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Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S)	TOTAL COST
Soil Geochemical Survey	$26,034.80

AUTHOR(S) Ian D. Pirie SIGNATURE(S) [signature]

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED February 8th, 1985 YEAR OF WORK 1984

PROPERTY NAME(S) TWIN

COMMODITIES PRESENT Zn, Pb, Cu, Ag, Au

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN

MINING DIVISION Kamloops NTS 82M/4W

LATITUDE 51°07'N LONGITUDE 119°46'W

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property [Examples: TAX 1-4, FIRE 2 (12 units); PHOENIX (Lot 1706); Mineral Lease M 123; Mining or Certified Mining Lease ML 12 (claims involved)]:

TWIN 1-3 (39 units)

OWNER(S)

(1) Lincoln Resources Inc.
1440 - 625 Howe Street
Vancouver, B. C. V6C 2T6

(2) Apex Energy Corp.
501 - 700 W. Pender Street
Vancouver, B. C. V6C 1G8

OPERATOR(S) (that is, Company paying for the work)

(1) Corporation Falconbridge Copper
6415 - 64th Street
Delta, B. C. V4K 4E2

(2)

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude):

The property is underlain by basaltic volcanics. Known mineralization consists of pods of sphalerite and galena with minor chalcopyrite in quartz-carbonate veins occupying a NW-SE trending shear zone. The basalts in the zone are sheared and altered to sericite and carbonate.

REFERENCES TO PREVIOUS WORK Assessment Report 8942

(over)

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	COST APPORTIONED
GEOLOGICAL (scale, area)			
Ground			
Photo			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for ....) (Cu, Zn, Pb, As, Au, Ag)			
Soil	1109	Twin 2, 3	$16,080.80
Silt			
Rock			
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralogic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY/PHYSICAL			
Legal surveys (scale, area)			
Topographic (scale, area)			
Photogrammetric (scale, area)			
Line/grid (kilometres)	35.55 km	Twin 2, 3	9,954.00
Road, local access (kilometres)			
Trench (metres)			
Underground (metres)			
		TOTAL COST	26,034.80

FOR MINISTRY USE ONLY	NAME OF PAC ACCOUNT	DEBIT	CREDIT	REMARKS:
Value work done (from report)				
Value of work approved				
Value claimed (from statement)				
Value credited to PAC account				
Value debited to PAC account				
Accepted ..... Date	Rept. No.			Information Class

SOIL GEOCHEMICAL SURVEY

TWIN CLAIMS

NTS 82M/4W

Lat. 51°07'N Long. 119°46'W

April 23, 1985

Ian D. Pirie
Corporation Falconbridge Copper
6415 - 64th Street
Delta, B. C.

TABLE OF CONTENTS

INTRODUCTION

General

This report presents the results of a pedogeochemical survey carried out by Corporation Falconbridge Copper (CFC) on the Twin claim group, Kamloops Mining Division, during 1984.

Location and Access (Figure 1)

The claims are located approximately 5 kilometres north of Skwaam Bay, Adams Lake. They are bounded by latitude 51°06'N and 51°08'N and longitude 119°45'W and 119°48'W.

Access is by all weather roads from Louis Creek on Highway 5 or Squilax on the Trans-Canada Highway to Skwaam Bay and thence 20km logging roads to the property.

Physiography

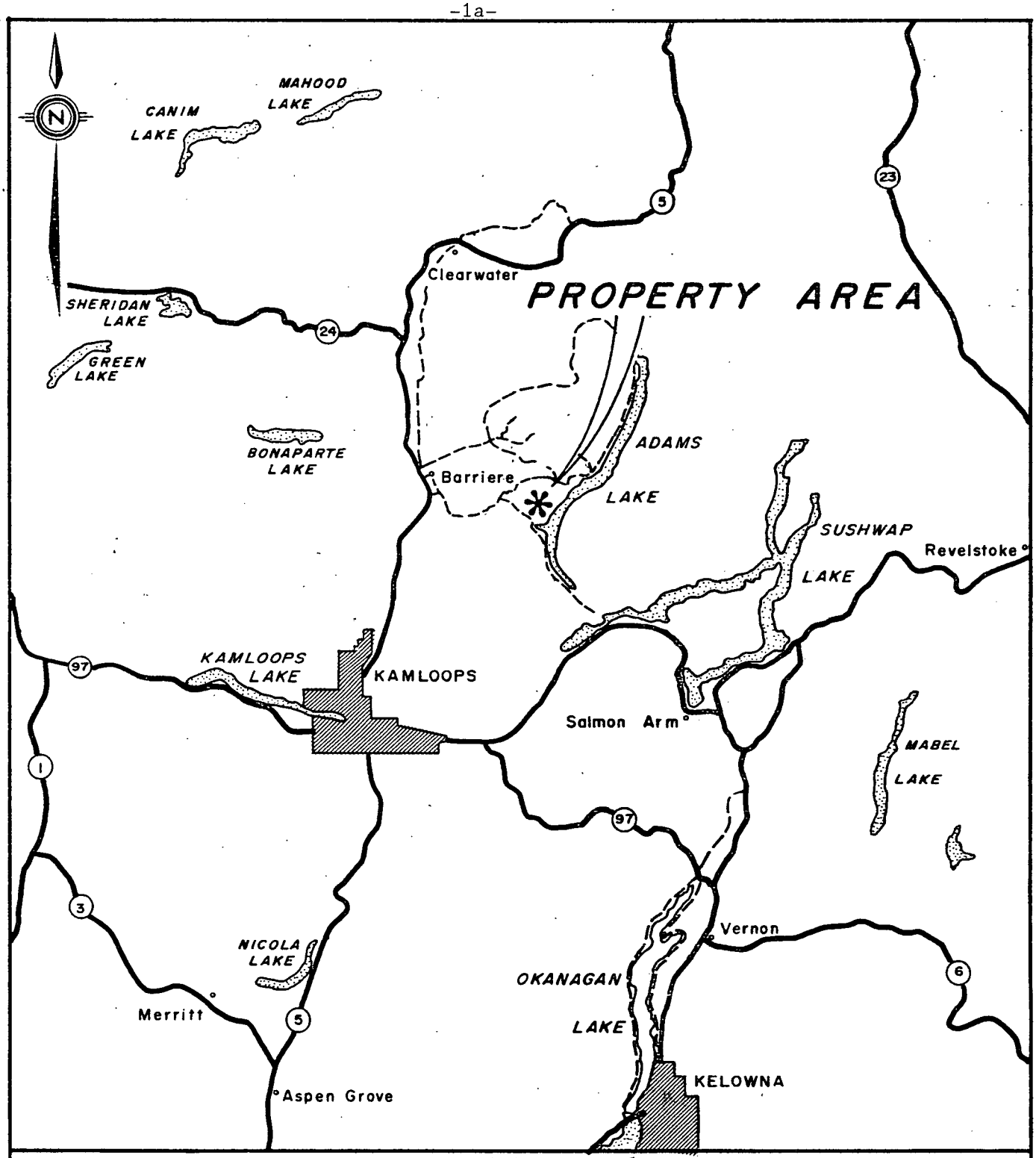
The claims occupy land on the western part of the Adams Plateau. This consists of high rolling plateau country incised by locally steep, drift filled valleys. The Twin claims lie entirely on the high plateau at elevations between 1500m and 1700m.

Fairly dense forest cover occurs across half of the property, while the rest has been recently logged.

The climate is moderate with temperatures ranging from -25°C in the winter to 30°C in the summer. Precipitation is moderate. The snow free period extends from late May to late October in normal years.

Property and Ownership

Figure 2 shows the claim configuration. Table 1 summarizes pertinent claim data. All are held by CFC under option from Apex Energy and Austin Resources (now Lincoln Resources).



BAR PROJECT

AUSTIN/APEX PROJECT

LOCATION MAP

FIGURE 1

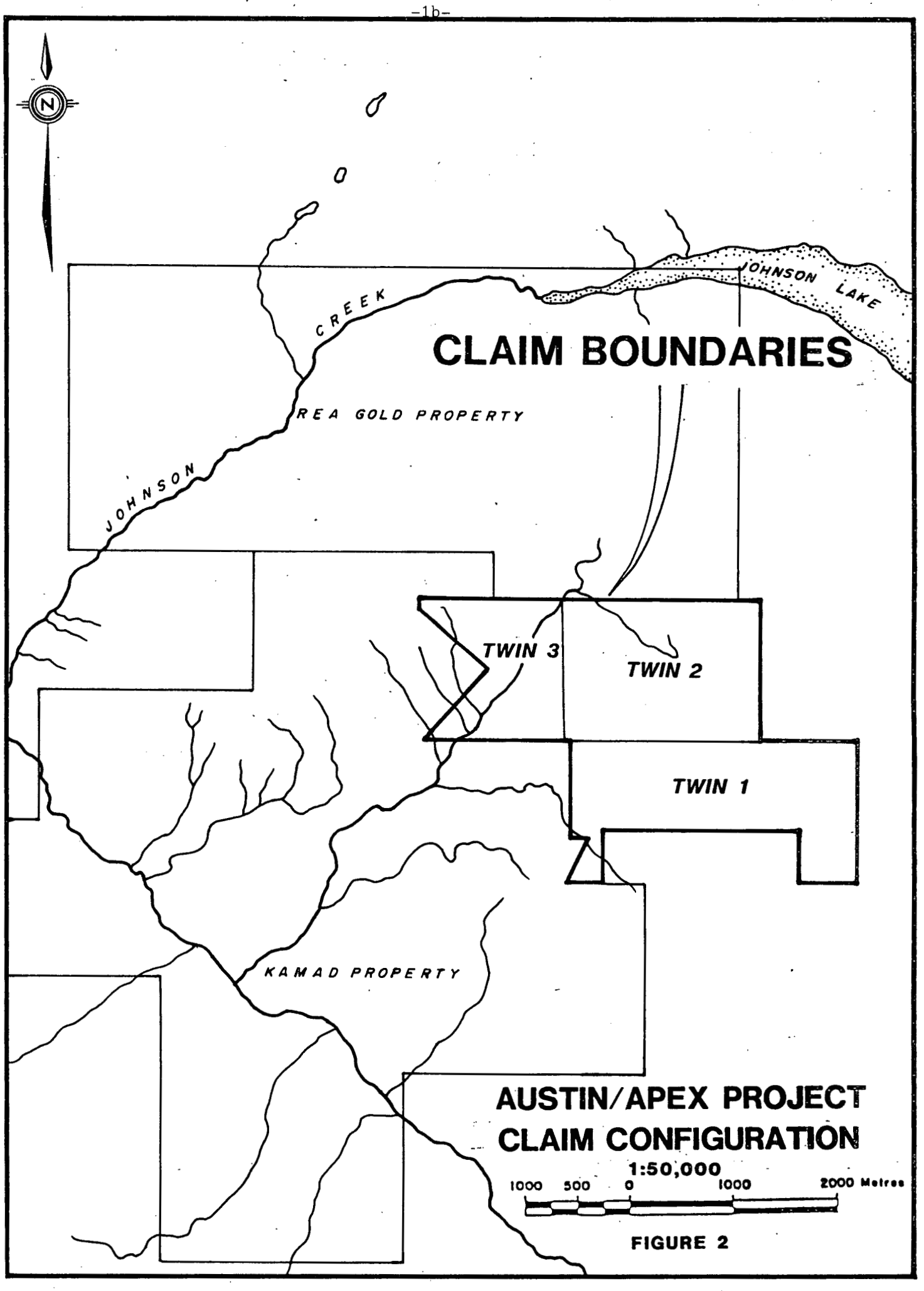

N
JOHNSON LAKE
CREEK
CLAIM BOUNDARIES
REA GOLD PROPERTY
JOHNSON
TWIN 3
TWIN 2
TWIN 1
KAMAD PROPERTY
AUSTIN/APEX PROJECT
CLAIM CONFIGURATION
1:50,000
1000 500 0 1000 2000 Metres

FIGURE 2

TABLE 1

Name	Record No.	Units	Date Recorded
Twin 1	2403	18	February 1980
Twin 2	2404	12	February 1980
Twin 3	2405	9	February 1980

History

The Twin claims were optioned by CFC following discovery of the Rea Gold massive sulphide showings in late 1983. These showings are located just over 1km NW of the Twin claims.

Work has been undertaken on this property at various times since 1936. The focus of this has been galena-sphalerite (-chalcopyrite) showings occuring in quartz-carbonate veins related to a northwest trending shear zone. It has included trenching, minor drifting and several geochemical and geophysical surveys.

The present claims were staked in February 1980 to examine the potential for massive sulphide-barite deposits similar to the nearby Homestake deposit.

Summary of Work Done

The following work was carried out on the property by CFC during 1984.

Linecutting	35.55km	Part of a larger grid originating on the adjacent Rea Gold property.
Soil Geochemistry	28 man-days sampling 1109 samples	Located with respect to the lines. Analyzed for Au, Ag, Cu, Pb, Zn and As.

RESULTS

The results of the soil survey are presented on Maps 1-6 and in Appendix 1.

Map 1 shows the soil sample locations. The grid lines cut during this program are those 045/225° trending lines turned off of BL 10+50N at 100m intervals. These partially overlap with an older, more northerly trending grid. Wherever possible, the remains of the old grid was tied into the new one with the aim of combining available data at some point.

All unprefixed soil sample numbers are located with respect to the new grid, as were those prefixed "GZ". All "AA" samples were located with respect to the old grid. Samples are of B horizon (20-30 cm deep) soils wherever possible. They were analyzed by Min-En Labs of Vancouver for Au, Ag, Cu, Pb, Zn and As using the -80 mesh fraction. Au was determined by aqua-regia-atomic absorption method. The other elements were determined by a standard ICP procedure.

Basic statistics were carried out on all data to provide a basis for determining anomalies. A summary of these statistics is presented in Table 2.

TABLE 2
Summary of Statistics

Element	Range	Mean	Standard Deviation	Anomalous Values (>mean + 2 s.d.)
Au (ppb)	<5 - 1430	6.5	3.8	>14
Ag (ppm)	0 - 28	0.9	0.49	>1.88
Zn (ppm)	0 - 5490	71.8*	--	>636
Cu (ppm)	2 - 710	27.7*	--	>110
As (ppm)	0 - 1080	8.9*	--	>89
Pb (ppm)	0 - 2890	13.4*	--	>186

* log-normal populations. Mean is geometric.

Au, Ag

The results for gold and silver are presented together. Because of the spotty distribution of anomalous Au values, no attempt was made to contour it. Instead, individual anomalous values are highlighted.

Although a few isolated anomalies in both Au and Ag occur here and there, a single northwest trending zone stands out above all others. This stretches from about 0+25N on line 79 to 2S on line 61. Ag values are fairly consistently above 2 ppm throughout the zone and locally as high as 8 ppm. Au values are as high as 1430 ppb. It was in order to detail the 1430 ppb Au area (2S, L65) that samples prefixed "GZ" were taken. They confirmed the high, if erratic, Au and Ag values.

Zn

Like Au and Ag, most anomalous Zn values are constrained within a northwest trending zone, but not the same zone. This one is some 400m northeast of the Au, Ag one, starting at 2N on line 73 and running through 2+75N on line 60 and thence off the grid. It was also picked up on Rea Gold ground to the northwest. The main southeasterly portion of this anomaly closely corresponds to old workings in the mineralized quartz-carbonate vein zone mentioned in the History section. The trend presumably reflects that veining.

Pb

Lead anomalies are present in both the Zn zone and the Au, Ag zone. Although other isolated anomalies also exist, they are generally single point and low grade.

As

Arsenic anomalies are rare. The only truly anomalous values are coincident with the 1430 ppb Au zone and at the extreme south end of lines 75 to 79 (inclusive).

Cu

Distribution of Cu anomalies is extremely erratic. It seems likely that they reflect changes in the underlying rock type rather than mineralization.

INTERPRETATION AND RECOMMENDATIONS

Three distinct anomalous zones have been recognized from soil survey results. These are:

1) a northwest trending zone stretching from 2+75N on line 60 to 2+00N on line 73 and characterized by anomalous Zn and Pb. This zone is coincident with old workings which are reported to have encountered poddy sphalerite and galena in quartz-carbonate veins occupying a shear zone. Given the erratic nature of the mineralization and the fact that it is Pb and Zn, no follow up is recommended on this anomaly.

2) a northwest trending zone stretching from 0+25N on line 79 to 2+00S on line 61 and characterized by anomalous Au, Ag, Pb and As. Little evidence of previous work in this area exists and given the high precious metal values obtained it is definitely worth looking at in more detail.

3) a small zone of As enrichment at the southwest ends of lines 75 to 79 (inclusive) accompanied only by a single point Zn anomaly and minor Cu. Although quite unimpressive in terms of anomaly amplitude when compared to the other two, the arsenical nature of the Rea Gold deposits to the northwest cannot be ignored. The geology of this area should be examined and geophysics considered should results warrant it.

STATEMENT OF COSTS

FIELD COSTS (soil sampling)

C. Burge	7 days (May 28, 29, 30, 31, June 2, 3, Aug 22) @ $100/day	700.00
D. Debodt	7 days (May 28, 29, 30, 31, June 2, 3, Aug 22) @ $100/day	700.00
J. Mason	7 days (May 28, 29, 30, 31, June 2, 3, Aug 22) @ $100/day	700.00
G. Dawson	7 days (May 28, 29, 30, 31, June 2, 3, Aug 22) @ $100/day	700.00
Accommodation	7 days @ $20/day	140.00
Food	28 man/days @ $15/day	420.00
Truck Rental	7 days @ $50/day	350.00
Misc. (sample bags, flagging, etc.)		300.00
Linecutting	35.55 km @ $280/km (Spirex Geoservices)	9,954.00

ANALYTICAL COSTS

1109 analyses (Cu, Pb, Zn, Ag, As, Au) @ $9.20/samples	10,202.20
shipping ($0.40/sample)	443.60

OFFICE COSTS

Drafting 5 days @ $125/day	625.00
Interpretation and report (Ian Pirie) 3 days @ $300/day	900.00
Miscellaneous (materials, copying etc.)	200.00
TOTAL	$26,034.80

CERTIFICATE OF QUALIFICATIONS

I, Ian D. Pirie certify that:

1. I am an Exploration Geologist residing at 307 - 2145 York Avenue, Vancouver, B. C.

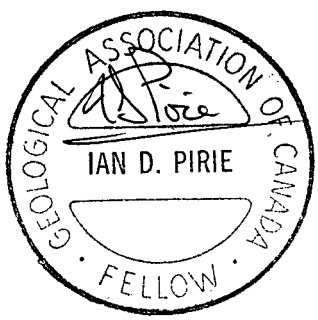
2. I have a BSc (Hons) in Applied Geology from the University of Strathclyde, Glasgow, Scotland (1977) and a MSc (Geology/Geochemistry) from Queen's University at Kingston, Ontario (1980).

3. I have practised my profession since 1977.

4. I personally carried out or supervised the work reported herein.

Date

Ian D. Pirie



APPENDIX 1

Data Listing

CODES USED IN LISTING

STN (Sample Station)

+ = grid N; - = grid S

CHAR (soil character)

1. Active 2. Dry 3. Swamp 4. Seep 5. Other

TEX (Texture)

1. Silt 2. Sand 3. Organic 4. Clay 5. Gravel

HOR (Horizon)

1. B 2. C 3. A 4. Rock 5. Non

COL (Color)

1. Yellow 2. Brown 3. Grey 4. Red 5. Black

UNITS

Au = ppb

Ag, Cu, Pb, Zn, As = ppm

SAMPLE NO.	LINE	STN	CHAR	TEX	HOR	COL	AU	AG	CU	PB	ZN	AS
1292	79.	250.	2.	2.	1.	2.	10.	0.4	19.	28.	204.	6.
1293	79.	225.	2.	2.	1.	2.	15.	0.8	23.	24.	214.	11.
1294	79.	200.	2.	2.	1.	2.	5.	0.8	18.	30.	147.	10.
1295	79.	175.	2.	2.	1.	2.	10.	1.1	18.	12.	215.	7.
1296	79.	150.	2.	2.	1.	2.	5.	1.2	19.	17.	278.	16.
1297	79.	125.	2.	2.	1.	2.	5.	1.	52.	53.	175.	22.
1298	79.	100.	2.	2.	1.	2.	2.5	0.8	28.	21.	140.	4.
1299	79.	75.	2.	2.	1.	2.	5.	1.6	27.	23.	166.	7.
1300	79.	50.	2.	2.	1.	2.	5.	1.6	31.	233.	563.	6.
1301	79.	25.	2.	2.	1.	2.	10.	2.6	52.	29.	126.	6.
1302	79.	0.	2.	2.	1.	2.	5.	1.8	35.	32.	201.	17.
1303	79.	-25.	2.	2.	1.	2.	5.	1.9	80.	42.	158.	10.
1304	79.	-50.	2.	2.	1.	2.	10.	1.	65.	69.	227.	66.
1305	79.	-75.	2.	2.	1.	2.	10.	1.7	38.	33.	170.	21.
1306	79.	-100.	2.	2.	1.	2.	5.	1.4	58.	38.	168.	43.
1331	77.	450.	2.	2.	1.	2.	5.	1.	34.	0.	118.	0.
1332	77.	425.	2.	2.	1.	2.	10.	1.2	26.	0.	87.	0.
1333	77.	400.	2.	2.	1.	2.	2.5	1.3	55.	0.	131.	0.
1334	77.	375.	2.	2.	1.	2.	5.	1.1	77.	50.	238.	35.
1335	77.	350.	2.	2.	1.	2.	10.	1.3	95.	38.	178.	15.
1336	77.	325.	2.	2.	1.	2.	5.	0.8	21.	8.	97.	0.
1337	77.	300.	2.	2.	1.	2.	5.	0.8	14.	0.	58.	0.
1338	77.	275.	2.	2.	1.	2.	5.	1.3	19.	15.	257.	7.
1339	77.	250.	2.	2.	1.	2.	10.	1.	40.	6.	137.	3.
1340	77.	225.	2.	2.	1.	2.	5.	0.9	36.	27.	219.	2.
1341	77.	300.	2.	2.	1.	2.	10.	0.9	81.	66.	343.	22.
1342	77.	175.	2.	2.	1.	2.	5.	1.8	74.	92.	320.	37.
1343	77.	150.	2.	2.	1.	1.	5.	1.2	103.	172.	376.	48.
1344	77.	125.	2.	2.	1.	2.	10.	1.2	80.	37.	245.	31.
1345	77.	100.	2.	2.	1.	1.	10.	1.5	92.	91.	357.	37.
1346	77.	75.	2.	2.	1.	2.	5.	1.4	102.	29.	175.	14.
1347	77.	50.	2.	2.	1.	2.	5.	3.4	18.	4.	227.	10.
1348	77.	25.	2.	2.	1.	2.	10.	2.7	50.	100.	332.	12.
1349	77.	0.	2.	2.	1.	2.	5.	2.6	37.	152.	291.	17.
1350	77.	-25.	2.	2.	1.	2.	5.	3.7	45.	80.	251.	15.
1351	77.	-50.	2.	2.	1.	2.	10.	1.8	92.	73.	322.	13.
1352	77.	-75.	2.	2.	1.	2.	5.	1.3	65.	41.	227.	39.
1353	77.	-100.	2.	2.	1.	2.	150.	3.	34.	19.	169.	5.
1354	77.	-125.	2.	2.	1.	2.	5.	1.	48.	68.	212.	38.
1355	77.	-150.	4.	2.	1.	2.	35.	0.9	92.	83.	229.	73.
1356	77.	-175.	2.	1.	1.	2.	5.	0.8	41.	24.	148.	32.
1357	77.	-200.	2.	2.	1.	2.	5.	0.8	57.	62.	264.	51.
1358	77.	-225.	2.	2.	1.	2.	5.	1.2	19.	33.	169.	15.
1359	77.	-250.	2.	2.	1.	2.	2.5	1.3	44.	24.	125.	10.
1360	77.	-275.	2.	2.	1.	2.	5.	2.6	7.	19.	91.	39.
1361	77.	-300.	2.	2.	1.	2.	2.5	1.4	76.	29.	139.	16.
1362	77.	-325.	2.	2.	1.	2.	5.	1.3	44.	77.	425.	45.
1363	77.	-350.	2.	2.	1.	2.	5.	1.9	24.	45.	207.	5.
1364	77.	-375.	2.	2.	1.	2.	5.	2.1	71.	132.	450.	32.
1365	77.	-400.	2.	2.	1.	2.	2.5	0.9	24.	0.	111.	2.
1366	77.	-425.	2.	2.	1.	2.	10.	0.9	18.	0.	50.	0.
1367	77.	-450.	2.	2.	1.	2.	5.	1.	21.	6.	127.	16.
1368	77.	-475.	2.	2.	1.	2.	5.	0.7	43.	35.	219.	74.
1369	77.	-500.	2.	2.	1.	2.	5.	0.6	23.	23.	140.	24.
1371	77.	-550.	2.	2.	1.	2.	5.	1.	25.	2.	171.	0.
1372	77.	-575.	2.	2.	1.	2.	10.	1.	32.	28.	294.	4.
1373	77.	-600.	2.	1.	1.	2.	5.	1.4	158.	176.	1060.	76.
1374	78.	-550.	2.	2.	1.	2.	5.	1.3	54.	43.	326.	49.
1375	78.	-525.	2.	2.	1.	2.	5.	1.4	123.	112.	271.	131.
1376	78.	-500.	2.	2.	1.	2.	5.	0.7	46.	49.	183.	78.

SAMPLE NO.	LINE	STN	CHAR	TEX	HOR	COL	AU	AG	CU	PB	ZN	AS
1377	78.	-475.	2.	2.	1.	2.	5.	1.5	34.	31.	245.	50.
1378	78.	-450.	2.	2.	1.	2.	2.5	0.8	14.	0.	65.	0.
1379	78.	-425.	2.	2.	1.	2.	5.	0.6	15.	0.	61.	0.
1380	78.	-400.	2.	2.	1.	2.	5.	1.	27.	24.	187.	5.
1381	78.	-375.	2.	2.	1.	2.	5.	1.9	18.	1.	68.	5.
1382	78.	-350.	2.	2.	1.	2.	2.5	1.	16.	0.	40.	0.
1383	78.	-325.	2.	2.	1.	2.	5.	1.3	33.	7.	143.	16.
1384	78.	-300.	2.	2.	1.	2.	5.	1.5	29.	22.	239.	10.
1385	78.	-275.	2.	2.	1.	2.	10.	1.5	44.	48.	271.	36.
1386	78.	-250.	2.	2.	1.	2.	5.	1.5	34.	2.	33.	0.
1387	78.	-225.	2.	2.	1.	2.	5.	1.9	38.	13.	88.	10.
1388	78.	-200.	2.	2.	1.	2.	5.	1.5	9.	9.	51.	5.
1389	78.	-175.	2.	2.	1.	2.	30.	1.	70.	55.	198.	68.
1390	78.	-150.	2.	2.	1.	2.	2.5	0.9	15.	13.	102.	12.
1391	78.	-125.	2.	2.	1.	2.	5.	1.9	21.	13.	92.	6.
1392	78.	-100.	2.	2.	1.	2.	5.	1.1	36.	45.	121.	28.
1393	78.	-75.	2.	2.	1.	2.	5.	2.1	23.	64.	259.	24.
1394	78.	-50.	2.	2.	1.	2.	20.	1.9	21.	32.	184.	24.
1395	78.	-25.	2.	2.	1.	2.	5.	1.5	24.	50.	369.	12.
1396	79.	-125.	2.	2.	1.	2.	5.	1.7	18.	13.	89.	5.
1397	79.	-150.	2.	2.	1.	2.	5.	0.9	47.	28.	140.	30.
1398	79.	-175.	2.	2.	1.	2.	10.	2.5	57.	51.	325.	29.
1399	79.	-200.	4.	1.	1.	2.	5.	1.6	65.	41.	187.	15.
1400	79.	-225.	2.	2.	1.	2.	5.	1.	89.	82.	270.	63.
1401	79.	-250.	2.	2.	1.	2.	5.	1.	23.	15.	88.	5.
1402	79.	-275.	2.	2.	1.	2.	10.	0.7	14.	17.	122.	9.
1403	79.	-300.	2.	2.	1.	2.	5.	1.2	33.	25.	297.	26.
1404	79.	-325.	2.	2.	1.	2.	5.	1.1	16.	16.	121.	14.
1405	79.	-350.	2.	2.	1.	2.	5.	1.4	21.	9.	92.	6.
1406	79.	-375.	2.	2.	1.	2.	10.	0.9	14.	0.	46.	2.
1407	79.	-400.	2.	2.	1.	1.	5.	0.9	43.	19.	105.	28.
1408	79.	-425.	2.	2.	1.	2.	5.	1.	14.	4.	77.	0.
1409	79.	-450.	2.	2.	1.	2.	5.	1.6	22.	12.	75.	2.
1410	79.	-475.	2.	2.	1.	2.	5.	1.	36.	34.	194.	48.
1411	79.	-500.	2.	2.	1.	2.	2.5	1.7	57.	111.	297.	114.
2221	78.	0.	2.	2.	1.	2.	5.	1.9	14.	24.	154.	4.
2222	78.	25.	2.	1.	1.	2.	5.	2.3	12.	12.	98.	5.
2223	78.	50.	2.	1.	1.	2.	5.	2.2	23.	16.	180.	2.
2224	78.	75.	2.	2.	1.	2.	5.	8.	17.	30.	281.	2.
2225	78.	100.	2.	1.	1.	4.	10.	3.9	21.	31.	143.	22.
2226	78.	125.	2.	2.	1.	2.	5.	1.6	61.	218.	519.	30.
2227	78.	150.	2.	2.	1.	2.	5.	1.1	21.	42.	154.	25.
2228	78.	175.	2.	2.	1.	2.	10.	0.9	36.	64.	180.	33.
2229	78.	200.	2.	2.	1.	2.	10.	1.	30.	73.	230.	17.
2230	78.	225.	2.	2.	1.	3.	10.	1.2	117.	69.	321.	22.
2231	78.	250.	1.	2.	1.	3.	5.	1.3	64.	30.	153.	5.
2232	78.	275.	2.	2.	1.	2.	5.	1.	63.	78.	288.	34.
2233	78.	300.	2.	1.	1.	2.	10.	1.1	18.	30.	123.	19.
2234	78.	325.	4.	3.	3.	5.	5.	0.6	32.	8.	67.	5.
2235	78.	350.	2.	1.	1.	1.	5.	1.	91.	16.	95.	7.
2632	76.	550.	1.	2.	1.	2.	5.	0.1	31.	5.	20.	4.
2633	76.	525.	1.	2.	1.	2.	5.	0.2	58.	60.	92.	10.
2634	76.	500.	1.	2.	1.	2.	5.	0.	45.	38.	58.	1.
2635	76.	475.	1.	2.	1.	2.	10.	0.1	72.	6.	26.	9.
2636	76.	450.	1.	2.	1.	2.	5.	0.1	21.	8.	21.	3.
2637	76.	425.	1.	2.	1.	1.	5.	0.2	5.	9.	17.	0.
2638	76.	400.	1.	2.	1.	2.	10.	0.2	15.	4.	21.	0.
2639	76.	375.	1.	2.	1.	4.	5.	0.2	40.	17.	84.	2.
2640	76.	350.	1.	2.	1.	2.	5.	0.1	11.	22.	58.	0.
2641	76.	325.	1.	2.	1.	2.	5.	1.	82.	44.	341.	0.

SAMPLE NO.	LINE	STN	CHAR	TEX	HOR	COL	AU	AG	CU	PB	ZN	AS
2642	76.	300.	1.	2.	1.	2.	5.	0.4	40.	54.	139.	36.
2643	76.	275.	4.	3.	3.	5.	5.	0.4	10.	16.	72.	8.
2644	76.	250.	1.	2.	1.	2.	10.	0.2	10.	17.	71.	12.
2645	76.	225.	1.	2.	1.	2.	5.	0.3	29.	26.	92.	12.
2646	76.	200.	1.	1.	1.	3.	5.	0.5	24.	4.	6.	0.
2647	76.	175.	1.	2.	1.	2.	10.	0.8	25.	47.	201.	4.
2648	76.	150.	1.	2.	1.	2.	5.	0.7	12.	13.	32.	0.
2649	76.	125.	1.	2.	1.	2.	5.	0.8	26.	52.	52.	7.
2650	76.	100.	1.	2.	1.	2.	5.	1.3	47.	46.	74.	12.
2651	76.	75.	1.	2.	1.	2.	10.	0.7	11.	34.	58.	2.
2652	76.	50.	1.	2.	1.	2.	5.	0.8	11.	13.	34.	5.
2653	76.	25.	1.	2.	1.	3.	10.	1.2	80.	14.	102.	0.
2654	76.	0.	1.	2.	1.	3.	5.	0.7	73.	41.	157.	10.
2655	76.	25.	1.	2.	1.	2.	10.	0.6	10.	11.	46.	1.
2656	76.	50.	1.	2.	1.	2.	10.	1.2	12.	19.	65.	9.
2657	76.	75.	1.	2.	1.	2.	10.	0.3	8.	10.	49.	4.
2658	76.	-100.	1.	2.	1.	2.	5.	1.2	13.	12.	48.	4.
2659	76.	-125.	1.	2.	1.	3.	5.	0.3	37.	29.	90.	15.
2660	76.	-150.	1.	2.	1.	2.	5.	1.4	12.	34.	74.	13.
2661	76.	-175.	1.	2.	1.	2.	10.	0.8	6.	8.	44.	4.
2662	76.	-200.	1.	2.	1.	2.	90.	1.1	17.	26.	84.	16.
2663	76.	-225.	1.	2.	1.	2.	10.	0.6	60.	67.	185.	32.
2664	76.	250.	1.	2.	1.	2.	5.	1.3	12.	98.	82.	18.
2665	76.	-275.	1.	2.	1.	2.	5.	1.3	44.	72.	187.	23.
2666	76.	-300.	1.	2.	1.	2.	5.	1.1	18.	73.	78.	16.
2667	76.	-325.	1.	2.	1.	2.	5.	1.2	30.	46.	132.	12.
2668	76.	-350.	1.	2.	1.	2.	10.	0.5	28.	28.	92.	21.
2669	76.	-375.	1.	2.	1.	2.	5.	0.6	7.	4.	21.	8.
2670	76.	-400.	1.	2.	1.	2.	10.	1.	13.	10.	34.	11.
2671	76.	-425.	1.	2.	1.	2.	5.	0.4	13.	17.	38.	16.
2672	76.	-450.	1.	2.	1.	2.	5.	0.7	37.	3.	43.	6.
2673	76.	-475.	1.	2.	1.	2.	5.	0.6	15.	45.	73.	12.
2674	76.	-500.	1.	2.	1.	2.	10.	0.9	11.	22.	54.	11.
2675	76.	-525.	1.	2.	1.	2.	10.	1.	40.	56.	97.	57.
2676	76.	-550.	1.	2.	1.	2.	5.	0.7	18.	38.	90.	42.
2677	76.	-575.	1.	2.	1.	2.	5.	0.9	21.	39.	109.	42.
2678	76.	-600.	1.	2.	1.	2.	10.	0.6	80.	100.	188.	125.
2679	76.	200.	1.	2.	1.	2.	5.	0.7	13.	28.	326.	9.
2680	76.	175.	1.	2.	1.	2.	5.	1.1	73.	26.	36.	13.
2681	75.	150.	1.	2.	1.	2.	5.	0.7	13.	27.	121.	8.
2682	75.	125.	1.	2.	1.	2.	10.	0.9	17.	33.	53.	13.
2683	75.	100.	1.	2.	1.	2.	5.	1.	19.	37.	66.	15.
2684	75.	75.	1.	2.	1.	2.	5.	0.4	10.	12.	35.	8.
2685	75.	50.	1.	2.	2.	2.	5.	2.5	38.	43.	100.	17.
2686	75.	25.	1.	2.	1.	2.	5.	4.8	45.	74.	334.	0.
2687	75.	0.	1.	2.	1.	2.	5.	2.1	61.	69.	279.	47.
2688	75.	-25.	1.	2.	1.	2.	10.	2.3	29.	40.	206.	7.
2689	75.	-50.	1.	2.	1.	2.	5.	1.2	16.	32.	112.	1.
2690	75.	-75.	1.	2.	1.	2.	10.	2.5	31.	93.	276.	17.
2691	75.	-100.	1.	2.	1.	2.	5.	1.3	58.	113.	272.	13.
2692	75.	-125.	1.	2.	1.	2.	5.	0.9	21.	12.	95.	0.
2693	75.	-150.	1.	2.	1.	2.	10.	1.	38.	65.	221.	39.
2694	75.	-175.	1.	2.	1.	2.	5.	1.3	32.	48.	97.	1.
2695	75.	-200.	1.	2.	1.	2.	10.	1.3	25.	30.	127.	5.
2696	75.	-225.	1.	2.	1.	2.	5.	4.8	45.	74.	334.	0.
2697	75.	-250.	3.	3.	3.	5.	5.	0.5	15.	8.	14.	4.
2698	75.	-275.	1.	2.	1.	2.	5.	1.2	66.	101.	384.	63.
2699	75.	-300.	1.	2.	1.	2.	20.	0.9	61.	29.	138.	22.
347	69.	1250.	2.	2.	1.	2.	10.	0.5	25.	7.	4.	1.
348	69.	1225.	2.	2.	1.	2.	5.	0.6	25.	10.	28.	9.

SAMPLE NO.	LINE	STN	CHAR	TEX	HOR	COL	AU	AG	CU	PB	ZN	AS
349	69.	1200.	2.	2.	1.	2.	5.	0.5	57.	10.	4.	1.
351	69.	1150.	3.	3.	3.	5.	5.	0.1	10.	0.	18.	0.
352	69.	1125.	3.	3.	3.	5.	10.	0.	10.	1.	18.	0.
353	69.	1100.	2.	2.	1.	2.	5.	0.7	28.	5.	3.	0.
354	69.	1075.	2.	2.	1.	2.	5.	0.4	17.	6.	26.	0.
355	69.	1050.	2.	2.	1.	2.	10.	0.4	25.	2.	23.	0.
356	66.	1050.	2.	2.	1.	2.	10.	0.5	60.	20.	32.	24.
357	66.	1100.	2.	2.	1.	2.	2.5	0.5	97.	19.	38.	25.
358	66.	1150.	2.	2.	1.	2.	5.	0.5	28.	7.	12.	4.
359	66.	1200.	2.	2.	1.	2.	5.	0.6	20.	3.	0.	0.
360	66.	1250.	2.	2.	1.	2.	10.	0.7	34.	19.	53.	32.
361	66.	1300.	4.	1.	3.	5.	5.	0.5	27.	0.	1.	0.
362	66.	1350.	2.	2.	1.	2.	5.	0.6	22.	13.	19.	16.
363	66.	1400.	2.	2.	1.	2.	5.	0.7	29.	10.	19.	8.
366	66.	1550.	2.	2.	1.	2.	10.	0.3	15.	7.	12.	10.
388	67.	1400.	2.	2.	1.	2.	5.	0.9	16.	10.	22.	0.
389	67.	1350.	2.	2.	1.	1.	5.	1.	60.	8.	44.	5.
390	67.	1300.	2.	2.	1.	1.	15.	0.6	16.	11.	23.	11.
392	67.	1200.	2.	2.	1.	1.	25.	1.1	68.	52.	50.	22.
393	67.	1150.	4.	1.	3.	5.	10.	0.8	32.	14.	35.	13.
394	67.	1100.	4.	3.	3.	5.	5.	0.3	10.	5.	15.	0.
395	67.	1050.	2.	2.	1.	2.	5.	0.9	22.	5.	37.	9.
400	71.	1000.	2.	2.	1.	2.	5.	0.7	14.	1.	32.	0.
401	71.	950.	2.	2.	1.	2.	10.	0.5	22.	0.	18.	0.
402	71.	900.	2.	2.	1.	2.	5.	0.7	18.	5.	3.	2.
403	71.	850.	2.	2.	1.	2.	5.	1.1	33.	4.	28.	1.
404	71.	800.	2.	2.	1.	2.	5.	0.6	16.	0.	20.	0.
405	71.	750.	2.	2.	1.	2.	10.	0.5	9.	0.	12.	0.
406	71.	700.	2.	2.	1.	2.	15.	0.5	28.	7.	39.	13.
407	71.	650.	2.	2.	1.	2.	5.	0.9	85.	0.	36.	0.
408	71.	600.	2.	2.	1.	2.	5.	0.8	35.	29.	103.	18.
409	71.	550.	2.	2.	1.	2.	10.	0.9	45.	82.	168.	14.
410	71.	500.	2.	2.	1.	2.	5.	1.8	130.	22.	198.	20.
411	71.	450.	2.	2.	1.	2.	5.	0.7	19.	4.	58.	1.
412	71.	400.	2.	2.	1.	2.	10.	0.2	26.	4.	40.	0.
413	71.	350.	2.	2.	1.	2.	5.	0.5	56.	12.	48.	15.
414	71.	300.	2.	2.	1.	2.	5.	0.9	99.	20.	77.	28.
415	71.	250.	2.	2.	1.	2.	10.	1.3	232.	337.	2220.	1.
416	71.	200.	2.	3.	3.	5.	5.	0.3	126.	42.	754.	0.
417	71.	150.	2.	2.	1.	2.	10.	0.7	98.	72.	1920.	11.
418	71.	100.	3.	3.	3.	5.	5.	0.5	355.	24.	214.	0.
419	71.	50.	2.	2.	1.	2.	10.	0.5	128.	183.	375.	89.
420	71.	0.	2.	2.	1.	2.	5.	0.8	27.	8.	107.	0.
421	71.	-50.	2.	2.	1.	2.	5.	2.	78.	59.	264.	16.
422	71.	-100.	3.	3.	3.	5.	15.	1.8	138.	14.	42.	0.
423	71.	-150.	2.	2.	1.	2.	25.	2.7	46.	59.	240.	9.
424	71.	-200.	2.	2.	1.	2.	45.	1.1	97.	201.	277.	94.
1894	71.	1050.	2.	2.	1.	2.	5.	0.8	18.	0.	29.	0.
1908	68.	1350.	3.	2.		5.	5.	0.8	37.	5.	20.	21.
1909	68.	1300.	2.	2.	1.	2.	5.	0.6	9.	6.	0.	13.
1910	68.	1250.	3.	1.		5.	10.	0.4	42.	6.	0.	16.
1911	68.	1200.	3.	3.		5.	5.	0.6	39.	15.	44.	27.
1912	68.	1150.	3.	3.		5.	5.	0.4	52.	16.	43.	27.
1913	68.	1100.	2.	2.	1.	2.	10.	1.	70.	7.	23.	0.
1914	68.	1050.	4.	2.		2.	5.	0.7	46.	4.	20.	15.
1916	72.	950.	2.	1.	1.	2.	10.	0.6	21.	0.	28.	5.
1917	72.	900.	2.	2.	1.	2.	10.	0.7	26.	3.	9.	0.
1918	72.	850.	2.	2.	1.	2.	10.	0.8	23.	7.	26.	8.
1919	72.	800.	2.	2.	1.	2.	5.	0.4	15.	0.	32.	0.
1920	72.	750.	2.	1.	1.	2.	5.	0.5	18.	0.	22.	0.

SAMPLE NO.	LINE	STN	CHAR	TEX	HOR	COL	AU	AG	CU	PB	ZN	AS
1921	72.	700.	2.	2.	1.	2.	10.	0.5	25.	0.	26.	0.
1922	72.	650.	2.	2.	1.	2.	5.	0.7	10.	0.	53.	0.
1923	72.	600.	2.	2.	1.	2.	5.	0.4	41.	0.	45.	0.
1924	72.	550.	2.	2.	1.	2.	2.5	0.6	12.	0.	32.	0.
1925	72.	500.	2.	2.	1.	2.	5.	0.6	132.	43.	231.	0.
1926	72.	450.	2.	2.	1.	2.	10.	0.9	38.	0.	98.	0.
1927	72.	400.	2.	1.	1.	2.	10.	1.1	270.	5.	45.	0.
1928	72.	350.	2.	2.	1.	2.	5.	0.8	78.	12.	52.	0.
1929	72.	300.	2.	2.	1.	2.	5.	1.	23.	4.	117.	0.
1930	72.	250.	2.	2.	1.	2.	5.	0.6	46.	74.	242.	0.
1931	72.	200.	2.	1.	1.	5.	2.5	0.7	74.	7.	626.	14.
1932	72.	150.	2.	2.	1.	2.	5.	0.7	24.	20.	143.	0.
1933	72.	100.	2.	2.	1.	2.	5.	0.6	28.	26.	197.	0.
1934	72.	50.	2.	2.	1.	2.	10.	0.8	33.	70.	197.	0.
1935	72.	0.	2.	2.	1.	2.	5.	0.6	36.	196.	204.	2.
1936	72.	-50.	2.	1.	1.	2.	5.	0.7	40.	98.	228.	15.
1937	72.	-100.	2.	2.	1.	2.	30.	1.4	14.	63.	163.	2.
1938	72.	-150.	2.	4.	1.	3.	25.	1.6	46.	58.	221.	0.
1939	72.	-200.	2.	2.	1.	2.	15.	1.2	57.	78.	389.	13.
1940	72.	-250.	2.	1.	1.	2.	2.5	1.4	25.	0.	53.	0.
1941	72.	-300.	4.	2.		5.	5.	1.	35.	1.	16.	0.
1942	72.	-350.	4.	2.		5.	10.	1.	77.	62.	250.	9.
1943	72.	-400.	2.	2.	1.	2.	5.	0.7	14.	17.	106.	2.
1944	72.	-450.	2.	1.	1.	2.	5.	1.	57.	53.	176.	0.
1945	72.	-500.	2.	2.	1.	2.	10.	0.7	12.	0.	36.	0.
1949	63.	1850.	2.	2.	1.	2.	5.	0.5	21.	0.	30.	0.
1953	73.	850.	2.	2.	1.	2.	5.	0.8	38.	0.	20.	0.
1954	73.	800.	2.	2.	1.	2.	10.	0.7	26.	0.	22.	0.
1955	73.	750.	2.	2.	1.	2.	5.	0.5	16.	0.	20.	0.
1956	73.	700.	2.	2.	1.	2.	5.	0.5	29.	0.	43.	0.
1957	73.	650.	2.	2.	1.	2.	2.5	0.6	32.	0.	22.	0.
1958	73.	600.	2.	2.	1.	2.	10.	0.4	32.	0.	37.	0.
1959	73.	550.	2.	2.	1.	2.	45.	0.6	49.	4.	237.	0.
1960	73.	500.	2.	2.	1.	2.	5.	0.7	58.	0.	152.	0.
1961	73.	450.	2.	2.	1.	2.	5.	0.4	31.	0.	67.	0.
1962	73.	400.	2.	2.	1.	2.	10.	0.6	121.	2.	111.	0.
1963	73.	350.	2.	2.	1.	2.	5.	0.4	23.	3.	54.	0.
1964	73.	300.	2.	2.	1.	2.	5.	0.3	119.	26.	161.	7.
1965	73.	250.	2.	2.	1.	2.	5.	0.8	110.	33.	131.	1.
1966	73.	200.	2.	2.	1.	2.	10.	0.9	174.	23.	1100.	0.
1967	73.	150.	2.	2.	1.	2.	2.5	0.9	32.	23.	171.	0.
1968	73.	100.	2.	2.	1.	2.	5.	1.	43.	30.	147.	0.
1969	73.	50.	2.	2.	1.	2.	15.	0.3	101.	5.	61.	9.
1970	73.	0.	2.	2.	1.	2.	10.	0.9	22.	6.	188.	0.
1971	73.	-50.	2.	2.	1.	1.	25.	2.5	76.	180.	379.	13.
1972	73.	-100.	2.	2.	1.	1.	5.	2.8	40.	21.	168.	0.
1973	73.	-150.	3.	3.	3.	2.	10.	0.5	46.	5.	88.	9.
1974	73.	-200.	2.	2.	1.	2.	5.	1.8	22.	36.	259.	0.
1975	73.	-250.	2.	2.	1.	1.	5.	1.3	34.	0.	205.	0.
1976	73.	-300.	2.	2.	1.	2.	2.5	0.8	21.	1.	85.	3.
1977	73.	-350.	2.	2.	1.	2.	5.	1.2	20.	16.	126.	0.
1978	73.	-400.	2.	2.	1.	2.	5.	1.5	33.	1.	28.	0.
1979	73.	-450.	2.	2.	1.	2.	5.	0.7	16.	3.	89.	0.
1980	73.	-500.	2.	2.	1.	2.	5.	0.6	61.	38.	136.	20.
1981	68.	-450.	2.	2.	1.	2.	15.	0.8	106.	74.	154.	13.
1982	68.	-400.	2.	2.	1.	2.	5.	0.8	25.	10.	258.	0.
1983	68.	-350.	2.	2.	1.	2.	5.	0.8	23.	11.	81.	0.
1984	68.	-300.	2.	2.	1.	2.	2.5	1.	59.	66.	172.	24.
1985	68.	-250.	4.	3.	1.	2.	10.	1.5	116.	8.	23.	3.
1986	68.	-200.	2.	2.	1.	2.	5.	1.1	52.	136.	330.	14.

SAMPLE NO.	LINE	STN	CHAR	TEX	HOR	COL	AU	AG	CU	PB	ZN	AS
1987	68.	-150.	2.	2.	1.	2.	5.	1.3	33.	31.	117.	0.
1988	68.	-100.	2.	2.	1.	2.	5.	1.9	98.	99.	311.	8.
1989	68.	-50.	2.	2.	1.	2.	10.	0.5	35.	13.	128.	0.
1990	68.	0.	2.	2.	1.	2.	5.	0.7	40.	9.	201.	0.
1991	68.	50.	2.	2.	1.	2.	5.	0.6	39.	33.	149.	3.
1992	68.	100.	2.	2.	1.	2.	5.	0.6	38.	3.	94.	0.
1993	68.	150.	2.	2.	1.	2.	5.	0.7	117.	41.	121.	0.
1994	60.	1900.	2.	2.	1.	2.	10.	0.7	25.	0.	15.	0.
1995	60.	1875.	2.	2.	1.	2.	5.	0.5	25.	0.	23.	0.
1996	60.	1850.	2.	2.	1.	2.	5.	0.5	21.	0.	27.	0.
1997	60.	1875.	2.	2.	1.	2.	5.	0.5	22.	0.	31.	0.
1998	60.	1800.	2.	2.	1.	2.	10.	0.5	13.	0.	0.	0.
1999	60.	1775.	2.	2.	1.	2.	5.	0.3	17.	0.	5.	0.
2700	70.	750.	2.	2.	1.	2.	5.	0.8	7.	0.	21.	0.
2701	70.	700.					5.	0.8	35.	8.	25.	0.
2702	70.	650.	2.	2.	1.	2.	5.	1.	19.	0.	24.	0.
2703	70.	600.	2.	2.	1.	2.	2.5	1.1	22.	13.	96.	0.
2704	70.	550.	2.	2.	1.	2.	5.	1.	17.	5.	81.	0.
2705	70.	500.	2.	2.	1.	4.	5.	1.1	22.	11.	25.	0.
2706	70.	450.	2.	2.	1.	2.	10.	0.9	80.	3.	60.	5.
2707	70.	400.	2.	2.	1.	2.	5.	1.	38.	7.	76.	0.
2708	70.	350.	2.	2.	1.	2.	5.	1.	55.	12.	71.	0.
2709	70.	300.	2.	2.	1.	4.	5.	1.5	142.	1020.	1130.	0.
2710	70.	250.	2.	2.	1.	2.	10.	0.9	26.	38.	352.	0.
2711	70.	200.	2.	2.	1.	2.	15.	0.9	109.	90.	387.	5.
2712	70.	150.	2.	2.	1.	2.	5.	0.8	99.	116.	505.	2.
2713	70.	100.	2.	2.	1.	2.	5.	1.	48.	63.	242.	0.
2714	70.	50.	2.	2.	1.	2.	10.	0.8	108.	199.	633.	50.
2715	70.	0.	2.	2.	1.	2.	5.	1.1	80.	40.	190.	9.
2716	70.	-50.	4.	1.	2.	3.	5.	1.3	42.	19.	83.	12.
2717	70.	-100.	2.	2.	1.	2.	10.	3.3	60.	164.	503.	5.
2718	70.	-150.	2.	2.	1.	2.	25.	3.2	91.	211.	572.	13.
2719	70.	-200.	2.	2.	1.	2.	15.	3.4	99.	141.	335.	1.
2720	70.	-250.	2.	2.	1.	2.	5.	1.6	38.	19.	185.	0.
2721	70.	-300.	2.	2.	1.	1.	5.	1.2	35.	25.	148.	1.
2722	70.	-350.	2.	2.	1.	4.	15.	1.	34.	57.	234.	13.
2723	70.	-400.	2.	2.	1.	2.	25.	1.4	91.	66.	360.	52.
2724	70.	-450.	2.	2.	1.	2.	5.	1.	15.	5.	80.	0.
2881	75.	650.	2.	2.	1.	2.	10.	0.8	73.	11.	70.	0.
2883	75.	600.	2.	2.		1.	5.	0.9	38.	2.	22.	0.
2884	75.	575.	2.	2.	1.	2.	5.	1.	44.	25.	217.	0.
2885	75.	550.	2.	2.	1.	2.	10.	1.1	34.	3.	410.	0.
2886	75.	525.	2.	2.	1.	2.	5.	1.1	23.	0.	69.	0.
2887	75.	500.	2.	2.	1.	2.	5.	1.1	41.	6.	498.	0.
2888	75.	475.	2.	2.	1.	2.	5.	1.	57.	16.	99.	0.
2889	75.	450.	2.	2.	1.	2.	10.	1.	38.	2.	52.	0.
2890	75.	425.	2.	2.	1.	2.	5.	0.9	26.	3.	24.	0.
2891	75.	400.	2.	2.	1.	2.	5.	0.8	30.	14.	76.	0.
2892	75.	375.	2.	2.	1.	2.	10.	1.3	51.	22.	84.	0.
2893	75.	350.	2.	2.	1.	2.	10.	0.9	57.	51.	188.	1.
2894	75.	325.	2.	2.	1.	2.	5.	1.1	95.	0.	77.	0.
2895	70.	1000.	2.	2.	1.	2.	5.	1.1	58.	3.	49.	0.
2896	70.	950.	2.	2.	1.	1.	10.	1.2	35.	4.	42.	0.
2897	70.	900.	2.	2.	1.	2.	5.	1.3	12.	0.	10.	0.
2898	70.	850.	2.	2.	1.	2.	5.	1.4	15.	0.	0.	0.
2899	70.	800.	2.	2.	1.	4.	10.	1.4	14.	0.	0.	0.
3179	70.	1150.	2.	2.	1.	2.	5.	0.4	32.	10.	17.	0.
3180	70.	1125.	4.	1.	1.	2.	2.5	0.3	34.	0.	19.	0.
3181	70.	1100.	4.	2.	1.	2.	10.	0.4	23.	7.	3.	0.
3182	70.	1075.	2.	2.	1.	2.	5.	0.3	18.	6.	27.	0.

SAMPLE NO.	LINE	STN	CHAR	TEX	HOR	COL	AU	AG	CU	PB	ZN	AS
3183	70.	1050.	2.	2.	1.	2.	10.	0.4	17.	8.	28.	0.
3184	65.	1050.	2.	2.	1.	2.	15.	0.6	56.	6.	1.	0.
3185	65.	1100.	2.	2.	1.	2.	5.	0.5	26.	7.	9.	0.
3186	65.	1150.	3.	1.	1.	1.	5.	0.1	14.	3.	10.	0.
3187	65.	1200.	2.	2.	1.	2.	10.	0.4	30.	8.	28.	0.
3188	65.	1275.	2.	1.	1.	2.	5.	0.2	15.	1.	7.	0.
3189	65.	1300.	3.	1.	1.	2.	5.	0.3	23.	5.	32.	0.
3190	65.	1350.	2.	1.	1.	2.	5.	0.6	33.	21.	46.	0.
3191	65.	1400.	2.	1.	1.	2.	2.5	0.3	16.	6.	10.	0.
3192	65.	1450.	3.	3.	2.	5.	5.	0.	44.	5.	5.	3.
3193	65.	1325.	2.	1.	1.	2.	5.	0.4	36.	18.	31.	0.
3194	65.	1550.	2.	1.	1.	2.	2.5	0.	5.	0.	2.	0.
3195	65.	1600.	2.	2.	1.	2.	10.	0.7	33.	8.	15.	0.
3196	65.	1650.	2.	2.	1.	2.	5.	0.4	22.	12.	38.	5.
3209	64.	1750.	2.	2.	1.	2.	2.5	0.7	26.	5.	32.	0.
3210	64.	1700.	2.	1.	1.	2.	5.	0.5	23.	10.	35.	27.
3211	64.	1650.	2.	1.	1.	2.	10.	1.1	33.	0.	25.	0.
3212	64.	1600.	2.	1.	1.	2.	5.	0.8	26.	0.	39.	0.
3213	64.	1550.	2.	1.	1.	2.	5.	1.	40.	0.	36.	0.
3214	64.	1500.	2.	1.	1.	2.	15.	0.6	21.	3.	50.	0.
3215	64.	1450.	4.	1.	1.	2.	10.	1.2	149.	6.	20.	0.
3216	64.	1400.	2.	1.	1.	2.	10.	0.7	13.	0.	13.	0.
3217	64.	1350.	2.	1.	1.	2.	5.	1.	14.	2.	0.	0.
3218	64.	1300.	4.	1.	1.	2.	5.	1.	107.	2.	19.	0.
3219	64.	1250.	4.	4.	1.	2.	2.5	0.9	27.	0.	37.	0.
3220	64.	1200.	3.	3.	2.	5.	5.	0.2	24.	6.	21.	17.
3221	64.	1150.	2.	2.	1.	2.	5.	0.5	29.	5.	32.	0.
3222	64.	1100.	2.	2.	1.	2.	5.	0.8	48.	5.	20.	0.
3223	64.	1050.	2.	4.	1.	3.	2.5	0.6	43.	5.	30.	0.
3229	74.	750.	2.	2.	1.	2.	5.	0.6	27.	0.	18.	0.
3230	74.	700.	2.	2.	1.	2.	5.	0.4	18.	2.	26.	0.
3231	74.	650.	2.	2.	1.	2.	5.	0.8	30.	0.	26.	0.
3232	74.	600.	2.	2.	1.	2.	5.	0.6	55.	1.	24.	0.
3233	74.	558.	2.	2.	1.	2.	2.5	0.6	49.	10.	27.	0.
3234	74.	500.	2.	2.	1.	2.	5.	0.6	54.	1.	61.	0.
3235	74.	450.	2.	2.	1.	2.	10.	0.8	44.	3.	78.	0.
3236	74.	400.	2.	2.	1.	2.	5.	0.3	48.	5.	74.	0.
3237	74.	350.	2.	2.	1.	2.	5.	0.5	34.	10.	72.	4.
3238	74.	300.	2.	2.	1.	2.	5.	0.6	32.	30.	206.	0.
3239	74.	250.	2.	2.	1.	2.	10.	0.5	106.	85.	266.	0.
3240	74.	200.	2.	1.	1.	2.	5.	0.8	109.	19.	207.	0.
3241	74.	150.	2.	2.	1.	2.	5.	0.6	73.	27.	205.	5.
3242	74.	100.	2.	2.	1.	2.	5.	0.6	55.	8.	127.	0.
3243	74.	50.	2.	2.	1.	2.	10.	0.8	39.	469.	565.	0.
3244	74.	0.	2.	2.	1.	2.	10.	1.	19.	5.	224.	0.
3245	74.	50.	2.	1.	1.	2.	2.5	2.7	48.	8.	49.	3.
3246	74.	-100.	2.	2.	1.	2.	5.	2.5	33.	68.	126.	0.
3247	74.	-150.	2.	2.	1.	2.	5.	1.4	41.	33.	167.	12.
3248	74.	-200.	2.	2.	1.	2.	10.	1.4	45.	48.	244.	9.
3249	74.	-250.	2.	2.	1.	2.	5.	0.7	36.	0.	130.	0.
3250	74.	-300.	2.	1.	1.	4.	5.	1.	16.	3.	129.	0.
3251	74.	-350.	2.	1.	1.	2.	5.	1.4	24.	19.	128.	7.
3252	74.	-400.	2.	2.	1.	2.	5.	1.4	14.	4.	45.	0.
3253	74.	-450.	2.	2.	1.	2.	2.5	0.7	23.	1.	116.	0.
3254	74.	-500.	2.	2.	1.	2.	2.5	0.8	12.	0.	36.	0.
3255	74.	550.	2.	2.	1.	2.	5.	0.3	31.	27.	152.	19.
3256	69.	-425.	2.	1.	1.	2.	5.	1.	86.	96.	485.	0.
3257	69.	-400.	2.	2.	1.	2.	10.	1.1	76.	157.	632.	14.
3258	69.	-375.	2.	2.	1.	2.	5.	0.3	62.	81.	483.	27.
3259	69.	-350.	2.	2.	1.	2.	5.	0.7	17.	14.	226.	0.

SAMPLE NO.	LINE	STN	CHAR	TEX	HOR	COL	AU	AG	CU	PB	ZN	AS
3260	69.	-325.	2.	2.	1.	2.	2.5	0.5	51.	33.	285.	13.
3261	69.	-300.	2.	1.	1.	2.	5.	0.7	100.	371.	785.	13.
3262	69.	-275.	2.	1.	1.	2.	5.	1.4	46.	48.	223.	0.
3263	69.	-250.	2.	1.	1.	2.	5.	1.1	33.	53.	196.	15.
3264	69.	225.	2.	1.	1.	2.	10.	1.3	45.	65.	243.	24.
3266	69.	175.	2.	2.	1.	2.	15.	1.4	112.	127.	532.	0.
3267	69.	150.	2.	1.	1.	2.	25.	4.6	41.	152.	316.	4.
3268	69.	125.	2.	2.	1.	2.	15.	2.5	25.	67.	157.	2.
3269	69.	100.	2.	2.	1.	2.	2.5	1.5	77.	123.	388.	23.
3270	69.	75.	2.	2.	1.	4.	5.	0.9	31.	46.	343.	0.
3271	69.	50.	2.	1.	1.	2.	5.	1.3	41.	42.	571.	0.
3272	69.	25.	4.	1.	1.	2.	15.	1.	109.	97.	1190.	19.
3273	69.	0.	2.	1.	1.	2.	10.	0.7	61.	102.	493.	13.
3274	69.	25.	2.	1.	1.	2.	5.	0.7	27.	12.	105.	0.
3275	69.	50.	2.	2.	1.	2.	5.	0.6	25.	40.	140.	0.
3276	69.	75.	2.	2.	1.	2.	5.	0.4	51.	73.	247.	12.
3277	69.	100.	2.	1.	1.	2.	2.5	0.8	144.	63.	232.	14.
3278	69.	1025.	2.	2.	1.	2.	2.5	0.7	52.	4.	55.	0.
3279	69.	1000.	2.	1.	1.	2.	5.	0.9	44.	0.	62.	0.
3280	69.	975.	2.	1.	1.	2.	2.5	0.8	25.	0.	32.	0.
3281	69.	950.	2.	2.	1.	2.	2.5	0.7	39.	2.	25.	0.
3282	69.	925.	2.	1.	1.	2.	5.	0.6	30.	2.	25.	0.
3283	69.	900.	2.	2.	1.	2.	5.	0.6	31.	2.	33.	0.
3284	69.	875.	2.	2.	1.	2.	5.	0.9	26.	0.	28.	0.
3285	69.	850.	2.	2.	1.	2.	10.	0.8	24.	5.	17.	0.
3286	69.	825.	2.	2.	1.	2.	5.	0.5	13.	0.	1.	0.
3287	69.	800.	2.	1.	1.	2.	10.	0.4	23.	0.	21.	0.
3288	69.	775.	2.	2.	1.	2.	10.	0.9	31.	5.	39.	0.
3289	69.	750.	2.	2.	1.	2.	10.	0.5	16.	4.	18.	0.
3290	69.	725.	2.	2.	1.	2.	10.	0.8	25.	5.	27.	0.
3291	69.	700.	2.	2.	1.	2.	5.	0.7	15.	0.	6.	0.
3292	69.	675.	2.	2.	1.	2.	5.	0.8	31.	1.	24.	0.
3293	69.	650.	2.	2.	1.	2.	5.	0.6	18.	0.	26.	0.
3294	69.	625.	2.	2.	1.	2.	10.	0.9	35.	0.	37.	0.
3295	69.	600.	2.	2.	1.	2.	5.	0.6	26.	0.	46.	0.
3296	69.	575.	2.	2.	1.	2.	5.	0.8	76.	5.	46.	0.
3297	69.	550.	2.	2.	1.	2.	5.	0.7	74.	0.	30.	0.
3298	69.	525.	2.	2.	1.	2.	10.	0.5	27.	16.	55.	0.
3299	69.	500.	2.	2.	1.	4.	2.5	0.5	18.	5.	46.	0.
3300	69.	475.	2.	2.	1.	2.	5.	0.3	24.	7.	34.	0.
3301	69.	450.	2.	2.	1.	2.	5.	0.5	91.	4.	43.	0.
3302	69.	425.	2.	2.	1.	4.	5.	0.5	91.	4.	43.	0.
3303	69.	400.	2.	2.	1.	2.	5.	0.6	22.	4.	54.	0.
3304	69.	375.	4.	2.	1.	2.	5.	0.6	158.	27.	284.	0.
3305	69.	350.	2.	1.	1.	2.	10.	0.6	86.	14.	82.	0.
3306	69.	325.	2.	1.	1.	2.	10.	0.6	30.	12.	111.	0.
3307	69.	300.	2.	2.	1.	4.	5.	0.6	75.	1540.	693.	9.
3308	69.	275.	2.	2.	1.	2.	5.	0.3	48.	38.	143.	0.
3309	69.	250.	4.	1.	1.	2.	5.	0.8	65.	26.	2220.	0.
3310	69.	215.	2.	1.	1.	2.	15.	0.5	91.	57.	272.	0.
3311	69.	200.	2.	2.	1.	2.	5.	0.7	39.	57.	242.	0.
3312	69.	175.	2.	1.	1.	2.	20.	0.6	64.	52.	249.	6.
3313	69.	150.	2.	2.	1.	2.	10.	0.7	64.	34.	496.	0.
3314	69.	125.	2.	2.	1.	2.	15.	0.5	60.	39.	157.	0.
3315	68.	200.	2.	2.	1.	2.	5.	0.9	40.	34.	164.	0.
3316	68.	250.	2.	2.	1.	2.	5.	0.4	66.	50.	215.	0.
3317	68.	300.	2.	2.	1.	2.	5.	0.3	50.	22.	158.	0.
3318	68.	350.	2.	2.	1.	2.	5.	0.4	46.	9.	84.	0.
3319	68.	400.	2.	2.	1.	2.	10.	0.2	26.	10.	100.	0.
3320	68.	450.	2.	2.	1.	4.	5.	0.4	59.	2.	72.	0.

SAMPLE NO.	LINE	STN	CHAR	TEX	HOR	COL	AU	AG	CU	PB	ZN	AS
3321	68.	500.	2.	1.	1.	2.	5.	0.9	194.	11.	42.	0.
3322	68.	550.	2.	2.	1.	2.	10.	0.7	32.	0.	14.	0.
3323	68.	600.	2.	2.	1.	2.	5.	0.8	17.	1.	53.	0.
3324	68.	650.	2.	1.	1.	2.	10.	0.6	12.	1.	112.	0.
3325	71.	-250.	2.	2.	1.	2.	5.	2.8	75.	43.	213.	0.
3326	71.	-300.	2.	2.	1.	2.	5.	1.6	64.	29.	205.	0.
3327	71.	-350.	2.	2.	1.	2.	5.	1.	32.	41.	273.	16.
3328	71.	-900.	2.	2.	1.	2.	15.	2.8	122.	544.	406.	29.
3329	71.	-450.	2.	2.	1.	2.	15.	1.4	63.	184.	228.	38.
3330	71.	-500.	2.	2.	1.	2.	5.	1.	30.	83.	129.	4.
3331	67.	-450.	2.	2.	1.	2.	2.5	1.3	20.	59.	67.	3.
3332	67.	-400.	2.	2.	1.	2.	5.	1.	37.	71.	170.	9.
3333	67.	-350.	2.	2.	1.	2.	5.	1.	16.	37.	133.	0.
3334	67.	-300.	2.	2.	1.	2.	5.	1.5	89.	48.	103.	0.
3335	67.	-250.	2.	2.	1.	2.	5.	2.	98.	99.	181.	27.
3336	67.	-200.	2.	2.	1.	2.	15.	2.	68.	168.	302.	31.
3337	67.	-150.	2.	2.	1.	2.	5.	1.5	50.	47.	88.	0.
3338	67.	-100.	2.	2.	1.	2.	5.	1.6	70.	68.	333.	2.
3339	67.	-50.	2.	2.	1.	2.	10.	1.5	45.	115.	363.	21.
3340	67.	0.	2.	2.	1.	2.	5.	2.	22.	45.	153.	3.
3341	60.	1750.	2.	2.	1.	2.	5.	0.8	19.	16.	31.	2.
3342	60.	1725.	2.	2.	1.	2.	5.	0.8	37.	14.	39.	0.
3343	60.	1700.	2.	2.	1.	2.	5.	1.	43.	22.	40.	0.
3344	60.	1675.	2.	2.	1.	2.	5.	0.6	15.	9.	36.	0.
3346	60.	1625.	2.	2.	1.	2.	5.	0.8	23.	11.	32.	15.
3347	60.	1600.	2.	2.	1.	2.	5.	0.9	10.	36.	24.	0.
3348	60.	1575.	2.	2.	1.	2.	5.	1.	15.	12.	56.	0.
3349	60.	1550.	2.	2.	1.	2.	5.	1.	18.	10.	36.	0.
3350	75.	-225.	2.	2.	1.	2.	5.	0.9	44.	43.	258.	6.
3351	75.	-250.	3.	3.	3.	5.	5.	1.	125.	11.	324.	3.
3352	75.	-275.	2.	2.	1.	2.	2.5	1.	51.	55.	452.	9.
3353	75.	-300.	2.	2.	1.	2.	5.	0.9	48.	27.	114.	4.
3354	75.	-325.	2.	2.	1.	2.	5.	0.8	38.	39.	134.	23.
3355	75.	-350.	2.	2.	1.	1.	5.	1.	10.	10.	64.	0.
3356	75.	-375.	2.	2.	1.	2.	5.	1.1	24.	12.	72.	0.
3357	75.	-400.	2.	2.	1.	2.	5.	0.9	12.	12.	77.	0.9
3358	75.	-425.	2.	2.	1.	2.	5.	0.6	21.	15.	80.	0.
3359	75.	-450.	2.	2.	1.	2.	5.	0.4	30.	45.	109.	0.
3360	75.	-475.	2.	2.	1.	2.	5.	0.7	25.	31.	135.	0.
3361	75.	-500.	2.	2.	1.	2.	2.5	0.8	8.	4.	42.	0.
3362	75.	-525.	2.	2.	1.	2.	20.	0.6	126.	100.	220.	130.
3363	75.	-550.	2.	2.	1.	2.	5.	0.7	11.	18.	50.	0.
3364	75.	-575.	2.	2.	1.	2.	2.5	0.8	25.	34.	126.	23.
3365	75.	-600.	2.	2.	1.	2.	5.	0.8	26.	34.	75.	29.
3366	61.	-175.	2.	2.	1.	2.	5.	2.5	44.	130.	292.	0.
3367	61.	-200.	2.	2.	1.	1.	5.	1.3	99.	32.	155.	0.
3368	61.	-225.	2.	2.	1.	1.	5.	1.5	77.	138.	449.	31.
3369	61.	-250.	2.	2.	1.	2.	5.	2.	78.	97.	388.	1.
3370	61.	-275.	2.	2.	1.	1.	10.	1.	56.	71.	274.	35.
3371	61.	-300.	2.	2.	1.	2.	5.	1.5	19.	29.	71.	4.
3372	61.	-325.	2.	2.	1.	2.	5.	1.	15.	9.	49.	0.
3373	61.	-350.	2.	2.	1.	2.	5.	1.	12.	6.	71.	0.
3374	61.	-375.	2.	2.	1.	2.	5.	1.3	32.	26.	145.	0.
3375	68.	700.	2.	2.	1.	2.	5.	1.	21.	6.	23.	0.
3376	68.	750.	2.	2.	1.	2.	5.	0.8	53.	12.	63.	0.
3377	68.	800.	2.	1.	1.	2.	5.	0.8	40.	4.	26.	0.
3378	68.	850.	2.	2.	1.	1.	5.	0.7	54.	10.	39.	0.
3379	68.	900.	2.	2.	1.	2.	5.	0.6	7.	2.	9.	0.
3380	68.	950.	2.	2.	1.	2.	2.5	0.9	12.	0.	11.	0.
3381	68.	1000.	2.	2.	1.	2.	5.	0.9	18.	2.	25.	0.

SAMPLE NO.	LINE	STN	CHAR	TEX	HOR	COL	AU	AG	CU	PB	ZN	AS
3382	67.	1000.	2.	2.	1.	2.	2.5	0.8	33.	11.	55.	0.
3383	67.	950.	2.	2.	1.	2.	5.	0.8	20.	5.	22.	0.
3384	67.	900.	2.	2.	1.	2.	5.	1.5	33.	4.	50.	0.
3385	67.	850.	3.	3.	2.	5.	5.	0.	32.	0.	133.	0.
3386	67.	800.	4.	1.	1.	3.	5.	1.	17.	3.	14.	0.
3387	67.	750.	2.	2.	1.	2.	5.	1.	39.	13.	44.	0.
3388	67.	700.	2.	2.	1.	2.	5.	0.8	14.	0.	12.	0.
3389	67.	650.	2.	2.	1.	2.	5.	0.6	19.	0.	29.	0.
3390	67.	600.	2.	2.	1.	2.	5.	0.7	19.	0.	80.	0.
3391	67.	550.	2.	2.	1.	2.	5.	0.9	42.	0.	60.	0.
3392	67.	500.	2.	2.	1.	4.	5.	0.7	36.	2.	91.	0.
3393	67.	450.	2.	2.	1.	2.	10.	1.	22.	3.	59.	0.
3394	67.	400.	4.	2.	1.	2.	5.	0.8	105.	3.	50.	0.
3395	67.	350.	2.	2.	1.	4.	5.	0.2	22.	87.	430.	1.
3396	67.	300.	2.	2.	1.	2.	.5.	0.4	84.	19.	429.	0.
3397	67.	250.	2.	2.	1.	2.	5.	0.5	21.	5.	97.	2.
3398	67.	200.	2.	2.	1.	2.	10.	0.4	79.	60.	331.	0.
3399	67.	150.	2.	2.	1.	2.	5.	0.5	99.	34.	310.	20.
3400	67.	100.	4.	1.	1.	2.	5.	1.	99.	20.	232.	8.
3401	67.	50.	2.	2.	1.	4.	15.	0.8	95.	334.	1290.	4.
3402	66.	50.	2.	2.	1.	2.	5.	0.5	28.	28.	182.	11.
3403	66.	0.	2.	1.	1.	2.	5.	1.	64.	171.	305.	10.
3404	66.	-50.	2.	2.	1.	2.	5.	0.8	11.	29.	139.	4.
3405	66.	-100.	2.	2.	1.	2.	5.	0.9	28.	46.	270.	9.
3406	66.	-150.	2.	1.	1.	4.	5.	3.6	24.	46.	209.	6.
3407	66.	-200.	4.	2.	1.	2.	5.	2.4	106.	26.	183.	0.
3408	66.	-250.	2.	2.	1.	2.	2.5	0.6	25.	20.	138.	5.
3409	66.	-300.	2.	2.	1.	2.	5.	0.5	32.	13.	99.	8.
3410	66.	-350.	2.	2.	1.	2.	5.	0.4	17.	3.	94.	0.
3411	66.	-400.	2.	2.	1.	2.	5.	0.7	23.	23.	131.	5.
3412	66.	475.	2.	2.	1.	2.	5.	0.8	28.	14.	71.	9.
3413	64.	1000.	2.	2.	1.	2.	5.	0.6	21.	0.	33.	0.
3414	64.	950.	2.	2.	1.	2.	5.	0.7	38.	0.	60.	0.
3415	64.	900.	2.	2.	1.	2.	5.	0.9	20.	0.	28.	0.
3416	64.	850.	2.	2.	1.	2.	5.	0.5	55.	1.	18.	0.
3417	64.	800.	2.	2.	1.	2.	5.	0.7	40.	0.	17.	0.
3418	64.	750.	2.	2.	1.	2.	5.	0.6	19.	5.	24.	0.
3419	64.	700.	2.	2.	1.	2.	5.	0.8	28.	8.	16.	0.
3420	64.	650.	2.	2.	1.	2.	5.	0.8	34.	4.	51.	0.
3421	64.	600.	2.	2.	1.	2.	10.	0.9	25.	4.	35.	0.
3422	64.	550.	2.	2.	1.	2.	5.	1.	68.	9.	110.	0.
3423	64.	500.	2.	2.	1.	4.	5.	0.8	68.	16.	75.	0.
3424	64.	450.	2.	2.	1.	2.	5.	0.9	76.	32.	94.	0.
3425	61.	450.	2.	2.	1.	2.	10.	0.8	68.	16.	55.	0.
3426	61.	425.	2.	2.	1.	4.	5.	0.8	70.	14.	48.	0.
3427	61.	400.	2.	2.	1.	2.	5.	0.5	24.	5.	36.	0.
3428	61.	375.	2.	2.	1.	2.	5.	0.8	45.	74.	150.	0.
3429	61.	350.	2.	2.	1.	2.	5.	0.8	46.	153.	212.	0.
3430	61.	325.	2.	2.	1.	2.	5.	0.7	33.	40.	226.	0.
3431	61.	300.	2.	2.	1.	2.	5.	0.6	36.	139.	759.	7.
3432	61.	275.	2.	2.	1.	2.	5.	0.7	85.	292.	1220.	0.
3433	61.	250.	2.	2.	1.	2.	40.	3.	172.	1170.	2840.	22.
3434	61.	225.	2.	2.	1.	1.	15.	0.8	88.	279.	1110.	4.
3435	61.	200.	2.	2.	1.	2.	5.	1.1	64.	107.	313.	6.
3436	61.	175.	2.	2.	1.	4.	5.	1.	52.	68.	346.	8.
3437	61.	150.	2.	2.	1.	4.	5.	1.1	50.	43.	238.	4.
3438	61.	125.	2.	2.	1.	4.	5.	1.	24.	49.	194.	8.
3439	61.	100.	2.	2.	1.	2.	2.5	1.	43.	39.	160.	0.
3440	61.	75.	2.	2.	1.	2.	5.	0.7	35.	45.	169.	0.
3441	61.	50.	4.	3.	1.	5.	5.	0.8	183.	26.	131.	0.

SAMPLE NO.	LINE	STN	CHAR	TEX	HOR	COL	AU	AG	CU	PB	ZN	AS
3442	61.	25.	2.	2.	1.	2.	5.	0.8	98.	82.	338.	14.
3443	61.	0.	2.	2.	1.	2.	5.	1.3	34.	30.	164.	0.
3444	61.	-25.	3.	3.	3.	5.	5.	1.5	215.	28.	227.	3.
3445	61.	-50.	2.	2.	1.	2.	5.	1.6	74.	112.	302.	16.
3446	61.	-75.	5.	3.	1.	3.	5.	0.7	72.	54.	159.	23.
3447	61.	-100.	2.	2.	1.	2.	5.	1.3	56.	21.	107.	0.
3448	61.	-125.	2.	2.	1.	1.	5.	0.9	22.	11.	90.	0.
3449	61.	-150.	2.	2.	1.	2.	5.	0.9	57.	32.	133.	0.
3450	60.	375.	2.	2.	1.	2.	5.	0.8	33.	49.	301.	2.
3451	60.	350.	2.	2.	1.	2.	5.	0.6	50.	176.	533.	18.
3452	60.	325.	2.	2.	1.	2.	20.	0.7	29.	252.	671.	0.
3453	60.	300.	2.	2.	1.	2.	5.	0.8	17.	72.	357.	0.
3454	60.	275.	2.	2.	1.	2.	15.	1.	105.	455.	763.	30.
3455	60.	250.	2.	1.	1.	1.	5.	1.3	88.	64.	315.	4.
3456	60.	225.	2.	2.	1.	2.	5.	0.8	27.	33.	206.	7.
3457	60.	200.	2.	2.	1.	2.	5.	0.8	37.	28.	180.	9.
3458	60.	175.	2.	2.	1.	2.	2.5	1.	20.	14.	79.	4.
3459	60.	150.	2.	2.	1.	4.	5.	1.	25.	20.	138.	1.
3460	60.	125.	2.	2.	1.	2.	5.	1.	17.	24.	248.	5.
3461	60.	100.	2.	2.	1.	2.	5.	1.	28.	17.	96.	2.
3462	60.	75.	2.	2.	1.	4.	5.	1.1	81.	45.	154.	10.
3463	60.	50.	2.	2.	1.	2.	5.	0.6	79.	92.	503.	23.
3464	60.	25.	2.	2.	1.	4.	2.5	0.6	17.	18.	159.	0.
3465	60.	0.	2.	2.	1.	1.	10.	0.6	15.	40.	106.	0.
3466	60.	-25.	2.	2.	1.	1.	5.	0.6	10.	19.	128.	0.
3467	60.	-50.	2.	2.	1.	1.	5.	0.6	57.	29.	150.	0.
3468	60.	-75.	2.	2.	1.	2.	5.	0.8	25.	24.	130.	0.
3469	60.	-100.	2.	2.	1.	1.	5.	0.8	28.	32.	73.	0.
3470	60.	-125.	2.	2.	1.	2.	2.5	1.1	24.	19.	94.	0.
3471	60.	-150.	2.	2.	1.	4.	5.	0.8	15.	10.	69.	0.
3472	60.	-175.	2.	2.	1.	4.	5.	0.6	50.	45.	101.	13.
3473	60.	-200.	2.	2.	1.	2.	5.	0.8	41.	34.	124.	3.
3474	60.	-225.	2.	2.	1.	2.	10.	0.7	41.	36.	151.	9.
3475	60.	500.	2.	2.	1.	2.	5.	0.7	15.	10.	102.	0.
3476	61.	1050.	2.	2.	1.	2.	5.	0.8	29.	5.	76.	0.
3477	61.	1025.	2.	2.	1.	1.	5.	0.7	19.	1.	30.	0.
3478	61.	1000.	2.	2.	1.	2.	5.	1.5	15.	0.	10.	10.
3479	61.	975.	2.	2.	1.	2.	5.	1.6	28.	0.	14.	0.
3480	61.	950.	2.	2.	1.	2.	5.	1.5	19.	0.	34.	0.
3481	61.	925.	2.	2.	1.	1.	10.	1.6	13.	0.	13.	0.
3482	61.	900.	2.	2.	1.	2.	5.	1.7	48.	0.	33.	0.
3483	61.	875.	2.	2.	1.	2.	5.	1.5	15.	0.	12.	0.
3484	61.	850.	2.	2.	1.	2.	5.	1.6	36.	0.	42.	0.
3485	61.	825.	2.	2.	1.	2.	5.	1.4	13.	0.	18.	9.
3486	61.	800.	2.	2.	1.	2.	5.	1.5	18.	0.	16.	0.
3487	61.	775.	2.	2.	1.	2.	10.	0.8	17.	0.	17.	0.
3488	61.	750.	2.	2.	1.	2.	5.	0.7	24.	0.	12.	0.
3489	61.	725.	2.	2.	1.	1.	5.	0.8	45.	0.	0.	0.
3490	61.	700.	2.	2.	1.	2.	5.	0.9	21.	0.	18.	0.
3491	61.	675.	2.	2.	1.	2.	5.	1.	35.	0.	10.	0.
3492	61.	650.	2.	2.	1.	2.	5.	1.	20.	0.	8.	0.
3493	61.	625.	2.	2.	1.	2.	5.	0.9	19.	0.	3.	0.
3495	61.	575.	2.	2.	1.	2.	10.	0.7	58.	83.	314.	0.
3496	61.	550.	2.	2.	1.	2.	5.	1.	43.	24.	178.	2.
3497	61.	525.	2.	2.	1.	2.	20.	0.	134.	351.	322.	56.
3498	61.	500.	2.	2.	1.	2.	5.	0.4	32.	4.	28.	0.
3499	61.	475.	2.	2.	1.	2.	10.	0.3	153.	1.	30.	0.
3500	63.	1800.	2.	2.	1.	2.	5.	0.7	14.	0.	17.	0.
3501	63.	1750.	2.	2.	1.	2.	5.	0.7	31.	0.	25.	0.
3502	63.	1700.	2.	2.	1.	2.	5.	0.7	23.	0.	23.	0.

SAMPLE NO.	LINE	STN	CHAR	TEX	HOR	COL	AU	AG	CU	PB	ZN	AS
3503	63.	1650.	2.	2.	1.	2.	5.	0.5	20.	1.	7.	12.
3504	63.	1600.	2.	2.	1.	2.	5.	1.1	30.	0.	32.	0.
3505	63.	1550.	2.	2.	1.	2.	2.5	1.2	20.	0.	9.	0.
3506	63.	1500.	2.	2.	1.	2.	5.	0.8	15.	0.	15.	6.
3507	63.	1450.	2.	2.	1.	2.	5.	1.	23.	0.	15.	0.
3508	63.	1400.	2.	2.	1.	2.	5.	1.3	14.	4.	12.	3.
3509	63.	1350.	2.	2.	1.	2.	5.	0.7	26.	0.	23.	0.
3510	63.	1300.	2.	1.	1.	2.	10.	0.5	78.	0.	36.	0.
3511	63.	1250.	4.	2.	1.	2.	5.	0.9	23.	0.	16.	0.
3512	63.	1200.	4.	2.	1.	2.	5.	1.2	33.	6.	6.	0.
3513	63.	1150.	4.	2.	1.	2.	2.5	0.7	33.	0.	0.	0.
3514	63.	1100.	2.	2.	1.	2.	5.	0.9	24.	0.	17.	0.
3515	63.	1050.	2.	2.	1.	2.	5.	0.3	34.	10.	27.	0.
3516	63.	1000.	4.	2.	1.	2.	10.	0.7	22.	0.	18.	0.
3517	66.	950.	2.	2.	1.	2.	5.	0.5	13.	1.	19.	0.
3518	66.	900.	2.	2.	1.	2.	5.	0.9	56.	0.	33.	0.
3519	66.	850.	2.	2.	1.	2.	2.5	0.6	21.	2.	20.	0.
3520	66.	800.	2.	2.	1.	2.	5.	1.	30.	4.	14.	0.
3521	66.	750.	2.	2.	1.	2.	5.	0.4	22.	4.	24.	0.
3522	66.	700.	2.	2.	1.	2.	5.	0.5	31.	9.	28.	0.
3523	66.	650.	2.	2.	1.	2.	2.5	0.7	39.	10.	30.	0.
3524	66.	600.	2.	2.	1.	2.	10.	0.9	33.	8.	55.	0.
3525	60.	1525.					5.	0.9	16.	3.	47.	0.
3526	60.	1500.	2.	2.	1.	2.	5.	0.6	29.	0.	18.	0.
3527	60.	1475.	2.	2.	1.	2.	5.	1.1	43.	0.	17.	0.
3528	60.	1450.	2.	2.	1.	2.	5.	0.4	27.	3.	32.	0.
3529	60.	1425.	2.	2.	1.	2.	5.	0.7	26.	0.	27.	0.
3530	60.	1400.	2.	2.	1.	2.	5.	0.4	41.	0.	0.	0.
3531	60.	1375.	2.	2.	1.	2.	5.	1.	37.	3.	0.	0.
3532	60.	1350.	2.	2.	1.	2.	5.	0.5	15.	4.	0.	0.
3533	60.	1325.	2.	2.	1.	2.	5.	1.2	62.	0.	23.	0.
3534	60.	1300.	2.	2.	1.	2.	10.	0.9	35.	3.	0.	0.
3535	60.	1275.	2.	2.	1.	2.	5.	0.4	29.	3.	8.	0.
3536	60.	1250.	2.	2.	1.	2.	5.	0.5	34.	0.	22.	0.
3537	60.	1225.	2.	2.	1.	2.	5.	0.5	15.	3.	18.	0.
3539	60.	1175.	2.	2.	1.	2.	10.	0.4	40.	4.	13.	0.
3540	60.	1150.	2.	2.	1.	2.	5.	0.4	37.	9.	30.	0.
3541	60.	1125.	2.	2.	1.	2.	10.	0.5	24.	2.	21.	0.
3542	60.	1100.	2.	2.	1.	2.	5.	0.7	25.	0.	15.	0.
3543	60.	1075.	4.	1.	1.	2.	5.	0.6	65.	6.	34.	0.
3544	60.	1050.	2.	1.	1.	2.	5.	0.6	13.	3.	5.	0.
3545	61.	1800.	2.	2.	1.	2.	2.5	0.6	37.	5.	36.	0.
3546	61.	1075.	4.	2.	1.	2.	5.	0.7	59.	5.	35.	0.
3548	61.	1125.	4.	2.	1.	1.	5.	0.5	26.	3.	13.	0.
3549	61.	1150.	4.	1.	1.	1.	5.	0.6	30.	2.	10.	0.
3550	61.	1175.	2.	2.	1.	2.	5.	0.9	35.	0.	13.	0.
3551	61.	1200.	2.	2.	1.	2.	10.	0.4	22.	1.	0.	0.
3552	61.	1225.	2.	2.	1.	2.	5.	0.6	20.	0.	13.	0.
3553	61.	1250.	2.	2.	1.	2.	10.	0.5	22.	6.	9.	0.
3554	61.	1275.	2.	2.	1.	2.	5.	0.7	43.	4.	29.	0.
3555	61.	1300.	2.	2.	1.	2.	5.	0.3	21.	3.	4.	0.
3556	61.	1325.	2.	2.	1.	2.	10.	0.3	20.	0.	0.	0.
3557	61.	1350.	2.	2.	1.	2.	5.	0.7	48.	1.	16.	0.
3558	61.	1375.	2.	2.	1.	2.	5.	0.7	20.	5.	0.	0.
3559	61.	1400.	2.	2.	1.	2.	5.	0.6	82.	7.	38.	0.
3560	61.	1425.	4.	1.	1.	1.	5.	0.8	106.	11.	48.	0.
3561	61.	1450.	2.	2.	1.	2.	5.	0.7	36.	0.	29.	0.
3562	61.	1475.	2.	2.	1.	2.	10.	1.	27.	0.	16.	0.
3563	61.	1500.	2.	2.	1.	2.	5.	0.8	39.	0.	48.	0.
3564	61.	1525.	2.	2.	1.	2.	5.	0.8	11.	10.	7.	0.

SAMPLE NO.	LINE	STN	CHAR	TEX	HOR	COL	AU	AG	CU	PB	ZN	AS
3565	61.	1550.	2.	2.	1.	2.	10.	0.8	15.	0.	16.	0.
3566	61.	1575.	2.	2.	1.	2.	5.	0.7	18.	0.	10.	0.
3567	61.	1600.	2.	2.	1.	2.	5.	1.	20.	3.	16.	0.
3568	61.	1625.	2.	2.	1.	2.	5.	0.4	14.	0.	50.	0.
3569	61.	1650.	2.	2.	1.	2.	20.	0.6	21.	0.	40.	0.
3570	61.	1675.	2.	2.	1.	2.	5.	0.3	15.	0.	32.	0.
3571	61.	1700.	2.	2.	1.	2.	5.	0.4	15.	2.	47.	0.
3572	61.	1725.	2.	2.	1.	2.	5.	0.1	10.	0.	23.	0.
3573	61.	1750.	2.	2.	1.	2.	10.	0.2	14.	0.	41.	0.
3574	61.	1775.	2.	2.	1.	2.	5.	0.1	24.	3.	26.	0.
3575	64.	400.	2.	2.	1.	2.	5.	0.1	48.	1.	69.	0.
3576	64.	350.	2.	2.	1.	2.	10.	0.2	235.	30.	258.	21.
3577	64.	300.	2.	2.	1.	2.	5.	0.4	51.	31.	365.	10.
3578	64.	250.	2.	2.	1.	2.	25.	4.	190.	2890.	2730.	44.
3579	64.	200.	2.	2.	1.	2.	15.	1.5	148.	811.	1760.	32.
3580	64.	150.	2.	1.	1.	2.	5.	0.4	27.	50.	230.	14.
3581	64.	100.	2.	1.	1.	2.	5.	0.6	37.	55.	210.	14.
3582	64.	50.	2.	2.	1.	2.	5.	0.3	37.	35.	141.	6.
3583	64.	0.	2.	2.	1.	2.	2.5	0.7	27.	18.	166.	7.
3584	64.	-50.	2.	2.	1.	2.	5.	0.6	122.	171.	247.	45.
3585	64.	-100.	2.	2.	1.	2.	5.	0.7	37.	52.	172.	15.
3586	64.	-150.	2.	2.	1.	2.	10.	1.5	96.	147.	317.	39.
3588	64.	-250.	2.	2.	1.	2.	10.	0.	81.	51.	171.	42.
3589	64.	-300.	2.	2.	1.	2.	5.	0.7	20.	25.	104.	0.
3590	64.	-350.	2.	1.	1.	2.	15.	0.6	65.	35.	141.	24.
3591	64.	-400.	2.	2.	1.	2.	5.	0.3	24.	30.	130.	10.
3592	64.	-450.					5.	0.8	70.	50.	149.	37.
3615	78.	300.	5.	2.	5.	3.	10.	0.2	60.	3.	128.	0.
3616	78.	250.	2.	2.	1.	2.	10.	0.2	48.	86.	301.	25.
3617	78.	200.	2.	1.	1.	2.	5.	1.2	23.	65.	154.	2.
3618	78.	150.	2.	2.	1.	4.	5.	1.2	23.	65.	154.	2.
3619	78.	100.	2.	2.	1.	4.	5.	0.8	13.	26.	123.	2.
3620	78.	50.	2.	2.	1.	2.	10.	1.1	11.	17.	93.	0.
3621	78.	0.	2.	2.	1.	2.	25.	4.8	19.	110.	302.	2.
3622	78.	-50.	2.	1.	1.	2.	15.	1.	32.	13.	188.	5.
3623	78.	-100.	2.	2.	1.	2.	5.	0.9	29.	30.	286.	26.
3624	78.	-150.	2.	5.	1.	2.	5.	0.	99.	99.	336.	237.
3625	78.5	-200.	2.	4.	1.	2.	10.	0.3	111.	107.	264.	109.
3626	78.5	-250.	2.	1.	1.	2.	5.	0.9	61.	17.	110.	6.
3627	78.5	-300.	4.	2.	1.	2.	5.	0.8	112.	16.	94.	1.
3628	78.5	-350.	2.	2.	1.	2.	5.	0.6	19.	9.	120.	8.
3629	78.5	-400.	2.	2.	1.	2.	5.	0.6	12.	3.	61.	0.
3630	78.5	-450.	2.	1.	1.	4.	2.5	0.6	14.	2.	39.	0.
3650	61.	1825.	2.	2.	1.	2.	5.	0.5	15.	0.	27.	0.
3651	61.	1850.	2.	2.	1.	2.	5.	0.3	11.	3.	22.	0.
3652	61.	1875.	1.	2.		1.	5.	0.5	50.	4.	51.	0.
3653	61.	1900.	2.	2.	1.	2.	5.	0.5	14.	1.	60.	0.
3654	61.	1925.	2.	2.	1.	2.	5.	0.5	13.	0.	28.	0.
3655	61.	1950.	2.	2.	1.	2.	10.	0.2	13.	0.	34.	0.
3656	61.	1975.	2.	2.	1.	2.	5.	0.3	22.	0.	28.	0.
3657	61.	2000.	2.	2.	1.	2.	5.	0.4	16.	0.	52.	0.
3659	62.	1950.	2.	2.	1.	2.	2.5	0.	14.	0.	55.	0.
3660	62.	1900.	4.	1.	1.	1.	5.	0.4	41.	0.	47.	0.
3661	62.	1850.	2.	2.	1.	2.	5.	0.5	18.	0.	67.	0.
3662	62.	1800.	2.	2.	1.	2.	5.	0.4	9.	0.	1.	0.
3663	62.	1750.	2.	2.	1.	2.	5.	0.1	38.	4.	67.	0.
3664	62.	1700.	2.	2.	1.	2.	10.	0.2	9.	0.	40.	0.
3665	62.	1650.	2.	2.		2.	5.	0.3	18.	0.	28.	0.
3666	62.	1600.	2.	2.	1.	2.	5.	0.2	9.	2.	17.	0.
3667	62.	1550.	2.	2.	1.	2.	5.	0.9	23.	0.	54.	0.

SAMPLE NO.	LINE	STN	CHAR	TEX	HOR	COL	AU	AG	CU	PB	ZN	AS
3668	62.	1500.	2.	2.	1.	2.	10.	0.2	10.	1.	9.	2.
3669	62.	1450.	2.	2.	1.	2.	5.	0.6	29.	0.	31.	0.
3680	65.	850.	2.	2.	1.	2.	5.	0.9	34.	0.	36.	0.
3681	65.	800.	2.	2.	1.	2.	5.	0.7	22.	0.	68.	0.
3682	65.	750.	2.	2.	1.	2.	5.	0.6	34.	0.	28.	0.
3683	65.	700.	2.	2.	1.	2.	5.	0.5	14.	0.	20.	0.
3684	65.	650.	2.	2.	1.	2.	5.	0.9	56.	0.	62.	0.
3685	65.	600.	2.	2.	1.	2.	5.	0.7	36.	0.	37.	0.
3686	65.	550.	2.	2.	1.	2.	2.5	0.5	28.	0.	47.	0.
3687	65.	500.	2.	2.	1.	2.	10.	0.5	57.	0.	62.	0.
3688	65.	450.	2.	2.	1.	2.	5.	0.5	26.	0.	38.	0.
3689	65.	100.	2.	2.	1.	2.	10.	0.7	59.	3.	78.	0.
3690	65.	350.	2.	2.	1.	2.	5.	0.3	15.	0.	165.	0.
3691	65.	300.	2.	2.	1.	2.	5.	0.3	47.	104.	657.	0.
3692	65.	250.	2.	2.	1.	2.	20.	0.8	14.	608.	2080.	28.
3693	65.	200.	2.	2.	1.	2.	15.	0.6	28.	50.	2580.	2.
3694	65.	150.	2.	2.	1.	2.	10.	0.5	61.	14.	190.	0.
3695	65.	100.	2.	2.	1.	2.	5.	1.	26.	27.	277.	3.
3696	65.	50.	2.	2.	1.	2.	5.	0.4	28.	36.	489.	6.
3697	65.	0.	2.	2.	1.	2.	5.	0.7	47.	41.	283.	0.
3698	65.	-50.	2.	2.	1.	2.	10.	0.8	45.	14.	193.	3.
3699	65.	-100.	4.	1.	1.	1.	2.5	1.	30.	2.	81.	3.
3700	65.	-150.	2.	2.	1.	2.	10.	2.5	65.	179.	429.	19.
3701	65.	-200.	2.	2.	1.	2.	1430.	0.7	29.	0.	129.	94.
3702	65.	-250.	2.	2.	1.	2.	5.	1.2	50.	40.	219.	1.
3703	65.	-300.	2.	2.	1.	2.	10.	0.9	14.	0.	126.	0.
3704	65.	-350.	2.	2.	1.	2.	5.	0.9	27.	0.	124.	3.
3705	65.	-400.	2.	2.	1.	2.	10.	0.7	31.	17.	189.	16.
3706	65.	-450.	2.	2.	1.	2.	5.	0.5	29.	16.	108.	12.
3750	66.	550.	2.	2.	1.	2.	5.	0.5	32.	0.	88.	0.
3751	66.	500.	2.	2.	1.	2.	5.	0.4	9.	0.	68.	0.
3752	66.	450.	2.	2.	1.	2.	5.	0.7	21.	0.	26.	0.
3753	66.	400.	4.	2.	1.	2.	5.	0.4	127.	23.	77.	0.
3755	66.	300.	2.	2.	1.	2.	5.	0.7	27.	204.	728.	7.
3756	66.	250.	2.	2.	1.	2.	15.	0.9	31.	188.	1760.	10.
3758	66.	150.	2.	2.	1.	2.	40.	0.6	42.	38.	457.	0.
3800	60.	400.	2.	2.	1.	4.	5.	0.4	26.	0.	103.	0.
3801	60.	425.	2.	2.	1.	4.	5.	0.4	62.	6.	75.	0.
3802	60.	450.	2.	2.	1.	4.	5.	0.7	32.	0.	36.	0.
3803	60.	475.	2.	2.	1.	4.	10.	0.2	51.	0.	50.	4.
3804	60.	500.	2.	2.	1.	4.	10.	0.1	34.	0.	56.	4.
3805	60.	525.	2.	2.	1.	2.	5.	0.4	17.	0.	38.	0.
3806	60.	550.	2.	2.	1.	2.	5.	0.6	24.	6.	51.	0.
3807	60.	575.	2.	2.	1.	2.	5.	0.7	39.	10.	82.	0.
3808	60.	600.	2.	2.	1.	2.	5.	0.4	38.	0.	70.	0.
3809	60.	625.	2.	2.	1.	2.	2.5	0.4	13.	0.	21.	0.
3810	60.	650.	2.	2.	1.	2.	5.	0.6	17.	0.	25.	0.
3811	60.	675.					5.	0.3	12.	0.	13.	0.
3812	60.	700.	2.	2.	1.	2.	5.	0.4	23.	0.	37.	0.
3813	60.	725.	5.	3.	2.	3.	5.	0.3	41.	6.	59.	0.
3814	60.	750.	2.	2.	1.	2.	2.5	0.8	34.	0.	36.	0.
3815	60.	775.	2.	2.	1.	2.	2.5	0.7	13.	0.	25.	0.
3816	60.	800.	2.	2.	1.	2.	2.5	0.7	15.	0.	21.	0.
3817	60.	825.	2.	2.	1.	1.	5.	0.9	27.	0.	22.	0.
3818	60.	850.	2.	2.	1.	2.	10.	0.7	35.	0.	40.	0.
3819	60.	875.	2.	2.	1.	1.	5.	0.8	24.	0.	14.	0.
3820	60.	900.	2.	2.	1.	2.	10.	0.6	12.	0.	0.	0.
3821	60.	925.	2.	2.	1.	2.	5.	0.4	17.	0.	25.	0.
3822	60.	950.	2.	2.	1.	1.	5.	0.8	35.	0.	39.	0.
3823	60.	975.	2.	2.	1.	1.	5.	0.4	11.	0.	26.	0.

SAMPLE NO.	LINE	STN	CHAR	TEX	HOR	COL	AU	AG	CU	PB	ZN	AS
3824	60.	1000.	2.	2.	1.	2.	5.	0.8	19.	0.	8.	0.
3825	60.	1025.	2.	2.	1.	2.	5.	0.6	38.	0.	59.	0.
3826	60.	1050.	2.	2.	1.	2.	5.	0.9	21.	0.	56.	0.
3827	62.	1050.	2.	2.	1.	2.	2.5	1.	32.	0.	30.	0.
3828	62.	1000.	2.	2.	1.	2.	5.	0.7	53.	0.	58.	0.
3829	62.	950.	2.	2.	1.	2.	10.	0.7	36.	0.	52.	0.
3830	62.	900.	2.	2.	1.	2.	5.	1.	19.	0.	24.	0.
3831	62.	850.	2.	2.	1.	2.	5.	0.3	6.	0.	33.	0.
3832	62.	800.	2.	2.	1.	4.	5.	0.3	21.	0.	22.	0.
3833	62.	750.	2.	2.	1.	2.	5.	0.4	28.	0.	33.	0.
3834	62.	700.	2.	2.	1.	2.	10.	0.4	36.	0.	39.	0.
3835	62.	650.	2.	2.	1.	2.	10.	0.5	19.	0.	21.	0.
3836	62.	600.	2.	2.	1.	2.	5.	0.5	28.	0.	38.	0.
3837	62.	550.	2.	2.	1.	2.	5.	0.4	13.	0.	32.	0.
3838	62.	500.	2.	2.	1.	4.	10.	0.5	38.	4.	30.	0.
3839	62.	450.	2.	2.	1.	2.	5.	0.3	20.	0.	46.	0.
3840	62.	400.	2.	2.	1.	2.	5.	0.4	17.	0.	102.	0.
3841	62.	350.	2.	2.	1.	2.	5.	0.3	99.	22.	1090.	8.
3842	62.	300.	2.	2.	1.	4.	10.	0.4	37.	623.	1690.	18.
3843	62.	250.	2.	2.	1.	2.	10.	0.6	115.	87.	2190.	0.
3844	62.	200.	2.	2.	1.	4.	5.	0.6	45.	112.	3020.	3.
3845	62.	150.	2.	2.	1.	2.	5.	0.9	54.	46.	530.	7.
3846	62.	100.	2.	2.	1.	1.	10.	0.	172.	118.	412.	18.
3847	62.	50.	2.	2.	1.	2.	2.5	0.6	27.	11.	171.	0.
3848	62.	0.	2.	2.	1.	2.	5.	0.8	46.	68.	268.	5.
3849	62.	-50.	2.	2.	1.	2.	10.	0.8	49.	46.	399.	1.
3850	62.	-100.	2.	2.	1.	2.	5.	0.4	64.	27.	177.	1.
3851	62.	-150.	4.	1.	1.	3.	5.	1.1	55.	0.	43.	1.
3852	62.	-200.	3.	2.	1.	2.	10.	1.5	26.	9.	128.	2.
3853	62.	-250.	2.	2.	1.	2.	5.	0.5	28.	41.	211.	20.
3854	62.	-300.	2.	2.	1.	2.	5.	0.8	27.	71.	416.	39.
3855	62.	-350.	2.	2.	1.	2.	10.	1.	46.	52.	170.	23.
3856	62.	-400.	2.	2.	1.	2.	5.	0.4	21.	0.	94.	0.
3857	62.	-450.	2.	2.	1.	1.	10.	1.2	65.	49.	175.	40.
3858	63.	-400.	2.	2.	1.	2.	5.	0.9	12.	0.	73.	6.
3859	63.	-350.	2.	2.	1.	2.	5.	0.3	81.	28.	237.	29.
3860	63.	-300.	2.	2.	1.	2.	5.	0.8	40.	10.	163.	19.
3861	63.	-250.	2.	2.	1.	2.	5.	0.8	17.	11.	119.	0.
3862	63.	-200.	2.	2.	1.	2.	10.	1.5	29.	35.	138.	24.
3863	63.	-150.	3.	2.	2.	3.	25.	4.4	109.	61.	127.	14.
3864	63.	-100.	2.	2.	1.	1.	10.	1.9	20.	5.	105.	0.
3865	63.	-50.	2.	2.	1.	2.	5.	1.2	75.	87.	257.	9.
3866	63.	0.	2.	2.	1.	1.	5.	1.	23.	15.	198.	0.
3867	63.	150.	2.	2.	1.	2.	10.	0.7	21.	10.	199.	0.
3868	63.	100.	2.	2.	1.	2.	15.	1.	83.	30.	226.	2.
3869	63.	50.	2.	2.	1.	2.	10.	0.8	41.	65.	193.	9.
3892	63.	1000.	2.	2.	1.	2.	5.	1.	33.	0.	41.	0.
3893	63.	950.	2.	2.	1.	1.	10.	1.	34.	0.	68.	11.
3894	63.	900.	2.	2.	1.	2.	10.	0.6	72.	0.	69.	5.
3895	63.	850.	2.	2.	1.	2.	2.5	0.7	15.	0.	38.	0.
3896	63.	800.	2.	2.	1.	2.	5.	0.5	12.	0.	26.	0.
3897	63.	750.	2.	2.	1.	1.	10.	0.6	21.	0.	51.	9.
3898	63.	700.	2.	2.	1.	2.	5.	0.8	62.	4.	62.	23.
3899	63.	650.	2.	2.	1.	1.	5.	1.7	91.	0.	26.	14.
3925	63.	600.	2.	2.	1.	2.	5.	1.1	69.	0.	62.	8.
3926	63.	550.	2.	2.	1.	2.	15.	1.3	39.	0.	68.	0.
3927	63.	500.	2.	2.	1.	2.	20.	1.	65.	0.	62.	11.
3928	63.	450.	2.	2.	1.	4.	10.	0.7	49.	0.	88.	26.
3929	63.	400.	2.	2.	1.	4.	5.	1.1	28.	0.	80.	12.
3930	63.	350.	2.	2.	1.	2.	10.	1.2	62.	8.	151.	60.

SAMPLE NO.	LINE	STN	CHAR	TEX	HOR	COL	AU	AG	CU	PB	ZN	AS
3931	63.	300.	2.	2.	1.	2.	35.	0.5	85.	269.	1270.	46.
3932	63.	250.	2.	2.	1.	4.	10.	1.1	63.	101.	775.	37.
3933	63.	200.	2.	2.	1.	4.	20.	0.7	61.	36.	240.	25.
3934	78.5	-550.	2.	2.	1.	4.	20.	0.4	50.	65.	303.	73.
3935	78.5	-500.	2.	2.	1.	4.	15.	0.4	35.	53.	216.	68.
3670	62.	1400.	2.	2.	1.	2.	5.	0.7	16.	0.	55.	2.
3671	62.	1350.	2.	2.	1.	2.	15.	0.4	19.	0.	39.	9.
3672	62.	1300.	2.	2.	1.	2.	10.	0.6	31.	0.	59.	7.
3673	62.	1250.	2.	2.	1.	2.	5.	1.	21.	0.	66.	0.
3674	62.	1200.	4.	1.	1.	2.	10.	0.7	34.	0.	64.	0.
3675	62.	1150.	4.	1.	1.	1.	10.	0.6	33.	0.	40.	3.
3676	62.	1100.	4.	2.	1.	2.	15.	1.	32.	0.	49.	3.
3677	65.	1000.	2.	2.	1.	2.	20.	0.7	33.	0.	54.	7.
3678	65.	950.	2.	2.	1.	2.	5.	1.1	27.	0.	58.	9.
3679	65.	900.	2.	2.	1.	2.	5.	0.7	17.	0.	29.	9.
396	60.	2000.	2.	2.	1.	2.	5.	0.2	20.	4.	34.	4.
397	60.	1975.	2.	2.	1.	2.	10.	0.6	25.	6.	50.	7.
398	60.	1950.	2.	2.	1.	2.	10.	0.7	20.	1.	50.	0.
399	60.	1925.	2.	2.	1.	2.	15.	0.8	23.	2.	57.	0.

BLANK SPACES REPRESENT NUMBERS THAT ARE MISSING OR HAVE OTHERWISE BEEN CODED AS 'SPECIAL VALUES'. ALL Q'GAS PROGRAMS RECOGNIZE THESE VALUES AS MISSING AND TREAT THEM ACCORDINGLY.

The following additional samples were taken to detail and extend initial coverage. For locations, refer to Map 1.

COMPANY: FALCONBRIDGE COPPER LTD. | MIN-EN LABS ICP REPORT | (ACT:GE032) PAGE 1 OF 1

PROJECT No: 216-80 | 5 WEST 15th ST., NORTH VANCOUVER, B.C. V7M | FILE No: 4-965/P1&2

ATTENTION: I. FIRIE/A. DAVIDSON | (604)980-5814 OR (604)988-4524 *TYPE: SOIL GEOCHEM* | DATE: SEPTEMBER 19, 1984

SEP 21 1984

(REPORT VALUES IN PPM)		AG	AS	CU	PB	ZN	AU-PPB
GZ 1		1.1	0	17	56	302	5
GZ 2		1.0	19	67	140	281	5
GZ 3		.3	0	1	27	183	5
GZ 4		.6	0	6	13	148	5
GZ 5		.3	18	32	56	223	10
GZ 6		.4	0	18	23	99	5
GZ 7		.8	21	86	120	311	5
GZ 8		1.0	24	75	82	298	10
GZ 9		.7	0	27	33	137	5
GZ 10		.3	0	16	28	116	5
GZ 11		1.7	0	10	26	212	5
GZ 12		1.6	0	12	34	219	100
GZ 13		.7	0	112	21	174	10
GZ 14		1.0	0	36	28	151	5
GZ 15		.3	0	21	38	127	5
GZ 16		.9	0	24	42	276	5
GZ 17		1.3	0	45	89	495	5
GZ 18		1.1	0	24	44	276	5
GZ 19		.6	31	0	9	82	75
GZ 20		.2	17	46	25	96	40
GZ 21		.6	0	5	29	150	5
GZ 22		1.2	7	52	109	206	5
GZ 23		1.5	15	25	53	214	5
GZ 24		.3	41	24	6	99	40
GZ 25		.4	27	64	42	142	5
GZ 26		.3	47	35	24	95	5
GZ 27		1.3	8	52	91	320	5
GZ 28		3.0	0	70	59	214	5
GZ 29		.7	68	75	81	240	275
GZ 30		1.5	0	0	9	98	5
GZ31		1.7	0	60	47	154	5
GZ32		.5	25	17	36	108	10
GZ33		.9	9	67	95	232	5
GZ34		.9	43	96	151	236	10
GZ35		.6	143	72	54	134	1200
GZ36		.9	0	41	62	135	10
GZ37		1.2	2	35	50	107	5
GZ38		.7	11	14	31	116	5
GZ39		.7	8	44	54	136	5
GZ40		1.4	33	96	130	216	10
GZ41		.7	0	38	32	104	5
GZ42		1.0	0	16	157	129	5
AA001		.8	15	22	14	21	5
AA002		.7	12	13	32	50	5
AA003	40M	.6	32	92	13	8	5
AA004		.9	8	30	28	121	5
AA005		.9	0	32	36	72	10
AA006		.8	2	5	14	61	5
AA007		1.0	12	18	17	29	5
AA008		.7	17	12	21	67	5
AA009		.7	11	7	21	101	5
AA010		.8	9	17	16	46	10
AA011		1.0	0	25	35	111	5
AA012		1.4	0	33	55	103	5
AA013		1.0	9	12	16	45	5
AA014		.8	14	11	21	75	5
AA015		.8	9	20	24	55	5
AA016		.7	0	13	25	27	5
AA017		1.0	7	34	46	74	5
AA018		.6	62	53	109	166	10

COMPANY: FALCONBRIDGE COPPER
PROJECT No: 216-80
ATTENTION: I.PIRIE/A.DAVIDSON

MIN-EN LABS ICP REPORT
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524. *TYPE SOIL GEOCHEM*

(ACT:GE038) PAGE 1 OF 1
FILE No: 4-963S/P3+4
DATE: SEPTEMBER 13, 1984

(REPORT VALUES IN PPM)	AG	AS	CU	PB	ZN	AU-PPB
AA019	.3	0	22	40	111	10
AA020	1.2	0	23	13	46	5
AA021	.7	0	18	52	159	10
AA022	.7	6	56	19	42	5
AA023	.6	0	25	24	56	5
AA024	.4	0	2	17	41	10
AA025	.7	0	11	23	77	5
AA026	1.0	0	16	22	74	25
AA027	.4	7	7	43	92	5
AA028	.4	0	3	17	100	5
AA029	.5	0	4	27	104	5
AA030	.5	7	28	38	98	10
AA031	.6	0	2	16	87	5
AA032	.6	5	38	44	90	5
AA033	.9	59	49	83	269	10
AA034	1.3	111	28	136	287	15
AA035	.9	84	22	100	178	10
AA036	.8	14	45	30	89	5
AA037	.9	2	3	14	58	5
AA038	1.0	23	32	48	163	5
AA039	1.0	0	4	28	52	5
AA040	.7	14	18	26	67	5
AA041	.9	4	24	16	22	10
AA042	1.0	0	3	15	41	5
AA043	.9	18	17	52	111	5
AA044	1.3	3	14	65	122	5
AA045	2.3	0	9	38	285	5
AA046	1.6	0	15	56	359	5
AA047	1.3	25	14	61	148	<5
AA048	.9	6	26	33	125	5
AA049	.7	15	16	82	176	5
AA050	.5	0	25	27	106	5
AA051	.9	0	23	22	32	5
AA052	.8	7	66	92	385	20
AA053	.3	46	52	101	216	30
AA054	1.2	58	25	42	107	10
AA055	.9	0	15	23	87	5
AA056	.6	6	12	23	67	5
AA057	.6	54	42	105	315	10
AA058	1.6	29	60	89	250	10
AA059	.7	43	40	98	246	5
AA060	.9	43	63	98	211	5
AA061	.3	0	78	79	147	5
AA062	.6	48	70	116	262	5
AA063	.4	0	82	44	128	<5
AA064	1.0	0	57	82	223	5
AA065	1.2	0	28	26	66	5
AA066	.7	0	51	36	92	5
AA067	.7	0	19	29	53	5
AA068	.7	0	26	32	105	5
AA069	.5	0	19	29	100	5
AA070	.7	141	143	174	325	10
AA071	.7	0	19	24	78	5
AA072	.6	23	25	41	139	5
AA073	.6	0	15	30	63	5
AA074	.7	45	34	61	208	<5
AA075	.9	19	100	69	144	5
AA076	.5	27	51	21	25	10
AA077 40MESH	.1	29	27	15	22	5
AA078	.4	15	30	30	82	40

COMPANY: FALCONBRIDGE COPPER
PROJECT No: 216-80
ATTENTION: I.FIRIE/A.DAVIDSON

MIN-EN LABS ICP REPORT
WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T
(604)980-5814 OR (604)988-4524 *TYPE SOIL GEOCHEM*

(ACT:GEO33) PAGE 1 OF 1
FILE No: 4-9658/PS+6
DATE: SEPTEMBER 13, 1984

(REPORT VALUES IN PPM)		AG	AS	CU	PB	ZN	AU-PPB
AA079		.4	0	26	28	85	5
AA080		.9	0	36	21	19	20
AA081		.6	0	19	22	43	10
AA082		.9	0	28	22	36	5
AA083		.5	0	21	25	83	5
AA084		.6	0	37	23	9	5
AA085		.9	0	25	48	179	5
AA086		.8	0	30	24	75	10
AA087		.7	3	28	40	59	15
AA088		.7	35	93	99	201	5
AA089		1.2	0	29	28	157	10
AA090		1.1	1	32	17	20	5
AA091		.7	0	21	32	85	5
AA092		.7	0	40	32	58	5
AA093		1.1	0	41	31	53	5
AA094		.8	0	41	25	43	5
AA095		.8	3	60	26	30	5
AA096		.7	0	17	24	63	5
AA097		.7	0	15	33	124	5
AA098		.8	0	12	24	16	10
AA099		.9	0	24	24	42	5
AA100		.7	0	25	24	91	5
AA101		.7	30	21	40	77	5
AA102		1.3	3	37	25	36	5
AA103		1.0	0	18	43	164	5
AA104		1.1	0	23	40	128	5
AA105		1.1	0	24	31	138	10
AA106		1.1	0	16	33	100	5
AA107		.7	0	31	36	135	5
AA108		1.0	0	30	30	102	5
AA109		5.4	0	13	28	80	5
AA110		2.2	0	19	50	126	5
AA111		1.0	14	6	19	56	10
AA112		1.0	0	8	32	51	5
AA113		1.2	0	17	26	51	5
AA114		1.0	0	18	33	93	5
AA115		1.2	33	40	89	136	<5
AA116		1.3	11	27	49	115	5
AA117	40M	1.6	0	19	19	47	5
AA118		1.6	0	10	27	119	5
AA119		1.5	19	31	67	204	5
AA120		2.0	0	11	47	70	5
AA121		.8	0	21	40	102	5
AA122		1.3	0	9	19	42	<5
AA123		1.3	24	46	47	145	5
AA124		.9	22	15	26	51	5
AA125		.9	60	35	92	202	5
AA126	40M	.6	12	3	22	38	5
AA127		1.1	0	28	40	67	5
AA128		1.0	0	16	33	111	10
AA129		1.2	0	17	42	147	5
AA130		1.6	0	50	44	63	5
AA131		.7	13	16	17	21	5
AA132		.9	10	10	26	79	10
AA133		1.5	0	21	30	80	5
AA134		.9	0	14	29	73	5
AA135		1.0	0	37	24	78	5
AA136		.9	0	19	33	100	5
AA137		2.0	0	32	24	50	5
AA138		.9	11	11	31	71	<5

COMPANY: FALCONBRIDGE COPPER
PROJECT No: 216-80
ATTENTION: I.PIRIE/A.DAVIDSON

MIN-EN LABS ICP REPORT
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524. *TYPE SOIL GEOCHEM*

(ACT:GEO38) PAGE 1 OF 1
FILE No: 4-965S/P7
DATE: SEPTEMBER 13, 1984

(REPORT VALUES IN PPM)	AG	AS	CU	PB	ZN	AU-FPB
AA139 40M	.8	23	17	17	16	5
AA140	1.1	58	12	57	110	10
AA141	1.0	4	42	19	58	5
AA142	.7	19	15	29	99	5
AA143	.8	21	18	31	60	<5

SEE INSET A

CLAIM BOUNDARY

INSET A

Creek

- LEGEND -

LAKES

RIVERS, CREEKS

CONTOUR INTERVAL (10 FT)

ROADS

TREE CLEARING AREA

Pb, As, ppm

> 100 Pb ppm

> 186.2 Pb ppm

LOCATION MAP

1 2 4 3

GEOLOGICAL BRANCH
ASSESSMENT REPORT

13,614

CORPORATION FALCONBRIDGE COPPER

REA GOLD OPTION

GEOCHEMISTRY

CONTOURED Pb ppm

0 50 100 200 300 400 500 m

SCALE: 1:5000

DRAWN BY: TP/dg

DATE: NOV. 1984 N.T.S. 82M/4W

FIG. NO. 5

SEE INSET A

CLAIM BOUNDARY

INSET A

- LEGEND -

LAKES

RIVERS, CREEKS

CONTOUR INTERVAL 100 FT.

ROADS

TREE CLEARING AREA

25-50 Cu, Zn ppm

) 50 Cu ppm

) 110.4 Cu ppm

LOCATION MAP

SCALE 1:250,000

1 2 4 3

CORPORATION FALCONBRIDGE COPPER

REA GOLD OPTION

GEOCHEMISTRY

CONTOURED Cu ppm

0 50 100 200 300 400 500 m

SCALE: 1:5000

DRAWN BY: IP/dg

DATE NOV. 1984 N.T.S. 82 M/4 W

FIG. NO. 6

SEE INSET A

CLAIM BOUNDARY

INSET A

Creek

LEGEND

LAKES

RIVERS, CREEKS

CONTOUR INTERVAL 100 FT

TRAILS

TREE CLEARING AREA

68-8 Pb, As ppm

> 50 As ppm

> 89.5 As ppm

KEY MAP

1 2 3 4

GEOLOGICAL BRANCH
ASSESSMENT REPORT

13,614

CORPORATION FALCONBRIDGE COPPER

REA GOLD OPTION

GEOCHEMISTRY

CONTOURED As ppm

0 50 100 200 300 400 500 m

SCALE: 1:5000

DRAWN BY: TP/dg

DATE: NOV. 1984 N.T.S. 82M/4W

FIG. NO. 4

SEE INSET A

CLAIM BOUNDARY

INSET A

- L E G E N D -

LAKES

RIVERS, CREEKS

CONTOUR INTERVAL 100 FT

ROADS

TREE CLEARING AREA

25/50 Cu, Zn ppm

> 636.8 Zn ppm

> 1000 Zn ppm

LOCATION MAP

1	2
4	3

GEOLOGICAL BRANCH
ASSESSMENT REPORT

13,614

CORPORATION FALCONBRIDGE COPPER

REA GOLD OPTION

GEOCHEMISTRY

CONTOURED Zn ppm

SCALE: 1:5000

DRAWN BY: LP/sg

DATE: NOV. 1984 N.T.S. 82M/4W

FIG. NO. 3

SEE INSET A

CLAIM BOUNDARY

INSET A

Creek

- L E G E N D -

LAKES

RIVERS, CREEKS

4500 4700 CONTOUR INTERVAL 100 FT

ROADS

TREE CLEARING AREA

LOCATION MAP

1 2 4 3

GEOLOGICAL BRANCH
ASSESSMENT REPORT

13,614

CORPORATION FALCONBRIDGE COPPER

REA GOLD OPTION

GEOCHEMISTRY

SOIL SAMPLE LOCATIONS

SCALE: 1:5000

DRAWN BY: P/dg

DATE: NOV. 1984 N.T.S. 82M/4W

FIG. NO. 1

SEE INSET A

CLAIM BOUNDARY

L 2410+00 NW
L 2340+00 NW
L 2810+00 NW
L 2080+00 NW
L 1950+00 NW
L 1820+00 NW
L 1690+00 NW
L 1560+00 NW
L 1430+00 NW
L 1300+00 NW
L 1170+00 NW
L 1040+00 NW
L 910+00 NW
L 780+00
L 650+00 NW

INSET A

AA - BL 0

4700
4600

L 2990+00 NW
L 2860+00 NW
L 2730+00 NW
L 2600+00 NW

Creek

- LEGEND -

LAKES
RIVERS, CREEKS
CONTOUR INTERVAL 100 FT
ROADS
TREE CLEARING AREA

10 Au ppb
2 Ag ppm

LOCATION MAP
SCALE 1:250,000

1 | 2
4 | 3

JOHNSON LAKE
SIMMS LAKE

GEOLOGICAL BRANCH
ASSESSMENT REPORT

13,614

CORPORATION FALCONBRIDGE COPPER

REA GOLD OPTION

GEOCHEMISTRY

CONTOURED Au ppb, Ag ppm

0 50 100 200 300 400 500 m
SCALE: 1:5000

DRAWN BY: IP/dg
DATE: NOV. 1984
N.T.S. 82 M/4 W

FIG. NO. 2