HORN SILVER & UTICA CLAIMS

ASSESSMENT REPORT

GEOCHEMICAL SURVEY

Osoyoos Mining Division
British Columbia
NTS 82E/4E
Latitude 49°03'N
Longitude 119°41'W

CLAIMS OWNER:

Dankoe Mines Ltd.
7 Ridgewood Road
Toronto, Ontario M5P 1T4

CONSULTANTS:

Laroth Engineering Ltd.
405 - 595 Howe Street
Vancouver, B.C. V6C 2T5

DATED:

January 25, 1989

LIST "A"

CLAIM	RECORD NO.	GOOD STANDING
UTICA 1	18258	6 DEC 1P
2	18259	"
3	18260	"
4	18261	"
5	18262	"
7	18264	"
9	18266	"
11	18268	"
13	18270	"
14	18271	"
15	18272	"
16	18273	"
17	18274	"
18	18275	"
19	18276	"
20	18277	"
21	18278	"
22	18279	"
23	18280	"
24	18281	"
25	18282	"
26	18283	"
27	18284	"
28	18285	"
29	18286	"
30	18287	"
31	18288	"
32	18289	"
33	18290	"
34	18291	"
35	18292	"
36	18293	"
37	18294	"
38	18295	"
39	18296	"
40	18297	"
41	18298	"
42	18299	"
43	18300	"

CLAIM	RECORD NO.	GOOD STANDING
UTICA 44	1P301	6 DEC/P
45	1P302	"
46	1P303	"
48	1P304	"
50	1P305	"
52	1P306	"
53	1P307	"
54	1P308	"
55	1P309	"
56	1P310	"
57	1P311	"
58	1P312	"
59	1P313	"
60	1P314	"
UTICA NO. 2 FRACTION	1P315	"
UTICA 101	1P341	"
102	1P342	"
UTICA 47	1P542	19 DEC/P
49	1P543	"
51	1P544	"
61	1P545	"
62	1P546	"
63	1P547	"
64	1P548	"
65	1P549	"
66	1P550	"
67	1P551	"
69	1P553	"
71	1P555	"
73	1P557	"
75	1P559	"
77	1P561	"
78	1P562	"
79	1P563	"
80	1P564	"
81	1P565	"
82	1P566	"
83	1P567	"
84	1P568	"
85	1P569	"

CLAIM	RECORD NO.	GOOD STANDING
UTICA #6	185 70	19 DEC 18
#7	185 71	"
#8	185 72	"
#9	185 73	"
#90	185 74	"
#91	185 75	"
#92	185 76	"
#93	185 77	"
#94	185 78	"
#95	185 79	"
#96	185 80	"
#97	185 81	"
#98	185 82	"
#99	185 83	"
#106	185 84	"
#104	185 85	"
#110	185 86	"
L 30645	185 92	"
L 23935	BRITISH N.C.	1984 TAXES PAID
L 1128	SILVER BELL	1984 TAXES PAID
	HORN SILVER	1984 TAXES PAID

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SUMMARY

Dankoe Mines Ltd. owns the Horn Silver crown grant claims that are situated within the Utica claim block located near Keremeos, British Columbia. The mine up to its closure in August, 1981 had mined 469,171 tons producing 3,856,870 ozs of silver with minor gold, zinc and lead.

A minor amount of mining (1,000 tons) was done in 1983.

During 1987, a total of 35.5 km of grid lines were established including 2.4 km of cut baseline. (1.5 km of lines disregarded due to faulty compass)

A magnetometer and EM-VLF Survey was conducted over 32.5 km of lines with readings taken at 25m stations. The rugged terrain necessitated that on numerous occasions, for safety reasons, two men worked together, in some circumstances ropes were used, this work was applied as 1987 assessment work.

The program must be considered reconnaissance exploration as it forms a small part of a major exploration program recommended by W.A. Gewargis, B.Sc., F.G.A.C. in 1986. One of the objects was to determine the effectiveness of the geophysical instruments in these rock formations and ore deposits.

Previous surface work on the claim group consisted mainly of prospecting and some geological mapping performed in 1977. The 1987 program confirmed some of the geology and related the 1977 and 1987 geology to the grid. The 1988 program consisted of collecting and analysing 279 soil samples. The object of the program was to attempt to confirm, magnetic and electromagnetic phenomena located during the 1987 program. Work was

concentrated on the North section of the baseline established for the 1987 assessment program.

The most significant results from the geochem survey were received from line 4+25E which produced anomalous results for all metals except gold outlined in this report. Detailed work has been recommended for the 1989 exploration year.

1.0 INTRODUCTION

The writer, E.N. Larabie, P.Eng. of Laroth Engineering Ltd., was engaged by Dankoe Mines Ltd., to conduct an exploration program that would comply with the Mineral Act Regulations pertaining to the assessment work requirements on the claim block. The writer is familiar with the property as he acted as mine manager during 1980 and 1981.

This report describes the results from the program as well as the physical aspects of the claim block.

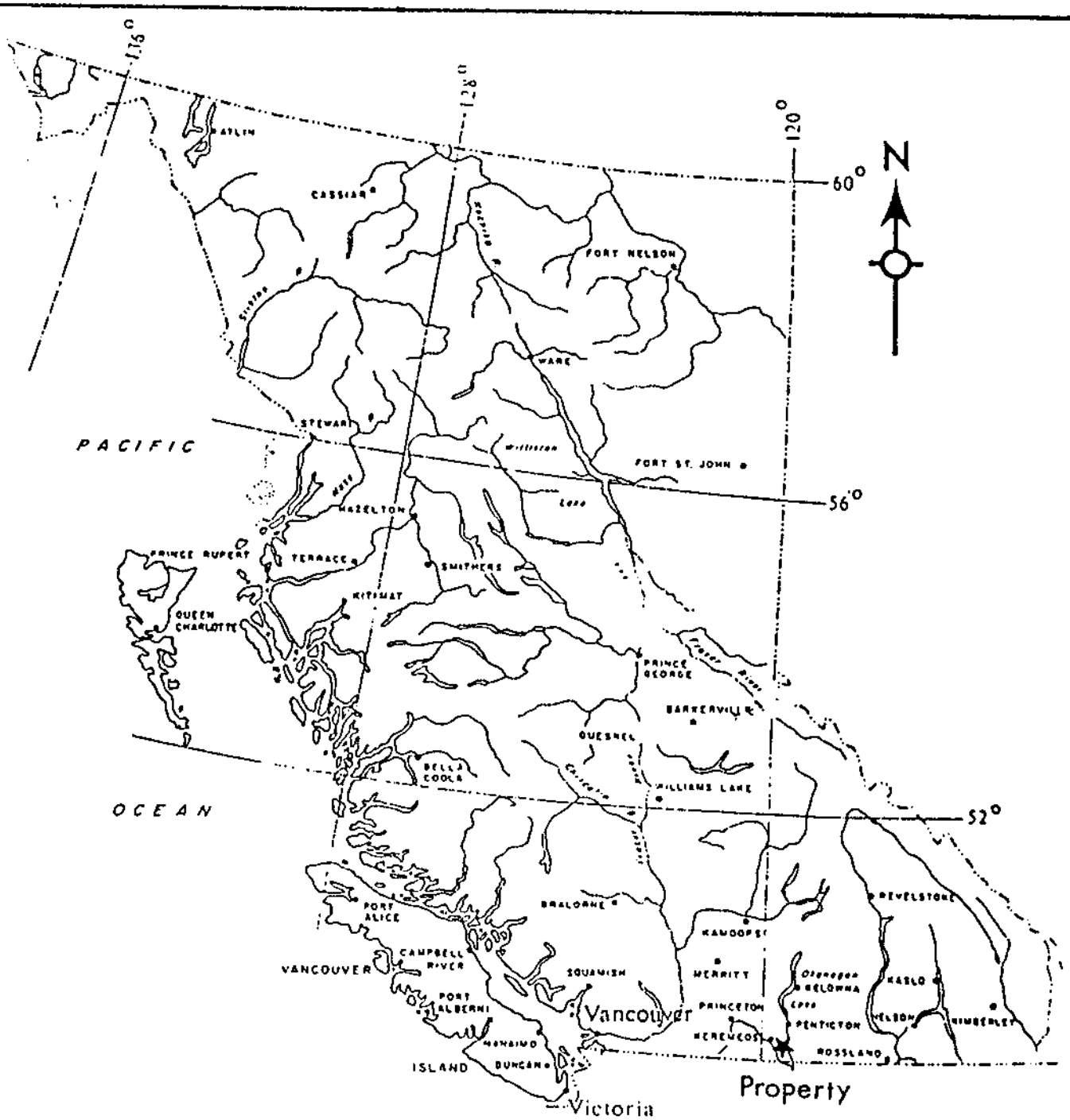
1.1 Location and Access (Figure 1)

The Utica claim is located in the Similkameen Valley, 26 kilometers southeast of Keremeos, and 35 kilometers northwest of Osoyoos, British Columbia. The Mill and other infrastructure is located 300 meters east of Highway No. 3 and is connected by a 0.6 kilometer gravel road and a 3.5 kilometer road to the upper mine workings. The claims are situated within the National Topographic System area 82E/4E at 49° 03' North Latitude and 119° 41' West Longitude.

At the present time, there are no roads connecting the Mine to a portion of the exploration target area due to the steep rugged terrain, therefore, future exploration work in certain parts of the property may require helicopter assistance. The upper section west and north of line 10+00 may be reached by gravel road with permission from the owner of the Elking Ranch who has surface rights on about 40% of the 1987 exploration area, as well as surrounding property.

1.2 Topography and Climate (Figure 2)

The property is located on a steep mountainside with the Similkameen valley to the west and the Richter mountain range



DANKOE MINES LTD.

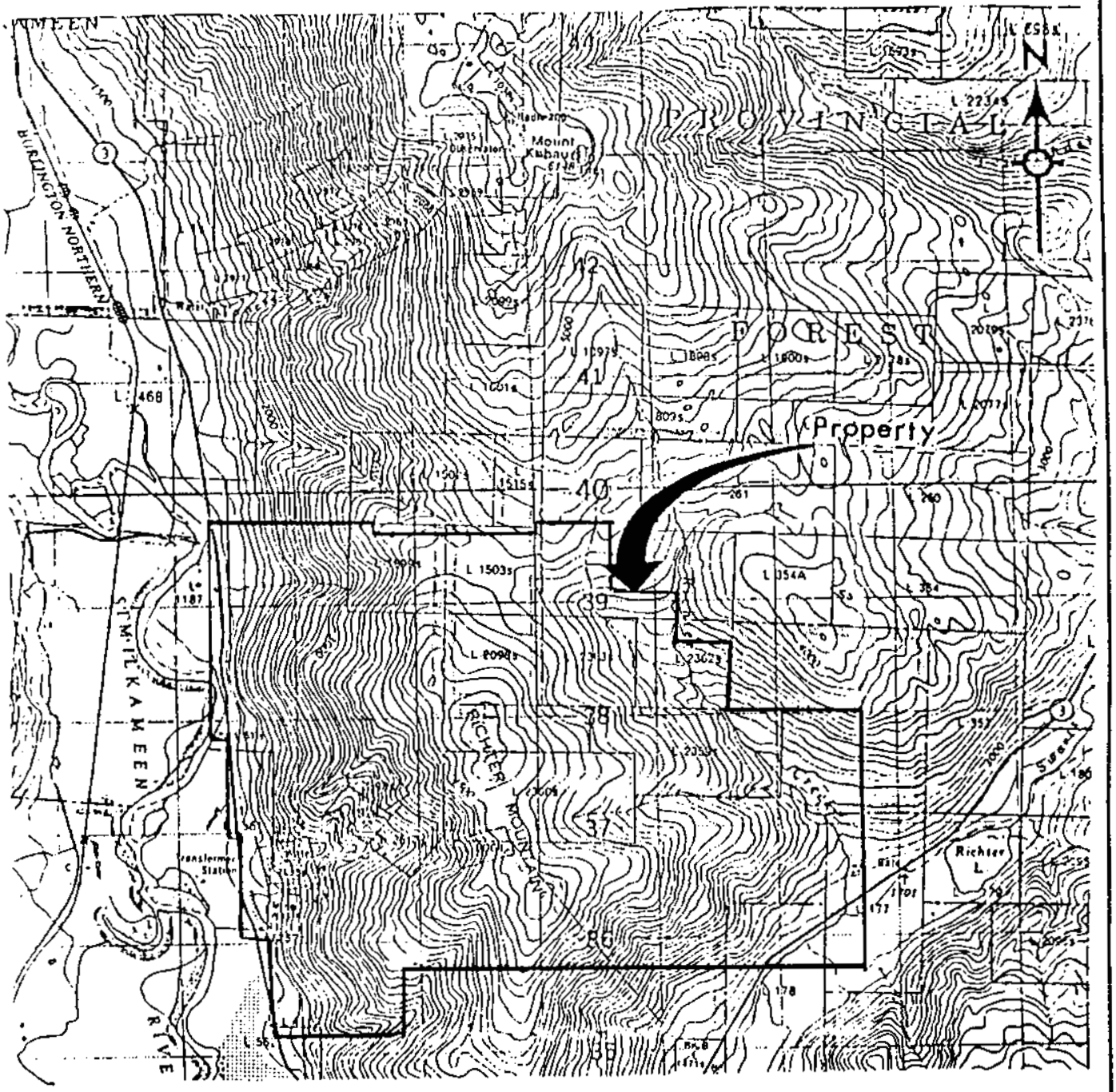
HORN SILVER & UTICA PROPERTY

KEREMEOS, B.C. N.T.S. 82E/4E

OSOYOOS MINING DIVISION

LOCATION MAP

SCALE : 1:7,500,000	FIG: 1
DRAWN BY: D.G.	DATE: Dec. 5, 87



DANKOE MINES LTD.

HORN SILVER & UTICA PROPERTY

KEREMEOS, B.C. N.T.S. 82E/4E

OSOYOOS MINING DIVISION

TOPOGRAPHY MAP

SCALE: 1:50,000	FIG: 2
DRAWN BY: D.O.	DATE: Dec. 5, 87

to the east at an elevation ranging between 609 to 1372 meters. The north-east and southern portions of the property are in a steep rugged terrain.

Below the 1000 meter elevation level vegetation is sparse, consisting mainly of grass and sage brush, with fir and pine being the principal trees above this level. The climate of the area is typical of southeastern British Columbia where the average precipitation is 20 to 25 centimeters of rain, with light snowfall. Freezing conditions do occur during part of December, January and February.

1.3 Property Description (Figure 3 and 3a)

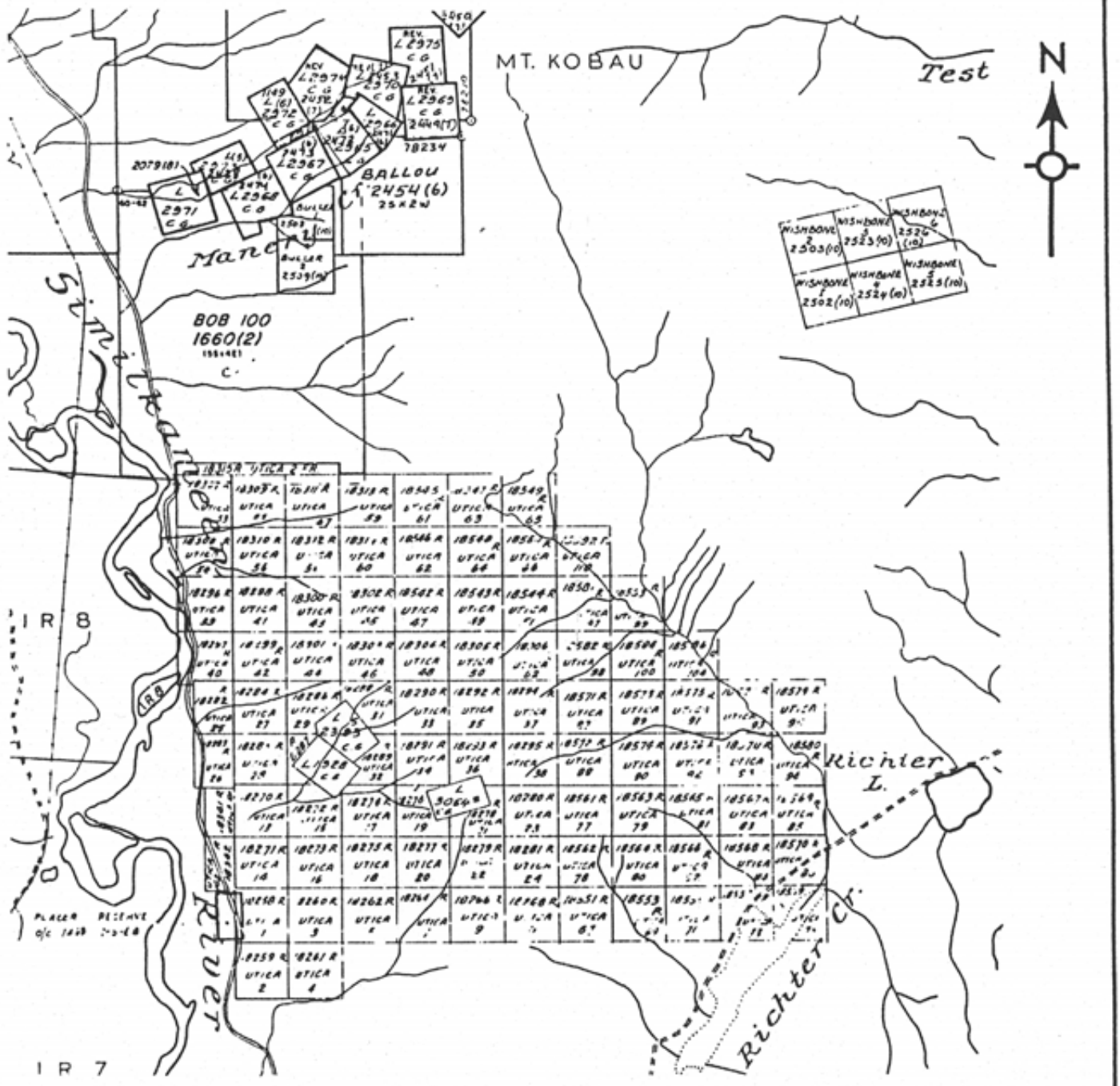
The Horn Silver property is located in the Osoyoos Mining District, British Columbia, NTS 82E/4E, and it encompasses a past-producing silver mine. The property consists of 95 re-grouped mineral claims (2 post claims) and 3 Crown-granted claims for a total of approximately 1000 hectares (2471.2 acres). The geographic coordinates of the property are 49° 03' North Latitude and 119° 41' West Longitude.

The property consists of the following claims:

CROWN GRANTS:

Horn Silver	Lot 1928
Silver Bell	Lot 23935
British	Lot 30645

Claim Group Name		Expiry Date
Utica	1 to 4, 13 to 19, 26, 28 to 30 32, 34, 101, 102	Dec 6, 1990



DANKOE MINES LTD.

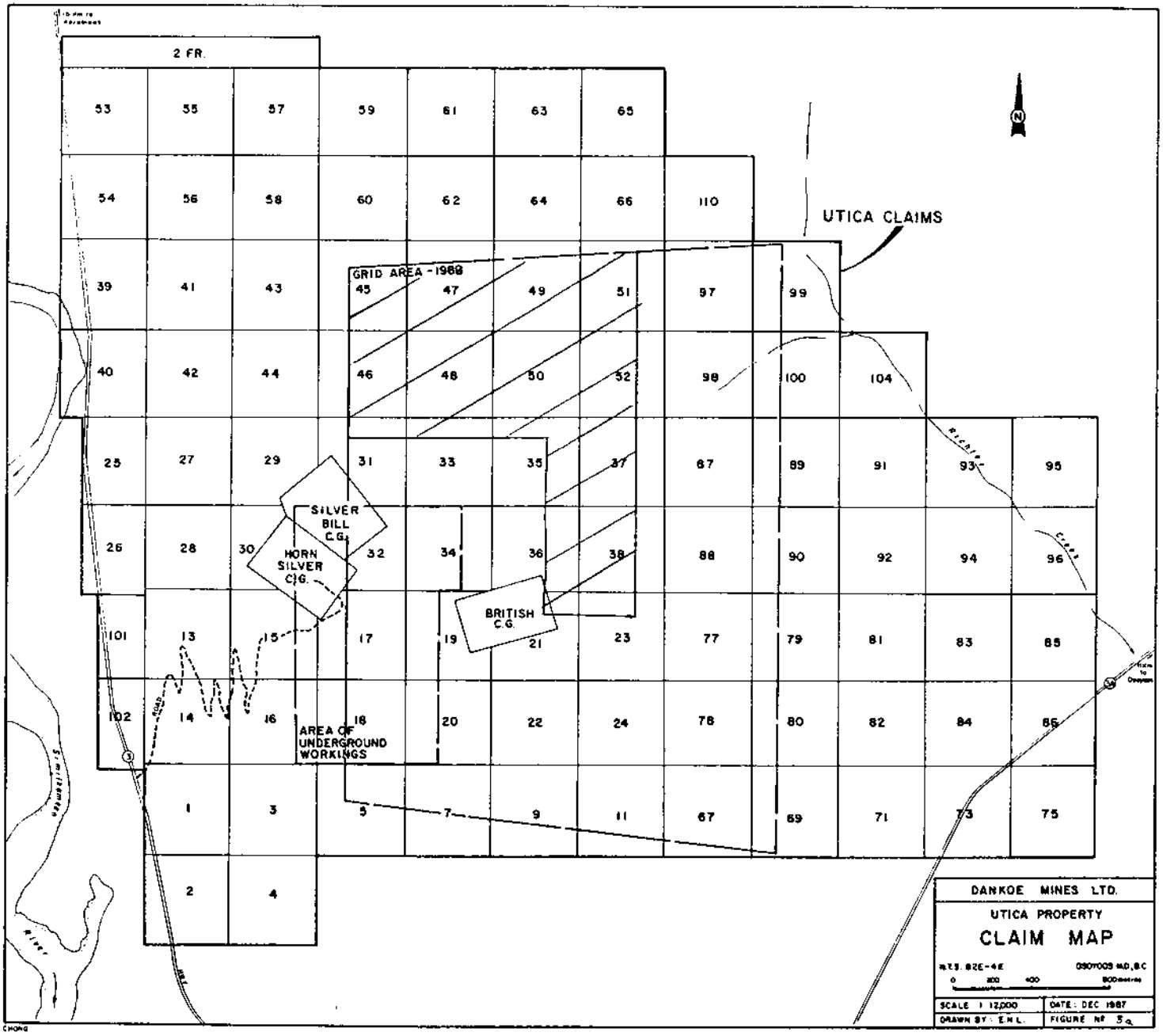
HORN SILVER & UTICA PROPERTY

KEREMEOS, B.C. N.T.S. 82E/4E

OSOYOOS MINING DIVISION

CLAIM MAP

SCALE: 1:50,000	FIG: 3
DRAWN BY: D.G.	DATE: Dec. 5, 87


2 FR.
53
55
57
59
61
63
65
54
56
58
60
62
64
66
110
UTICA CLAIMS
GRID AREA - 1988
39
41
43
45
47
49
51
97
99
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42
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48
50
52
98
100
104
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87
89
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93
95
SILVER BILL C.G.
HORN SILVER C.G.
26
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96
BRITISH C.G.
101
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77
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81
83
85
102
14
16
18
20
22
24
78
80
82
84
86
AREA OF UNDERGROUND WORKINGS
1
3
5
7
9
11
67
69
71
73
75
2
4
DANKOE MINES LTD.
UTICA PROPERTY
CLAIM MAP
SCALE 1:12,000
DATE: DEC 1987
DRAWN BY: E.H.L.
FIGURE Nº 3a

Utica	5, 6, 9, 11, 20 to 25, 27, 31 33, 34 to 46, 48, 50 52 to 60	Dec 6, 1989
	No. 2 Fraction	Dec 6, 1989
Utica	47, 49, 51, 61 to 67, 69, 71, 73 75, 77 to 100, 104, 110	Dec 19, 1989

The writer examined these claims in the field and checked at the Mine Recording Office in Vancouver and found all expiry dates to be Dec. 1988. All the claims are registered under Dankoe Mines Ltd.

1.4 Mining History

(A) Horn Silver Mine:

The first activity on the property was in 1901 when J. Hunter staked the discovery claim. In 1909, these claims were Crown-granted and the property was under development every year from 1914 to 1922. Between 1918-1920 the property was managed by the Condit Bros., of Similkameen and continued active operation with several hundred tons of good gold-silver ore being shipped between 1920 and 1927. In 1925, the Horn Silver Mining Corporation built a small mill which operated at 22 tons per day capacity. The mill, during its operation in 1926, milled only 700 tons.

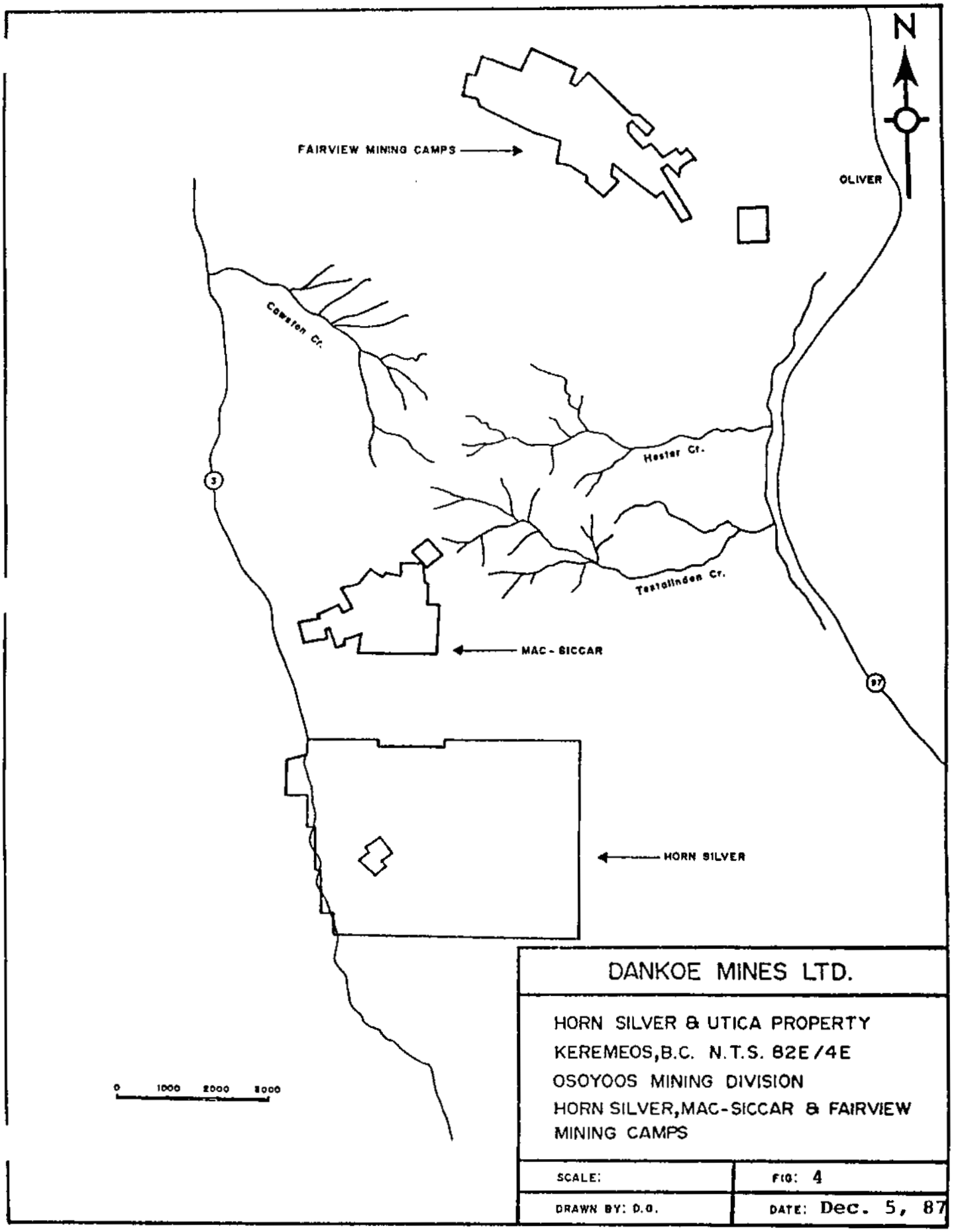
In 1927, the management and ownership of the Mine changed. The Horn Silver Mining Corporation took control and continued development work until 1930 when the mine was closed. The mine and mill equipment was removed by 1933.

In 1933, Madison Oils Ltd. took control of the Horn Silver Mine property, and no work was recorded until 1958 when Canada Radium Corp. Ltd. of Toronto, optioned the property and carried out a development and diamond drill program. A total production of 5,878 tons containing 682 oz gold, 249,090 oz silver, 131 lbs copper, 1,471 lbs lead and 85 lbs zinc.

In the following year, Santo Silver Mines Ltd. optioned the property and carried out surface diamond drill and re-sampling programs. The operation was suspended in September, 1959 and no records are available to the writer for the period between 1959 to 1964 when the property was optioned by Utica Mines Ltd. In 1965, a major development and construction program was carried out and included the building of a 400-ton per day Mill facility.

Low silver prices starting in 1967 resulted in the closure of the Mine in 1970, and in 1972 re-organization took place with the name of the company being changed to **Dankoe Mines Ltd.** In 1974, the silver prices improved and Dankoe Mines Ltd. re-opened the Mine and continued its operation until June, 1981 when low-grade ore and depressed silver prices caused the closure of the underground operation. The Mill facility was kept in good condition in an attempt to continue operations, and in 1985, the mill was in operation for a short period of time on a custom-milling basis.

Adjacent or nearby properties are the Mak-Siccar which recorded production during 1934, 35, 38 and 39 of 189 tons producing 189 tons of gold an 69 ozs of silver. The Fairview camp recorded production between 1898 and 1949 of 16,263 ozs of gold and 34,050 ozs of silver from 38,938 tons.



DANKOE MINES LTD.

HORN SILVER & UTICA PROPERTY
KEREMEOS, B.C. N.T.S. 82E/4E
OSOYOOS MINING DIVISION
HORN SILVER, MAC-SICCAR & FAIRVIEW MINING CAMPS

SCALE:	FIG: 4
DRAWN BY: D.G.	DATE: Dec. 5, 87

2.0 GEOLOGY

2.1 Regional Geology (Figure 5)

The geology of the centre part of Keremeos and Oliver has been described in a number of memoirs, company and government reports. In essence, the geology of this comprises carboniferous sequence of the Kobau group (Unit 3), which comprises of a great thickness of metamorphosed, stratified rocks mainly of sedimentary origin. The quartzite members are thinly-bedded and commonly micaceous or graphitic. There are also fine grained, siliceous, mica schists, and other containing chlorite, hornblended, graphite and talc. The associated greenstones are variously sheared, and in a few locations are greatly faulted. It is probable that slices of formations other than those represented are present.

The Kobau group (Unit 3) has been intruded by younger intrusive rocks at Jurassic or younger in age and comprised of granodiorite, diorite and syenite. The intrusive rocks of the area, with the exception of the Fairview (Unit 11b) and the Osoyoos (Unit 11a) bodies, indicate a succession from ultra-basic and alkaline to more siliceous types. The syenites (Unit 14) have been invaded and largely replaced by intrusions of granodiorite and granite. The diorite (Unit 13) and granodiorite (Unit 15), lying within the area of Oliver granite have been intruded by granite. Elsewhere, diorite is intruded by granodiorite.

The Osoyoos and Fairview intrusives (Units 11a and 11b) included types varying from granite to diorite, granodiorite and quartz diorite being the most abundant. Some of the small bodies mapped as diorite are like dioritic phases of the Osoyoos and Fairview intrusives and may be contemporaneous.

The age of Osoyoos and Fairview bodies relative to the intrusives in the area is not known, but they are believed to be older as they are more sheared and altered.

The gold veins of the Fairview camp and vicinity are grouped in a northwest trending belt and occur mainly in rocks of the Kobau group (Unit 3), and within 1.6 kilometers of the contact of Oliver granite (Unit 16a). Goldbearing veins are also found in this granite.

2.2 Property Geology

The Utica claim block is underlain by an east-west trending 2.0 km to 1.3 km wide band of Kruger Syenite (Unit 14a) bordered to the north by Kobau group (Unit 3) and on the south and west by a large mass of younger granodiorite (Unit 15). The Kobau group is itself bordered to the north by the Richter Mountain hornblendite (Unit 12a) Argentite, tetrahedrite, pyrargyrite, ceragyrite, native silver, galena, sphalerite, pyrite. Irregular bodies of pyroxenitic hornblendite occur scattered through the monzonite and have replaced the ore in locations undergound. Several similar dykes were noted on surface and appear to be related to magnetic highs and VLF cross overs. Narrow syenitic pegmatite dykes have been cut and displaced by the veins in the mine, some of these were also observed on surface.

3.0 SURVEY PROCEDURES AND RESULTS

During November, 1988, a geochemical soil sample survey was carried out on the Utica claim block. Samples were collected at 25m and 50m intervals from the "B" horizon 15cm to 30cm in depth. A total of 279 samples were collected and sent to Acme

Analytical Laboratories in Vancouver, B.C. All samples were analysed by ICP for 30 elements and by atomic absorption for gold. Figure 3A outlines area sampled. Anomalous results were chosen to be the mean plus 2 standard deviations above the mean.

Results and Interpretation

Gold (PPB)

Mean	7
M + S	27
M + 2S	47
Minimum	1
Maximum	260

Three samples were found to be anomalous, all of which were above 100 ppb. The derived mean of 7 ppb is slightly higher than the 2 + 6 ppb range commonly found in unmineralized areas.

Gold anomalies (Au $\geq$ 47 ppb) Fig.

Sample #	Cu PPB	As PPM	Zn PPM	Pb PPM	Ag PPM	Au PPM
L10+00E - 10+50N	60	8	63	8	.2	260
L14+00E - 10+75N	32	5	64	7	.2	123
L18+00E - 14+75N	49	10	60	11	.1	121

Silver (PPM)

Mean	.2
M + S	.4
M + 2S	.6
Minimum	.1
Maximum	1.4

Six samples were found to be anomalous, five of which were above 1.0 ppm.

Silver anomalies (Ag $>$ .6 ppm) Fig.

Sample #	Cu PPM	As PPM	Zn PPM	Pb PPM	Ag PPM	Au PPb
L4+25E - 11+75N	205	179	157	17	1.1	10
L6+00E - 15+00N	55	8	66	10	1.0	2
L10+00E - 6+00N	96	80	92	11	1.1	8
L14+00E - 9+00N	39	7	83	13	.8	1
L14+00E - 2+00S	63	9	119	18	1.1	10
L16+00E - 6+00N	79	9	87	16	1.3	5

Copper (PPM)

Mean	69
M + S	99
M + 2S	129
Minimum	23
Maximum	205

Thirteen copper samples have been classified as anomalous.

Copper Anomalies (Cu > 129 ppm) Fig. 8

Sample #	Cu PPM	As PPM	Zn PPM	Pb PPM	Ag PPM	Au PPb
L4+25E - 14+25N	159	8	58	8	.1	3
L4+25E - 13+50N	140	6	62	10	.3	4
L4+25E - 13+25N	146	5	55	11	.2	6
L4+25E - 13+00N	148	4	62	7	.3	4
L4+25E - 12+75N	134	9	65	10	.3	1
L4+25E - 12+00N	150	45	125	15	.2	14
L4+25E - 11+75N	205	179	157	17	1.1	10
L4+25E - 11+25N	157	41	131	19	.4	6
L4+25E - 10+75N	160	263	144	16	1.0	42
L4+25E - 10+50N	157	34	124	13	.3	4
L4+25E - 10+00N	140	70	93	8	.4	1
L4+25E - 9+75N	177	98	132	15	.2	3
L6+00E - 13+75N	147	5	73	9	.1	1

Arsenic (PPM)

Mean	13
M + S	24
M + 2S	35
Minimum	2
Maximum	263

Arsenic anomalies (As > 35 ppm) Fig.

Sample #	Cu PPM	As PPM	Zn PPM	Pb PPM	Ag PPM	Au PPb
L4+25E - 12+00N	150	45	125	15	.2	14
L4+25E - 11+75N	205	179	157	17	1.1	10
L4+25E - 11+25N	157	41	131	19	.4	6
L4+25E - 10+75N	160	263	144	16	1.0	42
L4+25E - 10+00N	140	70	93	8	.4	1
L4+25E - 9+75N	177	98	132	15	.2	1
L6+00E - 8+50N	105	36	75	11	.4	58
L6+00E - 7+25N	69	41	85	11	.2	3
L10+00E - 7+50N	67	40	94	15	.2	2
L10+00E - 6+00N	96	80	92	11	1.1	8
L10+00E - 5+50N	76	41	100	11	.6	3
L20+00E - 5+00N	136	39	93	11	.9	10

A total of 12 samples are anomalous for arsenic.

Lead (PPM)

Mean	10
M + S	13
M + 2S	16
Minimum	3
Maximum	19

Only four lead samples are considered anomalous.

Lead Anomalies (Pb > 16 ppm)

Sample #	Cu PPM	As PPM	Zn PPM	Pb PPM	Ag PPM	Au PPb
L4+25E - 11+75N	205	179	157	17	1.1	10
L4+25E - 11+25N	157	41	131	19	.4	6

L6+00E - 14+00N	104	8	65	17	.2	4
L14+00E - 2+00S	63	9	119	18	1.1	10

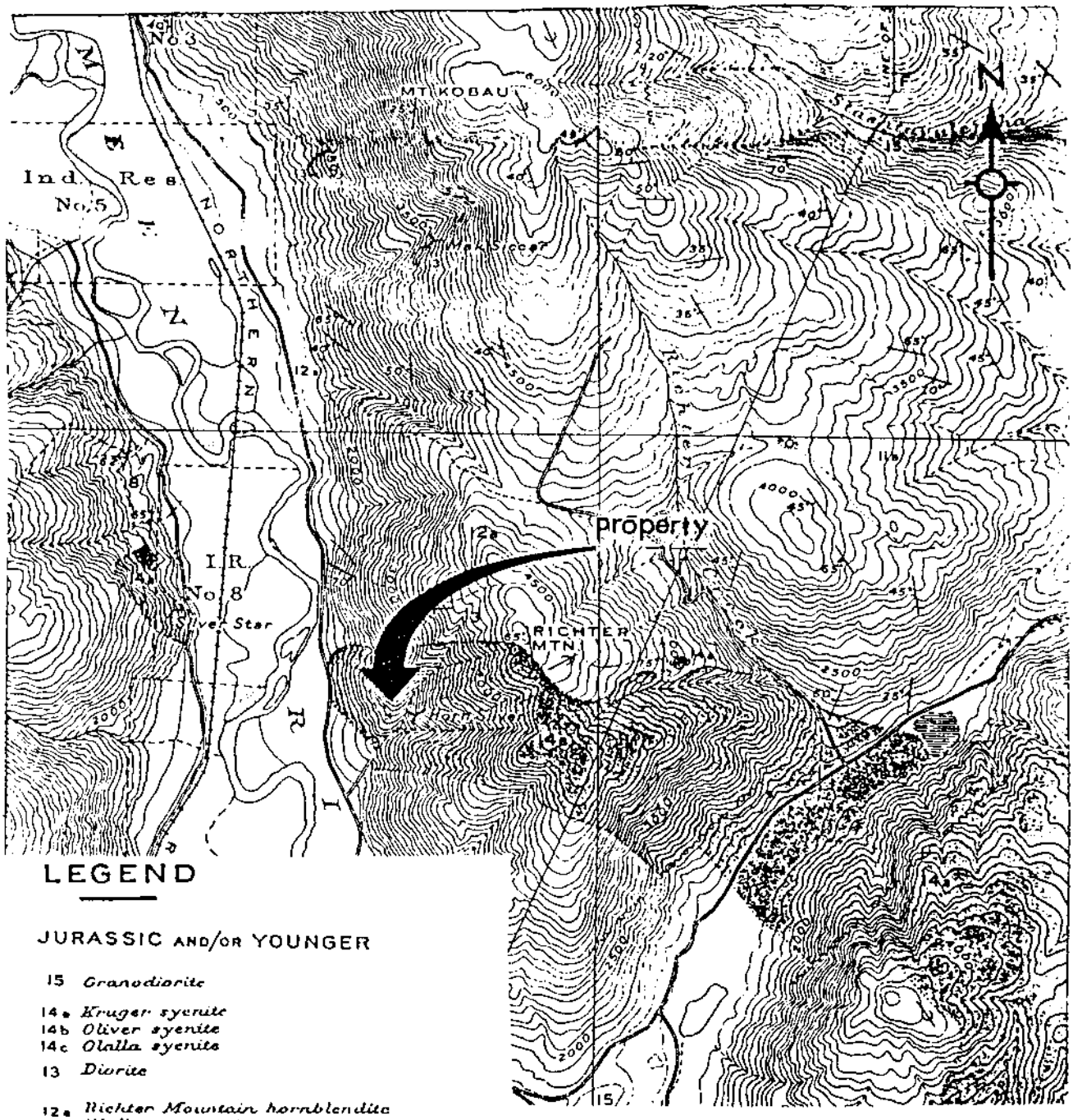
Zinc (PPM)

Mean	78
M + S	97
M + 2S	116
Minimum	49
Maximum	204

A total of 14 samples were found to be anomalous for zinc, only one of which was above 200 ppm.

Zinc Anomalies (Zn > 116 ppm) Fig. 7

Sample #	Cu PPM	As PPM	Zn PPM	Pb PPM	Ag PPM	Au PPb
L4+25E - 12+00N	150	45	125	15	.2	14
L4+25E - 11+75N	205	179	157	17	1.1	10
L4+25E - 11+25N	157	41	131	19	.4	6
L4+25E - 10+75N	160	263	144	16	1.0	42
L4+25E - 10+50N	157	34	124	13	.3	4
L4+25E - 9+75N	177	98	132	15	.2	3
L4+25E - 9+50N	66	19	204	10	.3	1
L6+00E - 7+00N	69	12	120	9	.2	1
L8+00E - 9+75N	111	33	135	9	.2	6
L8+00E - 7+50N	126	5	118	12	.1	1
L12+00E - 7+00N	70	5	134	11	.1	1
L12+00E - 0+50N	86	11	134	8	.3	4
L14+00E - 1+50S	43	5	138	8	.3	25
L14+00E - 2+00S	63	9	119	18	1.1	10



LEGEND

JURASSIC AND/OR YOUNGER

15 *Granodiorite*

14a *Kruger syenite*
14b *Oliver syenite*
14c *Olalla syenite*

13 *Diorite*

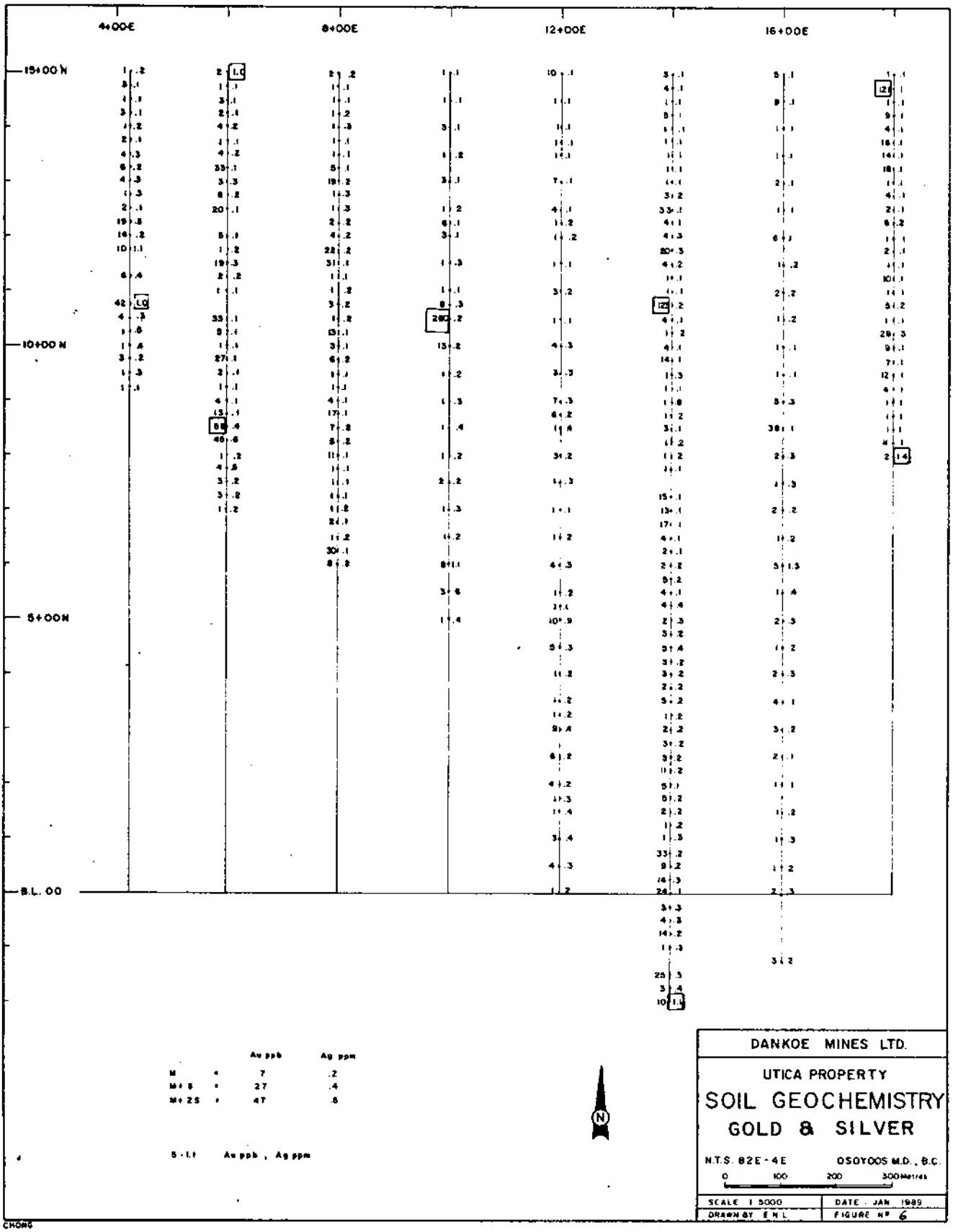
12a *Richter Mountain hornblendite*
12b *Olalla pyroxenite*

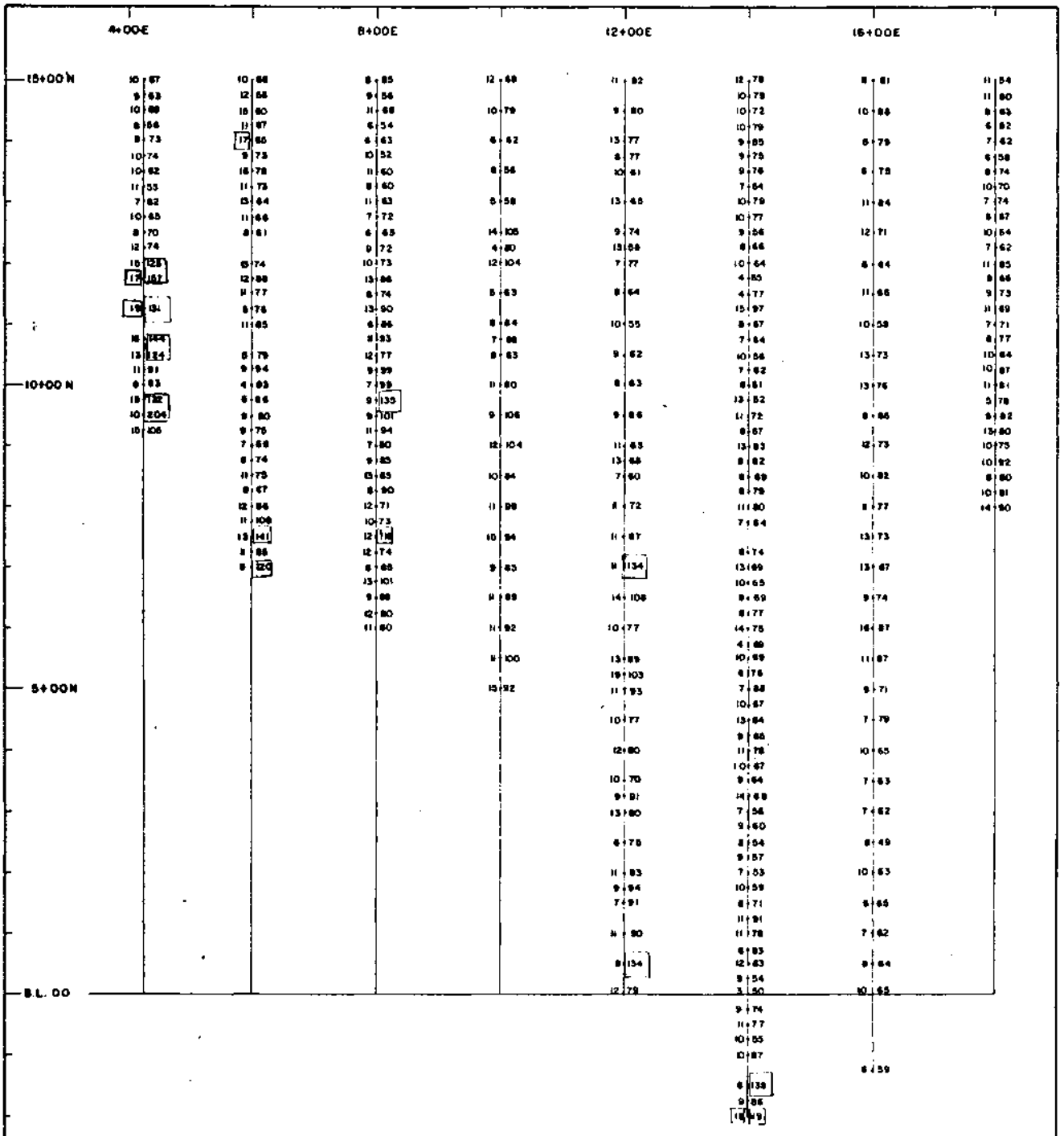
11a *Osoyoos granodiorite and associated rock types*
11b *Fairview granodiorite and associated rock types*

CARBONIFEROUS

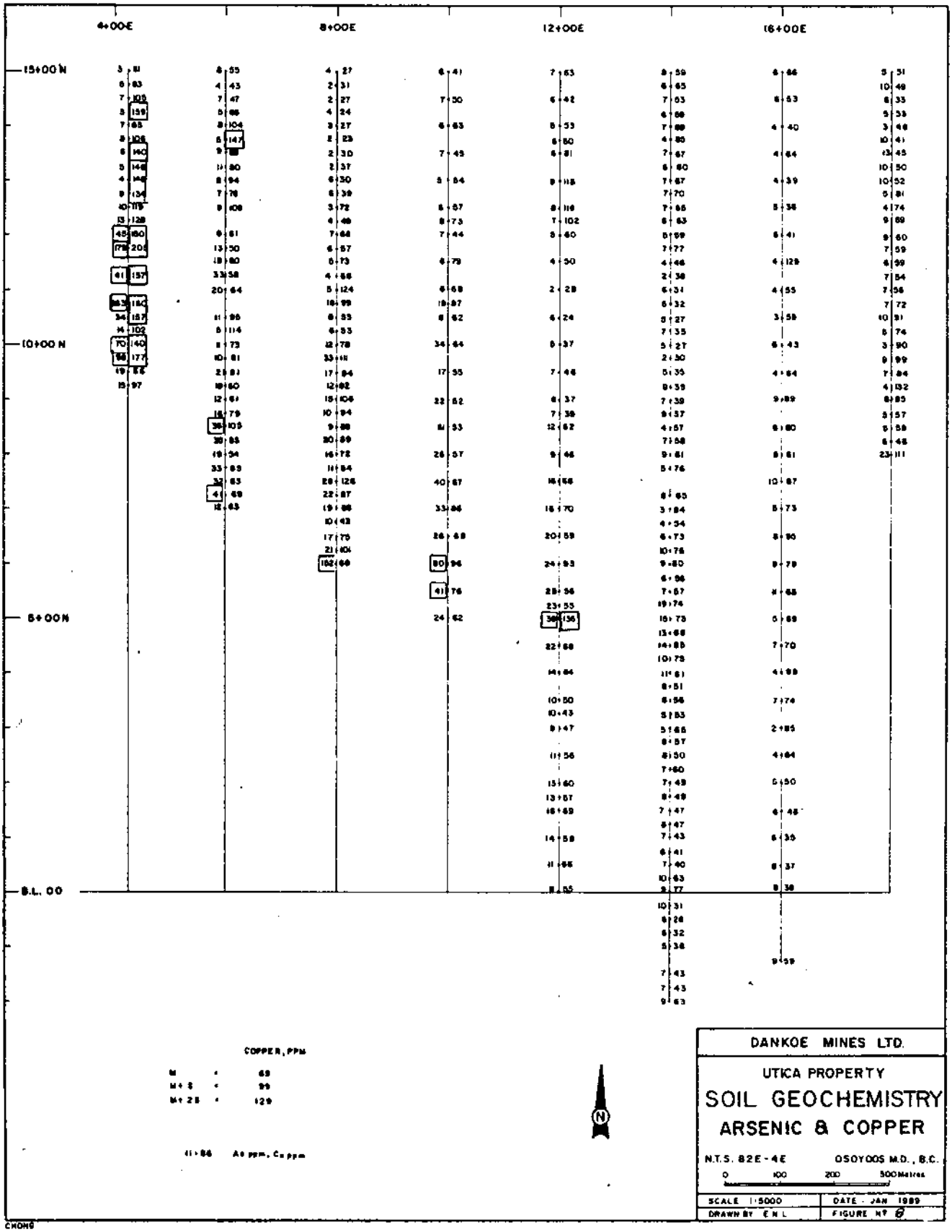
3 KOBAU GROUP
Quartzite, schist, greenstone

DANKOE MINES LTD.	
HORN SILVER & UTICA PROPERTY KEREMEOS, B.C. N.T.S. 82E/4E OSOYOOS MINING DIVISION REGIONAL GEOLOGY MAP	
SCALE: 1": 1 MILE	FIG: 5
DRAWN BY: D.G.	DATE: Dec. 5, 87


4+00E
8+00E
12+00E
16+00E
15+00 N
10+00 N
5+00N
B.L. 00
Au ppb
Ag ppm
M = 7 .2
M+S = 27 .4
M+2S = 47 .6
S - Lt Au ppb , Ag ppm
N
DANKOE MINES LTD.
UTICA PROPERTY
SOIL GEOCHEMISTRY
GOLD & SILVER
N.T.S. 82E - 4E
OSOYOOS M.D., B.C.
0 100 200 300 Metres
SCALE 1:5000
DATE JAN 1989
DRAWN BY E.N.L.
FIGURE Nº 6


4+00E
8+00E
12+00E
16+00E
15+00 N
10+00 N
5+00 N
B.L. 00
LEAD, PPM
ZINC, PPM
M
M+ 8
M+ 25
10
78
13
97
16
116
11 : 83 Pb ppm , Zn ppm
N
DANKOE MINES LTD.
UTICA PROPERTY
SOIL GEOCHEMISTRY
LEAD & ZINC
N.T.S. 82E-4E
OSOYOOS M.D., B.C.
0 100 200 300 Metres
SCALE 1:5000
DATE JAN 1989
DRAWN BY E.N.L.
FIGURE NO. 7

CHONG


4+00E
8+00E
12+00E
16+00E
15+00 N
10+00 N
5+00 N
B.L. 00
COPPER, PPm
M < 69
M+S < 99
M+2S < 129
41+86 As ppm, Cu ppm
N
DANKOE MINES LTD.
UTICA PROPERTY
SOIL GEOCHEMISTRY
ARSENIC & COPPER
N.T.S. 82E-4E
OSOYOOS M.D., B.C.
0 100 200 500 Metres
SCALE 1:5000
DATE JAN 1989
DRAWN BY E.N.L.
FIGURE Nº 6
CHONG

Discussion

Using the formula greater than M + 2S as being anomalous produced scattered anomalous results with the exception of line 4+25E. This line produced, with exception of gold, consistent results for all metals recorded.

4.0 MINERALIZATION AND STRUCTURE

The silver bearing veins are mainly quartz with some calcite with the main economic mineral being argentiferous pyrite with minor native silver and acamthite, some galena, chalcopyrite and sphalerite are also present.

The mineralized veins exposed in the Mine generally strike easterly or south easterly and dip from 0° to 30° south. To the east these structures intersect a vein striking north 15° - 40° east and dip 30° - 40° to the southeast. Numerous small faults exist in the Mine and have been noted on surface as well. The most significant fault is located on the extreme east end of the workings and strikes northeast and dips 55° to the west. This fault has displaced the ore beyond the fault and ore has never been relocated.

5.0 COST STATEMENT

Contract to collect soil samples re-chain and re-flag lines as necessary.

Collect 279 samples @ $8.00/sample incl. supplies travel, food & accommodations	$2,232.00
Assay 30 element ICP and gold by AA 279 @ $11.60	3,236.40
Sample Delivery (Vancouver)	15.60
Geologist Supervision 2 days @ $250.00/day	500.00
Prepare Report including plotting, drafting, and word processing	2,500.00
TOTAL	$8,484.00

6.0 CONCLUSIONS AND RECOMMENDATIONS

The survey has produced sufficient positive results to justify further work.

The anomalies, although scattered, throughout the grid area and in some cases are spatially related to VLF-EM conductors. It is recommended that the mean and standard deviation be re-calculated leaving out those exceptionally high results which are inconsistent with general results. Also recommended is detailed VLF-EM survey and geochemical sampling be conducted in and around those anomalous areas located by the geochem survey. Also the anomalies should be examined on surface with view for possible contamination from old workings.

7.0 BIBLIOGRAPHY

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E.N. Larabie, P.Eng., 1981: Report on the Horn Silver Mine, Dankoe Mines Ltd.

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D.W. Pringle, P. Eng. 1984: Report on Horn Silver Mine, Dankoe Mines Ltd.

Personal Communication with previous Mine Manager E.N. Larabie, P.Eng. of Dankoe Mines Ltd.

Review of some Company data and maps relating to the surface work on Utica claims.

8.0 CERTIFICATE OF QUALIFICATIONS

I, EUGENE N. LARABIE OF 332 St. Patrick Avenue, North Vancouver, British Columbia, hereby certify that:

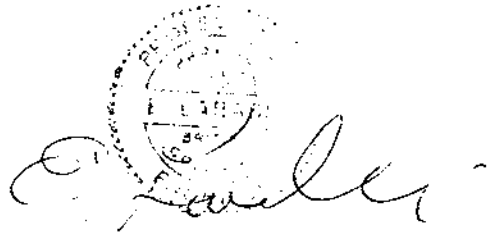
1. I am a Consulting Engineer and President of Laroth Engineering Ltd., with an office at Suite 405, 595 Howe Street, Vancouver, British Columbia.

2. I am a Professional Engineer registered in British Columbia and Ontario.

3. I have practiced my profession since 1957 and have held several positions of responsibility in the mining and mining exploration field throughout Canada and the U.S.A.

4. That I personally supervised the 1987 work program described in this report.

5. And that I reviewed all pertinent data available.



Eugene N. Larabie, P.Eng.

January 25, 1989

APPENDIX '' A ''

Analytical Results

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)25. 716

GEOCHEMICAL ANALYSIS CERTIFICATE

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: NOV 9 1988 DATE REPORT MAILED: Nov 16/88 SIGNED BY .....D.TOYE, C.LEONG, B.CHAN, J.WANG: CERTIFIED B.C. ASSAYERS

LAROTH ENGINEERING LTD. PROJECT DKO File # 88-5746 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
L4+25E 15+00N	1	111	10	67	.2	177	25	625	6.11	2	5	ND	1	46	1	2	2	181	1.02	.241	5	108	1.72	135	.13	2	2.09	.03	.56	1	1
L4+25E 14+75N	1	83	9	63	.1	51	17	559	5.43	5	5	ND	2	50	1	2	2	148	.73	.141	3	66	.95	173	.11	2	1.77	.02	.42	1	3
L4+25E 14+50N	1	105	10	69	.1	53	19	662	5.33	7	5	ND	2	53	1	2	2	139	.82	.137	10	71	.93	232	.12	3	1.94	.02	.42	1	1
L4+25E 14+25N	1	159	6	56	.1	61	23	587	5.99	5	5	ND	1	64	1	2	2	163	1.01	.177	7	83	1.05	291	.12	2	1.70	.01	.43	1	2
L4+25E 14+00N	1	85	9	72	.2	37	16	763	4.56	7	5	ND	1	65	2	2	2	114	1.00	.166	10	52	.71	304	.09	2	1.83	.02	.31	1	1
L4+25E 13+75N	1	126	10	74	.1	55	20	839	4.67	6	5	ND	1	62	1	2	2	112	.84	.153	10	65	.85	256	.12	4	1.11	.02	.36	1	2
L4+25E 13+50N	1	140	10	62	.2	46	21	616	5.55	6	5	ND	2	53	1	2	2	131	.82	.144	9	51	.69	189	.12	2	1.58	.03	.46	1	4
L4+25E 13+25N	1	116	11	55	.2	43	20	576	5.79	5	5	ND	1	59	1	2	2	152	1.01	.157	6	48	.81	175	.11	2	1.61	.03	.35	1	6
L4+25E 13+00N	1	148	7	60	.3	41	21	612	5.93	4	5	ND	2	55	1	2	2	153	1.00	.156	9	65	.82	186	.11	3	1.74	.03	.35	1	4
L4+25E 12+75N	1	134	10	65	.2	44	22	619	5.29	9	5	ND	2	54	1	2	2	160	.84	.157	8	69	.83	190	.12	2	1.67	.03	.39	1	1
L4+25E 12+50N	1	119	8	70	.1	42	20	738	5.70	10	5	ND	1	56	1	2	2	137	.88	.165	9	62	.79	265	.11	3	1.84	.03	.40	1	2
L4+25E 12+25N	1	128	12	74	.3	52	20	719	6.06	13	5	ND	2	51	1	2	2	146	.70	.097	13	75	.96	161	.15	2	1.95	.02	.43	1	19
L4+25E 12+00N	1	150	15	125	.2	85	32	1556	6.22	45	5	ND	4	57	1	2	2	139	.70	.136	14	128	1.53	430	.18	2	2.79	.02	1.43	1	14
L4+25E 11+75N	2	205	17	157	1.1	120	35	2497	6.61	173	5	ND	4	97	1	2	2	113	.70	.125	16	169	1.78	266	.15	2	2.92	.02	1.26	1	10
L4+25E 11+50N	1	157	19	131	.4	63	15	1240	5.99	41	5	ND	4	55	1	2	2	100	.43	.064	13	89	1.31	265	.20	3	2.88	.02	1.31	1	6
L4+25E 11+25N	1	160	16	144	1.0	57	19	824	6.64	263	5	ND	2	105	1	2	2	117	.73	.073	12	86	1.32	152	.23	2	2.79	.02	1.33	1	42
L4+25E 10+50N	2	157	13	124	.3	65	22	877	6.05	34	5	ND	2	54	1	2	2	116	.63	.087	9	89	1.31	276	.24	3	2.97	.03	1.42	1	4
L4+25E 10+25N	1	102	12	91	.5	55	19	764	5.89	14	5	ND	1	61	1	2	1	120	.56	.037	3	88	1.16	192	.26	2	2.55	.02	1.23	1	1
L4+25E 10+00N	3	140	8	93	.4	64	15	763	5.32	70	5	ND	2	124	1	2	2	133	.46	.112	12	79	1.14	304	.25	2	2.68	.04	1.72	1	1
L4+25E 9+75N	1	177	15	132	.2	91	17	1008	5.91	98	5	ND	3	92	1	2	2	107	.49	.080	14	87	1.38	224	.22	3	3.35	.02	1.34	1	3
L4+25E 9+50N	1	66	10	204	.2	42	11	693	3.95	19	5	ND	2	72	1	2	2	77	.78	.064	11	44	.72	139	.15	9	2.26	.03	.48	1	1
L4+25E 9+25N	1	97	15	595	.1	34	16	978	5.19	15	5	ND	2	62	1	2	2	116	1.06	.020	15	51	1.03	194	.19	2	2.45	.03	1.02	1	1
L6+00E 15+00N	1	55	10	66	1.0	32	14	881	3.22	8	5	ND	1	45	1	2	2	65	.55	.127	12	37	.71	274	.11	2	2.05	.02	.25	1	2
L6+00E 14+75N	1	43	12	58	.1	32	14	1009	3.41	4	5	ND	1	46	1	2	2	71	.60	.071	11	40	.74	288	.12	4	2.14	.02	.29	1	1
L6+00E 14+50N	1	47	15	61	.1	31	14	766	3.76	7	5	ND	2	47	1	2	2	82	.60	.072	12	41	.77	196	.13	4	2.03	.02	.32	1	3
L6+00E 14+25N	1	65	11	67	.1	33	16	672	3.90	5	5	ND	1	64	1	2	2	83	.91	.123	12	42	.85	267	.13	6	1.93	.02	.35	1	2
L6+00E 14+00N	1	104	17	65	.2	40	19	771	4.96	8	5	ND	2	62	1	2	2	127	.96	.158	10	54	1.02	210	.16	2	1.72	.02	.37	1	4
L6+00E 13+75N	1	147	9	73	.1	51	18	792	3.54	5	5	ND	1	52	1	2	2	73	.94	.145	9	48	.84	312	.08	2	2.20	.02	.25	1	1
L6+00E 13+50N	1	68	15	78	.2	35	15	1006	3.46	9	5	ND	1	89	1	2	2	69	1.21	.179	16	43	.79	351	.08	5	1.95	.01	.37	1	4
L6+00E 13+25N	1	80	11	73	.1	40	18	953	3.95	11	5	ND	1	60	1	2	2	81	.97	.145	15	51	.93	270	.10	3	1.87	.01	.46	1	33
L6+00E 13+00N	1	94	13	84	.3	50	19	1270	3.85	8	5	ND	1	57	1	2	2	81	.96	.154	11	57	.97	512	.10	3	2.24	.01	.33	1	3
L6+00E 12+75N	1	76	11	66	.2	38	17	842	3.74	7	5	ND	1	81	1	2	2	81	1.08	.159	12	46	.74	313	.08	2	1.68	.02	.28	2	3
L6+00E 12+50N	1	109	5	61	.1	43	21	704	4.96	9	5	ND	2	60	1	2	2	117	.91	.144	12	59	.90	203	.11	2	1.63	.02	.36	1	20
L6+00E 12+00N	1	61	13	74	.2	42	16	755	4.07	3	5	ND	1	55	1	2	2	95	.90	.110	11	49	.73	174	.10	3	1.85	.02	.24	1	5
L6+00E 11+75N	1	50	12	66	.2	36	15	1126	3.65	12	5	ND	2	59	1	2	2	78	.76	.235	11	42	.67	389	.10	3	2.01	.02	.22	1	1
L6+00E 11+50N	1	69	11	77	.2	35	16	830	3.67	19	5	ND	1	59	1	2	2	73	.65	.141	13	45	.80	292	.09	3	1.78	.02	.36	1	19
STD C/AU-S	17	59	42	132	6.9	68	30	1026	4.13	40	19	8	39	49	19	19	19	60	.49	.094	40	55	.89	181	.07	34	2.02	.06	.14	12	47

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
L6+00E 11+25N	1	56	5	76	.2	34	16	962	3.55	32	5	ND	1	55	1	2	2	70	.76	.137	14	43	.83	321	.09	2	2.05	.01	.28	1	2
L6+00E 11+00N	1	64	11	85	.2	52	19	866	3.88	20	5	ND	1	51	1	2	2	84	.74	.145	12	57	.93	287	.10	5	1.80	.02	.47	1	1
L6+00E 10+50N	1	95	5	79	.1	50	21	753	4.89	11	5	ND	2	50	1	2	2	106	.71	.145	12	67	1.21	230	.13	2	2.01	.02	.68	1	33
L6+00E 10+25N	2	114	9	97	.2	51	20	690	5.12	5	5	ND	2	54	1	3	2	92	.58	.169	13	63	1.42	289	.21	2	2.32	.01	1.34	1	5
L6+00E 10+00N	1	75	4	83	.1	42	18	738	4.14	11	5	ND	1	59	1	2	2	85	.76	.151	13	56	.87	285	.11	4	2.01	.02	.44	1	1
L6+00E 9+75N	1	61	6	86	.1	36	15	725	3.77	19	5	ND	1	63	1	2	2	81	.85	.156	11	46	.73	293	.08	2	1.81	.01	.36	1	27
L6+00E 9+50N	1	81	9	60	.1	40	13	789	4.37	21	5	ND	2	55	1	2	2	94	.75	.147	13	51	.85	276	.10	2	1.97	.02	.48	1	2
L6+00E 9+25N	1	60	9	75	.1	35	15	681	3.83	18	5	ND	1	56	1	2	2	84	.75	.139	11	44	.70	231	.08	3	1.74	.01	.37	1	1
L6+00E 9+00N	1	61	7	66	.1	35	15	628	3.66	12	5	ND	1	53	1	2	2	80	.69	.126	11	45	.69	210	.09	2	1.72	.01	.37	1	4
L6+00E 8+75N	1	79	8	74	.1	44	18	717	4.30	16	5	ND	1	53	1	2	2	95	.72	.136	11	60	.82	244	.13	2	1.76	.01	.43	1	12
L6+00E 8+50N	1	105	11	75	.4	50	21	747	4.68	36	5	ND	2	45	1	2	2	110	.59	.135	11	68	1.01	195	.13	2	1.87	.01	.55	1	58
L6+00E 8+25N	1	93	8	67	.6	43	19	614	4.93	35	5	ND	2	43	1	2	2	111	.57	.127	11	66	.91	166	.12	3	1.74	.02	.47	1	45
L6+00E 8+00N	1	54	12	86	.2	31	13	1087	3.52	19	5	ND	2	68	1	2	2	72	.66	.089	10	42	.64	297	.10	3	1.93	.01	.31	1	1
L6+00E 7+75N	1	65	11	108	.6	23	12	1202	3.33	33	5	ND	2	79	1	2	2	70	.88	.114	11	33	.26	284	.10	3	2.06	.02	.33	1	4
L6+00E 7+50N	1	63	10	114	.2	20	12	814	3.44	30	5	ND	1	87	1	2	2	72	.87	.159	16	29	.75	180	.11	2	2.41	.02	.19	1	3
L6+00E 7+25N	1	69	11	85	.2	22	10	735	2.82	42	5	ND	1	67	1	2	2	57	.58	.155	10	27	.65	151	.11	3	2.63	.02	.19	1	2
L6+00E 7+00N	1	61	9	120	.2	25	9	281	2.31	12	5	ND	2	51	1	2	2	42	.41	.324	8	22	.38	263	.10	2	2.37	.02	.16	1	1
L3+00E 15+00N	1	37	6	65	.2	25	9	580	2.39	4	5	ND	2	37	1	2	2	46	.36	.157	9	28	.47	248	.08	2	1.72	.01	.14	1	2
L3+00E 14+75N	1	21	5	56	.1	26	12	481	2.76	2	5	ND	2	43	1	3	2	57	.36	.115	15	32	.59	133	.09	2	1.64	.01	.15	1	2
L8+00E 14+50N	1	27	11	66	.1	25	10	549	2.45	2	5	ND	2	41	1	2	2	45	.37	.147	11	28	.52	243	.09	2	1.76	.01	.17	1	1
L8+00E 14+25N	1	24	6	54	.2	21	8	570	2.16	4	5	ND	2	38	1	2	2	44	.37	.145	10	24	.44	241	.08	5	1.70	.01	.15	1	1
L8+00E 14+00N	1	27	6	63	.3	23	9	687	2.32	3	5	ND	2	40	1	2	2	46	.40	.193	9	26	.44	286	.08	2	1.74	.01	.15	1	1
L8+00E 13+75N	1	23	10	52	.1	21	9	649	2.36	2	5	ND	2	45	1	2	2	49	.43	.103	11	27	.46	206	.09	2	1.70	.01	.17	1	1
L8+00E 13+50N	1	30	11	60	.1	24	10	536	2.55	2	5	ND	2	46	1	2	2	54	.42	.130	14	30	.49	175	.08	2	1.66	.01	.13	1	1
L8+00E 13+25N	1	37	8	66	.1	26	10	564	2.52	2	5	ND	3	47	1	2	2	52	.45	.187	13	31	.54	262	.09	2	1.73	.01	.18	1	5
L8+00E 13+00N	1	30	11	63	.2	27	10	765	2.48	6	5	ND	2	41	1	2	2	50	.45	.125	11	29	.49	194	.08	2	1.85	.01	.14	1	19
L8+00E 12+75N	1	39	7	72	.3	30	10	694	2.47	6	5	ND	2	31	1	2	2	50	.25	.240	9	29	.46	311	.08	5	1.94	.01	.14	1	1
L8+00E 12+50N	1	72	6	65	.3	36	13	680	2.95	3	5	ND	2	36	1	2	2	66	.44	.160	7	26	.53	306	.08	2	1.73	.01	.12	1	1
L8+00E 12+25N	1	49	9	72	.2	32	13	1067	2.86	4	5	ND	1	25	1	2	2	55	.40	.174	8	35	.58	364	.08	2	1.70	.01	.17	1	2
L8+00E 12+00N	1	88	10	73	.2	39	18	1026	3.74	7	5	ND	1	54	1	2	2	81	.72	.142	8	48	.76	396	.09	2	1.54	.01	.21	1	4
L8+00E 11+75N	1	57	13	88	.2	36	15	923	3.21	6	5	ND	1	59	1	2	2	65	.68	.171	10	38	.67	321	.07	2	1.80	.01	.21	1	22
L8+00E 11+50N	1	72	9	74	.1	42	16	786	3.17	5	5	ND	1	84	1	2	2	66	.82	.148	10	45	.77	322	.06	4	1.72	.01	.29	1	31
L8+00E 11+25N	1	56	12	90	.1	25	14	833	2.76	4	5	ND	1	67	1	2	2	57	1.06	.149	10	36	.66	307	.05	5	1.68	.01	.25	1	1
L8+00E 11+00N	1	124	6	86	.2	51	21	865	3.83	5	5	ND	1	79	1	2	2	78	.75	.149	9	54	1.04	393	.08	3	1.77	.01	.42	1	1
L8+00E 10+75N	1	99	11	113	.2	43	19	1222	3.43	16	5	ND	1	77	1	2	2	63	1.21	.137	11	45	.83	346	.06	4	1.77	.01	.41	1	3
L8+00E 10+50N	1	53	12	77	.2	33	13	1086	3.79	8	5	ND	1	62	1	2	2	53	.73	.145	11	35	.59	213	.05	2	1.74	.01	.25	1	1
STD C/AU-S	18	59	42	132	7.3	68	39	1010	4.05	40	19	8	38	46	18	20	20	59	.48	.092	40	55	.90	178	.07	34	1.92	.06	.13	12	49

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
L8+00E 10+25N	1	53	9	99	.1	36	15	1196	3.55	6	5	ND	1	37	1	2	2	72	.42	.200	10	41	.66	265	.10	2	2.02	.01	.17	1	13
L8+00E 10+00N	1	79	7	95	.1	42	18	1123	3.80	22	5	ND	1	82	1	2	2	74	1.11	.159	11	45	.61	350	.09	2	1.84	.02	.24	1	3
L8+00E 9+75N	1	111	9	135	.2	62	24	1253	4.78	33	5	ND	2	67	1	2	2	87	.83	.165	14	64	1.02	311	.12	2	2.23	.02	.58	1	6
L8+00E 9+50N	1	94	9	101	.1	47	20	989	4.28	17	5	ND	2	69	1	2	2	82	.73	.137	15	53	.88	255	.12	3	2.24	.02	.47	1	1
L8+00E 9+25N	1	82	11	94	.1	55	19	985	4.01	12	5	ND	1	72	1	2	2	76	.86	.140	13	54	.79	282	.10	2	2.04	.02	.40	1	1
L8+00E 9+00N	1	108	7	89	.1	52	20	920	4.57	15	5	ND	2	76	1	2	2	93	.85	.179	17	57	.91	209	.10	2	1.91	.02	.41	1	4
L8+00E 8+75N	1	94	9	83	.1	47	21	829	4.86	10	5	ND	2	86	1	2	2	90	.83	.169	17	60	1.05	317	.14	2	2.16	.01	.99	1	17
L8+00E 8+50N	1	98	13	95	.2	47	20	731	4.77	9	5	ND	2	81	1	2	2	91	.90	.187	18	62	1.05	328	.14	3	2.19	.02	.96	1	7
L8+00E 8+25N	1	89	8	90	.2	49	19	876	4.37	20	5	ND	2	82	1	2	2	86	.95	.151	19	60	.97	319	.16	5	2.04	.02	.50	1	5
L8+00E 8+00N	1	72	12	71	.1	38	16	757	3.75	15	5	ND	1	84	1	2	2	82	1.05	.163	17	47	.76	249	.08	2	1.62	.02	.34	1	31
L8+00E 7+75N	1	54	10	73	.1	33	14	804	3.42	11	5	ND	1	74	1	2	2	73	.93	.148	13	40	.69	333	.08	3	2.01	.02	.31	1	3
L8+00E 7+50N	6	136	12	116	.1	51	25	1302	4.76	29	5	ND	1	69	1	2	2	93	.76	.221	10	55	.99	341	.13	2	2.47	.02	.30	1	1
L8+00E 7+25N	1	97	12	74	.1	50	19	843	4.15	22	5	ND	1	73	1	2	2	89	.92	.164	14	57	.86	244	.09	2	1.64	.02	.34	1	1
L8+00E 7+00N	1	66	6	85	.2	40	15	809	3.56	19	5	ND	1	76	1	2	2	75	.88	.163	14	49	.77	288	.09	4	2.11	.01	.35	1	1
L8+00E 6+75N	1	43	13	101	.1	27	11	875	2.68	13	5	ND	1	97	1	2	2	55	.94	.186	13	30	.56	317	.05	5	2.13	.02	.20	1	2
L8+00E 6+50N	1	79	9	83	.2	41	17	899	4.11	17	5	ND	1	76	1	2	2	86	.86	.164	15	52	.82	290	.10	3	2.17	.02	.32	1	1
L8+00E 6+25N	1	102	12	80	.1	47	19	645	4.81	21	5	ND	3	66	1	2	3	104	.74	.137	17	60	.91	209	.12	2	1.93	.02	.41	1	30
L8+00E 6+00N	1	86	11	80	.2	39	19	973	4.36	15	5	ND	2	66	1	2	2	90	.86	.161	16	52	.98	255	.10	2	1.93	.02	.41	1	8
L10+00E 15+00N	1	42	12	68	.1	28	13	864	3.20	6	5	ND	2	44	1	2	2	64	.57	.159	11	34	.66	277	.12	4	2.16	.02	.23	1	1
L10+00E 14+50N	1	59	10	79	.1	34	16	1248	4.01	7	5	ND	2	48	1	2	2	84	.61	.155	10	42	.79	377	.12	2	2.06	.02	.23	1	1
L10+00E 14+00N	1	63	6	62	.1	29	15	760	4.07	6	5	ND	1	85	1	2	2	97	.57	.157	9	40	.66	267	.11	2	1.91	.02	.27	1	3
L10+00E 13+50N	1	45	6	56	.2	28	12	724	2.92	7	5	ND	3	39	1	2	2	64	.46	.226	9	31	.59	315	.10	2	1.99	.02	.14	1	1
L10+00E 13+00N	1	54	5	58	.1	31	13	690	3.36	5	5	ND	2	51	1	2	2	77	.60	.213	9	39	.59	271	.10	2	1.92	.02	.12	1	3
L10+00E 12+50N	1	57	14	105	.2	29	14	1699	3.49	6	5	ND	2	68	1	2	2	78	.82	.145	9	38	.63	601	.10	4	1.76	.02	.19	1	1
L10+00E 12+25N	1	73	4	80	.1	40	17	867	4.76	6	5	ND	1	68	1	2	2	109	1.17	.163	12	56	.84	294	.09	2	1.78	.02	.30	1	6
L10+00E 12+00N	1	44	12	104	.1	33	13	1219	3.36	7	5	ND	2	54	1	2	2	71	.62	.427	9	41	.55	632	.09	6	1.69	.02	.21	1	3
L10+00E 11+50N	1	79	5	68	.3	47	19	915	4.09	6	5	ND	1	74	1	2	2	89	1.02	.135	9	65	.64	427	.10	3	1.75	.02	.20	1	1
L10+00E 11+00N	1	68	8	84	.1	51	19	939	4.76	6	5	ND	2	69	1	2	2	105	.98	.069	13	68	.96	206	.15	2	2.10	.02	.18	1	1
L10+00E 10+75N	1	87	7	83	.2	50	21	864	5.19	18	5	ND	2	55	1	2	2	112	.80	.143	15	63	1.09	273	.15	2	2.19	.02	.66	1	8
L10+00E 10+50N	1	62	6	63	.2	32	15	660	4.09	8	5	ND	2	69	1	2	2	92	.90	.142	14	47	.72	259	.10	5	1.75	.02	.28	1	260
L10+00E 10+00N	1	64	11	80	.2	44	16	730	4.00	34	5	ND	1	77	1	2	2	86	.82	.136	15	55	.81	259	.09	2	1.94	.02	.27	1	13
L10+00E 9+50N	1	55	9	106	.2	35	13	797	3.06	17	5	ND	1	74	1	2	2	64	.80	.186	13	38	.62	239	.06	3	2.05	.01	.17	1	1
L10+00E 9+00N	1	52	12	104	.3	35	13	814	3.23	22	5	ND	1	74	1	2	2	62	.90	.149	12	36	.67	252	.05	3	1.99	.02	.19	1	1
L10+00E 8+50N	1	53	19	84	.4	44	17	913	4.23	61	5	ND	2	63	1	2	2	85	.60	.275	11	56	.76	267	.10	2	1.83	.01	.20	1	7
L10+00E 8+00N	1	57	11	99	.2	36	16	1015	3.51	26	5	ND	1	87	1	2	2	64	1.21	.187	14	44	.77	378	.08	8	2.22	.02	.35	1	1
L10+00E 7+50N	1	67	15	94	.2	39	18	845	4.00	40	5	ND	1	73	1	2	2	74	.93	.154	16	50	.90	312	.10	3	2.14	.01	.49	1	2
L10+00E 7+00N	1	86	9	85	.3	56	20	854	4.51	33	5	ND	3	63	1	2	2	100	.55	.130	14	77	1.13	245	.16	7	2.70	.02	.48	1	1
STD C/AU-S	17	58	40	132	6.6	67	29	1040	4.03	38	17	7	37	46	18	17	19	55	.48	.092	38	55	.87	171	.06	29	1.91	.06	.13	12	52

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
L10+00E 6+50N	1	56	71	89	.2	35	14	777	3.29	28	5	ND	1	83	1	2	2	69	.88	.153	12	43	.71	292	.07	3	2.05	.01	.31	1	1
L10+00E 6+00N	1	96	11	92	1.1	52	19	837	4.67	60	5	ND	2	66	1	2	2	96	.77	.142	16	73	1.12	225	.15	2	2.29	.02	.52	1	8
L10+00E 5+50N	2	76	12	100	.6	45	16	830	3.56	41	5	ND	1	100	1	2	2	71	1.26	.138	13	55	.80	332	.06	4	2.03	.02	.37	1	3
L10+00E 5+00N	1	62	15	92	.4	39	15	846	3.33	24	5	ND	1	89	1	2	2	67	1.17	.194	13	44	.67	366	.08	8	2.07	.01	.29	1	1
L12+00E 15+00N	1	63	11	82	.1	34	15	1095	3.32	7	5	ND	2	51	1	2	2	65	.67	.194	11	41	.79	373	.10	2	2.11	.01	.23	1	10
L12+00E 14+50N	1	42	9	80	.1	30	12	1124	2.65	6	5	ND	2	44	1	1	2	52	.55	.207	11	32	.60	421	.09	3	1.84	.01	.19	1	1
L12+00E 14+00N	1	58	13	77	.1	33	15	956	3.38	5	5	ND	1	41	1	2	2	70	.51	.254	9	40	.64	377	.10	2	2.05	.02	.16	1	1
L12+00E 13+75N	1	50	8	77	.1	31	15	941	3.52	6	5	ND	1	46	1	1	3	75	.50	.210	9	43	.69	335	.10	2	1.92	.02	.17	1	2
L12+00E 13+50N	1	81	10	61	.1	34	20	904	4.27	6	5	ND	2	56	1	2	2	100	.66	.386	9	53	.88	279	.12	4	1.65	.02	.26	1	1
L12+00E 13+00N	1	118	13	65	.1	36	20	721	5.00	9	5	ND	2	79	1	2	2	125	.81	.240	9	51	1.12	174	.12	2	1.39	.02	.33	1	7
L12+00E 12+50N	1	215	9	74	.1	42	21	852	4.88	8	5	ND	2	67	1	2	2	112	.87	.174	9	60	.93	330	.12	2	2.08	.01	.30	1	4
L12+00E 12+25N	1	102	13	58	.2	45	20	936	5.24	7	5	ND	2	59	1	2	2	126	.79	.167	8	65	.92	130	.10	4	1.84	.02	.26	1	1
L12+00E 12+00N	1	60	7	77	.2	31	17	851	4.52	5	5	ND	1	77	1	2	2	105	1.07	.252	6	49	.75	495	.10	6	1.60	.03	.19	1	1
L12+00E 11+50N	1	50	8	64	.1	33	14	586	3.90	4	5	ND	1	52	1	2	2	85	.67	.130	8	49	.75	306	.11	5	1.56	.02	.21	1	1
L12+00E 11+00N	1	28	10	55	.2	27	11	630	2.84	2	5	ND	1	43	1	2	2	61	.54	.135	7	34	.53	287	.09	5	1.52	.02	.20	1	3
L12+00E 10+50N	1	24	9	62	.1	25	10	625	2.52	6	5	ND	1	39	1	2	2	52	.41	.200	7	27	.43	316	.09	3	1.80	.02	.12	1	1
L12+00E 10+00N	1	30	8	63	.3	28	11	581	2.82	5	5	ND	2	38	1	2	2	61	.42	.200	9	32	.51	304	.10	5	1.92	.02	.14	1	4
L12+00E 9+50N	1	46	9	86	.3	23	12	786	2.91	7	5	ND	2	50	1	2	2	61	.58	.322	8	33	.49	390	.08	5	1.87	.02	.16	1	3
L12+00E 9+00N	1	32	11	63	.3	28	13	656	3.65	6	5	ND	1	50	1	2	2	65	.56	.148	8	40	.55	301	.09	2	1.45	.02	.14	1	7
L12+00E 8+75N	1	35	13	68	.2	31	12	624	3.36	7	5	ND	1	48	1	2	2	76	.53	.192	9	42	.55	276	.08	2	1.83	.02	.17	1	6
L12+00E 8+50N	1	62	7	60	.4	43	17	613	4.40	10	5	ND	1	54	1	2	2	101	.80	.065	6	81	1.06	272	.15	3	1.78	.02	.35	1	1
L12+00E 8+00N	1	46	11	72	.2	35	13	917	3.42	9	5	ND	1	57	1	2	2	78	.74	.171	11	44	.67	174	.08	2	1.73	.01	.16	1	3
L12+00E 7+50N	1	68	11	97	.3	39	18	725	4.38	16	5	ND	1	75	1	2	2	97	.95	.170	10	51	.85	301	.10	2	1.91	.02	.34	1	2
L12+00E 7+00N	1	70	11	134	.1	37	17	796	3.79	16	5	ND	1	77	1	2	2	86	1.04	.146	10	48	.79	342	.09	7	1.69	.01	.38	1	1
L12+00E 6+50N	1	59	14	108	.2	36	15	774	3.64	20	5	ND	1	77	1	2	2	82	1.11	.155	11	43	.65	241	.06	10	1.75	.02	.26	1	1
L12+00E 6+00N	1	93	10	77	.2	42	16	715	4.35	24	5	ND	2	73	1	1	2	96	.88	.155	13	55	.84	254	.10	6	2.00	.02	.41	1	4
L12+00E 5+50N	1	56	13	89	.2	54	17	719	3.73	28	5	ND	2	62	1	2	2	75	.74	.115	13	56	.77	380	.11	4	2.14	.02	.40	1	1
L12+00E 5+25N	1	55	15	103	.1	46	16	805	3.69	23	5	ND	1	80	1	1	2	73	1.00	.144	13	51	.74	339	.10	4	2.11	.02	.25	1	1
L12+00E 5+00N	1	136	11	93	.9	62	26	822	5.00	39	5	ND	1	76	1	2	2	99	1.01	.182	11	71	1.08	317	.11	4	1.83	.02	.61	1	10
L12+00E 4+50N	1	68	10	77	.3	37	16	649	3.89	22	5	ND	1	71	1	2	2	82	.56	.146	10	49	.70	302	.09	5	1.58	.02	.39	1	5
L12+00E 4+00N	1	64	12	80	.2	35	14	676	3.46	14	5	ND	1	66	1	2	2	73	1.02	.136	10	44	.68	324	.08	3	1.56	.02	.27	1	1
L12+00E 3+50N	1	50	10	70	.2	34	14	672	3.58	10	5	ND	2	52	1	2	2	74	.71	.138	11	43	.74	302	.12	4	1.77	.02	.31	1	1
L12+00E 3+25N	1	42	9	91	.2	33	13	721	3.22	10	5	ND	2	54	1	2	2	62	.64	.195	11	41	.64	341	.10	7	1.39	.02	.25	1	1
L12+00E 3+00N	1	47	13	80	.4	34	14	679	3.44	9	5	ND	2	52	1	2	2	72	.65	.174	10	43	.60	292	.09	8	1.81	.02	.21	1	9
L12+00E 2+50S	1	56	6	75	.2	38	15	632	3.43	11	5	ND	2	57	1	2	2	73	.69	.154	11	45	.67	328	.10	6	1.75	.02	.25	1	6
L12+00E 2+00N	1	60	11	83	.2	41	16	697	3.66	13	5	ND	2	57	1	2	2	76	.70	.203	11	48	.70	411	.10	4	1.76	.02	.24	1	4
STD C/AU-S	18	60	42	132	6.9	67	30	1021	4.13	40	18	8	39	45	18	18	19	60	.49	.093	40	55	.92	181	.06	37	1.94	.06	.14	12	52

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
L10+00E 1+75N	1	57	9	94	.1	37	15	622	3.53	13	5	ND	2	71	1	2	2	70	1.03	.195	11	45	.63	416	.09	4	1.78	.02	.13	1	1
L12+00E 1+50N	1	69	7	91	.4	40	16	833	3.43	16	5	ND	1	76	1	2	2	67	1.14	.224	12	45	.65	508	.03	2	1.83	.02	.25	1	1
L12+00E 1+00N	1	56	11	90	.4	36	15	737	3.70	14	5	ND	2	57	1	2	2	76	.75	.182	13	46	.69	340	.11	6	2.11	.02	.25	1	3
L12+00E 0+50N	1	66	3	134	.3	37	17	1207	4.26	11	5	ND	1	98	1	2	2	68	1.26	.215	12	54	.75	452	.10	2	1.75	.02	.27	1	4
L12+00E 0+00N	1	55	12	76	.2	35	13	679	3.46	8	5	ND	2	52	1	2	2	71	.62	.189	13	41	.64	292	.10	2	1.95	.02	.22	1	1
L14+00E 15+00N	1	59	12	78	.1	32	14	913	3.25	8	5	ND	1	70	1	2	2	55	1.23	.183	12	41	.77	294	.07	2	1.33	.01	.32	1	3
L14+00E 14+75N	1	65	10	79	.1	34	15	901	3.54	6	5	ND	1	72	1	2	2	63	1.11	.139	14	46	.82	296	.08	3	2.08	.02	.30	1	4
L14+00E 14+50N	1	53	12	72	.1	28	12	931	3.89	7	5	ND	1	75	1	2	2	49	1.06	.139	12	36	.68	312	.06	2	2.02	.01	.23	1	1
L14+00E 14+25N	1	59	10	79	.1	29	13	955	3.03	6	5	ND	1	83	1	2	2	55	1.17	.156	12	36	.66	332	.06	2	2.02	.01	.21	1	5
L14+00E 14+00N	1	69	9	65	.1	26	13	933	2.81	7	5	ND	1	95	1	2	2	54	1.40	.197	10	30	.62	361	.05	6	1.90	.01	.22	1	1
L14+00E 13+75N	1	85	9	75	.1	26	14	825	2.94	4	5	ND	1	94	1	2	2	59	1.48	.173	10	32	.66	335	.06	5	1.61	.01	.22	1	1
L14+00E 13+50N	1	67	9	76	.1	27	14	821	3.06	7	5	ND	1	85	1	2	2	66	1.36	.145	10	36	.70	330	.07	6	1.69	.02	.27	1	1
L14+00E 13+25N	1	60	7	69	.1	27	14	679	3.02	6	5	ND	1	71	1	2	2	59	1.05	.144	10	35	.61	324	.06	4	1.76	.01	.20	1	1
L14+00E 13+00N	1	67	10	79	.1	33	16	982	3.31	7	5	ND	1	61	1	2	2	66	.86	.155	10	45	.66	379	.09	3	1.82	.02	.21	1	1
L14+00E 12+75N	1	70	10	77	.2	33	15	968	3.26	7	5	ND	1	73	1	2	2	64	1.11	.197	10	44	.68	378	.08	5	1.84	.01	.25	1	5
L14+00E 12+50N	1	65	9	66	.1	34	17	927	3.62	7	5	ND	1	48	1	2	2	80	.71	.072	9	49	.76	293	.11	4	1.77	.02	.30	1	33
L14+00E 12+25N	1	60	8	66	.1	32	16	856	3.79	6	5	ND	2	51	1	2	2	78	.71	.129	9	47	.69	320	.10	3	1.86	.02	.23	1	4
L14+00E 12+00N	1	59	10	64	.3	31	15	864	3.90	5	5	ND	3	45	1	2	2	82	.72	.148	9	45	.62	322	.09	7	1.65	.02	.22	2	4
L14+00E 11+75N	1	77	4	65	.3	37	19	803	5.16	7	5	ND	2	56	1	2	2	115	.82	.181	7	64	.74	345	.09	3	1.46	.02	.20	1	20
L14+00E 11+50N	1	46	4	77	.2	26	12	653	3.59	4	5	ND	2	48	1	2	2	78	.60	.302	8	38	.52	392	.08	6	1.85	.02	.14	1	4
L14+00E 11+25N	1	38	15	97	.1	25	11	735	2.89	2	5	ND	2	47	1	2	2	59	.72	.172	8	32	.52	343	.08	7	1.68	.02	.18	1	1
L14+00E 11+00N	1	35	8	67	.1	25	11	560	2.90	6	5	ND	2	40	1	2	2	60	.47	.135	9	31	.55	313	.10	4	1.88	.02	.16	1	1
L14+00E 10+75N	1	32	7	64	.2	24	11	622	2.94	5	5	ND	2	39	1	2	2	64	.49	.132	9	30	.53	263	.10	2	1.77	.02	.16	1	123
L14+00E 10+50N	1	27	10	56	.1	24	10	625	2.80	5	5	ND	2	36	1	2	2	59	.40	.136	9	32	.49	245	.09	3	1.78	.02	.13	1	4
L14+00E 10+25N	1	35	7	62	.2	22	10	634	2.62	7	5	ND	2	42	1	2	2	54	.52	.261	9	27	.46	293	.09	4	1.99	.02	.16	1	1
L14+00E 10+00N	1	27	6	51	.1	25	10	570	2.59	5	5	ND	2	42	1	2	2	55	.44	.162	9	30	.51	291	.09	2	1.65	.02	.14	1	4
L14+00E 9+75N	1	30	13	52	.1	25	10	564	2.72	2	5	ND	3	43	1	2	2	59	.43	.141	11	34	.58	243	.10	2	1.57	.02	.16	1	14
L14+00E 9+50N	1	35	11	72	.3	27	10	771	2.94	5	5	ND	3	44	1	2	2	63	.53	.242	10	36	.54	330	.09	5	1.90	.02	.15	1	1
L14+00E 9+25N	1	35	8	67	.1	29	11	603	3.23	9	5	ND	3	40	1	2	2	72	.45	.217	11	38	.56	282	.10	2	1.96	.02	.16	1	1
L14+00E 9+00N	1	39	13	83	.8	27	12	850	3.45	7	5	ND	2	53	1	2	2	77	.70	.232	9	38	.59	303	.10	2	1.79	.02	.17	1	1
L14+00E 8+75N	1	37	9	82	.2	33	12	775	3.47	9	5	ND	2	45	1	2	2	75	.60	.217	10	38	.57	284	.11	5	2.42	.02	.15	1	1
L14+00E 8+50N	1	57	6	59	.1	36	16	745	4.44	4	5	ND	1	59	1	2	2	105	.69	.162	10	52	.72	268	.12	2	1.91	.02	.19	1	3
L14+00E 8+25N	1	58	8	79	.2	34	16	719	4.30	7	5	ND	1	55	1	2	2	104	.61	.199	9	51	.68	295	.10	2	1.78	.02	.15	1	1
L14+00E 8+00N	1	61	11	80	.2	32	16	767	4.04	9	5	ND	1	74	1	2	2	99	1.01	.157	9	49	.73	285	.07	5	1.71	.02	.24	1	1
L14+00E 7+75N	1	76	7	64	.1	30	17	684	4.13	5	5	ND	1	68	1	2	2	96	1.05	.138	11	46	.75	272	.09	4	1.90	.02	.31	1	1
L14+00E 7+75N A	1	58	6	53	.2	41	21	694	5.16	2	5	ND	1	61	1	2	2	128	.37	.130	10	63	.95	170	.12	2	1.66	.02	.33	1	1
STD C/AU-S	18	56	42	132	6.8	67	30	1020	4.11	42	23	8	39	48	18	16	20	59	.48	.093	40	55	.90	176	.06	40	1.94	.06	.13	11	48

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
L14+00E 7+25N	1	65	6	74	.1	32	17	755	3.83	6	5	ND	1	53	1	2	2	35	.68	.125	11	46	.22	263	.10	2	2.08	.02	.30	1	15
L14+00E 7+00N	1	84	13	69	.1	34	18	596	4.20	3	5	ND	1	52	1	2	2	96	.77	.125	9	50	.78	244	.09	2	1.76	.02	.21	1	13
L14+00E 6+75N	1	54	10	65	.1	29	13	626	3.14	4	5	ND	1	60	1	2	2	68	.99	.130	10	43	.61	250	.06	3	1.55	.01	.23	1	17
L14+00E 6+50N	1	73	8	63	.1	36	16	659	3.56	6	5	ND	1	61	1	2	2	77	1.01	.150	9	51	.70	279	.06	2	1.47	.01	.32	1	4
L14+00E 6+25N	1	76	8	77	.1	37	17	790	3.51	10	5	ND	1	72	1	2	2	78	1.29	.185	10	46	.71	322	.06	2	1.54	.01	.38	1	2
L14+00E 6+00N	1	80	14	75	.2	37	18	679	4.04	9	5	ND	1	59	1	2	2	95	.95	.146	9	50	.76	286	.08	2	1.55	.01	.33	1	2
L14+00E 5+75N	1	56	4	69	.2	32	14	609	3.15	6	5	ND	1	67	1	2	2	67	.93	.152	8	43	.59	264	.06	5	1.42	.01	.31	1	5
L14+00E 5+50N	1	57	19	69	.1	31	13	621	2.97	7	5	ND	1	65	1	2	2	62	.87	.149	8	42	.64	258	.06	2	1.37	.01	.30	1	4
L14+00E 5+25N	1	74	8	76	.4	39	16	670	3.50	15	5	ND	1	72	1	2	2	68	.98	.155	10	50	.74	309	.07	6	1.62	.01	.38	1	4
L14+00E 5+00N	1	73	7	88	.3	39	16	735	3.46	15	5	ND	1	79	1	2	3	67	1.12	.159	9	46	.71	328	.08	2	1.66	.01	.39	1	2
L14+00E 4+75N	1	68	10	67	.2	38	16	636	3.47	12	5	ND	1	73	1	2	2	70	1.07	.141	9	47	.66	327	.07	2	1.53	.01	.31	1	3
L14+00E 4+50N	1	65	13	84	.4	37	15	685	3.02	14	5	ND	1	77	1	2	3	59	1.15	.183	9	42	.61	335	.06	5	1.61	.01	.28	1	5
L14+00E 4+25N	1	75	9	85	.2	45	16	609	3.18	10	5	ND	1	67	1	2	3	59	.98	.142	10	50	.65	310	.07	2	1.52	.01	.36	1	3
L14+00E 4+00N	1	61	11	78	.2	43	16	689	3.08	11	5	ND	1	84	1	2	2	57	1.21	.161	8	46	.61	379	.06	3	1.54	.01	.30	1	3
L14+00E 3+75N	1	51	10	67	.2	32	13	569	2.74	8	5	ND	1	59	1	1	2	54	1.06	.140	8	39	.52	329	.05	2	1.45	.01	.31	1	2
L14+00E 3+50N	1	56	9	64	.2	31	13	621	2.81	6	5	ND	1	67	1	1	2	55	1.18	.135	8	38	.55	305	.05	6	1.49	.01	.26	1	5
L14+00E 3+25N	1	53	14	63	.2	28	12	590	2.55	5	5	ND	1	73	1	1	3	49	1.30	.125	8	36	.53	286	.05	8	1.31	.01	.33	1	1
L14+00E 3+00N	1	65	*	56	.2	31	12	456	3.03	5	5	ND	1	65	1	2	3	59	1.01	.114	10	40	.58	274	.07	2	1.58	.01	.26	1	2
L14+00E 2+75N	1	57	9	50	.2	31	12	573	3.04	8	5	ND	1	77	1	1	2	60	1.20	.100	9	40	.54	242	.06	5	1.39	.01	.31	1	3
L14+00E 2+50N	1	50	8	54	.2	26	12	558	2.85	8	5	ND	1	69	1	2	2	58	1.17	.129	9	35	.53	279	.05	3	1.43	.01	.25	1	3
L14+00E 2+25N	1	60	9	57	.2	29	13	522	3.23	7	5	ND	1	49	1	2	2	67	.76	.134	10	41	.59	194	.07	2	1.41	.02	.23	1	11
L14+00E 2+00N	1	49	7	53	.1	26	12	540	2.89	7	5	ND	1	58	1	2	3	60	.82	.117	9	35	.50	199	.05	2	1.31	.01	.23	1	5
L14+00E 1+75N	1	49	10	59	.2	28	13	624	3.01	6	5	ND	1	66	1	2	2	61	1.02	.129	9	39	.52	291	.06	3	1.53	.02	.23	1	5
L14+00E 1+50N	1	47	6	71	.2	29	13	706	2.89	7	5	ND	1	62	1	2	2	57	.88	.110	9	36	.50	347	.06	4	1.42	.01	.22	1	2
L14+00E 1+25N	1	47	11	91	.2	29	12	808	2.69	8	5	ND	2	56	1	2	2	51	.72	.079	9	33	.47	385	.09	4	1.78	.01	.26	1	1
L14+00E 1+00N	1	43	11	78	.2	29	12	756	2.74	7	5	ND	1	45	1	2	2	53	.61	.102	9	33	.46	351	.07	4	1.67	.01	.19	1	1
L14+00E 0+75N	1	41	9	80	.2	29	12	744	3.00	6	5	ND	1	46	1	2	2	60	.59	.107	9	35	.46	376	.08	4	1.44	.02	.21	1	23
L14+00E 0+50N	1	40	10	83	.2	31	11	727	2.81	7	5	ND	1	47	1	2	2	53	.55	.254	10	33	.43	364	.08	3	1.80	.02	.22	1	9
L14+00E 0+25N	1	63	6	54	.3	33	13	410	3.43	10	5	ND	2	40	1	1	2	75	.54	.102	11	46	.64	139	.11	2	1.36	.02	.33	1	14
L14+00E 0+00N	1	77	3	50	.1	36	13	570	3.39	9	5	ND	2	43	1	2	3	86	.52	.124	12	57	.75	85	.12	2	1.75	.02	.23	1	24
L14+00E 0+25S	1	31	9	74	.3	32	10	666	3.50	10	5	ND	1	41	1	3	2	47	.55	.247	8	28	.41	336	.06	3	1.82	.01	.16	1	3
L14+00E 0+50S	1	26	11	77	.3	30	11	774	2.61	6	5	ND	1	40	1	2	2	50	.46	.223	8	29	.41	365	.07	9	1.64	.02	.18	1	4
L14+00E 0+75S	1	32	10	55	.2	27	10	620	2.71	6	5	ND	1	36	1	2	2	55	.42	.147	8	32	.43	216	.08	3	1.42	.01	.14	1	14
L14+00E 1+00S	1	33	10	87	.3	27	11	644	3.64	5	5	ND	2	33	1	2	2	50	.45	.210	9	30	.48	272	.08	2	1.73	.02	.17	1	1
L14+00E 1+50S	1	43	8	128	.2	23	12	1536	2.96	7	5	ND	1	50	1	2	2	55	.76	.237	10	32	.54	482	.08	3	1.71	.01	.15	1	25
L14+00E 1+75S	1	43	9	86	.4	25	11	584	2.75	7	5	ND	1	36	1	2	2	54	.41	.152	11	32	.56	190	.09	3	1.92	.01	.26	1	3
STD C/3U-S	19	58	42	132	5.7	68	30	1059	4.10	43	21	7	38	47	18	15	18	59	.49	.091	39	55	.58	175	.06	38	1.95	.06	.13	17	52

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
L14+00E 0+00S	1	68	18	119	1.1	24	13	1169	3.21	9	5	ND	1	53	1	2	2	66	.74	.174	13	31	.74	304	.10	2	2.12	.02	.19	1	10
L16+00E 15+00N	1	66	8	81	.1	36	17	926	3.35	6	5	ND	1	58	1	2	2	57	1.11	.141	11	44	.35	290	.08	2	1.82	.01	.37	1	5
L16+00E 14+50N	1	53	10	88	.1	31	13	851	2.80	6	5	ND	1	68	1	2	2	48	1.03	.154	11	37	.70	293	.07	2	1.73	.01	.31	1	9
L16+00E 14+00N	1	40	5	79	.1	22	10	1025	2.23	4	5	ND	1	56	1	2	2	40	.73	.160	8	25	.44	349	.07	2	1.79	.02	.17	1	1
L16+00E 13+50N	1	64	6	75	.1	31	14	863	3.04	4	5	ND	1	61	1	2	2	65	.81	.135	9	39	.69	371	.08	2	1.79	.01	.26	1	1
L16+00E 13+00N	1	39	11	84	.1	26	11	868	2.62	4	5	ND	1	48	1	2	2	50	.55	.227	8	32	.52	401	.08	2	1.73	.02	.19	1	2
L16+00E 12+50N	1	38	12	71	.1	28	12	703	2.92	5	5	ND	2	42	1	2	2	56	.50	.139	9	34	.60	296	.10	2	1.98	.02	.19	1	1
L16+00E 12+00N	1	41	8	64	.1	25	12	812	2.69	6	5	ND	2	45	1	2	2	56	.50	.169	10	33	.58	237	.10	2	1.99	.02	.18	1	6
L16+00E 11+50N	1	129	11	66	.1	56	22	779	4.24	4	5	ND	2	54	1	2	2	89	.76	.192	8	75	1.04	295	.12	4	1.92	.02	.28	1	1
L16+00E 11+00N	1	55	10	59	.2	33	13	732	3.03	4	5	ND	2	41	1	2	2	65	.51	.196	8	42	.61	285	.09	3	1.82	.02	.15	1	2
L16+00E 10+50N	1	59	13	73	.2	67	17	1043	3.21	3	5	ND	2	48	1	2	2	67	.63	.125	8	106	1.00	485	.11	2	2.07	.02	.22	1	1
L16+00E 10+00N	1	43	13	76	.1	31	15	1139	3.60	6	5	ND	1	45	1	2	2	90	.56	.150	6	38	.71	306	.11	2	1.84	.02	.17	1	1
L16+00E 9+50N	1	64	8	66	.1	32	15	839	3.52	4	5	ND	1	70	1	2	2	77	1.07	.146	10	47	.80	284	.08	2	1.97	.02	.28	1	1
L16+00E 9+00N	1	99	12	73	.1	38	19	925	4.34	9	5	ND	1	56	1	2	2	98	.92	.143	9	57	.98	297	.10	3	1.83	.02	.31	1	3
L16+00E 8+50N	1	80	10	62	.1	35	18	937	3.73	6	5	ND	1	59	1	2	3	73	1.09	.149	10	48	.91	294	.08	4	1.81	.01	.37	1	38
L16+00E 8+00N	1	61	11	77	.3	32	15	731	3.52	3	5	ND	1	60	1	2	2	70	.99	.192	10	43	.77	329	.09	3	1.91	.01	.28	1	2
L16+00E 7+50N	1	87	13	73	.3	36	16	729	3.32	10	5	ND	1	79	1	2	3	62	1.19	.159	10	44	.82	384	.07	4	1.93	.01	.38	1	1
L16+00E 7+00N	1	73	13	67	.2	39	15	756	3.51	5	5	ND	1	65	1	2	2	64	1.13	.147	10	49	.87	315	.07	4	1.82	.01	.42	1	2
L16+00E 6+50N	1	95	8	74	.2	48	19	642	4.09	8	5	ND	1	64	1	2	2	72	.81	.142	10	59	1.01	353	.10	5	1.88	.01	.53	1	1
L16+00E 6+00N	1	79	16	87	1.3	47	19	670	3.92	9	5	ND	1	60	1	2	2	69	.80	.139	11	56	.89	334	.10	3	1.97	.01	.49	1	5
L16+00E 5+50N	1	68	11	87	.4	44	15	632	3.55	11	5	ND	1	72	1	2	2	63	.91	.164	11	52	.79	483	.09	2	1.93	.01	.44	1	1
L16+00E 5+00N	1	69	9	71	.3	38	16	594	3.93	5	5	ND	2	58	1	2	2	84	.73	.123	10	60	.77	220	.12	3	1.92	.02	.40	1	2
L16+00E 4+50N	1	70	7	79	.2	36	15	613	3.03	7	5	ND	1	79	1	2	2	55	1.31	.148	9	45	.63	356	.07	4	1.61	.01	.35	1	1
L16+00E 4+00N	1	99	10	65	.3	38	12	388	2.89	4	5	ND	1	59	1	2	2	52	1.08	.131	11	44	.62	269	.08	5	1.86	.02	.37	1	2
L16+00E 3+50N	1	74	7	63	.1	37	14	547	2.90	7	5	ND	1	78	1	2	3	57	1.18	.122	10	40	.55	300	.06	2	1.50	.01	.29	1	4
L16+00E 3+00N	1	85	7	62	.2	35	13	844	2.89	2	5	ND	1	74	1	2	2	57	1.25	.137	11	42	.56	275	.06	4	1.57	.01	.33	1	3
L16+00E 2+50N	1	64	8	49	.1	29	13	528	2.93	6	5	ND	1	67	1	2	2	52	1.01	.091	10	35	.50	249	.06	2	1.41	.02	.23	1	2
L16+00E 2+00N	1	50	10	63	.1	29	12	503	2.82	5	5	ND	2	45	1	2	2	52	.59	.081	10	36	.51	233	.09	2	1.60	.02	.28	1	1
L16+00E 1+50N	1	46	6	65	.2	32	13	646	2.99	6	5	ND	2	47	1	2	2	59	.60	.175	10	37	.51	302	.06	2	1.59	.01	.20	1	1
L16+00E 1+00N	1	35	7	82	.3	31	11	664	2.44	6	5	ND	2	48	1	2	2	47	.56	.210	9	30	.42	353	.08	3	1.69	.01	.17	1	1
L16+00E 0+50N	1	37	8	64	.2	28	11	591	2.68	6	5	ND	2	37	1	2	2	53	.42	.127	9	32	.50	200	.10	2	1.87	.02	.16	1	1
L16+00E 0+00N	1	26	10	65	.3	31	12	472	3.22	8	5	ND	3	39	1	2	2	67	.46	.120	9	41	.63	170	.12	3	1.97	.02	.18	1	2
L16+00E 1+25S	1	59	6	59	.2	28	12	525	3.24	9	6	ND	3	45	1	2	2	68	.55	.148	11	38	.58	158	.09	3	1.50	.01	.17	1	3
L18+00E 15+00N	1	51	11	54	.1	26	12	801	2.30	5	5	ND	1	77	1	3	3	39	1.18	.095	10	29	.52	220	.05	6	1.63	.01	.24	1	1
L18+00E 14+75N	1	49	11	60	.1	42	16	499	3.66	10	5	ND	2	39	1	2	2	61	.54	.078	10	49	.85	150	.10	3	1.91	.01	.35	1	121
L18+00E 14+50N	1	33	8	63	.1	31	13	654	2.88	6	5	ND	1	40	1	2	3	53	.61	.066	8	43	.72	171	.11	4	1.56	.01	.33	1	1
STD C/AU-S	18	59	42	132	6.8	67	30	1020	4.06	42	23	8	38	48	18	16	19	59	.49	.092	39	55	.92	177	.06	39	1.95	.06	.14	12	49

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
L13+00E 14+25N	1	54	6	82	.1	35	14	900	3.19	5	5	ND	2	53	1	2	2	60	.65	.190	11	47	.76	314	.10	5	1.99	.02	.20	1	9
L13+00E 14+00N	1	48	7	62	.1	35	13	795	3.12	5	5	ND	2	46	1	2	2	60	.61	.123	10	44	.73	206	.10	5	1.94	.02	.24	1	4
L16+00E 13+75N	1	41	6	58	.1	33	12	1070	2.81	10	5	ND	1	55	1	2	2	45	.79	.174	11	41	.67	252	.06	2	1.95	.01	.22	1	16
L13+00E 13+50N	1	45	8	74	.1	32	13	1126	2.76	13	5	ND	1	69	1	2	2	46	1.09	.154	11	43	.69	299	.07	3	1.38	.01	.21	1	14
L18+00E 13+25N	1	50	10	76	.1	31	13	910	2.85	10	5	ND	1	73	1	2	2	45	1.03	.187	11	40	.70	271	.08	5	1.91	.01	.24	1	18
L18+00E 13+00N	1	52	7	74	.1	30	13	892	3.00	10	5	ND	1	64	1	2	2	52	.87	.183	11	36	.65	270	.08	2	1.30	.01	.23	1	1
L18+00E 12+75N	1	81	8	67	.1	23	16	1017	3.27	5	5	ND	1	71	1	2	2	63	1.11	.224	10	59	.69	326	.08	2	1.65	.02	.24	1	4
L18+00E 12+50N	1	74	10	64	.1	32	15	905	3.16	4	5	ND	1	66	1	2	2	62	1.12	.231	10	39	.66	274	.07	5	1.37	.01	.18	1	2
L18+00E 12+25N	1	69	7	62	.1	37	14	955	2.96	9	5	ND	1	69	1	2	2	54	1.24	.133	10	43	.70	256	.06	7	1.55	.01	.23	1	6
L18+00E 12+00N	1	60	11	85	.1	35	14	1605	3.06	9	5	ND	1	72	1	2	2	54	1.22	.177	12	44	.73	275	.06	2	1.76	.01	.27	1	1
L18+00E 11+75N	1	59	8	66	.1	32	14	921	3.04	7	5	ND	1	67	1	2	2	53	1.10	.193	11	39	.67	299	.06	2	1.69	.01	.25	1	2
L18+00E 11+50N	1	59	9	73	.1	37	17	921	3.37	6	5	ND	2	56	1	2	2	74	.86	.157	13	53	.85	259	.10	3	1.98	.01	.33	1	1
L16+00E 11+25N	1	54	11	69	.1	32	13	856	2.84	7	5	ND	1	69	1	2	2	52	1.20	.150	12	39	.64	238	.06	2	1.92	.01	.27	1	10
L18+00E 11+00N	1	56	7	71	.1	30	14	873	3.05	7	5	ND	1	81	1	2	2	59	1.27	.178	12	38	.65	301	.06	7	1.75	.01	.26	1	1
L18+00E 10+75N	1	72	9	77	.2	35	15	852	3.50	7	5	ND	1	73	1	2	2	70	1.30	.179	12	45	.76	282	.07	7	1.75	.02	.31	1	5
L13+00E 10+50N	1	61	10	64	.1	39	19	752	4.46	10	5	ND	1	64	1	2	2	96	1.08	.187	11	53	.89	243	.06	3	1.67	.01	.35	1	1
L18+00E 10+25N	1	74	10	67	.2	36	15	963	3.62	5	5	ND	1	74	1	2	2	75	1.24	.118	10	47	.77	327	.07	4	1.86	.02	.27	1	28
L18+00E 10+00N	1	90	11	81	.1	45	21	1069	4.51	3	5	ND	2	54	1	2	2	91	.79	.168	11	60	1.05	314	.13	2	2.04	.02	.35	1	9
L18+00E 9+75N	1	99	5	73	.1	48	20	993	4.44	9	5	ND	2	54	1	2	2	91	.85	.150	12	77	1.16	295	.12	3	2.07	.02	.37	1	7
L18+00E 9+50N	1	84	9	52	.1	44	18	957	3.67	7	5	ND	1	50	1	3	2	74	.77	.140	11	60	.96	272	.10	6	2.04	.02	.32	1	12
L13+00E 9+25N	1	132	13	80	.1	46	21	965	4.49	4	5	ND	2	59	1	2	3	88	.71	.154	14	65	1.12	292	.13	2	2.70	.02	.29	1	4
L18+00E 9+00N	1	85	12	75	.1	42	17	857	3.81	8	5	ND	1	66	1	2	2	74	.79	.140	13	57	.97	347	.10	3	2.25	.01	.35	1	1
L18+00E 8+75N	1	87	10	92	.1	31	13	796	2.64	5	5	ND	1	93	1	2	3	49	1.22	.188	10	36	.64	429	.05	6	1.78	.01	.27	1	1
L18+00E 8+50N	1	59	8	60	.1	35	14	835	3.75	5	5	ND	1	89	1	2	3	45	1.15	.181	11	41	.73	327	.06	5	1.90	.01	.24	1	1
L18+00E 8+25N	1	48	12	81	.1	31	13	778	3.08	6	5	ND	1	76	1	2	2	55	.69	.150	12	41	.68	279	.08	3	1.93	.02	.32	1	11
L13+00E 8+00N	4	111	14	90	1.4	58	21	722	4.59	23	5	ND	2	71	1	2	2	70	.95	.187	15	74	1.25	279	.13	3	2.12	.01	.69	1	2
STD C/AU-S	18	57	39	132	6.7	68	29	1041	3.97	45	18	7	37	48	18	16	21	58	.48	.095	38	58	.90	172	.06	35	1.91	.06	.13	11	48

Appendix '' B ''

Statistical Data

A C M E A N A L Y T I C A L L A B O R A T O R I E S L T D

Date: November 24, 1988
Company: Laroth Engineering Ltd.
Project: DKO
Attn : Gene Larabie

Requested Work: Statistical work to be done on file 88-5746, soil samples only. Cu, Pb, Zn, Ag, and Au*.

Summary of Work Done:

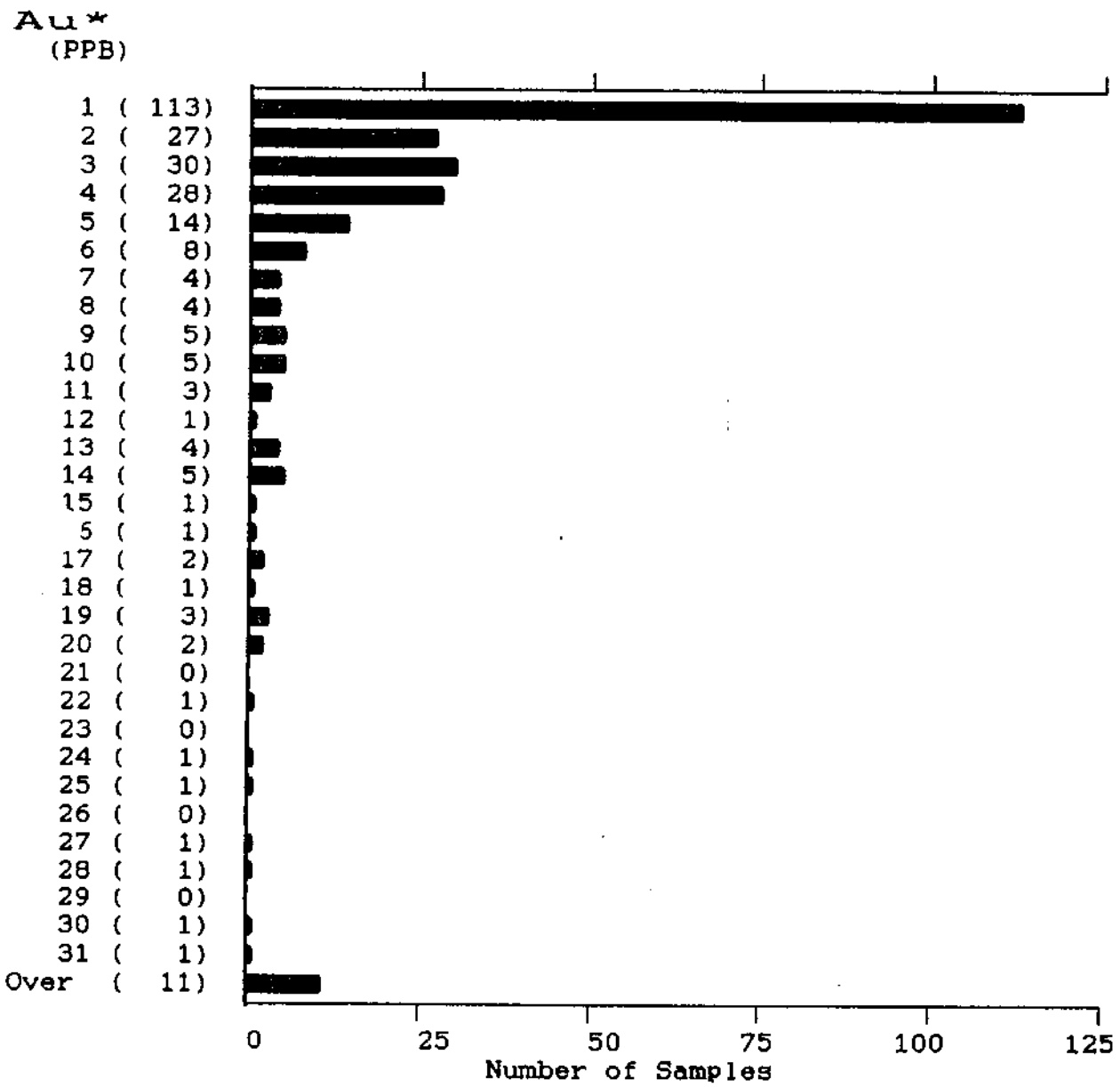
FILE NUMBER	PAGE NU.	SAMPLE TYPE	#SAMPLES
88-5746	1 - 8	SOIL	279
	TOTAL NUMBER OF SAMPLES -		279

Elements Done: Cu, Pb, Zn, Ag, and Au*

Sinerely yours,

Michael Choi

LAROTH ENGINEERING LTD. (88-5746)

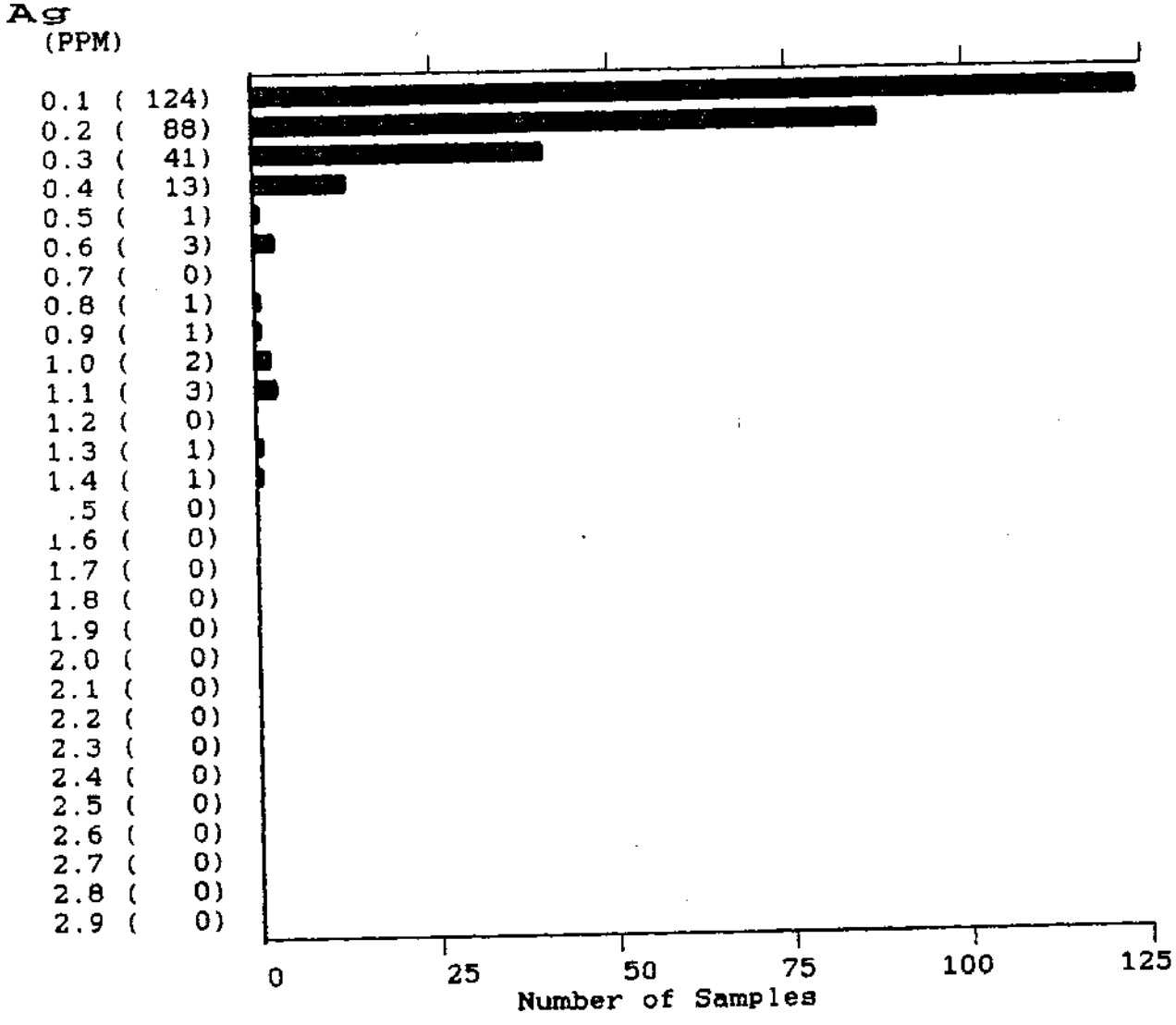


279 Samples

Maximum: 260
Minimum: 1

Mean: 7
Median: 2
Standard Deviation: 20

LAROTH ENGINEERING LTD. (88-5746)



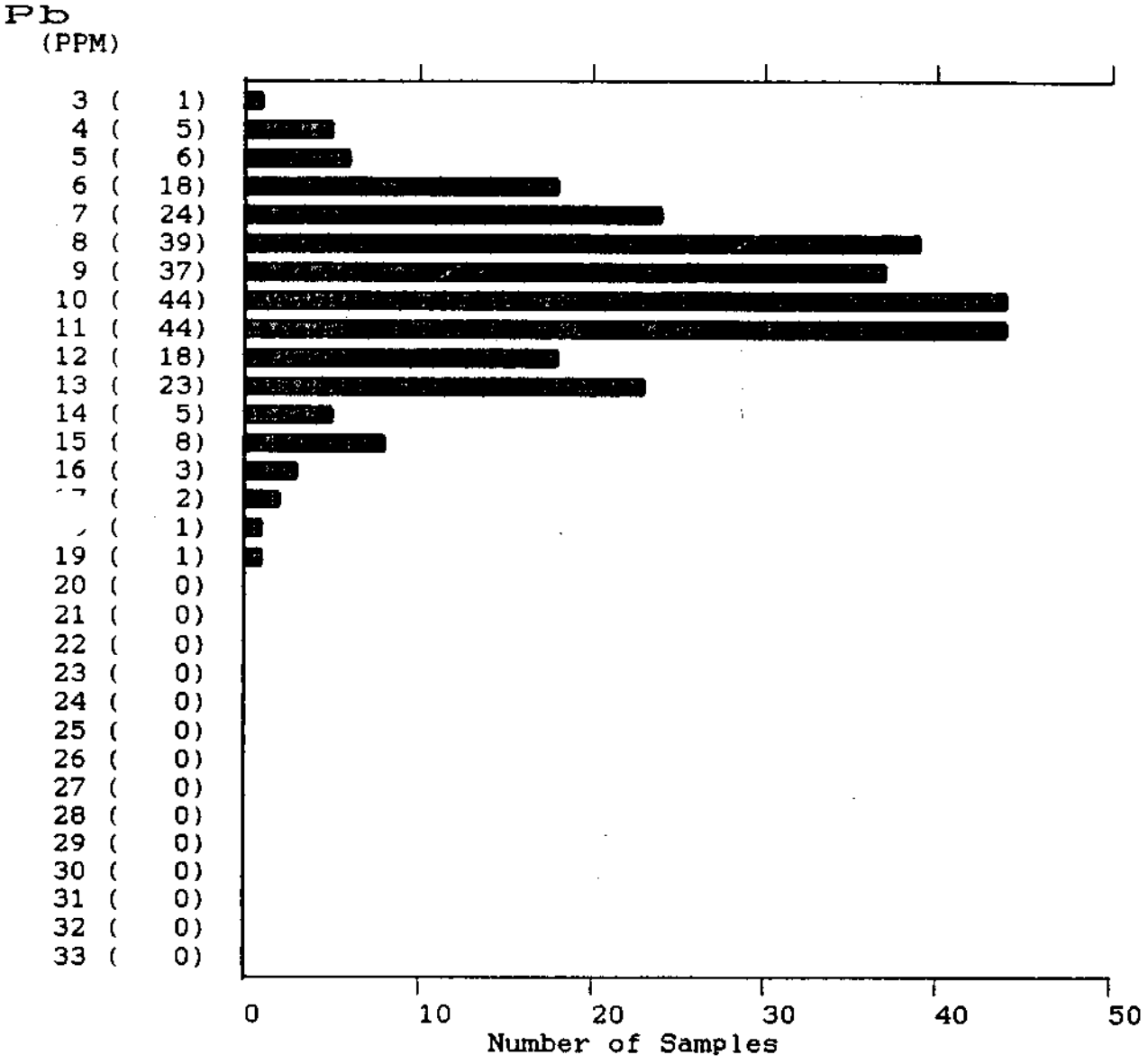
279 Samples

Maximum: 1.4
Minimum: 0.1

Mean: 0.2
Median: 0.2
Standard Deviation: 0.2

M = 23 0.6

LAROTH ENGINEERING LTD. (88-5746)



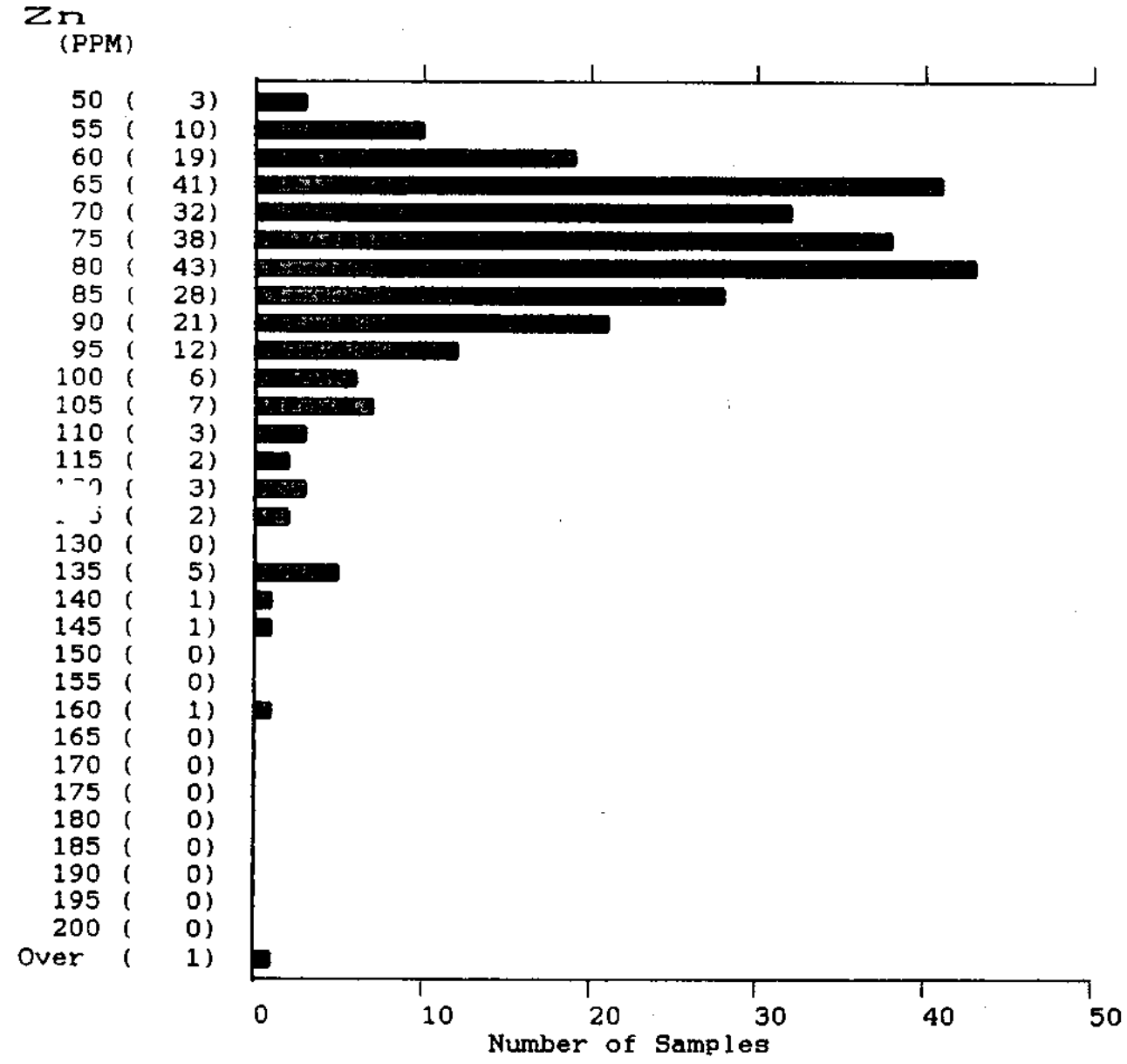
279 Samples

Maximum: 19
Minimum: 3

Mean: 10
Median: 10
Standard Deviation: 3

16

LAROTH ENGINEERING LTD. (88-5746)

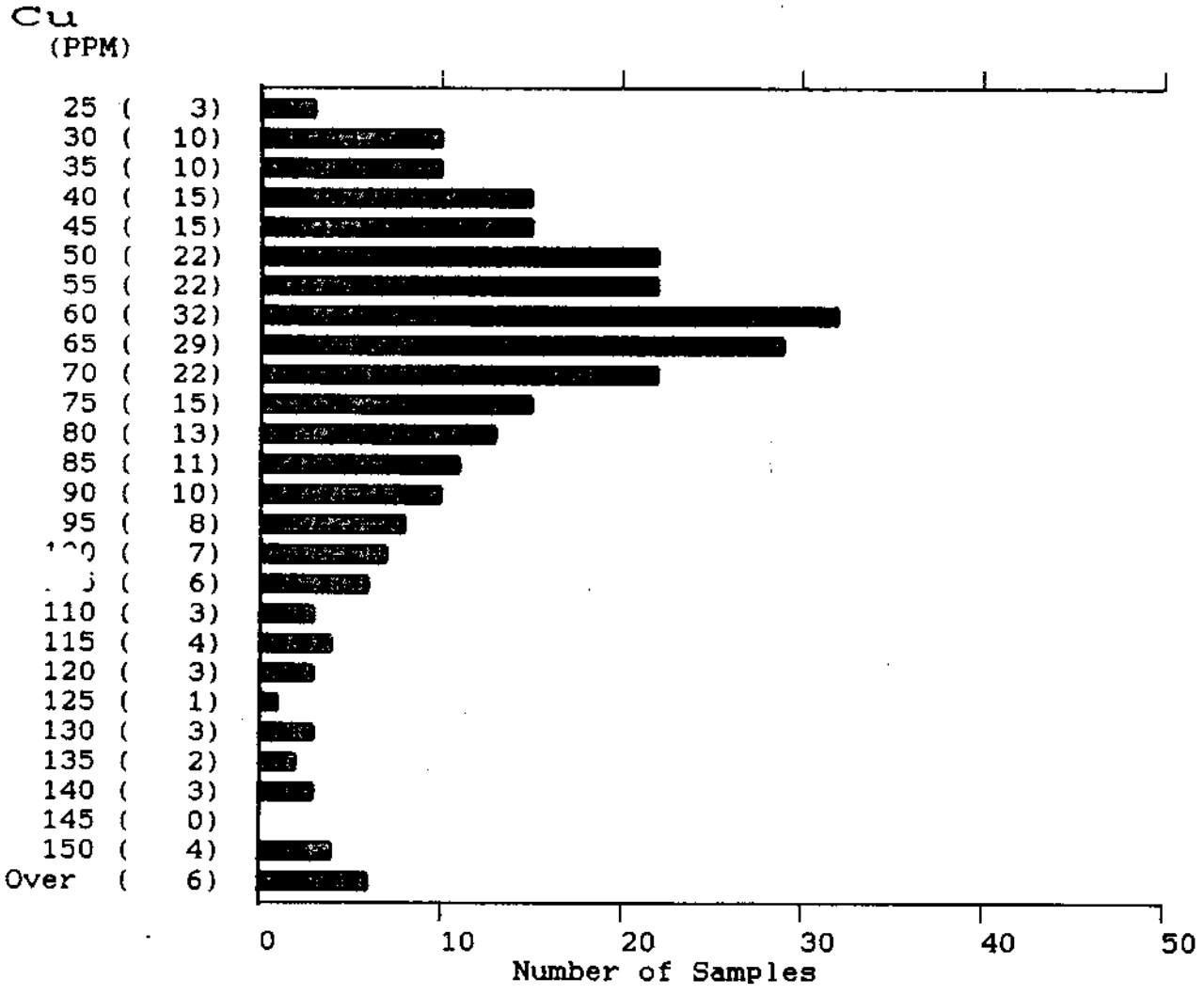


279 Samples

Maximum: 204
Minimum: 49

Mean: 78
Median: 75
Standard Deviation: 19

LAROTH ENGINEERING LTD. (88-5746)



279 Samples

Maximum:	205	Mean:	69
Minimum:	23	Median:	63
		Standard Deviation:	30

M - 2 = 129

LEGEND

- ADIT
- BUILDING
- ROAD
- GEOLOGICAL CONTACT
- FAULT
- QUARTZ VEIN

JURASSIC

- 15 GRANODIORITE
- 14b OLIVER SYENITE
- 12a RICHTE MOUNTAIN HORNBLENDE

CARBONIFEROUS

- 3 QUARTZITE & SCHIST

- o.b. OVERBURDEN

L 2+75 E
L 4+25 E
L 6+00 E
L 8+00 E
L 10+00 E
L 12+00 E
L 14+00 E
L 16+00 E
L 18+00 E
L 20+00 E
L 22+00 E

15+00 N
10+00 N
5+00 N
B.L. 00
5+00 S
10+00 S
15+00 S

ROAD
TALUS
HIGHWAY

SILVER BELL M.C.
L 2393 C.G.

HORN SILVER
L 1928 C.G.

BRITISH M.C.
L 3064 C.G.

18,378

DANKOE MINES LTD.
UTICA PROPERTY
GEOLOGICAL MAP
GRID AREA
N.T.S. 82E-4E
OSOYOOS M.D., B.C.
0 100 200 400 METRES
SCALE 1:5000
DATE : DEC 1987
DRAWN BY : E.N.L.
FIGURE Nº 6