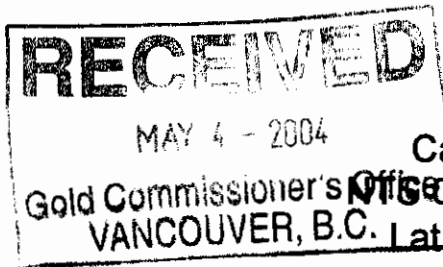


KOSAK PROJECT
Report of Preliminary Enhanced Enzyme Leach Soils
Survey and Geological Reconnaissance



Cariboo Mining Division
Office 93A-03W (93A.013-.023)
VANCOUVER, B.C. Lat 52° 12' Long. 121° 25'

Owned and Operated by
H.J. Wahl
P.Eng.B.C.

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

27,401

Prepared by
H. J. Wahl, P.Eng. B.C.
R.R.#10, 1416 Ocean Beach Esplanade
Gibsons, B. C. Canada. VON 1V3

April 2004

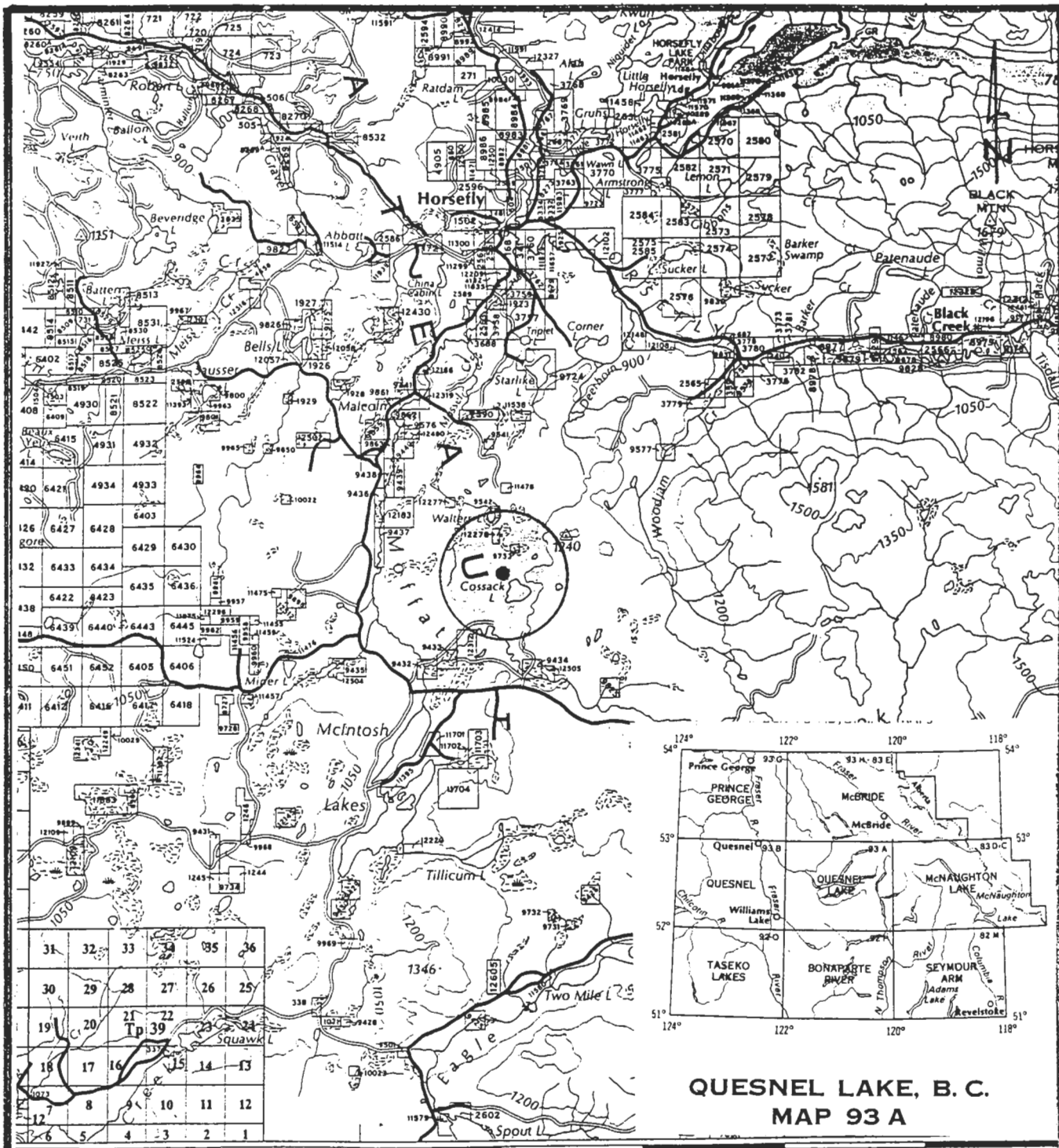
LIST OF FIGURES

- FIG. 1 General Location Map, Scale 1:250,000
- FIG. 2 Fault shear – Frac. Pattern and Mineral Deposits, Scale 1:250,000
- FIG. 3 Calculated Vertical Magnetic Gradient Showing Selected Aeromag Target, Scale 1 cm=204 m
- FIG. 4 Location Enzyme Leach Soils Lines, plus
Rock and Silt Sample Sites, including Claim Lay-out.
Scale 1:10,000
- FIG. 4A Plot of Cu Zn Au Values (Enzyme Leach) for Road Traverses KN
and CS, Scale 1:10,000

ENCLOSURES

Assay Reports: Acme # A301810 (silts)
 Acme # A301812 (rocks)
 Acme/ Act Labs #A03-1117 soils

Hill, Gregory T., Consulting Report, Enzyme Leach Soils
Results, 29 July 2003



30'

15'

FIG. 1

**KOSAK PROJECT
 CARIBOO M.D. 093A - 03W
 GENERAL LOCATION MAP**

Scale: 1:250,000

H.J. Wahl, P.Eng.B.C.

June 2003

SUMMARY

The Kosak Project embraces a potential host site for a high grade cal-alkaline Porphyry deposit based upon regional structural intersections, calculated vertical gradient aeromagnetic anomalies, and location at the eastern margin of Miocene plateau basalt cover. The subject target was searched by two reconnaissance soil traverses (KN, CS) with samples assayed by the enhanced enzyme leach technique. An oxidation anomaly was identified on Traverse CS, and follow-up soil lines were completed, with samples awaiting funds for assay.

The target zone is located 15 km due south of Horsefly, with excellent road access.

The project area is flat and entirely mantled by glacial outwash deposits of unknown depth.

Probable geologic setting places the target on the west side of the Jurassic Takomkane Batholith in likely contact with Triassic volcanics. The area may lie within a regional skarn event (south) that extends north to the Megabucks Property.

Costs for the current project are \$ 9,073.06.

INTRODUCTION

The Kosak property currently forms one of three targets within the "Afton Clone Project" (high-grade Cu-Au alkalic porphyry deposits). The other two, King Kong 93A.023 and Magalloy-Magex 93A.023 are situated in close proximity to the north and northwest.

Criteria for inclusion in the Afton Clone Project include:

1. Location within or marginal to known or suspected syenitic intrusives hosted by Triassic Nicola Volcanics.
2. Proximity to the edge or margins of Eocene/Miocene cover rocks
3. Indication of regional or local structural displacement (air photo interpretation/aeromagnetic trends.)
4. Association with strong aeromagnetics, generally 3500 σ or higher.
5. Presence of nearby mineralization and/or drainage geochemical results is desirable, but in the case of Kosak, the area is entirely covered by glacial outwash deposits.

The Kosak Target was selected on the basis of a 3,500 δ aeromagnetic anomaly sited at the junction of a major NE-SW fault system, with a WNW trending aeromagnetic low feature (Geophysics Paper 7221). (FIG.2)

A close-interval helicopter-borne survey by Noranda (2) shows the GSC detected anomaly to consist of a western N-S trending zone over 2 km long and a separate E-W trending zone approximately 2 km long.

These features thus became the focus for the current enzyme leach soils work, which was facilitated by new logging activity in the target area.

PROPERTY (FIG. 4)

The property consists of 28 each 2-post mineral claims as follows:

Claim(s)	Tenure Nos	Record Date	No.
Kosak 1-10	402726-402735	19 May 2003	10
Kosak 11-24	402736-402749	20 May 2003	14
Kosak 25-28	405338-405341	17 Sept 2003	04
			28 units

The subject claims are situated in the Cariboo Mining Division of Central British Columbia and were staked in compliance with current staking regulations. Assessment work in the amount of \$100/unit is required during the first 3 years of tenure, increasing to \$200/unit thereafter. The claims are plotted of Mineral Titles maps 093A.013 and 093A.023.

LOCATION & ACCESS (FIG.1)

The claims are located 15 km due south of Horsefly to the west and east of Cossack Lake. They are road accessible via the 108 Road to the Walters Lake Rd., then southerly to the Cossack North and South main haul roads. The latter are new roads constructed during year 2000-01. New cut blocks (2002) cover a large part of the claimed area.

Specific locational details are:

Lat. 52°12'

Long. 121° 25'

NTS 093A-3W (93A.013-.023)

TERRAIN/TOPOGRAPHY

The property lies within the Fraser Plateau area of central B.C. Terrain is basically flat with maximum local elevation differential of 10-15 meters. Average elevation in the area is 3,300 feet ASL. Vegetation consists of relatively open lodgepole pine (dominant) with scattered areas of spruce-pine-fir and aspen. Numerous new cut blocks are present throughout, and logging is ongoing.

HISTORY

There are no recorded mineral showings nor records of previous exploration in the assessment files. Old claim maps dating to 1969-70 indicate that Falconbridge Ltd., held a large block of claims running E-W along Moffat Creek some 16 km long by 5 km wide. The north edge of this block lies about 1 km south of Cossack Lake, and thus did not cover the current staking. No old blaze lines or claim posts were located during the current work.

WORK PERFORMED

20 May – Soil sample South Cossack Main Line (new haul road) 26 samples.
 23 May – Soil sample North Cossack Main line (new haul road) 16 samples.
 27 May – Geological traverse around perimeter Cossack Lake. 1 silt sample.
 14 Sept – Cut lines LA and LB (1.8 km). Collect 36 soil samples.
 17 Sept – Cut and soil sample Line 'C'. (0.85 km) 15 samples.
 21 Sept – Geological reconnaissance over new cut block areas.

Totals: Silts – 2 ea, conventional assay
 Rocks – 4 ea, conventional assay
 Soils – 93 ea, 42 submitted for enhanced enzyme leach analysis.
 Balance awaiting funds for assay.

REGIONAL GEOLOGY

The Quesnel Trough (Nicola Group) consists of a variable assemblage of Late Triassic to Early Jurassic (island arc/sub-duction zone) submarine and subaerial volcanics, volcanoclastics and sedimentary strata underlying much of the Intermontane belt of central and south central British Columbia.

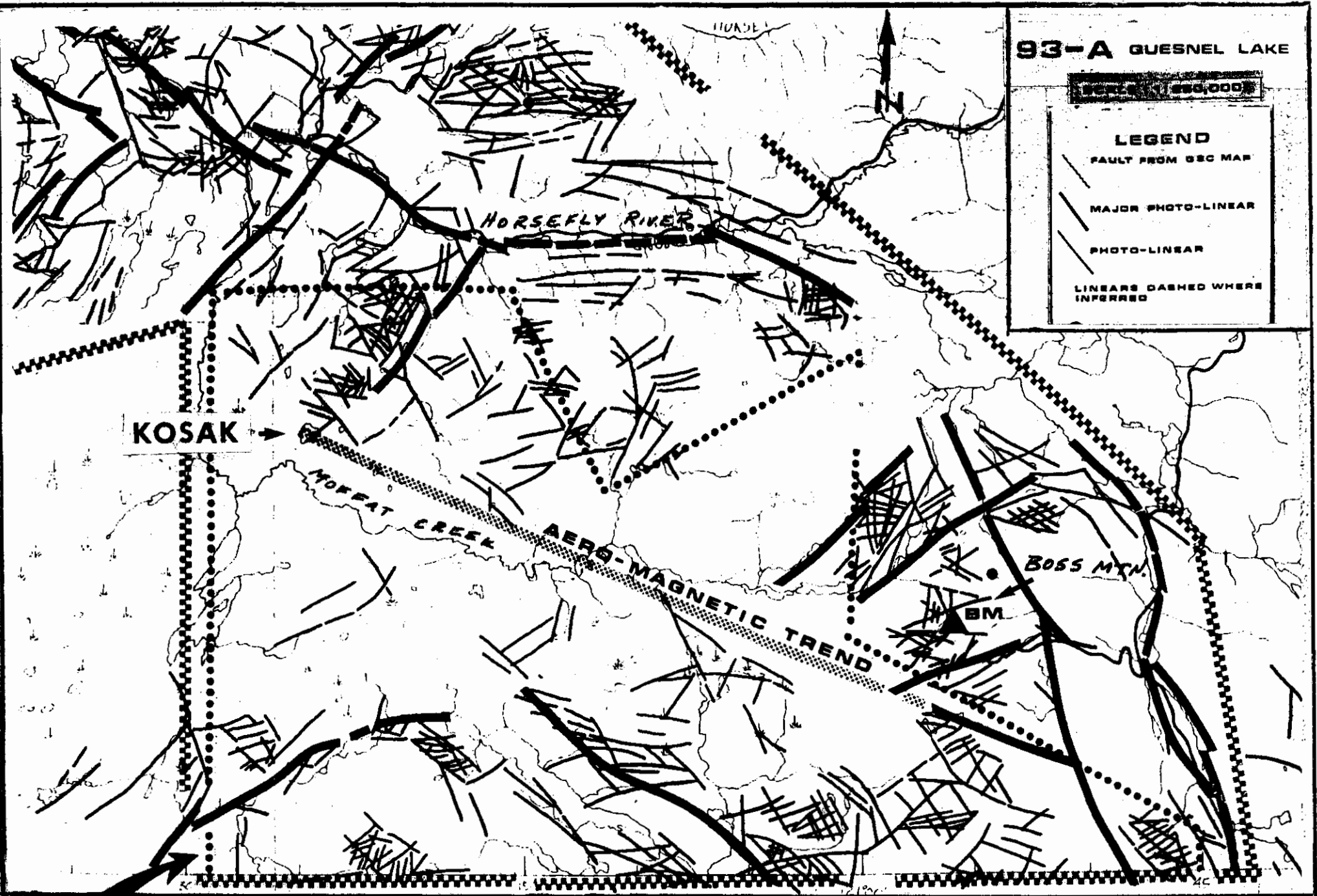
The lowermost Nicola is largely a sedimentary pelitic unit overlain by an upper, dominantly fragmental basalt/volcanoclastic package. Current literature suggests that the upper volcanic assemblage was thrust northeastwards over the pelitic zone during Jurassic time. The Eureka thrust marks the eastern boundary

93-A GUESNEL LAKE

1:50,000

LEGEND

- FAULT FROM GEC MAP
- MAJOR PHOTO-LINEAR
- PHOTO-LINEAR
- LINEARS DASHED WHERE INFERRED



FAULTSHEAR-FRAC PATTERN AND MINERAL DEPOSITS

FIG. 2

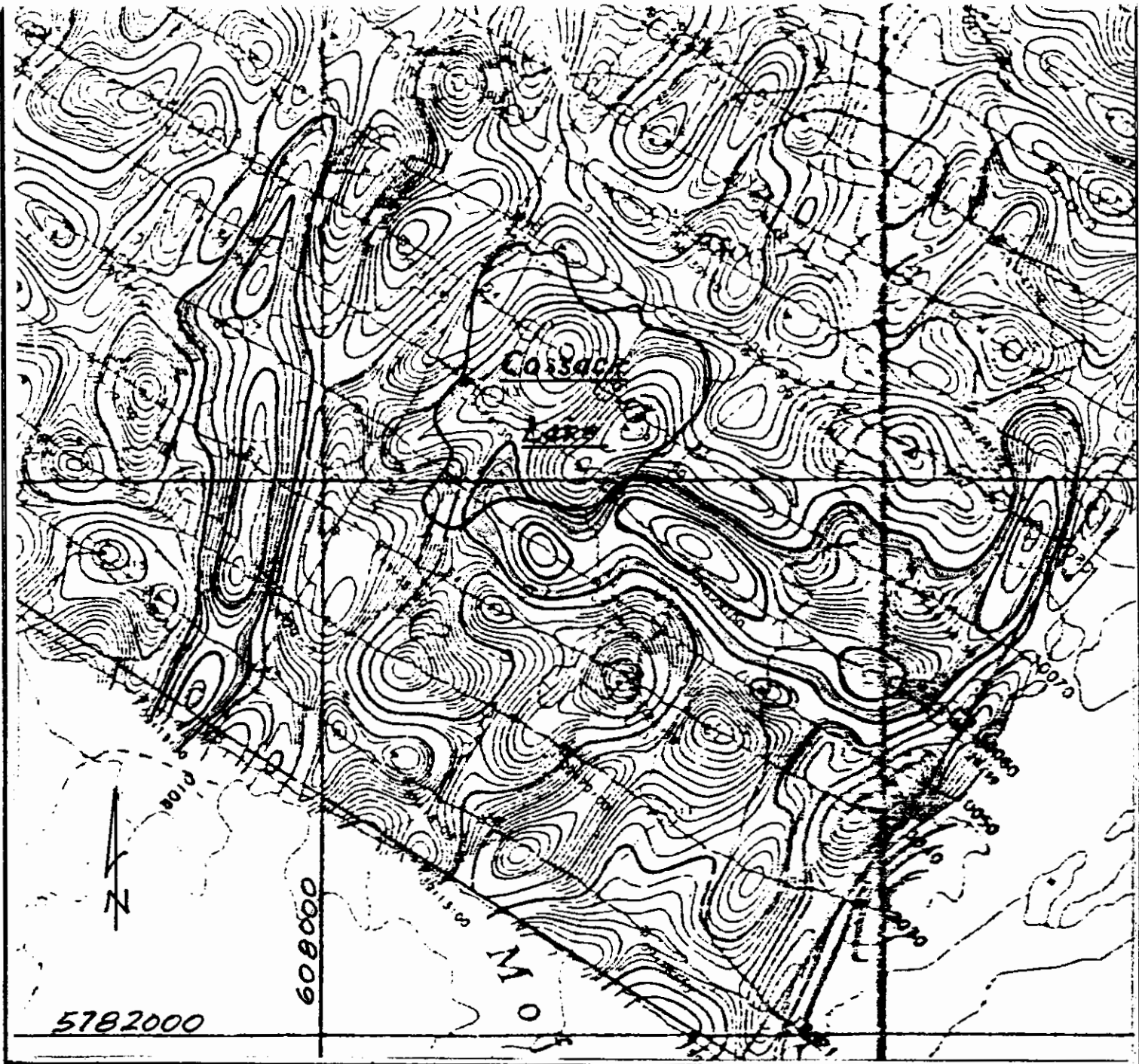


FIG. 3

GEOLOGICAL RESEARCH
ASSESSMENT REPORT

22,670

NORANDA EXPLORATION COMPANY LIMITED

CALCULATED VERTICAL MAGNETIC GRADIENT

MEGABUCK AREA
Wilsons Lake, B.C.

SCALE 1:20,000

0 1000 2000 3000 Feet

AERODAT LIMITED	DATE	MAY '02
	NTS No.	8774,8
	MAP No.	3 J0228

KOSAK PROJECT
CARIBOO M.D. 093A - 023
 Scale: 1 cm = 204 m
CALCULATED VERTICAL MAGNETIC GRADIENT
SHOWING SELECTED AEROMAG TARGET

H. J. Wahl, P. Eng. B.C.

June 2003

of the trough, and the contact between the Mesozoic and Paleozoic terranes. Strata of the Quesnel Trough have been intruded by both Late Jurassic to Early Cretaceous plutonic intrusives (Takomkane, Thuya) and a series of alkalic stocks of diorite, monzonite, and syenite, which occur in the central volcanic belt and constitute eruptive centers.

Exact geologic relationships are obscure, being limited by lack of stratigraphic continuity, block faulting, and glacial cover.

LOCAL GEOLOGY (FIG. 4)

As noted previously, the total claimed area is covered by glacial outwash deposits. A cluster of large (>2 m) angular boulders was noted at the junction of several side roads, in the approximate center of a new cut block. These were all very coarse volcanic breccia with abundant syenite clasts. A few other floats collected during geological reconnaissance did not return any significant metal values.

Given the surficial cover and low elevation nature of the project area, surface floats are of dubious value. Based upon work completed in reference (4), the Kosak Claims may lie within the southern end of the regional Deerhorn skarn event.

Geophysical-Geological Target (FIGS. 2,3,4)

The Kosak claims fit the criteria listed for inclusion in the 'Afton Clone Project'. A 3,500 aeromagnetic anomaly 4 km long detected by the 1967 GSC-Lockwood Survey Corp. Ltd., is situated at the west end of a prominent WNW trending magnetic low feature traversing the Takomkane batholith. The subject anomaly has a peak signature of 3,900 gammas, and lies at the intersection of a strong NE-SW linear trend. The magnetic anomaly/coincident structural feature is sited at the approximate eastern margin of Miocene plateau basalt cover. The quoted target was further refined by the 1992 Noranda Aerodat survey (200m line spacing), where calculated vertical gradient results split the gross feature into two separate zones: a western N-S zone over 2 km long, and a separate WNW zone 2 km long, with a north trending lobe at the east end. The two zones were thus considered as the prospecting targets.

Geochemical Survey (FIG.4)

Two roadside soil traverses were completed along the Cossack North and South main haul roads, both of which cross the magnetic targets. Samples were collected at a basic 100 m interval, well away from disturbed areas, using a modified, long handle, round point shovel. Stations were marked on nearby trees

by blazing and marker paint, or on pickets in clear-cut areas. The bagged samples were shipped to Acme Analytical Labs in Vancouver for processing, and furtherance to Actlabs of Ancaster, Ontario for analysis. Resultant data was interpreted by Greg Hill of Reno, Nevada. (Report enclosed.)

Results of Enzyme Leach Soils Survey (FIG.4-Enclosed Consultant's Report)

The preliminary sampling identified an oxidation anomaly centered about station CS 1600, slightly east of the western N-S trending magnetic vertical gradient anomaly. This is a strong indication that sub surface sulphides are present, possibly associated with a sill-like or laccolithic intrusive body or magnetite-rich stratigraphy in the Triassic Volcanic package.

To refine the Target, three additional soils lines (A,B,C) were cut and sampled at 50 m intervals in September 2003. The collected soils (51ea) are awaiting funds for assay.

CONCLUSIONS & RECOMMENDATIONS

The predicated target, a potential Cu-Au, calc-alkaline porphyry deposit, occurring at the conjunction of major structural features, and lying at the eastern margin of Miocene plateau basalt cover, has been validated by preliminary enhanced enzyme leach survey results.

Further definition of the EZL oxidation anomaly awaits the analysis of samples collected along amplification lines A, B, and C.

Prepared by H. J. Wahl,
P.Eng. B.C.



STATEMENT OF COSTS

Fieldwork, H. J. Wahl, 6 days @ \$600/day (20 May, 23 May, 27 May, 14 Sept., 17 Sept. & 21 Sept. 2003)	\$3,600.00
Reporting, H. J. Wahl, 5 days @ \$300/day	1,500.00
Field vehicle, Cummins Dodge 4x4, Lic. 5181E4 6 days @ \$140/day	840.00
(Code 1) Travel Expense	398.41
(Code 4) Prints, photocopy	60.38
(Code 6) Postage, freight, communications	35.76
(Code 7) Field equipment and supplies	303.99
(Code 9) Permits, Fees, Licences	280.00
(Code 11) Assays	<u>2,054.52</u>

Total: \$9,073.06

Certified True and Correct
H. Wahl, P.Eng. B.C.



References

- (1) Geophysics Paper 5234, Murphy Lake, B.C. Sheet 93A-3, 1967.
- (2) Geophysics Paper 7221, Quesnel Lake, GSC Airborne Magnetic Survey, 1961.
- (3) AR 22,670 Helicopter-borne Geophysical Survey for Noranda Exploration Company Ltd., by R.W. Woolham, P.Eng., Aerodat Ltd., 15 July 1992.
- (4) Wahl, H.J. P.Eng. B.C., Magalloy-Magex project, April 2004.
- (5) Wahl, H.J. P.Eng. B.C., King Kong Claims, Report of Initial Enzyme Leach Soil Geochemical Survey, October 2002.

KOSAK REPORT
Rock Sample Descriptions

K-1R

Float. 2 kg. North side Cossack Lake. Pale limonite stained sub angular rock. Highly silicified, feldspar porphyritic, epidote-bearing (lean) altered volcanic. Pyroxenese chloritized. One area looks like intrusive injection zone. Carries 10-15% very fine dusty magnetite.

K-2R

Float, 1 kg., somewhat more rounded than 1R. Med. Grey, very fine grained, magnetite rich, altered volcanic. Low pyroxene content which are chloritized. Rock is strongly siliceous.

KN-1200

Float, Kosak North line, Sta. 1200, large angular blocks to 20 kg. Unusual, massive, mottled, fine grained quartz, K-spar, epidote rock with scattered qtz. eyes. Scattered clots of magnetite. Very large randomly oriented phenos of Na-flsp to 0.5 x 2.0 cm.



GEOCHEMICAL ANALYSIS CERTIFICATE



Wahl, Herb PROJECT KOSAK File # A301810
R.R. 10, 1416 Ocean Beach, Gibson BC V0N 1V3 Submitted by: Herb Wahl

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
G-1	1.6	3.0	2.2	46	<.1	5.0	4.5	622	2.12	<.5	1.9	1.0	4.0	85	<.1	<.1	.1	43	.64	.079	9	17.6	.62	289	.152	1	1.40	.119	.56	2.8	.01	2.9	.3	<.05	5	<.5
KN-ST	.5	10.7	2.6	28	.1	14.3	5.6	820	1.27	3.0	1.5	.7	.9	57	.1	.2	<.1	35	.70	.097	8	24.2	.36	88	.064	2	.74	.015	.05	.2	.54	2.0	<.1	<.05	2	.5
K-2ST	1.7	19.0	2.9	34	.1	19.1	5.4	565	1.25	2.7	3.0	1.3	1.0	75	.1	.3	.1	48	.91	.077	11	29.9	.38	115	.054	3	.88	.016	.05	.2	.68	2.9	<.1	<.05	3	.8
STANDARD DS4	6.8	127.7	30.4	158	.3	34.0	12.1	791	3.15	22.5	6.5	26.0	3.6	26	5.3	4.9	5.0	74	.51	.087	16	159.3	.59	142	.081	1	1.75	.028	.14	4.1	.28	3.5	1.1	.06	6	1.3

GROUP 1DX - 15.00 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, ANALYSED BY ICP-MS.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: SILT SS80 60C

DATE RECEIVED: JUN 2 2003 DATE REPORT MAILED: *June 12/03* SIGNED BY: *C. Leong* D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



GEOCHEMICAL ANALYSIS CERTIFICATE



Wahl, Herb PROJECT KOSAK File # A301812
R.R. 10, 1416 Ocean Beach, Gibson BC V0N 1V3 Submitted by: Herb Wahl

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	
SI	<1	1	<3	4	<.3	1	<1	229	.05	<2	<8	<2	<2	4	<.5	<3	<3	1	.13	.001	<1	1	<.01	3	<.01	<3	.01	.68	<.01	<2	7.3
K-1R	1	2	4	25	<.3	67	15	252	2.65	21	<8	<2	<2	81	<.5	<3	<3	102	1.06	.169	3	131	1.35	48	.15	<3	1.44	.12	.43	<2	5.1
K-2R	1	15	<3	32	<.3	4	9	206	4.40	10	<8	<2	2	104	<.5	<3	4	120	1.06	.120	5	8	.17	45	.08	<3	1.35	.17	.07	<2	.3
KN-1200	1	30	3	73	<.3	253	31	812	3.87	<2	<8	<2	3	110	<.5	<3	<3	112	1.10	.324	46	261	3.85	132	.13	<3	1.45	.13	.18	<2	1.1
1KN-1200	1	2	5	70	<.3	11	7	413	2.08	17	<8	<2	<2	61	<.5	<3	<3	84	1.28	.283	8	11	.50	100	.06	5	.79	.05	.12	<2	1.2
STANDARD DS4/AU-R	7	132	30	156	<.3	33	11	759	3.13	23	<8	<2	5	28	5.3	5	5	75	.50	.090	17	158	.60	145	.08	<3	1.78	.03	.16	3	467.0

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150 60C AU* IGNITED, ACID LEACHED, ANALYZED BY ICP-MS. (15 gm)

DATE RECEIVED: JUN 2 2003 DATE REPORT MAILED: *June 13/03* SIGNED BY: *C. Leong* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Quality Analysis...



Innovative Technologies

Invoice No.: A03-1117
Work Order: A03-1117
Invoice Date: 11-JUL-03
Date Submitted: 13-JUN-03
Your Reference: A-301858
Account Number: 159

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST.,
VANCOUVER, B.C.
V6A 1R6
ATTN: CLARENCE LEONG

CERTIFICATE OF ANALYSIS

42 PULP(S) *KOSAK* were submitted for analysis.

The following analytical packages were requested. Please see
c current fee schedule for elements and detection limits.

REPORT 031117 CODE 7 ENHANCED - ENZYME LEACH ICP/MS(ENZYME.REV1)

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portions of the report are reproduced, permission must be obtained.
If no instructions were given at time of sample submittal regarding
excess material, it will be discarded within 90 days of this report.
Our liability is limited solely to the analytical cost of these analyses.
Test results are representative only of material submitted for analysis.

CERTIFIED BY :

A handwritten signature in black ink, appearing to be "E. Hoffman", written over a horizontal line.

DR E.HOFFMAN/GENERAL MANAGER

ACTIVATION LABORATORIES LTD.

1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or +1.888.228.5227 FAX +1.905.648.9613

E-MAIL ancaster@actlabs.com ACTLABS GROUP WEBSITE <http://www.actlabs.com>

Enzyme Leach Job #: A03-1117 Report#: A03-1117 Customer: Acme Labs Contact: C. Leong

Trace element values are in parts per billion. Negative values equal NOT DETECTED at that lower limit. Elements arranged by suite and by atomic mass.

Values = 999999 are greater than the working range of the instrument. S.Q. = That element is determined SEMIQUANTITATIVELY.

Enhanced Package:

Sample ID:	Oxidation Suite:															Base Metals:					
	S.Q.	Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	S.Q.	Hg	Th	U	Co	Ni	Cu	Zn
CS 00	3260	57	45	114	3.9	-1	1.9	0.47	-0.5	0.3	-0.005	0.016	0.7	2.12	0.94	11.9	12.3	14.3	-5	0.4	
CS 100	2620	94	44	101	1.9	-1	1.7	0.62	-0.5	0.2	0.010	0.011	0.4	1.08	0.66	81.1	35.0	6.2	-5	0.1	
CS 200	6320	81	72	106	4.0	-1	2.9	0.98	-0.5	0.4	-0.005	0.024	0.6	1.69	0.76	28.6	30.4	12.1	-5	-0.1	
CS 300	9550	65	34	68.8	4.1	-1	12.3	0.59	-0.5	0.6	-0.005	0.022	0.5	1.17	0.70	111	43.4	9.6	584	1.5	
CS 400	6310	83	41	60.8	2.0	-1	5.1	0.70	-0.5	0.2	-0.005	0.013	0.3	1.16	1.36	96.2	62.0	15.5	444	0.4	
CS 500	8670	60	33	84.9	5.4	2	16.1	0.64	-0.5	0.7	-0.005	0.012	0.4	1.79	0.54	89.3	57.8	11.8	-5	0.6	
CS 600	3160	76	58	128	2.1	2	1.6	0.75	-0.5	0.2	0.010	-0.005	0.3	1.43	0.84	28.0	14.5	8.2	-5	2.3	
CS 700	2660	54	36	98.6	2.0	-1	1.2	0.44	-0.5	0.1	0.010	-0.005	0.2	0.95	0.76	28.6	15.6	12.4	-5	0.4	
CS 800	4030	69	52	114	3.2	-1	2.1	0.53	-0.5	0.3	0.006	0.007	0.3	1.79	0.79	41.1	29.6	8.4	-5	0.6	
CS 900	4920	60	48	127	2.4	-1	2.5	0.93	-0.5	0.4	0.013	-0.005	-0.1	1.29	0.84	53.5	30.6	10.8	-5	0.1	
CS 1000	4490	60	57	214	3.7	-1	1.6	0.66	-0.5	0.2	0.008	0.019	0.4	1.43	0.78	26.3	17.0	9.7	-5	0.7	
CS 1100	3150	45	24	67.7	1.5	-1	0.7	0.43	-0.5	-0.1	-0.005	0.009	0.3	0.62	0.50	23.4	14.3	5.1	-5	0.1	
CS 1200	3340	86	57	158	2.4	-1	0.9	0.78	-0.5	-0.1	0.020	-0.005	0.4	2.10	1.14	23.6	23.3	12.2	-5	0.6	
CS 1300	3650	48	29	235	5.1	2	2.9	1.07	-0.5	0.4	0.012	0.006	0.1	0.95	0.80	24.2	23.6	13.8	-5	0.2	
CS 1400	1470	56	30	631	8.3	2	2.9	2.22	-0.5	0.6	0.012	0.012	0.3	1.07	0.76	20.9	36.6	89.3	-5	1.2	
CS 1600	1900	32	18	221	4.3	2	8.1	1.09	-0.5	0.5	0.012	0.018	0.1	1.21	1.08	18.6	44.0	36.2	-5	0.5	
CS 1800	6440	62	62	411	7.6	-1	4.5	1.12	-0.5	0.5	0.008	0.016	-0.1	1.89	0.93	71.3	44.6	23.5	-5	0.5	
CS 2000	3290	79	42	144	2.0	-1	2.8	0.73	-0.5	0.3	0.015	-0.005	0.1	1.98	0.83	26.2	31.0	13.9	-5	-0.1	
CS 2200	2770	65	50	172	3.3	-1	1.6	0.89	-0.5	0.3	0.007	0.011	-0.1	2.49	1.09	26.1	23.5	10.6	-5	0.5	
CS 2400	3800	81	56	117	3.2	-1	1.9	0.50	-0.5	0.4	-0.005	0.011	0.2	4.30	1.14	23.8	46.8	16.2	-5	1.9	
CS 2500	5180	138	104	217	3.0	1	1.6	0.91	-0.5	0.3	0.009	0.006	0.4	3.41	1.09	19.1	26.9	16.6	-5	0.3	
CS 2600	4290	85	64	130	2.8	-1	3.7	0.64	-0.5	0.3	-0.005	-0.005	-0.1	1.85	0.96	39.5	32.0	196	-5	0.1	
CS 2700	1390	79	63	137	2.4	-1	1.4	0.76	-0.5	0.2	0.011	-0.005	0.1	1.71	0.75	14.3	12.2	9.8	-5	0.2	
CS 2800	17400	149	122	303	25.7	2	8.9	0.99	-0.5	0.4	0.020	0.009	0.3	2.07	2.08	39.3	35.4	23.6	-5	1.1	
CS 2900	7680	107	86	183	4.4	3	6.7	0.61	-0.5	0.3	-0.005	-0.005	0.3	3.87	2.05	29.3	54.0	21.2	-5	0.5	
CS 3000	5680	165	168	748	18.1	6	20.0	1.72	-0.5	0.7	0.022	0.034	0.2	5.30	6.51	70.3	59.9	69.7	-5	0.6	
KN 00	5260	38	30	93.5	5.5	-1	6.1	0.56	-0.5	0.7	0.007	-0.005	-0.1	1.61	0.68	97.5	52.1	15.4	-5	0.4	
KN 100	2470	53	49	159	5.9	1	3.0	0.64	-0.5	0.3	0.013	0.007	-0.1	1.92	1.02	25.1	29.6	20.7	-5	0.5	
KN 200	8180	91	68	140	5.6	1	2.7	0.86	-0.5	0.3	-0.005	-0.005	0.3	1.61	0.64	22.9	27.4	12.5	-5	0.3	
KN 300	5170	85	72	193	4.8	1	2.3	0.78	0.5	0.3	0.006	-0.005	0.2	1.96	0.80	25.5	16.2	13.7	-5	-0.1	
KN 400	2230	48	25	102	2.4	-1	2.0	0.45	-0.5	0.2	-0.005	-0.005	-0.1	1.06	0.67	77.3	32.9	8.1	-5	0.3	
KN 500	1720	40	42	85.9	3.6	-1	3.4	0.66	-0.5	0.6	-0.005	-0.005	-0.1	1.18	0.45	54.8	30.4	7.2	-5	0.2	
KN 600	11400	117	78	174	5.9	2	4.2	0.81	-0.5	0.7	0.015	-0.005	0.2	4.08	1.19	46.7	43.5	15.6	-5	0.6	
KN 700	4040	50	52	143	6.5	-1	2.3	1.13	-0.5	0.4	0.017	-0.005	0.1	1.63	1.21	37.7	29.2	24.9	-5	0.4	
KN 800	2870	44	47	136	5.6	-1	3.1	1.15	-0.5	0.3	0.015	0.008	-0.1	1.63	1.09	31.4	35.3	27.7	-5	0.3	
KN 900	7030	69	56	241	8.2	1	4.5	1.11	-0.5	0.8	0.012	-0.005	0.1	2.57	1.09	27.9	43.3	20.0	-5	0.1	
KN 1000	2610	68	68	215	7.4	1	2.6	1.09	-0.5	0.3	-0.005	0.009	-0.1	2.99	1.40	15.7	35.0	27.0	-5	0.5	
KN 1100	4870	49	51	254	7.8	2	2.9	0.90	-0.5	0.4	0.006	0.019	-0.1	2.52	1.35	53.7	43.2	30.5	-5	1.2	
KN 1200	4390	60	56	187	8.8	-1	6.1	1.23	-0.5	0.3	0.006	0.005	-0.1	2.14	1.33	88.9	47.2	26.1	101	0.3	
KN 1300	3640	68	63	175	6.8	3	4.3	0.82	-0.5	0.5	-0.005	-0.005	-0.1	2.46	1.31	58.0	38.0	20.9	-5	0.3	
KN 1400	6700	56	47	117	5.9	1	11.1	0.69	-0.5	0.9	0.007	-0.005	0.2	2.17	0.92	57.4	55.7	9.9	-5	0.4	
KN 1500	1750	62	74	156	5.3	2	3.5	0.57	-0.5	0.4	0.011	-0.005	0.2	2.72	1.13	65.1	41.6	11.8	-5	0.1	

Certified By:



C. Douglas Read, BSc.
Laboratory Manager, Activation Laboratories Ltd.

Date Received: 13-Jun-03

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Date Reported: 09-Jul-03

Enzyme Leach Job #: A03-1117

Trace element values are in parts per billion

Values = 999999 are greater than the w

Enhanced Package:

Sample ID:	Base Metal - Chalcophile Association Indicators:								High-Field Strength Elements:							Rare Earth Elements:					
	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	S.Q. Ti	S.Q. Cr	Y	Zr	Nb	Hf	Ta	La	Ce	Pr	Nd	Sm	Eu
CS 00	1.0	0.13	-0.1	0.6	-0.01	0.3	0.164	-0.5	549	-3	7.54	39.2	1.1	1.17	0.05	6.06	13.9	1.97	8.44	1.78	1.41
CS 100	1.7	0.16	-0.1	2.0	0.02	0.4	0.228	-0.5	605	-3	6.03	20.7	0.6	0.49	0.03	4.98	10.2	1.41	5.46	1.20	1.12
CS 200	0.9	0.14	-0.1	1.1	-0.01	0.4	0.146	-0.5	911	-3	5.96	31.0	1.1	0.83	0.06	5.06	11.0	1.54	6.61	1.45	0.92
CS 300	4.1	0.18	-0.1	3.1	0.02	0.6	0.193	-0.5	1190	-3	3.52	22.9	1.7	0.63	0.05	3.73	6.71	0.97	3.68	0.55	0.92
CS 400	2.4	0.27	-0.1	8.5	0.03	0.5	0.315	-0.5	700	-3	4.69	24.5	0.9	0.61	0.06	4.21	8.44	1.06	5.29	0.92	0.62
CS 500	3.3	0.28	-0.1	1.1	0.02	0.3	0.227	-0.5	1430	-3	2.62	28.9	1.7	0.83	0.07	2.74	6.06	0.80	3.43	0.62	0.56
CS 600	1.3	0.20	-0.1	1.2	0.02	0.3	0.243	-0.5	416	-3	8.45	31.4	0.6	0.84	0.03	7.49	17.5	2.11	8.37	1.81	1.37
CS 700	1.3	0.20	-0.1	2.1	0.02	0.4	0.235	-0.5	435	-3	4.42	20.7	0.5	0.54	0.04	4.56	11.5	1.17	4.92	0.98	1.07
CS 800	1.5	0.11	-0.1	0.9	0.02	0.5	0.142	-0.5	837	-3	4.21	27.3	1.2	0.67	0.04	3.94	8.73	1.05	4.68	0.97	0.85
CS 900	2.6	0.22	-0.1	2.1	0.02	0.4	0.272	-0.5	782	-3	4.04	25.5	0.9	0.67	0.04	3.53	6.22	0.93	3.50	0.99	0.93
CS 1000	1.4	0.15	-0.1	0.8	0.02	0.4	0.153	-0.5	584	-3	5.67	36.1	1.0	1.02	0.04	4.75	7.61	1.35	6.14	1.37	0.69
CS 1100	1.3	0.09	-0.1	1.6	-0.01	0.4	0.191	-0.5	297	-3	2.84	13.3	0.6	0.35	0.03	2.75	6.32	0.72	2.77	0.60	0.74
CS 1200	0.6	0.12	-0.1	1.5	0.01	0.3	0.208	-0.5	396	-3	8.33	33.2	0.6	0.93	0.04	6.37	13.1	1.89	8.36	1.71	1.03
CS 1300	1.4	0.16	-0.1	0.7	0.03	0.2	0.100	-0.5	883	-3	3.58	31.5	2.0	0.85	0.07	2.91	8.04	0.89	4.47	0.85	0.72
CS 1400	1.7	0.42	-0.1	0.6	0.01	0.4	0.118	-0.5	934	-3	6.94	41.6	2.6	1.23	0.06	4.25	12.5	1.57	7.26	1.48	0.86
CS 1600	0.8	0.29	-0.1	1.0	0.02	0.4	0.185	-0.5	617	22	5.55	31.2	1.2	0.85	0.06	5.29	13.1	1.81	7.92	1.63	0.75
CS 1800	1.5	0.22	-0.1	0.8	0.02	0.2	0.126	-0.5	1320	7	5.72	49.7	2.8	1.41	0.08	5.86	16.0	1.90	7.77	1.55	0.78
CS 2000	1.6	0.12	-0.1	1.3	0.02	0.3	0.174	-0.5	777	-3	6.85	39.6	1.0	1.03	0.04	8.15	35.3	2.20	8.83	1.79	1.14
CS 2200	2.2	0.19	-0.1	1.5	0.02	0.5	0.173	-0.5	1220	-3	4.52	37.7	1.9	1.08	0.05	5.58	11.2	1.46	5.93	1.22	0.97
CS 2400	1.7	0.17	-0.1	1.2	0.02	0.3	0.214	-0.5	1100	-3	6.53	51.0	2.0	1.44	0.06	7.60	15.9	1.83	7.30	1.66	1.14
CS 2500	1.4	0.16	-0.1	1.1	-0.01	0.5	0.210	-0.5	806	-3	11.7	62.2	1.3	1.60	0.04	13.7	39.1	4.46	17.8	3.51	1.69
CS 2600	1.2	0.07	-0.1	0.9	0.01	0.3	0.161	-0.5	1080	-3	3.60	32.4	1.9	0.77	0.03	3.66	10.5	1.01	4.11	0.88	1.00
CS 2700	1.0	-0.05	-0.1	0.9	-0.01	0.3	0.143	-0.5	693	-3	4.20	30.2	1.3	0.80	0.03	4.58	9.62	1.15	4.74	0.99	0.79
CS 2800	0.7	0.29	-0.1	1.3	0.02	0.4	0.100	-0.5	800	-3	6.86	39.9	2.9	0.98	0.10	5.86	16.0	1.98	8.49	1.62	0.51
CS 2900	2.1	0.26	-0.1	1.5	0.01	0.6	0.160	-0.5	1990	-3	9.53	64.2	2.4	1.74	0.06	8.13	18.7	2.60	11.6	2.60	1.32
CS 3000	1.5	0.41	-0.1	1.0	-0.01	0.3	0.096	-0.5	917	-3	29.0	100	4.0	2.09	0.15	24.8	103	7.95	33.5	6.99	1.67
KN 00	2.2	0.06	-0.1	2.8	-0.01	0.2	0.186	-0.5	1220	-3	1.21	24.2	2.0	0.75	0.08	1.76	4.58	0.39	1.55	0.34	0.40
KN 100	1.6	0.26	-0.1	1.3	0.02	0.3	0.117	-0.5	993	-3	7.89	36.5	1.8	0.97	0.06	6.48	12.6	2.18	9.03	1.84	0.98
KN 200	1.5	0.23	-0.1	0.9	0.03	0.4	0.099	-0.5	1070	-3	6.97	30.7	1.7	0.75	0.05	5.35	8.92	1.68	7.21	1.65	0.77
KN 300	1.5	0.18	-0.1	0.7	-0.01	0.2	0.136	-0.5	722	-3	7.25	38.0	1.1	0.93	0.04	6.10	8.53	1.81	7.71	1.59	0.86
KN 400	1.8	0.24	-0.1	3.4	0.03	0.5	0.155	-0.5	749	-3	2.59	16.3	0.9	0.47	0.03	2.82	5.92	0.74	2.95	0.56	0.96
KN 500	1.7	0.18	-0.1	2.7	0.01	0.2	0.117	-0.5	1370	-3	1.42	19.9	2.1	0.47	0.05	1.58	4.36	0.38	1.49	0.32	0.24
KN 600	2.2	0.18	-0.1	1.6	0.02	0.7	0.224	-0.5	1480	28	4.77	40.3	2.5	1.07	0.08	5.02	9.89	1.22	5.14	1.11	0.94
KN 700	1.1	0.27	-0.1	1.4	0.01	-0.2	0.130	-0.5	777	-3	8.45	41.6	1.6	1.08	0.06	6.87	14.1	2.51	11.1	2.20	0.96
KN 800	1.6	0.28	-0.1	1.7	0.02	0.3	0.133	-0.5	1000	-3	11.6	38.5	1.9	1.02	0.07	9.37	19.8	3.17	14.5	2.88	1.27
KN 900	2.5	-0.05	-0.1	1.3	0.01	0.3	0.105	-0.5	2170	-3	6.82	42.2	2.7	1.20	0.08	5.10	10.2	1.64	7.00	1.55	0.96
KN 1000	2.2	0.21	-0.1	1.2	0.02	-0.2	0.134	-0.5	1160	-3	16.4	57.9	2.1	1.54	0.06	12.8	25.8	4.45	19.4	4.14	1.56
KN 1100	1.5	0.22	-0.1	1.1	0.01	0.3	0.104	-0.5	1140	-3	13.7	56.1	2.8	1.70	0.07	11.2	22.2	3.89	17.0	3.69	1.34
KN 1200	2.0	0.32	-0.1	2.6	0.02	-0.2	0.112	-0.5	1700	-3	10.9	45.6	3.0	1.45	0.10	8.04	13.7	2.76	12.5	2.63	1.20
KN 1300	2.1	0.11	-0.1	1.9	0.01	-0.2	0.117	-0.5	1590	-3	12.1	53.1	3.0	1.61	0.11	9.32	20.2	3.19	14.1	2.98	1.36
KN 1400	3.4	0.06	-0.1	4.0	0.01	0.4	0.187	-0.5	1400	-3	3.04	32.0	2.0	0.91	0.04	2.97	7.14	0.81	3.40	0.79	0.72
KN 1500	1.4	0.11	-0.1	1.8	-0.01	0.2	0.121	-0.5	2250	-3	5.80	43.4	4.4	1.30	0.08	5.74	15.7	1.60	6.98	1.49	0.69

Enzyme Leach Job #: A03-1117

Trace element values are in parts per billion

Values = 999999 are greater than the w

Enhanced Package:

Sample ID:									Lithophile Elements:								P.G.E.s:			
	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	S.Q. Li	Be	S.Q. Sc	Mn	Rb	Sr	Cs	Ba	Ru	Pd	Os	Pt
CS 00	2.02	0.28	1.69	0.32	0.86	0.13	0.96	0.13	2.7	1.8	-10	496	72.9	1460	0.22	4690	-0.5	-0.5	-0.5	-0.5
CS 100	1.11	0.23	1.14	0.21	0.60	0.11	0.68	0.10	6.6	1.8	-10	2590	62.4	1920	0.29	4250	-0.5	-0.5	-0.5	-0.5
CS 200	1.23	0.21	1.15	0.23	0.61	0.12	0.67	0.11	6.2	1.0	-10	1190	54.6	1930	0.27	2850	-0.5	-0.5	-0.5	-0.5
CS 300	0.83	0.13	0.64	0.12	0.37	0.05	0.35	0.04	5.5	0.7	-10	17200	41.6	2460	0.24	3340	-0.5	-0.5	-0.5	-0.5
CS 400	0.85	0.15	0.92	0.20	0.59	0.06	0.49	0.08	8.2	2.2	-10	23200	155.0	1040	0.44	1810	-0.5	-0.5	-0.5	-0.5
CS 500	0.53	0.12	0.57	0.11	0.35	0.04	0.35	0.04	9.4	1.0	-10	7720	39.8	1900	0.19	1960	-0.5	-0.5	-0.5	-0.5
CS 600	1.54	0.31	1.61	0.31	0.98	0.12	0.93	0.13	0.9	1.8	-10	1500	69.4	2310	0.40	4660	-0.5	-0.5	-0.5	-0.5
CS 700	0.93	0.14	0.87	0.16	0.45	0.08	0.57	0.06	1.2	2.9	-10	2120	63.9	1560	0.28	4330	-0.5	-0.5	-0.5	-0.5
CS 800	0.85	0.16	0.82	0.16	0.50	0.08	0.48	0.07	3.4	1.2	-10	873	56.9	2150	0.39	3590	-0.5	-0.5	-0.5	-0.5
CS 900	0.84	0.15	0.82	0.15	0.42	0.05	0.53	0.06	1.7	1.1	-10	6580	89.8	2750	0.54	3720	-0.5	-0.5	-0.5	-0.5
CS 1000	1.03	0.22	1.19	0.19	0.62	0.09	0.67	0.08	0.9	0.9	-10	3170	81.7	3530	0.33	2160	-0.5	-0.5	-0.5	-0.5
CS 1100	0.59	0.11	0.49	0.10	0.32	0.05	0.30	0.05	1.3	2.0	-10	702	70.5	1300	0.35	3270	-0.5	-0.5	-0.5	-0.5
CS 1200	1.57	0.27	1.64	0.32	0.98	0.13	1.12	0.18	2.1	2.2	-10	1350	71.4	2000	0.29	3080	-0.5	-0.5	-0.5	-0.5
CS 1300	0.76	0.11	0.72	0.15	0.41	0.07	0.54	0.06	8.6	0.9	-10	2570	59.3	1900	0.41	2800	-0.5	-0.5	-0.5	-0.5
CS 1400	1.32	0.22	1.38	0.27	0.81	0.11	0.89	0.13	22.3	0.9	-10	1090	31.2	1800	0.27	2290	-0.5	-0.5	-0.5	-0.5
CS 1600	1.39	0.23	1.19	0.23	0.67	0.08	0.68	0.10	10.9	1.0	-10	693	61.6	1570	0.28	1990	-0.5	-0.5	-0.5	-0.5
CS 1800	1.32	0.26	1.35	0.25	0.68	0.10	0.92	0.09	11.9	1.7	-10	3230	27.8	2030	0.22	2080	-0.5	-0.5	-0.5	-0.5
CS 2000	1.59	0.25	1.49	0.26	0.77	0.11	0.89	0.09	4.9	1.6	-10	1780	56.7	2620	0.37	4030	0.6	-0.5	-0.5	-0.5
CS 2200	1.06	0.20	0.99	0.21	0.63	0.07	0.57	0.07	2.5	1.3	-10	1210	62.2	2480	0.49	3470	-0.5	-0.5	-0.5	-0.5
CS 2400	1.33	0.27	1.39	0.24	0.65	0.11	0.62	0.12	7.3	2.7	-10	1670	61.9	2570	0.36	4790	-0.5	-0.5	-0.5	-0.5
CS 2500	2.91	0.44	2.66	0.43	1.46	0.18	1.48	0.20	3.8	2.6	-10	1190	67.0	2470	0.37	4010	-0.5	-0.5	-0.5	-0.5
CS 2600	0.78	0.14	0.76	0.13	0.47	0.06	0.42	0.07	8.0	1.5	-10	1790	48.3	2110	0.29	4580	-0.5	-0.5	-0.5	-0.5
CS 2700	0.93	0.15	0.91	0.16	0.54	0.07	0.42	0.06	-0.5	1.9	-10	232	57.6	1940	0.32	3060	-0.5	-0.5	-0.5	-0.5
CS 2800	1.45	0.24	1.28	0.27	0.82	0.12	0.86	0.13	59.5	0.5	-10	2940	23.8	1430	0.26	642	-0.5	-0.5	-0.5	-0.5
CS 2900	2.20	0.34	2.07	0.41	1.33	0.15	1.36	0.18	20.9	2.0	-10	1440	98.5	1980	0.50	3800	-0.5	-0.5	-0.5	-0.5
CS 3000	6.05	0.98	5.34	1.03	3.09	0.42	3.01	0.46	57.8	1.6	-10	3790	21.7	1190	0.25	543	-0.5	-0.5	-0.5	-0.5
KN 00	0.35	0.05	0.22	0.06	0.11	0.02	0.14	0.01	11.6	1.2	-10	6200	52.6	1610	0.24	2240	-0.5	-0.5	-0.5	-0.5
KN 100	1.68	0.27	1.79	0.33	1.03	0.13	0.89	0.15	7.9	1.2	-10	1660	49.8	1680	0.34	2810	-0.5	-0.5	-0.5	-0.5
KN 200	1.27	0.25	1.49	0.30	0.82	0.10	0.78	0.12	2.4	0.9	-10	912	53.9	2470	0.25	2180	-0.5	-0.5	-0.5	-0.5
KN 300	1.39	0.26	1.71	0.29	0.87	0.10	0.75	0.11	-0.5	1.2	-10	1240	53.6	2480	0.37	2200	-0.5	-0.5	-0.5	-0.5
KN 400	0.70	0.11	0.62	0.12	0.31	0.05	0.24	0.03	3.8	2.2	-10	7630	75.6	1570	0.40	4030	-0.5	-0.5	-0.5	-0.5
KN 500	0.40	0.07	0.33	0.06	0.15	0.03	0.11	0.02	3.0	0.2	-10	3890	36.2	2910	0.25	923	0.7	-0.5	-0.5	-0.5
KN 600	0.95	0.17	1.09	0.21	0.59	0.09	0.57	0.09	35.0	1.8	-10	2000	89.4	3100	0.68	3540	-0.5	-0.5	-0.5	-0.5
KN 700	2.03	0.33	1.79	0.34	1.00	0.14	1.05	0.15	5.5	1.5	-10	1680	43.2	1520	0.40	2310	-0.5	-0.5	-0.5	-0.5
KN 800	2.61	0.42	2.01	0.45	1.30	0.20	1.23	0.19	5.4	1.6	-10	2120	55.8	2180	0.38	2710	-0.5	-0.5	-0.5	-0.5
KN 900	1.31	0.23	1.39	0.28	0.83	0.13	0.77	0.12	14.4	1.8	-10	412	55.9	2390	0.48	2920	-0.5	-0.5	-0.5	-0.5
KN 1000	3.65	0.59	3.50	0.65	1.98	0.27	1.78	0.30	5.2	2.0	-10	897	52.3	1980	0.42	2770	-0.5	-0.5	-0.5	-0.5
KN 1100	2.86	0.54	2.65	0.53	1.47	0.19	1.35	0.21	6.4	2.6	-10	3900	33.0	1860	0.34	2140	-0.5	-0.5	-0.5	-0.5
KN 1200	2.31	0.46	2.21	0.45	1.20	0.19	1.25	0.19	9.2	1.3	-10	10900	23.3	2000	0.32	2870	-0.5	-0.5	-0.5	-0.5
KN 1300	2.73	0.45	2.41	0.48	1.52	0.22	1.37	0.19	5.9	2.1	-10	3360	44.6	2050	0.38	3100	-0.5	-0.5	-0.5	-0.5
KN 1400	0.64	0.12	0.94	0.13	0.38	0.05	0.34	0.06	5.7	1.9	-10	7100	89.3	2370	0.37	3030	-0.5	-0.5	-0.5	-0.5
KN 1500	1.44	0.19	1.24	0.24	0.65	0.09	0.73	0.07	1.9	2.2	-10	2410	64.4	2920	0.49	2120	-0.5	-0.5	-0.5	-0.5

Gregory T. Hill
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775-849-2135, hillgregt@aol.com

29 July 2003

Herb Wahl
Exploration Geologist
RR-10 1416 Ocean Beach Espl.
Gibsons, B.C.
Canada V0N 1V3

Dear Herb,

I have reviewed the Enzyme Leach data from the two traverses you completed at your Kosac project, Lines CS and KN. The base maps provide a good frame of reference from which to interpret the geochemical results. Several profiles are attached in which elements are normalized and grouped so that they can be displayed together. An Excel spreadsheet containing all profiles is also included.

A distinctive oxidation anomaly is present at Kosac and is best developed near the center of Line CS. Although base metals values are generally quite low within this project, a few samples contain higher values. These maxima (196 ppb Cu, 584 ppb Zn) are near the thresholds of Cu and Zn ranges that either indicate or appear to indicate mineralized zones on your other properties. Almost all of the anomalous Cu and Zn values occur along Line CS whereas these values are mostly absent on Line KN. Also, the patterns that indicate the presence of an oxidation anomaly are well developed and quite recognizable along Line CS but are very poorly developed and subtle along Line KN. On both traverses, the oxidation anomaly is centered several hundred meters east of the mapped axis of a north-trending magnetic anomaly. The results of this survey were compared with sample types shown on the base map. No correspondence was found except that a few lithophile elements appear to yield slightly different background values depending on sample type. The oxidation anomaly patterns are not controlled by differences in sample type.

Line CS

Weak Cu and Pb peaks are present near the center of the anomaly, but higher-contrast base metals peaks occur toward the ends of each line. However, these metals responses, by themselves, do not adequately define an oxidation anomaly.

Most of the oxidation suite elements are distributed into the oxidation anomaly and are clearly zoned and nested. A plot of V, Mo, Re, and Au (normalized to their means) illustrates the zoning and nesting and the extent of the anomaly as seen on this traverse. For example, Mo and Au form peaks at the center of the anomaly (sample CS1600). These are surrounded by a narrow V halo, which in turn is surrounded by a Re halo. Just outside this inner Re halo, Au forms a halo and a weak V halo may also be present. The zoning continues to the bounds of the traverse where all four of these (and many other) elements show evidence of distal halos. It is likely that the anomaly extends beyond the limits of sampling.


The lithophile elements, metals, HFSE, and REE are also zoned within the oxidation anomaly although their responses are generally more subtle. Some of these element patterns suggest the presence of depletions, but there are not enough data points to recognize this with confidence.

Additional soil sampling near Line CS is recommended to better define this oxidation anomaly. Assuming that additional soil results bolster the anomaly, follow-up drill testing is recommended to test the subsurface target centered beneath CS1600. The relatively low trace element responses here, including base metals, do not necessarily reflect low concentrations in the subsurface. Rather, they could indicate relatively deep burial compared to other projects in the area to which these results are compared.

Line KN

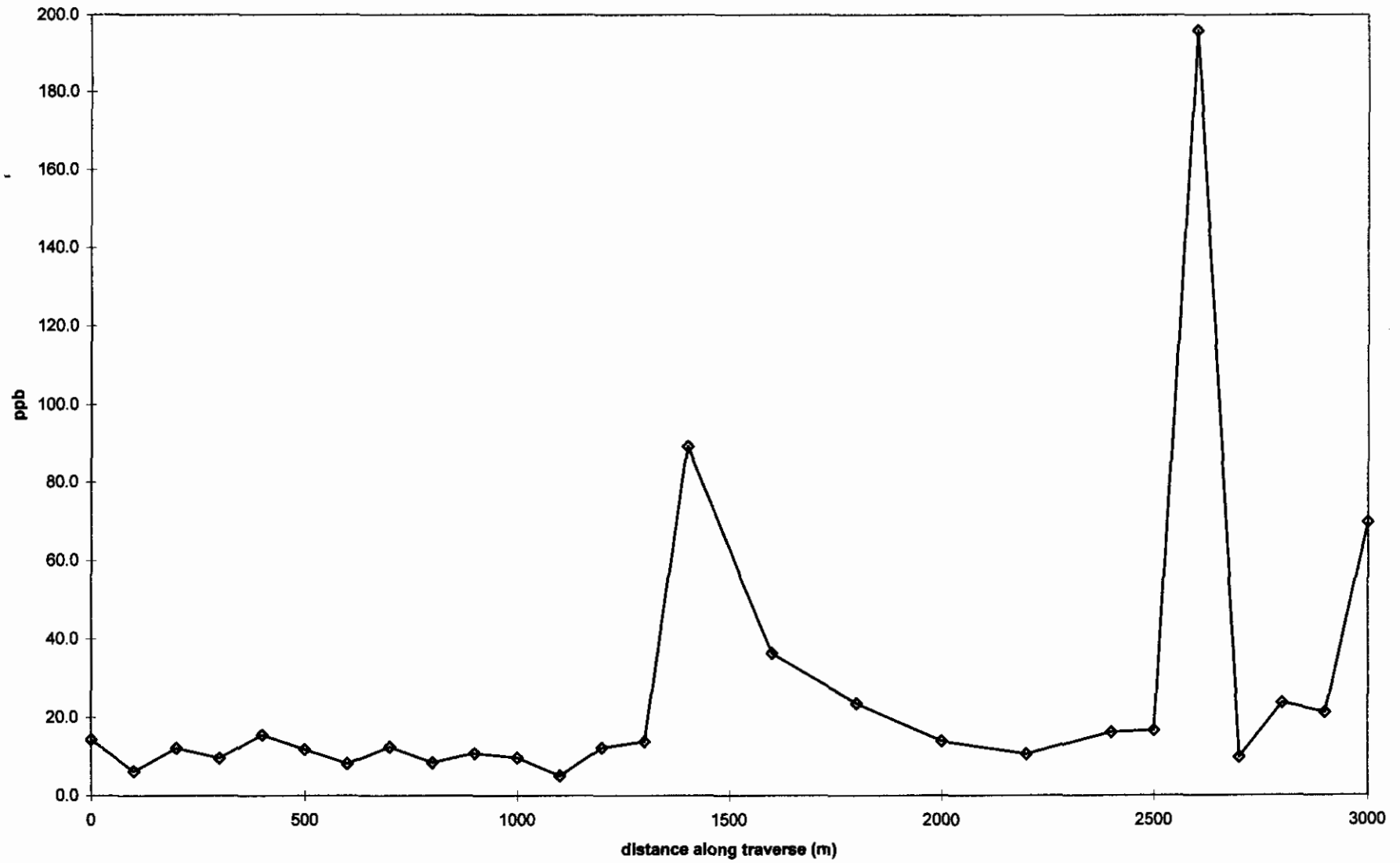
Using the same elements that illustrate the anomaly along Line CS, it is difficult to recognize coherent patterns along Line KN. With the exception of one high-contrast Zn spike, the base metals are at background levels. Nonetheless, a very subtle oxidation anomaly appears to be present but is very poorly defined. Therefore, these results suggest that Line KN is not prospective. However, it is common to see breaks within an oxidation anomaly and so this area should not be entirely ruled out based on the results of this traverse alone. Additional soil sampling may be warranted, but is assigned a lower priority than follow-up near Line CS.

Sincerely,

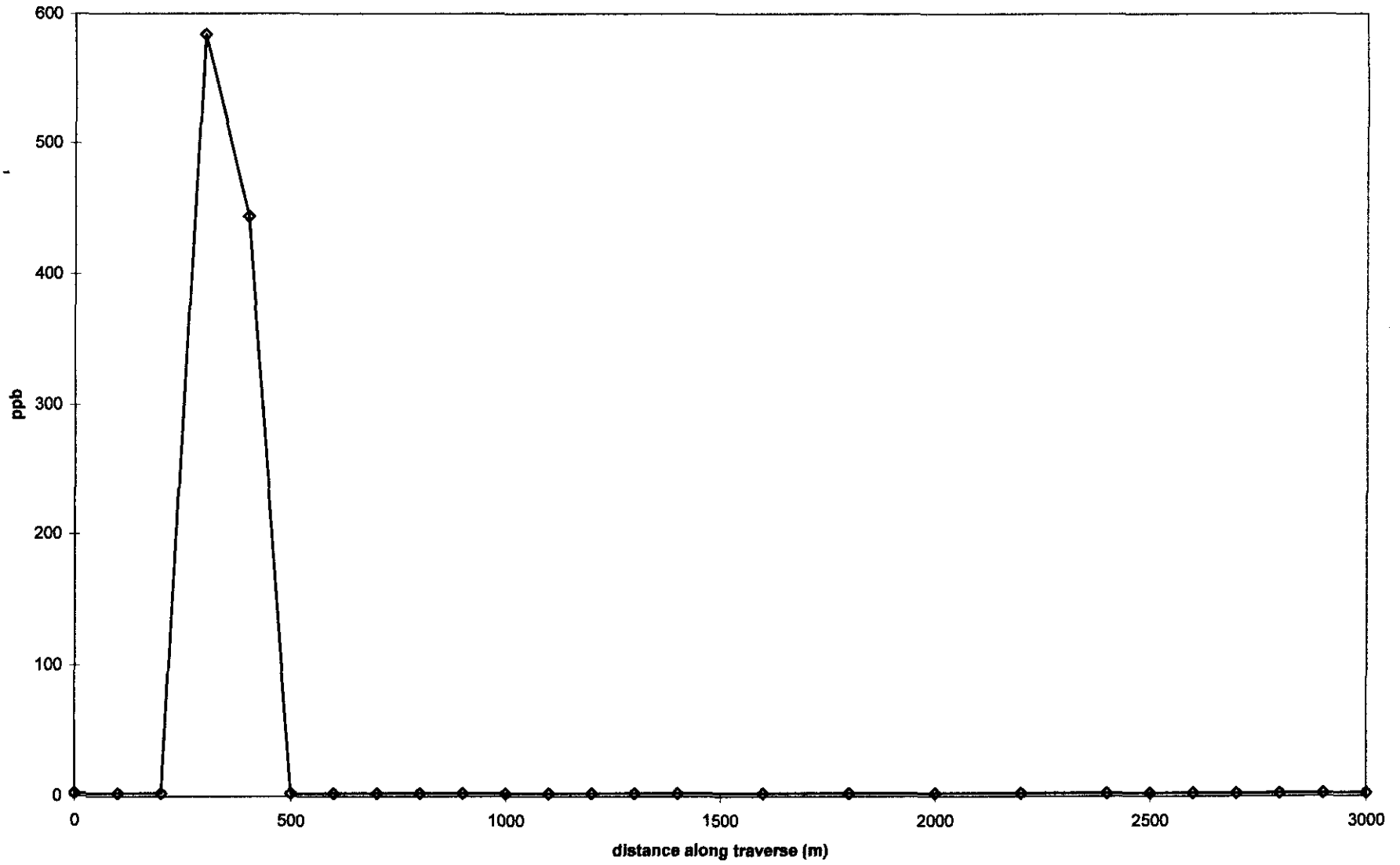


Gregory T. Hill
Geologist/Geochemist

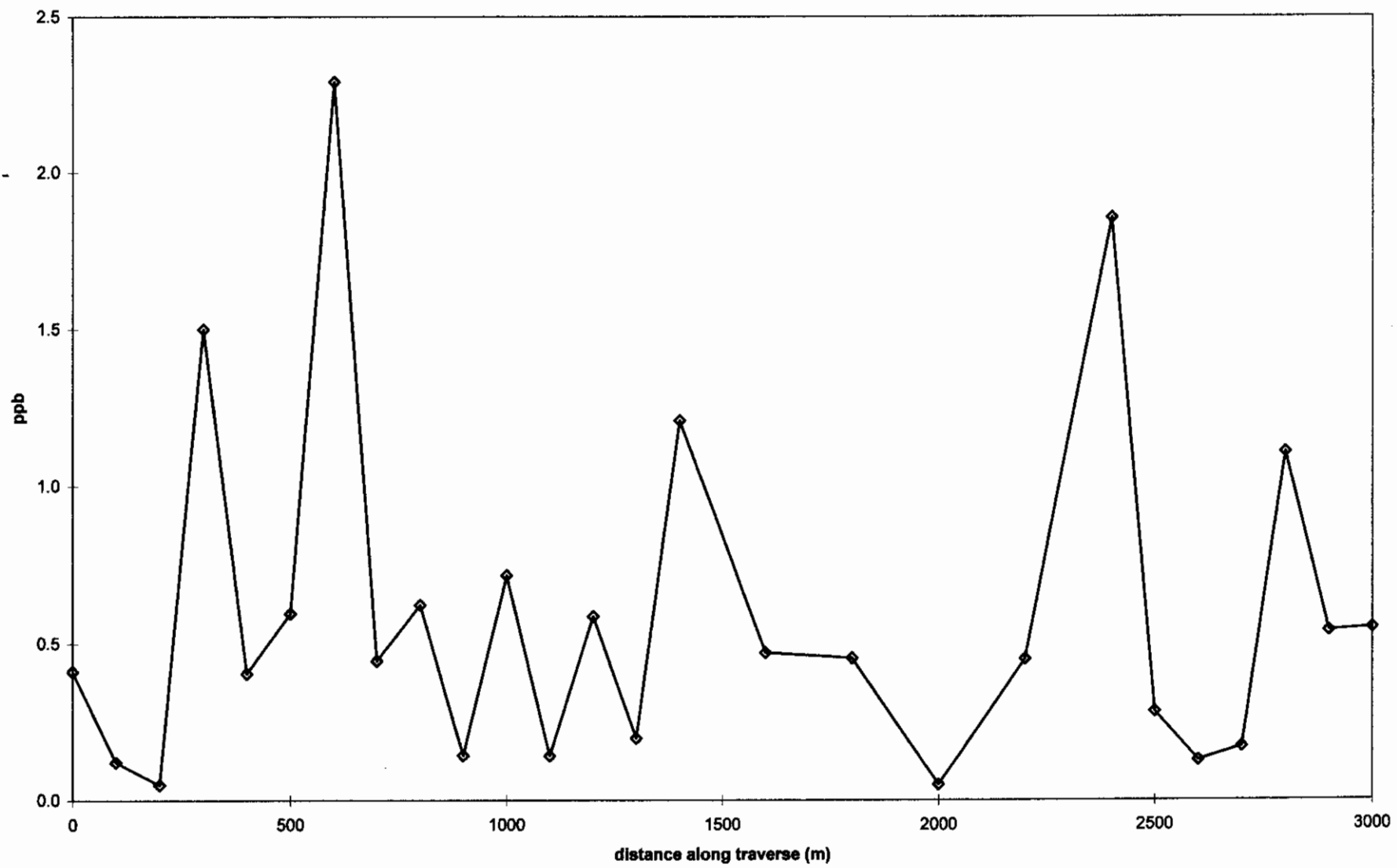
Kosac Project - Line CS Copper (Enzyme Leach)



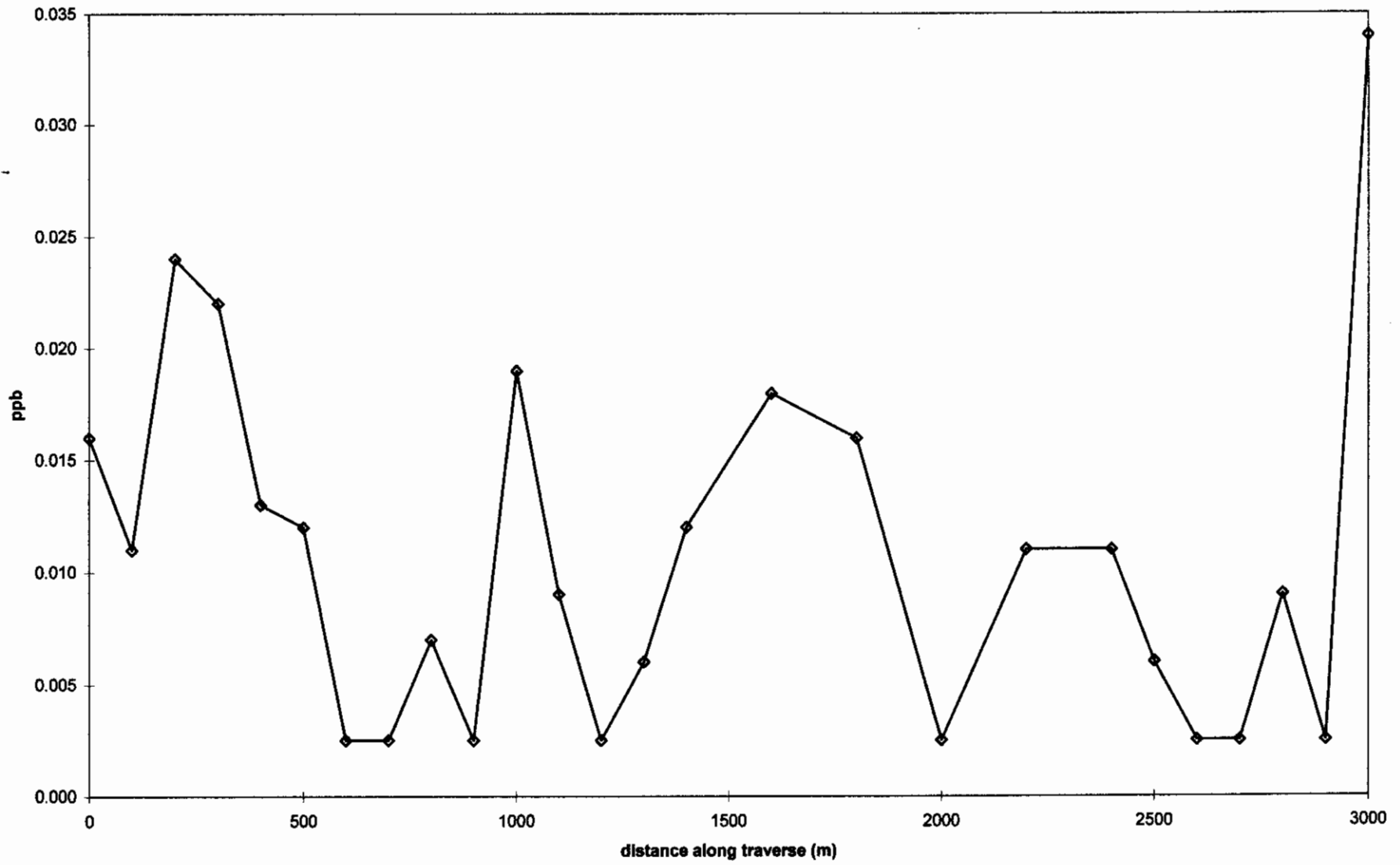
Kosac Project - Line CS - Zinc (Enzyme Leach)



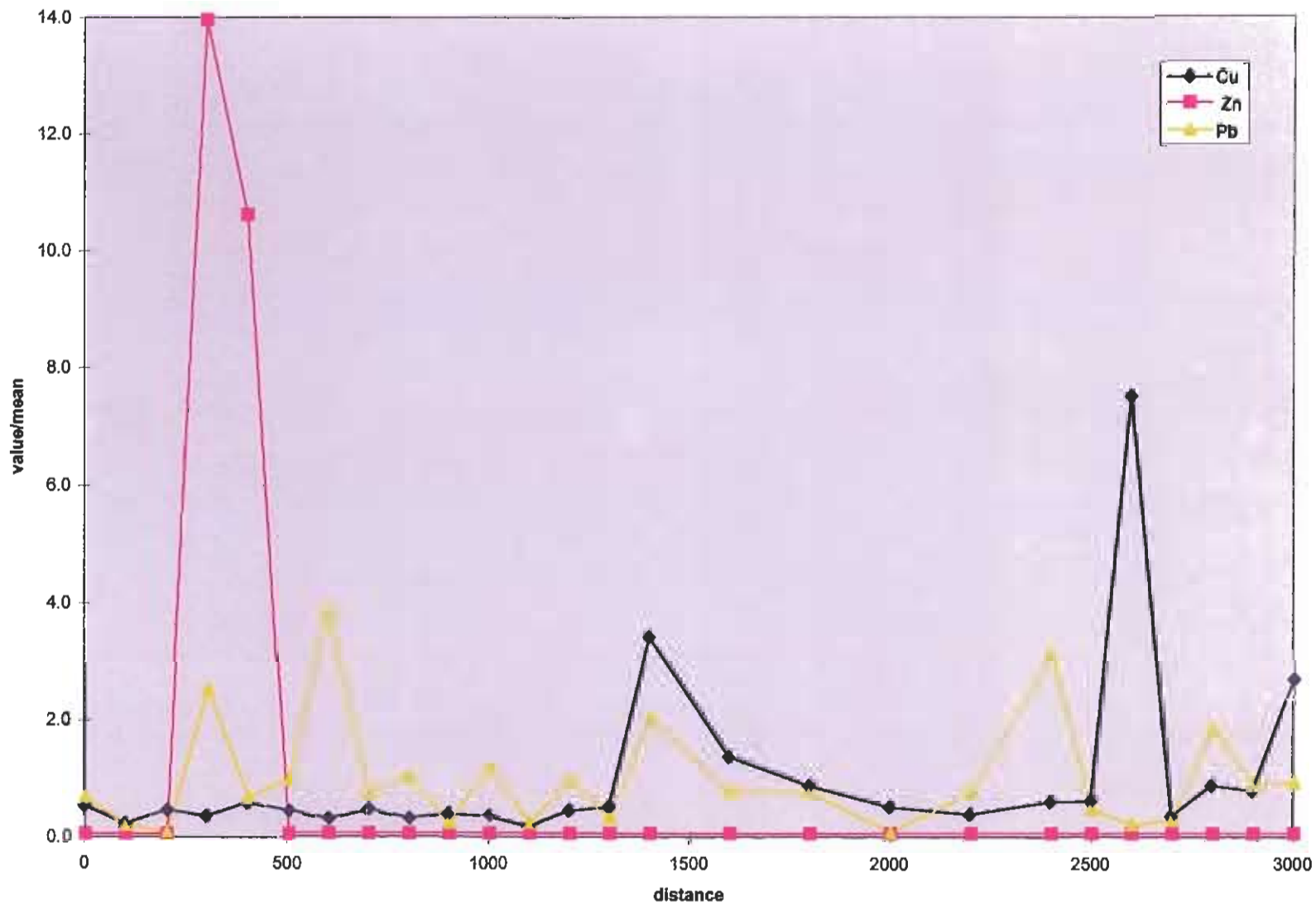
Kosac Project - Line CS - Lead (Enzyme Leach)



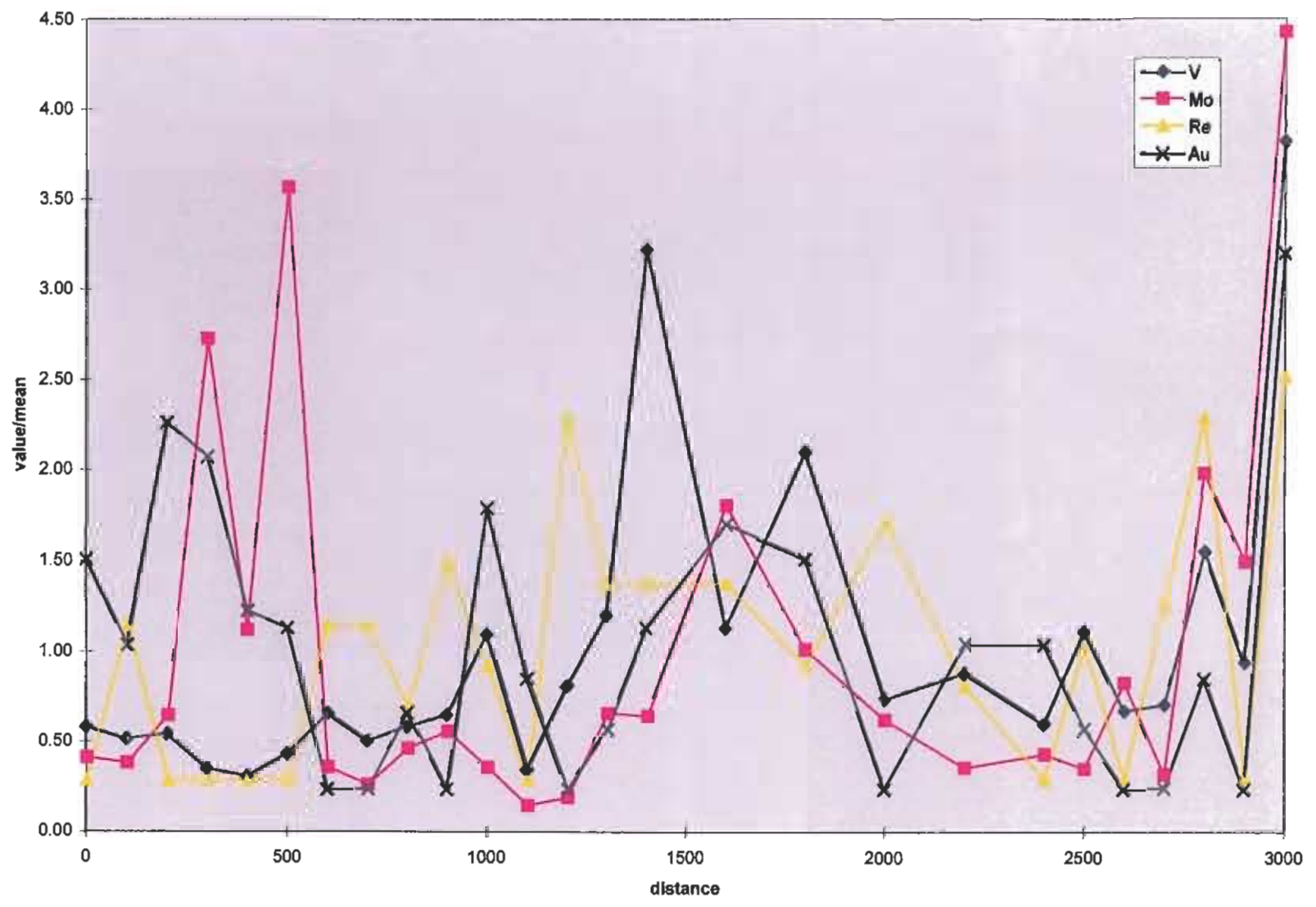
Kosac Project - Line CS - Gold (Enzyme Leach)



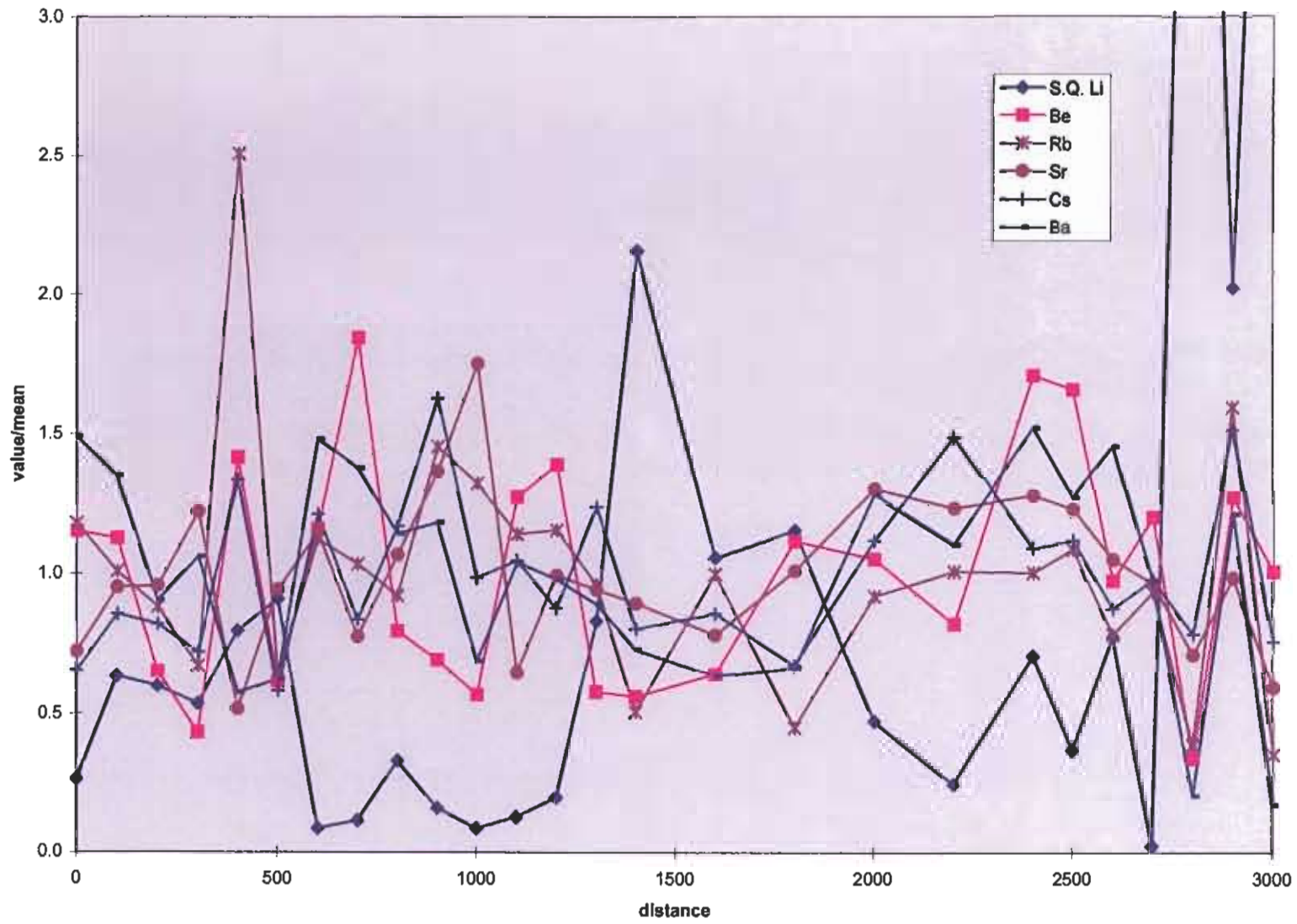
Kosac Project - Line CS - Normalized to Mean - Base Metals



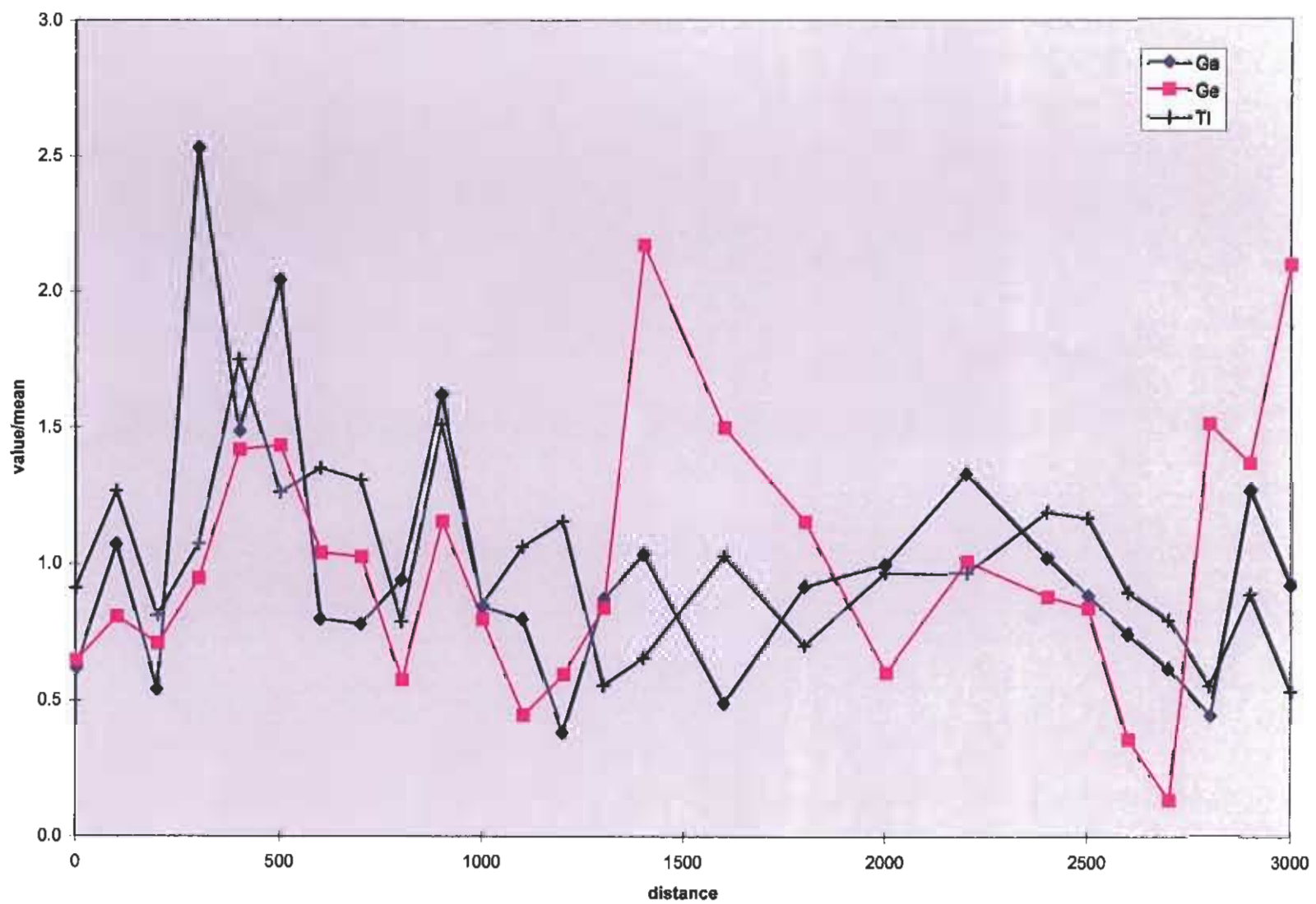
Kosac Project Line CS - Normalized to mean - Selected Ox. Ste. Elements



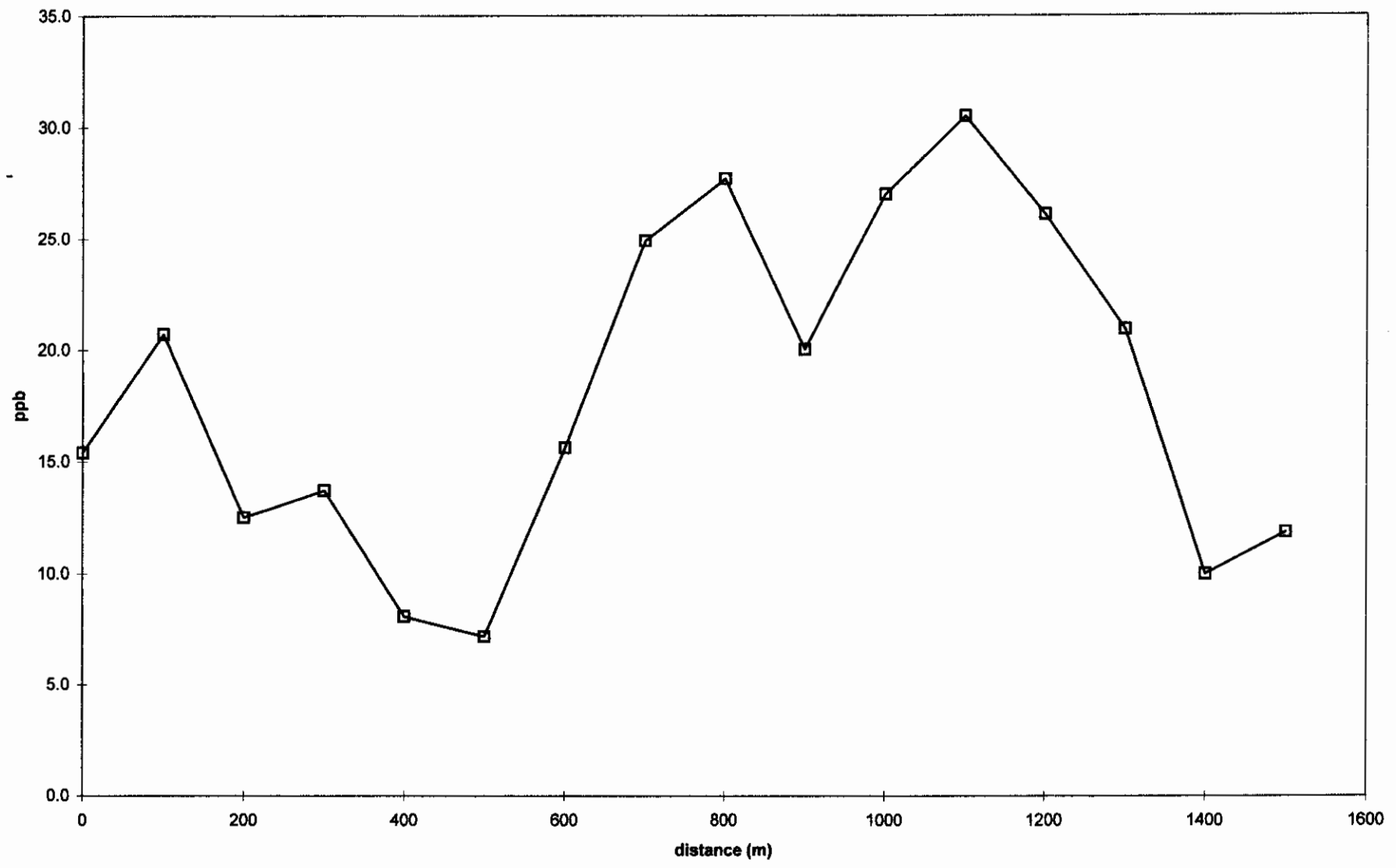
Kosac Project - Line CS - Normalized to Mean - Lithophile Elements



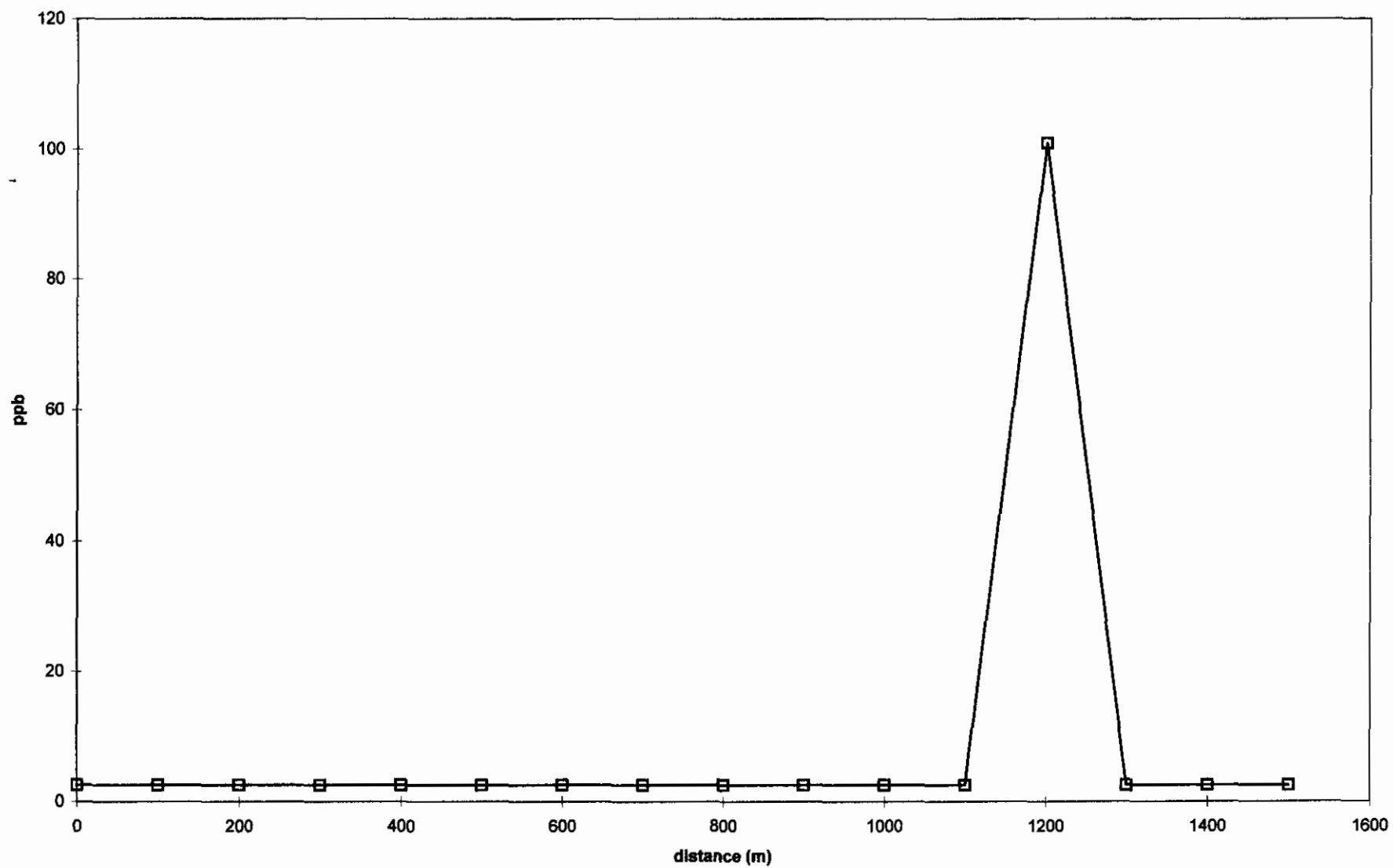
Kosac Project - Line CS - Normalized to Mean - Selected Metals



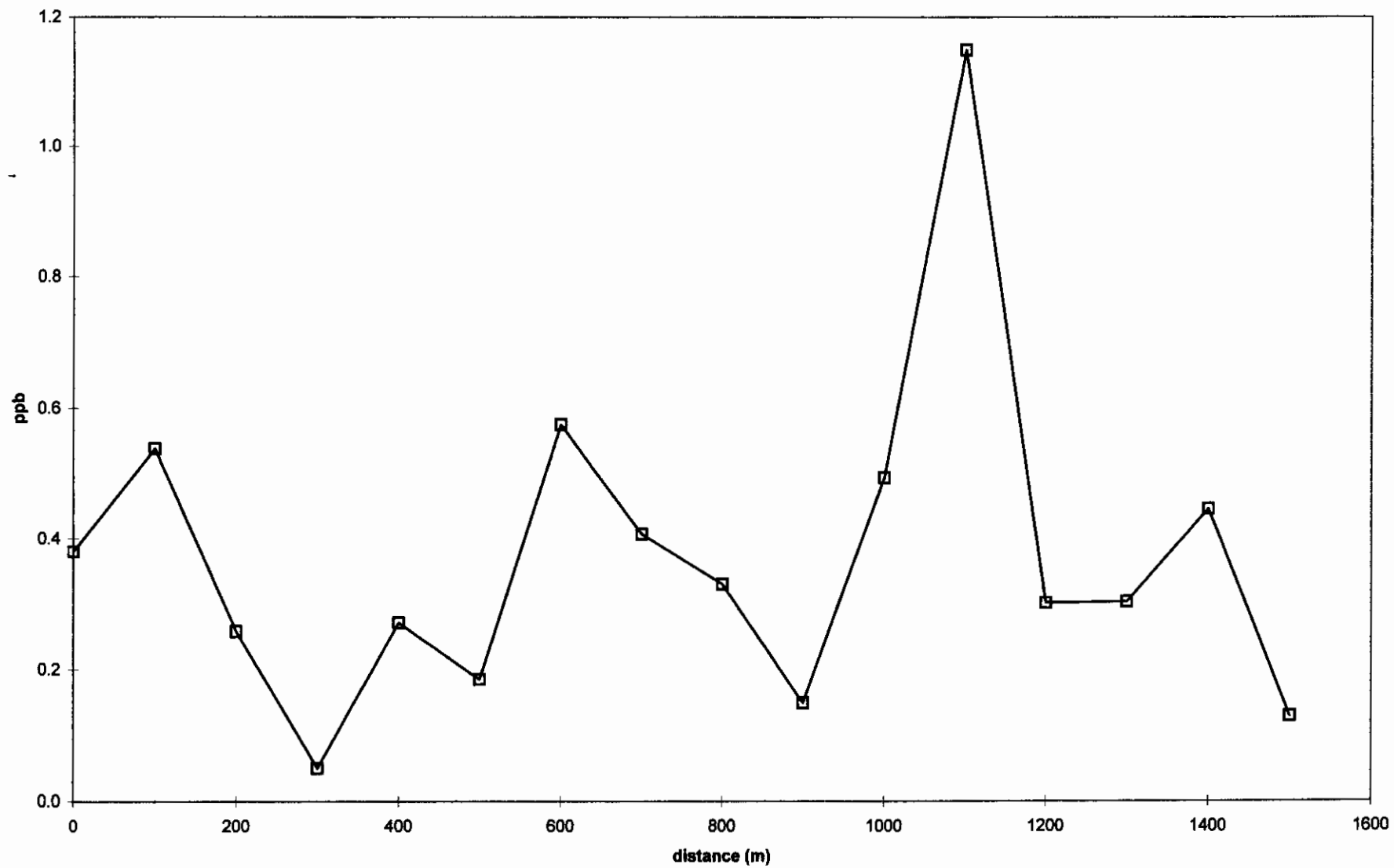
Kosac Project - Line KN - Copper (Enzyme Leach)



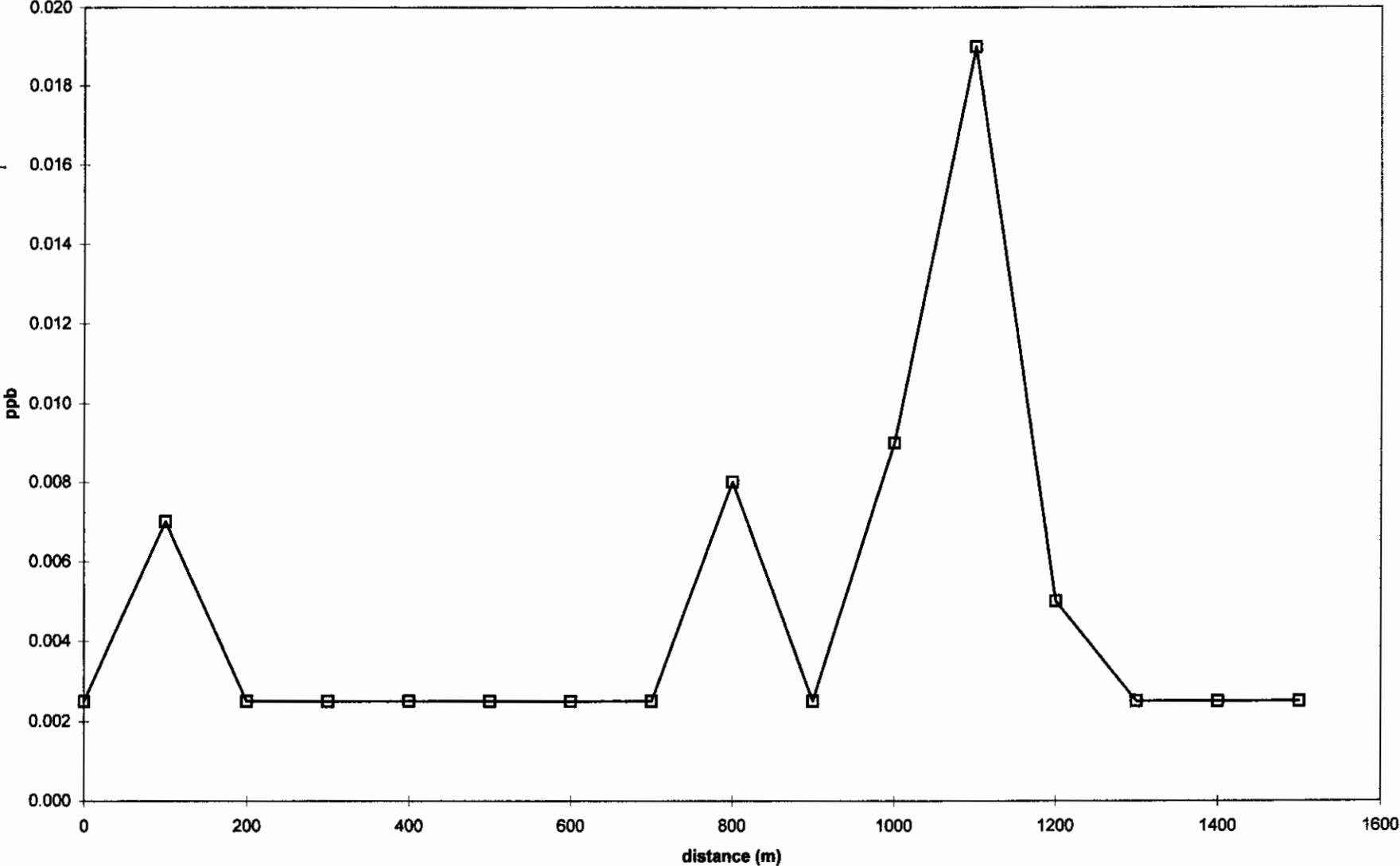
Kosac Project - Line KN - Zinc (Enzyme Leach)



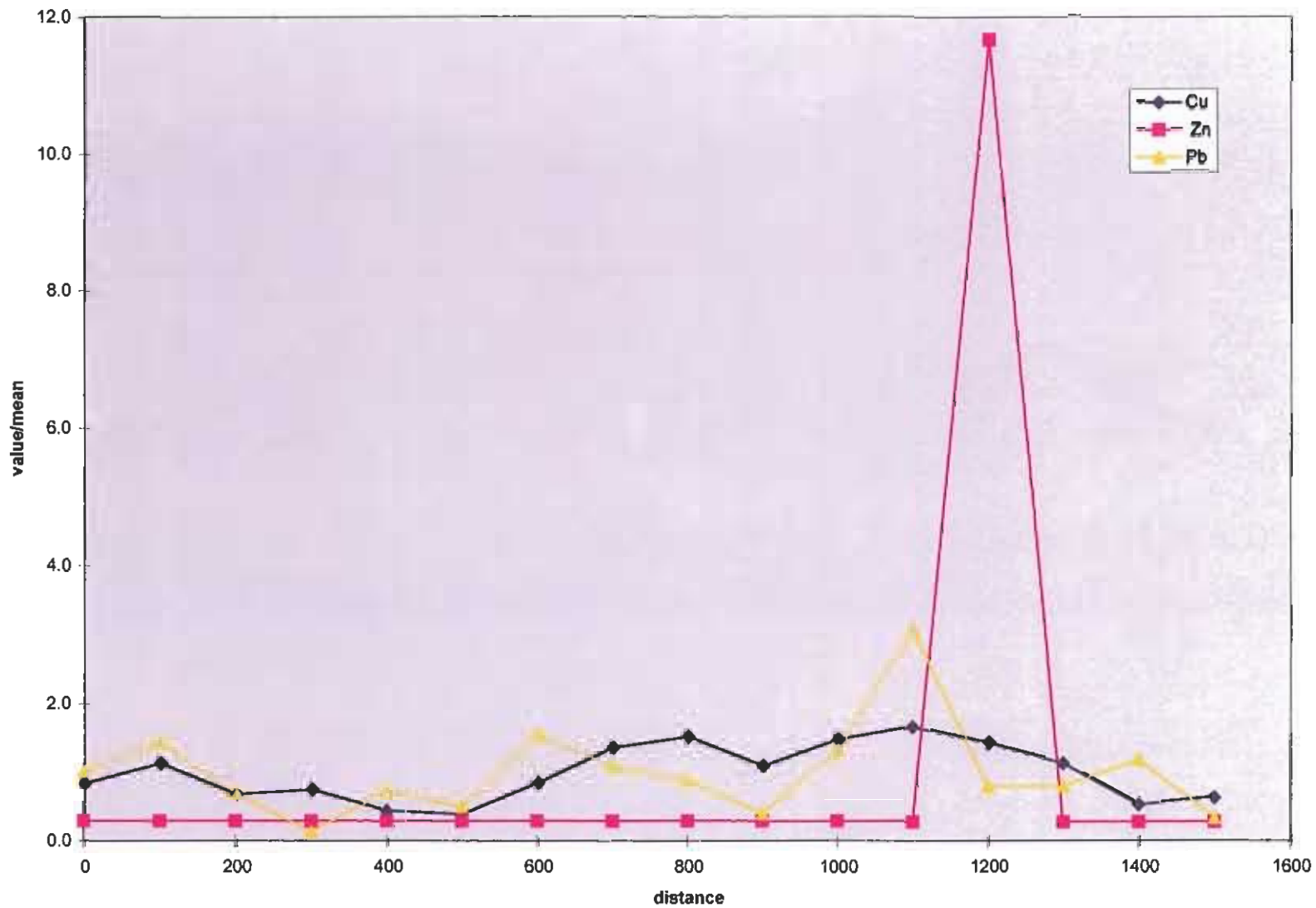
Kosac Project - Line KN - Lead (Enzyme Leach)



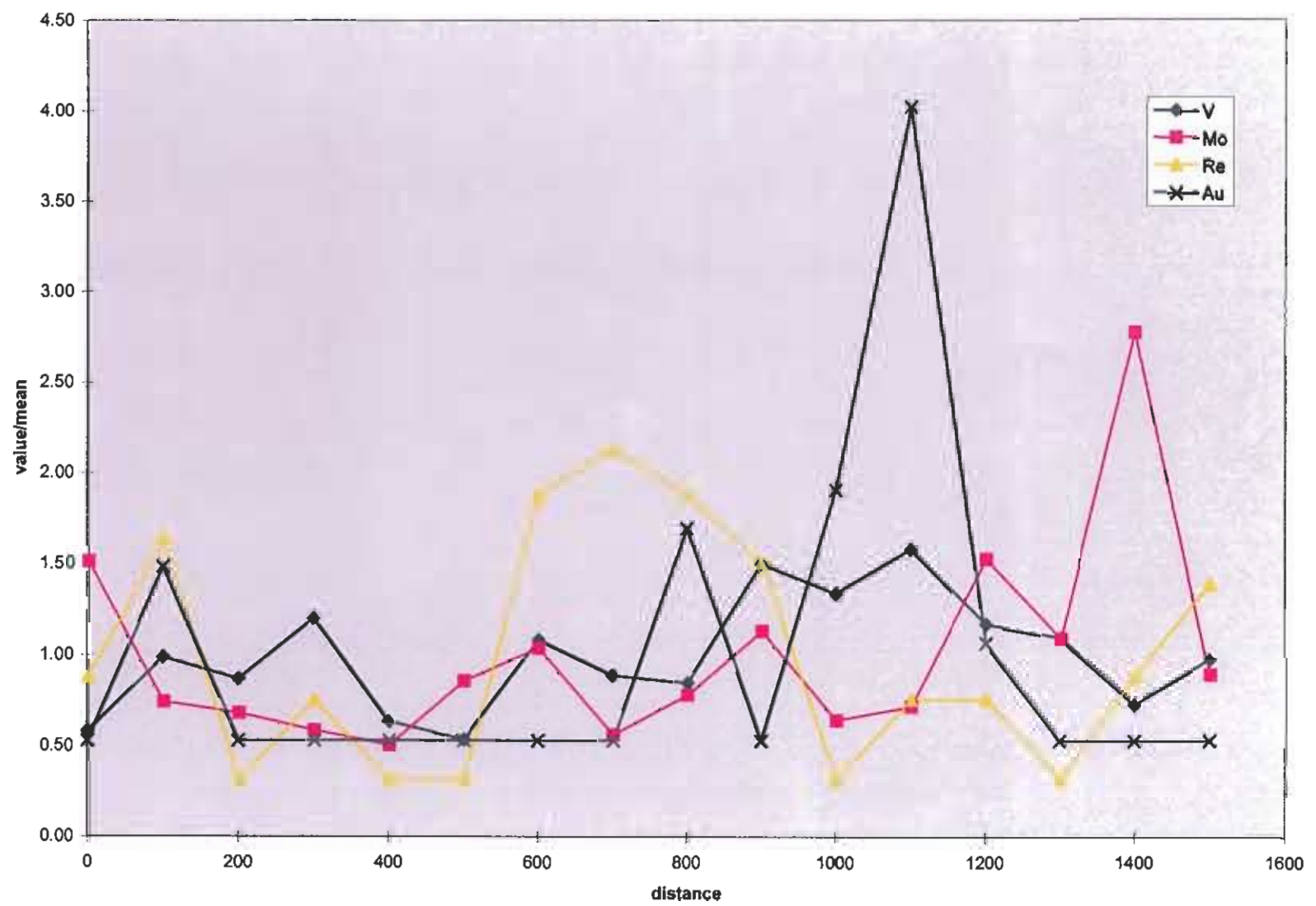
Kosac Project - Line KN - Gold (Enzyme Leach)



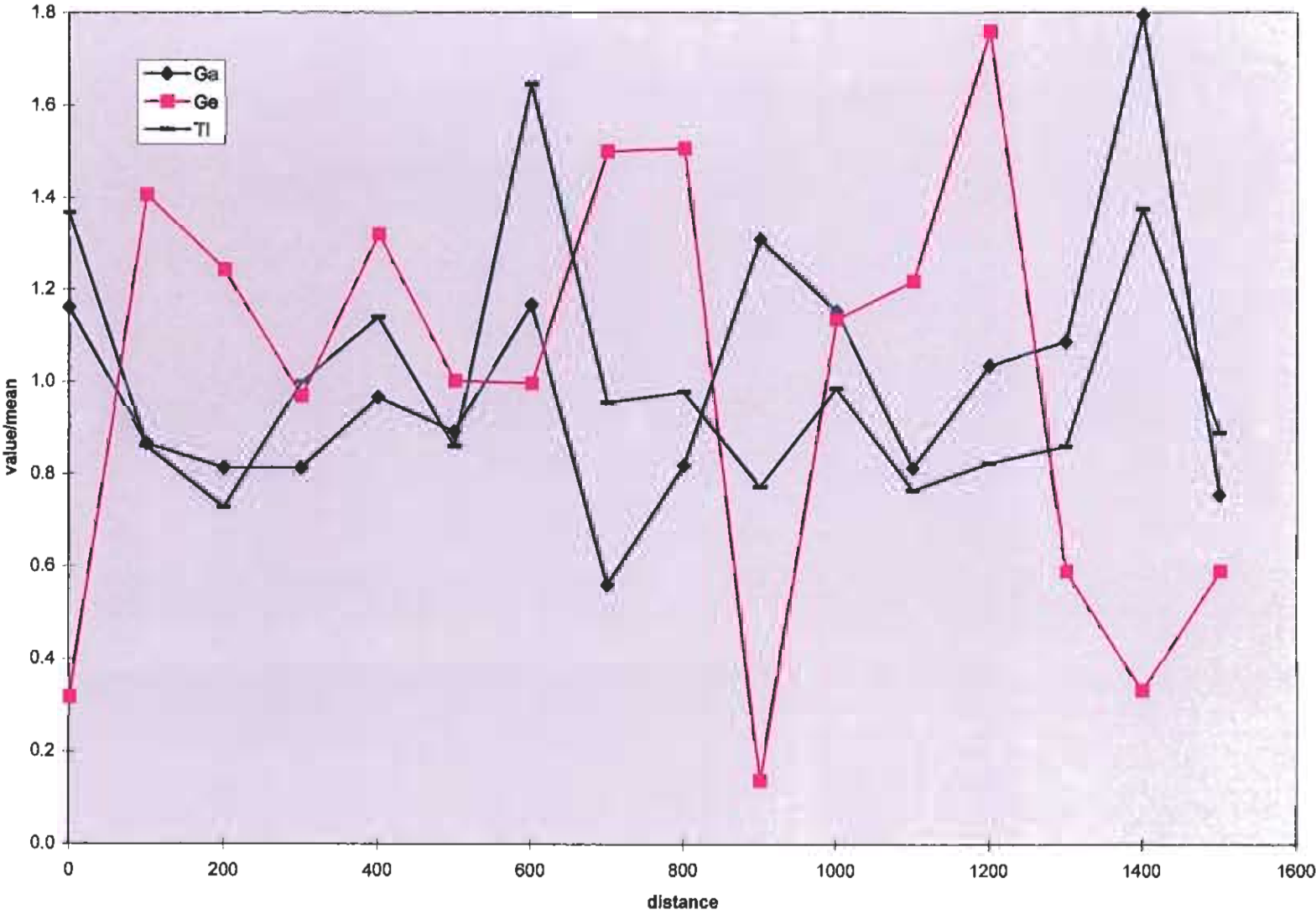
Kosac Project - Line KN - Normalized to Mean - Base Metals



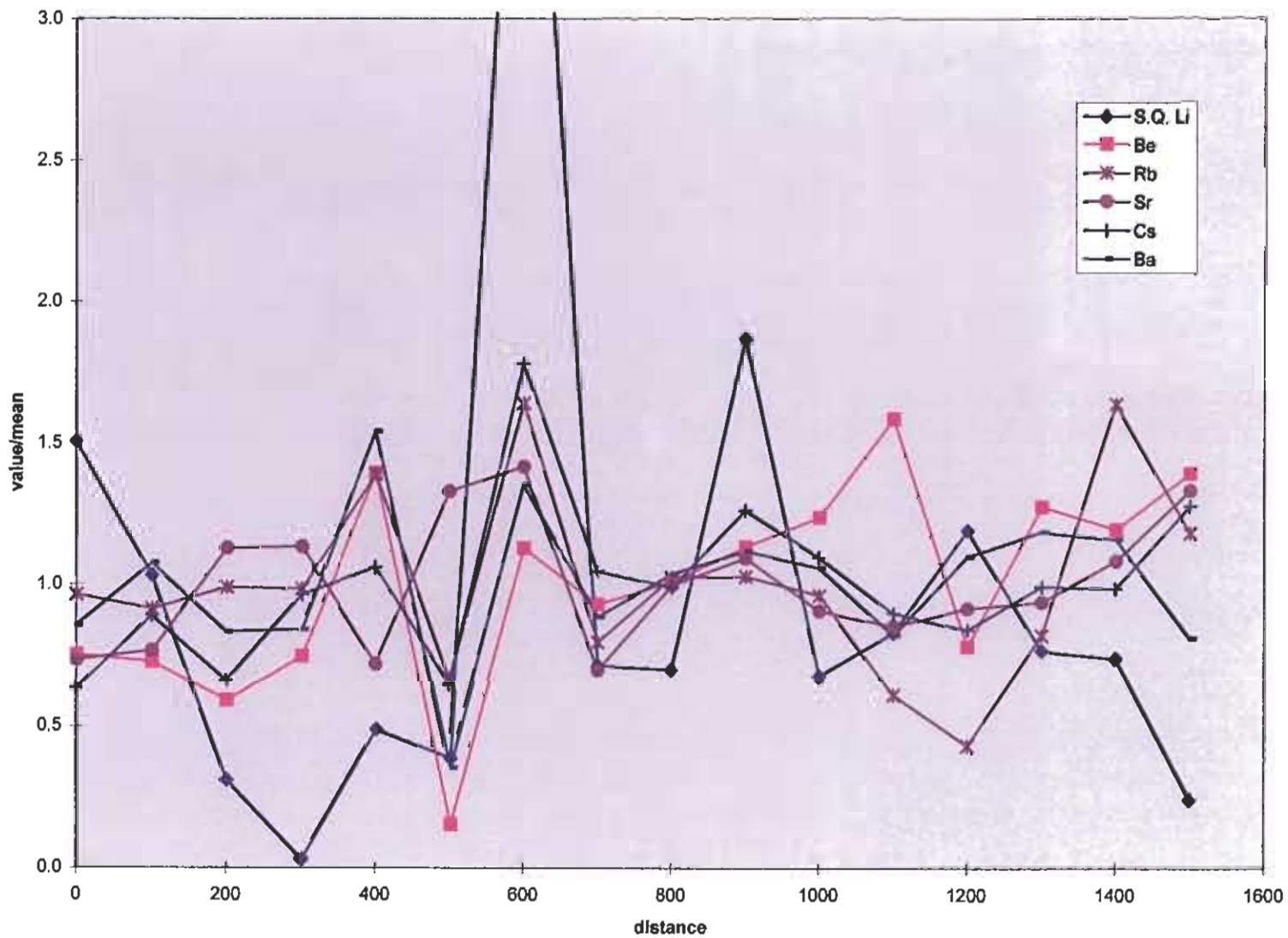
Kosac Project - Line KN - Normalized to Mean - Selected Ox. Ste. Elements



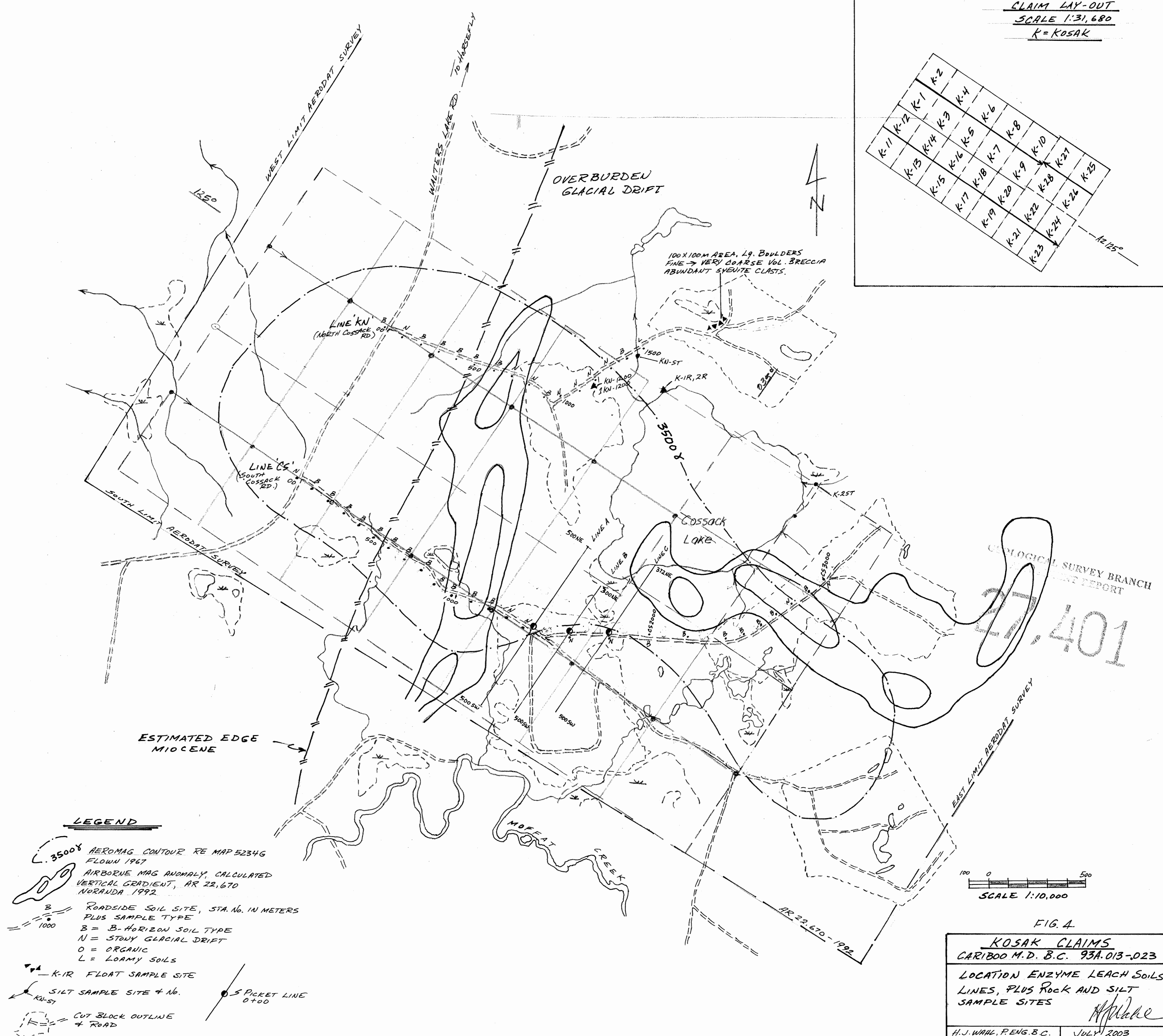
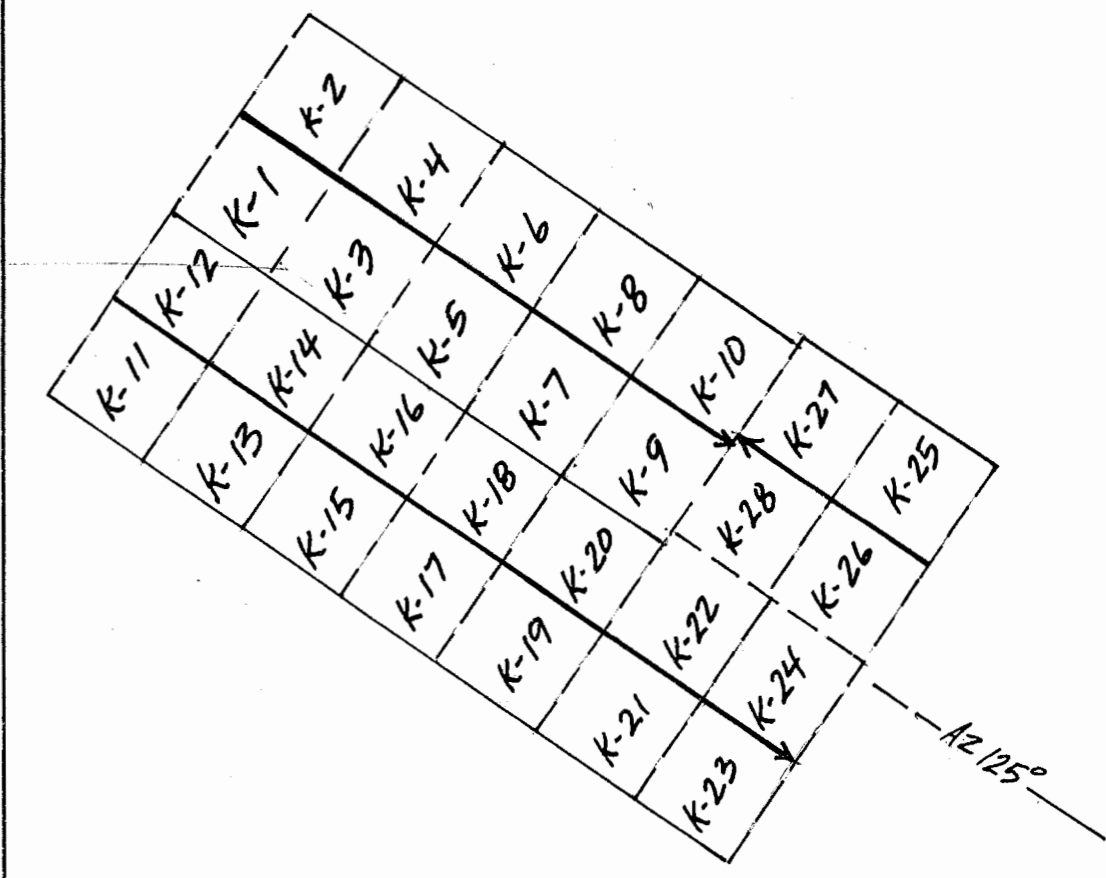
Kosac Project - Line KN - Normalized to Mean - Selected Metals



Kosac Project - Line KN - Normalized to Mean - Lithophile Elements



CLAIM LAY-OUT
SCALE 1:31,680
K = KOSAK



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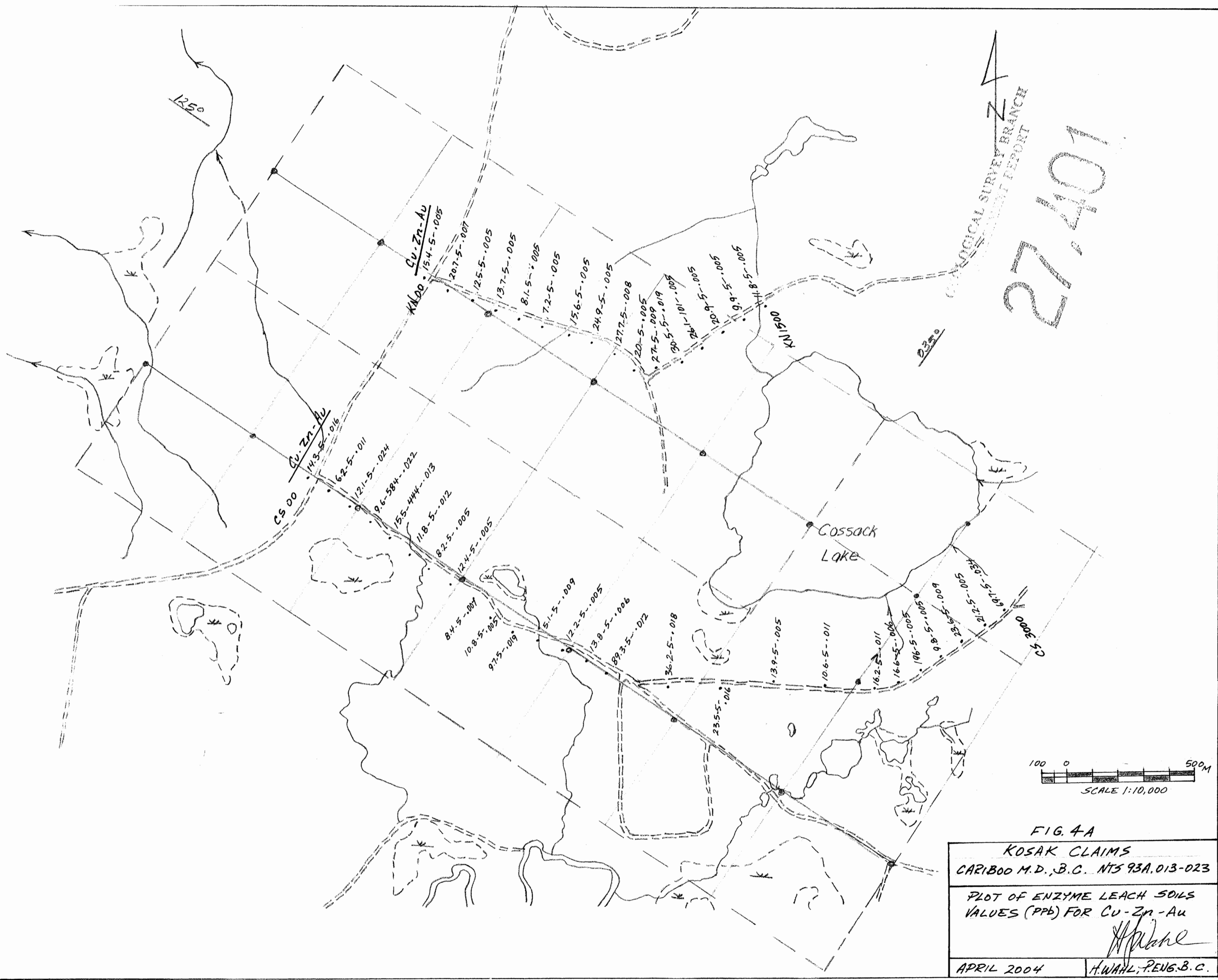
SCALE 1:10,000

LEGEND

- 3500 AEROMAG CONTOUR RE MAP 52346 FLOWN 1967
- AIRBORNE MAG ANOMALY, CALCULATED VERTICAL GRADIENT, AR 22,670 NORANDA 1992
- B ROADSIDE SOIL SITE, STA. No. IN METERS PLUS SAMPLE TYPE
- 1000 B = B-HORIZON SOIL TYPE
- N = STONY GLACIAL DRIFT
- O = ORGANIC
- L = LOAMY SOILS
- K-1R FLOAT SAMPLE SITE
- KA-ST SILT SAMPLE SITE # No.
- 5 PICKET LINE 0+00
- CUT BLOCK OUTLINE + ROAD

FIG. 4

KOSAK CLAIMS
CARIBOO M.D. B.C. 93A.013-023
LOCATION ENZYME LEACH SOILS LINES, PLUS ROCK AND SILT SAMPLE SITES
H. J. Wahl
H.J. WAHL, P.ENG. B.C. JULY 2003



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FIG. 4A
 KOSAK CLAIMS
 CARIBOO M.D., B.C. NTS 93A.013-023
 PLOT OF ENZYME LEACH SOILS
 VALUES (PPB) FOR CU-Zn-Au
 H. WAHL
 APRIL 2004 H. WAHL, PENG. B.C.