9	1533	4.78	23	5	ND	1	42	.2	4	9	126	.21	.080	15	16	.28	102	.02	3	1.31	.02	.05	1
LR-90 L21+300N 20+350E	30	429	43	107	.9	4	11	2538	4.02	14	5	ND	1	33	.2	3	2	128	.24	.099	11	5	.13	105	.01	2	1.22	.02	.04	1
LR-90 L21+300N 20+400E	38	1602	129	190	8.2	6	15	3022	4.99	27	5	ND	1	28	1.1	54	2	128	.26	.144	17	9	.35	91	.02	3	1.36	.02	.13	1
LR-90 L21+200N 20+000E	1	422	10	120	.6	5	19	2089	7.78	3	5	ND	1	85	.2	2	2	216	.80	.219	13	7	.88	59	.13	3	1.97	.06	.08	1
LR-90 L21+200N 20+050E	2	465	20	94	.2	7	13	1104	6.15	5	5	ND	1	44	.2	2	2	167	.50	.144	10	11	.73	47	.07	2	1.87	.04	.06	1
LR-90 L21+200N 20+100E	10	761	40	129	.6	5	16	2686	5.73	10	5	ND	3	56	.2	4	2	138	.40	.139	15	6	.48	123	.03	5	1.98	.02	.09	1
LR-90 L21+200N 20+150E	19	1201	152	150	2.0	7	16	2847	6.03	13	5	ND	1	63	.6	5	5	145	.50	.181	20	10	.54	147	.03	3	1.85	.02	.06	1
LR-90 L21+200N 20+200E	32	707	48	136	.8	3	14	2498	6.49	11	5	ND	3	46	.8	2	2	184	.38	.089	20	3	.29	134	.03	2	1.28	.03	.09	1
LR-90 L21+200N 20+250E	24	748	28	166	.6	2	16	2714	6.57	10	5	ND	6	114	.4	2	2	203	.85	.091	39	1	.54	194	.03	3	1.72	.03	.06	1
LR-90 L20+700N 20+000E	1	423	9	104	.1	46	25	948	8.85	7	5	ND	1	152	.2	2	2	216	1.19	.302	15	150	1.13	62	.15	3	2.16	.02	.09	1
LR-90 L20+700N 20+050E	1	140	6	79	.1	50	23	583	6.93	3	5	ND	1	135	.3	2	2	189	1.09	.348	16	120	1.39	99	.21	2	2.23	.03	.27	1
LR-90 L20+700N 20+100E	1	61	4	96	.2	74	28	497	6.86	2	5	ND	1	130	.3	2	2	166	.87	.228	4	180	1.73	244	.34	3	2.13	.03	.34	1
LR-90 L20+700N 20+150E	1	137	9	72	.1	33	16	514	5.54	2	5	ND	1	100	.2	2	2	158	.66	.171	9	97	1.03	67	.19	3	1.62	.02	.11	1
LR-90 L20+700N 20+200E	1	250	3	101	.1	125	48	1100	8.97	5	5	ND	1	399	.4	2	2	241	2.14	.608	24	272	2.11	1013	.27	2	3.03	.06	1.29	1
LR-90 L20+700N 20+250E	1	93	8	73	.1	42	19	548	6.64	3	5	ND	1	101	.2	2	2	179	.76	.200	8	136	1.14	94	.21	2	1.61	.02	.11	1
LR-90 L20+700N 20+300E	1	205	4	81	.1	50	25	490	8.13	2	5	ND	1	149	.2	2	2	214	1.12	.329	12	138	1.35	140	.26	2	1.96	.03	.15	1
LR-90 L20+700N 20+350E	1	119	2	108	.1	54	31	973	7.97	3	5	ND	1	126	.2	2	2	199	.92	.221	8	130	1.44	116	.24	2	2.18	.02	.11	1
LR-90 L20+700N 20+400E	6	212	2	74	.1	51	32	890	8.31	2	5	ND	1	164	.2	2	2	217	1.23	.314	16	153	1.38	120	.22	2	2.08	.02	.05	1
LR-90 L20+700N 20+450E	3	485	2	129	.2	113	57	1548	9.71	8	5	ND	1	223	.8	2	2	237	1.63	.358	22	184	2.26	444	.39	2	3.50	.02	.40	1
LR-90 L20+700N 20+500E	3	261	4	103	.1	52	30	1048	7.95	4	5	ND	1	116	.2	2	2	209	.97	.194	9	133	1.30	189	.28	2	2.07	.02	.17	1
LR-90 L20+700N 20+550E	1	116	5	114	.1	48	29	1140	8.12	4	5	ND	1	112	.2	2	2	213	1.00	.311	11	116	1.28	161	.24	2	2.12	.02	.21	1
LR-90 L20+700N 20+600E	1	63	2	113	.1	40	34	3033	9.27	2	5	ND	1	51	.2	2	2	261	.60	.249	10	132	1.01	150	.26	2	1.82	.02	.16	1
LR-90 L20+700N 20+650E	4	119	7	107	.1	14	27	4300	7.36	3	5	ND	1	45	.4	2	2	209	.31	.161	5	26	.74	194	.12	3	2.04	.02	.15	1
LR-90 L20+700N 20+700E	7	203	2	82	.1	12	29	3568	8.90	6	5	ND	1	44	.4	3	2	206	.51	.281	6	19	.95	223	.19	3	2.30	.02	.28	1
LR-90 L20+300N 20+000E	2	231	9	96	.1	40	20	821	5.72	6	5	ND	1	98	.4	2	2	165	.79	.182	7	101	1.17	87	.21	4	1.83	.03	.19	1
LR-90 L20+300N 20+050E	1	141	10	84	.1	37	21	911	6.97	2	5	ND	1	108	.2	2	2	199	.59	.142	4	104	.96	79	.27	4	1.31	.03	.14	1
LR-90 L20+300N 20+100E	1	279	4	109	.1	47	23	685	7.01	5	5	ND	1	112	.2	2	2	182	1.15	.324	10	105	1.24	65	.22	3	1.96	.03	.11	1
LR-90 L20+300N 20+150E	1	149	11	73	.1	52	17	486	5.85	3	5	ND	1	117	.2	2	2	150	.68	.184	7	142	.96	103	.24	2	1.70	.02	.07	1
LR-90 L20+300N 20+200E	3	3529	13	220	.1	62	32	1224	6.51	6	5	ND	1	225	.2	2	2	155	1.40	.311	15	127	1.66	160	.24	2	2.25	.02	.30	1
LR-90 L20+300N 20+250E	1	2004	9	100	.1	71	27	690	6.84	4	5	ND	1	133	.2	2	2	166	1.12	.365	15	177	1.43	123	.22	3	1.94	.03	.29	1
STANDARD C/AU-S	19	62	37	133	7.0	73	31	1045	3.97	42	19	7	39	52	18.8	15	20	56	.51	.094	38	56	.89	178	.09	35	1.89	.07	.13	13

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: Soil -80 Mesh AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: AUG 20 1990

DATE REPORT MAILED:

Aug 25/90

SIGNED BY: *C. Leong* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. AS

C.E.C. Engineering Ltd. PROJECT LOR FILE # 90-3683

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	M
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm
LR-90 L20+300N 20+300E	1	971	6	148	.1	62	30	831	8.73	6	5	ND	1	143	1.0	2	3	213	1.13	.260	6	175	1.33	273	.30	2	1.94	.04	.20	1
LR-90 L20+300N 20+350E	1	155	6	189	.1	64	48	1206	9.97	7	5	ND	1	442	.9	2	2	258	2.50	.770	36	126	1.92	1301	.13	2	2.95	.06	1.16	1
LR-90 L20+300N 20+400E	1	350	17	89	.5	29	16	564	7.43	2	5	ND	1	76	.4	2	2	229	.60	.168	7	90	1.05	107	.29	2	2.31	.03	.15	1
LR-90 L20+300N 20+450E	1	131	10	152	.2	51	31	894	11.54	8	5	ND	2	194	.8	2	2	317	1.08	.259	10	191	1.24	183	.34	2	2.05	.04	.12	1
LR-90 L20+300N 20+500E	1	249	10	122	.1	71	34	753	9.11	8	5	ND	1	161	.5	2	2	215	1.67	.538	23	201	1.58	176	.24	2	2.68	.04	.36	1
LR-90 L20+300N 20+550E	1	624	13	162	.2	59	37	1326	12.38	9	5	ND	1	209	.9	2	5	335	1.39	.446	18	175	1.28	147	.27	3	2.53	.04	.15	1
LR-90 L20+300N 20+600E	1	335	7	216	.1	44	32	1537	7.61	9	5	ND	1	126	.5	2	2	189	1.97	.274	12	99	1.58	77	.26	2	2.69	.03	.24	1
LR-90 L20+300N 20+650E	1	3017	7	477	1.4	36	39	3126	9.31	13	6	ND	2	137	1.5	2	2	281	1.91	.413	26	73	1.88	166	.28	2	2.97	.05	.64	1
LR-90 L20+300N 20+700E	1	1270	10	348	.2	35	38	2206	7.42	11	9	ND	1	318	.8	3	2	203	2.31	.466	25	60	1.82	368	.26	2	2.42	.05	.33	1
LR-90 L20+300N 20+750E	1	1685	5	167	.1	67	40	1180	8.92	6	5	ND	1	408	.6	2	2	233	2.01	.658	25	122	1.50	134	.20	2	2.41	.04	.30	1
LR-90 L20+300N 20+800E	1	785	8	131	.1	31	31	1029	6.29	4	5	ND	1	307	.2	2	2	181	1.30	.371	16	55	1.57	291	.11	3	2.34	.03	.18	1
LR-90 L20+300N 20+850E	1	156	2	110	.1	119	35	895	7.20	5	5	ND	1	94	.3	2	2	182	1.04	.285	16	252	2.18	194	.30	4	2.64	.03	.90	1
LR-90 L20+200N 20+000E	1	425	4	125	.1	61	35	896	9.47	9	5	ND	1	221	.7	2	2	249	2.14	.672	28	148	1.42	147	.14	2	1.84	.04	.18	1
LR-90 L20+200N 20+050E	1	792	12	145	.1	81	38	1091	8.65	8	5	ND	2	248	.6	2	2	201	1.81	.540	23	183	1.72	161	.21	4	2.48	.04	.53	1
LR-90 L20+200N 20+100E	5	1580	9	172	.1	49	30	1656	6.18	10	5	ND	1	210	.6	2	2	188	1.36	.407	24	122	1.45	276	.07	5	2.74	.03	.17	2
LR-90 L20+200N 20+150E	1	349	9	155	.1	71	33	1059	8.31	11	5	ND	1	188	.8	2	2	205	1.60	.452	20	165	1.80	111	.19	3	2.74	.03	.28	1
LR-90 L20+200N 20+200E	1	442	6	126	.1	72	31	949	7.05	5	5	ND	1	162	.4	2	2	170	1.15	.305	14	140	1.51	61	.21	4	2.31	.04	.18	1
LR-90 L20+200N 20+250E	5	10974	25	348	1.1	46	34	1813	5.59	7	5	ND	1	364	.7	2	2	147	1.46	.261	16	67	2.05	206	.19	2	3.16	.03	.21	1
LR-90 L20+200N 20+300E	2	189	12	157	.1	63	26	1220	7.70	4	5	ND	1	97	.5	2	3	193	.85	.197	7	158	1.58	184	.22	2	2.26	.02	.09	1
LR-90 L20+200N 20+350E	1	490	7	114	.1	72	52	1174	12.03	8	5	ND	1	135	.8	2	6	298	1.01	.226	8	279	1.18	558	.27	2	1.82	.03	.31	1
LR-90 L20+200N 20+400E	7	5746	13	330	.2	50	36	1670	6.79	7	5	ND	1	402	.7	2	2	178	1.81	.309	18	116	1.97	247	.19	2	3.06	.03	.24	1
LR-90 L20+200N 20+450E	3	2130	27	310	.3	14	18	2099	6.65	6	5	ND	1	130	.6	2	2	241	.85	.187	7	30	1.25	187	.28	3	2.42	.03	.53	1
LR-90 L20+200N 20+500E	8	3916	20	557	2.1	22	29	3493	9.13	26	5	ND	3	73	1.3	2	2	265	.79	.211	12	39	1.45	175	.40	3	2.81	.04	.68	1
LR-90 L20+200N 20+550E	1	115	5	287	.1	136	55	2614	10.82	7	5	ND	1	190	1.3	2	3	259	1.72	.451	20	372	2.17	947	.27	2	3.69	.05	1.68	1
LR-90 L20+200N 20+600E	1	519	2	340	.1	44	44	1795	11.17	12	5	ND	1	249	1.1	2	2	328	2.32	.672	45	102	1.60	487	.14	2	2.90	.05	.75	1
LR-90 L20+200N 20+650E	1	1846	15	280	.1	33	27	1413	6.65	6	5	ND	1	159	.4	2	2	185	1.43	.273	15	65	1.50	119	.22	5	2.70	.03	.26	1
LR-90 L20+200N 20+700E	1	1422	6	353	.1	33	37	2002	7.48	9	5	ND	1	150	.5	2	2	192	1.34	.312	16	56	1.68	154	.23	2	2.73	.03	.38	1
LR-90 L20+200N 20+750E	1	186	4	144	.1	77	34	967	7.29	6	5	ND	1	173	.3	2	2	167	1.48	.324	13	219	1.97	266	.28	2	2.47	.04	.36	1
LR-90 L20+100N 20+000E	1	743	7	125	.3	42	22	698	7.84	7	5	ND	1	114	.2	2	4	214	1.10	.310	13	130	1.04	93	.13	2	1.70	.03	.10	1
LR-90 L20+100N 20+050E	1	4195	16	198	.8	61	39	1400	9.18	11	5	ND	2	137	.6	2	7	256	1.40	.424	25	162	1.53	257	.26	2	2.35	.03	.51	1
LR-90 L20+100N 20+100E	1	1282	19	172	.3	78	44	1289	8.22	9	5	ND	1	226	1.0	2	2	196	2.00	.489	24	206	2.22	334	.25	4	2.68	.04	.78	1
LR-90 L20+100N 20+150E	1	1050	9	227	.1	56	37	1717	9.61	10	5	ND	2	151	.8	2	3	259	1.62	.461	25	177	1.70	188	.16	2	2.25	.03	.39	1
LR-90 L20+100N 20+200E	5	3061	23	251	.3	66	44	1832	8.46	9	5	ND	3	194	1.2	2	2	195	1.77	.499	29	167	2.10	301	.23	2	2.64	.04	.79	1
LR-90 L20+100N 20+250E	4	10290	18	315	1.5	49	37	2068	8.71	11	5	ND	2	159	.8	2	2	257	1.31	.355	18	97	1.49	137	.23	2	2.02	.04	.41	1
LR-90 L20+100N 20+300E	3	11703	27	272	5.0	32	33	2095	10.69	8	5	ND	5	331	1.3	2	4	332	1.62	.406	24	69	1.22	135	.17	2	2.25	.03	.27	1
LR-90 L20+100N 20+350E	4	4716	17	297	.1	30	29	1660	5.95	4	5	ND	1	317	.4	2	3	158	1.60	.276	15	54	1.77	152	.15	3	2.83	.03	.14	1
STANDARD C/AU-S	20	61	41	134	7.0	73	31	1045	3.95	39	23	7	40	53	19.0	15	19	55	.51	.098	38	58	.89	180	.09	36	1.89	.06	.13	11

C.E.C. Engineering Ltd. PROJECT LOR FILE # 90-3683

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 %	
LR-90 L20+100N 20+400E	2	5822	24	260	.2	29	26	1692	5.39	8	5	ND	1	233	.3	2	2	152	1.33	212	11	52	1.77	139	.20	3	2.76	.03	.34	1
LR-90 L20+100N 20+500E	1	2190	14	170	.4	53	27	1413	5.95	6	5	ND	1	245	.6	2	2	143	1.34	206	15	109	1.60	129	.20	4	1.99	.03	.36	1
LR-90 L20+100N 20+550E	1	1726	15	175	.1	64	31	1230	6.67	4	5	ND	1	209	.5	2	2	152	1.73	350	20	156	1.85	104	.20	3	2.15	.03	.30	1
LR-90 L20+100N 20+600E	1	368	15	86	.1	92	35	656	9.11	6	5	ND	1	211	.4	2	2	196	1.71	461	18	295	1.60	234	.24	2	1.95	.03	.64	1
LR-90 L20+100N 20+650E	1	374	19	140	.2	50	29	881	6.69	9	5	ND	1	316	.5	2	2	186	1.65	333	16	107	1.71	208	.18	3	2.30	.03	.22	1
LR-90 L20+100N 20+700E	1	1035	11	140	.1	83	37	1448	5.89	10	5	ND	1	244	.6	2	2	147	1.71	376	22	128	2.55	240	.21	2	3.01	.03	.65	1
LR-90 L20+000N 20+000E	1	13757	37	473	3.7	53	52	2616	10.49	15	5	ND	3	159	2.1	2	17	308	1.90	617	33	63	1.67	219	.19	3	2.71	.03	.76	1
LR-90 L20+000N 20+050E	1	2974	13	197	.5	17	27	1389	6.34	8	5	ND	1	59	.6	2	2	190	.62	145	5	19	1.38	73	.29	3	2.17	.02	.39	1
LR-90 L20+000N 20+100E	105	3769	43	190	2.2	11	18	1045	9.38	19	5	ND	3	120	.8	2	2	200	.55	308	25	28	.99	152	.22	4	2.16	.06	.72	1
LR-90 L20+000N 20+150E	1	1532	16	241	.2	16	20	1850	7.44	4	5	ND	1	37	.3	2	2	278	.41	099	5	19	1.28	88	.30	3	2.23	.02	.35	1
LR-90 L19+900N 20+000E	1	1098	9	123	.1	83	28	1199	5.87	7	5	ND	1	119	.3	2	2	141	1.64	372	17	153	2.06	147	.21	2	2.20	.04	.74	1
LR-90 L19+900N 20+050E	8	5575	67	422	1.9	32	33	3880	10.70	47	5	ND	1	54	1.9	97	2	319	.72	183	26	40	1.02	222	.11	2	2.54	.02	.20	1
LR-90 L19+900N 20+100E	1	5574	19	398	.9	28	31	2535	8.85	9	5	ND	2	58	1.2	2	2	340	.82	147	11	42	1.23	129	.26	3	2.31	.02	.41	1
LR-90 L19+900N 20+150E	1	4185	10	321	.4	22	24	1653	8.72	5	5	ND	2	59	.8	2	6	314	.50	102	7	23	1.02	84	.23	2	2.07	.02	.24	1
LR-90 L19+900N 20+200E	1	13581	10	269	1.8	21	22	1939	6.56	5	5	ND	1	44	.6	2	6	228	.55	184	13	22	.97	71	.13	6	2.03	.01	.14	1
LR-90 L19+900N 20+250E	1	6072	16	274	.9	30	24	2377	4.24	8	5	ND	2	65	.5	2	2	152	.76	177	10	27	1.88	122	.28	9	2.78	.03	.56	1
LR-90 L19+800N 20+000E	1	3589	25	167	.2	55	39	1236	7.97	9	5	ND	1	262	.6	2	2	203	2.31	726	29	86	1.82	462	.17	2	2.56	.04	.87	1
LR-90 L19+800N 20+050E	1	3416	25	226	.4	37	43	1494	8.71	5	5	ND	2	340	.8	2	2	233	2.45	805	36	51	1.83	636	.16	2	2.88	.04	.81	1
LR-90 L19+800N 20+100E	1	13739	109	372	2.9	27	29	3024	6.86	7	5	ND	5	114	1.5	2	10	238	1.17	329	22	57	1.75	103	.21	2	2.53	.03	.31	1
LR-90 L19+800N 20+127E	1	12437	91	362	1.4	26	25	2199	6.02	5	5	ND	2	93	.8	2	2	241	.92	254	18	51	1.54	116	.22	2	2.53	.02	.25	1
LR-90 L19+700N 20+000E	1	10691	21	204	4.1	18	22	1762	5.35	10	5	ND	9	139	.2	2	2	188	1.50	446	40	24	1.07	77	.14	4	1.65	.03	.20	1
LR-90 L19+700N 20+050E	1	9766	23	207	4.9	21	24	1952	6.57	15	8	ND	20	153	.3	2	2	224	2.08	623	72	34	1.04	73	.13	4	1.75	.03	.19	1
LR-90 L19+700N 20+100E	1	7733	26	213	1.0	21	27	1675	6.84	11	6	ND	7	268	.6	2	2	192	1.72	385	29	34	1.19	157	.18	2	2.01	.04	.32	1
LR-90 L19+700N 20+150E	4	4826	13	254	.7	21	31	1194	6.14	11	6	ND	7	464	.8	2	2	194	1.94	929	33	30	1.21	200	.12	4	2.74	.03	.52	1
LR-90 L19+600N 20+000E	1	12202	13	166	.4	56	32	1246	8.45	11	5	ND	2	232	.5	2	8	210	1.88	532	24	128	1.13	90	.17	3	1.94	.02	.13	1
LR-90 L19+600N 20+300E	2	2347	69	220	.4	12	20	2307	5.70	8	5	ND	1	187	.2	2	2	157	1.34	241	18	21	1.12	76	.09	7	2.33	.03	.08	1
LR-90 L19+600N 20+350E	1	3134	47	337	.4	16	26	3488	6.24	6	5	ND	3	142	1.0	2	2	164	1.97	232	20	25	1.52	78	.14	2	2.71	.02	.15	1
LR-90 L19+600N 20+384E	2	799	39	101	1.2	7	12	1587	4.60	3	5	ND	1	262	.2	2	2	153	1.19	116	10	15	.66	120	.06	3	1.42	.02	.07	1
LR-90 L19+500N 20+000E	6	846	16	239	.1	67	41	1305	7.04	7	5	ND	1	267	.5	2	2	183	1.74	415	19	106	1.65	163	.12	3	2.40	.02	.11	1
LR-90 L19+500N 20+050E	5	1128	24	181	.1	16	17	1114	5.55	9	5	ND	1	224	.4	2	2	173	1.71	268	24	32	1.06	73	.06	3	1.86	.02	.08	3
LR-90 L19+500N 20+100E	5	1417	21	200	.1	17	20	1479	5.42	10	5	ND	1	275	.2	2	2	175	1.48	177	21	32	1.16	109	.05	2	2.35	.02	.08	4
LR-90 L19+500N 20+150E	1	524	20	154	.2	9	15	1333	4.72	2	5	ND	1	206	.2	2	2	141	1.48	185	12	16	1.00	89	.06	2	1.98	.02	.07	1
LR-90 L19+500N 20+200E	1	2267	20	255	.2	14	21	2038	6.19	5	5	ND	1	237	.3	2	2	176	1.69	218	21	21	1.26	117	.10	3	2.18	.02	.14	1
LR-90 L19+500N 20+250E	1	2699	18	273	.3	16	22	1933	6.65	8	5	ND	2	234	.3	2	2	191	1.61	209	21	24	1.26	124	.10	3	2.20	.02	.14	1
LR-90 L19+500N 20+300E	1	751	11	150	.1	12	19	1860	5.04	4	5	ND	1	284	.2	2	2	134	1.53	230	19	18	1.10	116	.07	2	2.48	.02	.14	1
LR-90 L19+500N 20+350E	2	343	69	142	.2	17	26	2075	5.94	2	5	ND	1	334	.2	2	2	159	.55	164	7	34	.76	252	.08	2	1.90	.02	.08	1
STANDARD C/AU-S	19	61	42	131	6.9	72	31	1045	3.95	39	18	6	40	52	18.6	15	19	55	.51	094	38	57	.89	176	.09	35	1.89	.06	.14	11

C.E.C. Engineering Ltd. PROJECT LOR FILE # 90-3683

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Tl	B	Al	Na	K	W
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm
LR-90 L19+400N 20+000E	2	23	3	146	.1	86	45	735	9.57	10	9	ND	1	85	1.5	2	2	224	.92	.228	16	214	1.82	77	.33	2	1.70	.02	.04	2
LR-90 L19+400N 20+050E	4	82	6	85	.5	38	24	891	6.23	3	5	ND	1	107	1.0	2	2	191	.99	.089	5	134	1.11	125	.22	2	1.77	.02	.09	2
LR-90 L19+400N 20+100E	11	128	4	223	.3	51	36	3201	6.61	11	5	ND	1	250	1.3	2	2	198	1.69	.158	14	162	2.06	143	.15	2	2.61	.02	.11	2
LR-90 L19+400N 20+150E	4	79	16	93	.3	40	25	960	6.83	2	5	ND	1	111	1.3	2	2	200	1.05	.083	5	144	1.19	129	.24	3	1.84	.02	.09	1
LR-90 L19+400N 20+200E	49	542	21	100	.7	12	32	1856	8.33	51	5	ND	1	125	.9	2	3	191	.36	.245	8	32	.51	86	.06	2	2.06	.02	.06	1
LR-90 L19+400N 20+250E	2	203	2	258	.1	15	30	2131	4.95	5	5	ND	1	155	1.1	2	2	118	1.41	.109	5	38	2.10	111	.11	4	2.58	.02	.20	1
LR-90 L19+400N 20+300E	3	62	9	54	.1	19	13	454	5.75	2	5	ND	1	72	1.1	2	2	155	.69	.065	5	118	.36	78	.12	2	1.38	.02	.05	1
LR-90 L19+400N 20+350E	7	1785	24	143	.4	25	35	1785	4.56	13	5	ND	1	369	.6	2	2	148	1.73	.345	32	49	1.16	216	.03	4	2.48	.02	.05	9
LR-90 L19+400N 20+450E	3	454	27	205	.2	36	52	2423	7.24	5	5	ND	3	253	1.5	2	2	203	2.21	.550	34	58	1.93	216	.13	4	2.00	.02	.23	2
LR-90 L19+300N 20+000E	14	70	4	66	.2	29	18	650	6.00	6	5	ND	1	139	1.0	2	2	226	1.28	.155	10	206	.80	103	.18	2	1.20	.02	.08	1
LR-90 L19+300N 20+050E	2	39	8	83	.2	48	31	1199	7.77	7	5	ND	1	93	.5	2	2	207	1.13	.139	7	143	.85	79	.20	2	1.01	.02	.11	1
LR-90 L19+300N 20+100E	6	79	9	159	.1	109	62	1074	10.47	14	5	ND	2	326	1.8	2	2	242	2.94	.816	31	184	2.65	58	.17	8	2.31	.03	.19	3
LR-90 L19+300N 20+150E	1	21	10	168	.1	112	65	1217	11.51	13	5	ND	4	182	2.0	2	4	254	2.82	.814	34	207	2.90	95	.12	4	2.34	.04	.54	2
LR-90 L19+300N 20+200E	2	45	11	129	.2	102	40	967	8.32	9	5	ND	1	163	1.3	2	2	188	.84	.197	7	288	2.76	139	.32	5	2.65	.03	.15	1
LR-90 L19+300N 20+250E	4	91	15	109	.3	14	16	1729	5.14	8	5	ND	1	110	.8	2	2	164	.43	.143	8	40	.89	78	.06	3	2.87	.02	.06	3
LR-90 L19+300N 20+300E	1	89	11	99	.1	70	25	634	5.02	2	5	ND	1	113	.5	2	2	124	.71	.151	10	193	2.15	121	.18	2	2.66	.02	.14	1
LR-90 L19+300N 20+350E	39	235	9	125	.1	32	19	661	6.49	5	5	ND	1	165	.8	2	2	191	1.06	.136	11	105	1.19	83	.12	2	2.67	.02	.05	3
LR-90 L19+300N 20+400E	8	7749	2	79	.8	12	1	337	.77	3	53	ND	1	743	.8	2	2	36	3.02	.269	18	52	.28	200	.02	7	.85	.02	.05	1
LR-90 L19+300N 20+450E	4	211	12	129	.1	15	26	1935	5.34	4	5	ND	1	94	.3	2	2	132	.99	.343	19	26	1.13	103	.03	3	2.03	.02	.23	3
LR-90 L19+300N 20+500E	3	133	16	176	.2	18	22	1798	4.95	4	5	ND	1	110	.7	2	2	132	1.34	.252	15	39	1.48	128	.03	4	2.37	.02	.07	2
LR-90 L19+300N 20+550E	3	119	18	214	.1	11	27	2377	4.88	8	5	ND	1	89	.8	2	2	98	1.93	.162	14	15	1.39	95	.04	3	2.81	.02	.12	3
LR-90 L19+300N 20+600E	3	76	15	131	.1	11	27	3263	4.84	2	5	ND	1	77	.8	2	2	120	.98	.185	15	21	.60	240	.03	5	1.60	.01	.15	2
LR-90 L19+300N 20+650E	2	97	18	130	.3	15	24	2699	4.98	4	5	ND	1	117	.8	2	2	128	1.45	.222	13	17	1.01	185	.10	2	1.73	.01	.18	1
LR-90 L19+300N 20+700E	2	120	18	95	.6	14	25	2081	7.21	4	5	ND	1	44	.9	2	2	210	1.02	.171	8	16	.68	123	.17	3	1.53	.01	.19	1
LR-90 L19+300N 20+750E	1	117	11	180	.1	41	39	2334	7.84	14	5	ND	1	139	1.4	2	2	255	3.88	.421	31	26	2.88	493	.13	2	3.47	.02	1.18	2
LR-90 L19+100N 20+000E	5	44	9	108	.1	46	25	781	6.66	5	5	ND	1	149	.5	2	2	166	1.03	.152	10	145	1.59	158	.15	2	3.02	.02	.11	2
LR-90 L19+100N 20+050E	1	52	7	113	.1	95	43	1011	8.62	12	6	ND	2	182	1.1	2	2	181	1.41	.193	12	334	2.43	88	.17	5	2.47	.03	.50	1
LR-90 L19+100N 20+100E	2	49	9	151	.1	78	47	1664	7.80	9	5	ND	1	181	.9	2	2	183	1.77	.543	29	135	2.48	123	.10	4	2.15	.02	.27	1
LR-90 L19+100N 20+150E	1	18	11	253	.1	14	20	2410	4.42	8	5	ND	1	124	.6	2	2	98	3.44	.067	11	27	1.63	64	.12	2	2.51	.02	.05	2
LR-90 L19+100N 20+200E	2	208	7	135	.1	43	29	1375	6.20	4	5	ND	1	155	.6	2	2	144	1.15	.194	13	100	1.87	134	.09	2	2.26	.02	.10	1
LR-90 L19+100N 20+250E	2	40	8	88	.1	32	21	1313	8.55	8	5	ND	1	44	.3	2	2	262	.77	.075	5	145	.69	84	.15	4	1.18	.02	.14	1
LR-90 L19+100N 20+300E	2	92	12	103	.2	45	22	820	8.36	7	5	ND	1	99	.8	2	2	218	1.02	.199	10	164	1.31	70	.13	5	1.89	.02	.08	1
LR-90 L19+100N 20+350E	2	470	13	130	.2	57	26	891	7.29	7	5	ND	1	180	.8	2	2	172	1.22	.237	12	170	1.69	87	.13	2	2.35	.02	.10	1
LR-90 L19+100N 20+400E	3	281	14	224	.3	81	30	878	6.93	7	5	ND	1	74	.8	2	2	191	.85	.145	12	161	2.85	325	.21	4	2.63	.03	.65	1
LR-90 L19+100N 20+450E	1	13	2	89	.1	119	41	1052	7.07	4	5	ND	1	172	1.1	2	2	139	1.44	.289	14	401	3.17	313	.26	4	2.37	.03	.45	1
LR-90 L19+100N 20+500E	2	85	10	122	.2	89	43	936	9.14	10	5	ND	1	146	1.3	2	2	199	1.30	.329	18	211	2.34	127	.20	4	2.15	.03	.14	1
STANDARD C/AU-S	19	59	43	131	6.7	72	32	1049	3.95	40	19	7	40	53	18.7	16	19	56	.51	.092	37	56	.91	179	.07	33	1.89	.06	.14	12

C.E.C. Engineering Ltd. PROJECT LOR FILE # 90-3683

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm
LR-90 L19+100N 20+550E	5	21	3	80	.1	144	43	1055	6.30	9	5	ND	3	166	1.3	3	2	160	1.98	373	21	403	3.56	398	37	7	2.80	.02	.68	1
LR-90 L19+100N 20+600E	3	55	11	118	.1	66	32	795	7.86	7	5	ND	1	105	1.5	2	2	183	1.06	157	8	306	1.77	139	24	5	1.73	.03	.13	2
LR-90 L19+100N 20+650E	3	291	15	183	.2	107	47	2651	7.13	10	5	ND	1	139	.9	2	2	185	2.28	239	20	256	3.31	230	18	2	2.73	.02	.56	3
LR-90 L18+700N 20+000E	3	372	11	151	.4	54	29	1232	8.14	7	5	ND	1	57	1.4	2	2	217	.52	122	4	129	1.09	67	21	2	1.55	.02	.08	1
LR-90 L18+700N 20+050E	4	431	14	172	.3	64	30	1281	8.52	10	5	ND	1	58	.6	2	2	216	.52	133	4	137	1.19	60	23	4	1.69	.02	.08	1
LR-90 L18+700N 20+150E	2	291	14	173	.3	103	33	1013	7.01	10	5	ND	1	95	.8	4	3	177	.99	177	11	261	2.18	114	23	4	2.30	.03	.37	1
LR-90 L18+700N 20+200E	2	417	18	110	.2	55	29	3068	5.88	4	5	ND	1	98	.2	2	5	173	.64	153	10	183	1.02	135	07	2	1.44	.02	.07	1
LR-90 L18+700N 20+250E	1	477	14	98	.1	60	20	961	5.13	3	5	ND	1	65	.2	3	2	164	.72	127	10	147	1.10	50	12	7	1.29	.02	.05	1
LR-90 L18+700N 20+300E	1	38	2	90	.1	88	36	940	5.99	5	5	ND	1	69	.2	2	5	130	1.08	110	11	232	2.23	88	20	2	1.95	.02	.38	1
LR-90 L18+700N 20+350E	1	246	14	97	.1	95	40	958	6.88	5	5	ND	1	180	.2	3	2	145	1.40	215	15	223	2.51	120	19	2	2.13	.03	.58	1
LR-90 L18+700N 20+400E	1	108	11	106	.1	86	40	1100	8.69	8	5	ND	1	167	1.5	2	2	182	1.48	313	19	226	2.27	132	17	5	1.83	.03	.38	1
LR-90 L18+700N 20+450E	1	75	2	106	.1	83	37	1168	7.03	4	5	ND	1	125	.3	2	2	165	1.19	212	14	187	2.01	139	17	2	1.86	.03	.42	1
LR-90 L18+700N 20+500E	1	62	4	87	.1	92	36	736	7.32	5	5	ND	1	258	.9	2	2	147	1.57	333	19	255	2.20	108	21	6	1.68	.04	.59	1
LR-90 L18+700N 20+550E	1	24	2	120	.2	94	34	907	6.89	13	5	ND	2	138	1.2	3	2	182	1.91	327	17	261	2.12	190	25	4	1.95	.03	.70	1
LR-90 L18+700N 20+600E	2	908	2	120	.2	76	38	1021	5.92	7	5	ND	1	140	.5	2	2	143	1.58	333	19	154	2.16	78	20	2	1.82	.02	.32	1
LR-90 L18+700N 20+650E	2	527	4	96	.5	85	35	869	6.32	9	5	ND	2	125	.8	3	2	143	1.21	257	16	161	2.00	119	22	8	1.74	.03	.52	1
LR-90 L18+700N 20+700E	2	68	14	142	.1	79	42	1522	9.17	8	5	ND	1	144	1.4	2	2	225	1.44	214	13	251	1.90	191	17	4	1.86	.02	.29	1
LR-90 L18+700N 20+750E	2	558	16	166	.2	78	43	1424	7.77	9	5	ND	1	223	1.4	2	2	195	1.51	277	19	197	2.48	186	19	7	2.47	.03	.61	1
LR-90 L18+700N 20+800E	1	137	3	107	.4	97	45	1437	7.89	10	5	ND	2	137	1.1	2	3	174	2.08	356	20	220	3.03	141	18	2	2.29	.02	.61	1
LR-90 L18+600N 20+000E	7	336	46	125	.3	88	45	1012	8.83	9	5	ND	1	141	.6	2	2	185	1.53	438	23	250	2.19	69	10	2	2.25	.03	.30	2
LR-90 L18+600N 20+050E	3	32	15	104	.4	75	42	1767	8.48	9	7	ND	1	115	.8	2	2	186	1.09	252	13	242	1.81	107	11	3	1.72	.03	.22	1
LR-90 L18+600N 20+100E	2	43	7	105	.2	84	39	1254	8.67	6	5	ND	1	96	.8	2	2	178	.74	140	8	291	1.66	73	20	2	1.99	.03	.10	1
LR-90 L18+600N 20+150E	1	54	13	100	.1	99	41	878	9.00	8	5	ND	2	161	.7	2	2	169	1.14	241	17	373	2.25	93	17	4	2.15	.03	.42	1
LR-90 L18+600N 20+200E	2	25	12	161	.2	118	49	1066	9.24	7	8	ND	1	59	1.1	2	3	180	.75	084	6	394	2.70	133	23	6	2.42	.02	.45	1
LR-90 L18+600N 20+250E	1	80	3	106	.2	68	32	751	4.52	5	5	ND	1	161	.5	2	4	90	1.27	214	14	172	3.18	109	12	2	2.62	.02	.23	1
LR-90 L18+600N 20+300E	1	41	10	103	.3	72	35	1022	8.46	9	5	ND	1	318	.8	2	2	183	1.32	291	17	194	1.51	124	15	4	1.96	.02	.16	1
LR-90 L18+600N 20+350E	2	37	9	88	.2	61	33	955	8.76	8	5	ND	1	217	.5	2	2	200	1.27	220	14	180	1.44	123	16	5	1.76	.02	.11	1
LR-90 L18+600N 20+400E	1	48	9	83	.5	88	38	813	7.23	8	5	ND	3	272	.4	3	2	131	1.94	534	27	195	2.37	175	18	7	1.66	.03	.60	1
LR-90 L18+600N 20+450E	1	55	2	74	.1	81	37	708	7.70	6	5	ND	1	349	.8	2	2	153	1.37	313	18	186	1.85	153	19	6	1.59	.03	.53	1
LR-90 L18+600N 20+500E	5	838	30	96	.9	30	28	768	7.90	16	5	ND	1	243	1.5	2	3	175	.86	176	9	48	2.08	275	29	2	2.89	.03	.87	1
LR-90 L18+600N 20+550E	2	802	14	265	.6	75	47	2148	6.76	7	5	ND	1	604	1.3	3	2	154	1.57	250	18	99	3.65	202	20	2	3.57	.03	.80	1
LR-90 L18+600N 20+600E	2	1078	15	325	.5	60	40	2331	6.62	10	5	ND	2	363	1.1	2	3	179	1.77	329	21	83	3.18	200	22	2	3.25	.04	.87	1
LR-90 L18+600N 20+700E	1	445	5	166	.6	52	31	1402	6.45	8	5	ND	2	444	1.3	2	2	205	3.57	397	21	107	2.81	167	25	2	2.61	.02	1.07	1
LR-90 L18+600N 20+750E	2	652	18	541	.3	27	24	2540	7.82	18	5	ND	3	84	1.1	2	2	301	1.24	324	20	55	2.40	89	24	2	2.74	.03	.70	1
LR-90 L18+500N 20+000E	5	158	19	84	1.1	13	13	1117	6.74	13	5	ND	1	82	.8	3	2	182	.59	154	9	70	.43	134	09	4	1.87	.01	.15	1
LR-90 L18+500N 20+050E	8	160	18	78	1.0	8	9	560	7.31	12	5	ND	1	71	.8	4	4	161	.35	172	11	42	.30	143	09	4	1.94	.02	.11	1
STANDARD C/AU-S	19	57	40	131	7.0	72	32	1053	3.98	41	17	6	38	53	18.8	15	23	55	.52	092	38	58	.90	181	07	37	1.89	.06	.14	11

C.E.C. Engineering Ltd. PROJECT LOR FILE # 90-3683

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Tl	B	Al	Na	K	W
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm
LR-90 L18+500N 20+100E	5	157	17	175	.7	29	19	1060	8.47	22	11	ND	1	63	.3	2	4	168	.37	.169	7	136	.67	118	.08	5	1.73	.02	.12	2
LR-90 L18+500N 20+150E	3	121	5	128	.2	71	31	863	8.19	17	5	ND	1	93	.5	3	2	151	.58	.125	8	269	1.80	66	.14	8	2.21	.02	.10	1
LR-90 L18+500N 20+200E	2	34	2	111	.1	93	37	758	8.36	4	6	ND	1	154	.7	2	2	153	.76	.120	7	296	2.32	91	.18	5	2.26	.02	.07	1
LR-90 L18+500N 20+250E	1	34	2	118	.3	74	38	1158	8.74	7	6	ND	1	195	.7	2	2	181	1.35	.310	17	171	1.64	130	.16	4	1.79	.02	.17	2
LR-90 L18+500N 20+300E	1	24	2	111	.2	68	36	1301	8.29	3	5	ND	1	178	.4	2	2	170	1.24	.270	15	202	1.54	137	.14	3	1.70	.02	.17	1
LR-90 L18+500N 20+350E	1	46	2	92	.1	71	36	1031	7.37	3	5	ND	1	227	.2	2	2	154	1.30	.237	14	138	1.90	133	.11	5	2.18	.02	.34	1
LR-90 L18+500N 20+400E	1	30	6	68	.3	39	24	1424	7.64	7	5	ND	1	220	.7	3	2	177	.63	.151	6	134	1.00	110	.09	4	1.46	.02	.10	1
LR-90 L18+500N 20+450E	1	36	2	68	.1	64	29	620	6.06	3	5	ND	1	196	.7	2	2	128	.96	.142	8	108	1.50	147	.19	5	1.47	.04	.54	1
LR-90 L18+500N 20+500E	1	97	3	96	.6	101	39	933	6.90	8	5	ND	2	495	.4	2	2	117	2.22	.517	28	241	3.20	133	.18	4	2.34	.05	.80	1
LR-90 L18+500N 20+550E	1	74	2	118	.3	115	44	1083	6.86	9	5	ND	4	168	1.3	2	3	129	1.56	.322	19	233	3.71	152	.27	2	2.50	.05	1.03	1
LR-90 L18+500N 20+600E	1	400	13	225	.2	57	30	1839	6.32	4	5	ND	4	302	1.6	2	2	165	1.52	.251	17	100	2.30	129	.21	5	2.15	.06	.63	1
LR-90 L6+00N 4+00W	4	212	2	194	.3	21	22	1320	5.44	6	5	ND	1	117	.4	2	2	125	1.38	.272	20	30	1.59	99	.06	5	2.99	.02	.08	3
LR-90 L6+00N 3+50W	3	784	2	120	.5	23	21	1268	8.03	6	5	ND	1	87	.2	2	2	224	.94	.301	19	54	.92	98	.09	4	2.01	.02	.08	1
LR-90 L6+00N 3+00W	3	555	14	115	.5	20	20	2001	5.30	2	5	ND	1	66	.2	3	2	143	.56	.136	11	34	.76	99	.06	6	1.88	.02	.06	2
LR-90 L6+00N 2+50W	2	469	7	67	.4	11	11	1074	3.49	2	5	ND	1	50	.2	3	2	105	.31	.099	6	22	.36	49	.04	2	1.58	.02	.07	2
LR-90 L6+00N 2+00W	3	790	7	120	.4	16	20	2284	5.33	6	5	ND	1	67	.2	2	2	157	.50	.240	13	32	.67	78	.07	6	2.61	.02	.08	2
LR-90 L6+00N 1+50W	2	2778	8	134	.6	29	19	887	7.18	10	5	ND	4	78	1.1	4	2	209	1.01	.289	29	61	.91	84	.10	3	2.07	.02	.06	1
LR-90 L6+00N 1+00W	2	1095	8	163	.6	25	18	1554	6.14	2	5	ND	1	62	.2	2	3	179	.63	.164	12	62	.93	84	.09	8	1.96	.02	.09	2
LR-90 L6+00N 0+50W	2	506	5	147	.4	25	17	1080	6.54	5	5	ND	1	65	.4	4	3	197	.52	.100	7	61	1.04	80	.17	5	1.74	.02	.09	1
LR-90 L6+00N 0+00 BL	3	810	12	149	.5	43	23	1287	7.33	9	6	ND	2	81	.9	3	5	192	.99	.254	17	115	1.39	93	.16	4	2.15	.03	.24	1
LR-90 L6+00N 0+50E	2	1009	7	205	.1	49	26	1553	6.70	8	5	ND	1	236	.9	2	2	178	1.24	.310	20	126	2.11	146	.17	4	2.60	.03	.20	1
LR-90 L6+00N 1+00E	3	323	13	230	.1	97	33	1823	5.68	11	5	ND	1	118	.7	4	7	144	1.42	.288	25	121	3.47	150	.21	6	3.29	.03	.81	1
LR-90 L6+00N 1+50E	7	123	4	114	.5	44	27	1616	7.25	5	5	ND	1	100	.6	2	3	203	1.05	.215	13	142	1.27	245	.13	4	1.48	.02	.15	1
LR-90 L6+00N 1+80E	2	654	19	86	1.2	13	12	2152	3.19	5	10	ND	1	55	.3	3	2	50	.45	.123	24	29	.36	144	.03	4	1.07	.01	.14	2
LR-90 5+00N 5+00W	3	279	7	122	.1	88	35	1417	7.20	4	7	ND	2	309	.7	2	2	179	1.37	.316	22	149	2.97	237	.26	3	2.54	.03	.45	1
LR-90 5+00N 4+50W	3	175	10	174	.1	13	20	2081	5.22	5	5	ND	1	115	.2	3	2	129	1.23	.201	16	27	1.23	78	.05	2	2.56	.02	.09	1
LR-90 5+00N 4+00W	6	336	13	261	.5	17	28	2513	6.19	5	7	ND	1	133	.3	5	4	150	1.02	.216	25	24	1.43	104	.06	5	2.67	.02	.12	3
LR-90 5+00N 3+50W	2	281	9	107	.3	18	17	1810	4.12	4	5	ND	1	134	.2	4	2	110	.66	.160	9	42	.89	162	.07	2	2.03	.02	.08	1
LR-90 5+00N 3+00W	4	651	3	265	.4	11	26	3606	5.53	6	5	ND	1	84	.2	2	4	143	1.10	.194	14	23	1.33	83	.04	6	3.34	.02	.09	1
LR-90 5+00N 2+50W	3	4464	11	303	.4	23	20	1475	4.76	8	5	ND	2	161	.4	2	2	122	1.31	.250	29	36	1.79	102	.08	4	3.09	.03	.10	1
LR-90 5+00N 2+00W	4	3748	20	224	2.4	24	27	1948	7.24	11	5	ND	1	99	.2	5	2	202	.98	.293	23	52	1.51	66	.10	7	2.84	.02	.11	1
LR-90 5+00N 1+50W	2	591	9	164	.4	20	23	2210	6.32	8	5	ND	1	79	.5	2	2	164	.57	.201	12	33	.92	84	.09	6	2.21	.02	.08	1
LR-90 5+00N 1+00W	2	567	8	167	.5	20	24	2050	6.44	2	5	ND	1	82	.2	3	2	164	.61	.217	12	34	.96	79	.09	6	2.21	.02	.08	1
LR-90 5+00N 0+00E	2	63	3	153	.3	17	23	1989	7.93	6	5	ND	1	91	.4	2	2	277	.44	.174	6	39	1.64	113	.19	4	2.22	.02	.24	1
LR-90 5+00N 0+50E	3	412	11	154	.1	84	33	1326	8.01	16	5	ND	5	117	.4	2	2	175	1.00	.241	25	254	2.37	95	.19	8	3.05	.03	.19	1
LR-90 5+00N 0+50E (A)	2	632	11	206	.1	67	20	1086	4.95	9	5	ND	1	80	.4	4	2	120	.86	.215	21	116	2.28	112	.19	11	3.05	.03	.43	1
STANDARD C/AU-S	20	58	38	131	6.6	72	32	1051	3.95	39	20	6	36	53	18.5	15	21	55	.51	.092	37	56	.89	181	.07	32	1.90	.06	.14	12

C.E.C. Engineering Ltd. PROJECT LOR FILE # 90-3683

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm
LR-90 L5+00N 1+00E	3	243	12	94	.5	37	18	790	5.03	2	5	ND	1	60	.2	2	3	124	.44	.132	9	76	1.14	69	.14	2	2.25	.02	.09	1
LR-90 L5+00N 1+00E (A)	6	370	13	135	.1	33	19	613	7.17	6	5	ND	3	82	.2	2	2	156	1.18	.363	29	115	.85	71	.07	3	1.61	.02	.13	2
LR-90 L5+00N 1+50E	3	199	6	120	.4	34	25	1053	9.30	5	6	ND	1	195	.5	3	2	231	.46	.167	8	99	1.35	153	.17	2	2.45	.02	.10	1
LR-90 L5+00N 1+50E (A)	4	152	11	116	.2	30	21	1079	6.47	5	5	ND	1	122	.2	2	2	204	1.04	.251	16	121	1.24	283	.18	2	1.61	.02	.33	1
LR-90 L5+00N 2+00E	2	155	8	117	.6	44	24	840	7.56	6	5	ND	1	72	.2	2	2	179	.54	.117	9	129	1.05	87	.18	2	1.63	.03	.08	1
LR-90 L5+00N 2+00E (A)	1	514	4	121	.1	66	49	705	11.49	10	5	ND	3	235	.9	2	2	292	3.37	1.159	44	124	2.55	187	.11	2	2.18	.03	.46	1
LR-90 L5+00N 2+50E	2	139	13	81	.3	14	34	4744	7.28	2	5	ND	1	62	.2	2	3	218	.34	.103	5	51	.36	283	.10	2	1.46	.02	.09	2
LR-90 L5+00N 3+00E	3	326	4	155	.1	20	25	1186	8.21	10	5	ND	1	134	.2	2	2	234	.68	.177	8	49	1.72	246	.16	2	3.84	.03	.12	1
LR-90 L5+00N 3+50E	2	565	10	119	.1	74	38	1197	7.32	12	5	ND	3	216	.5	2	6	175	3.13	.363	21	188	2.96	195	.24	5	3.18	.02	.90	3
LR-90 L3+00N 4+50W	5	4557	12	268	1.5	71	29	1846	7.96	32	5	ND	5	171	.9	3	2	201	1.87	.244	27	160	2.68	158	.20	2	2.74	.02	.37	1
LR-90 L3+00N 4+00W	3	4667	16	270	1.0	55	27	1949	6.85	10	5	ND	2	153	.6	4	2	193	2.11	.201	18	95	2.44	154	.21	2	2.54	.02	.44	1
LR-90 L3+00N 3+50W	2	558	9	260	.1	34	29	2213	5.53	6	5	ND	2	222	.2	2	2	158	2.52	.245	27	53	2.53	104	.14	2	3.08	.02	.19	2
LR-90 L3+00N 3+00W	10	415	7	399	.2	12	29	1891	6.18	20	5	ND	2	122	.2	4	2	214	1.66	.242	31	27	2.10	61	.05	2	2.93	.02	.05	5
LR-90 L3+00N 2+50W	6	436	13	504	.1	18	43	2868	9.61	11	5	ND	3	83	.2	2	2	282	.65	.181	27	23	2.72	65	.14	2	3.45	.02	.06	1
LR-90 L3+00N 2+00W	4	365	13	183	.4	24	23	1473	7.74	9	6	ND	2	73	.2	2	2	193	.68	.185	14	54	1.28	86	.13	2	2.72	.02	.11	2
LR-90 L3+00N 1+50W	2	123	12	184	.1	50	36	1224	8.55	7	5	ND	3	160	.4	2	2	194	1.64	.548	26	71	2.10	56	.14	3	2.85	.02	.17	2
LR-90 L3+00N 1+00W	2	248	7	183	.3	17	19	1024	5.01	3	5	ND	1	89	.2	2	2	139	.89	.161	10	33	1.28	49	.10	2	2.16	.02	.08	2
LR-90 L3+00N 0+50W	2	81	16	165	.6	21	30	932	10.64	11	5	ND	6	85	1.4	2	2	286	.56	.203	9	48	2.14	71	.34	2	3.19	.02	.23	1
LR-90 L1+00N 3+50W	5	1137	26	251	.1	37	27	1045	6.09	4	5	ND	1	221	.2	2	2	161	1.42	.309	23	64	2.12	177	.12	4	2.52	.03	.16	1
LR-90 L1+00N 3+00W	2	77	4	126	.1	52	32	1275	6.79	7	5	ND	1	201	.2	2	2	170	2.26	.457	21	132	1.84	116	.11	2	1.87	.02	.42	2
LR-90 L1+00N 2+50W	2	78	2	130	.3	51	35	1296	7.69	4	5	ND	1	229	.2	2	2	191	2.57	.533	25	104	1.89	116	.11	2	1.83	.02	.43	1
LR-90 L1+00N 2+00W	2	169	3	124	.4	45	26	1497	6.63	3	5	ND	1	80	.3	2	3	175	1.12	.162	7	120	1.67	85	.17	3	2.37	.02	.11	1
LR-90 L1+00N 1+50W	5	5206	17	221	1.4	27	21	2113	6.45	12	5	ND	2	97	.2	7	2	193	.73	.274	15	69	1.08	134	.08	2	3.13	.02	.10	1
LR-90 L1+00N 1+00W	8	224	17	77	.7	25	17	614	8.09	4	5	ND	1	57	.3	2	2	203	.41	.144	6	111	.79	47	.14	2	1.84	.02	.10	1
LR-90 L1+00N 0+50W	10	620	37	157	.8	29	24	1196	10.06	11	5	ND	4	64	.7	4	2	190	.51	.224	8	78	2.12	106	.29	2	2.67	.03	.63	1
LR-90 L1+00N 0+00E	9	143	17	105	.5	17	15	1023	5.19	2	5	ND	2	82	.2	4	2	162	.53	.139	8	61	.84	119	.10	6	1.64	.02	.14	1
LR-90 L1+00N 0+50E	2	142	10	127	.1	25	29	3023	7.49	2	5	ND	1	96	.2	2	2	219	.54	.172	7	74	.96	256	.19	2	1.78	.02	.22	1
LR-90 L1+00N 1+00E	2	84	9	65	.4	16	21	2040	6.72	5	5	ND	1	77	.2	2	7	203	.30	.071	4	64	.48	164	.19	2	1.20	.02	.07	1
LR-90 L1+00N 1+50E	4	229	17	128	.1	23	38	5241	4.82	2	5	ND	1	109	2.0	2	2	159	.99	.168	8	98	.68	432	.07	2	1.11	.01	.31	1
LR-90 L1+00N 2+00E	4	40	2	87	.1	41	29	1771	8.43	5	5	ND	1	48	.6	2	2	327	.50	.116	5	157	.79	120	.15	2	1.06	.02	.29	1
LR-90 L1+00N 2+50E	1	22	2	99	.1	82	35	1095	6.12	5	5	ND	2	101	.2	2	2	127	1.09	.265	11	228	1.85	264	.22	2	1.85	.07	.66	1
LR-90 L1+00N 3+00E	1	52	9	43	.5	16	13	768	4.01	2	5	ND	2	54	.2	2	8	109	.37	.099	6	65	.26	113	.04	2	1.04	.02	.09	1
LR-90 L1+00N 3+50E	1	140	12	78	.3	20	18	1041	5.42	2	5	ND	1	65	.2	2	6	152	.30	.127	6	43	.74	110	.07	2	1.82	.02	.10	1
LR-90 L1+00N 4+00E	2	132	10	94	.2	22	30	4774	6.73	2	5	ND	1	97	.2	2	3	197	.34	.103	6	56	.52	277	.11	2	1.19	.02	.13	1
LR-90 L1+00N 4+50E	2	467	10	87	.1	32	29	867	8.33	5	5	ND	2	97	.2	2	2	232	.50	.133	7	63	1.39	108	.34	2	2.02	.02	.20	1
LR-90 L18+700E 20+600N	2	331	31	203	.2	36	28	1992	7.48	10	5	ND	7	1016	.5	2	7	163	1.43	.397	33	65	2.56	299	.19	2	3.18	.04	.82	2
STANDARD C/AU-S	19	59	40	132	6.9	73	32	1051	3.95	41	20	7	41	52	18.9	15	21	57	.52	.096	39	57	.89	182	.08	32	1.90	.06	.14	12

C.E.C. Engineering Ltd. PROJECT LOR FILE # 90-3683

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm
LR-90 L18+700E 20+600N	1	31	8	116	.2	20	16	825	5.20	8	5	ND	1	87	.6	4	4	113	1.08	.074	4	24	1.18	69	.19	2	2.24	.04	.14	1
LR-90 L18+700E 20+550N	1	16	9	62	.2	11	8	675	3.69	3	5	ND	1	88	.3	3	3	80	.45	.067	6	20	.59	78	.09	2	1.44	.03	.14	1
LR-90 L18+700E 20+500N	1	29	8	46	.1	8	6	535	2.95	5	5	ND	1	65	.3	2	2	69	.22	.049	5	21	.30	87	.04	2	.71	.02	.10	1
LR-90 L18+700E 20+450N	1	25	10	68	.1	12	10	1393	4.74	5	5	ND	1	78	.3	3	2	110	.39	.083	6	29	.61	96	.11	2	1.35	.03	.13	1
LR-90 L18+700E 20+400N	1	101	23	113	.1	18	14	1230	5.78	11	5	ND	1	545	.5	6	2	124	.36	.137	6	34	.89	341	.10	2	2.06	.02	.14	1
LR-90 L18+700E 20+350N	1	160	11	144	.1	31	21	1502	6.46	8	5	ND	1	123	.3	4	2	144	.46	.130	9	46	1.43	126	.13	2	2.83	.02	.25	1
LR-90 L18+700E 20+300N	1	70	10	88	.1	27	15	626	6.50	8	5	ND	1	77	.3	2	3	165	.58	.147	5	71	.99	53	.20	2	1.92	.02	.09	1
LR-90 L18+700E 20+250N	1	88	9	101	.4	38	20	639	7.01	7	5	ND	1	100	.3	2	2	166	.78	.221	9	93	1.17	60	.17	2	2.18	.02	.11	1
LR-90 L18+700E 20+200N	1	93	6	103	.3	42	21	686	7.44	11	5	ND	1	107	.6	8	2	194	.88	.245	12	111	1.26	73	.18	4	2.17	.02	.11	1
LR-90 L18+700E 20+150N	17	69	9	98	.1	20	18	4068	4.65	3	5	ND	1	268	.6	2	2	126	1.06	.141	6	57	.62	440	.10	2	.93	.01	.12	1
LR-90 L18+700E 20+100N	2	72	11	83	.2	29	16	549	6.95	6	5	ND	1	116	.3	2	2	189	.75	.136	7	73	.93	94	.16	2	1.64	.02	.08	1
LR-90 L18+700E 20+050N	2	39	14	77	.5	16	11	782	5.55	9	5	ND	1	110	.5	4	2	135	.57	.067	6	43	.66	84	.13	2	1.71	.02	.09	1
LR-90 L18+700E 20+000N BL	1	97	10	71	.4	28	15	549	5.25	5	5	ND	1	87	.3	2	2	136	.69	.175	12	72	.97	52	.13	2	1.81	.02	.08	1
LR-90 L18+700E 19+950N	1	93	7	67	.1	29	13	350	5.69	3	5	ND	1	50	.3	4	2	177	.37	.124	4	78	.89	50	.20	2	1.38	.02	.07	1
LR-90 L18+700E 19+850N	1	197	7	91	.2	44	21	532	7.60	8	5	ND	1	96	.5	4	2	188	.90	.339	12	106	1.19	70	.17	2	2.02	.02	.11	1
LR-90 L18+700E 19+800N	1	154	13	113	.1	44	23	868	6.91	10	5	ND	1	113	.6	5	2	165	.94	.328	16	91	1.33	73	.19	2	2.43	.02	.14	1
LR-90 L18+700E 19+750N	3	140	15	93	.1	36	26	3465	6.29	5	5	ND	1	99	.6	3	2	153	.81	.159	8	92	.91	223	.11	2	1.49	.02	.14	1
LR-90 L18+700E 19+700N	1	91	9	84	.3	32	17	840	6.82	10	5	ND	1	83	.3	6	2	180	.68	.215	7	78	.99	81	.20	2	1.82	.03	.10	1
LR-90 L18+700E 19+650N	8	239	6	96	.1	53	27	1168	8.33	9	5	ND	1	141	.5	2	2	270	.79	.142	10	130	1.26	86	.18	3	1.60	.02	.06	1
LR-90 L18+700E 19+600N	1	83	7	111	.3	46	22	750	9.09	6	5	ND	1	58	.5	7	2	268	.56	.099	6	127	1.02	57	.34	2	1.75	.03	.07	1
LR-90 L18+700E 19+550N	1	24	7	30	.1	8	7	298	5.29	2	5	ND	1	56	.3	2	2	176	.60	.039	2	35	.20	55	.18	2	.62	.03	.06	1
LR-90 L18+700E 19+500N	1	28	6	35	.1	9	7	395	5.48	2	5	ND	1	54	.3	2	2	187	.57	.039	3	42	.19	52	.23	2	.67	.02	.06	1
LR-90 L18+700E 19+450N	1	71	12	175	.3	64	24	1719	8.06	6	5	ND	1	92	.4	3	3	206	.49	.071	3	178	1.42	114	.40	2	1.92	.02	.32	1
LR-90 L18+700E 19+400N	1	58	9	67	.5	21	11	517	5.86	6	5	ND	1	54	.4	2	2	156	.38	.124	5	66	.65	56	.19	2	1.43	.02	.09	1
LR-90 L18+800E 20+600N	1	33	7	89	.1	49	21	1102	5.97	7	5	ND	1	87	.3	3	2	166	.52	.148	8	104	1.22	79	.14	2	2.19	.02	.16	1
LR-90 L18+800E 20+550N	1	20	5	62	.1	17	13	858	4.43	9	5	ND	1	187	.4	2	2	93	.72	.141	7	32	.61	87	.06	2	1.61	.03	.09	1
LR-90 L18+800E 20+500N	1	55	8	127	.1	59	23	984	6.12	22	5	ND	1	179	.4	5	2	141	.90	.185	11	105	1.70	125	.18	2	2.69	.03	.23	1
LR-90 L18+800E 20+450N	1	83	11	157	.1	30	21	1788	6.57	11	5	ND	2	229	.7	6	2	167	.97	.151	11	55	1.27	135	.13	3	2.49	.04	.08	1
LR-90 L18+800E 20+400N	1	79	16	154	.1	28	21	1770	6.56	8	5	ND	1	219	.4	3	3	163	.93	.151	10	54	1.23	130	.13	3	2.45	.04	.08	1
LR-90 L18+800E 20+350N	1	37	13	94	.3	17	16	1193	6.25	8	5	ND	1	190	.4	2	3	136	.78	.123	7	35	.89	106	.13	2	1.96	.04	.14	1
LR-90 L18+800E 20+300N	1	37	11	100	.2	19	17	1097	6.39	10	5	ND	1	191	.5	3	2	141	.80	.123	8	35	.93	99	.14	2	2.02	.04	.14	1
LR-90 L18+800E 20+250N	1	31	11	53	.1	14	10	394	4.77	8	5	ND	1	111	.3	3	2	114	.35	.086	5	31	.62	84	.09	2	1.44	.02	.06	1
LR-90 L18+800E 20+200N	1	100	6	95	.1	28	19	792	6.12	12	5	ND	1	102	.4	3	2	137	.72	.225	11	51	1.19	52	.18	2	2.22	.03	.09	1
LR-90 L18+800E 20+150N	1	109	10	103	.2	29	19	836	6.71	15	5	ND	3	123	.3	4	2	148	.80	.249	12	56	1.26	58	.19	2	2.73	.03	.09	1
LR-90 L18+800E 20+100N	1	55	10	74	.1	16	14	996	5.37	5	5	ND	1	62	.3	3	3	135	.41	.114	5	33	.77	70	.14	2	1.61	.03	.13	1
LR-90 L18+800E 20+050N	1	55	9	90	.2	40	18	652	6.29	7	5	ND	2	78	.3	2	2	162	.59	.144	6	88	1.16	60	.22	2	2.04	.02	.11	1
STANDARD C/AU-S	19	59	36	131	7.0	71	31	1043	3.95	40	23	7	40	53	18.8	15	21	56	.51	.092	38	56	.91	182	.09	34	1.92	.06	.13	11

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Tl	B	Al	Na	K	Li
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm
LR-90 L18+800E 20+000N	2	99	6	80	.4	27	17	1038	6.78	3	5	ND	1	82	.6	2	152	.74	.200	10	78	.84	58	.13	2	2.09	.03	.09	2	
LR-90 L18+800E 19+950N	1	89	17	93	.3	41	20	675	7.17	7	5	ND	1	88	.8	5	2	159	.74	.252	12	98	1.20	56	.17	3	2.13	.02	.08	1
LR-90 L18+800E 19+000N	1	116	9	108	.3	46	22	682	8.35	8	5	ND	1	109	.5	6	2	166	.96	.370	15	108	1.40	57	.15	3	2.35	.02	.09	1
LR-90 L18+800E 19+850N	2	112	8	98	.6	41	22	595	7.61	2	5	ND	1	106	.2	3	2	165	1.09	.408	16	90	1.38	54	.17	2	2.03	.02	.09	1
LR-90 L18+800E 19+800N	4	80	2	89	.1	23	19	622	8.12	2	5	ND	1	109	.7	2	2	221	.75	.145	5	56	.95	77	.26	2	1.50	.03	.06	2
LR-90 L18+800E 19+750N	2	89	2	107	.1	88	34	743	9.44	2	5	ND	1	173	1.0	4	2	170	1.18	.313	13	170	2.11	88	.18	4	1.64	.02	.33	1
LR-90 L18+800E 19+700N	2	179	10	108	.1	89	34	700	9.16	3	5	ND	1	192	1.0	4	2	162	1.32	.383	17	155	2.28	77	.18	2	1.72	.02	.34	1
LR-90 L18+800E 19+600N	1	112	7	94	.3	50	21	586	6.54	2	5	ND	1	98	.2	5	2	152	.96	.357	12	118	1.33	80	.20	3	1.56	.03	.09	1
LR-90 L18+800E 19+550N	1	105	16	87	.2	48	20	757	6.28	2	5	ND	1	94	.9	2	2	149	.94	.332	11	115	1.25	88	.20	3	1.48	.03	.08	1
LR-90 L18+800E 19+400N	1	112	6	100	.1	48	26	960	9.59	2	5	ND	1	89	.6	2	2	219	.98	.257	11	145	.96	73	.19	2	1.32	.03	.07	2
LR-90 L18+900E 20+600N	1	443	21	149	.1	29	28	1196	6.49	5	5	ND	1	692	1.2	6	2	153	1.24	.320	18	53	1.90	126	.11	2	2.82	.03	.13	1
LR-90 L18+900E 20+550N	1	395	19	141	.1	21	24	1096	8.39	5	5	ND	1	350	.2	3	2	239	1.45	.527	24	39	1.19	115	.07	3	2.73	.03	.16	1
LR-90 L18+900E 20+500N	1	67	8	155	.1	39	28	1230	8.08	11	5	ND	1	220	.7	5	2	159	1.26	.299	21	81	1.92	68	.14	3	2.70	.03	.11	1
LR-90 L18+900E 20+450N	1	14	4	139	.1	15	23	1622	6.38	9	5	ND	1	2783	1.6	8	2	106	2.47	.271	19	35	1.79	698	.09	2	4.67	.07	.28	1
LR-90 L18+900E 20+400N	1	51	39	146	.1	24	24	1446	5.71	14	5	ND	1	391	1.0	3	2	131	1.36	.285	18	51	1.49	107	.08	3	2.38	.03	.06	1
LR-90 L18+900E 20+350N	1	35	11	155	.1	24	23	1344	6.96	12	5	ND	1	249	.3	2	2	130	1.06	.194	14	41	1.75	83	.10	7	2.90	.03	.07	1
LR-90 L18+900E 20+300N	1	23	28	139	.1	20	17	1967	5.72	9	5	ND	1	105	.4	2	4	122	.64	.132	10	42	.96	88	.09	2	2.20	.02	.10	1
LR-90 L18+900E 20+250N	1	25	17	125	.1	18	16	1457	5.93	9	5	ND	1	98	.9	2	2	114	.64	.116	9	38	.95	92	.14	4	1.99	.03	.09	1
LR-90 L18+900E 20+200N	1	48	6	149	.1	44	23	861	6.74	10	5	ND	1	103	.8	3	2	128	.98	.319	18	75	1.85	47	.16	2	2.80	.02	.12	1
LR-90 L18+900E 20+150N	1	40	12	108	.1	37	21	716	6.23	6	5	ND	1	79	.2	3	2	139	.80	.269	15	64	1.62	56	.16	3	2.14	.03	.28	1
LR-90 L18+900E 20+100N	1	77	19	123	.1	68	30	643	7.99	3	5	ND	1	170	1.2	5	2	153	1.27	.465	22	122	2.32	69	.14	4	2.75	.02	.09	1
LR-90 L18+900E 20+050N	1	42	8	81	.1	43	20	699	8.19	2	5	ND	1	103	.2	4	2	194	.76	.226	11	140	1.12	66	.19	2	1.95	.03	.09	1
LR-90 L18+900E 20+000N	1	69	16	111	.1	72	31	666	8.16	2	5	ND	1	122	.9	4	2	154	1.05	.391	18	162	2.17	49	.19	2	2.67	.02	.08	1
LR-90 L18+900E 19+950N	1	74	4	81	.1	33	18	486	7.11	4	5	ND	1	76	.6	2	2	157	.69	.315	11	84	1.09	48	.14	2	2.03	.02	.07	1
LR-90 L18+900E 19+900N	1	88	10	94	.1	35	18	510	6.85	5	5	ND	1	81	.6	2	2	143	.68	.228	12	93	1.12	45	.15	2	2.39	.02	.07	1
LR-90 L18+900E 19+850N	17	510	17	138	.3	42	27	2015	6.77	5	5	ND	1	156	1.2	2	2	165	1.06	.168	16	121	1.24	236	.10	2	2.20	.02	.10	1
LR-90 L18+900E 19+800N	4	126	9	75	.1	23	11	487	5.34	2	7	ND	1	91	.3	2	2	179	.48	.094	6	120	.79	54	.20	2	1.82	.02	.06	1
LR-90 L18+900E 19+750N	6	253	8	148	.2	51	32	1435	10.13	2	5	ND	1	108	.6	3	2	242	.75	.215	12	127	1.53	185	.19	2	1.98	.02	.06	1
LR-90 L18+900E 19+700N	1	210	8	106	.1	76	35	818	8.72	2	5	ND	1	159	.8	5	2	167	1.45	.529	25	179	2.04	90	.16	2	2.05	.02	.33	1
LR-90 L18+900E 19+650N	4	156	6	104	.1	33	22	847	8.07	2	5	ND	1	97	.4	2	2	202	.77	.147	6	100	.83	100	.16	2	1.41	.03	.09	1
LR-90 L18+900E 19+600N	2	187	8	90	.1	41	20	499	8.61	2	5	ND	1	109	.4	2	2	199	.77	.356	12	133	1.11	61	.16	2	1.76	.02	.07	1
LR-90 L18+900E 19+550N	1	1568	16	91	.4	43	21	609	8.32	6	5	ND	1	150	.5	2	2	187	1.21	.446	20	123	1.17	56	.13	4	1.85	.02	.08	1
LR-90 L18+900E 19+500N	1	621	9	117	.2	38	20	681	8.45	4	5	ND	1	71	1.0	3	2	210	.80	.266	11	112	1.05	49	.17	2	1.89	.02	.05	1
LR-90 L18+900E 19+450N	1	54	4	26	.1	14	8	348	4.56	2	8	ND	1	69	.4	2	2	159	.44	.046	5	58	.16	43	.14	2	.74	.02	.06	1
LR-90 L18+900E 19+400N	1	35	2	70	.2	48	35	624	13.82	2	5	ND	1	67	.2	2	2	323	1.15	.171	7	85	.82	80	.26	2	.98	.02	.05	1
LR-90 L19+200E 21+000N	1	48	9	75	.1	34	17	801	5.52	2	5	ND	1	325	.2	2	2	152	.91	.062	4	81	1.17	102	.22	2	1.61	.03	.07	1
STANDARD C/AU-S	20	62	40	132	7.2	73	32	1053	3.97	39	21	7	36	52	18.3	15	21	56	.51	.096	38	61	.88	180	.07	37	1.89	.06	.14	11

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	M
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm
LR-90 L19+200E 20+950N	1	108	14	158	.1	39	22	1153	9.61	2	5	ND	1 108	.6	5	2 269	.80	.146	6	100	1.88	85	.24	3	1.96	.03	.16	2		
LR-90 L19+200E 20+900N	1	60	4	91	.1	52	23	731	8.46	2	6	ND	1 167	.6	2	2 229	1.01	.203	12	148	1.28	98	.21	2	1.92	.02	.15	1		
LR-90 L19+200E 20+850N	1	41	2	94	.1	28	21	973	7.81	2	5	ND	1 134	.8	5	2 238	3.85	.090	4	90	1.47	73	.24	2	1.91	.01	.13	2		
LR-90 L19+200E 20+800N	1	157	4	130	.2	74	44	1180	10.35	5	5	ND	1 365	.8	9	2 203	3.83	1.377	52	155	2.64	206	.05	2	2.41	.03	.79	1		
LR-90 L19+200E 20+750N	1	95	10	132	.1	53	31	1280	8.15	2	5	ND	1 321	.9	4	3 184	2.05	.417	20	134	1.76	196	.15	3	2.02	.02	.28	1		
LR-90 L19+200E 20+700N	1	12	2	129	.4	66	42	1121	12.02	2	5	ND	1 405	.6	7	2 238	2.15	.766	25	78	1.44	62	.13	3	1.71	.03	.18	1		
LR-90 L19+200E 20+650N	1	125	24	123	.1	71	37	1754	8.42	3	5	ND	1 347	.5	5	2 193	2.88	.614	23	204	2.28	268	.10	4	2.41	.02	.49	1		
LR-90 L19+200E 20+600N	1	125	16	105	.1	34	22	979	7.00	2	5	ND	1 199	1.0	3	2 170	1.43	.367	17	82	1.51	65	.09	4	1.95	.03	.14	1		
LR-90 L19+200E 20+550N	1	186	14	99	.2	24	18	1203	6.18	3	5	ND	1 274	1.4	2	2 160	1.25	.223	11	65	1.19	91	.08	3	2.17	.03	.13	2		
LR-90 L19+200E 20+500N	1	223	8	105	.1	25	20	1013	7.04	4	5	ND	1 318	.8	3	2 173	1.11	.331	17	49	1.16	125	.09	4	2.37	.03	.11	1		
LR-90 L19+200E 20+450N	1	163	2	90	.2	28	19	706	7.95	6	5	ND	1 220	.4	4	2 184	1.03	.339	17	72	1.06	66	.11	2	2.37	.02	.07	1		
LR-90 L19+200E 20+400N	1	174	14	105	.2	29	20	895	8.19	8	5	ND	1 455	.7	3	2 189	.71	.217	11	67	1.14	101	.11	2	2.73	.02	.07	1		
LR-90 L19+200E 20+350N	1	68	2	74	.1	17	16	1103	7.17	3	5	ND	1 216	.6	2	2 214	.58	.143	8	45	.67	100	.14	4	1.58	.03	.12	1		
LR-90 L19+200E 20+300N	1	53	7	68	.2	17	16	1354	7.06	2	5	ND	1 252	.7	2	2 198	.51	.115	7	44	.61	128	.11	4	1.92	.03	.09	1		
LR-90 L19+200E 20+250N	1	127	9	76	.4	17	15	897	6.15	3	5	ND	1 176	.4	2	2 167	.59	.156	9	37	.79	74	.12	3	2.06	.03	.09	1		
LR-90 L19+200E 20+200N	1	43	13	72	.1	16	14	847	6.72	3	5	ND	1 191	.8	2	2 175	.53	.110	8	49	.55	115	.14	2	1.62	.03	.13	1		
LR-90 L19+200E 20+150N	1	402	8	168	.2	36	28	1195	8.02	6	5	ND	1 278	.8	5	2 220	1.48	.265	21	103	1.96	50	.17	3	2.40	.03	.13	1		
LR-90 L19+200E 20+100N	1	204	13	169	.1	60	33	1240	8.70	2	5	ND	1 217	.8	8	2 189	2.05	.406	17	131	2.43	51	.18	5	2.50	.02	.15	1		
LR-90 L19+200E 20+050N	1	239	11	166	.2	40	27	1513	8.18	5	5	ND	1 122	.6	4	2 203	1.08	.341	16	92	1.66	100	.16	6	2.14	.02	.16	1		
LR-90 L19+200E 20+000N	1	90	16	119	.1	41	23	1069	7.97	2	5	ND	1 163	1.0	4	2 167	.92	.264	13	120	1.18	84	.13	2	1.89	.01	.10	1		
LR-90 L19+200E 19+950N	1	129	8	90	.3	27	16	630	4.58	2	5	ND	1 105	.5	3	2 125	.80	.157	9	66	1.22	46	.14	2	2.08	.03	.09	1		
LR-90 L19+200E 19+900N	1	191	4	82	.4	27	15	542	6.23	3	5	ND	1 66	.3	2	2 157	.54	.150	7	80	.91	41	.18	2	1.95	.02	.07	3		
LR-90 L19+200E 19+850N	1	500	12	72	.7	20	12	559	5.39	2	5	ND	1 74	.6	2	2 167	.61	.073	6	54	.59	32	.16	2	1.72	.01	.04	1		
LR-90 L19+200E 19+800N	1	555	13	82	.7	15	11	578	5.30	2	5	ND	1 75	.2	2	2 165	.62	.076	6	50	.60	33	.15	2	1.71	.02	.04	2		
LR-90 L19+200E 19+750N	1	1202	3	89	1.1	17	10	471	3.38	3	5	ND	1 86	.6	2	2 104	.96	.256	15	43	.70	41	.09	3	1.90	.02	.08	1		
LR-90 L19+200E 19+700N	1	1104	8	89	1.0	15	10	482	3.21	4	5	ND	1 87	.8	2	3 101	.94	.230	14	42	.71	40	.10	3	1.92	.03	.08	1		
LR-90 L19+200E 19+650N	1	936	3	92	.5	41	19	615	9.18	3	5	ND	1 76	.5	4	2 200	.77	.244	10	143	.89	40	.15	2	2.02	.02	.06	1		
LR-90 L19+200E 19+600N	1	1372	10	96	.4	39	21	832	9.24	2	5	ND	1 84	.5	2	7 219	1.00	.368	14	134	1.03	74	.14	2	2.08	.02	.12	1		
LR-90 L19+200E 19+550N	1	94	10	90	.4	43	19	567	8.62	2	5	ND	1 86	.5	2	2 204	1.15	.415	13	132	1.15	59	.15	3	1.87	.02	.08	1		
LR-90 L19+200E 19+500N	1	134	3	89	.3	45	21	559	9.09	2	5	ND	1 97	.8	2	2 207	1.34	.563	17	123	1.22	51	.13	2	1.91	.02	.09	1		
LR-90 L19+200E 19+400N	1	173	2	81	.3	36	18	589	7.62	3	5	ND	1 105	1.1	2	2 191	.96	.160	9	119	.71	53	.14	3	1.13	.03	.07	1		
LR-90 L19+200E 19+350N	1	68	2	69	.5	39	16	458	7.83	2	5	ND	1 61	.5	3	2 193	.60	.137	6	144	.90	46	.16	2	1.50	.02	.07	2		
LR-90 L19+200E 19+300N	1	65	2	66	.4	36	16	492	8.18	2	5	ND	1 62	.3	2	2 203	.62	.153	7	143	.88	42	.15	3	1.51	.03	.07	1		
LR-90 L19+200E 19+250N	1	1435	12	138	.1	38	25	920	6.98	6	5	ND	1 110	.7	3	2 169	1.48	.538	25	70	1.86	56	.12	2	2.60	.03	.08	1		
LR-90 L19+200E 19+200N	1	1600	13	141	.1	41	25	914	6.77	3	5	ND	1 108	1.1	4	2 165	1.46	.512	25	66	1.93	58	.13	2	2.70	.02	.08	1		
LR-90 L19+200E 19+150N	1	146	11	53	.6	25	14	491	8.24	2	5	ND	1 68	.5	2	4 219	.57	.085	5	105	.46	52	.21	3	1.25	.03	.08	1		
STANDARD C/AU-S	19	62	40	133	7.2	73	32	1055	3.98	40	15	7	37	53	18.4	15	22	56	.52	.095	37	60	.90	180	.07	33	1.89	.06	.13	11

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm
LR-90 L19+200E 19+100N	1	111	22	56	.8	25	14	503	8.80	2	5	ND	1	55	.6	2	2	221	.50	.100	4	109	.51	42	20	3	1.35	.02	.06	1
LR-90 L19+200E 19+050N	1	109	15	56	1.0	27	14	462	8.87	4	5	ND	1	58	.6	2	2	220	.50	.114	4	112	.50	41	20	2	1.38	.02	.06	1
LR-90 L19+200E 19+000N	6	361	20	53	.9	21	13	405	12.82	2	5	ND	1	52	.3	3	2	323	.37	.081	8	160	.24	90	14	2	1.68	.02	.06	1
LR-90 L19+300E 21+100N	5	368	25	78	.6	23	17	1165	6.10	4	5	ND	1	83	1.1	2	2	162	.67	.155	10	64	1.24	82	10	2	1.77	.02	.16	1
LR-90 L19+300E 21+050N	1	47	18	65	1.6	26	12	457	5.58	4	5	ND	1	212	.7	2	4	179	.47	.057	5	92	.74	96	22	2	1.71	.02	.08	1
LR-90 L19+300E 21+000N	4	146	26	117	.6	40	20	861	7.01	3	5	ND	1	238	1.6	4	2	182	.80	.168	10	101	1.69	79	19	2	2.24	.02	.11	1
LR-90 L19+300E 20+950N	3	71	10	129	.3	45	23	815	7.64	2	5	ND	1	232	.8	6	2	180	.95	.169	12	115	1.78	70	21	4	2.11	.02	.12	1
LR-90 L19+300E 20+900N	3	113	19	152	.3	30	23	1274	7.10	3	5	ND	1	337	1.6	7	2	169	1.14	.223	14	93	1.58	114	18	3	1.94	.03	.19	1
LR-90 L19+300E 20+850N	2	78	15	118	.2	34	21	828	7.05	4	5	ND	1	550	1.5	5	2	181	.80	.106	8	94	1.50	129	23	2	2.09	.02	.13	1
LR-90 L19+300E 20+800N	1	69	22	86	.3	22	17	1075	6.01	2	5	ND	1	489	1.4	2	2	176	.80	.143	7	67	1.11	151	14	2	1.83	.02	.09	2
LR-90 L19+300E 20+750N	1	155	15	170	.1	37	25	1188	7.82	2	5	ND	1	585	1.1	6	2	199	1.16	.240	11	97	1.84	262	14	3	2.32	.02	.25	1
LR-90 L19+300E 20+700N	1	53	9	85	.4	36	19	620	5.81	3	5	ND	1	326	1.3	3	2	153	.83	.218	10	127	1.31	115	15	2	1.70	.03	.08	1
LR-90 L19+300E 20+650N	1	71	12	84	.4	41	22	764	8.11	2	5	ND	1	243	1.7	3	7	183	1.18	.334	14	141	1.29	86	16	2	1.66	.03	.10	1
LR-90 L19+300E 20+600N	1	165	18	101	.3	66	38	1255	8.82	2	5	ND	1	257	1.4	8	2	193	1.71	.430	26	264	2.23	189	13	5	2.29	.03	.53	1
LR-90 L19+300E 20+550N	1	71	17	123	.2	49	28	1082	7.89	4	5	ND	1	221	1.1	5	3	175	1.14	.360	15	150	1.84	151	12	3	1.97	.02	.15	1
LR-90 L19+300E 20+500N	5	153	12	112	.1	29	19	884	6.54	5	5	ND	1	279	1.4	2	2	191	1.07	.323	14	87	1.19	143	05	3	1.93	.02	.11	1
LR-90 L19+300E 20+450N	1	143	19	94	.3	38	24	551	7.56	6	5	ND	1	673	1.3	4	2	178	1.64	.411	16	138	1.54	217	12	2	2.12	.02	.16	1
LR-90 L19+300E 20+400N	3	100	15	106	.3	30	24	627	8.04	5	5	ND	1	473	.6	6	2	207	1.64	.505	22	93	1.39	90	13	3	1.93	.03	.06	1
LR-90 L19+300E 20+350N	1	141	17	97	.2	19	19	765	7.24	4	5	ND	1	331	1.5	2	2	181	.84	.271	15	58	.98	150	11	4	2.43	.02	.14	1
LR-90 L19+300E 20+300N	1	188	18	128	.4	58	25	817	8.19	2	5	ND	1	133	.8	6	2	185	1.08	.347	18	128	1.71	77	15	2	2.40	.02	.21	1
LR-90 L19+300E 20+250N	3	479	19	140	.5	30	27	1322	7.48	10	5	ND	1	179	1.0	6	2	205	1.21	.246	27	95	1.69	58	11	4	2.33	.02	.09	1
LR-90 L19+300E 20+200N	1	424	21	138	.5	28	19	834	6.02	6	5	ND	1	208	1.5	4	2	156	.97	.240	16	70	1.61	79	13	3	2.45	.03	.09	1
LR-90 L19+300E 20+150N	1	240	14	140	.8	27	21	669	5.69	5	5	ND	1	88	1.0	4	2	160	.79	.201	12	67	2.24	76	22	5	2.61	.03	.40	3
LR-90 L19+300E 20+100N	1	572	7	141	.5	53	36	902	11.79	2	5	ND	1	216	.9	10	2	228	2.01	.634	29	139	1.82	28	16	3	1.89	.02	.13	1
LR-90 L19+300E 20+050N	6	297	8	167	.5	23	21	1262	7.38	2	5	ND	1	165	1.5	2	2	192	1.17	.191	10	64	1.26	55	11	2	1.80	.02	.07	1
LR-90 L19+300E 20+000N	4	229	14	102	.2	15	11	501	4.71	4	5	ND	1	119	1.3	2	2	147	.77	.206	10	46	.79	78	07	2	1.42	.02	.09	1
LR-90 L19+300E 19+450N	1	77	9	92	.4	49	22	1002	9.70	2	5	ND	1	74	.9	4	2	215	.69	.070	4	173	.91	64	23	4	1.22	.03	.05	1
LR-90 L19+300E 19+400N	1	57	5	71	.6	39	21	736	10.38	2	5	ND	1	85	.2	3	2	237	.59	.069	4	146	.47	61	19	3	1.12	.01	.04	1
LR-90 L19+300E 19+350N	1	312	14	84	.3	34	17	574	6.68	2	5	ND	1	102	.6	2	2	180	.81	.116	9	117	.95	181	21	5	1.46	.02	.07	1
LR-90 L19+300E 19+300N	3	200	17	112	.5	38	18	805	8.17	4	5	ND	1	92	.5	4	2	224	.87	.137	8	121	1.03	136	21	4	1.62	.02	.09	1
LR-90 L19+300E 19+200N	1	152	10	75	.7	19	12	614	5.93	2	5	ND	1	69	.7	2	2	163	.67	.192	6	79	.63	42	16	3	1.42	.02	.06	2
LR-90 L19+300E 19+150N	1	105	6	77	.6	32	16	480	7.67	3	5	ND	1	76	.2	2	2	187	.61	.166	6	121	.66	89	18	4	1.27	.02	.07	1
LR-90 L19+300E 19+100N	1	34	12	34	.4	13	8	292	5.17	2	5	ND	1	70	.9	2	3	183	.56	.060	5	61	.19	48	24	2	.82	.02	.05	2
LR-90 L19+300E 19+050N	1	221	14	93	.5	32	18	654	7.92	2	5	ND	1	74	.2	2	2	185	.72	.231	8	108	.79	47	17	5	1.51	.02	.07	1
LR-90 L19+300E 18+950N	1	80	10	83	.3	35	16	511	5.68	2	5	ND	1	99	.4	2	4	150	.73	.155	7	96	.95	46	19	5	1.39	.02	.09	1
LR-90 L19+300E 18+900N	1	52	11	98	.3	56	20	616	8.38	2	5	ND	1	97	.3	2	2	207	.68	.131	7	170	1.28	49	26	7	1.64	.03	.06	1
STANDARD C/AU-S	19	63	42	133	7.5	72	32	1054	3.97	39	16	7	36	53	18.4	15	21	57	.51	.095	38	60	.89	181	07	38	1.89	.06	.14	11

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 %	M ppm	
LR-90 L19+300E 18+850N	1	94	20	65	.8	32	11	448	5.44	3	5	ND	1	93	.8	2	2	161	.60	.082	5	117	.64	48	.24	5	1.44	.02	.06	1	
LR-90 L19+300E 18+800N	1	178	18	49	.8	20	10	359	5.91	6	8	ND	1	71	.2	2	2	178	.61	.248	7	63	.47	43	.16	5	1.25	.02	.07	1	
LR-90 L19+300E 18+000N	1	109	10	86	.2	38	17	612	6.28	5	5	ND	1	101	.7	3	2	161	.94	.246	10	113	.97	48	.14	7	1.39	.03	.09	1	
LR-90 L19+400E 19+950N	1	1430	13	72	1.8	24	11	444	4.98	9	5	ND	1	78	.8	2	2	145	.93	.292	15	76	.81	35	.12	6	2.16	.02	.06	1	
LR-90 L19+400E 19+900N	1	1766	9	78	1.2	28	14	500	5.96	7	6	ND	2	84	.7	2	2	159	.93	.299	15	77	.83	38	.10	8	2.02	.02	.06	1	
LR-90 L19+400E 19+850N	1	1711	5	89	.6	25	14	575	6.25	6	5	ND	2	92	.6	2	2	171	1.11	.353	17	72	.93	38	.12	6	2.00	.02	.08	1	
LR-90 L19+400E 19+800N	1	609	12	117	.8	44	22	942	9.00	3	5	ND	1	86	.4	4	2	199	1.45	.284	12	116	1.12	35	.19	6	2.23	.02	.07	1	
LR-90 L19+400E 19+750N	1	111	4	117	.3	43	21	943	8.03	6	5	ND	1	98	.3	4	2	215	1.15	.232	9	103	1.29	70	.18	7	1.75	.02	.08	1	
LR-90 L19+400E 19+700N	1	1011	4	111	.1	53	28	940	9.01	2	5	ND	1	122	.6	6	2	206	1.35	.284	15	136	1.30	204	.15	9	1.75	.02	.11	1	
LR-90 L19+400E 19+600N	3	583	9	105	.1	63	28	792	6.76	4	5	ND	1	245	.3	4	2	155	1.78	.474	25	148	1.76	89	.12	4	1.68	.02	.08	1	
LR-90 L19+400E 19+550N	1	99	9	58	.2	35	16	761	6.26	2	5	ND	1	84	1.1	2	2	178	.73	.106	6	116	.79	42	.18	4	1.59	.02	.05	1	
LR-90 L19+400E 19+500N	1	156	9	89	.4	59	26	979	9.31	4	5	ND	1	122	.3	4	3	200	1.11	.232	10	163	1.14	51	.10	8	1.55	.02	.06	1	
LR-90 L19+400E 19+450N	2	103	21	93	.2	31	17	594	8.82	2	5	ND	1	107	.4	2	2	243	.94	.163	10	130	.87	63	.18	5	1.68	.02	.06	1	
LR-90 L19+400E 19+400N	1	398	11	155	.4	67	33	1631	8.49	4	6	ND	1	189	1.2	5	3	234	1.26	.288	26	195	1.52	166	.10	8	2.41	.02	.20	1	
LR-90 L19+400E 19+350N	1	54	6	86	.3	54	25	697	9.58	2	5	ND	1	137	.2	5	2	208	1.06	.128	8	181	1.05	80	.24	8	1.42	.03	.08	1	
LR-90 L19+400E 19+300N	1	60	12	90	.1	57	27	1718	10.66	3	5	ND	1	88	.2	4	2	221	.74	.144	6	224	.89	132	.26	9	1.43	.03	.08	1	
LR-90 L19+400E 19+250N	1	81	3	89	.2	75	24	573	7.89	7	5	ND	1	109	.3	5	2	155	1.16	.339	13	224	1.56	69	.18	6	1.78	.02	.10	1	
LR-90 L19+400E 19+200N	1	105	11	62	.5	45	17	424	7.87	2	5	ND	1	88	.2	2	2	195	.67	.073	7	157	.85	77	.19	5	1.41	.02	.07	1	
LR-90 L19+400E 19+150N	1	545	9	118	.1	56	27	932	8.88	3	5	ND	1	124	.6	6	2	190	1.23	.292	18	145	1.28	101	.16	7	1.94	.03	.27	1	
LR-90 L19+400E 19+100N	1	231	6	117	.1	65	31	835	9.84	2	5	ND	1	175	.8	7	2	200	1.60	.325	16	154	1.36	162	.18	7	1.60	.03	.10	1	
LR-90 L19+400E 19+050N	1	423	10	152	.4	53	26	981	6.37	6	5	ND	1	154	.8	3	2	157	1.25	.277	17	110	1.30	145	.09	8	2.22	.02	.14	1	
LR-90 L19+400E 18+950N	1	89	2	103	.1	73	30	853	7.83	3	5	ND	1	142	.5	6	2	180	1.51	.271	15	143	1.76	105	.18	8	1.52	.03	.37	1	
LR-90 L19+400E 18+900N	1	160	9	65	.1	51	25	562	9.42	2	5	ND	1	108	.5	2	2	202	1.28	.334	15	120	.84	57	.12	6	.98	.03	.15	1	
LR-90 L19+400E 18+850N	1	8	2	86	.1	82	30	553	10.56	2	5	ND	1	83	.4	3	2	207	.93	.147	5	185	1.01	18	.19	6	1.15	.03	.04	1	
LR-90 L19+400E 18+800N	1	31	2	72	.1	108	32	443	7.15	4	5	ND	2	134	.9	7	2	157	1.36	.320	13	244	2.50	211	.33	7	1.92	.04	.48	1	
LR-90 L19+500E 20+000N	1	362	7	67	.8	26	13	443	5.20	5	5	ND	1	66	.4	2	2	152	.54	.140	7	69	.80	36	.11	5	1.66	.02	.09	1	
LR-90 L19+500E 19+950N	1	386	15	63	.7	25	13	436	5.44	5	5	ND	1	70	.8	2	2	162	.59	.152	8	71	.79	38	.11	5	1.66	.02	.10	1	
LR-90 L19+500E 19+900N	1	326	5	67	.7	21	10	361	4.76	4	5	ND	1	68	1.1	2	2	170	.47	.106	6	64	.73	45	.14	6	1.47	.02	.10	1	
LR-90 L19+500E 19+850N	1	258	9	64	.2	30	20	413	8.89	4	5	ND	1	96	.4	3	2	261	1.04	.397	11	88	.95	62	.18	7	1.39	.02	.13	1	
LR-90 L19+500E 19+800N	1	615	5	88	.2	51	27	871	10.77	2	5	ND	1	111	.7	3	2	254	1.09	.326	14	170	1.21	74	.16	6	1.61	.03	.26	1	
LR-90 L19+500E 19+750N	1	170	10	78	.4	54	24	775	12.04	2	5	ND	1	97	.8	4	2	265	.70	.100	5	227	1.03	60	.23	7	1.55	.03	.08	1	
LR-90 L19+500E 19+700N	1	85	9	53	.7	30	13	586	6.68	2	5	ND	1	77	.2	2	2	198	.63	.101	6	115	.54	47	.18	3	1.24	.02	.06	1	
LR-90 L19+500E 19+650N	1	350	9	78	.1	26	15	591	5.56	2	5	ND	1	101	.3	2	2	171	.83	.073	5	86	.67	131	.15	5	.94	.02	.06	1	
LR-90 L19+500E 19+550N	1	222	15	109	.1	56	34	1717	10.60	2	5	ND	1	121	.8	3	2	257	1.35	.276	14	123	1.06	109	.13	8	1.51	.03	.18	1	
LR-90 L19+500E 19+500N	1	18	12	86	.3	90	33	1408	10.33	3	5	ND	1	83	.4	5	2	244	1.07	.263	15	355	1.49	149	.28	11	1.45	.04	.33	1	
LR-90 L19+500E 19+450N	1	132	7	122	.1	70	45	900	13.69	2	5	ND	2	208	1.7	7	2	282	2.49	.928	33	93	1.38	59	.15	6	1.97	.02	.23	1	
STANDARD C/AU-S	18	62	36	130	7.1	73	31	1054	3.97	40	15	7	38	53	18.4	15	21	56	.51	.094	37	60	.89	180	.07	35	1.89	.06	.14	11	4

SAMPLE#	No	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm
LR-90 L19+500E 19+400N	1	129	16	129	.3	44	25	793	7.72	2	5	ND	1 118	1.0	2	2	175	1.09	.218	13	131	1.24	43	.13	5	1.85	.02	.06	2	
LR-90 L19+500E 19+350N	1	33	5	106	.3	54	26	846	9.09	2	5	ND	1 89	1.1	3	2	203	1.13	.156	7	161	1.19	63	.19	3	1.29	.02	.04	1	
LR-90 L19+500E 19+300N	1	335	5	135	.2	50	24	862	7.30	5	5	ND	1 111	.7	2	2	161	1.21	.373	17	125	1.32	70	.14	3	1.89	.02	.14	1	
LR-90 L19+500E 19+250N	1	48	9	95	.2	53	23	601	9.19	2	5	ND	1 114	.9	4	2	199	.93	.111	6	171	.92	68	.18	4	1.15	.02	.07	1	
LR-90 L19+500E 19+200N	1	195	19	105	.2	49	23	887	8.23	3	5	ND	1 128	.4	3	2	191	1.25	.196	11	134	1.04	70	.17	2	1.44	.02	.08	1	
LR-90 L19+500E 19+150N	1	457	20	102	.9	42	40	1362	8.23	5	5	ND	1 115	.2	2	2	202	.89	.230	16	105	.98	128	.05	4	1.74	.01	.13	1	
LR-90 L19+500E 19+100N	1	65	13	77	.3	45	22	594	9.30	2	5	ND	1 81	.2	2	2	210	.91	.140	7	137	.63	69	.15	5	1.00	.02	.06	1	
LR-90 L19+500E 19+050N	1	53	11	69	.4	51	22	596	8.87	2	5	ND	1 65	.2	2	2	204	.71	.118	6	127	.82	36	.18	5	1.18	.02	.04	1	
LR-90 L19+500E 19+000N	1	370	2	83	.2	57	31	696	9.21	2	5	ND	1 112	.3	4	2	193	1.26	.371	17	106	1.18	80	.15	5	1.41	.02	.18	1	
LR-90 L19+500E 18+950N	1	573	5	119	.5	61	30	1506	7.46	2	5	ND	1 157	.6	4	2	192	1.36	.338	26	142	1.26	117	.07	9	1.83	.01	.14	1	
LR-90 L19+500E 18+900N	1	23	7	63	.2	67	24	727	8.58	2	5	ND	1 83	.2	2	2	177	.71	.094	4	253	.80	73	.17	5	.92	.02	.06	1	
LR-90 L19+500E 18+850N	1	164	9	65	.3	40	22	544	8.58	2	5	ND	1 94	.6	2	3	208	.82	.105	6	121	.72	77	.18	4	1.04	.02	.10	1	
LR-90 L19+500E 18+800N	1	176	15	89	.4	43	20	815	6.95	2	5	ND	1 83	.6	4	2	179	.84	.250	10	104	1.33	68	.18	5	1.88	.02	.09	1	
LR-90 L19+600E 21+375N	1	503	15	62	.5	46	22	900	8.22	2	5	ND	1 219	.5	6	2	181	1.96	.597	23	153	1.34	149	.14	6	1.12	.03	.40	1	
LR-90 L19+600E 21+350N	1	69	2	57	.1	42	18	462	7.57	2	5	ND	1 87	.2	2	2	191	.57	.104	4	135	.87	42	.16	4	.99	.02	.06	1	
LR-90 L19+600E 21+325N	1	393	13	80	.4	53	27	770	9.32	2	5	ND	1 139	.4	4	2	198	1.12	.312	14	172	1.32	105	.13	4	1.29	.02	.26	1	
LR-90 L19+600E 21+300N	1	397	17	78	.3	57	25	687	9.37	2	5	ND	2 164	.2	3	2	204	1.13	.279	12	182	1.30	91	.14	5	1.26	.03	.22	1	
LR-90 L19+600E 21+275N	1	603	11	105	.9	76	32	1000	8.89	2	5	ND	1 179	.5	8	2	183	1.55	.379	16	180	2.28	219	.20	6	1.90	.03	.65	1	
LR-90 L19+600E 21+250N	1	452	15	85	.5	56	26	810	9.47	2	5	ND	1 163	.2	3	2	200	1.26	.327	15	173	1.39	141	.14	5	1.28	.03	.36	1	
LR-90 L19+600E 21+225N	1	457	18	128	.5	70	32	1135	7.98	6	5	ND	1 180	.2	5	2	168	1.12	.355	16	144	2.03	160	.20	5	2.11	.02	.50	1	
LR-90 L19+600E 21+200N	1	35	10	52	.3	33	16	1205	7.29	2	5	ND	1 78	.2	2	2	192	.56	.071	4	140	.57	104	.29	5	.81	.02	.08	1	
LR-90 L19+600E 21+175N	1	440	2	78	.3	53	22	702	6.34	4	5	ND	1 151	.3	2	2	146	1.04	.199	11	124	1.23	123	.14	9	1.11	.03	.35	1	
LR-90 L19+600E 21+150N	1	446	8	67	.7	53	27	701	13.28	2	5	ND	2 181	.2	4	2	260	1.73	.493	23	258	.93	74	.10	6	.83	.03	.25	1	
LR-90 L19+600E 21+125N	1	247	15	61	.3	49	22	667	10.50	2	5	ND	1 112	.2	2	2	231	.99	.265	11	185	.87	63	.11	6	.99	.02	.20	3	
LR-90 L19+600E 21+100N	1	67	9	63	.3	36	18	786	9.06	2	5	ND	1 107	.2	2	2	214	.45	.090	3	148	.79	53	.17	6	1.18	.02	.06	1	
LR-90 L19+600E 21+075N	1	67	15	77	.6	41	19	758	8.04	8	5	ND	1 133	.2	2	2	190	.49	.105	4	133	1.09	104	.17	5	1.44	.02	.06	1	
LR-90 L19+600E 21+050N	1	100	16	67	.3	40	19	581	9.23	2	5	ND	1 100	.2	2	2	205	.75	.245	8	161	1.03	39	.14	3	1.51	.02	.08	5	
LR-90 L19+600E 21+025N	1	74	15	62	.4	28	15	559	6.91	2	5	ND	1 84	.5	2	2	183	.56	.120	5	114	.78	49	.16	4	1.23	.02	.10	3	
LR-90 L19+600E 21+000N	1	261	12	75	.2	61	30	596	10.25	2	5	ND	1 234	.2	4	3	210	1.87	.693	21	192	1.66	254	.18	5	1.60	.04	.48	4	
LR-90 L19+600E 20+975N	21	501	14	99	.2	37	16	574	6.40	2	5	ND	1 96	.6	3	2	213	.59	.153	9	110	1.17	108	.14	6	1.74	.02	.11	1	
LR-90 L19+600E 20+950N	8	201	13	82	.2	41	17	456	6.95	4	5	ND	1 115	.2	5	2	197	.81	.186	9	124	1.15	93	.15	5	1.44	.02	.07	1	
LR-90 L19+600E 20+925N	7	2908	16	129	2.4	39	26	2417	5.88	7	5	ND	1 335	1.9	2	4	205	1.35	.228	42	144	.98	380	.07	5	2.38	.02	.21	2	
LR-90 L19+600E 20+900N	1	31	7	92	.3	50	20	829	5.71	2	5	ND	1 44	.5	3	2	140	.75	.108	5	159	1.25	42	.21	5	1.41	.03	.14	1	
LR-90 L19+600E 20+875N	1	233	9	80	.2	43	18	549	7.12	2	5	ND	1 93	.2	2	2	181	.87	.217	9	127	1.02	61	.14	5	1.20	.03	.11	1	
LR-90 L19+600E 20+850N	1	346	19	61	.7	45	21	664	7.51	2	5	ND	2 137	.2	3	2	169	1.74	.436	20	167	1.11	102	.13	5	1.09	.03	.31	1	
LR-90 L19+600E 20+825N	1	53	15	46	.6	28	13	368	6.96	2	5	ND	1 71	.2	2	3	202	.40	.045	3	123	.46	62	.15	3	.71	.02	.07	1	
STANDARD C/AU-S	20	63	40	131	7.5	73	31	1053	3.96	39	16	7	37	52	18.8	15	21	56	.51	.096	37	61	.88	181	.07	38	1.88	.06	.14	11

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Tl	B	Al	Na	K	V
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm
LR-90 L19+600E 20+800N	1	81	17	91	.3	31	15	558	5.31	2	5	ND	1	112	.9	2	2	159	.63	.056	4	89	.93	85	.21	6	1.27	.03	.17	1
LR-90 L19+600E 20+775N	1	327	12	127	1.0	51	24	947	9.86	2	5	ND	1	159	.4	2	2	212	1.08	.230	11	156	1.28	58	.17	5	2.01	.03	.10	1
LR-90 L19+600E 20+750N	1	76	21	75	.7	27	13	800	6.32	2	5	ND	1	132	1.2	2	2	188	.51	.078	4	103	.53	50	.19	5	1.34	.02	.06	1
LR-90 L19+600E 20+725N	1	70	3	101	.6	47	22	735	9.58	2	5	ND	1	113	.2	2	2	211	.75	.152	6	163	1.13	69	.23	2	1.45	.02	.06	1
LR-90 L19+600E 20+700N	2	214	14	107	.6	30	15	571	5.29	2	5	ND	1	121	1.3	2	2	183	.53	.091	6	93	1.09	57	.19	2	2.09	.02	.10	1
LR-90 L19+600E 20+675N	1	99	10	135	.4	45	23	876	8.44	2	5	ND	1	102	.2	2	2	236	.87	.210	9	111	1.60	61	.15	5	2.06	.02	.19	1
LR-90 L19+600E 20+650N	1	7	3	108	.3	90	32	732	9.49	2	5	ND	1	130	.2	5	2	183	1.49	.289	14	283	1.83	49	.24	8	1.93	.03	.27	1
LR-90 L19+600E 20+625N	1	84	7	77	.5	29	14	477	8.66	2	5	ND	1	171	.2	2	2	215	.74	.136	7	122	.87	68	.16	6	1.80	.02	.06	1
LR-90 L19+600E 20+600N	1	16	12	116	.3	63	26	647	8.27	2	5	ND	1	38	.2	4	2	186	.63	.109	6	221	1.44	70	.32	7	1.17	.03	.12	1
LR-90 L19+600E 20+575N	12	922	17	109	.6	16	22	2622	3.73	2	5	ND	1	232	1.5	2	2	140	1.20	.432	35	55	.44	254	.03	3	2.03	.02	.12	1
LR-90 L19+600E 20+550N	1	129	9	102	.4	34	17	906	8.39	2	5	ND	1	133	.2	2	2	201	.66	.129	5	118	.86	64	.17	4	1.68	.02	.08	1
LR-90 L19+600E 20+525N	13	315	9	137	.6	45	31	6863	11.23	2	5	ND	1	100	.2	2	2	223	.81	.332	11	195	1.05	184	.11	4	2.01	.02	.07	1
LR-90 L19+600E 20+500N	2	86	12	97	.3	48	28	2082	11.56	2	5	ND	1	93	.2	2	2	231	.65	.181	6	176	.84	85	.23	6	1.64	.02	.05	1
LR-90 L19+600E 20+475N	9	78	8	72	.1	17	11	909	6.64	2	5	ND	1	67	.2	2	2	189	.58	.111	5	103	.47	73	.22	5	.93	.02	.06	1
LR-90 L19+600E 20+450N	1	4	3	72	.1	91	29	466	8.01	2	5	ND	1	67	.2	5	2	127	1.02	.305	12	289	1.67	107	.19	5	1.30	.02	.47	1
LR-90 L19+600E 20+425N	1	162	9	160	.4	85	40	1188	12.19	2	5	ND	1	168	.2	9	2	212	2.29	.329	16	248	1.86	106	.17	8	1.89	.02	.13	1
LR-90 L19+600E 20+400N	2	440	27	222	.3	66	39	1820	8.84	2	5	ND	1	195	.2	8	2	170	1.95	.443	19	138	2.66	82	.13	6	2.03	.02	.04	1
LR-90 L19+600E 20+375N	1	358	10	136	.2	72	31	691	10.07	2	5	ND	1	87	.2	6	2	191	1.22	.487	16	178	2.01	44	.14	7	2.18	.02	.10	1
LR-90 L19+600E 20+350N	1	144	11	91	.2	23	16	542	6.77	2	5	ND	1	66	.2	2	2	170	.36	.090	3	79	.69	37	.11	6	1.11	.02	.07	1
LR-90 L19+600E 20+325N	3	222	6	148	.1	23	21	1116	5.67	2	5	ND	1	183	.9	2	2	150	.71	.061	4	63	1.34	57	.19	3	1.72	.01	.07	2
LR-90 L19+600E 20+300N	4	835	2	137	.4	34	19	886	6.70	2	5	ND	1	146	.2	2	2	168	1.35	.343	19	86	1.28	41	.13	6	1.94	.02	.07	1
LR-90 L19+600E 20+275N	75	5684	17	111	.2	21	22	7063	4.88	10	5	ND	1	287	3.3	2	4	156	1.91	.483	78	76	.45	342	.03	2	2.06	.01	.07	1
LR-90 L19+600E 20+250N	6	7582	19	272	.6	28	18	1211	3.90	8	9	ND	1	223	3.2	2	2	95	1.13	.342	87	68	1.03	256	.03	2	2.77	.01	.12	1
LR-90 L19+600E 20+225N	6	5329	11	244	1.4	12	13	2336	1.59	3	5	ND	1	426	7.9	2	2	39	3.67	.211	59	34	.28	203	.01	5	1.48	.01	.06	1
LR-90 L19+600E 20+000N BL	1	105	13	87	.2	44	21	614	11.44	2	6	ND	1	147	.2	3	2	251	1.05	.099	6	179	.64	115	.29	5	.88	.02	.08	1
LR-90 L19+600E 19+950N	10	1900	22	163	.3	59	26	1307	10.34	2	5	ND	1	205	.4	3	2	205	1.59	.382	21	181	1.09	124	.13	6	1.48	.02	.11	1
LR-90 L19+600E 19+900N	1	77	9	106	.5	57	26	625	10.05	2	5	ND	1	160	.2	2	2	203	1.10	.273	11	186	1.24	67	.16	5	1.43	.02	.06	1
LR-90 L19+600E 19+850N	1	71	12	91	.4	58	26	674	13.78	2	5	ND	1	108	.2	6	2	257	.92	.082	3	277	.81	62	.18	7	1.11	.02	.05	1
LR-90 L19+600E 19+800N	2	496	12	146	.3	55	30	1591	10.44	2	5	ND	1	171	.2	6	2	212	1.41	.268	15	182	1.35	152	.10	5	1.68	.02	.09	1
LR-90 L19+600E 19+750N	6	7935	3	122	1.5	10	7	79	.81	8	34	ND	1	479	3.5	3	2	60	2.69	.143	16	101	.10	252	.01	5	.31	.01	.02	1
LR-90 L19+600E 19+700N	31	287	2	37	.2	3	2	36	.44	3	84	ND	1	749	.3	2	2	30	2.77	.134	2	74	.08	111	.01	3	.15	.01	.02	6
LR-90 L19+600E 19+650N	1	167	6	140	.3	57	34	1138	11.38	2	5	ND	1	251	.2	8	2	215	1.87	.269	13	186	1.39	90	.16	6	1.54	.03	.10	1
LR-90 L19+600E 19+600N	1	184	2	110	.4	49	26	720	10.85	2	5	ND	1	158	.2	4	2	237	1.45	.210	12	146	.99	82	.22	5	1.16	.02	.08	1
LR-90 L19+600E 19+550N	1	154	2	110	.3	61	29	1064	10.99	2	5	ND	1	145	.2	6	2	212	1.25	.216	10	196	1.22	65	.15	7	1.38	.02	.06	1
LR-90 L19+600E 19+500N	1	59	5	93	.5	52	26	1174	10.86	2	5	ND	1	86	.2	6	2	234	.92	.157	7	178	1.13	51	.18	4	1.46	.02	.05	1
LR-90 L19+600E 19+450N	1	33	2	99	.1	78	30	687	8.32	2	5	ND	1	1067	.2	6	2	141	1.32	.302	14	224	1.79	407	.13	4	1.87	.03	.11	1
STANDARD C/AU-S	20	62	41	134	7.2	73	32	1056	3.97	40	17	7	36	53	19.0	15	18	57	.52	.095	37	59	.89	181	.08	36	1.88	.06	.13	11

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Tl	B	Al	Na	K	W
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm
LR-90 L19+600E 19+400N	1	24	10	148	.1	88	37	1004	12.73	2	5	ND	1	83	.2	6	2	254	1.06	.151	10	296	1.46	124	.28	5	1.56	.02	.08	2
LR-90 L19+600E 19+350N	1	20	9	63	.1	31	19	588	9.49	2	6	ND	1	120	.5	3	2	228	.56	.055	4	108	.42	83	.27	2	.75	.02	.07	1
LR-90 L19+600E 19+300N	4	350	23	395	.2	70	38	2898	9.21	2	5	ND	1	152	1.3	9	3	212	1.25	.254	18	165	1.65	85	.11	2	2.68	.02	.10	1
LR-90 L19+600E 19+250N	1	58	10	81	.2	41	21	756	9.52	2	5	ND	1	100	.5	4	2	219	.83	.068	4	176	.62	47	.19	2	1.03	.02	.04	1
LR-90 L19+600E 19+200N	12	54	8	100	.2	36	25	1286	8.90	4	5	ND	1	143	1.8	6	2	276	1.37	.155	7	112	.82	117	.16	2	1.15	.02	.13	1
LR-90 L19+600E 19+150N	1	20	9	80	.2	37	20	1408	9.43	2	5	ND	1	90	1.3	6	2	254	.65	.245	9	93	.74	73	.18	2	1.26	.02	.05	1
LR-90 L19+600E 19+100N	1	18	6	110	.4	65	30	860	11.76	2	5	ND	1	84	.2	8	2	247	1.23	.114	7	198	.95	70	.25	4	1.13	.02	.07	1
LR-90 L19+600E 19+050N	3	365	5	139	.4	63	34	1772	10.31	3	5	ND	1	184	.2	8	2	223	1.92	.424	24	160	1.32	128	.07	2	1.85	.02	.11	1
LR-90 L19+600E 19+000N	1	210	8	88	.1	52	24	624	5.54	5	5	ND	1	209	.3	4	2	133	1.40	.313	16	93	1.20	101	.13	2	1.29	.02	.23	1
LR-90 L19+600E 18+950N	1	82	7	116	.4	47	24	1000	8.51	3	5	ND	1	96	.2	6	2	183	1.19	.184	9	115	1.16	60	.19	4	1.49	.02	.05	1
LR-90 L19+600E 18+900N	1	105	5	76	.3	47	24	825	11.57	2	9	ND	1	122	.2	6	2	263	.90	.164	8	168	.69	75	.14	3	1.20	.02	.07	1
LR-90 L19+600E 18+850N	1	55	2	90	.3	57	23	743	9.07	2	5	ND	1	69	.2	4	2	211	.72	.113	6	148	1.06	55	.25	3	1.39	.02	.12	1
LR-90 L19+600E 18+800N	1	692	15	115	.4	71	34	913	8.99	2	5	ND	1	155	.8	8	3	179	1.50	.321	20	163	1.64	141	.17	4	2.08	.02	.35	1
LR-90 L19+600E 18+750N	1	96	7	115	.2	51	28	734	10.48	2	5	ND	1	142	.2	7	2	229	1.40	.232	10	135	.94	108	.18	3	1.20	.02	.12	1
LR-90 L19+600E 18+700N	1	80	7	86	.2	46	23	849	9.91	2	5	ND	1	92	.2	4	2	212	.86	.117	7	162	.72	78	.15	3	1.16	.02	.07	1
LR-90 L19+600E 18+650N	3	290	2	78	.2	42	18	986	4.78	2	5	ND	1	140	1.2	2	2	127	1.35	.258	13	72	.94	110	.06	5	1.38	.02	.20	1
LR-90 L19+600E 18+600N	2	105	8	90	.3	52	27	1910	9.14	2	5	ND	1	153	.2	6	2	204	1.31	.256	12	168	1.13	116	.10	4	1.47	.02	.08	1
LR-90 L19+600E 18+550N	1	44	5	57	.3	38	18	620	9.00	2	8	ND	1	83	.2	4	3	202	.84	.111	5	117	.46	58	.17	2	.98	.02	.05	1
LR-90 L19+600E 18+500N	1	190	13	54	.5	30	16	698	7.38	2	5	ND	1	73	.2	2	2	194	.66	.118	7	102	.46	45	.16	5	1.04	.02	.05	1
LR-90 L19+700E 21+300N	2	297	2	113	.4	43	29	1447	7.18	2	5	ND	1	161	.2	5	2	175	.81	.248	11	84	1.37	110	.18	5	1.84	.03	.14	1
LR-90 L19+700E 21+250N	15	308	11	104	.1	28	20	2641	6.99	2	5	ND	1	93	.4	3	2	196	.58	.166	7	86	.80	206	.17	2	1.35	.02	.08	1
LR-90 L19+700E 21+200N	14	608	19	102	.3	7	13	1993	4.78	11	5	ND	1	50	.7	3	2	136	.36	.097	14	12	.35	85	.04	2	1.13	.02	.07	2
LR-90 L19+700E 21+150N	8	806	15	120	.2	45	23	1068	5.16	6	5	ND	1	183	.8	6	4	122	1.22	.234	16	87	1.47	170	.14	4	1.71	.02	.16	1
LR-90 L19+700E 21+100N	1	51	2	51	.2	38	17	574	10.07	2	11	ND	1	109	.2	2	2	245	.47	.039	3	173	.40	59	.21	5	.71	.02	.07	1
LR-90 L19+700E 21+050N	1	70	12	57	.3	39	16	497	7.91	2	9	ND	1	81	.2	2	2	212	.39	.062	2	150	.84	52	.23	4	1.13	.02	.12	1
LR-90 L19+700E 21+000N	1	81	7	80	.2	43	20	541	7.36	3	5	ND	1	102	.5	4	2	175	.50	.101	4	115	1.19	48	.22	2	1.64	.02	.08	1
LR-90 L19+700E 20+950N	1	191	7	86	.5	42	19	608	6.95	2	5	ND	1	107	.2	2	2	179	.89	.241	9	119	1.10	47	.14	3	1.39	.02	.07	2
LR-90 L19+700E 20+900N	1	41	4	40	.2	28	13	330	8.03	2	10	ND	1	156	.2	2	2	211	.39	.041	2	135	.23	95	.20	4	.59	.02	.06	2
LR-90 L19+700E 20+850N	1	67	3	98	.3	52	24	889	8.94	2	5	ND	1	75	.2	4	2	202	.87	.193	7	162	1.43	70	.26	6	1.56	.02	.08	1
LR-90 L19+700E 20+800N	2	945	5	127	.5	47	21	532	4.06	17	5	ND	1	208	.2	5	2	169	1.55	.226	16	145	1.36	246	.12	6	1.64	.02	.29	3
LR-90 L19+700E 20+750N	1	293	4	92	.6	70	33	945	11.10	2	7	ND	1	167	.2	8	2	226	1.67	.456	16	205	2.02	276	.21	2	1.72	.03	.59	1
LR-90 L19+700E 20+700N	3	153	11	101	.1	35	23	2191	6.79	2	5	ND	1	81	.4	2	2	183	.57	.099	6	125	.82	236	.23	2	1.13	.02	.24	1
LR-90 L19+700E 20+650N	2	527	10	78	.2	50	26	912	7.44	2	5	ND	1	145	.3	2	2	191	1.27	.198	11	171	1.18	197	.16	5	1.29	.02	.18	1
LR-90 L19+700E 20+600N	2	591	2	94	.1	68	24	538	6.58	2	6	ND	1	116	.7	3	2	147	1.21	.284	11	194	1.71	46	.20	5	1.72	.02	.04	1
LR-90 L19+700E 20+550N	2	312	9	90	.2	37	40	2484	6.86	2	5	ND	1	93	1.0	2	2	177	.78	.140	12	106	.99	148	.14	2	1.67	.02	.09	1
LR-90 L19+700E 20+500N	3	162	25	45	.8	39	24	1413	7.99	2	5	ND	1	65	.2	2	2	222	.30	.100	5	127	.41	66	.16	2	1.12	.02	.06	1
STANDARD C/AU-S	20	62	40	133	7.3	72	31	1054	3.96	41	20	7	36	53	18.4	15	21	57	.51	.094	37	61	.88	180	.07	37	1.90	.06	.13	11

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	M
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	%
LR-90 L19+700E 20+450N	3	89	11	56	.1	14	12	659	6.33	4	5	ND	1	97	.7	2	5	211	.53	.042	4	67	.42	71	.25	2	.94	.03	.10	1
LR-90 L19+700E 20+400N	16	921	4	112	.5	26	36	2160	5.91	7	5	ND	1	130	1.5	2	2	165	.88	.168	16	71	.75	190	.06	2	1.85	.01	.12	1
LR-90 L19+700E 20+350N	1	163	11	86	.1	32	21	802	8.24	5	5	ND	1	67	.7	2	2	244	.51	.059	3	119	.88	69	.22	3	1.01	.03	.14	1
LR-90 L19+700E 20+300N	15	5139	28	240	1.9	24	80	2916	5.63	8	5	ND	1	138	2.9	5	2	123	1.10	.290	96	76	1.01	92	.06	2	2.56	.02	.09	1
LR-90 L19+700E 20+250N	1	546	7	98	.4	26	18	743	5.91	5	5	ND	1	116	.4	3	2	169	.72	.221	10	74	1.06	52	.14	2	1.61	.02	.14	1
LR-90 L19+700E 20+200N	1	313	12	110	.2	37	23	1078	6.90	2	5	ND	1	65	.4	4	3	198	.72	.243	10	97	1.26	71	.19	2	1.61	.02	.19	1
LR-90 L19+700E 20+150N	1	180	2	149	.3	59	44	1009	10.40	2	5	ND	1	161	.9	9	2	185	2.44	.816	28	45	2.01	88	.11	2	1.90	.04	.30	1
LR-90 L19+700E 20+100N	2	712	18	137	.3	66	35	895	6.96	5	5	ND	1	95	.8	7	2	149	1.37	.445	18	193	2.41	185	.21	2	2.10	.03	.59	1
LR-90 L19+700E 20+050N	3	89	12	169	.1	53	29	1025	8.05	3	5	ND	1	112	.8	5	2	203	1.42	.308	13	179	1.70	175	.23	2	1.73	.02	.56	1
LR-90 L19+800E 21+400N	1	200	11	86	.3	29	17	505	7.31	6	5	ND	1	76	.4	2	3	193	.50	.153	5	85	.97	48	.16	2	1.53	.02	.06	1
LR-90 L19+800E 21+350N	8	418	7	106	.2	18	15	1226	6.51	6	5	ND	1	108	.4	2	2	186	.64	.074	5	51	.71	129	.14	2	1.50	.03	.07	1
LR-90 L19+800E 21+300N	1	96	10	64	.2	22	15	855	6.58	3	5	ND	1	62	.5	2	3	194	.34	.087	3	87	.66	61	.19	2	1.05	.02	.09	1
LR-90 L19+800E 21+250N	18	873	16	122	1.0	2	13	2096	4.49	15	5	ND	1	39	1.4	2	4	126	.27	.089	20	10	.31	91	.03	3	1.16	.03	.07	1
LR-90 L19+800E 21+150N	14	613	31	183	.3	38	28	1352	7.51	7	5	ND	1	142	.9	13	2	183	1.08	.279	14	92	1.77	78	.17	5	2.30	.02	.10	1
LR-90 L19+800E 21+050N	2	77	11	73	.1	38	20	964	7.67	2	5	ND	1	53	.4	5	2	203	.41	.173	6	111	1.15	70	.21	2	1.55	.02	.07	1
LR-90 L19+800E 21+000N	1	23	27	108	.1	69	29	1084	6.76	2	5	ND	1	59	1.0	5	2	162	.68	.247	13	183	1.88	153	.27	2	1.69	.02	.29	1
LR-90 L19+800E 20+950N	2	63	5	110	.3	72	33	1960	6.78	2	5	ND	1	98	.8	6	2	171	1.19	.316	16	162	2.14	275	.24	2	1.95	.02	.32	1
LR-90 L19+800E 20+900N	1	24	17	88	.2	69	32	640	8.49	3	5	ND	1	123	.4	6	3	178	1.51	.504	17	195	1.96	125	.23	2	1.79	.02	.31	1
LR-90 L19+800E 20+850N	3	139	9	104	.2	38	31	1197	8.58	8	5	ND	1	81	1.0	7	2	227	.93	.381	15	133	1.26	146	.15	2	1.72	.01	.23	1
LR-90 L19+800E 20+800N	1	116	14	92	.3	36	20	755	7.40	2	5	ND	1	66	.4	4	2	194	.52	.120	4	126	1.25	93	.20	2	1.34	.02	.12	1
LR-90 L19+800E 20+750N	1	129	2	88	.3	36	19	731	6.42	2	5	ND	1	60	.2	2	2	173	.38	.081	3	111	1.18	60	.20	2	1.46	.02	.11	2
LR-90 L19+800E 20+700N	1	74	7	55	.4	24	14	400	5.88	3	5	ND	1	67	.5	2	2	178	.36	.051	2	109	.65	39	.20	2	.97	.02	.07	1
LR-90 L19+800E 20+650N	1	36	2	62	.1	29	15	757	6.26	2	5	ND	1	59	.2	2	2	190	.88	.068	2	144	.62	66	.22	2	.84	.02	.08	1
LR-90 L19+800E 20+600N	1	146	6	90	.2	134	37	653	6.34	2	5	ND	1	190	.7	5	2	114	1.49	.458	16	302	3.53	509	.28	2	2.65	.03	1.40	1
LR-90 L19+800E 20+550N	2	934	9	162	1.3	72	36	901	9.89	4	5	ND	1	191	.2	9	2	204	2.13	.420	22	199	2.02	137	.15	2	2.07	.02	.42	1
LR-90 L19+800E 20+500N	4	146	12	69	.4	28	19	1053	7.81	2	5	ND	1	102	.8	2	2	217	.68	.080	4	131	.69	93	.17	2	1.21	.02	.12	1
LR-90 L19+800E 20+450N	2	602	8	136	.5	51	28	673	6.70	5	5	ND	1	146	.7	4	2	189	.91	.225	15	131	1.33	123	.19	2	1.58	.02	.38	3
LR-90 L19+800E 20+400N	4	128	2	217	.2	61	36	1137	8.38	2	5	ND	1	132	.2	6	2	194	1.86	.591	22	140	1.76	248	.17	2	1.63	.02	.56	1
LR-90 L19+800E 20+350N	3	460	17	186	.2	42	33	1690	6.47	2	5	ND	1	194	.7	9	2	154	1.00	.274	13	66	2.53	145	.18	2	2.44	.03	.39	1
LR-90 L19+800E 20+250N	2	692	18	162	.5	56	32	1948	7.24	4	5	ND	1	574	1.1	7	2	154	1.16	.290	16	112	2.43	149	.16	2	2.35	.02	.32	1
LR-90 L19+800E 20+200N	1	46	5	89	.2	47	35	676	9.74	2	5	ND	1	169	.2	8	2	244	1.28	.410	15	106	1.67	58	.18	2	1.70	.03	.13	1
LR-90 L19+800E 20+150N	1	66	5	140	.1	61	43	958	11.72	3	5	ND	1	156	1.2	10	2	232	2.53	.972	38	166	2.24	91	.13	2	1.81	.03	.46	1
LR-90 L19+800E 20+100N	8	232	28	290	.3	5	11	1172	7.53	13	5	ND	1	415	1.0	6	2	188	.43	.137	8	19	1.47	68	.07	2	4.79	.01	.05	1
LR-90 L19+800E 20+050N	1	81	3	155	.2	53	35	874	7.72	2	5	ND	1	145	.4	9	2	170	1.38	.391	16	127	2.62	55	.14	2	2.29	.02	.11	1
LR-90 L19+800E 20+000N	1	1354	5	304	.5	24	23	1981	13.26	14	5	ND	5	105	1.2	11	2	495	3.44	1.610	49	50	2.07	72	.08	2	2.37	.03	.55	1
LR-90 L19+900E 21+300N	1	299	8	90	.1	13	20	1910	7.00	5	5	ND	1	103	.4	2	2	193	.91	.290	11	29	.96	148	.10	2	1.79	.03	.10	1
STANDARD C/AU-S	20	62	38	129	7.5	73	32	1054	3.98	41	18	7	36	52	18.4	15	19	57	.51	.096	38	61	.90	180	.07	36	1.88	.06	.14	13

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Tl	B	Al	Na	K	W
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm
LR-90 L19+900E 21+250N	1	102	7	62	.4	3	8	1202	3.29	2	5	ND	1	79	.4	2	2	91	.46	.219	3	5	.27	145	.01	4	1.20	.03	.06	1
LR-90 L19+900E 21+200N	1	175	11	31	.4	6	4	1347	.99	2	5	ND	1	123	.5	2	2	26	1.32	.147	3	4	.11	184	.01	3	.41	.01	.07	1
LR-90 L19+900E 21+150N	13	325	30	83	.1	5	10	1324	4.47	7	5	ND	1	41	.8	2	3	138	.30	.088	8	4	.19	81	.01	2	.87	.02	.06	1
LR-90 L19+900E 21+100N	1	46	10	119	.1	76	26	780	7.50	2	5	ND	1	72	.8	3	2	173	.58	.172	8	160	2.22	39	.27	2	2.63	.02	.06	1
LR-90 L19+900E 21+050N	1	267	10	70	1.0	20	13	513	7.76	3	5	ND	1	75	.9	2	2	204	.33	.094	6	54	.83	41	.12	2	2.42	.02	.06	1
LR-90 L19+900E 21+000N	1	62	6	99	.1	100	32	777	6.91	2	5	ND	1	116	.9	6	2	162	.96	.339	18	166	2.92	109	.25	2	2.46	.03	.66	1
LR-90 L19+900E 20+950N	1	27	8	129	.3	98	30	682	8.70	2	5	ND	1	120	.7	10	2	176	.79	.264	13	247	2.85	72	.28	3	2.46	.02	.19	1
LR-90 L19+900E 20+900N	1	50	2	118	.1	72	31	897	8.80	2	5	ND	1	161	1.8	6	2	199	1.49	.362	15	188	2.04	151	.21	2	1.89	.02	.26	1
LR-90 L19+900E 20+850N	1	67	12	107	.2	51	26	1112	9.78	2	5	ND	1	91	1.9	5	2	239	.82	.219	10	163	1.61	62	.23	7	2.03	.03	.07	1
LR-90 L19+900E 20+800N	12	518	18	143	.4	77	38	1044	9.30	2	5	ND	2	142	2.0	11	2	222	1.26	.309	24	169	2.50	267	.21	3	2.79	.02	.44	1
LR-90 L19+900E 20+750N	1	134	14	178	.1	58	49	3813	9.22	2	5	ND	1	137	3.1	6	3	186	1.09	.336	9	142	2.04	446	.12	2	2.07	.02	.33	1
LR-90 L19+900E 20+700N	1	295	18	105	.1	22	24	1845	8.77	2	5	ND	1	47	1.6	5	2	227	.44	.208	6	62	1.78	110	.15	2	2.58	.02	.22	1
LR-90 L19+900E 20+650N	1	189	2	95	.1	58	26	880	8.37	2	5	ND	1	67	.9	6	2	196	.64	.188	9	189	1.89	79	.20	2	1.86	.02	.14	1
LR-90 L19+900E 20+600N	3	128	15	60	.1	24	11	451	5.68	2	5	ND	1	126	.6	2	2	191	.51	.105	4	94	.72	70	.20	2	1.33	.02	.13	1
LR-90 L19+900E 20+550N	3	475	6	93	.1	86	23	524	6.81	2	5	ND	1	151	1.2	5	2	170	1.30	.216	12	234	2.21	244	.28	3	2.06	.03	.30	1
LR-90 L19+900E 20+500N	3	578	16	120	.1	71	29	1096	7.24	2	5	ND	1	159	.7	4	2	166	1.35	.230	11	161	2.01	242	.16	2	1.90	.03	.28	1
LR-90 L19+900E 20+450N	1	117	8	57	.1	32	15	500	8.62	2	5	ND	1	91	.6	2	2	222	.56	.045	3	141	.55	53	.24	3	.89	.03	.10	1
LR-90 L19+900E 20+400N	1	189	10	86	.1	37	18	601	6.31	4	5	ND	1	90	.4	2	2	168	.60	.151	7	104	1.12	59	.17	2	1.39	.03	.18	1
LR-90 L19+900E 20+350N	5	730	12	103	.2	40	24	700	7.92	2	5	ND	1	128	.7	2	2	212	1.28	.319	24	91	1.48	181	.19	3	2.01	.03	.24	1
LR-90 L19+900E 20+300N	1	580	10	137	.2	55	37	1138	9.55	2	5	ND	1	200	1.1	11	2	203	2.16	.634	27	105	2.67	482	.16	2	2.36	.03	.82	1
LR-90 L19+900E 20+250N	1	891	2	161	.2	48	43	1308	10.43	2	5	ND	1	276	1.4	9	2	219	2.72	.799	33	86	3.00	612	.09	2	2.60	.03	.96	1
LR-90 L19+900E 20+200N	1	346	6	177	.3	49	39	1473	9.77	2	5	ND	1	188	1.7	11	2	201	1.77	.503	22	89	2.89	440	.17	2	2.78	.04	.87	1
LR-90 L19+900E 20+150N	1	87	2	110	.1	71	37	833	9.96	2	5	ND	1	84	.2	8	2	213	1.76	.493	24	210	2.11	166	.17	2	1.77	.04	.78	1
LR-90 L19+900E 20+100N	1	172	9	143	.3	48	34	1297	10.45	2	5	ND	1	140	.8	8	2	227	1.34	.402	20	92	2.17	97	.14	2	2.30	.02	.29	1
LR-90 L19+900E 20+050N	1	98	11	158	.3	56	29	1162	8.45	2	5	ND	1	175	.4	6	2	195	1.63	.451	23	99	1.89	132	.11	2	2.60	.02	.33	1
LR-90 L19+900E 20+000N	10	863	11	73	.1	99	27	603	10.82	28	5	ND	1	103	1.2	3	2	116	1.04	.505	13	145	.95	67	.10	2	1.70	.03	.16	1
STANDARD C/AU-S	19	61	38	130	7.1	73	32	1053	3.97	41	19	7	37	53	18.5	15	21	57	.51	.094	38	61	.88	179	.07	36	1.88	.06	.14	13

GEOCHEMICAL ANALYSIS CERTIFICATE

C.E.C. Engineering Ltd. PROJECT LOR File # 90-3684 Page 1

1270 - 601 W. Hastings St, Vancouver BC V6B 5A6

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	U
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm
LR-90 L25+000N 20+650E	1	365	12	91	.1	45	22	785	8.26	2	5	ND	1 114	.2	2	5	214	.75	.115	5	170	1.04	89	.26	2	1.78	.02	.08	1	
LR-90 L25+000N 20+700E	1	323	2	120	.3	65	42	1121	12.18	6	5	ND	3 152	.2	3	4	334	2.38	.697	29	171	1.22	96	.20	7	1.72	.03	.39	1	
LR-90 L25+000N 21+000E	1	47	10	102	.2	72	22	572	7.45	2	5	ND	1 97	.2	2	2	215	.88	.137	5	203	1.35	87	.32	3	1.68	.04	.20	1	
LR-90 L25+000N 21+050E	4	507	15	118	.2	57	26	1844	7.14	8	5	ND	1 144	.2	2	2	220	1.16	.223	11	157	1.33	248	.15	2	2.08	.02	.15	1	
LR-90 L25+000N 21+100E	7	1146	18	196	1.7	66	63	2011	7.90	2	5	ND	1 242	.2	2	2	231	1.62	.384	19	108	2.09	459	.14	2	2.99	.02	.30	1	
LR-90 L25+000N 21+150E	7	214	14	140	.2	49	32	3073	6.64	4	5	ND	1 279	.2	3	2	197	1.82	.295	9	126	1.45	345	.18	2	1.74	.03	.13	1	
LR-90 L25+000N 21+200E	4	106	7	105	.3	58	30	920	10.48	4	5	ND	1 127	.3	4	2	282	1.22	.238	12	212	1.26	81	.20	6	1.90	.02	.17	1	
LR-90 L25+000N 21+250E	3	729	2	94	.3	77	36	1058	9.20	4	5	ND	1 258	.4	3	3	329	4.53	.501	23	221	1.90	199	.30	3	2.17	.02	.70	1	
LR-90 L25+000N 21+300E	1	344	12	128	.2	59	28	844	9.08	8	5	ND	1 164	.2	4	6	252	1.57	.345	15	195	1.39	101	.23	5	1.76	.03	.15	1	
LR-90 L25+000N 21+350E	1	425	44	148	.4	70	38	1429	9.60	7	5	ND	1 205	.2	2	4	242	2.17	.523	21	164	1.66	151	.19	2	1.89	.03	.17	1	
LR-90 L25+000N 21+400E	1	410	14	130	.3	50	28	1054	8.82	5	5	ND	1 142	.2	2	2	267	1.48	.362	15	150	1.27	63	.25	3	1.99	.03	.19	1	
LR-90 L25+000N 21+450E	1	942	49	138	.4	82	45	1120	11.64	8	5	ND	2 292	.3	4	4	268	2.62	.772	26	191	1.99	390	.17	3	2.17	.03	.79	1	
LR-90 L25+000N 21+500E	1	987	10	156	.2	69	47	1381	10.09	2	5	ND	1 237	.2	2	4	242	2.35	.677	26	136	1.98	282	.17	2	2.28	.03	.54	1	
LR-90 L25+000N 21+550E	1	1024	34	163	.3	70	42	1260	7.66	2	5	ND	1 185	.2	2	2	193	1.92	.491	23	126	2.55	254	.20	2	2.63	.03	.60	1	
LR-90 L25+000N 21+600E	1	1093	23	116	.2	70	40	969	8.51	3	5	ND	1 245	.2	4	3	221	2.04	.608	24	170	2.11	281	.23	2	2.39	.03	.65	1	
LR-90 L21+000N 20+000E BL	21	475	28	161	.6	7	14	2464	5.65	9	5	ND	1 61	.7	3	2	161	.65	.147	11	10	.51	137	.02	2	1.18	.02	.10	1	
LR-90 L21+000N 20+050E B	3	448	20	193	.8	7	23	3529	7.37	2	5	ND	1 87	.6	2	2	207	1.25	.271	19	10	1.11	140	.10	2	2.36	.04	.10	1	
LR-90 L21+000N 20+100E	3	531	23	180	.5	7	21	3829	6.16	6	5	ND	1 121	.4	3	2	159	1.36	.258	16	11	.85	122	.04	2	2.81	.03	.09	1	
LR-90 L21+000N 20+000E	1	50	3	33	.1	5	13	1057	4.71	3	5	ND	1 24	.2	2	2	145	.39	.105	6	8	.64	92	.11	2	.91	.03	.12	1	
LR-90 L21+000N 20+050E	2	139	16	90	.7	6	13	1516	7.26	2	5	ND	1 77	.2	2	2	216	.30	.200	6	11	.37	87	.03	2	1.71	.02	.06	1	
LR-90 L21+000N 20+250E	3	539	39	157	.5	6	27	4956	9.09	6	5	ND	1 127	.8	2	6	230	1.30	.226	17	11	.90	232	.08	4	2.89	.03	.07	1	
LR-90 L21+000N 20+277E	1	466	6	136	.5	5	23	4495	8.19	3	5	ND	1 93	.5	2	4	213	1.53	.262	19	6	.85	103	.08	2	1.95	.03	.05	1	
LR-90 L20+900N 20+000E	1	217	3	129	.3	94	35	1052	6.41	2	5	ND	2 112	.3	2	2	166	1.01	.304	18	175	3.97	134	.29	2	2.89	.02	.51	1	
LR-90 L20+900N 20+050E	1	68	3	123	.2	91	28	998	5.87	2	5	ND	1 119	.2	2	2	152	.84	.195	7	179	2.76	73	.37	2	2.58	.03	.22	1	
LR-90 L20+900N 20+100E	1	57	9	98	.1	58	24	817	7.60	2	5	ND	1 72	.2	2	2	203	.42	.141	5	130	1.65	62	.30	2	2.62	.03	.14	1	
LR-90 L20+900N 20+150E	2	132	9	105	.3	48	28	1688	8.03	6	5	ND	1 82	.2	2	2	212	.59	.253	10	106	1.46	128	.21	2	2.56	.02	.21	1	
LR-90 L20+900N 20+200E	4	214	16	80	1.0	6	6	229	3.46	4	6	ND	1 57	.2	2	2	96	.40	.185	8	14	.41	91	.03	2	1.81	.02	.05	1	
LR-90 L20+900N 20+250E	3	443	14	124	.6	6	19	2684	7.05	9	5	ND	1 74	.3	3	2	194	.94	.210	18	9	.72	83	.07	5	1.65	.04	.08	1	
LR-90 L20+900N 20+300E	10	439	22	138	.6	7	15	2700	6.33	10	5	ND	1 50	.2	2	2	166	.59	.131	20	11	.48	125	.05	2	1.80	.03	.07	1	
LR-90 L20+900N 20+350E	13	303	16	136	.4	6	15	2198	5.85	10	5	ND	1 111	.4	2	2	163	1.08	.187	16	7	.69	92	.04	2	1.94	.04	.09	1	
LR-90 L20+800N 20+000E	1	103	7	115	.3	81	43	994	8.61	5	5	ND	2 220	.2	2	8	222	2.52	.826	31	193	2.85	232	.18	2	2.37	.03	.53	1	
LR-90 L20+800N 20+050E	1	104	9	100	.2	61	31	793	8.76	2	5	ND	1 136	.2	2	2	236	1.23	.426	19	145	1.81	102	.24	2	2.58	.02	.23	1	
LR-90 L20+800N 20+100E	8	117	14	114	.3	49	25	871	8.18	3	5	ND	1 112	.2	2	4	227	.89	.188	12	148	1.44	176	.19	2	2.35	.02	.12	1	
LR-90 L20+800N 20+150E	16	186	9	118	.2	55	29	832	6.36	6	5	ND	2 236	.3	2	2	229	1.97	.441	25	117	2.03	296	.26	2	2.27	.03	.57	1	
LR-90 L20+800N 20+200E	39	281	8	118	.3	49	35	1473	10.01	7	5	ND	1 145	.6	4	4	303	1.63	.339	27	185	1.98	197	.33	7	2.52	.02	.06	1	
LR-90 L20+800N 20+250E	8	259	10	99	.3	59	37	1095	8.84	4	5	ND	1 161	.2	3	5	235	1.58	.490	25	163	1.83	203	.25	2	2.58	.02	.26	1	
STANDARD C/AU-S	20	60	41	131	6.9	72	31	1046	3.96	40	20	6	40	52	18.6	14	17	56	.52	.094	36	57	.89	187	.09	33	1.89	.06	.13	11

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: Soil -80 Mesh AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: AUG 20 1990 DATE REPORT MAILED: Aug 25/90 SIGNED BY: C. Leong, D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAY

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm
LR-90 L20+800M 20+300E	2	182	11	87	.3	43	20	537	7.41	2	5	ND	1	160	.2	2	2	204	1.25	.291	15	158	1.18	82	.19	2	1.91	.02	.12	1
LR-90 L20+800M 20+350E	35	164	10	92	.1	24	21	832	7.67	2	5	ND	1	146	.2	3	2	236	1.24	.251	9	49	1.31	135	.26	2	2.43	.02	.07	1
LR-90 L20+800M 20+400E	23	182	14	139	.1	20	29	4932	7.34	2	5	ND	1	133	.5	5	2	200	1.01	.275	10	50	.91	256	.09	2	2.22	.01	.25	1
LR-90 L20+800M 20+450E	14	290	9	110	.1	14	22	1575	8.43	4	5	ND	3	73	.2	5	2	238	.82	.261	19	34	.96	98	.13	3	2.28	.02	.10	1
LR-90 L20+800M 20+550E	20	234	6	111	.1	8	24	2313	8.19	2	5	ND	2	125	.2	3	2	208	1.00	.222	13	12	.79	126	.07	5	2.40	.02	.10	1
LR-90 L20+600M 20+000E	2	602	15	170	.4	44	23	949	6.42	3	5	ND	1	134	.2	4	2	187	.98	.211	10	107	1.60	92	.17	5	2.39	.02	.21	1
LR-90 L20+600M 20+050E	1	36	11	105	.1	56	26	1099	7.98	2	5	ND	1	56	.3	4	4	268	3.38	.124	2	181	1.66	82	.30	2	2.05	.01	.22	1
LR-90 L20+600M 20+100E	1	14	5	105	.1	66	30	1951	8.89	2	5	ND	1	110	.4	4	2	217	.83	.212	2	272	1.34	266	.35	6	1.46	.02	.07	1
LR-90 L20+600M 20+150E	1	22	16	84	.1	52	25	1562	10.66	2	5	ND	1	68	.2	4	7	268	.40	.087	2	291	1.00	135	.53	5	1.28	.02	.04	1
LR-90 L20+600M 20+200E	1	3	8	103	.1	89	36	771	9.89	2	5	ND	1	364	.6	4	4	192	1.92	.602	21	363	1.90	527	.20	5	2.11	.03	.75	1
LR-90 L20+600M 20+250E	2	154	9	93	.1	49	22	700	5.34	2	5	ND	1	177	.3	3	2	187	1.01	.243	9	149	1.55	372	.18	2	1.97	.02	.34	1
LR-90 L20+600M 20+300E	1	21	2	99	.1	123	47	670	14.14	2	5	ND	1	347	.7	5	2	315	1.68	.533	24	476	2.07	666	.24	9	3.05	.03	.48	1
LR-90 L20+600M 20+350E	1	55	8	71	.4	62	29	641	8.17	2	5	ND	1	143	.2	3	3	234	.94	.259	13	219	1.54	264	.18	2	2.06	.02	.13	1
LR-90 L20+600M 20+400E	1	67	10	96	.2	68	30	640	7.79	2	5	ND	1	144	.5	2	2	196	1.20	.340	15	183	1.78	58	.21	2	2.49	.02	.13	1
LR-90 L20+600M 20+450E	2	118	14	72	.1	34	17	1474	7.92	2	5	ND	1	89	.3	3	3	233	.74	.101	4	155	.85	79	.25	2	1.73	.02	.07	1
LR-90 L20+600M 20+500E	1	507	9	87	.1	49	20	597	7.07	5	5	ND	1	180	.2	2	2	206	1.33	.335	17	164	1.29	75	.15	4	2.00	.03	.14	1
LR-90 L20+600M 20+550E	2	337	11	88	.1	25	14	988	5.70	2	5	ND	2	96	.2	2	2	198	.75	.148	5	104	.91	58	.24	2	1.88	.02	.10	1
LR-90 L20+600M 20+600E	1	82	7	82	.1	38	32	1748	11.46	3	5	ND	1	72	.5	4	4	343	.55	.201	7	155	.78	86	.18	8	1.67	.02	.08	1
LR-90 L20+600M 20+650E	1	39	4	90	.5	54	22	577	8.89	2	5	ND	3	62	.2	2	2	253	.41	.099	3	284	1.00	87	.46	2	1.64	.02	.08	1
LR-90 L20+600M 20+700E	2	702	13	131	.2	41	22	913	7.50	5	5	ND	2	81	.2	2	2	244	.62	.168	7	124	1.36	70	.33	3	2.41	.02	.24	1
LR-90 L20+600M 20+750E	1	196	9	66	.1	38	21	589	7.63	3	5	ND	1	126	.2	2	2	250	.78	.187	7	124	1.04	219	.26	2	1.82	.03	.14	1
LR-90 L20+400M 20+000E	13	2235	16	142	.7	59	32	1151	8.70	6	6	ND	2	319	.4	3	2	225	1.91	.516	31	162	1.69	322	.23	2	2.10	.04	.59	3
LR-90 L20+400M 20+050E	2	137	9	120	.3	38	19	752	8.42	3	5	ND	1	117	.2	3	2	276	.69	.159	4	118	1.10	82	.30	4	1.88	.03	.20	1
LR-90 L20+400M 20+100E	6	1869	14	160	.1	64	33	1005	8.04	2	5	ND	1	307	.3	2	2	211	2.00	.546	21	156	1.82	259	.21	2	2.27	.04	.24	1
LR-90 L20+400M 20+150E	2	92	5	112	.3	84	24	630	5.76	2	5	ND	2	117	.2	2	2	135	.79	.152	4	164	1.62	97	.22	2	1.99	.03	.30	1
LR-90 L20+400M 20+200E	2	216	16	105	.5	48	26	2398	8.31	2	5	ND	1	130	.6	2	2	217	.83	.139	8	170	1.12	117	.18	3	1.93	.02	.08	1
LR-90 L20+400M 20+250E	1	281	8	94	.4	60	27	1082	10.41	4	5	ND	1	150	.5	2	4	248	1.17	.222	11	241	1.04	67	.19	3	1.62	.03	.10	1
LR-90 L20+400M 20+300E	2	382	8	129	.5	34	27	2255	5.69	3	5	ND	1	118	.3	2	2	184	1.69	.152	4	94	1.46	119	.17	2	2.04	.02	.30	1
LR-90 L20+400M 20+350E	2	365	9	106	.1	80	37	1270	6.60	6	5	ND	1	181	.2	2	2	180	1.73	.288	13	166	2.70	284	.24	2	2.32	.03	.47	1
LR-90 L20+400M 20+400E	1	331	4	108	.1	72	31	1081	7.95	2	5	ND	2	255	.4	2	3	210	2.21	.516	21	159	2.58	170	.20	2	2.62	.03	1.04	1
LR-90 L20+400M 20+450E	2	5774	15	128	.9	35	23	1023	6.78	3	5	ND	4	127	.2	3	3	208	1.08	.304	18	75	1.03	122	.18	2	1.58	.03	.27	1
LR-90 L20+400M 20+500E	1	4179	15	140	.8	75	36	1126	8.49	2	5	ND	3	205	.4	2	2	201	1.68	.427	23	188	1.80	287	.17	2	2.13	.04	.68	1
LR-90 L20+400M 20+550E	2	2660	14	245	.8	40	30	1407	8.45	2	5	ND	2	162	.2	3	2	263	1.47	.425	23	84	1.51	137	.22	2	2.58	.03	.38	1
LR-90 L20+400M 20+600E	2	1312	15	118	.4	38	20	824	6.26	2	5	ND	2	98	.2	2	2	198	.95	.214	10	93	1.55	90	.26	2	2.31	.03	.41	1
LR-90 L20+400M 20+650E	2	367	7	123	.1	63	28	934	5.05	2	5	ND	1	152	.2	2	2	143	.91	.203	9	111	2.07	80	.24	2	2.38	.03	.20	1
LR-90 L20+400M 20+700E	5	1689	15	187	.1	49	32	1368	6.45	3	5	ND	1	244	.2	2	2	187	1.75	.467	21	96	1.85	202	.21	2	2.31	.03	.28	1
STANDARD C/AU-S	20	61	40	132	7.1	72	32	1046	3.93	40	22	7	39	53	18.4	15	17	58	.52	.097	39	60	.89	183	.09	34	1.89	.07	.14	11

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	Tl %	B ppm	Al %	Na %	K %	W ppm
LR-90 L20+400N 20+750E	4	486	8	108	.1	66	35	885	6.49	2	5	ND	1 224	.2	2	2	190	1.71	.480	18	121	2.10	257	.29	4	2.42	.03	.28	1	
LR-90 L20+400N 20+800E	1	60	5	104	.3	86	39	1013	7.64	2	5	ND	1 185	.2	2	2	215	1.78	.554	20	183	2.42	468	.30	2	2.37	.03	1.11	1	
LR-90 L19+200N 20+000E	1	166	10	143	.1	93	40	1354	6.76	2	5	ND	2 303	.2	2	2	133	1.90	.407	24	179	2.95	176	.23	5	2.57	.03	.85	1	
LR-90 L19+200N 20+050E	1	118	9	156	.4	115	48	1250	8.46	3	5	ND	2 215	.7	2	2	171	1.59	.379	27	216	2.71	134	.23	10	2.69	.03	.64	2	
LR-90 L19+200N 20+100E	1	159	14	117	.4	94	39	1547	7.91	2	6	ND	1 134	.2	2	2	180	1.25	.276	16	227	1.82	128	.20	10	1.85	.03	.40	1	
LR-90 L19+200N 20+150E	1	121	12	103	.5	46	19	806	6.53	4	5	ND	1 197	.2	2	2	162	1.02	.133	4	145	.96	99	.14	6	1.83	.02	.10	1	
LR-90 L19+200N 20+200E	1	170	13	152	.4	80	35	1045	7.82	6	5	ND	1 347	.2	5	2	182	1.62	.368	20	174	1.95	226	.19	9	2.18	.03	.28	1	
LR-90 L19+200N 20+250E	1	152	14	145	.6	54	31	2374	7.78	4	5	ND	1 197	.2	2	2	187	1.13	.184	4	167	1.12	215	.19	5	1.73	.02	.12	1	
LR-90 L19+200N 20+300E	1	71	12	79	.5	33	15	707	6.90	3	5	ND	1 171	.2	3	2	176	.80	.071	3	134	.75	98	.18	5	1.52	.02	.05	1	
LR-90 L19+200N 20+350E	1	10	8	95	.2	138	39	729	8.19	2	5	ND	1 167	.2	2	2	165	.87	.196	7	472	2.65	357	.44	9	2.69	.03	.32	1	
LR-90 L19+200N 20+400E	1	139	10	157	.3	59	28	1125	7.15	2	5	ND	1 118	.2	2	2	164	1.10	.150	6	135	1.79	62	.16	8	2.39	.03	.08	1	
LR-90 L19+200N 20+450E	1	46	6	186	.1	103	50	1129	7.88	4	5	ND	1 300	.2	2	2	180	2.47	.728	27	148	2.33	82	.22	8	2.17	.03	.72	1	
LR-90 L19+200N 20+500E	11	3399	25	549	1.9	16	25	3864	9.38	3	5	ND	4 42	.7	2	6	289	.41	.212	21	23	.44	143	.01	11	2.53	.01	.15	2	
LR-90 L19+200N 20+550E	2	441	32	162	.2	76	27	1474	6.78	3	5	ND	1 96	.2	2	2	182	.91	.211	11	172	2.06	137	.22	7	2.41	.02	.20	1	
LR-90 L19+200N 20+600E	4	1395	34	164	1.0	50	36	1480	8.05	5	5	ND	1 146	.3	2	3	193	1.12	.374	15	99	1.83	237	.22	8	2.53	.02	.45	1	
LR-90 L19+200N 20+650E	6	509	14	123	.2	78	38	965	8.97	2	5	ND	3 132	.2	2	2	183	1.06	.339	15	133	2.02	133	.25	6	2.26	.03	.41	1	
LR-90 L19+000N 20+000E	4	76	9	211	.3	12	20	3699	5.64	4	5	ND	1 156	.4	2	2	123	1.36	.140	14	26	.99	131	.05	4	2.50	.01	.09	2	
LR-90 L19+000N 20+050E	1	1040	16	124	.7	55	26	880	6.92	6	5	ND	1 160	.2	2	4	162	1.26	.298	17	120	1.42	102	.14	6	2.14	.02	.19	1	
LR-90 L19+000N 20+100E	1	222	15	157	.2	66	30	1335	8.94	2	5	ND	1 132	.2	2	2	189	1.33	.262	14	183	1.25	121	.17	10	2.36	.02	.14	1	
LR-90 L19+000N 20+150E	1	71	11	101	.3	100	42	979	10.32	2	5	ND	2 342	.3	4	3	174	2.31	.684	36	390	2.10	91	.18	20	1.89	.03	.37	1	
LR-90 L19+000N 20+200E	1	73	6	209	.3	21	22	1797	4.58	2	5	ND	1 548	.4	2	2	81	2.55	.186	13	37	1.89	230	.07	2	4.22	.02	.11	1	
LR-90 L19+000N 20+250E	1	149	9	153	.2	109	46	1339	9.59	2	5	ND	1 267	.2	2	2	181	1.67	.385	19	249	2.57	116	.21	11	2.41	.03	.68	1	
LR-90 L19+000N 20+300E	1	77	10	134	.1	94	43	1358	8.35	2	5	ND	1 243	.2	2	2	161	1.62	.336	20	186	2.13	117	.20	7	2.17	.03	.44	1	
LR-90 L19+000N 20+350E	1	664	16	179	.1	66	37	1514	8.45	4	5	ND	1 216	.2	2	2	221	1.70	.286	16	182	1.69	110	.10	7	2.47	.02	.19	1	
LR-90 L19+000N 20+400E	1	43	5	106	.2	54	34	1113	11.67	2	5	ND	1 180	.2	2	2	323	1.67	.429	17	107	1.07	43	.11	13	1.81	.01	.10	1	
LR-90 L19+000N 20+450E	1	24	8	144	.1	70	55	2056	10.18	2	5	ND	1 282	.5	4	2	236	2.92	1.075	49	56	1.80	121	.11	10	2.07	.03	.58	1	
LR-90 L19+000N 20+500E	1	9	8	179	.2	118	53	1034	10.77	2	5	ND	1 253	.2	4	2	210	2.26	.747	27	167	1.84	97	.19	12	2.05	.04	.46	1	
LR-90 L19+000N 20+550E	1	511	16	237	.1	72	38	1421	5.59	2	5	ND	2 368	.2	2	2	136	2.25	.602	30	72	2.21	126	.25	6	2.64	.04	.57	1	
LR-90 L19+000N 20+650E	1	530	13	245	.2	71	37	1587	8.02	5	5	ND	3 301	.4	2	2	192	2.22	.570	28	98	1.79	110	.22	8	2.44	.03	.53	1	
LR-90 L19+000N 20+700E	1	273	9	227	.1	89	44	1728	8.20	2	5	ND	1 244	.4	2	2	186	2.01	.500	27	127	2.46	141	.24	7	2.59	.03	.67	1	
LR-90 L18+900N 20+000E	1	373	6	133	1.7	103	40	775	9.53	5	5	ND	3 164	.2	2	2	186	2.01	.424	24	178	1.75	52	.24	15	1.83	.03	.07	1	
LR-90 L18+900N 20+050E	2	1254	7	316	.6	88	32	1975	7.75	2	5	ND	1 73	.2	2	2	207	1.23	.152	4	189	2.83	282	.21	10	3.46	.08	.57	1	
LR-90 L18+900N 20+100E	1	383	9	195	.4	97	34	1426	7.61	2	5	ND	1 135	.2	2	2	179	1.60	.264	12	222	2.06	117	.22	7	2.48	.02	.32	1	
LR-90 L18+900N 20+150E	1	90	12	147	.3	78	36	1141	9.70	2	5	ND	1 148	.2	5	3	226	1.48	.186	8	217	1.64	164	.25	13	2.00	.02	.21	1	
LR-90 L18+900N 20+200E	1	510	11	141	.1	57	24	1000	7.05	5	5	ND	1 121	.2	2	2	187	1.11	.174	10	152	1.58	85	.22	8	2.48	.03	.18	1	
LR-90 L18+900N 20+250E	1	127	11	126	.2	94	40	1055	9.25	2	5	ND	1 239	.2	2	3	189	1.74	.278	12	281	1.97	142	.24	15	2.57	.02	.36	1	
STANDARD C/AU-S	20	59	40	130	6.9	72	31	1044	3.95	40	17	6	38	52	18.9	15	22	55	.51	.093	36	57	.91	183	.09	35	1.88	.06	.14	11

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 %	M ppm
LR-90 L18+900N 20+300E	3	179	7	117	.1	85	35	1163	6.29	4	5	ND	1	94	.8	2	5	142	.94	.116	14	236	2.85	66	.19	3	2.45	.02	.12	2
LR-90 L18+900N 20+350E	1	80	5	118	.3	82	41	971	7.64	12	5	ND	3	243	.6	2	8	163	1.58	.549	29	144	2.91	77	.18	2	2.21	.03	.48	1
LR-90 L18+900N 20+400E	3	176	8	104	.1	84	38	831	7.50	10	6	ND	1	194	.8	2	7	177	1.58	.342	22	215	2.51	82	.17	3	1.99	.02	.24	1
LR-90 L18+900N 20+450E	10	182	7	100	.1	23	21	1866	5.59	4	5	ND	1	50	.2	2	2	96	.37	.153	10	59	.45	109	.02	3	1.75	.01	.13	1
LR-90 L18+900N 20+500E	3	139	13	118	.2	55	34	2070	9.20	12	8	ND	1	75	.5	2	2	236	.70	.201	15	182	1.52	103	.12	2	2.10	.01	.09	1
LR-90 L18+900N 20+550E	3	161	7	124	.1	81	44	995	10.21	6	5	ND	2	154	.6	2	2	278	2.19	.679	32	137	2.32	87	.15	7	2.15	.02	.50	2
LR-90 L18+900N 20+600E	2	36	7	149	.1	66	46	1004	9.80	6	5	ND	2	286	1.1	2	2	220	1.97	.705	34	71	2.16	49	.13	6	2.26	.02	.21	2
LR-90 L18+900N 20+650E	3	483	21	192	.1	51	31	2033	6.85	7	5	ND	2	146	.2	2	2	181	.95	.227	18	86	2.25	110	.15	2	2.61	.02	.32	1
LR-90 L18+900N 20+700E	2	573	18	156	.6	28	24	2357	4.83	3	5	ND	1	173	.2	2	4	140	.85	.179	9	65	.89	141	.04	2	1.81	.02	.09	1
LR-90 L18+900N 20+750E	3	969	15	211	.5	17	15	1963	4.72	7	5	ND	1	190	.4	2	5	144	1.08	.149	11	38	.78	130	.04	2	2.14	.03	.07	1
LR-90 L18+900N 20+800E	3	571	15	269	.4	20	18	2603	4.71	7	5	ND	1	225	1.0	2	4	135	1.53	.138	13	37	.88	111	.06	3	2.45	.03	.07	1
LR-90 L18+900N 20+850E	4	1095	16	333	.3	48	29	2494	6.00	18	5	ND	2	300	.4	2	8	175	1.62	.234	31	84	1.95	119	.11	5	3.03	.02	.23	2
LR-90 L18+800N 20+000E	2	59	2	134	.1	110	44	941	8.91	12	5	ND	2	168	.4	2	3	159	1.40	.380	25	397	2.81	88	.20	2	2.15	.02	.28	1
LR-90 L18+800N 20+050E	3	1668	27	324	.6	42	25	2302	6.36	22	5	ND	1	128	1.4	5	2	169	1.36	.127	14	86	3.09	56	.17	3	4.20	.02	.08	1
LR-90 L18+800N 20+100E	2	522	15	219	.3	98	29	1658	6.36	15	5	ND	1	71	.8	4	2	200	.59	.106	6	220	3.14	113	.29	5	3.50	.02	.59	1
LR-90 L18+800N 20+150E	2	64	15	128	.2	100	41	879	9.99	10	5	ND	2	104	1.2	2	2	185	1.36	.378	26	287	2.40	66	.17	8	2.05	.02	.18	1
LR-90 L18+800N 20+200E	1	16	9	129	.2	121	47	838	9.63	20	6	ND	5	197	1.0	2	2	188	2.45	.739	43	379	3.14	119	.15	9	2.31	.04	.74	3
LR-90 L18+800N 20+250E	2	142	14	244	.1	46	32	1472	8.17	13	5	ND	1	93	.3	2	9	224	1.12	.223	13	122	1.74	132	.14	5	2.10	.03	.30	1
LR-90 L18+800N 20+300E	2	305	14	185	.1	59	36	1689	6.85	7	5	ND	2	336	.2	2	5	189	1.15	.250	27	159	2.85	97	.16	8	2.81	.02	.14	1
LR-90 L18+800N 20+350E	2	84	7	112	.1	90	39	1000	8.26	9	5	ND	1	239	.2	2	4	160	1.43	.472	27	321	2.23	123	.06	10	2.20	.02	.23	1
LR-90 L18+800N 20+400E	2	319	8	144	.2	97	46	1264	8.70	11	5	ND	3	208	.7	2	2	177	1.72	.380	24	204	3.21	128	.18	6	2.49	.02	.50	1
LR-90 L18+800N 20+450E	1	189	2	144	.3	101	43	1283	7.37	12	5	ND	3	245	.7	2	2	157	1.65	.364	22	193	3.17	171	.19	12	2.63	.03	.56	1
LR-90 L18+800N 20+500E	8	747	6	163	.1	67	38	1204	9.29	14	5	ND	2	145	.7	2	2	226	1.57	.499	28	129	2.50	62	.13	6	2.57	.01	.09	1
LR-90 L18+800N 20+550E	2	62	9	203	.1	90	55	1363	13.03	16	5	ND	4	96	1.1	2	2	291	1.68	.548	36	211	2.55	53	.19	6	2.34	.03	.83	1
LR-90 L18+800N 20+600E	1	114	2	144	.2	76	44	876	11.40	16	5	ND	4	46	.8	2	2	254	1.59	.480	27	177	1.68	41	.18	9	1.31	.03	.47	1
LR-90 L18+800N 20+650E	3	967	11	159	.5	75	30	1336	6.40	9	5	ND	3	146	1.3	2	2	159	1.24	.239	20	140	2.05	113	.15	4	2.48	.02	.24	1
LR-90 L18+800N 20+700E	2	76	8	107	.1	78	41	606	10.75	10	8	ND	5	65	1.1	2	2	239	1.57	.484	28	156	1.67	35	.24	3	1.50	.03	.46	2
LR-90 L18+800N 20+750E	3	326	6	148	.3	84	40	1249	8.80	23	5	ND	5	144	.4	2	2	218	1.46	.394	31	172	2.39	115	.20	2	2.41	.02	.48	1
LR-90 L18+800N 20+800E	3	300	7	134	.2	94	39	1080	8.65	22	5	ND	9	160	.7	2	10	209	1.55	.439	33	187	2.55	111	.24	5	2.31	.02	.53	2
LR-90 L18+800N 20+850E	1	155	5	147	.1	94	42	1626	8.76	16	5	ND	3	133	.8	3	2	205	1.46	.395	24	210	2.87	124	.20	7	2.51	.02	.55	1
LR-90 L18+800N 20+900E	1	460	12	109	.1	96	34	1234	6.98	8	5	ND	3	96	.2	2	4	164	1.12	.286	21	187	3.09	102	.24	4	2.64	.02	.81	1
LR-90 L18+800N 20+950E	1	112	2	117	.1	87	44	1074	9.10	16	5	ND	4	167	1.1	2	4	208	2.04	.618	35	187	2.32	107	.19	5	2.22	.02	.51	1
LR-90 L18+600E 20+600N	2	264	23	137	.4	36	22	1169	6.21	12	5	ND	3	333	.4	2	6	138	1.14	.322	26	59	1.87	192	.12	2	2.85	.02	.30	1
LR-90 L18+600E 20+550N	1	90	11	101	.3	38	18	792	5.40	9	5	ND	1	139	.2	2	2	115	.58	.129	11	75	1.39	98	.10	3	2.30	.03	.15	1
LR-90 L18+600E 20+500N	2	40	13	54	.5	11	7	374	2.96	2	5	ND	1	60	.2	2	2	76	.25	.070	9	29	.41	60	.06	2	1.21	.01	.11	1
LR-90 L18+600E 20+450N	10	29	11	69	.1	10	13	1391	3.72	2	5	ND	1	150	.2	2	2	74	.39	.082	7	31	.24	175	.05	6	.77	.02	.19	1
STANDARD C/AU-S	19	58	40	131	7.0	72	32	1050	3.95	40	21	7	39	53	18.3	15	19	56	.51	.094	39	56	.89	182	.08	37	1.88	.06	.14	11

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Tl	B	Al	Na	K	W	A
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	p
LR-90 L18+600E 20+400N	16	103	13	96	.1	16	21	4268	5.11	6	5	ND	1	67	.4	3	2	128	.34	.138	9	46	.57	277	.07	2	1.45	.02	.16	1	
LR-90 L18+600E 20+350N	4	80	9	111	.1	39	23	1005	7.74	11	5	ND	1	164	.5	3	2	207	.96	.225	13	144	1.18	173	.19	3	1.71	.03	.13	1	
LR-90 L18+600E 20+300N	5	140	14	132	.1	33	24	983	6.62	6	5	ND	1	234	.9	4	3	161	1.38	.276	13	75	.98	378	.11	2	1.53	.02	.24	1	
LR-90 L18+600E 20+250N	3	64	11	87	.1	23	15	817	5.94	6	5	ND	1	119	.2	3	2	168	.68	.143	8	66	.79	120	.11	2	1.44	.03	.11	1	
LR-90 L18+600E 20+200N	1	55	11	83	.4	32	16	599	7.22	7	5	ND	1	77	.4	4	2	200	.54	.146	7	103	.89	83	.21	2	1.57	.02	.08	1	
LR-90 L18+600E 20+150N	3	77	6	73	.4	26	14	483	6.38	6	5	ND	1	80	.6	3	2	170	.50	.108	6	77	.78	118	.13	2	1.48	.03	.11	1	
LR-90 L18+600E 20+100N	12	125	15	123	.1	28	25	3086	6.41	7	5	ND	1	199	.9	4	2	170	1.00	.237	11	76	.93	392	.11	2	1.72	.02	.15	1	
LR-90 L18+600E 20+050N	7	78	16	103	.1	22	20	4291	6.34	7	5	ND	1	96	.5	5	2	178	.59	.187	9	70	.67	363	.15	2	1.43	.03	.11	1	
LR-90 L18+600E 20+000N	3	62	12	52	.3	23	13	986	6.69	4	5	ND	1	67	.2	2	2	173	.47	.082	5	113	.36	104	.16	2	.83	.02	.09	1	
LR-90 L18+600E 19+950N	1	61	15	62	.1	24	13	629	6.96	10	5	ND	1	62	.2	4	3	198	.43	.081	3	99	.63	58	.19	2	1.15	.03	.09	1	
LR-90 L18+600E 19+900N	2	42	10	44	.1	14	8	466	3.28	3	5	ND	1	58	.2	2	2	105	.42	.060	5	41	.52	83	.15	2	1.10	.02	.09	2	
LR-90 L18+600E 19+850N	2	46	16	39	.4	14	10	636	4.70	2	5	ND	1	67	.2	2	2	151	.43	.081	6	54	.37	98	.19	2	1.10	.02	.10	1	
LR-90 L18+600E 19+750N	3	32	8	36	.1	17	10	564	6.16	3	5	ND	1	70	.2	2	2	193	.47	.032	3	90	.21	102	.22	2	.62	.02	.10	1	
LR-90 L18+600E 19+700N	1	286	4	98	.1	112	34	831	7.43	5	5	ND	2	183	.7	4	2	140	1.10	.203	14	324	2.05	197	.16	2	2.08	.03	.19	1	
LR-90 L18+600E 19+650N	12	101	9	119	.3	32	15	1758	7.24	6	5	ND	1	150	.7	5	2	226	.93	.147	7	135	.80	381	.11	2	1.35	.02	.08	1	
LR-90 L18+600E 19+600N	2	51	4	49	.3	27	13	440	7.17	3	5	ND	1	115	.2	2	2	202	.49	.039	4	137	.33	109	.21	2	.69	.03	.07	1	
LR-90 L18+600E 19+550N	1	18	5	50	.2	56	24	478	13.36	8	5	ND	3	52	.5	4	5	353	.34	.036	2	246	.14	53	.31	3	.36	.02	.04	1	
LR-90 L18+600E 19+500N	2	24	3	33	.1	33	16	373	9.12	4	5	ND	1	75	.2	3	4	247	.60	.027	2	169	.07	82	.25	2	.36	.02	.04	1	
LR-90 L18+600E 19+450N	1	287	5	74	.2	43	22	585	8.70	9	5	ND	3	92	.6	5	3	240	.89	.237	11	135	.84	78	.13	3	1.32	.02	.08	1	
LR-90 L18+600E 19+400N	1	281	10	101	.2	49	23	737	7.65	9	5	ND	3	106	.6	3	3	199	1.07	.317	15	128	1.06	82	.15	2	1.91	.02	.09	1	
LR-90 L19+000E 21+000N	2	35	4	102	.1	40	19	1676	4.43	2	5	ND	1	90	.2	2	2	127	.44	.106	4	73	1.25	93	.12	2	1.99	.02	.19	1	
LR-90 L19+000E 20+950N	1	80	3	115	.1	61	21	802	5.21	4	5	ND	2	193	.3	2	2	139	.89	.200	10	106	1.67	118	.20	2	2.49	.02	.19	1	
LR-90 L19+000E 20+900N	1	79	5	125	.1	61	24	1941	5.22	3	5	ND	1	157	.3	3	2	150	.99	.159	9	109	1.69	204	.20	2	2.36	.02	.37	1	
LR-90 L19+000E 20+850N	4	126	9	103	.1	29	16	1014	4.83	4	5	ND	1	379	.3	4	2	136	.60	.143	8	53	1.34	143	.15	2	2.61	.02	.21	1	
LR-90 L19+000E 20+800N	4	107	11	106	.1	37	18	1210	5.53	6	5	ND	1	231	.3	4	2	156	.66	.136	8	69	1.45	134	.20	2	2.48	.02	.24	1	
LR-90 L19+000E 20+750N	1	100	2	130	.2	75	24	1134	5.68	4	5	ND	2	432	.6	3	2	142	.78	.182	13	132	2.03	163	.18	2	2.94	.02	.33	1	
LR-90 L19+000E 20+700N	1	276	2	170	.2	44	38	1557	6.29	7	5	ND	2	247	.4	4	2	181	2.15	.634	34	72	1.94	212	.14	2	2.25	.03	.65	1	
LR-90 L19+000E 20+650N	2	145	9	111	.1	31	21	1409	6.55	2	5	ND	2	193	.2	2	2	188	.70	.175	10	84	1.01	122	.17	2	2.09	.02	.15	1	
LR-90 L19+000E 20+600N	1	361	11	137	.1	44	29	1423	5.70	4	5	ND	1	253	.2	2	2	149	1.40	.306	21	90	1.69	128	.13	2	2.69	.02	.30	1	
LR-90 L19+000E 20+550N	1	563	10	122	.1	51	33	1331	6.50	6	5	ND	3	196	.4	2	2	165	1.85	.632	33	147	1.91	144	.19	2	2.56	.03	.70	1	
LR-90 L19+000E 20+500N	2	273	13	124	.1	32	23	989	5.92	4	5	ND	2	253	.4	4	2	154	.97	.259	17	55	1.28	89	.11	2	2.31	.02	.17	1	
LR-90 L19+000E 20+450N	1	134	10	120	.1	21	18	929	5.67	5	5	ND	1	219	.2	2	2	150	1.10	.245	16	39	1.03	84	.09	2	2.14	.03	.09	1	
LR-90 L19+000E 20+400N	1	85	15	164	.2	24	27	1489	6.34	8	5	2	1	352	.7	4	2	165	1.21	.267	17	42	1.57	86	.10	2	2.65	.03	.11	1	
LR-90 L19+000E 20+350N	1	118	11	165	.1	18	27	1582	5.69	7	5	ND	1	349	.4	3	2	156	1.68	.303	19	25	1.68	81	.10	2	2.94	.03	.09	1	
LR-90 L19+000E 20+300N	1	45	11	153	.1	28	21	1910	5.60	13	5	ND	1	370	.4	3	2	148	.76	.162	13	50	1.31	113	.10	2	2.89	.02	.08	1	
LR-90 L19+000E 20+250N	2	65	10	123	.2	35	21	1016	6.51	19	5	ND	2	202	.3	4	2	151	1.03	.242	16	73	1.27	73	.13	2	2.73	.03	.07	1	
STANDARD C/AU-S	20	63	39	130	7.1	73	31	1044	3.95	39	19	7	41	53	18.9	15	23	60	.51	.095	40	58	.89	188	.09	33	1.88	.07	.13	11	4

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
LR-90 L19+000E 20+200N	1	57	4	138	.1	35	20	913	7.11	9	5	ND	1	129	.6	4	2	132	1.12	.346	19	69	1.74	53	.14	2	2.47	.03	.10	5
LR-90 L19+000E 20+150N	1	30	7	96	.1	25	17	2836	5.42	6	5	ND	1	82	.7	2	2	124	.45	.129	9	65	.78	137	.12	3	1.89	.02	.09	2
LR-90 L19+000E 20+100N	1	120	18	127	.1	50	28	1054	8.07	4	5	ND	1	155	.4	4	5	161	1.27	.428	17	106	1.96	80	.15	3	2.38	.02	.10	2
LR-90 L19+000E 20+050N	1	70	8	120	.1	62	27	625	7.80	2	5	ND	1	114	.2	5	2	155	1.05	.407	17	132	2.02	59	.17	2	2.63	.02	.09	1
LR-90 L19+000E 20+000N	1	83	19	90	.1	29	22	2972	7.53	2	5	ND	1	65	.5	2	2	163	.55	.166	6	97	.95	105	.15	3	1.85	.02	.09	1
LR-90 L19+000E 19+950N	1	108	13	103	.2	38	23	1140	8.48	2	5	ND	1	109	.5	3	2	180	1.01	.294	13	104	1.23	97	.14	4	2.09	.02	.11	1
LR-90 L19+000E 19+900N	11	65	12	73	.2	22	13	842	6.37	2	5	ND	1	68	.2	2	2	134	.50	.112	7	74	.68	86	.09	3	1.61	.01	.10	3
LR-90 L19+000E 19+850N	44	139	14	98	.5	28	22	805	7.20	2	5	ND	1	92	.6	2	3	161	.82	.134	13	96	.82	104	.10	2	1.76	.02	.09	1
LR-90 L19+000E 19+800N	53	584	25	113	.6	60	27	1251	7.33	2	5	ND	1	239	.8	5	2	178	2.03	.406	33	183	2.11	163	.08	3	2.11	.02	.06	2
LR-90 L19+000E 19+750N	8	46	2	80	.1	64	35	796	6.05	2	5	ND	1	188	1.2	7	2	124	1.44	.302	21	148	3.29	105	.10	2	2.06	.01	.22	1
LR-90 L19+000E 19+700N	3	185	13	102	.1	49	24	660	8.96	5	5	ND	1	121	1.4	7	6	194	1.02	.219	9	139	1.29	81	.16	2	1.52	.02	.11	1
LR-90 L19+000E 19+650N	5	472	28	167	.1	64	38	1199	7.28	4	5	ND	1	189	1.2	8	2	156	1.59	.407	19	117	2.46	290	.14	2	2.27	.02	.53	1
LR-90 L19+000E 19+600N	1	1141	23	130	.3	41	24	930	8.44	5	5	ND	1	99	.7	4	3	198	1.14	.383	16	87	1.45	62	.13	2	2.14	.02	.09	2
LR-90 L19+000E 19+550N	1	199	10	78	.5	30	19	1045	7.61	2	5	ND	1	77	1.0	2	4	210	.66	.130	7	101	.54	105	.15	2	1.22	.02	.12	1
LR-90 L19+000E 19+500N	1	44	10	124	.2	46	22	638	6.35	3	5	ND	1	101	1.4	5	2	157	1.07	.234	11	93	1.55	49	.16	2	1.76	.02	.04	1
LR-90 L19+000E 19+450N	2	568	12	114	.3	32	21	672	7.83	2	5	ND	1	93	.8	3	2	216	.72	.090	8	101	.76	103	.14	5	1.24	.02	.07	1
LR-90 L19+000E 19+400N	1	194	10	50	.6	16	11	377	7.18	2	5	ND	1	60	.2	2	2	212	.47	.109	4	74	.31	35	.14	2	.97	.02	.06	1
LR-90 L19+000E 19+350N	4	299	10	95	.1	58	24	576	8.16	2	5	ND	1	247	.8	5	2	165	1.81	.452	23	155	1.40	61	.12	3	1.35	.03	.07	4
LR-90 L19+000E 19+300N	13	353	2	156	.2	51	26	746	8.61	2	5	ND	1	183	.4	5	3	268	1.52	.288	13	153	1.30	141	.18	2	1.72	.03	.07	1
LR-90 L19+000E 19+250N	1	49	4	87	.1	52	22	626	11.42	2	5	ND	1	89	.2	5	2	256	.73	.061	4	176	.76	51	.19	2	.98	.03	.10	1
LR-90 L19+000E 19+200N	1	675	12	91	.2	52	23	702	9.12	2	5	ND	1	113	.2	7	2	188	1.30	.350	17	167	1.14	88	.13	4	1.67	.02	.20	1
LR-90 L19+000E 19+150N	18	1371	3	192	.3	51	30	1170	11.11	9	5	ND	1	193	.2	6	2	328	1.00	.186	13	193	1.52	183	.12	5	2.73	.02	.21	1
LR-90 L19+000E 19+100N	1	125	2	59	.2	34	18	565	10.89	2	5	ND	1	62	.2	4	2	250	.56	.134	5	125	.44	45	.12	3	1.05	.02	.06	1
LR-90 L19+000E 19+050N	1	565	6	121	.5	36	21	827	8.97	4	5	ND	1	80	.4	2	4	218	.77	.235	8	110	1.05	61	.19	3	2.08	.03	.13	2
LR-90 L19+000E 19+000N	1	78	9	61	.2	31	17	478	8.91	2	7	ND	1	53	1.0	3	2	246	.44	.074	4	132	.37	64	.27	2	1.18	.02	.07	1
LR-90 L19+100E 21+000N	3	319	8	122	.2	45	38	893	11.93	6	5	ND	1	622	1.2	12	2	276	4.14	1.352	45	101	2.66	116	.11	2	2.19	.03	.36	1
LR-90 L19+100E 20+950N	4	211	2	111	.1	45	28	2433	7.98	2	5	ND	1	295	.5	6	2	209	1.42	.363	19	113	1.45	170	.08	2	2.38	.02	.19	2
LR-90 L19+100E 20+900N	1	151	11	108	.1	56	23	1093	5.74	5	5	ND	1	171	.7	7	2	134	1.09	.270	16	109	1.91	77	.15	3	2.63	.02	.34	1
LR-90 L19+100E 20+850N	1	182	8	110	.1	59	23	1060	6.32	2	5	ND	1	190	1.0	7	2	139	1.22	.307	18	117	2.03	85	.16	2	2.85	.02	.40	1
LR-90 L19+100E 20+800N	1	159	14	138	.6	35	29	1133	9.86	2	5	ND	1	202	.2	7	2	222	1.45	.451	20	74	1.48	85	.11	8	2.73	.03	.13	1
LR-90 L19+100E 20+750N	1	76	6	118	.1	42	26	1255	8.02	2	5	ND	1	121	.7	8	2	175	.82	.212	10	97	1.55	76	.16	2	2.47	.02	.18	1
LR-90 L19+100E 20+700N	1	209	3	149	.1	52	33	2307	7.27	6	5	ND	1	358	.9	8	2	159	1.32	.310	14	115	2.31	120	.13	2	2.55	.03	.16	1
LR-90 L19+100E 20+650N	1	229	8	144	.2	54	32	1981	7.12	5	5	ND	1	364	.9	8	2	155	1.39	.338	16	115	2.36	105	.13	2	2.66	.03	.17	1
LR-90 L19+100E 20+600N	1	173	16	149	.1	53	37	1432	9.67	4	5	ND	1	218	.2	10	2	194	1.57	.430	22	120	2.19	99	.13	2	2.32	.03	.34	1
LR-90 L19+100E 20+550N	1	263	10	105	.1	24	24	1088	7.53	7	5	ND	1	230	.2	5	4	169	1.25	.299	18	54	1.34	100	.14	2	1.93	.05	.27	1
LR-90 L19+100E 20+500N	1	165	8	92	.1	26	22	719	7.43	4	5	ND	1	202	.9	2	2	174	1.17	.335	18	47	1.02	68	.10	2	2.03	.02	.10	1
STANDARD C/AU-S	19	62	40	131	7.3	73	31	1055	3.97	41	19	7	37	53	18.4	15	19	55	.52	.098	37	59	.88	180	.08	37	1.89	.06	.14	11

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
LR-90 L19+100E 20+450N	1	101	18	88	.1	19	18	1020	6.93	2	6	ND	1 278	.2	2	2	198	.74	.157	9	39	.86	71	.13	2	2.03	.03	.09	1	
LR-90 L19+100E 20+400N	1	117	9	119	.1	22	21	903	7.55	2	5	ND	1 224	.3	2	2	206	1.17	.223	15	41	1.06	63	.18	2	2.41	.04	.10	1	
LR-90 L19+100E 20+350N	1	106	5	104	.1	21	21	848	7.75	6	5	ND	1 192	.2	2	2	211	1.10	.235	15	38	.96	54	.17	2	2.03	.04	.10	1	
LR-90 L19+100E 20+300N	1	120	11	107	.3	27	18	815	6.83	25	5	ND	1 277	.2	2	2	171	1.20	.280	18	64	1.12	76	.14	2	2.58	.04	.09	1	
LR-90 L19+100E 20+250N	1	114	14	107	.3	28	19	845	7.36	24	5	ND	1 290	.2	2	2	171	1.28	.274	17	70	1.13	75	.14	2	2.55	.04	.10	1	
LR-90 L19+100E 20+200N	1	25	9	79	.2	19	14	1151	6.04	12	7	ND	1 211	.2	2	2	149	.64	.079	6	53	.69	104	.16	2	1.67	.04	.09	1	
LR-90 L19+100E 20+150N	1	17	9	68	.1	21	14	832	6.80	7	6	ND	1 153	.2	2	3	164	.51	.059	3	60	.59	68	.18	2	1.38	.03	.09	1	
LR-90 L19+100E 20+100N	1	41	4	92	.1	49	22	767	6.93	3	5	ND	1 128	.2	2	2	173	.76	.177	9	97	1.22	90	.22	2	1.92	.03	.19	1	
LR-90 L19+100E 20+050N	1	70	10	81	.4	28	16	1139	6.66	3	5	ND	1 170	.2	4	2	167	.67	.165	9	83	.90	103	.21	2	1.76	.02	.11	1	
LR-90 L19+100E 20+000N	1	55	13	94	.2	41	21	599	7.53	2	5	ND	1 101	.2	2	2	176	.87	.161	8	112	1.11	76	.19	2	1.82	.03	.13	1	
LR-90 L19+100E 19+950N	3	105	17	77	.1	29	19	686	6.93	3	5	ND	1 133	.2	2	2	161	.95	.196	8	95	.77	93	.08	2	1.28	.02	.22	1	
LR-90 L19+100E 19+900N	2	110	15	91	.3	38	19	587	7.12	6	5	ND	1 108	.2	2	2	172	.78	.202	10	86	1.04	85	.18	2	1.79	.03	.13	1	
LR-90 L19+100E 19+850N	3	659	13	96	.1	40	23	806	7.26	6	5	ND	1 167	.2	2	3	199	1.09	.191	14	103	1.17	103	.17	2	1.78	.02	.26	1	
LR-90 L19+100E 19+800N	3	572	7	88	.2	40	23	938	7.12	3	6	ND	1 180	.2	3	2	192	1.15	.197	12	108	1.08	105	.15	2	1.66	.02	.23	1	
LR-90 L19+100E 19+750N	1	496	10	84	.9	30	17	626	7.57	3	5	ND	1 76	.2	2	3	217	.69	.149	6	95	.75	41	.19	2	1.50	.02	.06	1	
LR-90 L19+100E 19+700N	1	469	6	76	1.0	29	15	609	7.09	3	7	ND	1 70	.2	2	2	199	.63	.124	6	87	.69	40	.18	2	1.48	.02	.06	1	
LR-90 L19+100E 19+650N	1	935	11	77	1.0	30	16	565	6.78	6	5	ND	1 81	.2	3	2	200	.84	.235	11	82	.77	37	.14	2	1.49	.02	.06	1	
LR-90 L19+100E 19+600N	1	1025	11	90	.7	29	16	552	6.72	4	5	ND	2 78	.2	2	2	197	.88	.323	16	70	.88	50	.17	2	1.80	.02	.07	1	
LR-90 L19+100E 19+550N	1	1210	13	92	.6	29	16	591	7.20	4	5	ND	1 89	.2	2	2	214	.98	.320	15	70	.87	55	.18	2	1.80	.02	.09	1	
LR-90 L19+100E 19+500N	1	640	8	78	.5	35	16	522	7.01	6	5	ND	1 84	.2	2	2	205	.95	.281	13	94	.92	44	.17	2	2.03	.03	.09	1	
LR-90 L19+100E 19+450N	1	525	5	79	.3	33	19	564	7.59	3	5	ND	1 106	.2	2	2	221	1.06	.312	11	87	1.00	57	.19	2	2.01	.02	.09	1	
LR-90 L19+100E 19+400N	1	334	13	64	.2	24	14	483	7.63	5	5	ND	1 83	.2	2	2	233	.91	.257	12	81	.67	39	.08	2	1.34	.02	.07	1	
LR-90 L19+100E 19+350N	1	578	14	82	.3	28	17	644	7.71	3	5	ND	1 102	.3	2	2	228	1.15	.308	16	87	.95	36	.11	2	1.79	.02	.07	1	
LR-90 L19+100E 19+250N	1	133	7	55	.4	22	14	661	6.55	2	5	ND	1 70	.2	2	2	193	.67	.117	5	86	.51	38	.17	2	1.27	.03	.06	1	
LR-90 L19+100E 19+200N	1	99	8	48	.3	18	11	540	5.89	2	5	ND	1 65	.2	2	2	185	.63	.103	4	71	.45	37	.15	2	1.04	.03	.06	2	
LR-90 L19+100E 19+150N	1	196	8	90	.2	35	16	547	7.39	5	5	ND	1 84	.4	2	3	199	.83	.185	9	113	.84	60	.18	2	1.82	.03	.09	1	
LR-90 L19+100E 19+100N	1	385	10	105	.1	47	19	620	7.03	6	5	ND	2 93	.2	2	2	175	1.04	.255	15	130	1.07	62	.20	2	1.99	.03	.10	1	
LR-90 L19+100E 19+050N	1	561	9	126	.1	52	21	713	7.34	4	5	ND	4 107	.4	2	2	172	1.20	.319	17	145	1.19	72	.20	2	2.39	.02	.09	1	
LR-90 L19+100E 19+000N	1	861	15	100	.6	30	17	617	6.24	5	5	ND	1 105	.3	2	2	178	1.23	.324	17	74	1.00	56	.15	2	2.12	.02	.11	1	
LR-90 L19+400E 22+000N	1	90	9	135	.3	40	23	948	9.63	4	5	ND	1 156	.2	2	4	282	.82	.208	11	143	1.17	97	.23	4	1.92	.03	.17	1	
LR-90 L19+400E 21+150N	12	586	67	161	.3	30	29	1705	7.69	4	5	ND	1 301	.3	2	2	194	1.46	.222	12	94	1.30	165	.14	2	2.08	.03	.29	1	
LR-90 L19+400E 21+100N	10	229	19	139	.4	34	21	921	6.58	4	5	ND	1 272	.6	2	2	170	1.34	.224	16	99	1.19	105	.14	2	1.76	.02	.14	1	
LR-90 L19+400E 21+050N	1	297	7	184	.4	71	32	1715	5.97	2	5	ND	1 284	.2	2	2	144	1.98	.264	21	105	2.57	97	.20	2	2.51	.02	.63	1	
LR-90 L19+400E 21+000N	2	318	14	114	.4	65	26	1320	7.79	2	5	ND	1 264	.4	2	2	207	1.16	.173	15	162	1.59	100	.23	2	1.86	.03	.51	1	
LR-90 L19+400E 20+950N	9	692	12	124	.1	44	24	1222	6.11	4	7	ND	1 247	.2	2	2	177	1.34	.198	23	117	1.34	125	.16	2	1.91	.03	.26	1	
LR-90 L19+400E 20+900N	2	236	10	78	.4	36	17	616	7.22	4	5	ND	1 228	.2	2	2	212	.92	.076	10	135	.82	113	.23	2	1.13	.03	.17	1	
STANDARD C/AU-S	20	58	40	131	7.0	73	31	1045	3.95	40	24	7	40	52	18.6	15	20	56	.51	.093	39	57	.89	183	.09	32	1.89	.06	.13	11

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Tl	B	Al	Na	K	M
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm
LR-90 L19+400E 20+850N	2	427	9	185	.7	41	23	1164	7.12	2	5	ND	2	282	.3	2	2	197	1.84	.334	22	127	1.55	125	.15	3	1.68	.02	.40	1
LR-90 L19+400E 20+800N	1	601	10	118	.7	51	27	979	7.74	12	5	ND	2	212	.3	2	2	212	2.13	.459	25	155	1.58	106	.19	4	1.56	.02	.43	1
LR-90 L19+400E 20+750N	2	245	9	101	.4	44	24	790	6.09	8	5	ND	1	168	.2	2	2	171	1.77	.277	13	120	1.53	135	.21	2	1.56	.02	.15	1
LR-90 L19+400E 20+650N	1	992	10	136	.9	68	36	1145	8.36	8	5	ND	4	180	.5	2	2	218	2.12	.513	25	160	2.16	138	.24	2	1.82	.02	.69	1
LR-90 L19+400E 20+600N	12	439	10	121	.5	47	28	853	6.83	2	5	ND	3	280	.3	2	2	235	2.05	.452	28	126	1.83	118	.24	2	2.07	.02	.42	1
LR-90 L19+400E 20+550N	13	359	7	111	.6	37	26	943	7.45	5	5	ND	2	392	.3	2	2	227	1.90	.383	23	109	1.67	110	.20	2	1.97	.02	.31	1
LR-90 L19+400E 20+500N	5	213	9	118	.6	45	28	1033	8.62	2	5	ND	1	363	.6	2	2	296	2.14	.426	25	192	1.50	99	.15	2	1.72	.02	.18	1
LR-90 L19+400E 20+450N	4	212	18	164	.6	45	36	1417	8.80	3	5	ND	1	181	.5	2	2	250	1.77	.387	19	126	1.79	111	.23	2	1.87	.02	.24	1
LR-90 L19+400E 20+400N	5	376	13	161	.6	48	31	1405	8.45	4	5	ND	1	125	.4	2	2	240	1.17	.267	15	131	1.90	74	.24	2	2.16	.02	.20	1
LR-90 L19+400E 20+350N	1	147	12	103	.5	41	19	802	7.11	6	5	ND	1	106	.2	2	2	220	.61	.194	6	135	1.17	83	.19	2	1.57	.01	.13	1
LR-90 L19+400E 20+300N	1	1228	10	137	.6	45	23	685	7.38	3	5	ND	2	110	.3	2	2	214	1.13	.312	17	103	1.99	57	.24	2	2.70	.02	.24	1
LR-90 L19+400E 20+250N	1	226	12	108	.5	30	18	812	6.99	4	5	ND	1	168	.2	2	2	204	.90	.282	13	71	1.37	85	.15	2	2.26	.02	.10	1
LR-90 L19+400E 20+200N	1	376	10	130	.7	42	22	848	7.61	5	5	ND	2	113	.2	2	2	227	.93	.249	12	110	1.94	53	.23	2	2.39	.02	.12	1
LR-90 L19+400E 20+150N	1	193	13	85	.4	29	17	544	6.84	2	5	ND	1	94	.2	2	2	217	.64	.156	6	90	1.20	50	.19	2	1.78	.02	.10	1
LR-90 L19+400E 20+100N	2	160	17	67	.5	15	9	458	4.39	4	5	ND	1	78	.2	2	2	179	.47	.083	7	53	.64	65	.27	2	1.35	.01	.09	1
LR-90 L19+400E 20+050N	4	1166	13	109	.5	33	15	521	5.33	5	5	ND	1	155	.3	2	2	178	1.24	.279	22	65	1.40	77	.21	2	2.46	.02	.10	1
LR-90 L19+400E 20+000N	2	537	10	189	.3	22	20	1572	6.06	6	5	ND	1	141	.2	2	2	173	1.03	.154	10	57	1.00	109	.14	2	1.66	.01	.12	1
LR-90 L19+500E 21+200N	12	192	11	83	.3	28	19	1316	7.94	2	5	ND	1	225	.4	2	2	236	1.14	.202	11	145	.68	195	.18	2	1.15	.01	.06	1
LR-90 L19+500E 21+150N	2	60	15	51	.3	26	11	428	6.90	2	5	ND	1	207	.2	2	2	228	.56	.042	3	176	.40	101	.37	2	.84	.01	.05	1
LR-90 L19+500E 21+100N	5	445	13	159	.5	66	32	1049	5.95	2	5	ND	1	248	.5	2	2	160	1.38	.297	26	130	2.42	97	.20	2	2.39	.02	.24	1
LR-90 L19+500E 21+050N	4	312	16	145	.3	62	30	1177	6.64	3	5	ND	1	311	.2	2	2	182	1.83	.266	19	139	2.23	90	.19	2	2.19	.01	.14	1
LR-90 L19+500E 21+000N	1	106	6	66	.3	38	19	609	8.19	6	5	ND	1	225	.4	2	2	225	1.06	.268	14	182	.93	72	.12	3	1.41	.02	.06	1
LR-90 L19+500E 20+950N	1	82	10	76	1.0	30	14	706	7.12	2	5	ND	1	201	.3	2	2	205	.61	.082	5	123	.89	81	.24	2	1.81	.02	.05	1
LR-90 L19+500E 20+900N	11	617	10	176	.6	42	25	3205	7.68	8	5	ND	1	261	1.2	2	2	226	1.27	.201	28	149	1.25	202	.13	2	2.04	.01	.08	1
LR-90 L19+500E 20+850N	1	288	8	89	.2	54	26	936	7.16	2	5	ND	1	200	.3	2	2	187	1.63	.488	23	162	1.82	131	.21	2	1.91	.02	.28	1
LR-90 L19+500E 20+800N	1	104	9	84	.5	36	18	626	8.17	2	5	ND	1	158	.2	2	2	236	.74	.134	6	136	.98	95	.24	2	1.39	.01	.06	1
LR-90 L19+500E 20+750N	1	104	9	87	.5	42	19	670	6.65	2	5	ND	1	118	.2	2	2	182	1.14	.243	12	152	1.27	60	.16	2	1.65	.01	.12	1
LR-90 L19+500E 20+700N	1	118	8	94	.5	45	20	764	7.03	2	5	ND	1	126	.2	2	2	190	1.25	.274	14	159	1.34	67	.17	2	1.74	.02	.12	1
LR-90 L19+500E 20+650N	6	371	8	110	.5	40	22	753	7.11	3	5	ND	1	247	.3	2	2	215	2.17	.459	25	139	1.38	100	.17	2	1.61	.02	.18	1
LR-90 L19+500E 20+600N	14	372	9	135	.3	37	23	636	7.23	2	5	ND	1	265	.4	2	2	221	1.91	.359	21	114	1.42	118	.20	5	1.80	.02	.15	1
LR-90 L19+500E 20+550N	4	302	5	115	.4	57	32	879	8.41	3	5	ND	2	285	.6	2	2	240	2.08	.430	22	197	1.85	99	.22	2	1.88	.02	.27	1
LR-90 L19+500E 20+500N	1	192	10	77	.7	30	15	457	7.33	2	5	ND	1	104	.2	2	2	218	.81	.212	10	123	.96	42	.21	2	1.61	.01	.08	1
LR-90 L19+500E 20+450N	1	230	18	117	.6	34	20	869	7.35	2	5	ND	1	303	.3	2	2	219	.84	.222	10	104	1.24	117	.22	2	1.89	.02	.09	1
LR-90 L19+500E 20+400N	1	542	8	153	.4	51	30	1262	7.90	3	5	ND	1	147	.6	2	3	229	1.48	.393	20	128	1.92	167	.23	2	1.99	.02	.33	1
LR-90 L19+500E 20+350N	1	328	14	130	.7	45	28	747	9.44	6	5	ND	1	105	.4	2	2	271	1.29	.383	19	112	1.70	58	.24	2	2.00	.02	.09	1
LR-90 L19+500E 20+300N	1	799	13	142	.4	59	28	897	8.14	5	5	ND	2	164	.7	2	2	226	1.86	.456	22	149	1.97	164	.25	2	2.06	.02	.40	1
STANDARD C/AU-S	20	57	38	135	7.2	72	31	1050	3.97	40	25	7	40	52	18.4	15	21	59	.60	.099	40	61	.90	183	.09	34	1.90	.06	.14	11

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	Tl %	B ppm	Al %	Na %	K %	V ppm
LR-90 L19+500E 20+250N	2	1047	20	151	.8	69	42	1380	9.00	2	5	ND	1	133	.5	3	7	224	1.81	.396	19	174	2.00	177	.21	3	2.40	.02	.48	5
LR-90 L19+500E 20+200N	1	947	9	126	.3	52	32	971	9.36	5	5	ND	1	114	.9	2	2	237	1.43	.460	19	161	1.29	66	.16	2	2.20	.02	.19	2
LR-90 L19+500E 20+150N	1	123	6	104	.6	31	21	691	8.91	2	5	ND	1	54	1.5	3	2	298	.43	.090	3	109	1.30	47	.36	2	1.73	.02	.22	2
LR-90 L19+500E 20+100N	1	466	11	112	.6	42	27	669	8.74	2	5	ND	1	92	.4	3	3	248	1.00	.371	13	105	1.54	47	.18	6	2.00	.02	.12	3
LR-90 L19+500E 20+050N	1	527	15	57	.9	23	14	472	5.81	3	5	ND	1	72	.6	2	2	215	.64	.222	8	72	.66	35	.12	2	1.60	.01	.05	2
LR-90 L19+600E 20+200N	3	808	105	82	.7	19	11	361	3.37	2	8	ND	1	107	1.2	2	2	145	.99	.224	24	48	.64	182	.11	2	1.76	.01	.07	2
LR-90 L19+600E 20+175N	2	159	24	66	.3	27	18	427	9.58	2	5	ND	1	141	.6	2	5	312	.58	.082	3	156	.39	69	.32	3	.82	.01	.07	2
LR-90 L19+600E 20+150N	2	67	13	65	.2	29	13	466	3.69	2	5	ND	1	67	.7	2	2	132	.71	.083	4	96	.89	67	.17	2	1.16	.02	.07	1
LR-90 L19+600E 20+125N	6	1423	91	74	1.1	21	19	347	4.09	2	8	ND	1	55	.3	2	2	100	.36	.575	10	64	.25	134	.02	4	2.01	.01	.05	1
LR-90 L19+600E 20+100N	3	375	29	339	.4	47	31	1525	10.70	2	5	ND	1	86	.5	6	4	285	1.48	.517	17	160	1.78	83	.15	5	2.22	.02	.06	2
LR-90 L19+600E 20+075N	1	754	16	384	.3	69	37	1394	9.55	2	5	ND	1	147	1.2	4	5	258	1.81	.542	18	201	1.83	85	.23	3	2.41	.04	.36	1
LR-90 L19+600E 20+050N	9	3436	56	510	.7	20	26	1250	12.16	3	5	ND	1	213	2.8	3	2	413	.44	.084	15	47	.91	238	.22	2	2.33	.01	.08	1
LR-90 L19+600E 20+025N	7	17355	19	493	2.0	77	40	3968	7.13	2	5	ND	1	135	9.9	5	2	190	1.08	.344	53	135	1.74	295	.18	2	3.00	.02	.34	1
LR-90 L19+700E 20+000N BL	8	347	22	136	.6	15	14	792	8.81	2	5	ND	1	73	1.1	2	2	431	.29	.053	3	33	.67	90	.37	2	1.27	.01	.13	2
LR-90 L19+700E 19+975N	8	15227	70	171	3.0	23	30	2145	4.41	2	5	ND	1	52	4.3	5	3	138	.40	.173	49	37	1.14	215	.18	2	2.88	.01	.32	1
LR-90 L19+700E 19+950N	5	22860	11	243	.5	107	33	1082	5.60	2	5	ND	1	179	3.4	5	2	109	1.84	.240	25	330	2.73	167	.13	2	2.17	.01	.31	1
LR-90 L19+700E 19+925N	5	12971	15	113	4.4	40	20	1109	3.26	6	13	ND	1	274	3.9	6	2	101	2.70	.216	39	110	1.09	385	.05	3	1.61	.01	.19	1
LR-90 L19+700E 19+900N	1	223	4	140	.2	67	37	1048	10.39	2	5	ND	1	150	1.5	2	2	232	2.31	.467	23	173	1.30	113	.19	2	1.39	.03	.11	5
LR-90 L19+700E 19+875N	1	100	9	45	.6	36	18	505	8.42	2	5	ND	1	71	.6	2	3	243	.81	.120	6	172	.58	37	.19	2	1.24	.01	.04	3
LR-90 L19+700E 19+850N	1	68	8	38	.3	42	21	1009	9.90	2	5	ND	1	95	.4	2	2	263	.62	.075	3	210	.34	52	.25	2	.76	.01	.03	1
LR-90 L19+700E 19+825N	1	63	7	107	.3	34	19	926	6.86	2	5	ND	1	102	1.2	2	2	196	1.02	.118	5	124	.97	66	.25	4	1.54	.01	.06	2
LR-90 L19+700E 19+800N	2	10837	3	113	2.1	54	31	910	8.14	4	5	ND	1	164	3.1	2	3	195	1.33	.176	48	191	.93	119	.14	2	1.47	.01	.11	1
LR-90 L19+700E 19+775N	3	13498	6	8	3.5	5	3	536	.51	2	12	ND	1	399	3.2	4	2	12	2.63	.127	41	10	.09	197	.01	2	.51	.01	.01	1
LR-90 L19+700E 19+750N	19	571	15	97	1.1	46	28	837	8.34	6	8	ND	1	235	1.0	2	2	268	1.41	.216	21	200	1.11	143	.08	2	1.63	.01	.08	4
LR-90 L19+700E 19+725N	18	254	13	73	.5	33	22	757	8.02	2	5	ND	1	175	1.1	2	2	226	1.11	.109	15	158	.82	96	.16	2	1.61	.02	.06	1
LR-90 L19+700E 19+700N	3	149	18	138	.5	37	24	1183	7.69	3	5	ND	1	101	2.1	3	2	207	1.47	.233	14	127	1.21	59	.15	2	1.93	.01	.07	1
LR-90 L19+700E 19+700N (A)	32	842	2	113	.2	65	34	879	8.20	2	5	ND	1	145	1.3	7	2	206	1.85	.208	12	151	1.88	64	.18	2	1.88	.01	.08	1
LR-90 L19+700E 19+675N	2	312	24	175	.4	52	31	1270	7.78	6	5	ND	1	85	.9	3	2	208	1.36	.268	13	111	1.38	54	.15	2	1.71	.02	.06	1
LR-90 L19+700E 19+650N	8	390	9	153	.3	56	33	856	8.37	2	5	ND	1	185	1.7	5	3	215	1.80	.379	19	132	1.61	41	.15	2	1.73	.01	.06	1
LR-90 L19+700E 19+625N	1	98	14	85	.1	33	20	731	6.97	2	5	ND	1	131	.6	2	4	176	1.02	.116	8	128	.79	99	.16	2	1.19	.01	.05	1
LR-90 L19+700E 19+600N	10	280	15	75	.1	29	32	3388	6.50	2	5	ND	1	163	.9	2	3	196	1.06	.177	15	99	.56	79	.09	2	1.26	.01	.08	1
LR-90 L19+700E 19+550N	12	142	10	141	.3	39	22	888	7.08	2	5	ND	1	231	1.4	2	2	211	1.24	.209	11	134	1.14	55	.12	2	1.54	.01	.09	1
LR-90 L19+700E 19+500N	1	30	4	153	.3	77	37	1503	11.28	2	5	ND	1	65	.9	4	4	277	.47	.236	9	266	1.26	78	.13	2	1.92	.01	.06	1
LR-90 L19+700E 19+475N	1	31	9	87	.3	64	30	677	8.88	2	5	ND	1	284	2.3	3	2	212	.71	.151	12	152	1.11	67	.20	2	1.45	.01	.04	1
LR-90 L19+700E 19+450N	1	28	12	96	.2	68	35	832	9.90	2	5	ND	1	254	1.7	4	2	223	1.55	.442	21	178	1.30	65	.19	2	1.35	.02	.11	1
LR-90 L19+700E 19+400N	1	135	14	107	.7	53	27	823	9.63	2	5	ND	1	108	.5	5	2	205	.95	.210	10	161	1.20	48	.15	2	1.76	.01	.06	1
STANDARD C/AU-S	20	63	39	133	7.3	73	31	1053	3.99	39	19	7	36	52	18.5	15	21	57	.51	.094	37	59	.88	182	.07	37	1.92	.06	.13	11

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Tl	B	Al	Na	K	V
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm
LR-90 L19+700E 19+400N (A)	2	20	3	88	.1	65	33	906	10.63	5	5	ND	1	206	.7	2	11	216	1.05	.152	8	134	1.22	64	.23	11	1.37	.02	.04	1
LR-90 L19+700E 19+375N	1	29	12	124	.2	100	43	965	8.04	8	8	ND	2	153	1.0	2	2	145	1.17	.279	18	338	2.91	64	.19	3	2.35	.02	.21	1
LR-90 L19+700E 19+350N	2	86	3	119	.4	23	26	1448	6.79	6	5	ND	1	1774	1.2	2	2	172	1.05	.144	9	68	1.61	362	.18	3	2.45	.03	.11	1
LR-90 L19+700E 19+325N	3	116	2	192	.1	49	30	1609	8.42	2	5	ND	1	187	1.6	2	2	212	1.37	.255	14	131	1.54	100	.22	2	2.31	.02	.05	1
LR-90 L19+700E 19+300N	2	40	9	122	.2	123	47	1109	11.56	7	5	ND	1	60	1.9	2	2	184	.62	.076	5	671	3.09	64	.24	5	2.21	.02	.03	1
LR-90 L19+700E 19+275N	3	36	2	117	.1	82	32	946	10.96	13	5	ND	1	70	1.9	2	2	223	.86	.092	9	366	1.63	42	.38	2	1.83	.02	.05	1
LR-90 L19+700E 19+250N	2	70	7	147	.2	83	38	1121	9.35	8	5	ND	1	176	1.9	2	3	206	1.41	.233	13	294	2.14	71	.22	5	2.00	.02	.07	1
LR-90 L19+700E 19+225N	2	201	7	107	.1	107	43	941	9.74	7	5	ND	3	172	1.5	2	2	209	1.21	.193	19	572	2.33	74	.22	2	1.94	.03	.55	1
LR-90 L19+700E 19+200N	3	187	9	119	.6	48	27	823	8.37	12	5	ND	1	108	1.3	3	4	198	1.13	.247	12	152	1.32	63	.10	3	1.81	.02	.07	1
LR-90 L19+700E 19+175N	2	19	8	103	.2	109	48	1304	14.23	3	9	ND	1	53	1.2	2	2	264	.33	.061	2	721	1.70	88	.22	2	1.39	.02	.03	1
LR-90 L19+700E 19+150N	2	43	13	42	.6	21	11	636	4.66	3	5	ND	1	55	.2	2	3	161	.72	.067	5	110	.45	54	.12	2	.96	.01	.04	1
LR-90 L19+700E 19+125N	4	190	11	201	.7	71	39	2071	8.40	12	6	ND	1	225	1.5	2	11	263	2.23	.373	24	250	1.91	121	.11	2	2.21	.02	.09	1
LR-90 L19+700E 19+125N (A)	2	42	2	98	.1	79	32	1291	8.63	4	5	ND	1	416	1.5	2	12	202	.68	.061	3	437	1.48	128	.32	2	1.62	.02	.05	1
LR-90 L19+700E 19+100N	3	35	8	67	.2	38	18	725	8.14	4	5	ND	1	75	.9	2	2	217	.52	.063	5	158	.75	43	.27	2	1.60	.02	.04	1
LR-90 L19+700E 19+075N	2	88	4	107	.3	51	26	724	9.77	5	5	ND	1	90	1.3	3	2	236	1.10	.280	11	138	1.10	48	.19	4	1.57	.02	.06	1
LR-90 L19+700E 19+050N	2	76	6	86	.2	42	22	875	9.19	5	5	ND	1	78	.8	2	2	227	.93	.181	7	152	.93	41	.16	2	1.41	.02	.06	1
LR-90 L19+700E 19+025N	2	82	13	121	.1	59	33	1468	10.38	8	5	ND	1	107	1.8	2	2	249	1.27	.156	10	182	1.37	79	.24	2	1.52	.02	.07	1
LR-90 L19+700E 18+975N	3	330	8	123	.8	43	29	1743	8.54	3	5	ND	1	206	1.1	2	2	245	1.53	.178	16	152	1.04	199	.10	2	1.57	.01	.10	1
LR-90 L19+700E 18+950N	2	68	8	108	.3	64	33	1004	10.13	9	5	ND	1	129	1.4	2	2	225	1.23	.182	11	193	1.41	85	.16	2	1.47	.02	.08	1
LR-90 L19+700E 18+925N	2	50	6	98	.3	51	28	1028	9.63	7	5	ND	1	93	1.1	2	4	231	1.03	.275	10	140	1.26	53	.17	2	1.61	.02	.07	1
LR-90 L19+700E 18+900N	2	285	14	94	.4	38	21	702	7.28	5	5	ND	1	89	1.3	2	3	189	.96	.173	11	126	1.08	48	.13	2	1.62	.02	.05	1
LR-90 L19+700E 18+875N	2	422	19	113	.5	49	28	1050	8.22	7	5	ND	1	122	.7	2	4	195	1.42	.315	17	142	1.51	47	.13	2	1.91	.02	.05	1
LR-90 L19+700E 18+850N	2	49	8	77	.2	35	17	857	7.15	3	5	ND	1	107	1.2	2	2	192	.86	.070	6	182	.87	73	.28	2	1.52	.02	.05	1
LR-90 L19+700E 18+825N	2	51	12	55	1.0	29	14	566	6.62	7	5	ND	1	70	1.0	2	2	186	.75	.110	6	111	.55	44	.14	2	1.12	.02	.05	1
LR-90 L19+700E 18+800N	2	59	9	76	.2	42	20	553	7.29	7	5	ND	1	64	1.1	2	2	197	.62	.114	6	123	1.01	35	.18	2	1.47	.02	.05	1
LR-90 L19+700E 18+775N	4	69	13	103	.4	52	28	1246	9.20	8	5	ND	1	83	2.0	2	4	225	.94	.135	5	176	1.17	86	.23	4	1.44	.02	.07	1
LR-90 L19+700E 18+750N	3	72	7	88	.3	40	26	1116	8.29	3	5	ND	1	78	1.1	2	2	209	.80	.084	5	158	.87	81	.19	2	1.18	.02	.05	1
LR-90 L19+700E 18+725N	5	299	16	131	.5	58	36	1956	8.95	6	5	ND	1	220	1.2	2	2	227	1.84	.326	21	160	1.50	151	.12	2	1.92	.02	.16	1
LR-90 L19+700E 18+700N	7	313	11	104	.1	52	28	1078	8.02	5	5	ND	1	161	.9	3	2	197	1.27	.233	15	139	1.42	107	.18	2	1.73	.02	.10	1
LR-90 L19+700E 18+675N	3	2182	6	111	.9	29	13	1022	2.29	3	5	ND	1	418	4.2	2	7	68	3.09	.179	21	85	.76	209	.05	2	.98	.01	.12	1
LR-90 L19+700E 18+650N	3	101	10	127	.2	63	33	825	8.20	10	5	ND	1	141	.8	2	10	181	1.34	.280	14	168	1.44	175	.15	3	1.59	.02	.19	1
LR-90 L19+700E 18+625N	3	61	16	96	.3	37	19	802	7.01	7	5	ND	1	87	.9	2	4	168	1.22	.176	9	124	1.02	46	.16	2	1.66	.02	.06	1
LR-90 L19+700E 18+600N	2	44	2	115	.4	63	31	1065	8.82	6	5	ND	1	84	1.0	2	2	205	1.52	.176	9	160	1.89	49	.20	3	2.12	.02	.10	1
LR-90 L19+700E 18+575N	3	10	3	80	.1	54	34	1119	12.18	7	5	ND	1	63	1.6	2	2	318	.65	.086	7	180	.73	87	.33	11	1.00	.02	.07	1
LR-90 L19+700E 18+550N	2	33	14	84	.3	42	22	637	9.17	5	5	ND	1	83	1.2	2	2	245	.80	.102	7	136	.72	67	.24	2	1.10	.02	.06	1
LR-90 L19+700E 18+525N	3	142	7	100	.3	45	25	580	7.89	13	5	ND	1	133	.9	2	2	189	1.05	.087	11	142	1.03	93	.16	3	1.61	.02	.08	1
STANDARD C/AU-S	20	58	40	132	7.2	73	32	1049	3.95	41	17	7	38	53	18.3	16	18	56	.51	.093	38	61	.92	183	.07	34	1.91	.06	.14	14

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 %	M ppm
LR-90 L19+700E 18+500N	1	41	9	46	.2	18	11	701	5.79	5	5	ND	1	54	1.5	2	4	165	.51	.051	4	58	.23	53	.15	2	.61	.01	.03	3
LR-90 L19+800E 20+000N	1	1065	16	455	.5	86	47	2586	12.72	2	5	ND	1	168	2.4	12	2	326	1.65	.864	33	195	3.05	138	.10	2	4.50	.01	.25	1
LR-90 L19+800E 19+950N	1	29194	28	277	2.8	57	37	2592	5.46	11	5	ND	1	62	7.4	8	9	134	.53	.203	19	104	1.71	299	.25	2	2.60	.01	.34	1
LR-90 L19+800E 19+900N	4	416	22	140	.1	21	18	737	4.50	9	5	ND	1	134	.3	4	2	173	.38	.072	2	27	1.36	130	.13	2	2.05	.01	.21	5
LR-90 L19+800E 19+850N	12	3157	16	102	.6	20	18	2336	4.32	11	5	ND	1	95	1.3	2	5	159	.75	.129	13	31	.75	130	.16	2	1.40	.01	.11	2
LR-90 L19+800E 19+800N	1	495	19	106	1.3	31	19	895	8.78	5	5	ND	1	55	1.1	6	2	238	.59	.163	6	113	.84	52	.21	2	1.53	.01	.06	1
LR-90 L19+800E 19+750N	2	949	17	164	.8	89	38	1267	8.87	15	5	ND	1	207	2.1	8	2	190	1.82	.459	24	199	2.21	153	.19	2	2.41	.02	.37	1
LR-90 L19+800E 19+700N	1	118	11	134	.5	71	30	824	9.38	4	5	ND	1	127	.3	8	2	186	1.39	.330	14	190	1.59	56	.17	2	1.81	.02	.04	1
LR-90 L19+800E 19+650N	1	719	18	159	.4	82	36	1076	9.14	8	5	ND	1	178	.8	10	2	174	1.54	.487	22	190	1.84	121	.15	2	1.90	.02	.38	1
LR-90 L19+800E 19+600N	1	304	13	120	.3	56	28	1321	8.52	5	5	ND	1	162	1.1	7	2	183	1.24	.315	15	163	1.29	88	.14	2	1.68	.02	.20	1
LR-90 L19+800E 19+450N	1	177	8	68	.4	17	13	449	4.30	5	5	ND	1	2174	1.4	2	3	120	.86	.233	13	50	.61	185	.03	2	3.01	.02	.11	3
LR-90 L19+800E 19+400N	2	147	7	97	.1	36	16	630	4.60	7	5	ND	1	440	1.0	5	4	142	1.01	.175	15	81	1.21	68	.11	2	1.86	.02	.06	1
LR-90 L19+800E 19+350N	1	93	20	125	.3	102	43	1538	13.16	2	5	ND	1	143	.2	11	2	220	1.06	.292	16	345	1.94	83	.15	5	1.78	.02	.15	1
LR-90 L19+800E 19+300N	1	61	9	192	.2	103	43	1081	10.94	2	5	ND	1	328	.8	9	2	198	3.24	1.017	45	125	1.87	56	.12	2	2.02	.02	.58	1
LR-90 L19+800E 19+250N	1	700	12	178	.4	58	30	991	8.62	4	5	ND	1	162	.9	7	2	180	1.58	.331	16	169	1.81	97	.15	2	2.25	.02	.25	1
LR-90 L19+800E 19+200N	1	46	7	80	.4	29	15	903	7.44	2	5	ND	1	125	1.0	4	2	202	1.54	.117	5	177	.74	63	.24	2	1.49	.01	.06	1
LR-90 L19+800E 19+150N	1	30	14	92	.4	30	15	931	7.46	2	5	ND	1	115	1.1	4	2	197	1.53	.121	5	172	.82	56	.25	2	1.50	.01	.06	1
LR-90 L19+800E 19+100N	1	120	18	151	.4	65	27	962	7.53	2	5	ND	1	106	1.2	6	2	161	.74	.117	9	194	1.99	33	.16	3	2.32	.01	.04	2
LR-90 L19+800E 19+050N	2	232	11	168	.1	87	41	4215	7.98	15	5	ND	1	179	1.5	7	2	194	1.24	.243	23	264	2.00	114	.12	2	2.54	.01	.06	1
LR-90 L19+800E 18+950N	2	79	45	133	.2	51	42	2046	10.45	2	5	ND	1	247	.9	8	2	260	1.76	.312	14	117	1.42	147	.15	2	1.68	.01	.18	1
LR-90 L19+800E 18+900N	1	120	12	101	.3	86	41	1393	9.25	4	5	ND	1	200	.4	10	2	188	1.24	.247	18	247	1.94	127	.12	5	1.95	.01	.07	1
LR-90 L19+800E 18+850N	1	169	15	137	.2	75	28	712	8.57	3	5	ND	1	200	.5	6	2	170	1.26	.350	19	181	1.59	109	.16	2	1.84	.02	.15	1
LR-90 L19+800E 18+800N	1	171	14	114	.4	66	35	1197	8.54	2	5	ND	1	188	.6	6	2	209	1.47	.328	19	155	1.56	111	.14	4	1.66	.02	.20	1
LR-90 L19+800E 18+750N	1	114	8	146	.1	54	30	1095	8.69	4	5	ND	1	137	1.4	7	2	168	1.42	.256	13	159	1.18	130	.11	3	1.45	.01	.10	1
LR-90 L19+800E 18+700N	1	84	17	62	.5	33	15	430	7.27	2	5	ND	1	95	1.4	2	2	190	.57	.087	8	145	.50	80	.12	2	.97	.01	.06	1
LR-90 L19+800E 18+650N	6	58	10	71	.2	31	13	541	5.47	5	5	ND	1	75	1.2	2	2	144	.42	.101	7	100	.62	69	.09	2	1.27	.01	.04	1
LR-90 L19+800E 18+600N	2	50	5	47	.3	26	9	758	4.39	4	5	ND	1	57	.6	2	2	124	.27	.079	6	106	.38	69	.09	2	.93	.01	.03	3
LR-90 L19+800E 18+550N	1	46	2	52	.5	19	8	318	3.55	2	5	ND	1	66	1.0	2	2	106	.41	.116	8	78	.48	69	.05	2	1.05	.01	.06	1
LR-90 L19+800E 18+500N	2	42	9	64	1.3	19	8	386	3.00	3	7	ND	1	74	.4	2	2	70	.32	.106	8	50	.49	121	.04	3	1.50	.01	.04	3
LR-90 L19+900E 19+950N	1	403	9	206	1.1	52	38	1257	9.41	2	5	ND	1	136	.2	6	3	205	1.87	.651	24	103	2.09	155	.12	5	2.81	.01	.26	1
LR-90 L19+900E 19+900N	1	584	13	225	.5	102	20	718	6.47	2	5	ND	1	36	1.6	5	2	196	.58	.213	12	210	2.60	65	.33	2	3.86	.02	.39	1
LR-90 L19+900E 19+850N	1	239	19	106	.2	39	19	598	7.10	6	5	ND	1	113	.2	3	2	173	.86	.329	12	97	1.23	70	.12	2	1.87	.01	.09	3
LR-90 L19+900E 19+800N	2	2289	8	237	.2	32	27	1447	7.31	3	5	ND	1	141	1.4	4	3	201	1.16	.298	12	77	1.91	114	.14	2	2.37	.02	.17	1
LR-90 L19+900E 19+750N	1	916	11	184	.5	60	26	986	6.69	5	5	ND	1	86	1.7	5	2	149	1.22	.403	18	112	1.99	72	.12	2	2.39	.02	.17	1
LR-90 L19+900E 19+700N	1	150	10	87	.3	47	23	859	9.12	2	5	ND	1	81	.9	2	2	225	.64	.164	8	145	.87	54	.22	2	1.39	.01	.05	1
LR-90 L19+900E 19+650N	2	1226	19	113	.8	107	35	1114	7.73	2	5	ND	1	191	1.4	8	2	184	1.59	.412	18	255	2.22	271	.18	2	2.37	.02	.35	1
STANDARD C/AU-S	20	62	43	133	7.3	73	32	1056	3.98	42	19	7	38	53	18.5	15	22	58	.52	.096	38	60	.90	183	.08	38	1.88	.06	.13	12

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm
LR-90 L19+900E 19+600N	1	83	25	138	.1	66	29	911	8.00	7	5	ND	1	168	.8	2	3	190	1.25	.306	15	160	1.47	67	.21	2	1.48	.02	.03	1
LR-90 L19+900E 19+550N	1	136	16	162	.1	79	33	948	8.43	2	5	ND	1	175	1.1	2	6	202	1.60	.369	18	185	1.84	130	.21	5	1.81	.02	.09	1
LR-90 L19+900E 19+500N	1	108	4	126	.4	57	25	790	8.11	2	5	ND	1	246	.8	2	2	216	1.43	.286	15	200	1.55	188	.18	2	1.85	.02	.06	1
LR-90 L19+900E 19+450N	2	62	9	74	.4	26	12	477	6.34	2	5	ND	1	101	.5	2	2	210	.81	.128	8	109	.80	59	.18	2	1.53	.01	.03	1
LR-90 L19+900E 19+400N	9	84	3	150	.2	70	36	909	10.16	4	5	ND	2	210	1.3	2	4	256	1.97	.567	27	181	1.70	60	.18	2	1.94	.01	.12	1
LR-90 L19+900E 19+350N	9	123	7	195	.3	96	48	1352	10.09	10	5	ND	1	431	1.6	2	5	217	2.31	.505	23	209	2.72	303	.09	3	2.91	.02	.19	1
LR-90 L19+900E 19+300N	1	73	5	109	.1	58	25	1062	7.20	3	5	ND	1	119	.8	2	2	192	1.27	.193	12	185	1.40	93	.20	3	1.71	.01	.14	1
LR-90 L19+900E 19+250N	1	114	9	116	.2	95	39	1014	8.81	6	5	ND	2	364	1.0	2	5	191	2.14	.439	27	251	2.40	125	.19	2	2.19	.02	.47	1
LR-90 L19+900E 19+200N	1	125	5	119	.1	98	42	1083	7.69	8	5	ND	2	646	1.1	2	2	146	2.11	.619	35	302	2.96	195	.16	5	2.55	.02	.56	1
LR-90 L19+900E 19+150N	4	52	7	137	.1	26	17	699	7.07	2	5	ND	1	1495	.7	2	2	124	.90	.190	17	66	.81	193	.07	2	3.70	.02	.07	1
LR-90 L19+900E 19+100N	4	58	3	147	.1	18	18	1423	6.04	2	5	ND	1	417	.8	2	2	134	2.19	.097	12	38	1.44	163	.08	2	3.78	.01	.05	1
LR-90 L19+900E 19+050N	1	711	9	146	.4	51	25	1398	7.71	10	5	ND	2	208	1.2	2	2	186	1.45	.297	20	151	1.44	122	.13	2	2.48	.02	.10	1
LR-90 L19+900E 19+000N	1	473	8	131	.1	92	39	1094	8.63	2	5	ND	4	232	1.4	2	2	193	1.82	.592	40	223	2.33	91	.20	4	2.15	.02	.24	1
LR-90 L19+900E 18+950N	1	72	5	136	.2	82	38	775	8.45	10	5	ND	2	194	1.2	2	4	187	1.63	.510	30	204	2.33	112	.19	2	2.07	.02	.11	1
LR-90 L19+900E 18+900N	1	425	9	133	.2	97	42	1423	8.32	11	5	ND	2	319	1.0	2	2	163	1.31	.381	29	289	2.13	56	.23	2	2.27	.01	.06	1
LR-90 L19+900E 18+850N	1	513	13	274	.1	44	28	1431	5.95	2	5	ND	1	241	.7	2	2	149	1.22	.234	13	84	2.15	202	.13	2	2.52	.01	.06	1
LR-90 L19+900E 18+800N	1	42	7	141	.1	105	52	1529	8.41	13	5	ND	2	306	1.1	2	5	180	2.40	.621	32	248	3.10	132	.19	3	2.46	.02	.34	1
LR-90 L19+900E 18+750N	1	35	5	130	.2	89	39	1057	8.25	7	5	ND	4	166	1.1	2	2	165	1.54	.512	29	266	2.43	88	.20	2	2.09	.01	.08	1
LR-90 L19+900E 18+700N	12	168	14	183	.5	20	10	2036	7.46	23	5	ND	2	50	1.0	2	5	193	.28	.098	9	98	1.18	128	.38	2	2.58	.01	.16	1
LR-90 L19+900E 18+650N	6	118	17	76	1.1	20	9	965	5.45	2	5	ND	1	67	.6	2	2	158	.37	.086	10	88	.37	58	.17	2	1.47	.01	.04	1
LR-90 L19+900E 18+600N	1	58	24	124	.9	48	19	546	7.31	2	5	ND	1	77	.8	2	2	168	.61	.198	12	156	1.20	48	.12	2	2.02	.01	.05	1
LR-90 L19+900E 18+550N	1	34	10	98	.4	43	24	1241	8.57	2	5	ND	1	114	1.1	2	2	201	.75	.203	10	169	.83	106	.13	2	1.38	.01	.12	1
LR-90 L19+900E 18+500N	6	93	9	131	.1	54	22	654	8.31	11	5	ND	1	99	1.5	2	2	163	.56	.121	10	181	1.18	115	.19	3	1.90	.02	.09	1
STANDARD C/AU-S	20	61	38	133	7.0	72	31	1048	4.00	42	21	7	39	52	16.3	15	18	59	.52	.099	39	61	.89	182	.09	35	1.89	.06	.14	11



21300 N
21200 N
21100 N
21000 N
20900 N
20800 N
20700 N
20600 N
20500 N
20400 N
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20100 N
B/L 20+000 N
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19800 E
19900 E
B/L 20+000 E
20100 E
20200 E
20300 E
20400 E
20500 E
20600 E
20700 E
20800 E
20900 E
21000 E

LEGEND
 — 250 ppm Cu CONTOUR
 — 500 ppm Cu CONTOUR
 — 1000 ppm Cu CONTOUR

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**
20,608

C.E.C. ENGINEERING LTD.
 LORRAINE PROJECT
 Cu (ppm)
 SOIL GEOCHEMISTRY
 Scale: 1:2000
 Date: OCT. 90
 Project: Lorraine
 Sheet: 5