GEOPHYSICAL & GEOCHEMICAL REPORT ON THE KENA COPPER GRID FOR ASSESSMENT CREDITS ON THE SCHIST 1, SCHIST 2, SCHIST 3, SCHIST FR., COTTONWOOD AND HALL MINERAL CLAIMS (K-GROUP)

NELSON MINING DIVISION
NTS 82F/6
LAT. 49°26'10"; LONG. 117°16'40"; NTS 82F/6W

VOLUME I - GEOCHEMICAL REPORT

OWNER OF CLAIMS: OTTO & OTAKAR JANOUT, CHARLES PITTMAN

OPERATOR: NORAMCO MINING CORPORATION

AUTHOR: W.J. LEWIS

DATE: DECEMBER 1990

TABLE OF CONTENTS

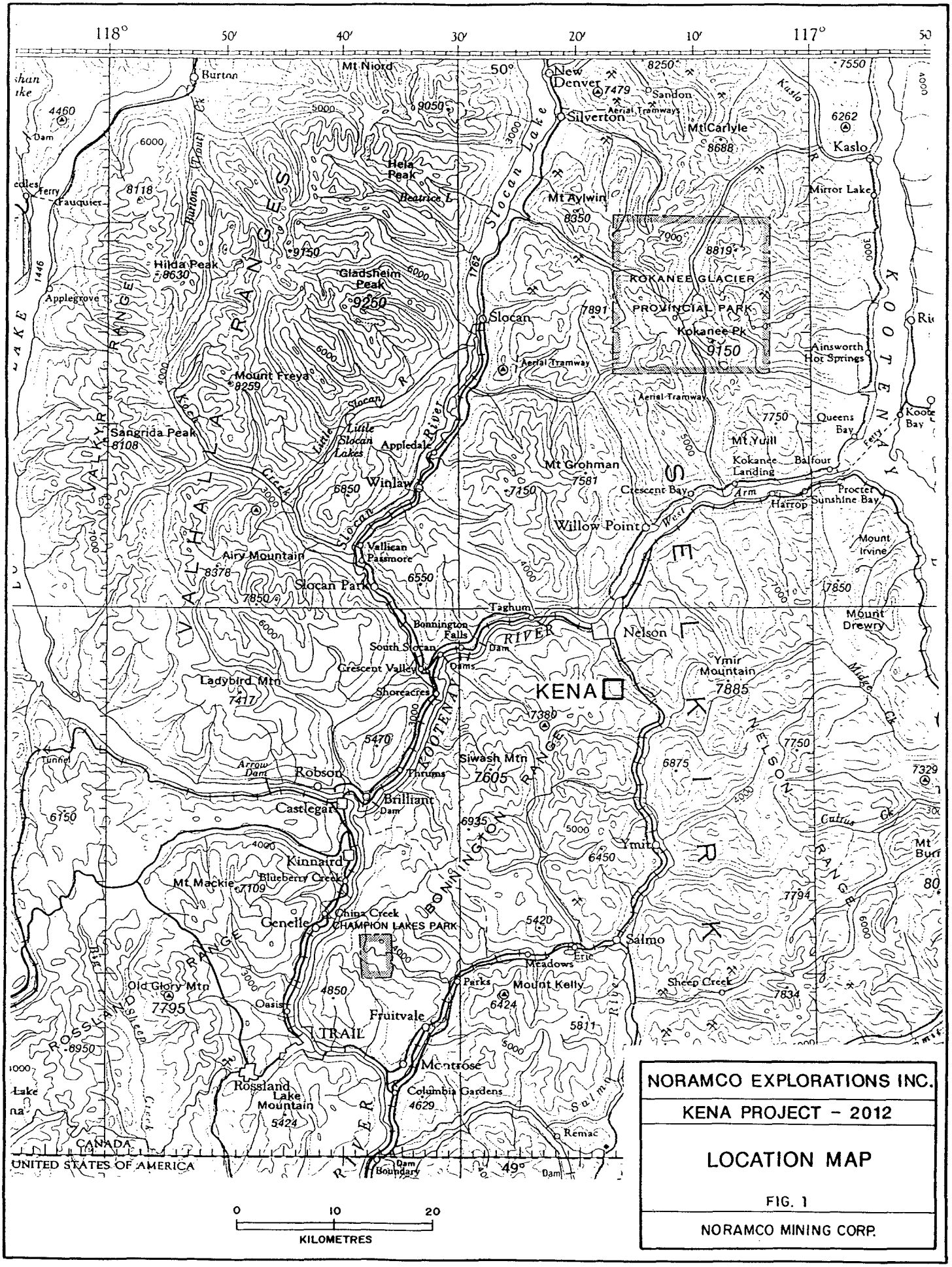
Introduction

This report was prepared in order to satisfy assessment credits applied on the Schist 1, Schist 2, Schist 3, Schist Fr., Cottonwood and Hall minerals claims (K-Group). Direct costs for the program of geochemical and geophysical surveys, carried out between August 13 and September 27, 1990, totalled $17,900.05 with the breakdown of costs for each survey as follows; $8,098.05 for the geochemical survey and $9,802.00 for the geophysical survey. A total of $9,600.00 is allocated to cover 1 - 2 years work credits on the modified grid, two post, and fractional claims comprising the above claims. The geophysical survey data is contained within an accompanying report, dated November 21, 1990, Grant Hendrickson of Delta Geoscience Ltd. - see Volume III.

Location and Access - see Fig. 1

The Kena Copper Grid is located within the southern Kena claim block approximately seven kilometres south of the city of Nelson in southeastern British Columbia, on NTS map sheet 82F/6W, Lat. 49^0 25' N., Long. 112^0 16' W.

Access to the property is via Highway #6A, between Nelson and Salmo, B.C., for approximately five kilometres to the junction with the Giveout Creek forestry road. From the junction, access is by gravel and four-wheel drive logging roads which run westerly and southerly for approximately 10 - 15 kilometres to the Kena property. Elevations on the property range approximately from 895 metres at Cottonwood Lake to 1,795 metres above sea-level in the southwestern claim area.



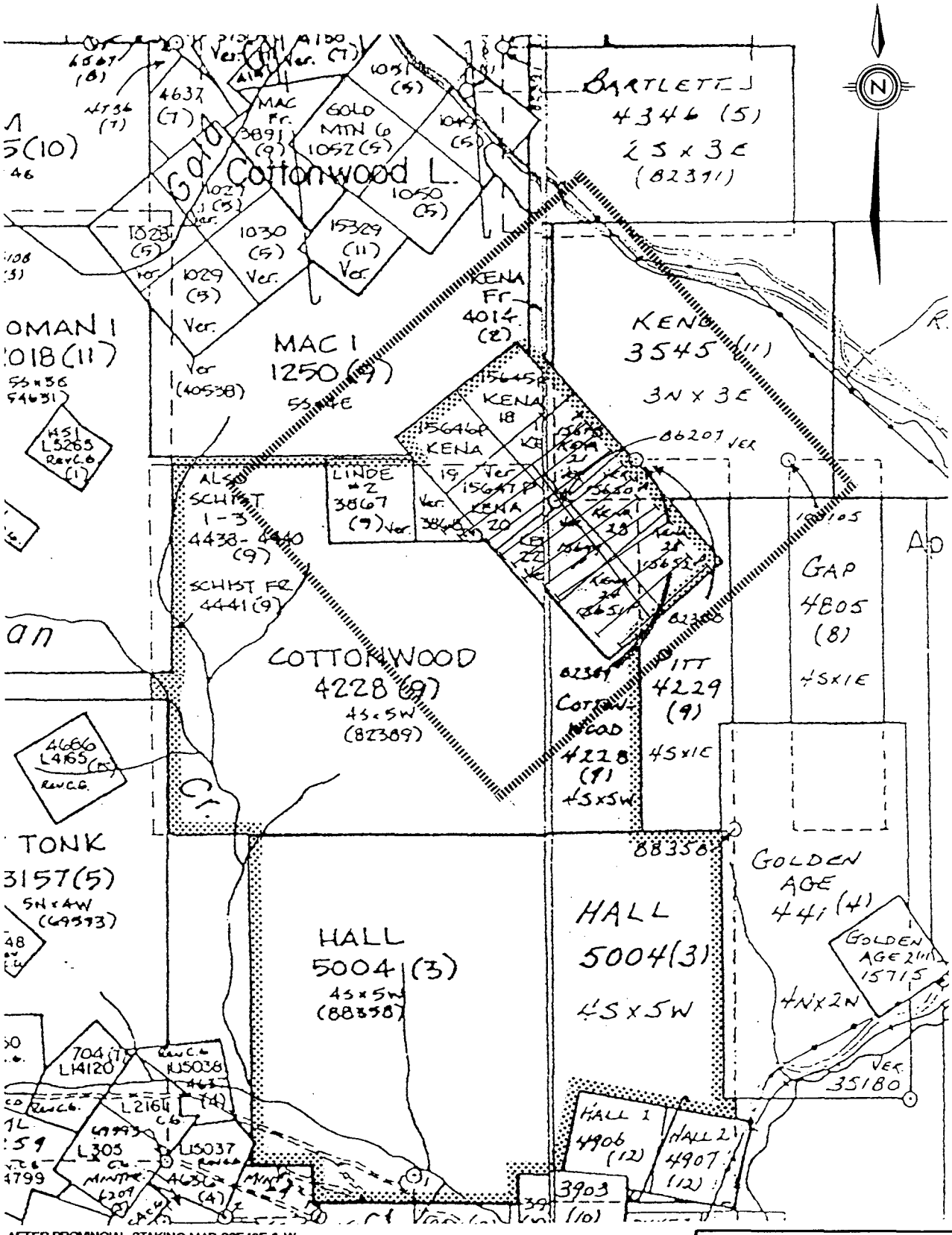
NORAMCO EXPLORATIONS INC.
KENA PROJECT - 2012
LOCATION MAP
FIG. 1
NORAMCO MINING CORP.

Property - see Fig. 2

The K-Group consists of 14 2 post and 40 modified grid claims for a total of 54 units, located and recorded in the Nelson Mining Division. Claim particulars are as follows:

Claims	Record No.	Expiry Date	Units
Kena 18	15645	Nov. 5, 1996	1
Kena 19	15646	Nov. 5, 1996	1
Kena 20	15647	Nov. 5, 1996	1
Kena 21	15648	Nov. 5, 1996	1
Kena 22	15649	Nov. 5, 1996	1
Kena 23	15650	Nov. 5, 1996	1
Kena 24	15651	Nov. 5, 2000	1
Kena 25	15652	Nov. 5, 2000	1
Linde 1	3868	Sept. 7, 1996	1
Linde 2	3867	Sept. 7, 1996	1
Schist 1	4438	Sept. 29, 1992*	1
Schist 2	4439	Sept. 29, 1992*	1
Schist 3	4440	Sept. 29, 1992*	1
Schist Fr.	4441	Sept. 29, 1992*	1
Cottonwood	4228	Sept. 27, 1992*	20
Hall	5004	March 8, 1992*	20
		TOTAL	54

* Anniversary dates as per assessment credits filed on September 27, 1990 in the Nelson Recording Office. See Appendix II.



AFTER PROVINCIAL STAKING MAP 82F/8E & W

GRID LOCATION

GROUP K AREA FILED FOR ASSESSMENT CREDITS

LOCATION OF FIGURES 5 TO 9

0 1000

METRES

NORAMCO EXPLORATIONS INC.

KENA PROJECT - 2012

K GROUP LOCATION

FIG. 2

NORAMCO MINING CORP.

Previous Work

Mineralization in the Kena Claim area was first described in a report by G.M. Dawson, contained within the Geological Survey of Canada Summary Report for 1888 - 1889, on the Cottonwood Mine.

No further information on exploration appears in either the Geological Survey of Canada records or the Provincial Government records within the Ministry of Energy, Mines and Petroleum Resources, thus little is known about exploration within the claim area prior to 1973. However post 1973 exploration has identified numerous old prospect pits and trenches, as well as several old adits indicating periods of high exploration activity in the early part of the century.

Otto Janout staked the original Kena claims in 1973 with exploration work having been carried out by various companies as follows:

1974 Ducanex Resources Ltd.

The Company collected soil samples and drilled four percussion holes aggregating 250 metres within a gold prospect in the northern section of the claim block. While prospecting the southeastern section of the claim block resulted in the discovery of a wide zone of copper mineralization.

1975 Lacanex Mining Company Ltd.

A program of geological mapping and geochemical sampling was carried out over widespaced (400 - 800 ft.) grid lines. The work resulted in a series of large linear copper anomalies in the southeastern portion of the claim block, which follow the regional foliation. 27 chip samples were taken in ten foot intervals along the entire 270 foot length of an old adit (Noramco grid co-ordinates 92+34N 1+60W), with the samples averaging 0.16% Cu over the entire length. This adit was probably driven to intersect a two foot wide quartz vein at depth. A grab sample from the quartz vein assayed 1.1% Cu and 0.076 oz./ton Au.

1976 - 77 Quintana Minerals Corp.

The program consisted of geological and geochemical surveys based on the hypothesis that visible sulphide mineralization represented the upward extent of a porphyry copper sulphide system. In 1977 the Company carried out a wide spaced I.P. survey along lines 800 feet apart with a dipole spacing of 300 feet. The work resulted in a chargeability anomaly parallel to the strike of the volcanics and approximately coincident with the copper geochemical anomaly. Lithogeochemical sampling ranged as high as 70 feet of 0.53% Cu cut along an outcrop of sericite schist.

Previous Work (cont'd...)

1981 - 82 Kerr Addison Mines Ltd.

Kerr carried out wide spread geochemical and geological surveys over the Kena Copper Zone and culminated the program with three widespaced drill holes aggregating 635.20 metres. The top 51.0 metres of drill hole 81-KK-4 assayed 0.271% copper. Samples representing, 63 metres of the underlying 85 metres, three to four metre staggered intervals totalling 22 metres were not assayed, average 0.16% copper. Gold content in the hole locally ranged up to 0.01 oz./ton.

Sampled intervals in drill hole 81-KK-6, near the previously sampled adit, yielded 0.181% copper over a 45 metre section. Gold content ranged up to 0.01 oz./ton locally as in hole 81-KK-4. Where assayed sections of hole 81-KK-5 yielded from 0.10 to 0.22% copper over various section widths.

1985 - 86 Lacana Mining Corporation

The Company carried out an extensive program which included an airborne geophysical survey in addition to geological mapping & geophysical sampling. The program culminated with a drilling program undertaken over 2 years (1985-86) consisting of 36 holes aggregating 4,444.5 metres. However with the exception of one hole KK-85-12, all of the work was done on the northwestern gold showing and no work was carried out on the copper showing. Hole LK 85-12 was drilled approximately 175 metres south of the Kerr Addison hole 81-KK-4, at the northern end of the Copper Zone, however this hole was not analyzed for copper.

In 1986 Lacana covered the northwestern sections of the Kena claims with an extensive grid, which ended at the northern extent of the Kena Copper Zone.

1987 Tournigan Mining Exploration Ltd.

Tournigan drilled six holes aggregating 918.93 metres of which only one hole TK-87-42 was drilled in the Kena Copper Zone.

Drill hole TK-87-42 was collared between previous holes KK-81-4 and LK-85-12 in order to test anomalous gold and copper soil geochemistry and where there appeared to be a gap in previous drill coverage. Hole TK-87-42 was selectively sampled with 25 samples taken of which the best copper intersection was 0.175% Cu over 9.72 metres from 85.04 - 94.76 metres.

Previous Work (cont'd...)

Tournigan Mining Exploration Ltd.

Although anomalous gold and copper was detected in the assayed samples from each hole, grades were not deemed to be sufficiently encouraging to continue work.

1989 - 90 Golden Lake Resources Ltd./Noramco Mining Corporation

Golden Lake Resources Ltd. optioned the property from the Janouts' in late August 1989, following a property examination and review of data from previous work conducted in mid-July, 1989.

Personnel for Noramco Explorations Inc., operator for Golden Lake Resources Limited, spent several days at the Kena property in October, 1989. A preliminary work program was undertaken to locate and tie in claim posts and several old grids over which much of the previous work had been completed. The results of this work were used to compile technical data with the objective of formulating a detailed exploration plan for the property.

Noramco Mining Corporation optioned the property from Golden News in June, 1990 and assumed the option agreement obligations to the prospector vendors.

Regional Geology (see Fig. 3)

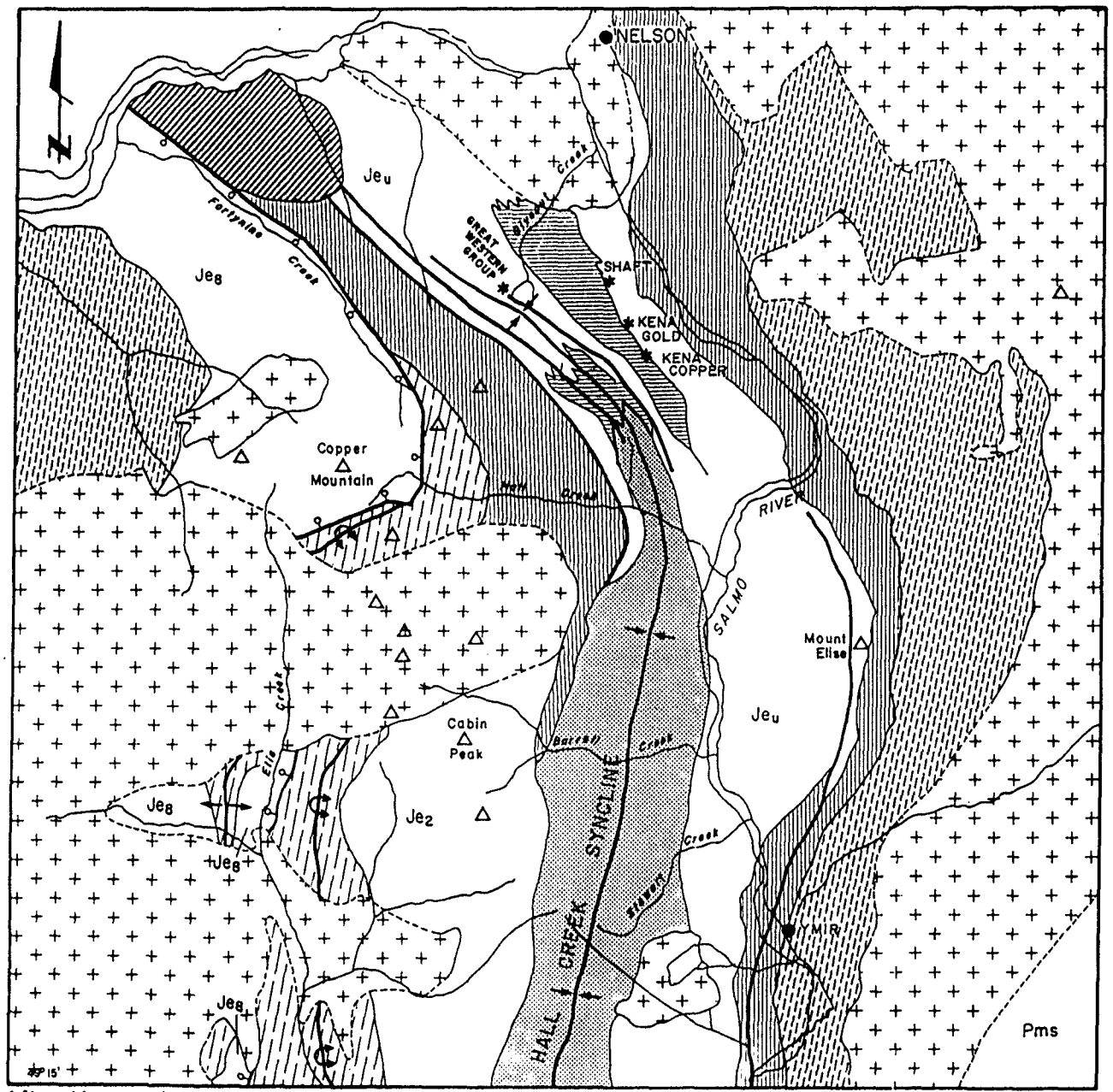
The Kena property lies on the eastern limb of the Hall Creek syncline, a south plunging fold which is associated with the intense shearing that dominates the structure within the Nelson map area.

The syncline incorporates units of the lower Jurassic Rossland Group which comprise a basal assemblage of fine-grained clastic rocks of the Archibald formation; volcanic rocks of the Elise formation; and clastic rocks of the overlying Hall formation.

The Rossland Group is intruded by the conformable or slightly younger lower Jurassic Silver King Porphyry (182 my.) and subsequently by the middle Jurassic Nelson Batholith (165 my.) and a number of related granodiorite stocks.

Property Geology

The Kena property is underlain by intermediate to basic volcanic rocks of the upper Elise Formation that includes pyroclastic and epiclastic members. The Elise volcanics are intruded by a synvolcanic monzodiorite complex, and by the younger Silver King Porphyry, a large coarse-grained plagioclase porphyry stock with related dykes and sills.



After Hoy and Andrew, 1989

L E G E N D

MIDDLE JURASSIC

NELSON intrusions

LOWER OR MIDDLE JURASSIC (?)

diorite (?)

LOWER JURASSIC

ROSSLAND GROUP

SILVER KING intrusions

HALL FORMATION

ELISE FORMATION

upper Elise

Je_u intermediate to mafic crystal and fine tuff

Je_8 intermediate lapilli and crystal tuff

lower Elise

Je_2 mafic pyroclastic breccia

mafic flow breccia, flows

ARCHIBALD FORMATION / YMIR GROUP

PALEOZOIC

Pms metasedimentary rocks

MOUNTAIN TOP

ANTICLINE

SYNCLINE

FAULT

FAULT (circle indicates downthrown slope)

HIGHWAY

0 5 KM

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REGIONAL GEOLOGY

FIG. 3

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Property Geology (cont'd...)

Tuff Assemblage

The following is a description of lithologies encountered during mapping in 1990:

The Elise volcanic rocks include dark grey to green, fine to medium grained andesitic to basaltic tuff, plagioclase +/- augite crystal tuff, mafic fine tuff, lapilli tuff and felsic tuff. The assemblage is foliated and locally highly sheared along the northwest striking, southwest dipping foliation related to the Hall Creek Syncline. Augite-rich basalt flows, evident to the north of Gold Creek, are not recognized within the grid areas.

The lapilli tuff underlies and appears to form a relatively continuous unit along the northeast flank of the map area. In the southern section clasts of fine-grained mafic tuff and fine-grained intrusive occur in plagioclase-rich crystal tuff commonly highly altered by epidote and chlorite. Areas mapped as felsic tuff are commonly pale grey, fine-grained and pyritic. Suggestion that these rocks may be highly altered mafic to intermediate fine-grained tuff, or fine-grained intrusives indicates a need for further investigation.

The assemblage is commonly highly altered. In areas of intense shearing, chlorite-rich phyllite and schists are developed in the mafic units and sericite schists in the felsic units. Epidote is locally conspicuous, and carbonate in fractures of dissemination is widespread. Concentrations of 1% to 5% or more disseminated pyrite with minor chalcopyrite are common and fine-grained disseminated magnetite is evident in many areas of the Kena Copper grid.

Silver King Porphyry

The Silver King Porphyry stock is an elongate mass, up to 2.0 x 9.0 kilometres trending northwest along the northeast flank of the Hall Creek Syncline. Southerly sections of the stock are incorporated into the core of the Syncline.

Within the Kena property, the Silver King is a coarse to medium-grained plagioclase-hornblende porphyry. The unit is locally siliceous and in places weakly flooded with secondary potash feldspar. The plagioclase is weak to moderately sericitized, and hornblende is weak to locally highly chloritized. Epidote alteration is evident in many areas, and the porphyry is locally mineralized with up to 3% disseminated pyrite and traces of chalcopyrite.

The Silver King porphyry occurs on the northwestern edge of the Kena Copper grid area and consists of the edge of a possible stock and a few dykes or sills. The southwestern extent of the porphyry is not completely known as the grid lines do not extend far enough to cover the contact area.

Property Geology (cont'd...)

Monzodiorite Complex

A mafic intrusive complex in the Shaft - Kena area was recognized in 1988 by geologists working with the Provincial Ministry of Energy Mines and Petroleum Resources.The complex is present throughout the length of the Kena property, a distance of slightly less that 4.0 kilometres, and commonly follows the regional foliation.

The complex commonly follows the regional foliation but appears to change from about 330° in the south to about 310° in the north.

The character of the monzodiorite is variable and at many sites, it is difficult to distinguish from altered volcanic units. Highly altered mafic crystal tuff for example resembles altered diorite. Fine-grained felsic phases (monzonites), highly sheared and sericitized, are difficult to distinguish from similarly altered felsic tuffs.

In the Kena Copper Grid area, a distinctive alteration phase or separate intrusion is present. A typical specimen may be buff to slightly pink in colour, fine-grained, locally porphyritic, rarely brecciated. The rock contains up to 5% altered fine biotite and augite? and in places is mineralized with disseminated pyrite, chalcopyrite and magnetite. Sections have been silicified by abundant quartz veinlets containing pyrite and chalcopyrite. Much of the previously investigated copper mineralization in the south part of the property occurs within or close to this unit.

Andesite Porphyry

Andesite porphyry, locally up to 150 metres wide, occurs in disjointed but persistent dyke-like northwest trending bodies.

The rock is grey to greenish-grey and containing 1% to (+)10% course plagioclase laths up to 1.0 cm long, and up to 10%, 1 to 3 mm black augite crystals set in a fine-grained ground mass. The rock is locally well altered by chlorite and epidote and in places contains up to 2% pyrite.

Sections of the porphyry with significant plagioclase crystal development resemble Silver King Porphyry. Sections of the porphyry with limited plagioclase crystal development resemble dioritic rocks, particularly when the unit has been sheared.

Mineralization

Kena Copper Grid

Alkalic porphyry style copper-gold mineralization occurs in the southeast section of the property. It is spatially related to the large monzodiorite complex. Chalcopyrite and pyrite occur as disseminations, fracture fillings and in quartz veinlets in the intrusive rocks, and as weaker disseminations and fracture fillings in tuffaceous rocks. The copper mineralization is commonly marked by malachite. The area is marked by sericitic and siliceous shear zones parallel to the foliation, and by zones of moderate to intense fracturing that are variably altered by propylitic assemblages of chlorite, epidote and carbonate. Magnetite occurs as disseminations and fracture fillings, and biotite is locally conspicuous and may be part of a broad zone of potassic alteration centered on the complex.

The Kena Copper Zone has been silicified by numerous quartz veins that both cross and follow the foliation. They vary from weak to strong in narrow fracture fillings, weak stockworks or rarely coarse veins up to a metre wide. Some of the veins are barren of sulphide. Others are vuggy, contain calcite and are mineralized with pyrite and chalcopyrite.

Sections of the mineralized area have been examined by short underground workings and a few drill holes. This work has resulted in a number of wide intercepts of low-grade copper mineralization with low gold content. Typical examples include an 81.0 metre adit that graded 0.16% copper and a nearby drill hole that yielded 0.181% over 45 metres. Another drill hole about one kilometre to the northwest yielded 0.271% copper over 51.0 metres and a nearby 21 metre trench sample yielded 0.53% copper. Rock samples collected from the mineralized area in 1990 ranged up to 1,111 ppb gold and 4,631 ppm copper.

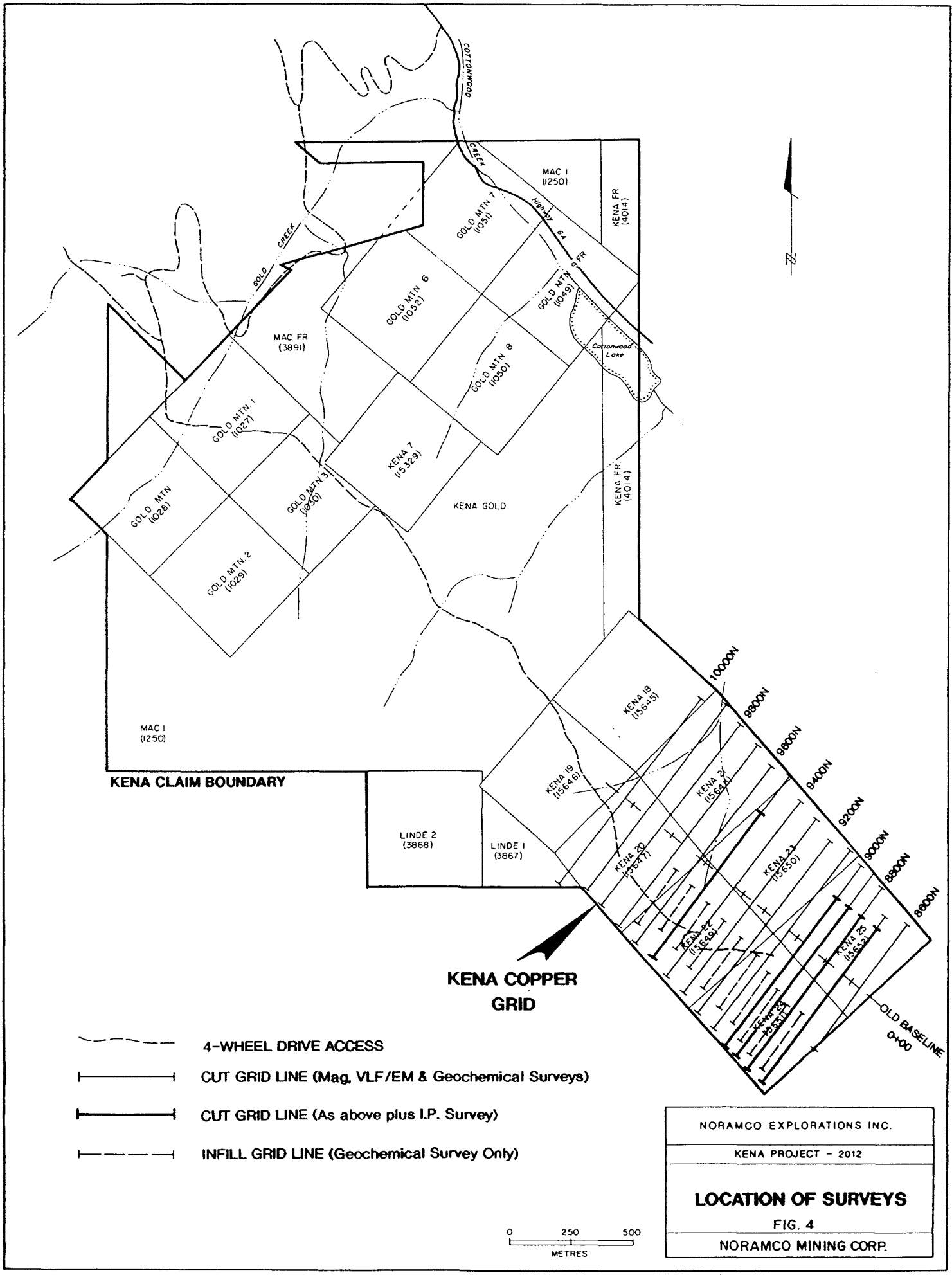
Summary of Work - See Fig. 4

The present exploration program by Noramco Explorations Inc. started in July and continued through September 1990. The field crew varied from two to five under the supervision of T.E. Lisle and the author. During this period the following work was completed over the Kena Copper prospect.

a) Linecutting

For geochemical & mapping purposes 15.8 kilometres of grid line at 100 metre spacing with 25 metre centres were cut and picketed. The same baseline originally put in by Lacanex in 1974-75 and subsequently used by later companies was re-established as the baseline for the new grid.

For geochemical purposes a further 2.225 line kilometres was flagged and marked at 25 metre centres as infill over areas where anomalous gold and copper values were indicated.


COTTONWOOD
CREEK
GOLD
CREEK
MAC I
(1250)
GOLD MTN 7
(1051)
KENA FR
(4014)
Highway 6
FR
GOLD MTN 6
(1052)
GOLD MTN
(1049)
MAC FR
(3891)
Cottonwood
Lake
GOLD MTN 8
(1050)
GOLD MTN 1
(1027)
KENA 7
(15329)
KENA FR
(4014)
GOLD MTN
(1028)
GOLD MTN 3
(1030)
KENA GOLD
GOLD MTN 2
(1029)
MAC I
(1250)
KENA CLAIM BOUNDARY
KENA 18
(15645)
10000N
9800N
9600N
9400N
9200N
9000N
8800N
8600N
KENA 19
(15646)
KENA 22
(15648)
LINDE 2
(3868)
LINDE 1
(3867)
KENA 20
(15647)
KENA 23
(15650)
KENA 24
(15649)
KENA 25
(15652)
KENA COPPER
GRID
OLD BASELINE
0+00
4-WHEEL DRIVE ACCESS
CUT GRID LINE (Mag, VLF/EM & Geochemical Surveys)
CUT GRID LINE (As above plus I.P. Survey)
INFILL GRID LINE (Geochemical Survey Only)
0
250
500
METRES
NORAMCO EXPLORATIONS INC.
KENA PROJECT - 2012
LOCATION OF SURVEYS
FIG. 4
NORAMCO MINING CORP.

Summary of Work (cont'd...)

b) Geochemistry

A total of 776 soil and four silt samples were collected from the new grid with sample locations and geochemical analytical results for the elements Cu, Pb, Zn, As and Au compiled onto 1:2,500 scale maps which accompany this report.

c) Geophysics

Starting in September 1990 complete magnetic VLF-EM surveys as well as a partial Induced Polarization survey was undertaken over the Kena Copper grid area. The magnetic VLF-EM readings were taken at 12 1/2 metre spacings and the Induced Polarization was a pole-dipole array with n=4, a=25 metres. The results of this work is described in a separate report, dated November 21, 1990, by Grant Hendrickson of Delta Geoscience Ltd. which has been filed for assessment purposes along with this report.

Discussion of Geochemistry Results

A total of 776 soil samples and four silt samples were taken from the Kena Copper grid area. Soil samples were taken at 25 metre intervals along each grid line, with the grid lines 100 metres apart with infill lines over areas of anomalous geochemistry. The location of sample sites, and analytical data for copper, lead, zinc, arsenic, and gold are compiled onto 1:2,500 scale maps accompanying this report.

The claim area has been glaciated, with bedrock commonly obscured by thin accumulations of brown to reddish brown glacial till. Locally, the till thickens and in places it becomes a boulder till. Published data indicates that on the east side of Toad Mountain the ice movement was southeast. Glacial striae trending at 175^0 was observed within the grid area and tends to support a south to southeast direction for ice movement. Logging activity in the general area of the baseline (100N to 92N) has resulted in localized soil disturbance.

The glacial soils, for the most part, tend to be overlain by a brown-black organic rich layer of highly variable thickness. On the steep lower slopes trending towards Cottonwood Lake, the organic horizon also varies in thickness and in places rests directly on talus or subcrop.

Soil samples were collected with grub hoes from depths of 15 - 30 cm., occasionally greater or lesser depending on swampy conditions or subcrop depth. Where possible, samples were taken of the 'B' horizon soils beneath the organic layer. Where silt samples were taken, the samples were of active silt fines from creek beds.

All samples were shipped to Acme Analytical Laboratories in Vancouver, where they underwent a 30 element analysis by I.C.P. and for Gold by F.A./I.C.P. The geochemical analysis certificates describing the analytical methods and results are included in Appendix III.

For the purposes of highlighting geochemical trends in the soil, previously developed statistical parameters for the Shaft property, adjoining the Kena property to the North, were used. A visual examination of geochemical histograms prepared for just the Kena Copper grid indicates that for the most part the earlier parameters are valid. These geochemical histograms are included as Appendix IV.

Discussion of Geochemical Results (cont'd...)

The anomalous and highly anomalous geochemistry levels are as follows:

Element	Anomalous	Highly Anomalous
Gold	> 30 to 69 ppb;	> 70 ppb
Copper	> 165 to 369 ppm;	> 370 ppm
Lead	> 39 to 69 ppm;	> 70 ppm
Zinc	> 300 to 499 ppm;	> 500 ppm
Arsenic	> 20 to 69 ppm;	> 70 ppm

The Kena Copper Zone is reflected in a number of copper-gold anomalies which commonly form a number of linear to lensey zones centred mainly on the monzodiorite complex and aligned along the northwest-southeast regional foliation trend. Anomalous levels of lead, zinc, and arsenic tend to be concentrated in lensey areas to the east and downslope from the baseline.

Copper

Within the 1990 Kena grid area large areas underlain by monzodiorite complex are marked by anomalous copper within the soils. When contoured at 370 ppm copper the anomalies occur as irregular linear zones approximately 50 - 250 metres wide.

The main anomaly, located in the central part of the grid, is marked by strong copper geochemistry in the soils with values from 370 ppm to a maximum of 4,977 ppm Cu. It occurs over a northwest trending area approximately 1,100 metres long, 100 - 300 metres in width, and open to the southeast. This anomaly appears to be related to the main body of the monzodiorite complex, with the linear nature perhaps related to mineralized intrusive units within the complex or to altered shear-fracture zones along the same trend. The anomaly was partly investigated by a 82 metre underground adit which assayed 0.16% copper and by Kerr Addison Diamond Drill holes KK-81-5 and KK-81-6. Kerr Addison drill hole KK-81-6 in the same area as the adit assayed 0.181% Cu over a 45 metre interval. Drill hole 81-KK-5 yielded form 0.10 to 0.22% copper over various sections widths in the northwestern area of the anomaly.

A second parallel area of anomalous copper-in-soils with values greater than 370 ppm to a maximum of 1,345 ppm copper occurs along the southwestern edge of the property. This anomaly is approximately 475 metres in length and from 50 - 100 metres wide. It is partly co-incident with the main gold-in-soils anomaly and remains open to the southwest.

Discussion of Geochemical Results (cont'd...)

Gold

The primary gold anomaly is approximately 750 metres long and up to 150 metres wide, with geochemical soil values as high as 2,570 ppb gold. This anomaly is partly coincident with an anomalous copper area which parallels the main copper anomaly. This anomaly appears to occur on the southwest flank of the monzodiorite complex and is still open to the southwest.

A second linear gold anomaly approximately 550 metres long and up to 125 metres wide is partially coincident with sections of the main linear copper anomaly. Soil geochemistry ranges up to 990 ppb Au within the anomaly. This anomaly was partially investigated by an 82 metre adit which averaged less than 0.01 oz./ton, however a grab sample of a quartz vein with in the adit assayed 0.076 oz./ton Au. The Kerr Addison hole KK-81-6 in the same area yielded comparable gold content to the adit locally. A large number of smaller gold anomalies, consisting of one to four anomalous assays commonly, are scattered along the trend of the monzodiorite and occur close to the above gold or copper anomalies.

Other Anomalies

A number of small copper, gold, lead, zinc and arsenic soil anomalies occur along the northeast flank of the monzodiorite complex in the northeast part of the grid area. These anomalies are relatively weak and may form part of a belt of linear anomalies along the regional trend and other than in this area the copper-gold anomalies within the grid area are not associated with any anomalous levels of lead, zinc, or arsenic. However, at this time these anomalies have not been fully evaluated.

Summary of Costs

A total of $9,600.00 derived from a preliminary (pre-invoicing) figure of $16,000.00 for geochemical analysis and geophysical surveys was applied to assessment credits. The preliminary figure was broken into $7,500.00 for geochemical analysis and $8,500.00 for geophysical surveys. The total final invoiced figure however was $17,900.05 comprised of $8,098.05 for geochemical analysis and $9,802.00 (pro rated) for geophysical surveys.

Total (invoices) figures were determined as follows:

I) Geochemical Analysis*

a)	Invoice (August 24, 1990)	$ 3,954.60
b)	Invoice (September 1, 1990)	1,854.45
c)	Invoice (September 20, 1990)	2,289.00
	Geochemical Total	$ 8,098.05

II) Geophysical Surveys (Pro Rated Costs)*

VLF-EM/Mag Survey	3 days @ 900.00/day	$ 2,700.00
I.P. Resistivity Survey	5 days @ 1,350.00/day	6,750.00
Board Costs	8 Days @ 22.00/day/man x 2 men	352.00
	Geophysical Total	$ 9,802.00
	Total	$17,900.05

William J. Lewis, B.Sc.
Noramco Explorations Inc.

* Supporting invoices are included as Appendix V.

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APPENDIX I

STATEMENT OF QUALIFICATIONS

Statement of Qualifications

I William J. Lewis of 305 - 6689 Willingdon Avenue, Burnaby, B.C. do hereby certify that:

- I am a Geologist employed by Noramco Exploration Inc. with a business address of #900 - 999 West Hastings Street, Vancouver, B.C.

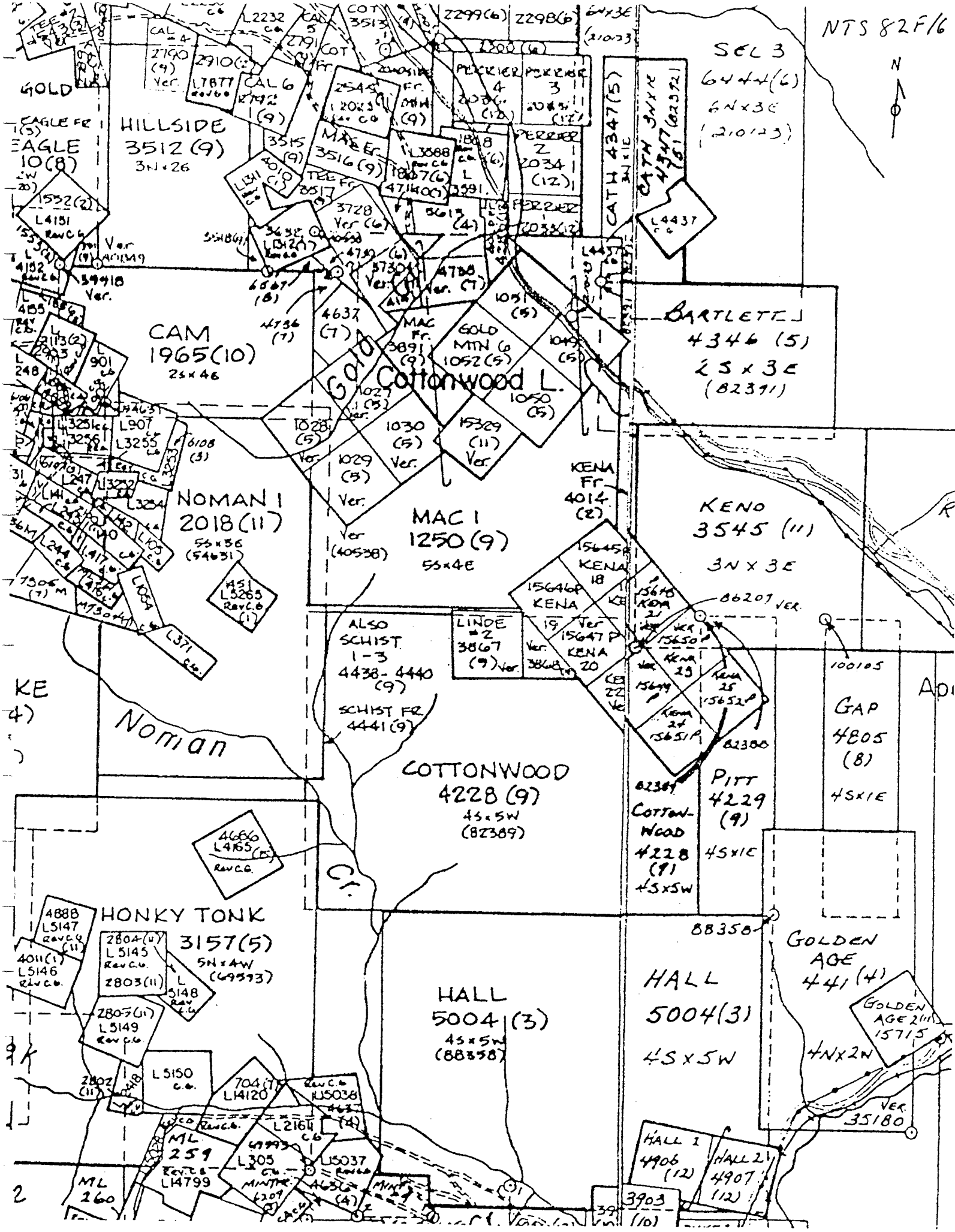
- I am a graduate of the University of British Columbia with a Bachelor of Science Degree in Geology, 1985.

- That I am a member in good standing of:

  - Geological Association of Canada

- That I prepared this report, for assessment purposes, describing the soil goechemical program carried out at the Kena Property by Noramco Explorations Inc. on behalf of Noramco Mining Corp.

William J. Lewis, B.Sc.
December 1990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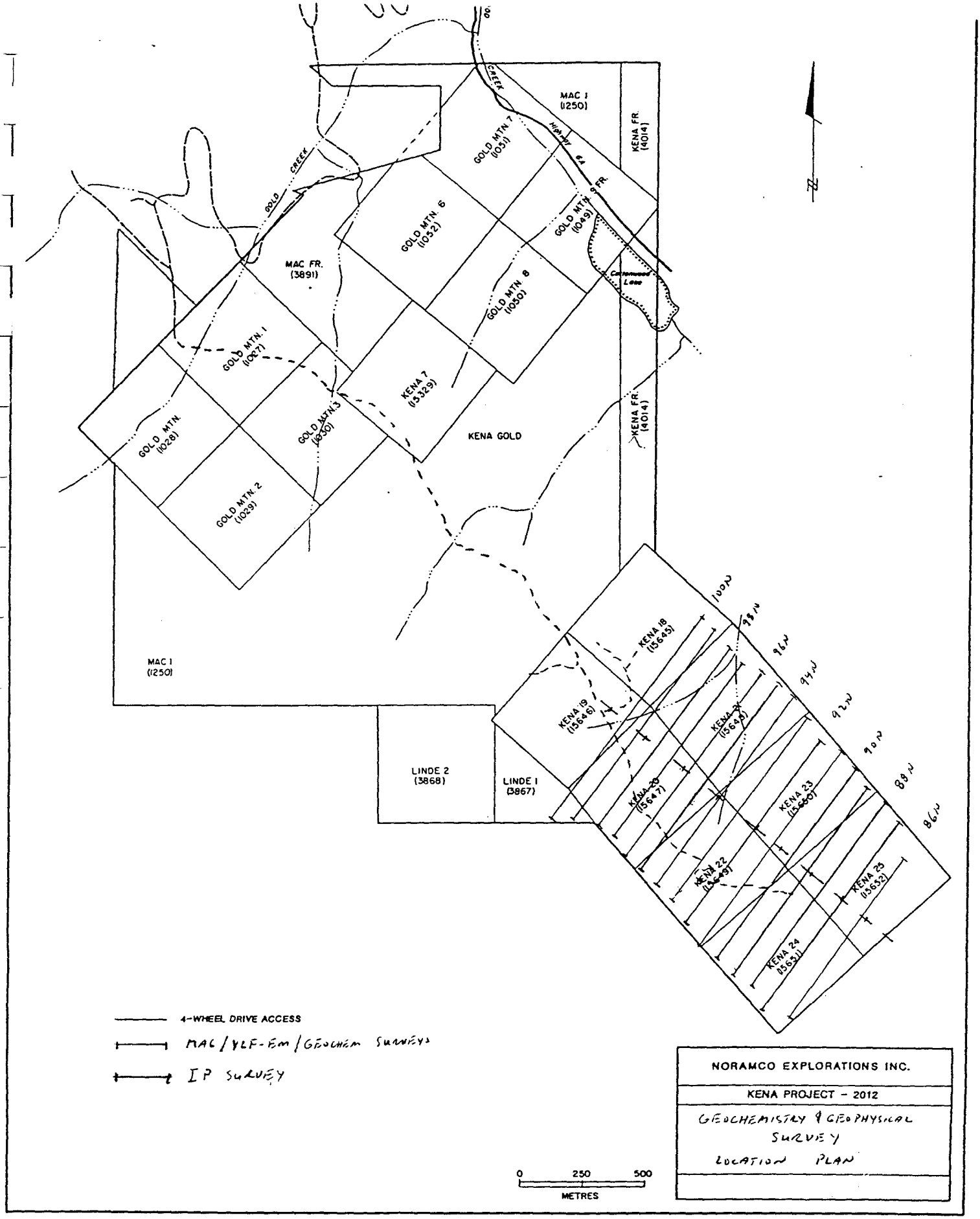

NORAMCO EXPLORATIONS INC.
KENA PROJECT – 2012
GEOCHEMISTRY & GEOPHYSICAL SURVEY
LOCATION PLAN

APPENDIX III

GEOCHEMICAL ANALYSIS CERTIFICATES

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
OKD 0283S	1	16	48	75	.1	8	5	1084	2.73	7	5	ND	1	28	.3	2	2	61	.15	.052	8	13	.60	88	.17	3	1.51	.01	.09	2	10
OKD 0284S	1	29	28	115	.2	10	8	802	2.66	9	5	ND	1	32	.5	2	3	45	.33	.093	13	15	.58	90	.08	4	2.19	.01	.07	1	11
OKD 0285S	1	31	41	113	.2	12	12	1010	2.91	11	5	ND	1	32	.6	2	2	51	.31	.107	13	16	.58	89	.07	5	2.29	.02	.06	3	24
OKD 0286S	1	23	29	108	.1	10	10	1175	3.24	5	5	ND	1	27	.4	2	2	56	.21	.071	11	16	.55	109	.13	6	1.84	.02	.07	2	25
OKD 0287S	1	43	80	109	.3	13	18	1789	2.59	6	5	ND	1	68	1.0	2	2	41	.74	.119	26	14	.54	125	.07	3	2.90	.02	.05	1	10
OKD 0288S	1	40	30	110	.1	12	12	1873	3.05	7	5	ND	1	70	.8	2	2	51	.67	.098	20	16	.77	134	.09	3	2.71	.02	.07	1	8
OKD 0289S	1	20	22	64	.1	10	12	384	3.83	6	5	ND	1	27	.2	2	2	87	.17	.033	5	12	.96	51	.24	5	1.61	.01	.05	1	4
OKD 0290S	1	32	22	92	.3	11	9	467	4.06	7	5	ND	2	19	.3	2	2	63	.13	.094	9	17	.68	82	.17	4	2.85	.02	.06	1	12
OKD 0291S	1	27	34	95	.5	9	12	666	3.78	14	5	ND	2	21	.5	2	2	61	.17	.125	9	16	.54	88	.20	4	2.82	.02	.06	1	9
OKD 0292S	1	38	31	132	.1	14	15	2017	3.78	8	5	ND	1	54	.4	2	2	52	.56	.106	4	23	1.01	187	.14	5	2.01	.01	.16	1	11
) 0293S	1	63	25	105	.4	12	13	1431	2.88	6	5	ND	1	81	.5	2	2	43	1.05	.132	17	17	.80	110	.06	3	2.51	.01	.08	1	8
OKD 0294S	1	57	13	96	.2	12	13	1082	3.73	8	5	ND	1	52	.2	2	2	60	.53	.077	11	17	.88	116	.11	2	2.42	.01	.08	1	17
OKD 0295S	1	58	20	115	.3	13	17	1222	4.40	8	5	ND	1	42	.2	2	2	70	.41	.065	12	19	.86	96	.15	4	2.59	.01	.08	1	24
OKD 0296S	1	51	52	112	.4	10	14	1527	3.19	11	5	ND	1	152	.9	2	2	49	2.18	.107	5	14	.59	200	.07	7	1.91	.02	.08	1	76
OKD 0297S	1	73	12	109	.1	14	28	2010	6.73	8	5	ND	1	97	.2	2	2	99	1.28	.138	11	15	1.31	134	.05	5	3.09	.01	.09	1	13
OKD 0298S	1	115	15	155	.1	12	19	2035	4.39	13	5	ND	1	99	.3	2	3	72	1.17	.180	11	16	.98	235	.07	6	2.78	.02	.10	1	14
OKD 0299S	1	85	48	148	.2	12	16	1615	3.88	17	5	ND	1	66	.9	2	2	58	.79	.129	10	16	.79	193	.09	6	2.55	.01	.09	1	10
OKD 0300S	1	98	14	106	.1	12	17	1724	3.95	7	5	ND	1	87	.2	2	2	56	1.01	.126	15	18	.75	118	.11	4	3.81	.02	.08	1	33
OKD 0301S	1	55	12	72	.3	11	12	788	3.85	11	5	ND	1	61	.4	3	2	56	.65	.079	13	16	.63	90	.17	5	3.82	.02	.07	1	12
OKD 0302S	2	65	13	68	.1	14	16	886	6.60	5	5	ND	2	37	.3	2	2	82	.16	.112	10	26	.93	156	.17	4	2.35	.02	.12	1	16
OKD 0303S	3	133	10	58	.5	10	10	1219	6.48	8	5	ND	1	50	.2	2	2	77	.11	.115	15	19	.92	191	.17	6	1.93	.02	.24	1	89
OKD 0304S	3	163	7	67	.6	12	11	383	6.13	7	5	ND	2	23	.2	2	2	83	.21	.072	8	19	.85	73	.23	4	3.49	.02	.09	1	60
OKD 0305S	9	1577	15	166	.2	36	36	1247	7.64	11	5	ND	2	25	.6	2	2	77	.21	.171	11	22	.81	113	.16	6	2.86	.01	.11	1	45
OKD 0306S	5	207	11	82	.7	9	9	225	4.92	7	5	ND	4	13	.2	2	2	55	.07	.147	9	13	.45	88	.19	4	3.43	.02	.06	1	17
OKD 0307S	2	138	16	98	.3	12	10	358	4.34	10	5	ND	2	24	.2	2	2	82	.15	.067	8	21	.74	76	.22	5	2.56	.02	.08	2	17
OKD 0308S	13	689	16	92	.6	14	19	409	6.09	8	5	ND	4	21	.2	2	2	99	.14	.116	13	26	1.10	103	.21	4	3.11	.01	.17	1	72
OKD 0309S	4	161	22	109	.3	13	13	599	4.36	8	5	ND	3	23	.2	2	2	71	.15	.145	7	19	.82	95	.21	6	2.82	.01	.09	1	37
OKD 0310S	4	122	16	87	.9	11	9	470	4.23	8	5	ND	3	18	.2	2	2	69	.11	.215	8	18	.64	94	.20	4	3.20	.02	.06	2	20
OKD 0311S	13	729	6	67	.3	9	12	629	7.15	9	6	ND	4	23	.2	3	2	114	.23	.204	14	11	1.39	84	.27	6	2.89	.01	.27	1	49
) 0312S	3	137	14	58	1.0	10	7	307	4.73	7	5	ND	2	25	.2	2	2	74	.10	.113	6	14	.69	109	.26	5	3.60	.02	.10	2	17
OKD 0313S	4	79	27	59	.5	8	6	275	4.11	16	5	ND	1	20	.2	3	2	67	.09	.079	6	15	.38	79	.23	5	2.18	.02	.06	1	14
OKD 0314S	3	111	33	62	.5	9	9	400	5.35	10	5	ND	1	13	.2	3	2	68	.08	.064	9	20	.37	70	.18	6	2.25	.02	.05	1	21
OKD 0315S	1	59	15	37	1.6	6	3	426	4.19	3	5	ND	1	20	.2	2	2	63	.07	.085	5	13	.24	85	.23	5	2.63	.02	.04	2	10
OKD 0316S	6	428	13	62	.9	9	14	613	5.42	6	5	ND	1	36	.2	2	2	69	.15	.139	6	17	.72	78	.18	5	2.91	.02	.08	1	35
OKD 0317S	1	84	16	67	.3	11	11	525	4.70	7	5	ND	1	28	.2	2	2	73	.13	.092	5	12	.73	81	.23	5	2.57	.02	.07	1	18
OKD 0318S	2	183	25	84	.4	17	29	1698	5.93	9	5	ND	1	37	.3	2	2	65	.23	.107	5	20	1.14	75	.22	6	2.47	.01	.23	1	131
STANDARD C/AU-S	19	60	41	133	7.0	72	31	1045	3.95	39	21	7	39	52	18.5	15	21	56	.51	.093	38	56	.91	183	.09	38	1.91	.06	.14	11	46

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
OKD 0319S	5	259	26	116	.9	12	46	2072	7.35	10	5	ND	1	26	.8	2	2	61	.16	.146	9	13	1.38	63	.13	2	3.20	.01	.15	2	91
OKD 0320S	3	146	29	134	1.6	11	25	1386	7.29	21	5	ND	1	20	1.3	2	2	64	.16	.168	7	12	1.08	80	.16	2	2.56	.01	.15	2	19
OKD 0321S	3	207	31	178	1.0	14	46	2622	6.35	21	5	ND	1	16	1.1	2	2	66	.09	.132	13	14	1.02	67	.12	2	2.93	.01	.11	1	19
OKD 0322S	4	274	46	136	2.4	21	57	3093	7.82	34	6	ND	1	15	2.4	2	2	45	.14	.188	12	14	.58	55	.05	2	2.66	.01	.05	1	13
OKD 0323S	5	197	93	200	1.4	23	40	3312	7.53	32	7	ND	1	40	2.8	2	3	44	.68	.173	10	15	.78	75	.04	2	2.26	.01	.05	1	20
OKD 0324S	4	98	70	344	1.2	29	36	2707	7.52	26	5	ND	1	26	2.8	2	2	56	.30	.152	10	21	.87	128	.08	4	3.27	.01	.07	2	15
OKD 0325S	9	151	19	107	.7	10	18	704	6.38	11	5	ND	2	22	1.3	2	2	84	.14	.163	9	16	.66	101	.18	3	2.05	.01	.09	1	19
OKD 0326S	9	169	5	40	.5	4	11	258	7.64	11	5	ND	1	24	.8	2	2	65	.32	.123	21	8	1.13	59	.04	2	2.21	.01	.14	2	85
OKD 0327S	6	189	17	130	.7	14	14	880	4.45	8	5	ND	2	24	.8	2	2	69	.24	.131	9	20	.82	105	.14	2	3.32	.01	.11	2	23
OKD 0328S	8	196	15	95	.7	13	11	337	4.90	6	5	ND	3	22	.7	2	3	82	.19	.077	8	17	.68	76	.18	2	1.98	.01	.09	1	63
OKD 0329S	3	647	10	80	.8	11	9	330	4.48	7	5	ND	1	38	.9	3	2	83	.34	.145	6	17	1.15	88	.20	2	2.97	.01	.11	2	42
OKD 0329.5S	5	46	24	43	.8	7	6	236	4.48	6	5	ND	2	17	.8	2	2	78	.07	.087	6	17	.38	82	.18	3	2.03	.01	.07	5	44
OKD 0330S	10	57	39	67	.4	10	8	392	7.34	15	5	ND	3	29	.9	2	2	111	.12	.106	8	25	.74	105	.26	3	2.60	.01	.10	1	25
OKD 0331S	2	38	20	66	.6	10	9	327	3.79	5	5	ND	3	14	1.2	2	2	55	.08	.161	5	14	.32	74	.19	2	4.90	.02	.05	2	56
OKD 0332S	7	89	53	68	.9	11	11	1228	7.46	11	5	ND	1	22	.7	2	2	108	.08	.195	5	32	.70	99	.19	2	1.91	.01	.07	1	25
OKD 0333S	2	133	21	49	.8	15	9	283	4.82	7	5	ND	1	18	1.0	2	2	71	.18	.057	6	35	.50	61	.18	2	1.60	.01	.11	1	14
OKD 0334S	4	124	14	56	.8	8	10	626	6.54	8	5	ND	1	26	.7	2	4	68	.13	.084	5	11	.93	70	.20	5	2.06	.01	.10	1	7
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OKD 0336S	3	124	20	139	.7	15	22	1246	6.60	16	5	ND	1	24	.8	3	4	66	.15	.205	6	16	.97	101	.17	2	3.08	.01	.10	3	105
OKD 0337S	5	36	24	123	.6	11	12	844	5.29	11	5	ND	1	26	.6	2	3	56	.10	.134	8	13	.56	187	.21	2	2.38	.02	.09	2	17
OKD 0338S	4	112	40	117	.5	10	20	1056	6.15	14	5	ND	1	24	.5	2	2	62	.10	.093	10	14	.66	99	.09	2	2.05	.01	.08	1	2
OKD 0339S	5	94	49	174	1.2	14	30	1777	6.73	22	5	ND	1	28	1.9	2	2	55	.19	.124	12	17	.75	109	.12	7	3.41	.01	.08	1	50
OKD 0340S	3	117	38	262	1.0	16	31	2633	5.04	19	5	ND	1	27	2.1	2	2	49	.27	.096	10	14	.50	132	.13	6	3.42	.02	.05	2	72
OKD 0341S	5	435	53	460	2.1	27	85	5677	6.77	17	5	ND	1	44	7.0	2	2	37	.42	.268	24	14	.70	104	.03	3	3.39	.01	.05	1	16
OKD 0342S	4	230	49	573	1.7	31	50	7819	9.07	26	5	ND	1	47	6.3	2	5	76	.57	.148	13	18	.99	226	.06	2	3.45	.01	.10	1	27
OKD 0343S	2	132	58	507	.9	22	30	6563	6.21	18	5	ND	1	83	5.1	2	2	71	1.11	.251	10	18	.94	316	.07	3	3.09	.01	.12	1	10
OKD 0344S	2	138	33	565	.8	24	37	5828	7.30	21	5	ND	1	48	3.6	2	2	156	.69	.175	12	26	1.95	344	.15	2	3.72	.01	.33	1	6
OKD 0345S	2	50	39	257	.9	13	20	1813	5.10	8	5	ND	1	22	1.7	2	2	67	.21	.314	8	18	.72	131	.15	2	4.25	.02	.08	2	3
OKD 0346S	2	55	30	214	.5	17	20	4178	4.79	8	5	ND	1	41	3.4	2	2	82	.60	.073	9	21	.87	184	.20	2	3.08	.02	.11	1	14
OKD 0347S	11	459	35	127	.7	15	21	1348	6.94	14	5	ND	3	20	1.0	2	3	92	.15	.156	11	27	1.47	109	.16	2	3.01	.01	.13	2	37
OKD 0348S	6	409	14	90	.5	13	20	850	6.46	10	5	ND	2	21	.6	2	2	79	.16	.160	10	23	1.13	96	.17	2	3.27	.01	.19	2	91
OKD 0349S	3	77	15	91	.5	14	17	625	5.61	12	5	ND	2	24	.6	2	2	82	.18	.120	8	21	.64	81	.19	2	2.67	.01	.09	2	26
OKD 0350S	1	72	22	143	.5	16	17	2389	4.31	8	5	ND	1	29	.5	2	5	67	.23	.118	8	22	.81	195	.14	2	2.47	.02	.08	2	16
OKD 0351S	2	46	13	98	.3	14	14	1397	4.74	9	5	ND	1	28	.4	2	3	75	.21	.093	8	25	.82	163	.16	2	2.12	.01	.09	1	16
OKD 0352S	1	90	48	91	.3	9	12	1124	2.48	6	5	ND	1	137	1.5	2	4	40	2.52	.107	10	15	.69	118	.05	7	1.51	.01	.11	2	9
OKD 0353S	2	59	20	83	.6	11	15	1209	4.54	9	5	ND	1	42	.7	2	2	70	.49	.061	12	17	.67	128	.14	4	2.25	.01	.09	1	4
STANDARD C/AU-S	19	58	37	131	6.7	70	31	1051	3.95	40	20	7	37	53	18.3	15	18	55	.51	.092	37	56	.89	181	.07	33	1.89	.06	.14	11	46

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
OKD 0354S	1	171	18	97	.3	16	36	2011	7.09	20	5	ND	1	39	.7	2	2	96	.41	.141	6	22	1.28	154	.19	7	2.95	.01	.19	1	74
OKD 0355S	1	72	23	80	.2	16	19	1118	5.40	8	5	ND	1	24	.6	2	2	76	.18	.115	12	23	.95	96	.16	2	2.73	.01	.10	1	34
OKD 0356S	1	53	22	110	.6	14	18	1065	5.30	9	5	ND	1	31	.7	2	2	83	.27	.185	7	22	1.03	122	.17	3	2.44	.01	.11	1	3
OKD 0357S	1	67	22	110	.3	14	21	1931	5.32	10	5	ND	1	43	.8	2	2	86	.44	.113	7	20	1.15	130	.16	4	2.63	.01	.14	1	34
OKD 0358S	1	50	34	115	.2	13	22	1828	4.60	7	5	ND	1	70	1.1	2	2	76	.96	.117	7	19	1.13	104	.10	2	2.50	.01	.16	1	25
OKD 0359S	1	62	18	123	.5	13	21	1321	4.60	6	5	ND	1	72	.8	2	2	73	.88	.106	10	18	1.09	107	.11	3	2.76	.01	.10	1	51
OKD 0360S	1	56	21	108	.2	12	14	1384	3.33	9	5	ND	1	87	.8	2	2	53	1.30	.140	13	20	.87	104	.07	2	2.44	.02	.07	1	23
OKD 0361S	1	69	23	108	.3	14	15	1428	3.60	6	5	ND	1	86	.9	2	2	57	1.07	.109	16	21	.91	122	.08	2	2.47	.02	.07	1	18
OKD 0362S	1	70	25	119	.2	15	16	1571	3.81	8	5	ND	1	84	.5	2	2	61	1.01	.131	20	22	.93	124	.08	2	2.58	.02	.08	1	15
OKD 0363S	1	70	14	94	.2	14	16	1432	3.53	8	5	ND	1	85	.6	2	2	53	1.04	.133	18	22	.86	135	.07	2	2.64	.01	.06	2	870
OKD 0364S	1	55	35	106	.4	11	12	1433	3.18	6	5	ND	1	104	.9	2	2	53	1.32	.148	13	17	.83	107	.07	2	2.65	.02	.06	1	20
OKD 0365S	1	71	24	114	.2	12	15	1938	3.62	7	5	ND	1	65	.8	2	2	58	.85	.103	13	18	.87	90	.09	2	2.81	.01	.06	2	12
OKD 0366S	1	45	20	75	.2	10	10	540	3.18	5	5	ND	1	22	.5	2	2	52	.17	.111	11	14	.84	65	.07	2	2.15	.01	.07	1	22
OKD 0367S	3	81	14	76	1.0	11	8	673	4.86	6	5	ND	2	32	.2	2	2	70	.19	.093	4	16	.78	124	.28	2	2.75	.02	.11	1	20
OKD 0368S	2	47	17	64	.8	8	7	379	3.79	11	5	ND	3	17	.2	2	2	58	.11	.145	5	14	.44	68	.22	3	2.96	.02	.06	1	20
OKD 0369S	2	50	23	68	.6	7	6	330	3.68	6	5	ND	2	25	.5	2	2	54	.17	.067	6	13	.39	80	.19	3	2.97	.02	.05	1	10
OKD 0370S	6	275	33	74	1.2	9	9	1440	5.38	8	5	ND	1	30	.6	2	2	78	.18	.127	6	18	.88	134	.21	4	2.09	.01	.15	1	42
OKD 0371S	3	68	15	74	1.0	8	9	815	3.27	4	6	ND	3	12	.4	4	2	50	.07	.096	7	12	.35	57	.21	2	3.09	.02	.05	1	10
OKD 0372S	1	109	13	119	.7	11	13	997	4.03	5	5	ND	2	24	.2	2	2	65	.19	.159	6	16	.62	122	.19	2	2.61	.02	.07	1	13
OKD 0373S	5	3312	17	109	.9	26	238	4637	3.98	4	5	ND	1	41	.3	2	2	54	.37	.114	14	28	.62	92	.19	2	2.31	.02	.08	1	12
OKD 0374S	1	68	31	101	1.2	9	12	1943	3.84	8	5	ND	1	26	.5	2	2	66	.22	.093	5	16	.59	107	.19	2	1.68	.01	.07	1	410
OKD 0375S	1	436	24	108	.5	11	14	1244	4.06	5	5	ND	1	52	.7	2	2	64	.60	.124	6	17	.80	109	.17	2	2.16	.01	.13	1	55
OKD 0376S	1	85	19	95	.7	11	12	408	4.31	6	5	ND	2	22	.5	2	2	64	.14	.120	6	17	.63	94	.19	2	2.74	.01	.07	1	16
OKD 0377S	1	305	12	109	1.0	11	16	640	4.61	8	5	ND	1	20	.4	2	2	69	.17	.231	7	16	.74	107	.17	2	2.59	.01	.07	1	33
OKD 0378S	3	502	13	61	.5	9	21	534	8.43	10	5	ND	1	72	1.2	2	2	79	.86	.152	2	13	1.25	112	.13	11	2.53	.01	.34	1	270
OKD 0379S	2	169	18	91	.2	11	17	850	6.48	8	5	ND	1	39	.9	2	2	65	.36	.130	12	14	.92	107	.10	6	2.26	.01	.14	1	84
OKD 0380S	1	101	13	99	.1	15	20	952	4.97	7	5	ND	2	37	.4	2	2	79	.32	.091	10	23	1.00	79	.16	2	2.44	.01	.14	1	58
OKD 0381S	1	114	24	146	.4	18	31	2096	6.19	7	5	ND	1	45	.9	2	2	117	.56	.130	2	26	1.53	240	.20	4	2.83	.01	.75	1	38
OKD 0382S	1	179	9	148	.6	17	41	2878	7.13	7	5	ND	1	41	.9	2	2	141	.40	.128	2	21	1.60	171	.25	6	3.05	.01	.78	1	26
OKD 0383S	1	64	10	162	.1	17	31	2024	6.32	8	5	ND	1	33	.7	2	2	125	.45	.101	3	20	1.58	184	.26	5	3.29	.01	.54	1	23
OKD 0384S	1	66	18	179	.2	14	22	1358	5.47	6	5	ND	1	30	.2	2	2	115	.23	.062	3	16	1.40	134	.26	2	2.66	.01	.09	1	25
OKD 0385S	1	27	15	89	.1	11	9	407	4.61	5	5	ND	2	22	.6	2	2	73	.15	.083	8	18	.74	85	.18	3	2.35	.01	.08	1	56
OKD 0386S	1	49	21	109	.2	15	12	683	4.11	9	5	ND	2	29	.4	2	2	84	.28	.059	8	39	1.12	67	.17	2	2.38	.01	.07	1	15
OKD 0387S	1	50	18	98	.2	13	10	429	4.11	6	5	ND	1	24	.7	2	2	72	.19	.077	9	28	.88	58	.17	2	2.41	.01	.06	1	6
OKD 0388S	1	70	37	120	.1	88	21	1594	4.21	11	5	ND	1	174	.9	2	2	69	1.49	.194	107	117	1.72	193	.16	2	2.88	.02	.07	1	8
OKD 0389S	1	54	26	115	.1	45	17	1342	3.73	5	5	ND	1	87	.6	2	2	64	1.05	.129	40	63	1.25	173	.12	2	2.41	.01	.07	1	15
STANDARD C/AU-S	19	61	40	131	6.9	72	31	1046	3.95	39	20	7	38	52	18.6	15	19	56	.52	.093	37	56	.89	182	.09	33	1.88	.06	.13	13	51

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
OKD 0390S	1	38	24	109	.5	17	12	657	4.64	5	5	ND	1	33	.8	2	2	73	.28	.146	11	31	.97	109	.14	2	2.57	.01	.07	2	24
OKD 0391S	1	33	22	88	.5	12	9	427	4.48	11	6	ND	2	20	.6	2	2	77	.13	.117	10	24	.68	76	.15	2	2.54	.01	.06	1	23
OKD 0392S	1	38	11	136	.8	13	14	2412	4.15	3	5	ND	1	16	.7	2	3	69	.12	.135	8	23	.61	181	.16	2	3.08	.02	.07	1	25
OKD 0393S	1	42	18	146	.8	14	24	1368	6.28	10	5	ND	1	28	1.8	4	2	108	.24	.090	6	27	1.63	110	.22	2	3.03	.01	.15	1	29
OKD 0394S	1	30	7	150	.9	16	27	955	7.55	10	5	ND	1	28	1.1	8	2	126	.27	.128	4	27	2.18	75	.19	2	2.99	.01	.21	1	48
OKD 0395S	1	122	16	159	.6	26	28	3211	5.38	12	5	ND	1	44	.6	3	2	90	.61	.152	11	44	1.40	276	.15	2	2.65	.01	.13	1	35
OKD 0396S	1	46	27	92	1.1	12	13	786	4.34	11	5	ND	1	24	1.0	2	2	73	.16	.115	8	24	.78	97	.13	2	1.67	.01	.08	1	34
OKD 0397S	1	51	20	139	1.4	13	15	943	4.44	2	5	ND	1	23	1.0	2	2	68	.21	.149	8	25	.70	94	.15	2	3.08	.01	.07	1	27
OKD 0398S	1	136	17	137	1.0	15	14	631	5.14	6	5	ND	1	23	1.0	3	2	63	.20	.180	9	25	.68	137	.14	3	3.07	.01	.07	1	10
OKD 0399S	3	535	14	78	.6	22	11	629	3.46	6	5	ND	1	57	1.3	2	5	53	.66	.102	27	26	.57	107	.15	4	2.94	.02	.07	3	28
0400S	1	50	30	83	.8	9	8	461	4.02	3	6	ND	1	20	.5	2	2	67	.15	.132	7	20	.46	105	.17	3	2.69	.02	.07	1	30
OKD 0401S	2	148	24	75	.7	9	11	508	5.04	7	5	ND	1	18	1.0	2	2	73	.15	.139	7	18	.88	77	.18	3	2.88	.01	.09	1	18
OKD 0402S	4	84	8	77	1.1	12	8	849	5.19	6	5	ND	1	27	1.2	2	2	96	.14	.126	6	21	.90	129	.24	2	3.44	.02	.11	1	39
OKD 0403S	7	699	17	69	.5	17	26	597	5.13	6	5	ND	2	24	.7	2	4	72	.21	.160	12	30	1.20	79	.16	2	2.97	.01	.23	5	40
OKD 0404S	7	340	7	60	1.0	11	14	415	4.67	3	5	ND	1	17	.3	4	2	69	.11	.148	8	27	1.02	66	.16	3	3.26	.01	.10	3	115
OKD 0405S	3	94	8	94	1.1	9	11	946	3.54	3	5	ND	1	15	.5	2	2	59	.11	.228	6	18	.44	70	.15	2	3.10	.01	.05	1	19
OKD 0406S	5	229	13	105	.5	11	14	856	4.26	2	5	ND	1	20	.4	2	2	67	.16	.092	9	22	.62	74	.13	2	2.16	.01	.07	1	16
OKD 0407S	4	347	11	107	.4	9	17	562	4.36	4	5	ND	1	45	.3	2	2	62	.58	.109	11	24	1.01	72	.12	5	1.72	.01	.19	1	109
OKD 0408S	2	185	16	84	.3	15	13	418	3.72	4	5	ND	1	47	.2	2	3	75	.63	.087	12	28	1.29	51	.10	2	2.51	.01	.08	2	85
OKD 0409S	3	110	21	71	1.0	12	8	180	4.22	3	6	ND	1	13	.8	3	2	65	.08	.067	7	18	.32	68	.21	4	4.23	.02	.05	1	11
OKD 0410S	2	1245	68	163	.2	38	56	1878	2.08	3	5	ND	1	152	1.8	2	2	12	2.38	.130	4	6	.12	167	.01	5	.36	.01	.04	1	3
OKD 0411S	2	1000	9	64	.8	11	11	227	2.87	2	6	ND	1	19	1.2	2	2	39	.19	.076	16	13	.29	54	.13	2	3.62	.02	.06	1	1
OKD 0412S	1	160	16	67	1.1	10	8	261	4.68	6	6	ND	1	22	.3	2	2	69	.16	.071	7	19	.42	78	.19	3	1.88	.01	.07	1	15
OKD 0413S	4	4977	24	73	.8	19	19	894	2.41	7	5	ND	1	153	1.4	2	2	37	2.57	.122	21	15	.58	132	.04	4	1.30	.01	.12	1	21
OKD 0414S	4	223	18	82	1.0	11	13	599	4.95	2	5	ND	1	37	.6	2	2	72	.42	.083	9	21	.61	146	.16	4	2.23	.01	.10	1	21
OKD 0415S	4	523	18	84	.9	10	17	609	5.25	3	5	ND	1	39	.2	2	2	72	.35	.187	12	27	.88	93	.11	3	2.82	.01	.12	1	11
OKD 0416S	5	637	51	110	.5	13	36	1449	4.74	12	5	ND	1	55	1.0	2	2	64	.70	.186	18	22	.74	130	.08	8	1.96	.01	.13	1	32
OKD 0417S	8	770	21	81	.8	13	58	1718	4.30	2	5	ND	1	72	.8	2	2	59	.94	.158	20	23	.74	90	.07	2	2.24	.01	.10	1	19
OKD 0418S	8	951	20	87	1.0	18	53	1589	5.07	3	5	ND	1	69	.5	2	2	67	.83	.134	19	26	.91	98	.10	2	2.32	.01	.14	1	51
OKD 0419S	11	200	11	68	.7	13	17	631	7.45	6	5	ND	1	32	.2	2	2	87	.15	.168	10	35	1.22	70	.16	3	2.72	.01	.15	1	8
OKD 0420S	2	173	20	85	.5	14	25	1222	7.53	2	5	ND	1	39	.5	3	2	90	.41	.166	9	37	1.51	116	.14	2	2.94	.01	.22	1	70
OKD 0421S	1	105	11	83	.5	11	17	1052	5.13	4	5	ND	1	41	.4	2	2	64	.45	.097	15	28	.99	70	.11	2	2.65	.01	.12	1	83
OKD 0422S	1	120	15	85	.5	16	22	1199	5.78	2	5	ND	1	50	.2	3	2	81	.63	.111	13	31	1.47	97	.12	2	3.05	.01	.13	1	80
OKD 0423S	1	101	14	119	.1	14	22	1976	5.09	2	5	ND	1	45	.2	2	2	74	.42	.151	12	28	1.27	101	.09	2	2.73	.01	.12	1	68
OKD 0424S	1	105	5	113	.1	11	27	2909	5.73	5	5	ND	1	32	.5	2	2	83	.35	.127	7	27	1.18	168	.10	3	2.23	.01	.18	1	590
OKD 0425S	1	108	11	147	.5	14	33	2540	6.92	2	5	ND	1	31	.4	5	2	121	.22	.104	6	34	2.07	68	.17	2	2.98	.01	.14	1	44
STANDARD C/AU-S	19	63	43	132	7.3	72	32	1054	3.97	39	16	7	36	52	18.5	15	19	56	.51	.096	38	61	.88	181	.08	37	1.89	.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
OKD 0426S	1	66	9	179	.2	19	31	2016	6.67	7	5	ND	1	39	.4	2	2	129	.58	.092	4	30	2.75	152	.24	4	3.02	.01	.36	1	66
OKD 0427S	1	25	10	234	.3	15	31	1550	7.25	2	5	ND	2	29	.5	2	2	145	.39	.115	4	15	2.63	105	.23	3	2.95	.01	.19	1	11
OKD 0428S	1	93	16	123	.2	65	17	1228	4.69	13	5	ND	2	48	.4	2	2	68	.71	.144	67	88	1.85	114	.19	4	4.47	.01	.07	1	7
OKD 0429S	1	64	12	152	.4	17	29	1767	6.75	6	5	ND	2	39	.4	2	2	125	.47	.075	8	23	2.28	96	.19	2	3.11	.01	.14	1	15
OKD 0430S	1	92	10	159	.5	19	29	1889	6.58	2	5	ND	2	59	.4	2	2	122	.77	.118	15	27	2.28	134	.16	2	3.30	.01	.13	1	10
OKD 0431S	1	50	14	118	.4	15	19	1019	4.72	5	5	ND	2	39	.3	2	2	81	.47	.079	11	22	1.25	127	.17	2	2.45	.01	.08	1	59
OKD 0432S	1	61	14	96	.3	13	17	697	5.11	6	5	ND	1	39	.2	2	2	86	.41	.045	11	21	1.23	64	.19	2	2.68	.01	.08	1	44
OKD 0433S	1	63	15	95	.2	15	24	1600	5.85	10	5	ND	1	29	.2	2	2	79	.21	.153	6	25	.98	158	.16	2	1.68	.01	.09	1	49
OKD 0434S	2	62	16	64	.4	11	9	649	5.49	6	5	ND	2	22	.2	2	2	70	.15	.101	9	20	.64	73	.18	2	1.89	.01	.11	1	150
OKD 0435S	3	135	12	58	.4	10	13	605	7.53	15	5	ND	2	32	.2	2	2	89	.28	.150	8	21	1.12	94	.20	2	2.14	.01	.24	1	180
0436S	1	286	10	86	.4	16	28	1086	7.32	7	5	ND	2	77	.7	2	2	105	1.20	.132	13	27	1.95	129	.17	2	3.19	.01	.35	1	890
OKD 0437S	1	182	12	94	.7	16	24	1342	6.91	5	5	ND	2	60	.6	2	2	104	.72	.106	12	26	1.63	117	.16	3	2.70	.01	.30	1	17
OKD 0438S	1	56	13	82	.8	10	9	419	3.67	8	5	ND	2	24	.3	2	2	56	.20	.060	8	17	.48	98	.17	2	2.43	.01	.06	1	42
OKD 0439S	1	160	13	98	.9	11	12	486	4.07	9	5	ND	5	22	.2	2	2	58	.17	.156	10	20	.72	70	.16	3	3.27	.01	.06	1	46
OKD 0440S	1	102	13	95	1.5	9	9	414	3.71	11	5	ND	4	11	.4	2	2	58	.07	.140	6	16	.38	64	.21	4	5.02	.02	.05	1	21
OKD 0441S	2	128	19	107	.7	12	11	812	3.91	8	5	ND	4	17	.3	2	2	59	.11	.136	10	18	.64	94	.21	4	3.77	.02	.09	1	22
OKD 0442S	3	463	15	95	.7	16	16	455	5.02	14	5	ND	5	28	.3	2	2	78	.17	.116	11	24	.98	123	.21	3	3.01	.01	.14	1	64
OKD 0443S	3	1140	13	108	.5	21	31	627	5.41	6	5	ND	4	23	.3	2	2	81	.18	.145	13	23	1.09	90	.21	4	3.49	.01	.15	1	44
OKD 0444S	2	200	16	85	.9	12	13	611	4.83	10	5	ND	3	24	.3	2	2	74	.15	.108	9	19	.86	71	.20	2	3.05	.01	.09	1	26
OKD 0445S	2	701	19	123	.5	19	24	2038	5.01	3	5	ND	1	51	.7	2	2	84	.55	.108	15	26	1.34	93	.14	3	2.94	.01	.10	1	22
OKD 0446S	1	45	23	76	.8	10	7	503	4.47	8	5	ND	2	22	.2	2	2	76	.16	.085	7	22	.43	110	.26	3	1.82	.01	.06	1	4
OKD 0447S	1	46	25	82	1.1	13	8	414	3.89	8	5	ND	3	18	.2	2	2	72	.16	.097	5	38	.54	94	.27	4	3.68	.02	.07	1	5
STANDARD C/AU-S	18	62	41	131	7.0	72	31	1043	3.94	40	21	7	39	53	18.6	15	18	58	.50	.096	39	60	.89	182	.09	35	1.84	.06	.14	12	46

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GEOCHEMICAL ANALYSIS CERTIFICATE

Noramco Exploration Inc. PROJECT 2012 (KENA) File # 90-3674 Page 1

900 - 999 W. Hasting St., Vancouver BC V6C 2W2 Submitted by: B. LEWIS

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
OKB 0004S	87	257	2	29	.3	10	5	223	8.81	12	5	ND	2	30	.2	5	2	87	.49	.152	9	38	1.66	19	.27	3	3.25	.01	.15	1	31
OKB 0005S	12	97	16	45	.5	10	9	172	7.44	9	5	ND	4	25	.2	2	2	163	.16	.039	6	12	.26	99	.58	4	1.04	.01	.08	3	19
OKB 0006S	3	4947	18	91	1.7	42	113	896	4.53	12	5	ND	3	40	1.0	4	2	51	.56	.085	16	16	.48	59	.21	6	3.53	.02	.09	1	4
OKB 0007S	2	132	21	105	.8	14	14	481	5.46	10	5	ND	2	38	.2	2	2	80	.25	.072	7	20	.48	144	.27	3	2.18	.02	.08	2	4
OKB 0008S	2	46	8	87	.6	12	9	956	6.65	4	5	ND	2	44	.2	3	2	97	.11	.160	8	23	.93	154	.25	5	2.27	.02	.14	1	7
OKB 0009S	3	101	18	89	.7	14	13	418	5.78	5	5	ND	3	21	.2	3	4	81	.11	.165	7	26	.87	84	.22	3	3.84	.01	.09	1	2
OKB 0010S	4	278	11	78	.7	18	28	510	5.25	13	5	ND	4	18	.2	4	2	67	.08	.116	11	19	.50	61	.23	2	4.27	.01	.08	1	10
OKB 0011S	2	169	20	88	1.0	13	20	1310	4.33	18	5	ND	3	20	.2	2	2	56	.14	.159	8	18	.51	66	.17	4	3.29	.01	.08	1	21
OKB 0012S	1	170	15	111	1.1	13	24	765	4.79	5	5	ND	2	24	.3	2	2	70	.16	.124	7	16	.71	78	.22	3	2.55	.02	.07	1	7
OKB 0013S	2	816	11	148	1.6	36	159	1923	6.21	10	5	ND	2	52	.4	2	2	99	.51	.146	27	16	1.66	66	.21	4	4.09	.01	.13	1	21
OKB 0014S	1	93	20	135	1.3	19	22	710	5.25	18	5	ND	3	22	.2	3	2	68	.17	.256	8	18	.53	79	.22	3	4.26	.02	.08	1	7
OKB 0015S	1	89	46	209	.8	22	26	4856	5.22	18	5	ND	1	31	2.0	4	2	58	.39	.130	10	20	.75	130	.10	4	2.52	.01	.07	1	21
OKB 0016S	1	115	128	686	1.4	22	38	5741	6.51	36	5	ND	2	64	3.8	2	2	48	.84	.229	12	19	.98	201	.06	3	2.98	.01	.09	1	4
OKB 0017S	1	93	63	779	1.4	23	30	3327	6.13	23	5	ND	2	28	4.3	4	2	51	.31	.213	12	20	.78	137	.10	3	3.70	.01	.08	1	3
OKB 0018S	1	114	32	534	1.0	23	30	4402	7.42	31	5	ND	2	35	2.4	2	2	76	.39	.138	13	20	1.17	151	.14	4	3.22	.01	.23	1	17
OKB 0019S	1	108	34	396	1.4	20	21	4032	5.76	21	5	ND	2	32	1.9	2	2	61	.32	.152	13	17	.82	210	.11	3	3.76	.01	.13	1	5
OKB 0020S	1	42	27	364	.5	13	15	2551	4.19	9	5	ND	1	41	3.1	2	2	52	.71	.250	8	16	.39	166	.10	3	2.18	.01	.08	1	2
OKB 0021S	1	55	26	240	.5	17	20	1373	5.41	14	5	ND	2	19	.6	3	2	75	.18	.114	9	31	.94	87	.17	5	2.95	.01	.09	1	3
OKB 0022S	1	37	17	238	.4	22	19	2334	4.90	4	5	ND	2	39	.6	2	2	85	.41	.182	7	55	1.06	269	.20	2	2.74	.01	.12	1	4
OKB 0023S	1	37	15	179	.7	18	16	1936	4.45	6	5	ND	2	48	1.4	3	2	68	.60	.085	11	32	.67	126	.22	2	3.32	.02	.07	1	2
OKB 0024S	1	25	19	170	.6	14	13	2266	4.56	7	5	ND	3	35	.3	3	2	79	.40	.206	8	28	.76	131	.25	2	2.36	.01	.11	1	12
OKB 0025S	1	20	12	137	.8	12	8	565	3.28	5	5	ND	2	16	.4	2	2	47	.17	.150	6	21	.38	93	.22	2	4.72	.02	.04	1	1
OKB 0026S	1	17	11	120	.4	23	17	1807	4.46	16	5	ND	2	48	.2	2	2	100	.55	.120	4	71	1.44	171	.36	3	2.52	.01	.21	1	1
OKB 0027S	1	58	16	135	.9	14	16	876	5.04	16	5	ND	2	25	.2	3	2	72	.19	.205	9	27	.75	72	.16	5	3.02	.01	.09	1	21
OKB 0028S	1	112	20	155	.7	17	21	1036	5.04	10	5	ND	2	22	.2	2	2	67	.15	.141	12	24	.93	69	.13	4	3.14	.01	.13	1	19
OKB 0029S	1	75	17	152	1.5	15	17	945	5.85	5	5	ND	2	26	.2	2	2	74	.18	.194	9	24	.76	57	.15	4	2.91	.01	.10	1	57
OKB 0030S	2	416	44	158	1.4	56	144	3814	1.89	12	5	ND	1	69	3.2	2	4	22	.94	.235	32	11	.31	61	.04	6	3.05	.01	.05	2	5
OKB 0031S	2	558	16	81	1.7	16	14	351	3.55	2	5	ND	1	23	.3	2	2	46	.19	.114	17	17	.57	25	.06	2	2.03	.01	.06	1	122
OKB 0032S	1	1279	26	66	2.5	18	25	624	3.18	3	5	ND	1	16	.3	2	2	40	.14	.157	16	16	.35	28	.09	3	2.09	.01	.06	1	32
OKB 0033S	2	1853	42	49	2.5	20	14	196	3.00	2	5	ND	1	17	.6	2	2	36	.17	.099	29	16	.35	23	.07	3	2.24	.01	.05	1	1
OKB 0034S	1	678	21	71	1.8	17	15	333	4.89	2	5	ND	2	19	.2	2	2	73	.17	.073	10	23	.77	29	.23	2	2.42	.01	.06	1	13
OKB 0035S	2	537	16	57	1.5	18	12	376	7.84	15	5	ND	3	18	.2	2	2	87	.11	.071	8	32	.84	30	.32	4	2.76	.01	.05	1	69
OKB 0036S	1	250	14	57	1.4	12	12	213	4.54	5	5	ND	3	15	.2	2	2	66	.12	.129	9	20	.40	48	.22	4	3.21	.01	.05	1	7
OKB 0037S	1	184	17	56	1.1	10	7	261	5.16	2	5	ND	3	20	.2	2	2	78	.15	.155	7	21	.63	48	.23	2	3.02	.01	.08	1	6
OKB 0038S	1	288	35	39	1.0	8	5	107	4.06	4	5	ND	2	11	.2	2	2	63	.09	.092	9	14	.20	31	.26	3	2.71	.02	.04	1	6
OKB 0039S	1	153	15	49	.6	10	18	430	4.07	2	5	ND	2	19	.2	2	2	60	.13	.072	7	19	.24	46	.20	2	1.11	.01	.07	2	2
STANDARD C/AU-S	19	58	40	133	7.0	72	31	1050	3.97	40	20	7	39	52	18.9	15	19	59	.59	.097	39	60	.90	183	.09	35	1.90	.06	.14	11	49

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Soil -80 Mesh AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: AUG 21 1990 DATE REPORT MAILED: Aug 25/90. SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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
OKB 0040S	2	20	11	34	.7	7	5	73	4.16	6	5	ND	4	8	.6	2	2	59	.04	.061	5	16	.15	40	.21	2	2.95	.01	.03	1	2
OKB 0041S	3	52	13	49	.4	7	7	195	5.52	9	5	ND	3	22	.2	2	2	76	.10	.188	5	16	.42	84	.24	2	2.90	.01	.07	1	2
OKB 0042S	4	97	9	58	.6	11	9	295	4.99	7	5	ND	4	22	.3	3	2	70	.13	.092	7	23	.65	67	.20	2	4.29	.01	.07	2	12
OKB 0043S	3	70	7	68	.8	9	9	473	3.90	6	5	ND	3	12	.7	3	2	52	.07	.140	6	16	.30	65	.18	3	4.95	.01	.05	1	6
OKB 0044S	4	43	7	52	.5	5	5	157	3.38	2	5	ND	3	11	.8	2	2	49	.07	.076	5	21	.29	56	.18	2	4.29	.01	.04	6	5
OKB 0045S	3	22	8	60	.4	7	5	180	4.11	5	5	ND	3	11	.7	2	2	52	.09	.137	6	18	.22	53	.19	2	4.73	.01	.04	1	3
OKB 0046S	4	61	8	69	.7	10	8	547	5.17	5	5	ND	3	28	.7	2	2	65	.12	.140	6	18	.65	86	.22	3	3.51	.02	.09	1	4
OKB 0047S	2	57	6	51	.9	12	7	222	4.65	9	5	ND	3	23	.5	3	5	65	.10	.080	8	18	.60	78	.21	3	4.29	.02	.08	3	13
OKB 0048S	4	40	20	57	.3	9	9	304	5.07	9	5	ND	3	17	.6	2	2	61	.05	.252	11	19	.38	60	.17	2	3.74	.02	.07	1	7
OKB 0049S	2	57	10	65	.6	9	10	637	4.60	7	5	ND	2	15	.2	2	2	63	.09	.148	5	19	.57	55	.18	2	2.71	.02	.05	2	14
OKB 0050S	2	25	13	41	.6	6	4	233	3.42	7	5	ND	2	8	.8	2	2	51	.06	.174	4	13	.13	44	.19	6	2.99	.02	.03	2	3
OKB 0051S	5	170	15	90	1.2	12	22	1842	8.46	13	5	ND	2	15	.5	3	2	82	.11	.115	10	19	1.34	64	.19	2	2.76	.02	.08	2	49
OKB 0052S	2	64	7	127	1.4	15	23	2742	5.65	7	5	ND	1	31	.3	2	2	66	.27	.175	6	16	.92	100	.15	2	2.51	.02	.10	1	11
OKB 0053S	3	122	16	114	1.2	16	33	870	5.71	10	5	ND	2	18	1.2	2	2	69	.16	.091	13	20	.52	46	.21	3	2.75	.02	.06	1	12
OKB 0054S	4	258	12	79	2.8	21	22	704	3.66	5	5	ND	1	50	1.1	2	2	50	.58	.084	17	15	.69	63	.09	2	2.07	.01	.06	1	17
OKB 0055S	6	486	78	137	.4	21	59	1753	7.28	30	5	ND	1	47	1.0	3	2	69	.65	.103	10	22	1.12	66	.08	4	2.10	.01	.07	1	20
OKB 0056S	1	57	14	238	1.0	14	18	2011	4.25	9	5	ND	1	47	1.0	3	2	58	.53	.121	8	22	.71	198	.11	3	2.15	.02	.11	1	10
OKB 0057S	1	94	23	457	.6	19	19	1575	4.15	8	5	ND	1	55	2.1	2	2	60	.67	.124	13	30	.99	106	.08	2	2.88	.01	.14	2	38
OKB 0058S	2	55	18	235	.7	13	16	1051	5.16	9	5	ND	2	31	1.7	2	2	70	.26	.064	12	23	.66	118	.16	4	2.29	.02	.07	2	11
OKB 0059S	2	60	6	148	.4	13	15	501	4.85	11	5	ND	3	21	.6	2	5	62	.17	.092	8	24	.60	93	.19	4	3.37	.02	.06	2	7
OKB 0060S	2	63	11	154	.6	14	18	737	4.96	14	5	ND	1	26	1.1	2	2	68	.23	.094	7	27	.74	88	.17	6	3.42	.02	.07	2	9
OKB 0061S	3	52	17	97	.6	13	14	606	5.43	7	5	ND	2	23	.7	2	3	74	.19	.062	7	22	.56	69	.19	3	2.28	.02	.07	2	13
OKB 0062S	1	33	25	119	.2	14	14	810	4.35	11	5	ND	1	36	.6	2	2	75	.36	.067	6	27	.87	89	.18	2	1.92	.01	.08	1	7
OKB 0063S	1	22	33	122	.2	10	12	3667	3.09	6	9	ND	1	45	1.5	2	4	51	.40	.069	6	17	.36	168	.22	3	1.03	.02	.10	1	5
OKB 0064S	1	107	94	250	.8	17	17	4614	3.60	4	5	ND	1	59	7.8	2	2	54	1.19	.110	28	30	.77	231	.10	2	2.41	.02	.12	1	4
OKB 0065S	1	33	17	153	.2	18	17	994	4.83	3	5	ND	1	29	1.1	2	2	75	.23	.095	6	32	.92	93	.18	2	2.39	.02	.08	1	8
OKB 0066S	1	34	19	123	.8	15	16	1729	4.70	6	5	ND	1	32	1.6	3	2	80	.38	.088	6	35	.77	127	.19	6	1.79	.02	.10	1	4
OKB 0067S	1	33	10	155	.4	18	16	1915	4.16	5	5	ND	1	29	1.3	2	2	74	.24	.101	6	43	.99	118	.19	4	2.44	.02	.08	1	2
OKB 0068S	1	28	14	188	.1	19	19	1501	4.65	9	5	ND	1	41	.5	2	2	84	.33	.122	5	49	1.32	148	.20	2	2.35	.01	.10	1	3
OKB 0069S	1	63	13	225	.5	19	18	1251	4.63	13	5	ND	2	46	1.1	3	2	62	.58	.070	13	24	.85	139	.19	3	4.22	.02	.07	3	11
OKB 0070S	2	206	58	820	2.0	16	20	4344	4.91	13	5	2	1	85	3.1	2	7	59	.96	.136	13	20	.89	134	.06	5	2.87	.01	.07	1	47
OKB 0071S	2	136	31	553	1.3	14	18	2410	3.67	14	5	ND	1	64	3.9	3	2	45	.86	.138	18	19	.67	70	.06	3	2.51	.02	.09	1	37
OKB 0072S	2	70	17	163	.5	16	15	1324	4.30	4	5	ND	1	31	.6	2	2	62	.27	.087	10	27	.81	96	.11	4	2.32	.02	.14	3	6
OKB 0073S	2	55	27	155	1.1	14	12	1380	3.65	7	5	ND	1	81	2.0	2	2	51	1.14	.093	14	17	.48	106	.09	5	1.97	.02	.08	1	11
OKB 0074S	3	66	35	166	1.0	12	13	725	4.93	11	5	ND	1	26	.6	3	4	63	.30	.067	10	19	.56	93	.15	3	2.59	.02	.09	2	26
OKB 0075S	3	67	41	139	1.2	14	13	1256	3.83	7	5	ND	1	62	1.9	3	2	47	1.14	.088	12	15	.45	139	.11	7	2.01	.02	.09	1	8
STANDARD C/AU-S	19	59	38	131	6.7	70	31	1051	3.99	39	20	7	38	53	18.5	15	21	56	.52	.094	38	57	.89	180	.07	37	1.89	.06	.14	12	45

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
OKB 0076S	3	180	13	65	1.1	20	43	651	4.81	4	5	ND	1	53	.5	2	2	69	.67	.050	6	23	.95	64	.32	6	2.29	.02	.17	1	14
OKB 0077S	2	84	14	65	2.4	9	11	631	4.09	9	5	ND	3	18	.4	2	2	54	.12	.132	8	17	.44	50	.18	3	3.06	.02	.06	1	21
OKB 0078S	1	63	15	65	.7	9	9	422	4.01	6	5	ND	2	18	.2	2	2	52	.11	.086	6	19	.56	42	.16	2	3.04	.01	.05	1	47
OKB 0079S	1	231	19	39	.7	10	7	149	5.42	4	5	ND	2	16	.3	2	2	78	.08	.111	5	24	.38	40	.23	6	1.86	.02	.05	1	15
OKB 0080S	2	1229	48	37	1.0	13	7	99	3.35	18	5	ND	1	11	.2	2	2	43	.08	.068	13	12	.38	28	.23	2	2.06	.02	.07	1	32
OKB 0081S	1	57	21	50	.9	8	6	347	4.81	5	5	ND	1	23	.4	2	2	68	.12	.068	5	16	.54	59	.23	7	1.89	.02	.08	1	30
OKB 0082S	1	89	11	46	.6	6	4	166	3.94	6	5	ND	2	12	.2	3	2	49	.06	.177	4	15	.32	52	.20	2	4.22	.01	.05	1	20
OKB 0083S	2	41	17	59	1.0	8	4	229	4.22	5	5	ND	4	15	.3	2	2	55	.07	.140	5	16	.37	60	.24	3	3.53	.02	.06	1	13
OKB 0084S	5	129	12	80	.8	10	8	284	3.43	8	6	ND	4	19	.3	3	2	54	.12	.111	9	15	.55	73	.20	3	3.57	.02	.11	1	19
OKB 0085S	121	575	10	31	.3	5	6	216	8.33	5	5	ND	2	78	.7	3	2	118	.25	.202	5	5	1.49	99	.32	14	2.61	.02	.92	1	62
( )086S	7	688	3	53	.3	10	12	636	7.37	2	5	ND	2	23	.3	2	2	203	.22	.164	8	24	1.39	89	.28	10	2.67	.01	.50	1	52
O(0087S	3	294	39	93	.3	12	23	918	4.67	14	5	ND	1	64	1.0	3	2	80	.64	.080	12	18	.92	87	.14	5	2.12	.01	.10	1	94
OKB 0088S	3	530	19	66	1.0	12	10	598	4.98	4	5	ND	1	34	.5	2	2	112	.31	.107	6	27	1.03	73	.20	7	1.91	.02	.20	1	44
OKB 0089S	4	508	22	62	1.0	10	6	209	3.99	12	5	ND	1	42	1.2	2	2	67	.37	.075	8	13	.43	62	.20	5	1.13	.02	.09	1	43
OKB 0090S	4	111	15	53	.7	8	5	126	6.44	8	5	ND	3	25	.6	2	2	108	.09	.083	3	20	.55	94	.35	8	2.33	.02	.09	1	10
OKB 0091S	5	74	17	61	.8	9	4	271	5.41	8	5	ND	2	31	.2	2	2	93	.10	.080	4	20	.73	100	.32	6	3.04	.02	.09	1	3
OKB 0092S	2	36	14	55	.8	7	4	196	3.92	3	5	ND	2	13	.3	2	2	62	.10	.077	4	12	.33	49	.25	3	2.37	.02	.05	1	8
OKB 0093S	1	46	32	62	.6	8	5	249	3.91	23	5	ND	3	15	.2	3	2	69	.08	.179	4	16	.54	43	.26	4	2.08	.02	.07	1	5
OKB 0094S	2	70	20	91	.7	12	9	563	4.24	9	5	ND	4	27	.4	2	2	63	.15	.090	7	20	.73	90	.22	2	3.11	.02	.10	1	8
OKB 0095S	2	55	14	80	.8	10	9	419	3.88	9	5	ND	2	17	.3	3	2	61	.09	.090	5	17	.57	92	.25	3	3.51	.02	.06	1	12
OKB 0096S	5	90	14	76	1.0	15	9	232	4.62	10	5	ND	1	19	.2	3	2	80	.10	.130	4	46	.84	80	.24	5	3.85	.02	.08	1	13
OKB 0097S	17	400	8	56	.2	19	11	440	6.23	3	5	ND	1	36	.3	2	2	133	.20	.078	2	69	1.83	54	.27	5	3.20	.01	.15	2	18
OKB 0098S	2	48	12	86	.6	9	8	558	4.28	3	5	ND	2	19	.3	2	2	60	.10	.182	5	21	.60	88	.23	3	3.57	.02	.07	1	4
OKB 0099S	7	239	14	48	1.4	9	6	209	6.28	9	5	ND	2	24	.2	2	2	81	.11	.063	5	19	.75	77	.30	7	3.11	.01	.07	1	6
OKB 0100S	8	671	16	60	.6	15	9	229	5.15	3	5	ND	1	30	.6	2	2	57	.17	.045	8	17	.70	81	.19	4	2.49	.01	.09	1	20
OKB 0101S	4	861	19	59	.3	21	9	177	2.55	6	5	ND	1	58	1.0	2	2	36	.84	.057	6	10	.34	81	.13	2	1.56	.02	.06	1	20
OKB 0102S	9	1348	18	70	.7	31	98	847	3.58	3	5	ND	1	42	.5	2	2	50	.60	.068	7	20	.72	61	.16	3	2.07	.02	.09	1	1
OKB 0103S	4	57	12	69	.8	7	6	1465	3.73	3	5	ND	1	29	.2	2	2	63	.13	.145	4	10	.45	153	.24	4	1.10	.02	.08	1	1
OK 0104S	7	97	9	70	1.7	8	6	379	4.79	7	5	ND	1	25	.3	2	2	65	.13	.159	3	14	.73	64	.23	5	3.35	.01	.07	1	1
( )105S	4	98	23	75	.6	9	7	261	4.71	11	5	ND	2	22	.2	2	2	64	.13	.185	5	18	.69	67	.21	5	2.72	.01	.09	1	6
OKB 0106S	8	344	15	69	.4	13	11	229	5.59	6	5	ND	1	25	.2	2	2	80	.15	.056	4	15	.76	56	.27	6	2.17	.02	.08	1	1
OKB 0107S	5	220	17	61	.5	11	9	237	4.54	10	5	ND	1	22	.3	2	2	70	.14	.050	5	14	.56	76	.26	3	2.03	.02	.07	1	1
OKB 0108S	10	4888	9	71	.4	33	65	586	4.41	5	5	ND	1	54	.2	2	2	74	.49	.095	10	21	.93	60	.20	2	1.71	.02	.20	1	1
OKB 0109S	11	2116	13	54	.7	16	30	789	4.15	5	5	ND	1	34	.2	2	2	82	.29	.104	4	20	1.06	53	.23	2	2.15	.01	.10	1	49
OKB 0110S	3	99	19	61	.8	8	5	399	4.52	4	5	ND	2	17	.2	2	2	66	.09	.140	6	14	.55	49	.23	5	2.15	.01	.07	1	1
OKB 0111S	6	448	15	62	.6	10	11	236	3.86	6	5	ND	1	16	.2	2	2	53	.10	.070	15	13	.46	27	.17	4	2.05	.02	.05	1	1
STANDARD C/AU-S	19	62	39	131	6.9	72	31	1044	3.95	40	17	7	39	52	18.6	15	18	55	.51	.095	36	57	.89	176	.09	35	1.88	.06	.13	14	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
OKB 0112S	3	194	9	86	.6	13	10	289	3.88	2	5	ND	4	14	.2	3	3	52	.11	.089	8	19	.48	50	.20	3	5.34	.02	.04	2	6
OKB 0113S	1	80	2	71	.1	8	24	1928	6.23	10	5	ND	2	28	.2	2	2	99	.64	.285	9	4	2.25	104	.27	2	3.64	.01	.89	1	14
OKB 0114S	1	1971	13	81	.3	15	87	1048	3.99	11	5	ND	2	23	.3	2	2	52	.24	.092	23	19	.57	62	.17	3	2.20	.02	.10	1	14
OKB 0115S	1	263	21	114	.8	11	16	1111	5.06	7	5	ND	2	26	.2	2	2	75	.20	.131	8	18	.83	91	.21	3	2.69	.02	.12	2	380
OKB 0116S	1	46	19	93	1.6	10	11	1127	5.45	14	5	ND	1	24	.2	2	2	66	.20	.177	6	18	.57	90	.19	2	1.72	.02	.07	1	36
OKB 0117S	1	97	25	120	1.8	13	11	1291	5.46	14	5	ND	1	26	.5	3	2	73	.31	.137	7	23	.67	123	.19	2	2.59	.01	.09	1	36
OKB 0118S	1	247	17	200	.6	38	37	1949	4.53	9	5	ND	1	45	1.4	3	2	60	.66	.137	14	26	.93	96	.12	2	2.62	.02	.13	1	13
OKB 0119S	1	46	19	123	.6	14	14	918	4.06	17	5	ND	1	29	.2	3	2	58	.26	.110	12	25	.72	79	.14	2	2.37	.02	.11	2	17
OKB 0120S	1	46	18	117	.8	13	10	570	4.10	7	5	ND	2	30	.3	4	2	62	.31	.067	11	25	.63	80	.17	2	2.16	.02	.10	1	15
OKB 0121S	1	48	39	419	.5	13	15	1624	3.72	16	5	ND	1	35	2.9	3	2	47	.57	.136	16	19	.62	129	.08	2	2.39	.02	.09	1	9
OKB 0122S	1	116	21	314	.6	13	13	2832	3.05	9	5	ND	1	139	1.4	4	2	48	2.46	.256	11	16	.69	344	.06	18	2.05	.07	.50	1	22
OKB 0123S	1	84	30	336	1.0	22	24	1291	5.33	20	5	ND	1	33	1.4	3	2	92	.41	.066	10	48	1.22	81	.17	4	2.56	.02	.13	1	26
OKB 0124S	1	123	90	384	1.1	38	37	4805	7.60	23	5	ND	1	19	1.6	2	2	185	.22	.113	10	128	2.96	141	.15	2	3.94	.01	.26	1	65
OKB 0125S	1	51	44	162	.4	15	14	1165	4.87	10	5	ND	1	44	.7	2	2	80	.46	.071	8	31	.91	116	.20	2	2.03	.02	.09	1	15
OKB 0126S	1	30	4	197	.1	39	23	2044	4.86	9	5	ND	1	54	.6	3	2	109	.60	.144	3	118	2.40	342	.31	2	3.08	.02	.84	1	4
OKB 0127S	1	30	23	140	.4	19	15	970	4.36	9	5	ND	2	32	.8	2	2	79	.40	.193	6	55	.95	131	.23	2	2.14	.01	.16	1	1
OKB 0128S	1	33	15	130	.1	16	16	2601	3.92	4	5	ND	1	43	1.0	2	2	68	.56	.091	8	31	.87	145	.15	2	1.91	.02	.13	1	2
OKB 0129S	1	31	17	132	.1	17	15	1252	4.29	9	5	ND	2	38	.4	2	2	72	.39	.043	12	31	.96	91	.23	2	2.56	.02	.07	2	7
OKB 0130S	1	18	16	98	.3	9	8	1226	3.20	7	5	ND	1	34	.4	2	2	68	.27	.050	7	17	.40	142	.16	2	1.52	.02	.07	1	13
OKB 0131S	1	65	20	166	.2	19	16	1456	3.97	18	5	ND	1	46	1.9	2	2	70	.67	.096	10	45	1.09	106	.14	3	2.47	.01	.13	1	22
OKB 0132S	1	28	14	179	.4	25	19	1867	4.58	8	5	ND	1	36	.8	2	2	93	.32	.087	5	74	1.55	128	.24	2	2.68	.01	.19	1	1
OKB 0133S	1	21	12	167	.4	21	19	1909	4.38	2	5	ND	1	39	.5	2	2	90	.31	.063	5	58	1.25	128	.23	2	2.25	.02	.12	1	2
OKB 0134S	1	58	28	554	.5	16	17	5059	4.26	13	5	ND	2	75	2.7	2	3	65	1.10	.310	9	26	.82	516	.15	9	2.08	.02	.18	1	3
OKB 0135S	2	76	47	138	.5	13	15	1702	4.44	16	5	ND	1	43	.9	2	2	61	.53	.106	12	19	.73	70	.12	4	3.02	.01	.09	2	19
OKB 0136S	1	97	55	113	.6	11	18	1651	4.33	7	5	ND	1	25	.7	2	2	64	.22	.216	9	19	.68	83	.08	3	1.55	.01	.24	1	1
OKB 0137S	1	54	24	132	.5	15	14	1502	3.48	10	5	ND	1	46	1.4	2	2	50	.94	.142	10	23	.71	93	.07	4	1.94	.02	.11	1	2
OKB 0138S	1	50	24	197	.6	21	23	3196	5.51	9	5	ND	1	37	.5	2	3	89	.49	.098	6	36	1.79	212	.19	2	2.70	.01	.18	1	7
OKB 0139S	1	54	4	300	.4	27	30	2400	6.79	2	5	ND	1	60	.2	2	2	168	.66	.134	3	48	2.60	312	.35	2	3.79	.02	.80	1	36
OKB 0140S	1	40	24	141	.5	14	12	1170	3.99	11	5	ND	1	41	.9	2	2	63	.44	.069	10	24	.72	127	.15	2	1.74	.02	.13	1	3
OKB 0141S	2	51	28	105	.5	12	10	662	4.12	14	5	ND	1	21	.7	2	2	58	.16	.178	8	21	.64	60	.14	2	2.15	.01	.09	2	1
OKB 0142S	2	78	18	119	.9	14	14	960	4.04	9	5	ND	3	23	.2	2	2	55	.22	.108	11	20	.63	88	.16	2	2.40	.01	.10	2	2
OKB 0143S	1	419	62	124	.6	24	94	1240	3.27	10	5	ND	1	51	1.4	2	2	46	1.01	.144	10	15	.59	56	.08	2	1.89	.02	.10	1	12
OKB 0144S	1	111	11	128	.6	13	20	837	5.28	10	5	ND	2	22	.2	2	3	67	.17	.129	7	22	.79	62	.20	2	2.50	.02	.08	1	1
OKB 0145S	1	71	11	92	1.3	9	7	939	4.75	14	5	ND	3	18	.2	2	2	62	.11	.123	8	22	.57	82	.21	4	4.19	.02	.08	2	1
OKB 0146S	1	23	7	52	.5	8	3	329	5.59	7	5	ND	2	41	.2	2	2	109	.22	.119	4	12	1.24	98	.40	2	1.95	.02	.16	1	1
OKB 0147S	1	25	8	68	.5	8	4	249	3.95	2	5	ND	5	13	.2	2	2	55	.10	.085	6	20	.32	60	.23	2	5.31	.02	.04	4	3
STANDARD C/AU-S	18	63	44	135	7.1	73	31	1048	3.97	40	20	7	40	52	18.6	15	20	59	.58	.099	40	59	.90	183	.09	35	1.90	.06	.13	11	53

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
OKB 0148S	3	76	16	51	.8	8	3	374	6.13	7	5	ND	2	32	.4	2	2	66	.12	.177	3	11	.87	132	.28	4	3.60	.02	.23	1	16
OKB 0149S	2	53	17	67	1.5	8	6	458	4.02	9	5	ND	3	16	.2	5	2	58	.09	.214	4	15	.41	103	.24	4	3.22	.02	.06	1	6
OKB 0150S	3	80	20	69	.6	10	8	347	4.32	9	5	ND	4	17	.2	4	2	58	.11	.105	6	19	.59	51	.22	3	3.45	.01	.07	1	18
OKB 0151S	3	493	7	70	.5	17	36	1546	8.53	13	5	ND	1	45	.2	2	2	142	.43	.143	2	50	1.83	116	.37	2	3.47	.01	1.17	1	78
OKB 0152S	2	79	18	71	.7	10	10	739	4.06	3	5	ND	2	21	.2	2	2	62	.13	.066	5	18	.61	68	.21	3	2.29	.01	.10	1	26
OKB 0153S	1	67	19	97	.9	12	12	773	4.06	11	5	ND	4	24	.2	2	2	55	.19	.121	10	20	.73	58	.16	4	2.94	.02	.12	1	26
OKB 0154S	2	43	24	92	1.5	11	11	492	4.66	11	5	ND	3	20	.2	4	2	58	.13	.092	9	19	.53	58	.19	2	3.13	.01	.07	1	14
OKB 0155S	2	70	18	103	1.3	12	10	480	4.22	9	5	ND	3	19	.5	3	2	54	.13	.104	8	21	.60	60	.18	3	3.27	.01	.08	1	8
OKB 0156S	1	46	14	127	.7	13	12	1033	3.93	10	5	ND	2	22	.2	2	2	54	.13	.148	7	19	.75	92	.17	2	2.72	.01	.08	1	13
OKB 0157S	2	114	53	122	.8	16	19	1433	3.97	11	5	ND	1	28	.5	3	2	59	.26	.065	12	21	.92	63	.18	2	2.67	.02	.11	1	26
OKB 0158S	1	86	28	190	.4	19	20	2481	4.59	7	5	ND	1	32	.2	2	2	78	.37	.053	3	32	1.12	215	.25	2	2.37	.01	.24	1	180
OKB 0159S	1	49	20	131	.6	13	11	896	5.45	10	5	ND	2	27	.2	2	2	79	.17	.123	5	22	.80	106	.22	2	1.80	.01	.12	1	37
OKB 0160S	2	59	24	218	.6	16	14	665	5.86	13	5	ND	2	29	.7	3	4	80	.22	.119	7	28	.92	87	.23	5	2.27	.01	.12	1	19
OKB 0161S	5	96	17	128	.7	12	16	1252	6.45	9	5	ND	1	45	.2	3	2	98	.22	.088	3	13	1.29	98	.30	3	2.85	.01	.23	1	86
OKB 0162S	2	105	30	380	.7	17	28	4364	4.80	11	5	ND	1	40	1.5	2	2	59	.48	.127	8	17	.72	310	.12	3	2.90	.02	.08	1	32
OKB 0163S	1	51	27	234	.5	16	18	1671	4.22	13	5	ND	1	49	1.1	3	2	58	.64	.111	6	23	.80	147	.13	2	2.25	.01	.11	1	9
OKB 0164S	1	42	19	139	.5	14	13	984	4.36	9	5	ND	1	31	.5	2	2	67	.26	.119	7	26	.73	113	.16	2	1.96	.01	.08	1	5
OKB 0165S	1	35	26	117	.4	12	10	699	3.37	8	5	ND	1	21	.5	3	2	47	.18	.228	5	18	.57	77	.13	2	2.06	.01	.06	1	2
OKB 0166S	1	31	19	122	.7	17	11	570	4.20	5	5	ND	1	42	.2	2	2	77	.29	.085	4	44	1.02	56	.24	2	2.08	.01	.12	1	11
OKB 0167S	1	80	73	301	.4	25	17	1413	3.58	17	5	ND	1	57	3.5	3	2	66	.93	.113	5	48	1.12	122	.13	4	2.33	.01	.20	1	10
OKB 0168S	2	102	24	198	.6	19	11	698	3.78	7	5	ND	1	45	2.0	3	2	56	.60	.070	9	22	.67	75	.14	6	2.02	.01	.08	1	16
OKB 0169S	3	25	70	95	.3	7	2	404	.47	6	5	ND	1	156	2.2	2	2	9	3.25	.071	2	3	.14	62	.01	6	.36	.01	.03	1	7
OKB 0170S	2	89	25	116	1.1	18	12	828	3.95	5	5	ND	2	27	1.2	2	2	57	.23	.061	10	20	.69	73	.16	3	2.28	.01	.10	1	8
OKB 0171S	1	75	24	101	.8	14	9	856	4.30	8	5	ND	1	22	.3	2	2	67	.17	.058	9	21	.60	77	.21	2	2.00	.01	.09	1	23
OKB 0172S	1	128	39	137	.5	12	23	5343	4.99	11	5	ND	1	25	.5	2	2	71	.20	.132	6	18	.74	168	.12	2	1.67	.01	.09	1	18
OKB 0173S	1	63	14	111	.5	14	12	1204	5.12	6	5	ND	2	41	.2	2	2	86	.29	.134	2	18	1.23	81	.22	2	2.80	.01	.11	1	15
OKB 0174S	1	53	14	137	.5	17	13	674	4.16	6	5	ND	1	30	.2	4	2	74	.25	.119	4	33	.93	113	.21	2	2.65	.01	.10	1	44
OKB 0175S	1	75	26	66	1.2	11	10	586	3.87	7	5	ND	3	22	.4	2	2	56	.16	.079	8	20	.62	74	.22	4	2.15	.02	.07	1	16
OKB 0176S	1	47	17	71	1.1	11	9	387	4.97	9	5	ND	3	19	.2	2	2	63	.12	.124	10	19	.57	62	.22	4	2.64	.01	.08	1	10
OKB 0177S	1	32	26	87	.7	10	8	663	4.49	9	5	ND	3	23	.2	3	2	68	.19	.152	7	18	.51	60	.22	2	1.96	.02	.09	1	13
OKB 0178S	1	27	23	69	.8	9	7	771	4.35	10	5	ND	2	18	.2	2	2	60	.11	.161	5	19	.47	52	.21	3	2.76	.02	.06	1	4
OKB 0179S	3	39	15	49	1.0	7	4	222	4.27	4	5	ND	2	28	.2	4	2	78	.16	.123	5	13	.60	87	.28	3	2.00	.01	.07	1	8
OKB 0180S	16	258	16	74	.9	13	20	408	4.23	4	5	ND	2	19	.2	3	3	58	.12	.104	6	18	.71	64	.23	2	3.60	.02	.07	1	15
OKB 0181S	11	95	15	74	.5	10	10	558	4.77	7	5	ND	2	18	.2	4	5	63	.11	.144	5	20	.59	53	.20	2	2.66	.01	.06	1	11
OKB 0182S	12	118	16	56	.6	8	8	421	6.10	4	5	ND	1	28	.2	2	3	95	.14	.148	4	13	.82	77	.25	2	1.85	.01	.10	1	17
OKB 0183S	9	750	16	58	.4	13	29	605	6.89	4	5	ND	3	21	.2	2	2	96	.26	.111	10	17	1.25	57	.28	2	2.53	.01	.43	1	10
STANDARD C/AU-S	18	61	38	131	6.8	72	31	1046	3.96	39	18	7	38	52	18.4	15	21	55	.52	.092	36	56	.89	182	.09	34	1.88	.06	.14	13	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
OKB 0184S	2	38	31	42	.2	10	12	417	3.17	4	5	ND	1	25	.6	2	2	63	.11	.055	4	22	.76	55	.08	2	1.21	.01	.08	2	51
OKB 0185S	3	54	6	59	1.1	11	10	398	5.28	5	5	ND	2	23	.5	2	2	84	.12	.092	5	27	.78	61	.21	2	2.26	.02	.06	1	12
OKB 0186S	3	35	7	60	.5	7	8	382	4.12	5	5	ND	3	11	.2	2	2	55	.08	.203	6	17	.31	46	.17	2	5.12	.01	.05	1	12
OKB 0187S	2	34	4	72	.7	9	11	567	3.51	9	5	ND	2	13	.3	2	2	48	.09	.218	5	17	.36	52	.15	2	4.96	.02	.04	2	4
OKB 0188S	2	30	10	110	.9	12	10	443	4.17	8	5	ND	3	17	.9	2	2	55	.13	.172	6	21	.46	72	.16	2	3.83	.02	.07	1	9
OKB 0189S	2	54	17	122	.4	12	19	2402	5.01	10	5	ND	1	23	.5	2	2	60	.23	.152	8	17	1.04	130	.14	2	2.08	.02	.14	1	13
OKB 0190S	2	77	3	82	.4	175	30	1612	6.60	7	5	ND	1	25	1.0	4	2	196	.48	.111	5	260	3.93	82	.18	2	4.64	.01	.24	1	4
OKB 0191S	2	85	15	81	.6	17	15	1275	4.49	8	5	ND	1	23	.6	3	2	72	.15	.123	8	22	.95	70	.14	2	2.60	.02	.10	1	41
OKB 0192S	3	41	19	95	.7	12	12	720	4.39	8	5	ND	1	22	.2	2	2	60	.14	.139	8	23	.70	56	.12	3	1.97	.01	.09	2	6
OKB 0193S	3	72	18	93	.8	15	15	1396	3.31	8	5	ND	1	49	1.2	2	2	48	.92	.119	11	17	.66	61	.08	5	2.31	.02	.08	2	20
OKB 0194S	2	185	12	79	1.1	30	6	185	1.79	2	5	ND	1	60	2.7	2	2	28	1.13	.130	17	12	.36	74	.05	4	2.20	.02	.05	2	10
OKB 0195S	3	43	15	127	.3	15	12	994	3.46	9	5	ND	1	28	.5	2	2	52	.32	.062	9	19	.62	80	.15	2	2.40	.02	.08	2	1
OKB 0196S	2	62	19	182	.9	15	19	1246	4.82	7	5	ND	2	26	1.0	2	2	83	.17	.084	6	20	1.06	103	.20	3	3.61	.02	.09	1	4
OKB 0197S	5	204	33	261	1.2	18	38	2347	7.40	15	5	ND	2	28	.8	4	7	110	.27	.092	8	20	1.50	170	.22	2	3.36	.02	.14	1	21
OKB 0198S	2	34	27	148	.7	12	15	1285	4.03	9	5	ND	1	32	.8	3	2	65	.26	.114	7	23	.64	82	.15	3	1.67	.01	.08	1	14
OKB 0199S	2	36	9	196	.5	21	19	1233	4.69	9	5	ND	1	42	1.5	3	2	87	.28	.070	6	54	1.53	96	.24	2	3.01	.02	.11	1	3
OKB 0200S	1	46	14	407	.3	23	20	1928	4.15	11	5	ND	1	90	2.7	2	2	76	1.48	.110	8	59	1.48	164	.14	2	3.17	.02	.18	1	10
OKB 0201S	1	38	16	118	.7	16	14	1440	3.55	8	5	ND	1	29	2.5	3	2	64	.50	.078	10	26	.59	114	.17	4	2.69	.02	.08	1	30
OKB 0202S	2	23	17	157	.4	16	14	997	4.33	8	5	ND	2	29	.9	2	2	74	.22	.117	6	38	.91	101	.20	3	2.39	.02	.07	1	1
OKB 0203S	1	32	25	141	.5	16	15	1156	4.42	8	5	ND	1	31	1.5	2	4	71	.21	.136	8	36	.92	80	.18	3	2.30	.01	.08	1	2
OKB 0204S	2	25	17	88	.4	11	10	344	4.50	6	5	ND	2	26	.6	2	2	73	.15	.073	7	23	.54	69	.19	3	1.72	.02	.06	1	11
OKB 0205S	2	34	24	156	.6	14	16	1947	4.28	10	5	ND	2	25	.5	3	2	67	.21	.122	8	20	.78	198	.16	2	2.30	.02	.08	1	24
OKB 0206S	4	38	22	96	.9	11	10	925	5.23	9	5	ND	1	19	1.6	2	2	79	.14	.123	8	20	.47	66	.17	4	1.91	.01	.07	1	8
OKB 0207S	2	79	9	67	.9	12	15	1837	5.11	4	5	ND	1	18	.7	2	2	115	.16	.117	6	19	1.13	75	.17	2	2.19	.02	.07	1	8
OKB 0208S	3	77	16	115	1.0	13	18	834	5.19	3	5	ND	3	22	.6	2	3	66	.16	.099	6	19	.81	114	.19	2	4.29	.01	.07	2	13
OKB 0209S	2	55	20	96	.4	11	16	1322	5.32	6	5	ND	2	39	.6	2	2	82	.25	.173	6	18	1.15	130	.20	2	2.58	.02	.13	1	14
OKB 0210S	2	79	10	99	.4	14	16	951	5.41	8	5	ND	3	22	.7	2	2	77	.16	.094	7	18	1.29	81	.19	2	3.03	.02	.12	1	1
OKB 0211S	2	23	23	72	.6	9	8	354	5.27	9	5	ND	3	14	.6	2	2	71	.08	.134	7	19	.44	51	.20	2	2.39	.01	.07	1	6
OKB 0212S	3	256	16	81	1.0	13	17	900	5.48	9	5	ND	2	52	.4	3	2	85	.27	.097	6	14	1.18	94	.22	2	2.69	.02	.16	1	6
OKB 0213S	2	45	23	79	.6	11	13	585	4.36	14	5	ND	3	16	.2	3	2	59	.09	.272	7	19	.44	63	.17	2	4.14	.02	.06	1	12
OKB 0214S	2	27	14	74	.8	8	10	831	3.42	6	5	ND	3	12	.2	2	10	48	.09	.099	5	15	.27	68	.17	2	3.89	.02	.04	1	5
OKB 0215S	1	20	17	72	.4	11	10	891	3.79	9	5	ND	1	18	.4	2	2	70	.10	.090	4	13	.87	62	.20	2	1.85	.02	.08	1	1
OKB 0216S	2	47	14	103	1.1	11	13	1552	4.09	8	5	ND	3	13	.2	2	2	55	.09	.315	5	14	.54	92	.17	2	3.10	.02	.06	1	1
OKB 0217S	4	122	18	75	.5	15	21	1296	6.30	6	5	ND	2	23	.7	2	2	88	.11	.163	5	23	1.34	92	.21	2	2.89	.01	.13	1	3
OKB 0218S	6	123	13	68	.5	11	16	1082	6.78	9	5	ND	2	15	.9	2	2	88	.07	.218	8	16	1.10	100	.20	2	2.12	.01	.18	3	44
OKB 0219S	4	216	14	73	1.0	16	20	833	6.45	5	5	ND	2	17	.5	2	5	101	.14	.116	8	36	1.63	72	.18	4	3.71	.01	.12	3	24
STANDARD C/AU-S	19	59	38	131	6.9	72	32	1051	3.95	40	20	7	39	53	18.5	15	20	56	.52	.092	38	56	.89	181	.07	37	1.90	.06	.14	12	46

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
OKB 0220S	1	147	6	86	.3	25	23	1836	7.38	7	5	ND	1	37	.2	2	2	146	.28	.133	2	64	2.10	78	.23	3	3.30	.01	.15	3	4
OKB 0221S	3	270	16	79	.4	16	24	1269	9.64	10	5	ND	1	20	.2	2	2	95	.11	.207	11	20	1.10	103	.11	2	2.50	.01	.10	1	28
OKB 0222S	2	155	12	77	.8	13	13	573	5.69	7	5	ND	2	16	.2	5	2	86	.09	.127	8	17	.90	79	.23	2	3.24	.02	.09	2	9
OKB 0223S	13	2490	3	59	2.0	13	26	1082	7.67	6	5	ND	2	29	.2	3	2	121	.44	.235	10	16	1.65	76	.22	3	3.61	.01	.32	1	13
OKB 0224S	7	302	5	52	.7	8	10	428	5.66	8	5	ND	1	46	.2	3	2	120	.23	.172	6	11	1.15	71	.25	2	2.04	.01	.12	1	22
OKB 0225S	4	244	6	56	2.1	11	8	357	5.81	5	5	ND	2	26	.3	4	2	92	.11	.106	7	21	.91	76	.23	2	3.91	.01	.08	2	6
OKB 0226S	10	1063	14	70	.3	56	3	381	.23	2	5	ND	1	418	2.7	2	2	5	4.57	.063	2	2	.13	258	.01	2	.22	.01	.01	1	5
OKB 0227S	13	103	39	98	.1	4	1	3307	.44	4	5	ND	1	654	.7	2	2	3	4.09	.077	2	2	.08	146	.01	7	.16	.01	.02	1	3
OKB 0228S	6	42	71	71	.1	3	2	852	.85	11	5	ND	1	242	1.5	2	2	5	3.23	.097	2	2	.09	116	.01	3	.20	.01	.03	1	3
OKB 0229S	4	584	17	82	.6	12	16	1344	4.35	9	5	ND	1	48	.7	2	2	81	.44	.097	17	19	.79	141	.15	3	1.95	.02	.12	2	32
(0230S	5	2191	12	81	1.0	11	25	1876	3.59	4	5	ND	1	78	.9	2	2	57	.94	.114	28	14	.52	154	.10	2	2.28	.02	.09	1	3
O 0231S	2	170	15	98	1.9	12	12	1085	4.31	8	5	ND	1	44	.3	4	2	82	.30	.125	9	20	.83	102	.14	2	2.16	.01	.18	2	32
OKB 0232S	3	198	15	90	.4	12	13	604	4.85	10	5	ND	1	54	.3	4	2	92	.44	.144	9	20	.90	103	.15	2	2.18	.01	.16	2	73
OKB 0233S	1	47	18	151	.5	20	15	855	4.81	7	5	ND	1	31	.2	2	2	95	.21	.101	6	43	1.08	81	.27	2	2.94	.01	.08	2	22
OKB 0234S	1	38	19	118	.2	14	13	3884	3.91	10	5	ND	1	29	.5	5	2	79	.17	.128	6	28	.81	84	.17	2	1.88	.01	.07	1	5
OKB 0235S	1	39	19	133	.6	13	9	535	4.00	11	5	ND	1	22	.6	3	2	74	.16	.128	6	23	.68	91	.19	2	2.64	.01	.05	1	10
OKB 0236S	1	71	17	134	1.6	15	14	1968	4.45	7	5	ND	1	28	.5	2	2	90	.17	.141	5	18	.90	108	.20	2	2.70	.02	.06	1	12
OKB 0237S	1	33	18	72	.2	13	14	644	4.66	8	5	ND	1	48	.2	3	2	136	.29	.070	2	11	1.35	64	.28	2	2.19	.01	.11	1	4
OKB 0238S	1	39	18	83	.5	11	9	634	4.15	8	5	ND	1	14	.2	4	2	72	.08	.081	6	16	.63	69	.20	2	3.25	.02	.04	2	5
OKB 0239S	1	64	22	120	.4	15	13	1122	4.74	11	5	ND	1	26	.3	3	2	86	.17	.086	7	23	1.04	67	.17	2	2.20	.01	.07	2	49
OKB 0240S	1	64	14	177	.4	16	11	913	5.85	10	5	ND	1	24	.2	2	2	100	.11	.178	3	20	1.03	57	.27	2	3.77	.02	.06	1	7
OKB 0241S	1	39	20	95	.4	12	8	501	3.96	12	5	ND	2	15	.3	3	2	64	.09	.153	6	17	.65	64	.21	2	3.63	.02	.06	2	9
OKB 0242S	1	33	13	60	.3	9	6	300	3.38	8	5	ND	1	11	.2	2	2	60	.07	.134	4	14	.42	56	.22	2	3.63	.02	.04	2	2
OKB 0243S	1	56	13	164	.7	20	17	969	5.52	8	5	ND	1	28	.2	6	2	122	.17	.077	3	27	1.33	78	.27	2	3.02	.01	.09	1	3
OKB 0244S	1	37	13	72	.6	9	6	329	3.89	9	5	ND	1	10	.2	5	2	65	.06	.233	4	18	.51	42	.23	2	5.15	.02	.04	1	5
OKB 0245S	1	57	9	148	.1	24	29	1432	5.85	3	5	ND	1	34	.4	2	2	128	.50	.070	2	28	2.71	119	.25	2	3.56	.01	.20	1	5
OKB 0246S	1	146	36	116	.2	40	23	1163	5.69	4	5	ND	1	59	.5	2	2	151	.83	.149	2	71	2.78	177	.23	2	3.48	.01	.70	1	36
OKB 0247S	1	130	5	81	.2	36	22	1286	5.19	2	5	ND	1	46	.2	2	2	147	.61	.126	2	100	3.28	90	.22	2	3.79	.01	.33	1	4
O 0248S	1	112	8	132	.4	22	28	2272	5.07	8	5	ND	1	53	.5	4	2	98	.75	.111	5	31	1.38	93	.15	2	2.67	.01	.20	1	5
(0249S	1	81	98	112	.3	17	19	1504	3.64	9	5	ND	1	80	1.2	6	2	78	2.02	.128	5	21	1.34	117	.10	3	2.32	.01	.21	1	2
OKB 0250S	1	85	16	151	.6	18	17	2777	3.74	9	5	ND	1	58	1.2	4	2	74	1.30	.130	12	22	1.08	123	.11	4	3.20	.02	.08	1	11
OKB 0251S	1	46	16	164	.2	18	14	962	5.15	8	5	ND	1	25	.5	4	2	87	.19	.152	6	30	.93	164	.19	2	2.22	.02	.07	1	14
OKB 0252S	1	55	18	155	.7	14	14	1111	4.77	8	5	ND	1	23	.2	2	2	76	.16	.206	6	20	.95	109	.18	2	3.13	.01	.09	2	15
OKB 0253S	1	67	24	126	.6	14	16	1465	4.44	7	5	ND	1	19	.3	2	2	65	.14	.128	8	23	.89	76	.11	2	2.26	.01	.06	2	9
OKB 0254S	1	49	27	135	.4	14	15	1212	4.82	13	5	ND	1	25	.3	3	2	79	.20	.126	5	21	.83	131	.15	2	2.19	.01	.06	2	3
OKB 0255S	1	44	23	122	.6	12	10	489	3.84	6	5	ND	1	12	.5	2	2	61	.07	.132	6	16	.63	62	.20	2	3.31	.02	.05	2	2
STANDARD C/AU-S	18	59	40	131	7.0	72	31	1044	3.95	38	19	6	39	52	18.4	14	21	56	.51	.091	38	55	.92	183	.09	34	1.88	.06	.14	11	46

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
OKB 0256S	1	34	250	137	.1	13	10	3524	2.84	30	5	ND	1	24	3.2	5	4	54	.29	.071	7	13	.58	148	.04	3	1.25	.01	.08	1	24
OKB 0257S	1	29	22	112	.2	16	22	685	5.68	13	5	ND	1	14	.4	2	2	124	.14	.079	9	20	1.20	112	.08	2	2.85	.01	.06	1	127
OKB 0258S	1	73	20	226	.4	14	23	3767	4.18	2	5	ND	1	36	.5	2	2	52	.48	.171	8	13	.44	372	.16	2	3.30	.02	.05	1	125
OKB 0259S	1	54	15	143	.1	16	13	948	3.94	11	5	ND	3	24	.2	2	2	58	.25	.134	8	28	.88	104	.16	3	2.93	.01	.07	1	7
OKB 0260S	1	28	21	120	.4	14	9	543	4.09	14	5	ND	2	19	.2	2	2	63	.13	.091	6	26	.68	57	.19	3	2.31	.01	.07	1	16
OKB 0261S	1	25	13	106	.1	15	10	444	4.18	9	5	ND	1	21	.2	2	2	68	.18	.128	5	34	.73	73	.23	2	2.27	.01	.05	1	11
OKB 0262S	1	22	13	91	.6	11	8	922	3.20	3	5	ND	1	15	.2	2	2	51	.12	.102	6	22	.48	90	.20	2	2.17	.01	.05	1	3
OKB 0263S	1	37	13	124	.4	25	12	545	3.95	10	5	ND	2	20	.2	2	2	69	.17	.070	6	54	1.02	104	.25	2	3.32	.01	.06	1	4
OKB 0264S	1	23	12	111	.6	12	7	438	3.18	12	5	ND	3	12	.2	2	3	49	.09	.103	5	22	.42	80	.21	2	3.60	.01	.04	1	2
OKB 0265S	1	29	17	110	.4	13	10	789	3.72	15	5	ND	3	18	.2	2	2	56	.15	.091	6	22	.50	82	.20	2	2.69	.01	.05	1	2
OKB 0266S	1	44	15	134	.3	12	13	2094	3.31	8	5	ND	1	28	.4	2	3	48	.41	.138	8	19	.50	201	.12	2	1.35	.01	.09	1	53
OKB 0267S	1	161	56	609	1.3	26	25	5738	5.77	7	5	ND	1	38	3.9	2	2	40	.65	.177	17	20	.58	213	.05	2	2.57	.01	.08	1	119
OKB 0268S	2	91	41	252	.6	19	21	9140	5.41	19	5	ND	1	33	.9	2	4	60	.40	.126	13	24	.88	303	.08	2	2.50	.01	.09	1	137
OKB 0269S	1	81	38	179	.2	19	18	8306	4.88	9	5	ND	1	22	.6	3	2	54	.25	.115	13	21	1.00	196	.08	2	2.66	.01	.11	1	48
OKB 0270S	1	36	67	136	.2	14	14	3966	3.95	25	5	ND	1	16	1.7	3	2	55	.12	.074	8	18	.80	120	.10	2	1.57	.01	.07	1	62
OKB 0271S	1	110	31	196	.1	19	23	5282	5.10	11	5	ND	1	35	.6	2	2	66	.34	.116	10	23	1.40	248	.09	2	2.76	.01	.10	1	22
OKB 0272S	1	61	72	204	.1	23	24	4339	4.38	13	5	ND	1	40	1.1	2	2	57	.33	.118	5	33	1.70	169	.09	2	2.39	.01	.12	1	8
OKB 0273S	1	42	25	122	.1	16	14	1552	4.24	11	5	ND	1	22	.2	2	2	60	.17	.094	7	24	1.03	72	.12	2	2.13	.01	.08	1	9
OKB 0274S	1	106	77	191	.6	19	23	4380	4.23	2	5	ND	1	50	1.5	2	3	51	.87	.225	7	20	1.20	207	.09	3	2.65	.01	.18	1	41
OKB 0275S	1	94	90	395	.4	27	31	8563	3.94	10	5	ND	1	51	2.2	2	2	52	1.04	.163	5	22	1.06	307	.12	3	1.71	.01	.27	1	43
OKB 0276S	1	70	24	178	.1	21	20	1627	4.78	8	5	ND	3	23	.7	2	2	72	.21	.233	7	27	1.26	167	.21	2	2.94	.01	.10	1	34
OKB 0277S	1	83	3	155	.2	31	27	2393	7.22	12	5	ND	1	32	.4	2	2	150	.42	.093	3	31	2.71	247	.30	4	3.66	.01	.70	1	17
OKB 0278S	1	149	10	158	.8	26	26	2334	6.44	10	5	ND	1	27	.3	2	2	131	.32	.111	4	25	2.33	195	.28	2	3.60	.01	.22	1	10
OKB 0279S	1	61	21	113	.1	19	22	1967	5.49	8	5	ND	2	35	.2	2	2	96	.38	.138	5	22	1.59	221	.26	4	3.11	.01	.18	1	30
OKB 0280S	4	258	19	96	.4	18	20	1934	4.72	8	5	ND	1	83	.3	2	2	84	1.00	.073	7	21	1.62	119	.17	3	2.72	.01	.33	1	41
OKB 0281S	1	266	16	110	.1	16	19	1866	4.93	2	5	ND	2	42	.3	2	2	97	.43	.163	7	22	1.57	206	.22	3	2.64	.01	.23	1	19
OKB 0282S	2	2104	3	70	.2	30	27	1273	6.47	11	5	ND	3	32	.5	2	2	156	.34	.121	10	55	2.69	232	.35	2	3.83	.01	.70	1	91
OKB 0283S	6	1674	4	52	.3	22	27	984	5.90	10	5	ND	1	101	.5	2	2	151	.97	.098	7	25	2.43	111	.22	4	3.43	.01	.55	1	80
OKB 0284S	7	1209	10	67	.3	27	31	1227	6.97	2	5	ND	1	48	.6	2	2	176	.65	.188	6	38	2.90	217	.25	2	3.84	.01	.86	1	35
OKB 0285S	5	318	5	65	.2	33	20	1043	6.82	2	5	ND	1	34	.2	2	2	165	.42	.122	4	64	2.13	161	.30	2	3.11	.01	.54	1	10
OKB 0286S	2	64	18	113	.1	21	25	3017	5.45	2	5	ND	1	25	.2	2	2	79	.18	.097	4	35	1.48	76	.17	2	2.13	.01	.25	1	19
OKB 0287S	1	90	5	137	.1	27	20	2123	6.04	7	5	ND	1	36	.2	2	2	135	.49	.102	4	39	2.82	202	.27	2	3.99	.01	.43	1	6
OKB 0288S	1	52	18	151	.2	18	22	1782	4.64	8	5	ND	1	26	.5	2	2	82	.31	.133	6	22	1.17	151	.16	3	2.81	.01	.13	1	22
OKB 0289S	1	66	10	127	.3	18	21	2277	4.53	2	5	ND	1	34	.2	2	2	73	.41	.159	6	31	1.24	166	.14	3	2.28	.01	.12	1	3
OKB 0290S	1	70	9	123	.1	15	16	1283	3.96	2	5	ND	1	36	.2	2	2	59	.50	.148	8	23	.81	134	.13	3	2.02	.01	.10	1	10
STANDARD C/AU-S	19	62	39	133	7.0	73	31	1049	3.97	39	24	7	40	53	18.4	15	22	61	.59	.094	41	60	.90	187	.09	36	1.90	.06	.13	13	52

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Noramco Exploration Inc. PROJECT 2012(KENA) File # 90-3908 Page 1

900 - 999 W. Hasting St., Vancouver BC V6C 2W2 Submitted by: B. LEWIS

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
OKB 0291 S	1	124	11	109	.5	18	34	1657	4.75	2	5	ND	2	33	.4	2	2	69	.37	.123	7	25	1.30	114	.18	2	2.97	.01	.16	1	760
OKB 0292 S	1	37	12	88	.6	13	11	583	4.16	2	5	ND	2	23	.2	2	3	73	.14	.103	5	22	1.09	65	.21	2	2.78	.01	.08	2	7
OKB 0293 S	2	44	35	46	.6	6	3	328	3.63	9	5	ND	2	11	.8	2	2	52	.08	.102	6	15	.27	41	.22	3	2.90	.01	.06	1	2
OKB 0294 S	1	52	12	55	1.2	9	8	656	3.75	6	5	ND	1	12	.4	2	3	51	.06	.173	5	15	.39	75	.18	2	2.37	.01	.07	1	6
OKB 0295 S	2	37	16	63	.6	7	5	295	3.35	2	5	ND	1	12	.2	2	2	52	.08	.058	5	13	.34	55	.18	3	1.47	.01	.06	1	4
OKB 0296 S	5	302	14	60	.7	6	8	504	5.20	3	5	ND	1	24	.8	2	3	58	.26	.099	13	16	.39	84	.09	2	3.10	.01	.10	2	83
OKB 0297 S	6	597	14	65	.5	12	12	600	3.93	2	5	ND	3	28	.2	2	2	64	.30	.136	10	23	.93	80	.14	2	2.21	.01	.22	1	89
C 0298 S	10	1377	10	56	.5	14	19	671	4.30	2	5	ND	3	35	.4	2	2	86	.41	.108	11	29	1.25	73	.15	2	2.25	.01	.30	1	113
C 0299 S	56	3282	2	29	1.0	23	30	694	9.22	2	5	ND	2	40	.8	2	2	224	.47	.190	12	68	2.45	65	.25	2	2.81	.01	.67	1	430
OKB 0300 S	7	464	14	74	.6	9	13	763	4.30	5	5	ND	1	49	.5	2	2	84	.51	.096	7	13	.95	105	.15	2	1.63	.01	.22	1	28
OKB 0301 S	7	319	10	35	.6	5	10	317	4.81	2	5	ND	1	17	.2	2	2	87	.12	.228	8	9	.95	36	.13	2	1.75	.01	.27	1	93
OKB 0302 S	7	561	18	77	.7	11	20	1540	5.73	2	5	ND	1	44	.6	2	2	91	.49	.139	10	17	1.28	94	.11	2	2.14	.01	.31	2	380
OKB 0303 S	6	518	9	104	.7	16	24	1442	3.93	4	5	ND	1	75	.6	2	2	57	.85	.117	10	20	.84	99	.08	3	1.95	.01	.12	1	39
OKB 0304 S	7	249	9	59	.6	10	12	586	5.04	2	5	ND	2	26	.2	2	2	79	.16	.137	7	20	.88	89	.16	2	2.00	.01	.11	1	31
OKB 0305 S	3	102	17	72	.4	10	9	478	4.88	9	5	ND	2	16	.2	2	2	67	.10	.164	7	20	.79	52	.19	2	2.32	.01	.10	1	31
OKB 0306 S	1	51	16	57	.5	11	7	313	4.17	3	5	ND	2	18	.2	2	4	64	.16	.161	8	22	.47	49	.16	2	1.60	.01	.10	1	20
OKB 0307 S	1	48	14	60	.3	9	8	373	5.41	2	5	ND	2	18	.2	2	3	69	.09	.261	8	19	.56	41	.14	2	1.91	.01	.12	1	43
OKB 0308 S	1	87	18	99	.3	12	20	2555	5.68	3	5	ND	1	27	.9	2	2	61	.30	.153	9	14	.75	201	.10	2	1.62	.01	.16	1	111
OKB 0309 S	2	60	11	62	.3	12	14	646	6.75	2	5	ND	3	15	.2	2	5	86	.08	.139	9	22	1.04	65	.21	2	2.62	.01	.15	1	76
OKB 0310 S	1	69	13	69	.2	13	13	1079	5.04	2	5	ND	2	35	.3	2	2	74	.33	.061	8	21	1.01	104	.20	2	2.26	.01	.10	1	113
OKB 0311 S	1	27	15	107	.1	10	12	2692	4.57	7	5	ND	1	25	.4	2	4	62	.22	.099	7	16	.81	200	.14	2	1.51	.01	.12	1	107
OKB 0312 S	1	38	10	86	.1	13	9	382	4.12	7	5	ND	3	17	.3	2	2	63	.16	.091	7	22	.79	59	.17	2	3.35	.01	.07	1	30
OKB 0313 S	1	74	16	124	.1	23	25	1173	5.41	2	5	ND	1	48	.5	2	3	117	.59	.070	4	45	2.32	172	.23	2	2.88	.01	.34	1	4
OKB 0314 S	1	40	16	82	.2	12	11	465	3.90	6	5	ND	2	17	.4	2	2	62	.11	.054	10	18	.80	62	.17	2	2.19	.01	.08	1	9
OKB 0315 S	1	77	14	137	.3	17	25	4467	5.53	2	5	ND	2	37	.5	2	2	124	.46	.084	4	31	2.09	214	.25	2	2.76	.01	.33	1	8
C 0316 S	1	85	37	158	.4	28	25	3651	5.82	3	5	ND	1	49	1.1	3	2	104	.67	.123	5	53	2.35	196	.12	2	2.91	.01	.27	1	35
C 0317 S	1	53	46	106	.4	11	21	4120	4.67	6	5	ND	1	36	1.0	2	2	52	.40	.124	5	15	1.19	159	.10	2	2.03	.01	.24	1	870
OKB 0318 S	1	46	19	69	.4	11	16	924	4.84	14	5	ND	2	11	.2	2	2	59	.10	.093	7	16	.58	76	.16	2	2.35	.01	.06	1	137
OKB 0319 S	1	59	16	72	.1	11	23	1872	5.64	6	5	ND	2	43	.5	2	3	57	.46	.150	9	12	1.13	178	.14	2	2.17	.01	.20	2	270
OKB 0320 S	1	85	12	81	.3	13	14	780	4.93	6	5	ND	2	18	.2	2	2	67	.13	.116	9	22	1.02	65	.17	2	2.57	.01	.13	1	75
OKB 0321 S	1	26	10	76	.1	16	22	1423	5.57	2	5	ND	2	17	.2	2	2	73	.19	.140	9	27	1.19	99	.17	2	1.84	.01	.11	1	74
OKB 0322 S	1	45	11	70	.2	11	8	328	4.63	5	5	ND	3	20	.2	2	2	70	.16	.075	8	20	.73	61	.19	2	2.02	.01	.09	1	22
OKB 0323 S	1	75	18	76	.2	15	21	2839	4.20	3	5	ND	1	19	.6	2	2	62	.20	.124	8	24	.71	121	.08	2	1.48	.01	.11	2	270
OKB 0324 S	2	288	10	68	.1	12	31	1247	3.50	5	5	ND	1	46	.2	2	2	52	.45	.070	15	19	.76	55	.10	2	1.86	.01	.08	1	22
OKB 0325 S	9	760	10	55	.8	8	17	499	6.52	8	5	ND	2	20	.4	2	2	77	.26	.283	11	14	1.07	48	.13	2	2.14	.01	.18	1	118
OKB 0326 S	5	378	18	57	.4	7	14	864	5.12	3	5	ND	2	22	.4	3	2	79	.25	.146	12	13	.81	54	.13	2	1.50	.01	.13	1	74
STANDARD C/AU-S	18	61	37	130	7.0	72	31	1047	3.98	39	19	7	39	55	18.9	17	19	58	.51	.096	39	61	.89	182	.09	35	1.89	.06	.13	11	52

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1-5 SOIL P6 ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: AUG 28 1990 DATE REPORT MAILED: Sept 1/90 SIGNED BY. ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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
OKB 0327 S	2	52	22	62	1.3	7	6	573	4.13	14	5	ND	4	11	.5	2	3	65	.09	.132	6	14	.44	57	.20	3	2.27	.01	.06	3	16
OKB 0328 S	3	229	11	48	.8	7	4	235	3.66	6	5	ND	3	9	.8	2	2	50	.08	.125	5	14	.35	45	.16	5	4.66	.01	.04	6	13
OKB 0329 S	4	101	14	55	.8	7	5	268	4.21	5	5	ND	4	13	.2	2	2	60	.09	.080	6	18	.46	50	.18	3	3.19	.01	.05	6	35
OKB 0330 S	3	259	13	57	1.4	10	9	590	5.20	4	5	ND	2	17	.3	3	7	100	.12	.165	6	19	.78	75	.21	3	2.05	.01	.10	3	54
OKB 0331 S	3	222	10	54	.7	9	7	487	3.94	2	7	ND	4	18	.2	2	4	76	.16	.150	6	19	.72	50	.16	2	2.18	.01	.08	4	51
OKB 0332 S	6	189	20	56	.9	7	5	434	3.88	8	5	ND	2	25	.7	3	2	74	.45	.170	5	13	.45	77	.17	3	1.15	.01	.10	1	88
OKB 0333 S	7	616	9	50	.5	9	15	738	4.11	4	5	ND	1	35	.2	2	2	90	.42	.106	6	13	.96	68	.15	4	1.74	.01	.15	1	98
OKB 0334 S	11	3285	8	120	.5	35	109	1418	4.75	6	5	ND	4	39	.4	2	2	79	.42	.116	19	41	1.22	137	.17	3	2.69	.01	.31	1	96
OKB 0335 S	5	162	16	69	.8	10	9	379	4.00	10	5	ND	3	14	.2	4	2	63	.10	.133	8	17	.60	66	.16	4	2.06	.01	.08	1	28
OKB 0336 S	1	207	11	95	.6	13	12	493	4.00	6	5	ND	4	16	.3	2	2	62	.19	.120	11	19	.86	82	.19	2	3.19	.01	.09	1	71
0337 S	2	123	27	103	.2	12	12	773	4.20	14	5	ND	4	26	.5	5	2	68	.37	.174	7	16	.82	119	.17	4	1.83	.01	.14	2	102
OKB 0338 S	1	115	13	74	.8	11	8	264	4.24	5	5	ND	5	17	.4	2	2	62	.14	.076	8	18	.69	68	.17	3	2.53	.01	.07	1	59
OKB 0339 S	2	99	10	54	.4	12	9	243	4.50	2	5	ND	3	26	.4	2	2	73	.21	.047	8	18	.73	52	.20	3	2.16	.01	.08	1	62
OKB 0340 S	1	53	9	84	.6	16	16	540	6.14	2	5	ND	3	21	.6	2	2	102	.19	.224	4	26	1.22	96	.20	2	3.29	.01	.10	1	37
OKB 0341 S	1	38	16	52	.4	9	7	361	3.27	3	5	ND	4	14	.4	2	2	50	.09	.091	8	15	.44	64	.17	2	2.39	.01	.06	1	74
OKB 0342 S	1	81	14	82	.2	14	11	384	4.57	8	5	ND	4	20	.2	4	2	70	.13	.105	9	22	.76	68	.21	6	2.68	.01	.10	2	390
OKB 0343 S	2	81	20	93	.3	16	18	966	5.66	6	5	ND	2	23	.6	2	2	93	.29	.146	4	31	1.36	81	.19	2	2.54	.01	.16	1	136
OKB 0344 S	1	93	30	121	.3	21	31	2620	6.27	7	5	ND	2	37	.6	2	2	109	.47	.131	4	41	1.70	138	.18	4	3.08	.01	.37	5	220
OKB 0345 S	1	137	17	102	.3	16	25	1897	4.78	6	5	ND	1	33	.5	2	2	76	.35	.102	12	26	1.15	75	.12	2	2.86	.01	.14	1	149
OKB 0346 S	1	94	18	131	.2	17	30	1626	6.34	5	5	ND	4	31	.4	2	2	109	.19	.084	5	25	1.53	105	.22	2	2.99	.01	.19	1	84
OKB 0347 S	1	123	15	141	.3	19	34	1380	7.43	9	5	ND	4	23	.5	2	2	115	.16	.162	5	27	1.62	84	.24	2	3.26	.01	.20	1	66
OKB 0348 S	1	87	16	146	.4	17	27	2357	6.22	3	5	ND	3	19	.4	2	2	87	.17	.212	7	19	1.07	151	.17	2	2.91	.01	.10	1	11
OKB 0349 S	1	196	44	134	.5	15	19	1887	3.97	7	5	ND	1	74	1.3	3	2	58	1.09	.153	9	20	.95	103	.07	3	2.42	.01	.14	1	150
OKB 0350 S	1	185	20	109	.5	16	21	1430	4.72	3	5	ND	2	47	.6	3	2	67	.54	.095	9	21	1.03	115	.14	2	2.53	.01	.23	3	104
OKB 0351 S	2	338	24	73	.7	16	25	1255	5.09	7	5	ND	1	62	.7	3	2	70	.76	.122	12	20	1.07	93	.12	4	2.26	.01	.28	2	250
OKB 0352 S	1	374	13	80	.7	20	24	1247	6.09	6	5	ND	4	26	.3	2	2	96	.28	.127	5	29	1.32	122	.21	3	2.74	.01	.24	1	165
OKB 0353 S	1	202	13	81	.2	15	20	784	6.96	5	5	ND	3	26	.3	2	2	80	.26	.149	7	19	1.27	117	.23	2	3.02	.01	.38	1	154
OKB 0354 S	1	90	17	87	.4	16	13	669	5.72	8	5	ND	4	20	.4	2	2	69	.16	.144	7	22	1.03	107	.21	2	2.36	.01	.22	1	133
0355 S	1	87	21	97	.4	15	14	687	5.16	4	5	ND	4	16	.3	2	2	66	.12	.173	8	21	.92	89	.20	3	3.50	.01	.14	2	260
0356 S	1	66	22	99	.6	13	12	998	4.05	6	5	ND	4	14	.3	2	4	63	.10	.173	7	19	.77	79	.19	2	3.46	.01	.08	1	48
OKB 0357 S	1	51	16	64	.6	12	9	497	4.76	7	5	ND	4	13	.2	4	2	76	.08	.189	6	21	.77	65	.21	3	2.52	.01	.07	1	45
OKB 0358 S	1	108	13	74	.6	12	10	386	4.13	6	5	ND	3	13	.2	2	2	59	.09	.121	6	17	.62	61	.18	2	3.10	.01	.07	1	49
OKB 0359 S	1	107	33	75	.2	9	11	1340	5.17	13	5	ND	1	9	.5	5	2	61	.12	.097	11	14	.68	64	.11	5	1.78	.01	.13	1	170
OKB 0360 S	9	228	18	58	.4	11	11	286	5.36	7	5	ND	4	15	.2	2	2	73	.12	.093	10	17	.88	60	.20	3	2.84	.01	.10	1	94
OKB 0361 S	9	328	20	208	.1	19	15	1590	6.20	15	5	ND	5	23	.4	2	2	99	.23	.200	9	31	1.17	110	.20	3	2.65	.01	.16	1	40
OKB 0362 S	1	55	16	65	.6	9	5	278	3.80	6	5	ND	3	9	.2	2	2	56	.06	.126	5	16	.42	58	.21	4	3.38	.01	.06	1	37
STANDARD C/AU-S	18	58	36	131	6.7	71	32	1045	3.95	37	20	7	39	53	18.9	18	21	57	.51	.090	37	56	.92	181	.09	34	1.88	.06	.12	12	54

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
OKB 0363 S	1	34	12	36	1.0	6	3	276	2.49	2	5	ND	3	8	.3	2	2	40	.08	.178	4	9	.22	37	.18	2	2.24	.01	.05	1	8
OKB 0364 S	1	112	14	61	1.0	9	7	415	4.06	5	5	ND	4	12	.2	4	3	72	.10	.077	7	14	.58	59	.21	6	2.16	.01	.08	1	40
OKB 0365 S	1	434	10	54	.4	9	14	605	6.17	4	5	ND	3	18	.4	4	2	132	.21	.166	8	9	1.23	74	.28	6	2.40	.01	.30	1	62
OKB 0366 S	1	391	5	68	.8	10	9	359	4.11	3	6	ND	4	17	.2	2	2	80	.12	.112	6	17	.78	56	.22	3	3.43	.01	.08	1	46
OKB 0367 S	1	354	17	35	.6	6	9	323	3.21	7	5	ND	1	17	.4	4	2	78	.13	.067	10	8	.38	58	.09	3	.98	.01	.11	1	87
OKB 0368 S	1	441	14	60	.6	11	9	525	3.82	4	5	ND	4	17	.4	3	2	68	.14	.077	6	18	.74	62	.17	3	2.65	.01	.09	1	43
OKB 0369 S	1	107	11	46	.4	8	5	215	3.98	12	5	ND	2	13	.2	4	3	68	.09	.095	5	16	.42	57	.17	2	2.28	.01	.05	2	17
OKB 0370 S	2	1801	13	72	.5	12	17	596	4.39	2	5	ND	2	31	.6	2	2	87	.49	.082	10	13	.89	126	.19	2	2.31	.01	.11	1	19
OKB 0371 S	1	68	9	40	.3	6	4	727	3.30	6	5	ND	2	37	.2	4	2	53	.35	.137	3	8	.83	68	.18	2	1.64	.01	.21	2	16
OKB 0372 S	4	1240	14	52	.9	11	14	625	5.56	6	6	ND	3	13	.2	2	2	72	.14	.184	10	15	.46	51	.09	2	2.71	.01	.11	1	124
OKB 0373 S	3	345	25	52	.6	9	10	401	4.54	3	5	ND	2	11	.2	4	2	107	.11	.077	8	11	.65	50	.19	2	1.67	.01	.12	1	65
OKB 0374 S	1	674	18	57	.8	11	9	531	4.54	5	5	ND	4	19	.3	5	2	94	.20	.124	8	15	.77	67	.20	2	2.35	.01	.11	1	156
OKB 0375 S	1	342	8	58	.4	9	9	381	4.22	2	5	ND	3	13	.2	2	2	76	.11	.068	8	12	.91	58	.24	2	2.51	.01	.14	1	68
OKB 0376 S	1	549	37	90	.5	10	11	2441	4.71	19	6	ND	1	11	.8	5	2	100	.09	.094	8	12	.72	103	.14	4	1.81	.01	.13	1	174
OKB 0377 S	2	709	9	64	.8	17	12	386	4.68	2	5	ND	4	17	.2	2	2	95	.16	.100	8	33	1.00	73	.25	4	3.01	.01	.16	1	70
OKB 0378 S	5	491	11	68	.8	11	8	248	3.84	2	6	ND	5	13	.4	2	2	65	.11	.133	6	18	.73	60	.20	5	3.80	.01	.08	1	43
OKB 0379 S	7	463	8	62	.8	12	12	331	5.13	4	5	ND	4	22	.3	2	2	106	.17	.124	4	17	1.10	51	.24	3	2.96	.01	.13	1	39
OKB 0380 S	9	316	7	77	.7	11	11	519	4.35	2	5	ND	1	18	.2	2	2	76	.15	.130	5	15	.86	59	.20	2	2.69	.01	.10	1	17
OKB 0381 S	13	372	13	71	.5	14	18	539	5.39	3	6	ND	4	21	.4	2	2	77	.13	.159	10	19	1.09	80	.23	2	3.26	.01	.25	1	39
OKB 0382 S	1	150	12	58	.1	20	20	1010	5.80	3	5	ND	2	28	.3	2	2	93	.31	.125	8	35	1.38	116	.24	3	2.43	.01	.25	1	74
OKB 0383 S	1	118	6	64	.2	14	17	642	5.80	2	5	ND	2	19	.3	2	2	93	.27	.153	7	29	1.32	83	.24	2	2.76	.01	.23	1	21
OKB 0384 S	1	47	17	79	.1	9	8	1683	3.04	6	5	ND	3	13	.8	2	2	45	.11	.188	3	14	.40	86	.19	3	3.67	.02	.06	3	11
OKB 0385 S	1	94	5	78	.1	17	20	541	5.05	2	5	ND	3	21	.2	2	2	68	.18	.122	7	18	.93	70	.20	4	2.65	.01	.10	1	19
OKB 0386 S	1	65	10	84	.1	9	10	810	5.27	2	5	ND	2	18	.2	2	2	68	.17	.127	9	12	.87	78	.18	2	2.17	.01	.21	1	37
OKB 0387 S	1	121	13	71	.1	17	17	803	5.03	3	5	ND	4	23	.2	2	2	68	.23	.123	8	27	.98	70	.18	2	2.47	.01	.15	1	27
OKB 0388 S	1	175	7	64	.2	21	20	982	6.89	3	5	ND	2	21	.3	2	2	117	.31	.126	3	58	1.67	96	.23	2	3.24	.01	.43	1	39
OKB 0389 S	1	395	2	71	.7	15	15	623	5.49	2	5	ND	1	22	.2	2	2	101	.31	.147	5	29	1.32	91	.22	4	2.94	.01	.22	1	54
OKB 0390 S	1	109	24	134	.1	13	16	2345	4.46	5	5	ND	1	39	1.0	2	2	64	.43	.099	6	18	.97	209	.18	2	2.11	.01	.22	1	84
0391 S	1	569	12	96	.2	18	19	1031	5.55	2	5	ND	2	43	.4	2	2	81	.48	.070	6	22	1.14	137	.19	2	2.91	.01	.16	1	123
0392 S	1	746	8	70	.6	14	21	1367	5.81	6	5	ND	2	28	.2	2	2	78	.49	.129	7	19	1.22	118	.22	2	2.49	.01	.46	1	154
OKB 0393 S	2	250	13	111	.1	19	23	3280	5.66	3	5	ND	1	37	.5	2	2	72	.48	.113	6	25	1.00	196	.19	2	2.20	.01	.33	1	260
OKB 0394 S	4	2366	7	65	1.1	20	24	1157	8.01	5	5	ND	2	30	.6	2	2	98	.47	.195	6	30	1.49	81	.24	2	3.33	.01	.39	1	680
OKB 0395 S	1	714	11	88	.4	25	33	1876	7.21	2	5	ND	1	41	1.1	2	2	99	.42	.116	5	47	1.51	162	.21	3	3.01	.01	.36	1	330
OKB 0396 S	1	845	25	98	.2	21	26	2233	5.55	6	5	ND	1	52	1.0	2	2	85	.54	.106	9	35	1.23	164	.18	3	2.93	.01	.26	2	78
OKB 0397 S	1	414	16	78	.3	16	21	1412	4.62	4	5	ND	1	63	.3	2	2	67	.76	.103	9	20	.97	88	.12	2	2.38	.01	.12	2	15
OKB 0398 S	1	208	45	141	.1	15	17	3783	4.20	7	5	ND	1	70	1.3	2	5	53	.89	.143	4	18	.80	328	.14	3	1.96	.01	.20	3	48
STANDARD C/AU-S	18	61	39	131	6.6	71	31	1053	3.97	39	18	7	38	55	19.5	19	20	60	.50	.092	36	57	.90	182	.09	36	1.90	.06	.12	12	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
OKB 0399 S	1	187	40	82	.5	11	23	3155	5.29	23	5	ND	1	59	1.0	2	3	53	.79	.160	12	14	.99	209	.11	4	2.07	.01	.39	1	310
OKB 0400 S	1	112	93	258	.6	12	17	9335	5.14	13	9	ND	2	49	2.5	3	2	76	.70	.175	11	12	1.12	653	.12	3	2.30	.01	.35	1	61
OKB 0401 S	1	82	15	94	.2	12	16	1821	4.19	7	5	ND	2	40	.2	2	2	63	.33	.112	7	16	.91	225	.18	4	1.74	.01	.17	1	31
OKB 0402 S	1	81	20	100	.4	13	16	1347	4.85	12	5	ND	2	32	.2	2	2	73	.26	.104	7	16	1.06	103	.22	2	2.27	.01	.14	1	30
OKB 0403 S	1	145	14	99	.2	14	20	967	5.10	12	5	ND	4	17	.2	2	2	75	.17	.234	8	22	1.14	74	.21	2	3.40	.01	.14	1	39
OKB 0404 S	1	220	23	80	.8	12	20	806	5.54	11	5	ND	2	14	.2	3	2	64	.15	.147	8	16	.80	65	.17	3	2.66	.01	.10	1	108
OKB 0405 S	1	83	14	93	.3	13	13	978	4.27	9	5	ND	2	16	.2	2	2	67	.16	.200	7	19	.81	83	.17	2	2.87	.01	.07	1	79
OKB 0406 S	2	164	16	52	.5	16	22	1455	6.98	16	5	ND	1	23	.3	3	2	109	.35	.129	7	33	1.95	139	.29	2	2.66	.01	.68	1	22
OKB 0407 S	5	459	13	81	.4	14	21	730	6.07	14	5	ND	2	22	.3	6	2	112	.20	.124	7	17	1.61	91	.25	2	2.70	.01	.23	1	74
OKB 0408 S	7	876	27	81	.8	14	24	922	6.67	9	5	ND	2	29	.2	2	2	140	.35	.137	6	16	1.88	162	.25	2	3.04	.01	.26	1	60
0409 S	5	1122	15	76	.6	16	19	660	6.13	10	6	ND	4	25	.4	4	2	127	.31	.136	9	20	1.76	119	.30	2	3.34	.01	.27	1	52
OKB 0410 S	2	858	11	69	.9	44	17	754	5.51	10	5	ND	2	20	.2	2	2	142	.30	.129	7	55	2.36	76	.31	2	3.15	.01	.20	1	59
OKB 0411 S	2	158	22	84	.5	14	9	444	4.99	14	5	ND	3	17	.2	2	2	83	.18	.187	7	21	.84	74	.24	4	2.98	.01	.10	1	17
OKB 0412 S	1	697	22	91	.4	15	19	1122	6.14	11	5	ND	4	19	.3	2	2	123	.22	.192	10	18	1.81	125	.28	2	3.16	.01	.36	1	42
OKB 0413 S	1	367	14	80	.4	11	21	1496	6.25	12	5	ND	3	28	.5	2	2	99	.40	.146	11	13	1.91	117	.27	4	2.90	.01	.34	1	32
OKB 0414 S	3	1155	16	76	.8	12	15	709	5.56	11	6	ND	4	23	.3	3	2	105	.28	.125	10	15	1.37	67	.21	3	2.80	.01	.20	1	62
OKB 0415 S	3	1078	21	71	.5	10	20	1147	6.06	14	5	ND	2	44	.4	3	4	115	.53	.146	12	9	1.50	124	.24	5	2.39	.01	.39	1	105
OKB 0416 S	4	955	19	97	.6	13	13	650	5.11	13	5	ND	3	19	.2	4	2	92	.20	.193	10	15	1.12	84	.23	4	2.58	.01	.13	1	67
OKB 0417 S	2	153	10	88	.4	18	24	2131	6.52	5	5	ND	2	28	.3	3	2	95	.31	.127	5	25	2.01	135	.26	3	3.03	.01	.40	1	15
OKB 0418 S	2	140	15	107	.6	18	26	1935	5.08	12	5	ND	1	40	.7	2	2	74	.46	.115	11	23	1.38	89	.15	3	3.49	.01	.15	1	17
OKB 0419 S	2	299	19	166	.6	22	26	2227	6.01	8	5	ND	3	44	.8	2	3	102	.57	.132	7	25	2.34	140	.19	2	3.72	.01	.80	1	84
OKB 0420 S	1	294	13	101	.6	22	34	1618	6.81	8	5	ND	3	41	.6	2	2	108	.45	.155	6	25	2.36	144	.26	2	4.02	.01	.75	2	156
OKB 0421 S	1	379	16	99	.5	18	34	2450	6.50	6	5	ND	2	93	1.2	2	2	107	.74	.118	6	12	2.87	256	.28	2	3.82	.01	1.16	1	58
OKB 0422 S	9	1125	14	60	.6	18	21	1158	7.11	10	5	ND	4	39	.5	2	2	118	.52	.134	13	21	2.24	133	.33	2	2.97	.01	.92	1	50
OKB 0423 S	9	1335	16	72	.6	20	23	1353	6.49	9	5	ND	3	40	.7	3	2	104	.47	.131	13	22	2.16	170	.31	2	3.33	.01	.84	1	55
OKB 0424 S	3	881	18	82	.6	17	27	2033	5.62	7	5	ND	2	42	.5	4	2	113	.42	.126	8	23	1.93	187	.23	2	2.91	.01	.58	1	66
OKB 0425 S	5	2969	10	61	1.3	15	26	1035	6.71	5	5	ND	3	42	.7	2	2	146	.70	.184	11	13	2.51	107	.27	4	3.41	.01	.85	1	260
OKB 0426 S	3	1389	13	82	.5	20	20	957	6.08	9	5	ND	2	29	.2	4	2	141	.32	.139	8	28	1.93	142	.30	5	3.28	.01	.25	1	51
0427 S	11	800	15	87	.7	68	19	728	6.61	6	5	ND	3	23	.4	3	2	155	.20	.134	8	83	2.64	111	.27	4	3.90	.01	.33	1	34
0428 S	30	327	13	66	.5	18	20	443	5.94	7	5	ND	3	13	.2	2	2	129	.13	.152	9	18	1.45	57	.18	4	2.23	.01	.08	1	13
OKB 0429 S	10	862	29	106	.8	20	34	652	7.23	13	5	ND	4	21	.3	2	2	79	.19	.280	9	34	1.33	83	.18	2	3.69	.01	.10	1	81
OKB 0430 S	4	407	21	190	.5	19	28	1308	6.36	13	5	ND	2	31	.7	3	2	98	.23	.152	7	23	1.66	154	.23	3	2.94	.01	.20	1	28
OKB 0431 S	3	185	12	92	.7	24	37	1408	7.48	10	5	ND	4	28	.5	3	4	97	.23	.224	9	31	1.75	160	.24	2	3.28	.01	.21	1	23
OKB 0432 S	3	156	12	80	.5	24	48	1724	8.37	11	5	ND	3	34	.5	2	2	85	.26	.212	10	30	1.51	126	.13	3	3.23	.01	.15	2	28
OKB 0433 S	3	71	36	117	.4	20	44	2183	7.03	13	5	ND	4	19	.6	2	2	60	.12	.162	10	22	.77	111	.16	3	2.76	.01	.11	1	31
OKB 0434 S	2	193	22	91	.4	22	33	1171	6.58	5	6	ND	3	27	.4	2	2	71	.21	.163	9	22	1.01	99	.20	2	2.82	.01	.14	1	26
STANDARD C/AU-S	18	58	39	131	6.7	69	31	1045	3.95	43	20	7	38	53	19.1	20	19	55	.51	.091	37	57	.91	180	.09	34	1.90	.06	.12	11	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
OKB 0435 S	1	67	9	80	.3	24	33	1824	5.75	2	5	ND	3	18	.6	2	2	53	.15	.159	11	21	.79	120	.17	2	3.41	.01	.09	1	47
OKB 0436 S	2	71	2	555	.2	24	29	1159	7.84	2	5	ND	1	30	1.7	2	2	137	.36	.089	2	30	1.70	159	.26	2	3.57	.01	.38	1	128
OKB 0437 S	2	135	9	70	.4	16	36	2370	7.58	4	5	ND	2	29	.7	2	2	101	.35	.103	7	17	1.25	228	.21	2	2.47	.01	.37	1	98
OKB 0438 S	1	152	2	77	.4	19	38	1982	7.12	5	6	ND	1	22	.3	2	2	92	.27	.114	7	27	1.09	157	.19	2	2.70	.01	.17	1	61
OKB 0439 S	1	281	2	83	.5	18	30	1006	7.15	2	5	ND	2	21	.2	2	2	95	.20	.140	7	17	1.17	132	.21	2	3.07	.01	.16	1	80
OKB 0440 S	1	214	6	101	.4	19	30	1991	6.23	2	5	ND	1	38	.4	2	2	116	.36	.076	2	16	1.57	192	.19	2	2.50	.01	.17	1	15
OKB 0441 S	1	274	12	142	.7	26	24	2100	4.56	5	5	ND	1	76	1.0	2	2	59	1.02	.120	16	31	1.02	151	.09	3	2.29	.01	.11	1	27
OKB 0442 S	1	61	10	92	.5	18	36	3064	4.95	4	5	ND	1	40	.7	2	2	81	.59	.123	3	19	1.13	273	.14	5	2.12	.01	.18	1	16
OKB 0443 S	1	106	2	81	.4	18	23	1158	5.79	4	5	ND	1	15	.2	2	2	96	.15	.114	2	24	1.32	111	.21	2	3.01	.01	.10	1	123
OKB 0444 S	1	963	11	94	.8	20	24	1511	4.81	7	5	ND	1	59	.5	2	2	65	.62	.102	11	25	1.00	141	.14	3	2.56	.01	.16	1	79
OKB 0445 S	1	211	6	98	.6	16	25	1665	5.61	4	5	ND	2	17	.3	2	2	76	.14	.129	6	22	.92	129	.16	2	2.66	.01	.10	1	159
OKB 0446 S	1	291	9	96	.5	18	35	1242	7.77	4	5	ND	2	18	.2	2	2	109	.19	.156	5	25	1.28	108	.23	2	2.95	.01	.21	1	103
OKB 0447 S	1	140	6	83	1.1	12	16	1172	6.25	4	5	5	1	25	.2	2	4	81	.15	.109	6	16	.95	135	.20	2	2.56	.01	.16	1	2570
OKB 0448 S	1	122	6	76	.4	12	14	647	4.67	3	5	ND	3	20	.2	2	2	65	.18	.130	5	17	.84	64	.16	2	2.37	.01	.12	1	170
OKB 0449 S	1	53	13	113	.5	13	12	1187	3.80	4	5	ND	1	19	.4	2	2	55	.21	.180	4	16	.65	92	.17	3	2.61	.01	.07	1	35
OKB 0450 S	2	103	7	63	.6	17	22	438	5.13	2	5	ND	2	41	.4	2	2	68	.37	.055	5	19	.82	80	.21	3	3.22	.01	.10	2	164
OKB 0451 S	1	65	17	139	.2	16	16	4505	4.52	3	5	ND	1	20	.7	2	2	62	.15	.094	8	20	.70	170	.15	2	1.79	.01	.10	1	80
OKB 0452 S	1	74	8	76	.3	16	18	569	5.53	5	5	ND	3	14	.2	2	2	68	.07	.158	7	20	.77	73	.17	3	3.10	.01	.08	1	34
OKB 0453 S	1	122	8	70	.4	13	21	586	6.11	4	5	ND	2	13	.3	2	2	70	.11	.135	8	16	.91	69	.16	2	2.46	.01	.10	1	49
OKB 0454 S	1	108	13	75	.5	16	20	728	5.34	4	5	ND	2	18	.4	2	2	73	.14	.118	6	22	.91	92	.18	2	2.81	.01	.09	1	16
OKB 0455 S	1	221	10	90	.4	18	18	794	5.97	6	5	ND	2	28	.4	2	2	97	.36	.201	6	28	1.41	113	.29	3	3.06	.01	.25	1	29
OKB 0456 S	2	210	8	96	.5	16	16	1837	4.43	3	5	ND	1	25	.2	2	2	62	.26	.098	6	22	1.10	145	.20	2	2.01	.01	.24	1	23
OKB 0457 S	4	807	2	65	.4	101	28	705	5.76	2	5	ND	2	19	.4	2	2	139	.22	.088	3	79	2.40	96	.24	2	3.98	.01	.26	1	23
OKB 0458 S	7	1888	10	77	.9	31	20	1018	5.18	2	5	ND	2	19	.2	2	2	113	.24	.104	6	26	1.53	91	.27	2	3.15	.01	.21	1	60
OKB 0459 S	2	2270	2	60	.4	14	23	865	6.30	2	5	ND	2	23	.2	2	2	152	.30	.137	7	18	1.68	99	.35	2	3.39	.01	.72	1	59
OKB 0460 S	1	401	11	77	.2	14	20	1592	4.34	3	5	ND	1	39	.4	2	2	84	.38	.122	5	18	1.22	153	.16	2	2.36	.01	.48	1	25
OKB 0461 S	1	427	30	100	.5	15	22	2891	4.46	5	5	ND	1	41	1.0	3	2	93	.52	.119	5	17	1.30	321	.17	2	2.54	.01	.37	1	8
OKB 0462 S	3	719	8	63	.3	16	21	1443	4.85	2	5	ND	2	34	.3	2	2	87	.44	.097	7	24	1.40	170	.25	2	2.39	.01	.68	1	55
0463 S	1	564	3	63	.5	14	13	442	4.93	3	5	ND	2	17	.2	2	2	80	.15	.081	7	19	1.20	61	.26	2	2.47	.01	.24	1	41
0464 S	1	571	2	58	.7	10	15	771	5.32	4	5	ND	2	18	.2	2	2	96	.30	.131	5	11	1.40	50	.25	2	2.45	.01	.23	1	37
OKB 0465 S	7	820	2	72	.4	11	21	956	5.57	4	5	ND	2	39	.2	2	2	97	.37	.059	4	11	1.55	66	.24	2	3.04	.01	.15	1	18
OKB 0466 S	3	346	8	73	.7	13	16	1649	4.95	2	5	ND	1	23	.3	2	2	71	.16	.109	5	14	1.22	95	.17	2	2.59	.01	.15	1	29
OKB 0467 S	1	84	6	96	.7	12	14	853	4.31	4	5	ND	2	20	.4	2	2	59	.12	.123	5	18	.82	95	.17	2	2.31	.01	.10	1	11
OKB 0469 L	4	808	8	141	.4	18	22	694	5.11	7	5	ND	2	43	.5	3	2	71	.58	.110	8	20	1.10	90	.14	2	1.97	.01	.27	2	84
STANDARD C/AU-S	18	58	35	131	6.8	69	32	1046	3.94	38	20	7	37	52	18.8	19	20	59	.52	.090	37	56	.89	181	.09	33	1.89	.06	.11	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
OKB 0503S	1	31	21	44	.7	7	6	292	3.47	11	5	ND	1	44	.2	2	2	47	.60	.040	15	11	.21	61	.23	3	1.53	.02	.04	1	30
OKB 0504S	1	24	19	122	.9	10	6	392	3.99	9	5	ND	1	36	.3	2	2	48	.44	.054	4	17	.37	185	.18	3	2.42	.02	.05	1	32
OKB 0505S	1	41	26	88	.6	12	10	768	3.02	10	5	ND	1	42	.6	3	2	40	.39	.047	7	20	.55	209	.11	2	1.47	.02	.08	1	190
OKB 0506S	1	33	26	59	.8	7	6	761	2.31	7	5	ND	1	58	.7	2	2	31	.84	.063	19	12	.31	82	.08	2	1.55	.02	.05	1	27
OKB 0507S	2	43	24	60	.6	9	6	371	2.99	11	5	ND	1	48	.6	2	2	37	.59	.068	7	13	.31	193	.10	2	1.06	.01	.05	1	75
OKB 0508S	2	25	14	56	.3	7	7	514	2.74	6	5	ND	1	22	.2	2	2	36	.22	.046	8	12	.32	80	.10	2	1.58	.01	.04	1	270
OKB 0509S	1	40	12	51	.7	11	9	659	3.05	9	5	ND	1	40	.5	2	2	31	.55	.057	13	15	.33	104	.09	2	1.74	.01	.05	1	83
OKB 0510S	1	42	26	84	.5	10	10	1674	2.59	5	5	ND	1	70	.8	2	2	28	.90	.120	19	13	.40	110	.05	3	1.65	.02	.05	1	27
OKB 0511S	1	44	23	80	.5	12	10	860	3.41	8	5	ND	1	55	.7	2	2	37	.52	.087	10	17	.46	101	.09	3	1.47	.02	.06	1	159
OKB 0512S	1	26	31	65	.3	10	9	479	3.82	9	5	ND	1	37	.2	3	2	48	.35	.045	6	17	.35	91	.14	3	1.22	.02	.04	1	52
OKB 0513S	2	31	18	64	.5	11	13	952	4.15	10	5	ND	1	41	.3	4	2	45	.37	.045	11	18	.45	94	.14	3	1.93	.02	.04	1	134
OKB 0514S	1	36	50	89	.5	10	8	2157	2.59	6	5	ND	1	72	1.2	3	2	33	1.13	.072	10	11	.32	260	.11	3	1.41	.02	.05	1	20
OKB 0515S	1	61	27	83	.8	13	11	2410	2.77	5	5	ND	1	32	1.3	3	2	35	.37	.083	19	16	.36	140	.10	2	2.42	.02	.05	1	24
OKB 0516S	1	40	23	86	.4	12	10	1352	3.12	5	5	ND	1	33	.5	2	2	37	.44	.079	13	16	.45	119	.11	2	2.17	.02	.07	1	68
OKB 0517S	2	21	19	64	.5	8	5	228	3.18	8	5	ND	2	19	.2	2	2	41	.20	.098	7	14	.32	78	.14	3	2.86	.01	.05	1	164
OKB 0518S	1	17	16	42	.5	5	5	244	2.79	2	5	ND	2	20	.2	2	2	39	.16	.102	6	10	.21	97	.12	2	1.12	.01	.04	1	123
OKB 0519S	1	17	8	31	.3	5	5	433	1.90	4	5	ND	1	25	.2	2	2	27	.20	.027	7	9	.21	76	.07	2	.80	.01	.04	1	113
OKB 0520S	1	25	12	47	.4	7	6	258	2.99	3	5	ND	1	62	.2	2	2	32	.91	.037	12	10	.30	126	.10	2	1.33	.01	.05	2	55
OKB 0521S	1	47	29	72	.6	10	9	2908	2.40	6	5	ND	1	68	.7	2	3	29	.77	.072	18	13	.29	223	.07	2	1.94	.02	.05	1	88
OKB 0522S	1	29	10	49	.1	8	9	684	2.72	4	5	ND	1	26	.2	2	2	32	.17	.055	11	12	.31	95	.11	2	1.11	.01	.06	1	76
OKB 0523S	2	47	33	147	1.2	12	11	1154	4.34	11	5	ND	1	42	.4	2	2	75	.41	.094	10	24	.74	191	.16	5	2.03	.02	.15	1	55
OKB 0524S	2	79	58	184	.6	15	22	3377	3.74	11	5	ND	1	47	1.1	3	2	66	.36	.152	10	26	.82	171	.12	3	2.19	.02	.13	1	42
OKB 0525S	3	66	19	121	1.1	15	12	670	4.46	15	5	ND	2	27	.4	4	2	77	.22	.072	8	36	.92	90	.15	3	3.11	.02	.12	1	780
OKB 0526S	2	49	22	85	1.0	10	13	1066	3.08	9	5	ND	1	57	.9	2	2	52	.56	.092	14	21	.71	95	.08	3	2.19	.01	.09	1	104
OKB 0527S	2	51	24	85	2.6	11	13	838	3.09	12	5	ND	1	33	.5	3	2	51	.35	.093	11	23	.74	79	.09	4	2.31	.02	.12	1	133
OKB 0528S	2	50	19	124	1.0	12	13	948	3.86	12	5	ND	1	31	.4	3	2	66	.30	.141	7	26	.80	87	.12	3	2.23	.02	.11	1	57
OKB 0529S	2	24	28	68	.6	8	6	311	3.11	8	5	ND	1	27	.2	2	2	59	.22	.092	6	16	.48	72	.14	3	1.14	.01	.08	1	59
OKB 0530S	2	35	25	133	.7	11	11	1712	3.33	10	5	ND	2	35	.2	2	2	52	.31	.109	6	20	.59	188	.13	3	1.59	.02	.11	1	67
OKB 0531S	2	39	18	88	.7	11	12	1331	3.48	9	5	ND	1	26	.2	2	2	54	.20	.051	11	20	.62	90	.14	3	2.22	.02	.08	1	47
OKB 0532S	3	41	16	86	.8	11	9	549	3.72	10	5	ND	2	23	.2	2	2	55	.15	.057	9	21	.59	89	.14	3	2.64	.02	.07	1	106
OKB 0533S	1	80	17	104	.7	10	10	472	4.34	8	5	ND	5	18	.2	2	2	65	.15	.110	7	20	.69	69	.18	3	3.27	.02	.06	1	37
OKB 0534S	3	137	14	84	1.1	11	16	958	5.44	9	5	ND	3	18	.2	2	2	79	.16	.250	7	19	.81	76	.17	3	2.36	.01	.08	1	34
OKB 0535S	2	96	14	95	.5	12	16	886	5.45	10	5	ND	2	27	.2	2	2	72	.24	.200	8	19	.84	98	.15	3	2.49	.02	.09	1	32
OKB 0536S	1	96	22	108	.4	13	22	1500	4.38	11	5	ND	1	56	.2	2	2	64	.93	.090	8	18	.83	118	.12	4	2.21	.02	.09	1	36
OKB 0537S	1	90	21	101	.4	14	19	1259	4.57	9	5	ND	2	23	.2	2	2	66	.25	.090	9	19	.87	104	.15	3	2.89	.02	.10	1	31
OKB 0538S	1	92	48	122	.3	15	31	2353	5.05	13	5	ND	1	40	1.0	4	2	83	.82	.112	4	18	1.12	155	.13	5	2.35	.01	.22	1	26
STANDARD C/AU-S	18	57	36	131	6.6	67	31	1049	3.96	36	20	7	38	53	17.8	15	22	55	.52	.091	36	56	.89	180	.09	34	1.89	.06	.14	13	51

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
OKB 0539S	1	207	16	105	.5	13	23	1745	5.03	12	5	ND	1	52	.5	5	2	79	.94	.129	11	21	.98	111	.10	4	2.49	.01	.16	1	25
OKB 0540S	1	150	18	112	.6	13	20	1431	4.14	10	5	ND	1	55	.5	4	2	58	1.02	.123	14	19	.92	98	.10	3	2.84	.02	.12	1	39
OKB 0541S	2	91	18	81	.6	11	12	613	5.38	10	5	ND	2	33	.2	6	2	75	.46	.140	8	20	.82	64	.16	4	2.14	.02	.11	1	55
OKB 0542S	3	157	17	99	.5	12	17	843	6.20	15	5	ND	3	26	.2	6	2	89	.24	.276	7	24	.98	130	.19	3	2.82	.02	.13	1	42
OKB 0543S	3	913	17	92	.6	13	29	1058	5.40	7	5	ND	1	59	.3	5	2	67	.86	.133	14	21	.98	87	.12	4	2.85	.02	.15	1	55
OKB 0544S	1	91	16	92	.8	11	10	475	4.76	12	5	ND	1	41	.2	5	2	71	.50	.064	6	19	.77	95	.20	2	2.27	.02	.07	1	22
OKB 0545S	3	408	9	66	.7	14	29	863	5.26	13	5	ND	1	57	.5	6	2	82	.77	.111	15	25	1.01	99	.15	4	2.42	.02	.24	1	148
OKB 0546S	2	116	12	92	.4	13	16	1024	5.83	11	5	ND	1	66	.2	7	2	81	.96	.161	7	21	.99	97	.12	4	2.33	.02	.21	1	55
OKB 0547S	2	103	15	74	.4	13	17	862	6.06	10	5	ND	1	24	.3	5	2	79	.22	.146	11	24	1.00	44	.13	3	2.67	.01	.20	1	85
OKB 0548S	1	95	16	94	.4	14	19	1549	4.75	14	5	ND	1	52	.7	6	2	67	.81	.102	11	22	.96	126	.11	5	2.48	.02	.12	1	68
OKB 0549S	1	80	19	110	.4	15	19	1386	4.67	11	5	ND	1	42	.2	3	2	65	.60	.082	11	22	.95	136	.14	3	2.30	.02	.11	1	57
OKB 0550S	2	123	35	88	.6	11	16	1887	3.18	10	5	ND	1	82	1.2	4	2	53	2.00	.162	15	17	.84	121	.06	5	2.44	.02	.10	1	20
OKB 0551S	1	169	15	117	.5	17	24	2021	4.80	9	5	ND	1	51	.7	6	2	91	.83	.138	9	26	1.15	115	.11	4	2.95	.02	.13	1	37
OKB 0552S	1	95	15	128	.5	19	29	1647	6.28	7	5	ND	1	38	.5	4	2	123	.44	.134	4	27	1.59	122	.24	2	3.13	.01	.26	1	43
OKB 0553S	3	88	14	92	.6	12	12	894	5.02	9	5	ND	1	28	.3	4	2	72	.34	.132	7	19	.84	85	.18	3	2.23	.01	.10	1	45
OKB 0554S	1	139	13	101	.4	14	18	1089	5.67	12	5	ND	1	72	.4	6	2	93	.88	.108	10	23	1.17	183	.19	2	2.74	.02	.23	1	33
OKB 0555S	4	191	11	98	.6	15	24	1165	6.61	12	5	ND	2	37	.3	6	2	78	.37	.098	14	21	1.01	73	.13	3	2.67	.01	.14	1	66
OKB 0556S	1	67	22	112	.3	12	23	1542	6.80	12	5	ND	1	45	.9	6	2	94	.48	.143	7	19	1.19	150	.17	3	2.53	.02	.30	1	48
OKB 0557S	1	105	15	109	.3	14	21	1289	5.32	14	5	ND	1	49	.4	5	2	83	.52	.068	11	22	1.14	119	.17	3	2.75	.02	.12	2	70
OKB 0558S	1	141	14	127	.5	17	21	1528	5.08	11	5	ND	1	67	.5	6	2	92	.97	.087	13	26	1.36	121	.15	3	3.21	.02	.10	1	55
OKB 0559S	1	93	7	149	.5	16	24	2289	5.14	12	5	ND	1	60	.8	6	2	95	.84	.108	12	25	1.34	109	.15	4	3.29	.02	.10	1	22
OKB 0560S	1	68	18	245	.3	17	35	1801	7.23	11	5	ND	1	40	.8	8	2	128	.56	.135	3	24	1.41	140	.24	2	2.97	.01	.21	1	14
OKB 0561S	1	53	16	157	.2	23	19	1084	6.26	13	5	ND	3	42	.6	6	2	149	.26	.068	5	48	1.73	44	.32	2	3.47	.01	.09	1	40
OKB 0562S	1	64	20	113	.4	14	8	1286	4.16	11	5	ND	2	25	.2	4	2	70	.19	.272	9	22	.90	122	.15	3	2.72	.02	.08	1	56
OKB 0563S	1	78	12	101	.4	14	15	714	5.84	11	5	ND	3	21	.2	7	3	82	.21	.146	10	23	1.08	74	.20	4	3.15	.01	.14	1	60
OKB 0564S	2	120	15	87	.4	12	18	660	5.50	9	5	ND	2	32	.3	5	2	72	.30	.090	16	19	.96	68	.19	3	3.06	.02	.13	1	120
OKB 0565S	1	134	15	76	.1	12	18	1396	6.01	16	5	ND	3	29	.4	6	2	77	.32	.094	15	17	1.04	98	.23	5	2.78	.02	.25	1	128
OKB 0566S	2	67	20	77	.3	11	19	1014	7.29	15	5	ND	3	21	.3	7	2	80	.22	.186	13	18	1.04	72	.16	3	2.34	.01	.16	1	132
OKB 0567S	2	141	13	89	.5	12	22	1788	5.27	13	5	ND	1	54	.5	4	2	62	.72	.125	18	17	.96	89	.11	3	2.77	.02	.19	1	140
OKB 0568S	3	124	12	79	.6	11	13	702	6.39	10	5	ND	2	32	.2	4	2	94	.25	.150	8	18	1.03	64	.20	3	2.72	.02	.12	1	51
OKB 0569S	3	176	16	96	.4	12	17	859	5.96	11	5	ND	4	16	.2	5	2	84	.18	.210	11	16	1.01	89	.21	4	3.27	.02	.20	5	84
OKB 0570S	3	266	18	96	.4	15	17	635	5.04	12	7	ND	4	24	.3	5	2	64	.24	.119	12	20	.85	74	.19	5	3.36	.02	.09	2	45
OKB 0571S	2	73	21	89	.6	13	15	867	5.25	13	5	ND	3	23	.4	5	2	71	.23	.147	13	20	.77	76	.20	5	2.97	.02	.09	1	78
OKB 0572S	2	61	16	92	.7	12	9	476	4.66	14	9	ND	5	16	.4	7	2	68	.11	.169	7	20	.68	71	.22	4	4.12	.02	.09	1	26
OKB 0573S	2	120	16	74	.5	14	12	795	5.22	14	5	ND	3	26	.5	5	3	97	.20	.115	8	25	1.09	79	.24	4	2.86	.02	.16	1	64
OKB 0574S	1	101	13	83	.3	15	14	882	6.06	9	5	ND	4	23	.2	5	2	92	.19	.103	6	22	1.15	86	.26	2	2.64	.02	.17	1	117
STANDARD C/AU-S	18	58	37	131	6.7	69	31	1047	3.97	38	19	7	39	53	18.8	15	21	55	.51	.091	36	56	.89	180	.09	34	1.89	.06	.14	12	53

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
OKB 0575S	1	48	12	117	.4	13	12	728	4.02	6	5	ND	4	26	.4	2	2	62	.18	.095	11	23	.95	75	.15	2	2.50	.02	.11	1	43
OKB 0576S	1	191	5	105	1.0	26	28	3333	7.11	2	5	ND	2	49	.9	2	2	145	.61	.125	9	68	2.90	91	.19	2	3.91	.01	.36	1	450
OKB 0577S	1	61	13	121	.3	19	21	2319	5.96	8	5	ND	2	28	1.0	2	2	108	.35	.128	9	26	2.05	111	.19	2	3.35	.01	.25	10	270
OKB 0578S	1	89	17	132	.3	18	24	1179	5.36	14	5	ND	4	39	.9	2	2	94	.23	.110	10	29	1.66	71	.20	3	3.20	.01	.16	1	49
OKB 0579S	1	125	22	135	.2	18	34	1603	7.78	25	5	ND	2	31	1.2	2	2	119	.23	.144	5	26	2.29	95	.25	2	3.35	.01	.27	1	11
OKB 0580S	1	178	45	367	.6	21	31	2060	7.47	31	5	ND	3	38	1.5	2	2	121	.26	.139	5	50	2.19	99	.20	2	3.09	.01	.15	1	860
OKB 0581S	1	63	19	148	.3	27	29	1762	6.49	12	5	ND	2	49	.9	2	2	120	.78	.127	6	76	2.29	138	.19	3	3.22	.01	.33	1	84
OKB 0582S	1	184	25	133	.5	23	25	3658	5.34	8	5	ND	2	85	1.2	2	2	104	.91	.150	9	52	1.97	170	.13	2	3.29	.01	.35	2	200
OKB 0583S	3	390	14	101	.5	21	27	2091	5.41	5	5	ND	2	58	.9	2	2	84	.70	.142	11	33	1.63	100	.13	2	3.03	.02	.28	1	92
OKB 0584S	3	232	37	105	.3	17	25	1567	5.16	14	5	ND	1	75	2.1	2	2	77	.80	.129	8	24	1.33	149	.14	2	2.48	.02	.24	1	107
OKB 0585S	5	356	17	76	.9	21	23	1135	4.65	9	5	ND	1	77	1.2	2	2	65	.76	.107	18	24	1.10	89	.13	2	3.09	.02	.14	1	94
OKB 0586S	1	64	16	103	.3	14	12	1226	4.74	14	5	ND	3	30	.5	2	4	64	.21	.156	10	22	.85	154	.18	2	2.37	.02	.11	1	50
OKB 0587S	1	52	11	93	.2	14	11	1123	5.97	2	5	ND	2	32	.4	2	2	89	.24	.144	9	29	1.24	121	.23	2	2.83	.02	.14	1	38
OKB 0588S	1	37	22	52	.1	7	8	827	4.35	4	5	ND	1	13	.7	2	2	56	.18	.089	12	8	1.18	73	.26	3	2.14	.02	.31	1	45
OKB 0589S	1	40	16	37	.3	6	4	176	3.22	8	5	ND	2	9	.6	2	2	44	.06	.176	10	11	.21	41	.19	2	4.31	.02	.04	1	11
OKB 0590S	2	62	13	78	.2	12	11	355	6.35	13	5	ND	3	18	.4	2	2	77	.14	.194	11	20	.87	63	.16	2	2.18	.02	.12	1	44
OKB 0591S	4	124	16	110	.2	11	19	1924	6.68	5	5	ND	2	31	.6	2	2	74	.27	.174	11	15	.95	159	.17	2	2.43	.02	.14	1	112
OKB 0592S	3	114	15	66	.5	11	9	357	5.34	4	5	ND	3	17	.4	2	2	78	.10	.150	9	23	.77	67	.21	2	2.83	.02	.09	1	33
OKB 0593S	1	98	13	100	.3	16	18	1219	5.73	3	5	ND	3	16	.5	2	2	71	.13	.201	13	21	1.01	108	.21	3	3.07	.02	.14	1	45
OKB 0594S	1	75	15	76	.2	23	28	2646	5.74	4	5	ND	3	47	.5	2	2	64	.51	.069	12	21	.86	161	.20	2	2.66	.02	.15	1	71
OKB 0595S	2	106	12	90	.5	24	32	953	6.92	2	5	ND	3	26	.5	2	3	92	.15	.124	8	30	1.32	90	.21	2	3.53	.01	.11	1	117
OKB 0596S	3	106	9	150	.4	16	35	1275	9.88	8	5	ND	2	32	1.0	2	2	119	.21	.158	6	18	1.84	112	.19	4	3.30	.02	.15	1	64
OKB 0597S	1	228	12	100	.3	16	21	1064	5.53	14	5	ND	3	18	.7	2	2	71	.14	.145	9	14	1.07	154	.24	4	4.00	.02	.21	1	410
OKB 0598S	2	111	33	107	.2	21	55	3398	8.92	7	5	ND	2	49	1.5	2	2	93	.49	.196	12	20	1.53	250	.18	2	2.93	.01	.33	1	300
OKB 0599S	1	178	13	92	.4	15	20	1134	5.96	4	5	ND	2	27	.5	2	2	89	.19	.100	8	20	1.20	92	.20	3	2.87	.01	.13	1	108
OKB 0600S	6	178	14	79	.1	20	43	1829	9.56	13	5	ND	3	22	.7	2	2	111	.26	.155	13	11	1.77	156	.18	2	2.85	.01	.25	1	290
OKB 0601S	1	173	11	109	.1	19	26	1785	6.26	8	5	ND	1	27	.4	2	2	89	.24	.133	7	23	1.40	143	.19	5	3.08	.01	.14	1	61
OKB 0602S	1	80	14	131	.5	13	17	1209	5.00	7	5	ND	2	28	.4	2	2	78	.22	.191	6	15	1.25	194	.21	2	2.86	.02	.15	1	34
OKB 0603S	2	111	8	106	.4	17	25	1381	5.75	10	5	ND	2	23	.4	2	2	91	.16	.218	6	23	1.29	140	.20	3	3.40	.02	.12	1	25
OKB 0604S	2	1345	15	92	1.7	19	26	1652	7.09	9	5	ND	2	35	.8	2	2	106	.47	.162	8	31	1.98	104	.19	2	3.31	.01	.20	1	360
OKB 0605S	2	948	29	107	.6	21	28	2130	6.20	10	5	ND	2	59	1.4	2	2	79	.52	.104	17	30	1.50	211	.20	2	3.10	.01	.39	1	290
OKB 0606S	2	712	10	88	.4	18	30	1402	6.29	9	5	ND	1	54	.5	2	2	87	.49	.067	13	21	1.31	157	.22	3	3.45	.02	.15	1	142
OKB 0607S	1	387	28	118	.3	17	26	2339	5.38	3	5	ND	1	65	.9	2	2	88	.77	.156	9	27	1.57	153	.14	4	3.04	.01	.40	1	62
OKB 0608S	2	222	15	83	.4	14	18	1286	4.45	12	5	ND	1	58	.6	2	2	60	.63	.104	15	19	.84	92	.14	5	3.57	.02	.13	1	54
OKB 0609S	2	263	15	120	.4	19	29	3980	6.21	3	5	ND	1	77	.6	2	2	82	.76	.164	7	21	1.37	247	.13	2	2.64	.02	.23	3	52
OKB 0610S	2	242	13	108	.3	24	32	2392	5.58	2	5	ND	1	67	.7	2	2	81	.66	.116	9	21	1.35	141	.20	3	2.77	.02	.16	1	21
STANDARD C/AU-S	18	57	36	131	6.9	71	32	1047	3.96	40	22	7	40	53	19.2	15	20	57	.52	.091	38	59	.89	182	.09	35	1.89	.06	.13	13	45

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
OKB 0611S	3	98	19	81	.5	19	27	990	5.63	5	5	ND	2	44	.2	3	2	83	.41	.129	4	24	1.06	88	.22	7	3.12	.02	.09	1	8
OKB 0612S	4	124	13	64	.5	13	22	706	6.82	7	5	ND	4	17	.4	3	3	100	.13	.185	10	28	1.09	75	.18	6	2.71	.01	.08	2	35
OKB 0613S	1	354	8	59	.5	11	22	1189	7.86	8	5	ND	2	44	.4	5	2	109	.52	.139	6	19	1.45	117	.26	4	3.22	.01	.58	4	77
OKB 0614S	1	179	10	88	.2	15	22	1043	7.03	6	5	ND	3	27	.6	5	2	98	.29	.133	9	27	1.28	107	.22	6	3.09	.01	.29	1	85
OKB 0615S	2	118	19	105	.2	13	19	3865	5.85	7	5	ND	2	37	.2	4	2	87	.38	.116	9	22	1.09	218	.19	9	2.52	.02	.24	1	27
OKB 0616S	1	196	15	96	.5	17	25	1262	6.65	9	5	ND	4	28	.3	7	2	106	.27	.134	8	26	1.32	114	.23	6	3.37	.01	.22	1	210
OKB 0617S	2	773	22	107	1.0	15	41	2073	7.35	11	5	ND	2	37	.2	4	2	107	.41	.131	8	20	1.27	141	.20	6	3.20	.02	.20	1	270
OKB 0618S	3	1097	40	107	1.2	17	25	2770	4.48	9	5	ND	1	122	1.3	3	2	62	1.56	.141	23	24	.96	177	.10	8	2.42	.02	.21	1	96
OKB 0619S	1	56	30	116	.1	10	16	3091	4.01	7	5	ND	1	54	.4	2	2	50	.68	.081	8	13	.43	263	.11	7	1.43	.02	.11	1	920
OKB 0620S	1	248	46	138	.3	19	25	4211	4.94	9	5	ND	1	47	1.0	3	2	69	.56	.096	6	36	1.06	270	.14	7	2.41	.02	.14	1	59
OKB 0621S	1	267	12	119	.7	19	21	1497	5.30	10	5	ND	2	46	.2	5	2	80	.60	.086	9	27	1.13	109	.19	7	3.20	.02	.14	1	180
OKB 0622S	2	399	19	107	.9	17	23	2003	4.97	10	5	ND	1	53	.4	4	2	75	.70	.166	10	25	1.13	152	.13	6	2.49	.01	.28	1	66
OKB 0623S	3	1097	27	89	1.0	17	27	1645	5.14	11	5	ND	1	60	.3	2	2	77	.77	.093	14	23	1.08	85	.16	7	2.90	.02	.20	1	74
OKB 0624S	1	231	27	99	.4	14	16	2002	5.85	10	5	ND	2	39	.5	5	2	92	.37	.097	7	20	1.14	175	.23	7	2.52	.01	.28	1	45
OKB 0625S	1	165	17	95	.3	16	13	950	5.35	12	5	ND	3	29	.2	3	2	81	.26	.110	9	21	1.07	106	.21	6	2.68	.02	.21	1	9
OKB 0626S	1	156	18	91	.3	15	15	890	5.65	12	5	ND	3	24	.2	5	2	71	.19	.143	10	20	.96	135	.22	7	2.95	.02	.21	1	29
OKB 0627S	1	62	12	99	.6	12	9	607	4.20	8	5	ND	3	14	.2	4	2	64	.10	.184	7	19	.63	67	.20	6	3.30	.02	.07	1	27
OKB 0628S	2	113	17	118	.3	19	19	1524	6.56	6	5	ND	2	21	.2	3	3	91	.16	.145	13	30	1.03	119	.18	7	2.59	.01	.13	1	14
OKB 0629S	3	87	23	94	.3	14	12	456	4.84	5	5	ND	4	15	.2	3	2	70	.10	.213	8	22	.80	63	.18	8	2.90	.01	.09	1	17
OKB 0630S	5	201	9	87	.3	13	12	446	5.06	5	5	ND	3	16	.2	4	2	68	.16	.176	9	16	.83	62	.19	7	3.18	.01	.14	1	990
OKB 0631S	5	190	33	100	.4	13	16	1101	5.85	11	5	ND	2	19	.2	5	2	80	.14	.177	9	22	.82	75	.19	8	2.36	.01	.11	1	55
OKB 0632S	5	128	19	87	.1	20	43	1594	4.98	10	5	ND	2	30	.2	4	2	79	.29	.126	16	32	1.13	86	.21	8	2.94	.02	.12	1	53
OKB 0633S	5	264	18	64	.3	9	21	1534	6.49	9	5	ND	1	29	.2	4	3	93	.48	.172	10	13	1.28	116	.25	5	2.48	.01	.59	1	25
STANDARD C/AU-S	18	57	40	131	6.6	69	31	1048	3.98	37	18	7	38	53	18.5	15	19	56	.52	.092	36	55	.89	181	.09	38	1.89	.06	.14	12	45

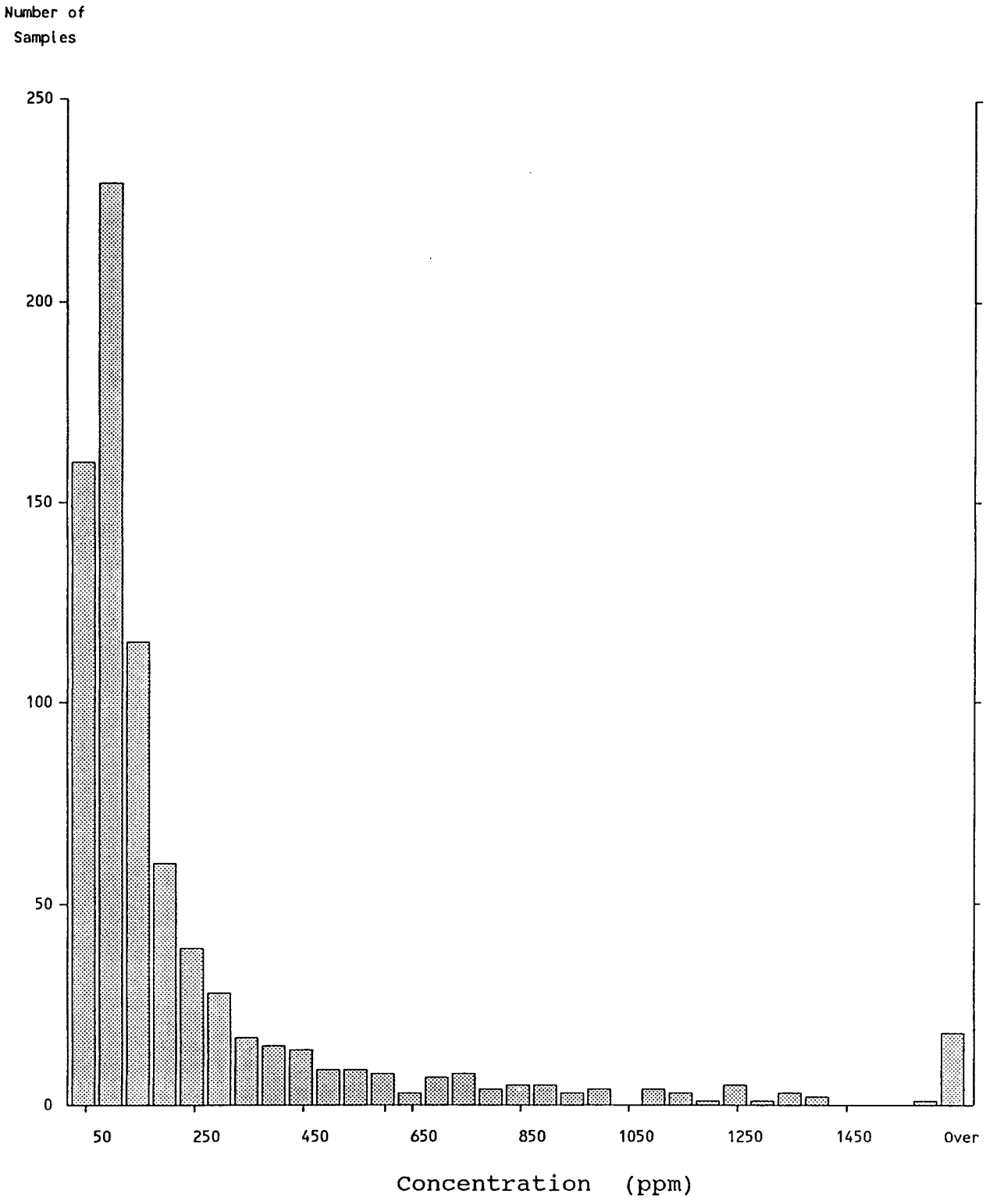
SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
OKB 0634S	3	47	16	63	.8	10	12	529	4.64	5	5	ND	1	13	.3	2	5	70	.11	.103	5	21	.69	63	.15	4	2.73	.01	.06	2	20
OKB 0635S	3	127	15	104	.7	20	21	405	4.22	9	5	ND	3	16	.3	2	2	60	.18	.108	6	21	.74	55	.11	2	3.85	.01	.06	1	20
OKB 0636S	3	216	9	83	1.0	16	38	1025	4.37	6	5	ND	2	17	.2	2	2	59	.11	.141	6	14	.60	77	.12	2	2.17	.01	.07	2	33
OKB 0637S	4	324	21	56	.6	9	13	663	4.45	6	5	ND	1	12	.2	2	3	58	.16	.137	4	8	.21	54	.10	2	1.02	.01	.05	2	172
OKB 0638S	1	1227	9	47	.3	5	16	856	4.87	3	5	ND	2	23	.7	2	2	115	.64	.252	11	4	1.54	63	.20	2	2.33	.01	.48	1	44
OKB 0640S	4	106	20	58	1.3	9	9	553	6.51	6	5	ND	2	25	.4	2	2	68	.13	.197	7	17	.58	112	.14	2	2.31	.01	.11	1	32
OKB 0641S	10	479	6	61	.6	8	14	511	6.44	6	5	ND	2	14	.6	2	2	148	.24	.148	7	12	1.37	67	.23	2	2.01	.01	.18	1	91
OKB 0642S	3	103	11	46	.5	6	7	761	3.18	2	5	ND	1	7	.2	2	2	54	.05	.088	5	8	.34	56	.11	4	1.40	.01	.04	1	30
OKB 0643S	2	47	15	87	.8	13	16	870	4.26	5	6	ND	1	23	.8	2	3	46	.22	.198	4	12	.42	76	.10	2	2.51	.01	.05	2	17
OKB 0644S	4	90	46	192	.7	21	31	2500	5.04	10	5	ND	1	22	1.7	3	3	58	.21	.080	5	26	.76	60	.09	2	1.74	.01	.06	1	14
OKB 0645S	2	68	15	152	.7	20	30	1749	4.81	7	5	ND	1	35	1.0	2	4	66	.44	.084	4	34	1.08	73	.11	4	2.20	.01	.05	1	11
OKB 0646S	2	87	22	150	.7	24	25	2223	3.83	6	5	ND	1	22	1.6	2	3	49	.24	.086	6	19	.67	66	.10	3	2.44	.01	.06	1	3
OKB 0647S	2	101	41	278	.7	21	35	3411	5.77	13	5	ND	1	16	1.7	2	2	50	.15	.199	7	17	.73	104	.06	2	1.93	.01	.07	1	27
OKB 0648S	1	128	16	250	.5	27	33	1805	5.75	11	5	ND	1	46	2.7	2	2	129	.68	.082	3	43	2.22	248	.20	2	3.15	.01	.52	1	5
OKT 0006S	10	545	13	99	.6	8	16	787	5.32	6	5	ND	2	14	.2	2	2	70	.14	.238	8	10	.82	92	.13	4	2.13	.01	.09	1	49
OKT 0007S	4	249	15	100	.4	10	13	508	4.94	4	5	ND	2	13	.2	2	2	70	.12	.180	6	12	.73	95	.16	2	2.36	.01	.09	1	185
OKT 0008S	6	165	14	99	.5	9	11	480	5.27	7	5	ND	2	28	.2	2	5	72	.10	.138	5	10	.77	128	.15	2	1.71	.01	.10	1	72
OKT 0009S	4	393	9	72	.7	18	20	580	4.60	4	5	ND	1	39	.6	2	6	55	.46	.057	6	10	.76	67	.11	2	2.09	.01	.11	1	32
OKT 0010S	6	307	14	54	.5	10	12	352	5.75	2	5	ND	1	22	.5	2	2	50	.08	.086	7	9	.44	59	.12	2	1.51	.01	.10	1	115
OKT 0011S	4	158	12	78	1.3	13	13	733	5.73	9	5	ND	2	31	.5	2	4	67	.24	.102	4	14	.98	79	.16	3	1.89	.01	.17	1	59
OKT 0012S	3	135	35	122	.8	18	40	2231	5.94	29	5	ND	1	36	1.3	2	4	57	.65	.127	4	13	1.11	65	.07	2	1.91	.01	.15	1	31
OKT 0013S	3	207	24	165	.7	20	44	3189	6.37	32	5	ND	1	20	2.1	2	2	57	.17	.142	7	18	1.09	73	.09	3	2.36	.01	.18	1	71
OKT 0014S	3	263	30	192	1.8	22	30	3440	6.02	13	5	ND	1	21	1.9	2	2	49	.26	.183	6	12	.69	128	.07	2	1.71	.01	.10	1	116
OKT 0015S	3	264	26	201	1.0	22	36	2730	4.82	12	5	ND	1	19	2.2	2	2	31	.19	.169	9	9	.48	110	.05	2	2.90	.01	.05	1	50
OKT 0016S	2	232	59	244	1.0	38	45	5675	6.25	19	5	ND	1	61	4.4	2	2	51	.87	.110	12	14	.75	182	.04	2	2.21	.01	.05	1	16
OKT 0017S	2	140	73	368	.6	16	37	2982	5.74	20	5	ND	1	48	5.9	2	2	58	.52	.122	8	11	.64	178	.07	2	1.75	.01	.13	1	10
STANDARD C/AU-S	19	59	42	130	6.9	72	31	1056	3.99	40	20	7	38	53	19.4	15	23	55	.53	.097	38	55	.91	181	.07	37	1.89	.06	.14	13	50

APPENDIX IV

GEOCHEMICAL HISTOGRAMS

NORAMCO - SOIL SAMPLES

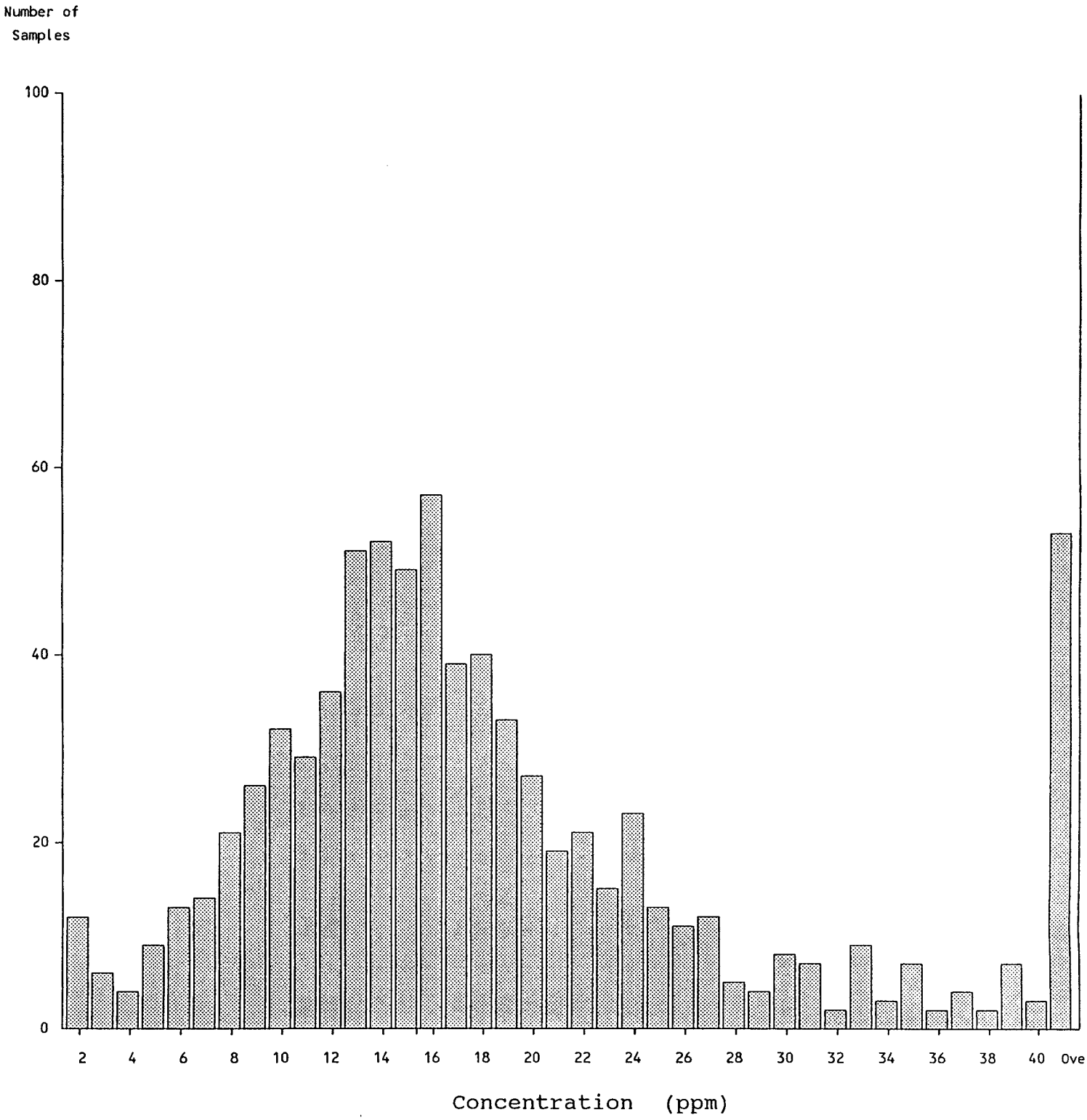
Cu



780 Samples	Maximum:	4977	Mean: 256
	Minimum:	17	Median: 101
			Standard Deviation: 492

NORAMCO - SOIL SAMPLES

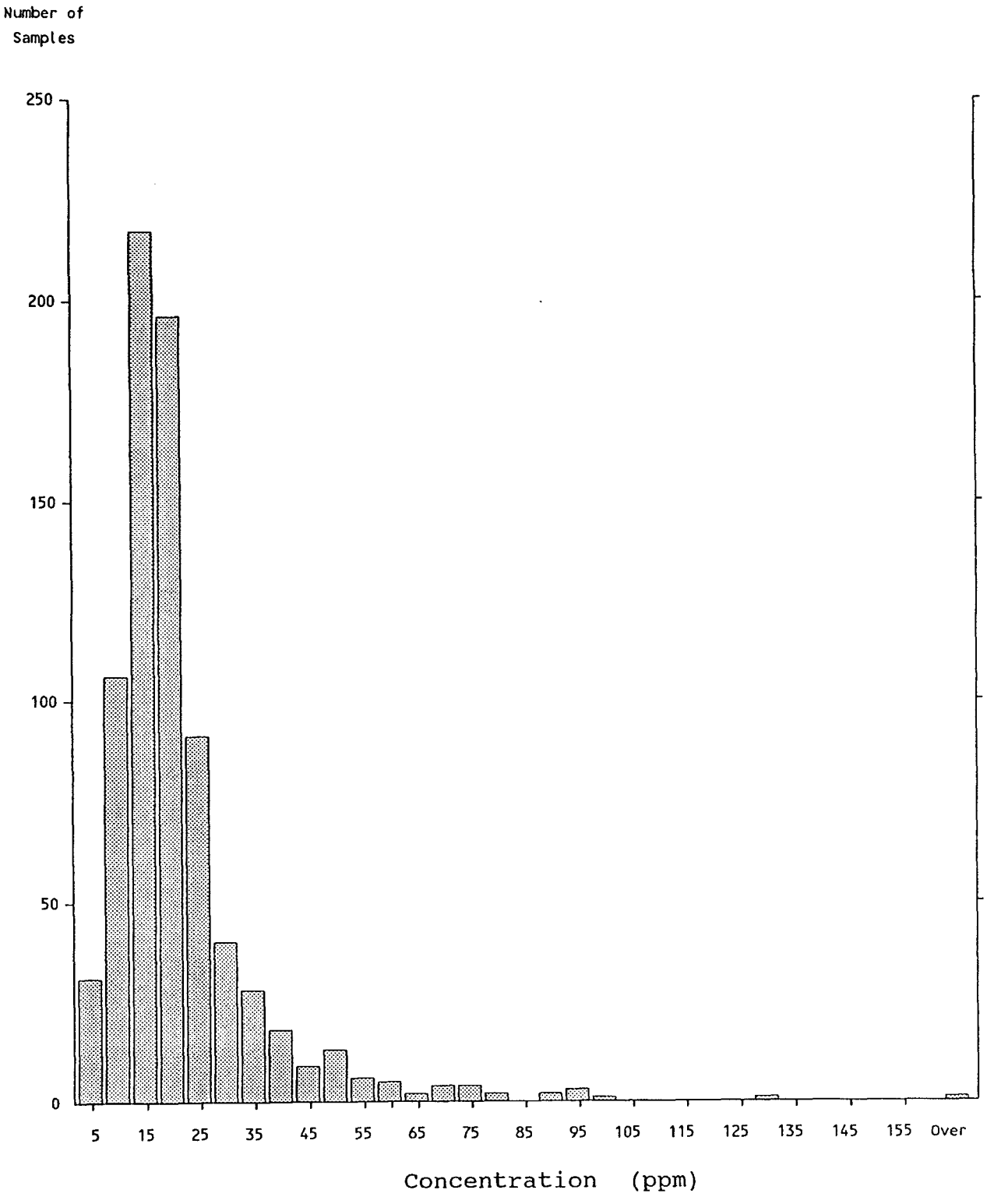
Pb



780 Samples	Maximum:	250	Mean:	20
	Minimum:	2	Median:	16
			Standard Deviation:	16

NORAMCO - SOIL SAMPLES

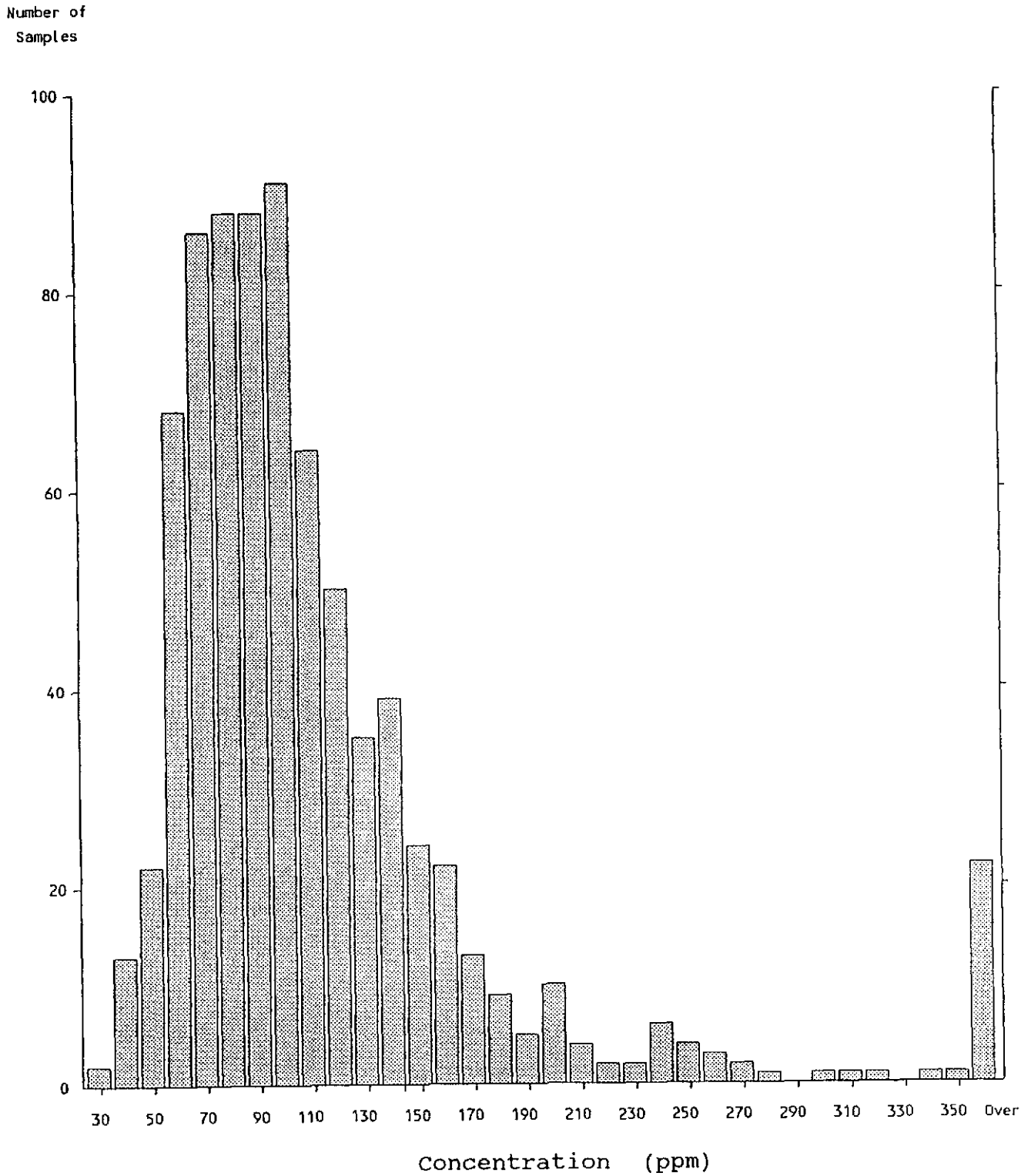
Pb



780 Samples	Maximum:	250	Mean: 20
	Minimum:	2	Median: 16
			Standard Deviation: 16

NORAMCO - SOIL SAMPLES

Zn



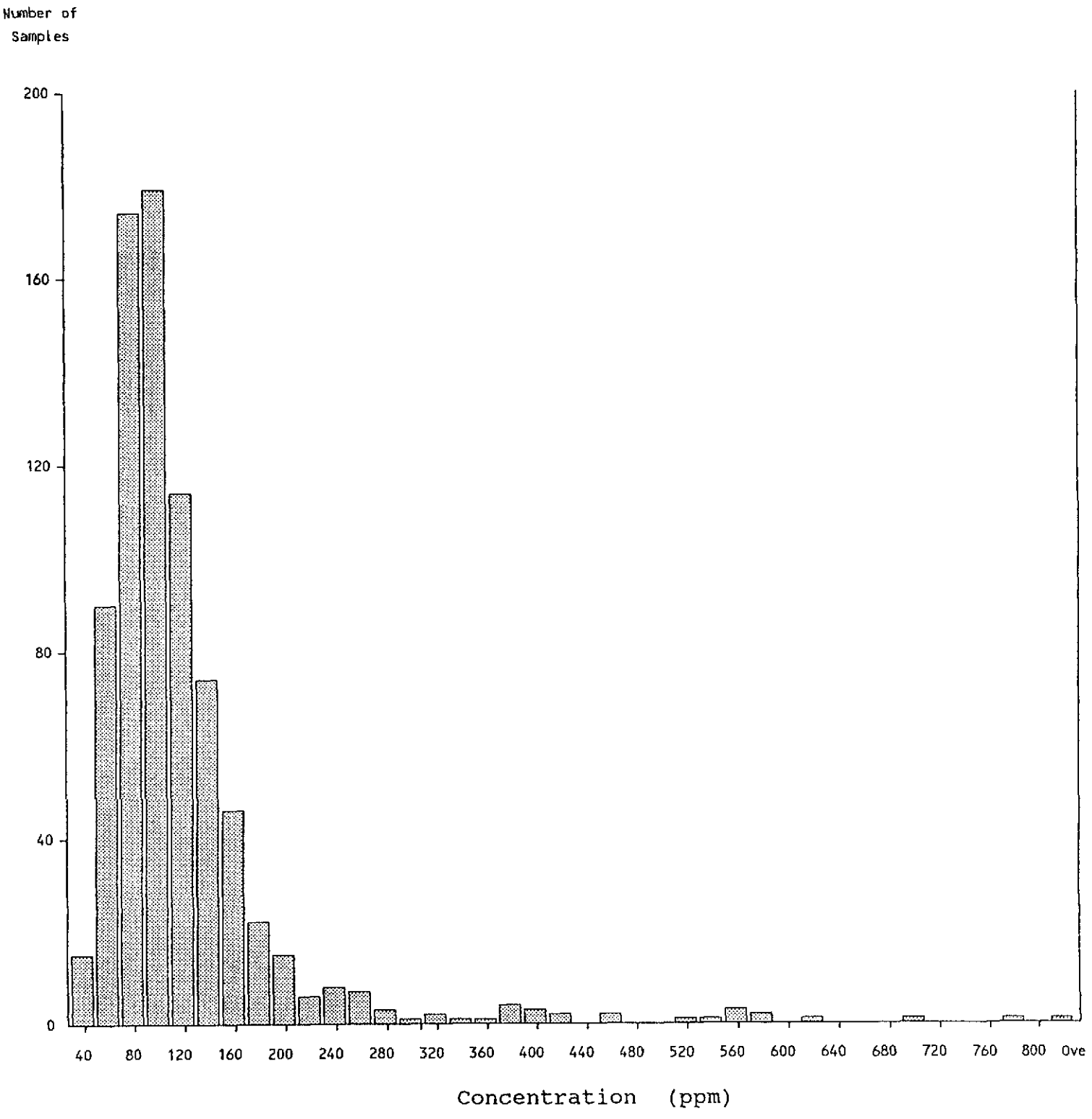
780 Samples

Maximum: 820
Minimum: 29

Mean: 113
Median: 93
Standard Deviation: 84

NORAMCO - SOIL SAMPLES

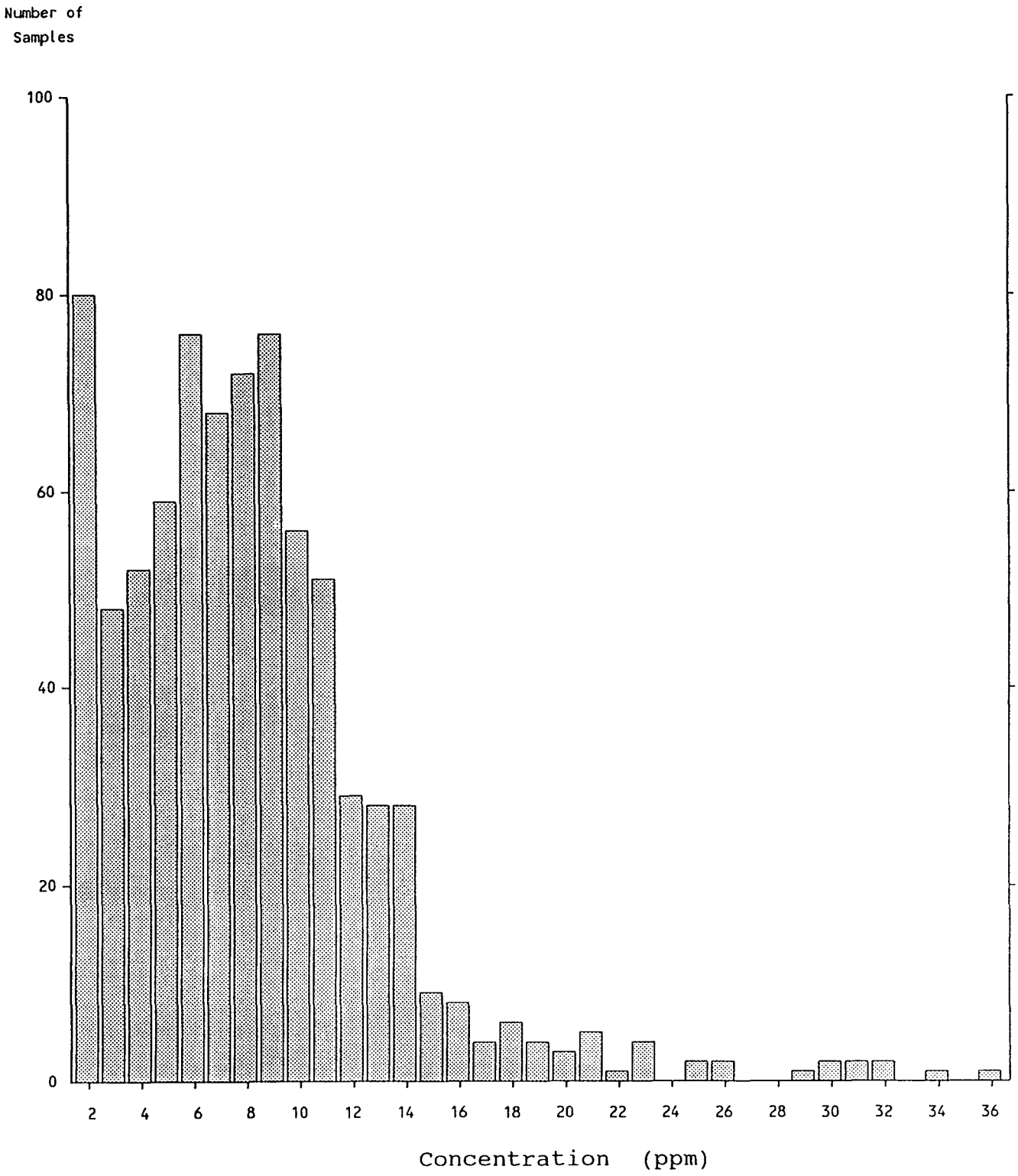
Zn



780 Samples	Maximum:	820	Mean: 113
	Minimum:	29	Median: 93
			Standard Deviation: 84

NORAMCO - SOIL SAMPLES

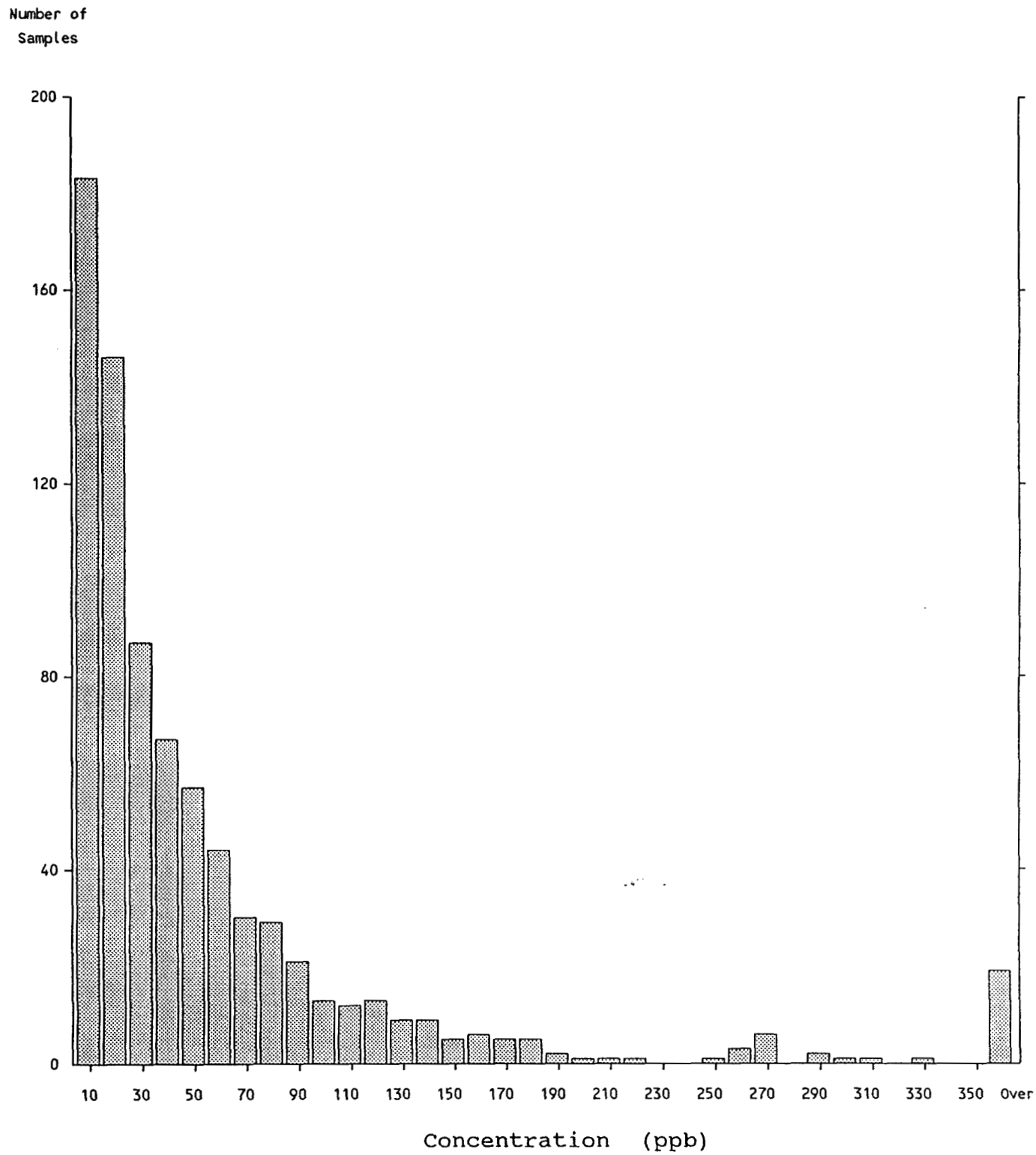
As



780 Samples	Maximum:	36	Mean:	8
	Minimum:	2	Median:	8
			Standard Deviation:	5

NORAMCO - SOIL SAMPLES

Au*



780 Samples	Maximum:	2570	Mean: 61
	Minimum:	1	Median: 27
			Standard Deviation: 140

APPENDIX V

ACME ANALYTICAL LABORATORIES LTD. INVOICES
&
DELTA GEOSCIENCE LTD. INVOICES

ACME ANALYTICAL LABORATORIES LTD.

852 East Hastings St., Vancouver, B.C. V6A 1R6

File: 90-3674

Date: Aug 24 1990

RECEIVED
AUG 28 1990

NORAMCO EXPLORATION INC.
900 - 999 W. Hasting St.
Vancouver, BC
V6C 2W2
ATTN: MR. D. SILVERSIDES

TERMS:
NET TWO WEEKS -
1½% PER MONTH CHARGED ON
OVERDUE ACCOUNTS.

NUMBER	ASSAY	PRICE	AMOUNT
	PROJECT : 2012 (KENA)		
453	SPECIAL PRICE - 30 ELEMENT ICP ANALYSIS @	3.25	1472.25
453	GEOCHEM AU ANALYSIS BY ACID LEACH (10 gm) @	4.50	2038.50
453	SOIL SAMPLE PREPARATION @	0.85	385.05
			3895.80
	GREYHOUND W/B# 13127276886		58.80
	TOTAL		3954.60
	SAMPLES SUBMITTED BY B. LEWIS		
	FAX 1		

APPROVED
INITIAL: DAS
CODE: 2012/22.

Kena

✓

PLEASE PAY LAST AMOUNT

ACME ANALYTICAL LABORATORIES LTD.

852 East Hastings St., Vancouver, B.C. V6A 1R6

File: 90-3908

Date: Sep 1 1990

RECEIVED SEP 4 1990

NORAMCO EXPLORATION INC.
900 - 999 W. Hasting St.
Vancouver, BC
V6C 2W2
ATTN: P. SILVERSIDES

TERMS:
NET TWO WEEKS -
1½% PER MONTH CHARGED ON
OVERDUE ACCOUNTS.

UMBER	ASSAY	PRICE	AMOUNT
	PROJECT : 2012(KENA)		
201	SPECIAL PRICE - 30 ELEMENT ICP ANALYSIS @	3.25	653.25
178	GEOCHEM AU ANALYSIS BY ACID LEACH (10 gm) @	4.50	801.00
23	GEOCHEM AU ANALYSIS BY FA/ICP FROM 10 gm SAMPLE @	6.00	138.00
178	SOIL SAMPLE PREPARATION @	0.85	151.30
23	ROCK SAMPLE PREPARATION @	3.00	69.00
			1812.55
	GREYHOUND W/B# 13127268851		41.90
	TOTAL		1854.45
	SAMPLES SUBMITTED BY B. LEWIS		
	FAX 1		

APPROVED
INITIAL: DB
CODE 2012/22
Kena

✓

ACME ANALYTICAL LABORATORIES LTD.

253-3158 852 East Hastings St., Vancouver, B.C. V6A 1R6

File: 90-4424

Date: Sep 20 1990

NORAMCO EXPLORATION INC.
900 - 999 W. Hasting St.
Vancouver, BC
V6C 2W2
ATTN: MR. P. SILVERSIDES

TERMS:
NET TWO WEEKS -
1½% PER MONTH CHARGED ON
OVERDUE ACCOUNTS.

NUMBER	ASSAY	PRICE	AMOUNT
	PROJECT : 2012 (KENA) #4		
203	SPECIAL PRICE - 30 ELEMENT ICP ANALYSIS @	3.25	659.75
203	GEOCHEM AU ANALYSIS BY FA/ICP FROM 10 gm SAMPLE @	6.00	1218.00
72	ROCK SAMPLE PREPARATION @	3.00	216.00
131	SOIL SAMPLE PREPARATION @	0.85	111.35
			2205.10
	GREYHOUND W/B# 13127273106		83.90
	TOTAL		2289.00
	SAMPLES SUBMITTED BY B. LEWIS		

FAX 1

APPROVED
INITIAL:
CODE: 2012-30

RECEIVED
SEP 21 1990

PLEASE PAY LAST AMOUNT

DELTA GEOSCIENCE LTD.
Mineral Exploration Geophysics
Consulting and Contracting

642 English Bluff Rd.
Delta, B.C., Canada V4M 2N4
Tel: (604) 943-0983
Fax: (604) 943-3907

October 2, 1990.

Inv. E.027.

INVOICE

Noramco Mining Corporation,
900, 999 West Hastings Street,
Vancouver, B.C.,
V6C 2W2.

Attn: Mr. Dave Silversides.
Exploration Manager.

Re: Geophysical Surveys on the Shaft Extension,
Lacana Extension and Kena Copper Grid,
Nelson Area of British Columbia

Mob-Demob		$ 1,800.00.
Sept. 18-22:	VLF-EM/Magnetic Surveys: 5 days @ $900.00/day	$ 4,500.00.
Sept. 23-30:	I.P/Resistivity Surveys: 8 days @ $1,350.00/day	$10,800.00.
Board Costs:	13 days @ $22.00/day/man x 2 men:	$ 572.00.
		$17,672.00.

APPROVED
INITIAL: KLS
CODE: 2012/34

* PRORATED COSTS FOR KENA COPPER GRID

VLF-EM/MAG. SURVEY 3 DAYS @ $ 900.00/DAY	2,700.00
I.P RESISTIVITY SURVEYS 5 DAYS @ $ 1,350.00/DAY	6,750.00
BOARD COSTS 8 DAYS @ $ 22.00/DAY/MAN x 2 MEN	352.00
	$ 9,802.00