ARIS SUMMARY SHEET

District Geologist, Victoria   Off Confidential: 90.04.13

ASSESSMENT REPORT 18659   MINING DIVISION: Nanaimo

PROPERTY:	Rainier			
LOCATION:	LAT	50 19 30	LONG	127 15 30
	UTM	09 5575998	623977	
	NTS	092L06W		
CLAIM(S):	Rainier 1-4			
OPERATOR(S):	Taywin Res.			
AUTHOR(S):	Clarke, T.			
REPORT YEAR:	1989, 39 Pages			
COMMODITIES SEARCHED FOR:	Zinc			
KEYWORDS:	Jurassic,Parson Bay Formation,Argillite,Shale,Limestone,Diorite Monzonite,Sphalerite,Galena			
WORK DONE:	Geochemical			
	SOIL 196 sample(s) ;ME			
MINFILE:	092L 058			

REPORT ON

SOIL GEOCHEMICAL AND PRELIMINARY GEOLOGICAL SURVEYS on the **RAINIER 1 - 4 CLAIMS**

near Port McNeill, Northern
Vancouver Island, B.C.

Nanaimo Mining Division
NTS Map Area 92L/6
Latitude 50° 19.5' N
Longitude 127° 15.5' W

Owned by: Taywin Resources Ltd.
and J.W. Laird
Operated by: Taywin Resources Ltd.

Prepared by:
Tiro Clarke, B.Sc. (Geology)

Submitted:
February 28th, 1989

TABLE OF CONTENTS

FIGURES

SUMMARY AND RECOMMENDATIONS

The Rainier 1-4 claims comprising the Rainier Group are located in the Nanaimo Mining Division, approximately claims cover part of the Rainier Creek valley.

The group totals 4 units, staked and recorded in June of 1988; they are owned by Taywin Resources Ltd. and J.W. Laird, and are operated by Taywin Resources Ltd.

The Rainier Group is underlain by Quatsino Formation limestones, Parson Bay Formation argillites and carbonaceous limestones, and Island Intrusion diorites. Greenstone bodies are ubiquitous on the property.

A 30cm+ thick stratabound Zn (sphalerite) showing, containing 42.08% Zn has been located on the Rainier 2 claim. Float and subcrop talus bearing sphalerite, galena, chalcopyrite, pyrrhotite, and pyrite have also been located on the Rainier Group. Soil geochemical survey results indicate strong Zn anomalies associated with above normal values of Ag, Pb, Co, and Ni. Co-occurring anomalies of Cu and Au have also been identified.

It is recommended that both the Zn-Ag-Pb-Ni-Co and Cu- Au anomaly groups be trenched. Controls and constraints of mineralizaton revealed by trenching will then provide information and a focus for geological mapping.

INTRODUCTION

Location and Access

The Rainier Group is located in northern Vancouver Island, approximately 30 km SSW of Port McNeill:

Latitude 50° 10.5' N,
Longitude 127° 15.5' W
NTS Map Area 92 L/6
Nanaimo Mining Division

The Rainier Group straddles the Rainier Creek valley, approximately 1.5 km below the headwaters of Rainier Creek. Several small streams run through the group and into Rainier Creek.

The valley is moderately steep and is currently being logged.

Property Description

The Rainier Group consists of 4 claims totalling 4 units as follows:

Rainier 1:	1 unit; record No. 2989, recorded June 14, 1988.
Rainier 2:	1 unit; record No. 2990, recorded June 14, 1988.
Rainier 3:	1 unit; record No. 2991, recorded June 14, 1988.
Rainier 4:	1 unit; record No. 2992, recorded June 14, 1988.

The claims are owned by Taywin Resources Ltd. and prospector J.W. Laird. Taywin Resources Ltd. is the operator of the property.

The claims were staked by J. Laird in June of 1988, on the basis of previously reported mineral showings, as well as a stratabound sphalerite showing and other mineralized float located during reconnaissance prospecting.

Summary of Work Performed

Between October 11th and 14th, 1988, the following work was done on the Rainier Group:

1. Soil geochemicl survey: Two men spent 4 days collecting soil samples from a grid; all samples were later analyzed for 30 element ICP and geochemical Au. A total of 5 line kilometres were established.
2. Prospecting: One man spent 2 days prospecting along logging roads and Rainier Creek.
3. Reconnaissance geological mapping: One man spent one-half day establishing major geological features of the Rainier Group.

TECHNICAL DATA AND INTERPRETATION

Regional Geology (Figure 2)

The northern Vancouver Island area is underlain by a comformable sequence comprised of, from oldest to youngest, Karmutsen Formation basalts, Quatsino Formation limestones, Parson Bay Formation sediments and carbonates, and Bononza Formation andesitic to rhyolitic volcanics.

The Bonanza volcanics are Early Jurassic; Karmutsen, Quatsino, and Parson Bay Formations are all Late Triassic. Intruding the sequence are Middle Jurassic quartz diorites and quartz monzonites of the Island Intrusion[1]. Basalt, feldspar porphyry, and greenstone intrusions are also present in the Rainier Creek area. Their ages are unknown, although the greenstones appear to be most recent.

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1. Muller, J.E., Northcote, K.E., and Carlisle, D., 1974. Geology and Mineral Deposits of Alert Bay-Cape Scott Map Area, Vancouver Island, British Columbia: Geol. Surv. Can. Paper 74-8.

Several skarn deposits exist in the region, generally hosted by Karmutsen and Quatsino rocks near intrusion-country rock contacts. The most significant are the Merry Widow and Kingfisher deposits which have a combined production of over 3.7 million tons of iron ore, and the Old Sport Mine, which has produced over 2 million tons of predominantly Cu ore, with some Au.

Group Geology

A half day reconnaissance geological examination of the Rainier Group was made. Much of the group is underlain by black argillites, shales, and carbonaceous limestones belonging to the Parson Bay Formation. The northwestern part of the group is underlain by locally bleached Quatsino Formation limestones. In the southwestern region of the group is a diorite(?) intrusion.

The Rainier Group is extensively intruded by greenstone dykes and sills, as well as altered green diorite. Float of more felsic intrusive material was found, but no outcrops were located.

A major northeast trending fault extends down at least part of the Rainier Creek valley. Another lesser northwest trending fault crosses the valley in the Rainier 2 claim.

Known mineralization on the Rainier Group consists of a stratabound sphalerite showing on the Rainier 2 claim. In addition, magnetite boulders have been found near the intrusive contact in the western region of the group. Float containing pyrite, sphalerite, galena, pyrrhotite, and chalcopyrite has also been found in the Rainier Creek and along logging roads in the Rainier valley (J. Laird, pers. comm.).

Soil Collection and Preparation

A total of 195 soil samples were collected at 25m intervals along 11 lines on the grid. Nine of the these lines were oriented north-south at 100m intervals; the remaining two lines were oriented east-west, spaced 250m apart in the southwest quadrant of the Rainier Group (Figure 4). The baseline was measured with a hand chain, while all other lines were measured with hip chains. Sample locations were marked with pink and orange flagging tape. Soil samples were collected from the "B" soil horizon and bagged in standard kraft paper envelopes.

All samples were submitted to Acme Analytical Laboratories Ltd., of Vancouver, B.C. Sample preparation involved drying at 60 degrees c and sieving through -80 mesh. Each sample was analyzed for 30 element ICP and geochemical Au acording to the procedure detailed at the beginning of Appendix I.

Description of Results

Complete 30 element ICP and Au atomic absorption results for the Rainier geochemical survey are presented in Appendix I. Statistical analysis for the elements Zn, Ag, Pb, Cu, and Au are presented in Appendix II. Grid plots and anomaly interpretations for these elements are shown in Figures 4 to 8, and 9 to 13, respectively. Contoured anomaly interpretations are based upon the first three standard deviations from the geochemical mean of each element.

Zn values range from 29ppm to 2814ppm. Anomalous values (>521 ppm) are mostly from the southwestern slope of the Rainier valley, in the northern third of the Rainier 1 and southern half of the Rainier 2 claims. Ag anomalies (>0.5 ppm) and Pb anomalies (>37 ppm), as well as low level Ni and Co anomalies, have distributions similar to those of Zn, occurring mostly on the southwestern slopes of Rainier valley.

Cu and Au geochemical values range from 5 to 339 ppm, and 1 to 81 ppb, respectively. Anomalous values of Cu (> 99 ppm) and Au (> 16 ppb) have analogous distributions, occurring almost exclusively on the northwestern slopes of Rainier valley.

Discussion and Recommendations

Soil geochemistry indicates two distinct types of mineralization, the more significant being a Zn-Ag-Pb-Ni-Co association which is best defined by Zn distribution (Figure 9). Although the located Zn (sphalerite) showing is on the northwest slope of Rainier valley (Figure 2, sample #6152), the bulk of anomalous Zn, Ag, and Pb soil geochemical values occurring in the bottom, and on the southeast slopes of the valley. Preliminary observations indicate that the mineralization is stratabound and at least 30cm thick. The second type of mineralization revealed by soil geochemistry is a Cu-Au association. The presence of chalcopyrite in nearby float indicates that this may be the mineral primarily responsible for these Cu-Au geochemical anomalies. Potential Cu-Au mineralization may occur as a result of greenstone intrusion/extrusion activity within the Parson Bay, and possibly Quatsion Formations.

Two surface exploration phases are recommended. The first phase involves trenching over the Zn-Ag-Pb-Ni-Co and Cu-Au anomaly groups in order to examine controls and constraints on the two types of mineralization. The second phase, geological mapping, will establish the Rainier Group geology and provide information concerning the distribution and extent of potentially mineralized areas. Information gained from trenching will serve to focus geological mapping and further prospecting. Further work, such as diamond drilling, is contingent upon the results of trenching and mapping.

ITEMIZED COST STATEMENT

WAGES

James Laird - Prospector, Project Manager Oct 12/13, 1988 - 2 days 2 days @ $200.00 per day	$ 400.00
Rennie Dickinson - Soil Sampler Oct. 11/12/13/14, 1988 - 4 days 4 days @ $100.00 per day	$ 400.00
Alexander Von Kersell - Soil Sampler Oct. 11/12/13/14, 1988 - 4 days 4 days @ $100.00 per day	$ 400.00
Tiro Clarke - Geologist Fieldwork: Oct 9, 1988 - 1/2 day 1/2 day @ $165.00 per day	$ 82.50
Report preparation: Jan. 16/17/19(1/2 day)/24(1/2)/ 25(1/2)/30/ Feb.1/6 - 6 days 6 days @ $90.00 per day	$ 540.00
TOTAL WAGES	$1,822.50

MEALS AND ACCOMODATIONS

Food	$ 180.10
Accomodations	$ 43.21
Camp Equipment Rental Oct 11/12/13/14, 1988 - 4 days 4 days @ $10.00 per day	$ 40.00
TOTAL MEALS AND ACCOMODATIONS	$ 263.31

TRANSPORTATION

4 X 4 truck rental from R. Dickinson	
Oct 11/12/13/14 - 4 days	
4 days @ $35.00 per day	$ 140.00
Mileage: 150 km's @ $ .10 per km	$ 15.00
4 x 4 truck rental from J. Laird	
Oct 12/13, 1988 - 2 days	
2 days @ $35.00 per day	$ 70.00
Mileage: 370 km's @ $ .10 per km	$ 37.00
Gas	$ 95.23
TOTAL TRANSPORTATION	$ 357.23

SAMPLE PREPARATION AND ANALYSIS

195 x 30 element ICP analysis @ $6.25 per sample	$1,218.75
195 x geochemical Au analysis @ $4.50 per sample	$ 877.50
195 x soil sample preparation @ $ .85 per sample	$ 165.75
Statistical Analysis	$ 50.00
TOTAL SAMPLE PREPARATION AND ANALYSIS	$2,312.00
TOTAL OF RAINIER GROUP EXPENSES	$4,755.04

Respectfully Submitted,

Tiro Clarke
B.Sc., Geology

DECLARATION OF TIRO CLARKE, B.Sc. Geology:

I, Tiro Clarke of #215 - 651 Moberley Road, Vancouver, British Columbia, V5Z 4B2 declare:

1. I am a geologist, presently residing at the above address.

2. I am a graduate of Geological Sciences from the University of British Columbia, in 1988, with a Bachelor of Science (Hon.) degree.

3. I have practiced geology since graduation.

4. This report is based upon a geochemical survey, and a one-half day reconnaissance geological examination of the Rainier Group.

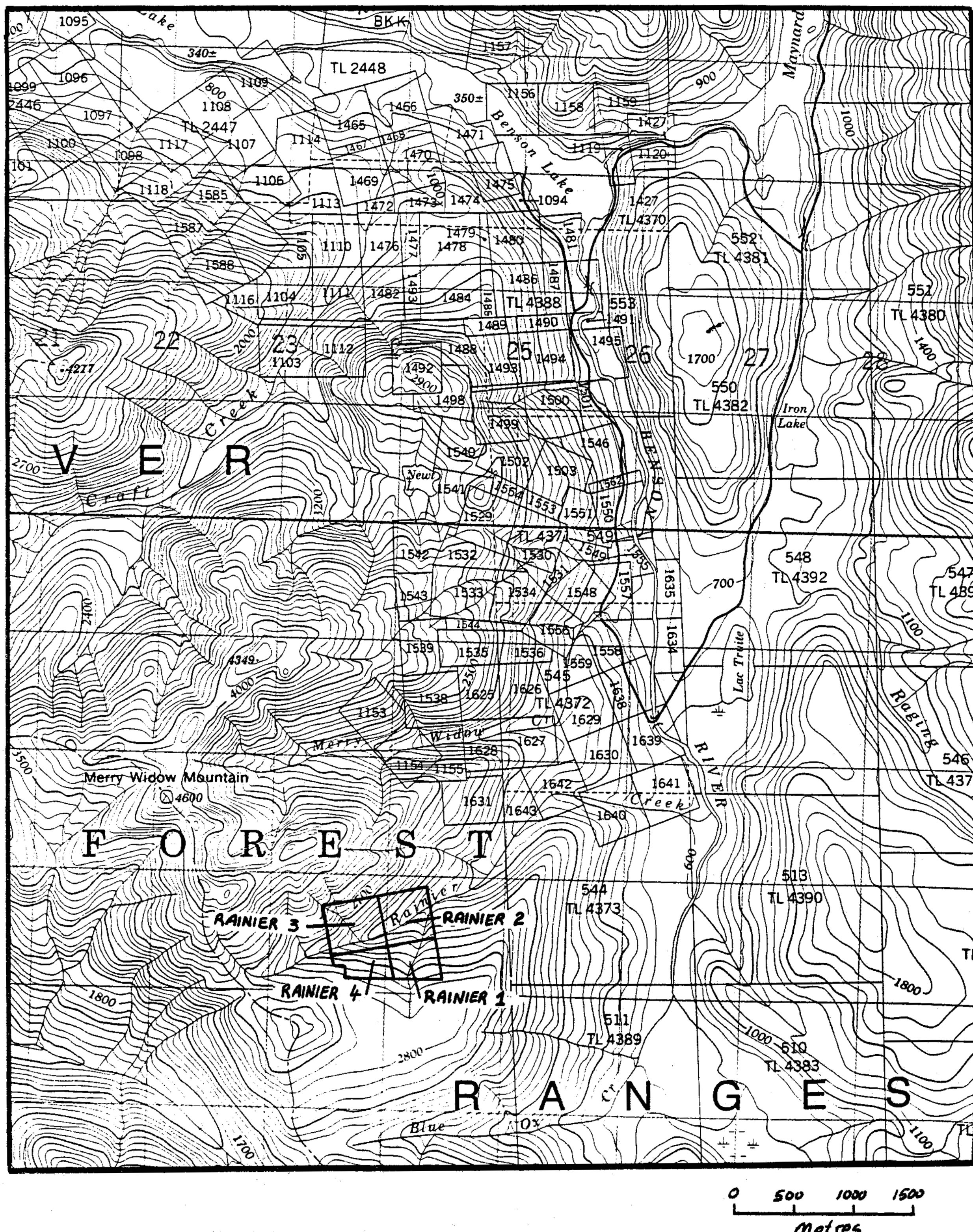
5. I consent to the use of this report in connection with the raising of funds for work recommended in this report.

DATED AT VANCOUVER B.C. this 28th day of February, 1989.

Tiro Clarke

Tiro Clarke, B.Sc. (Geology)

FIGURES



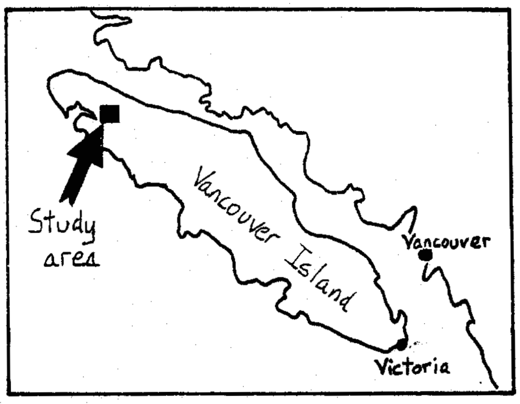
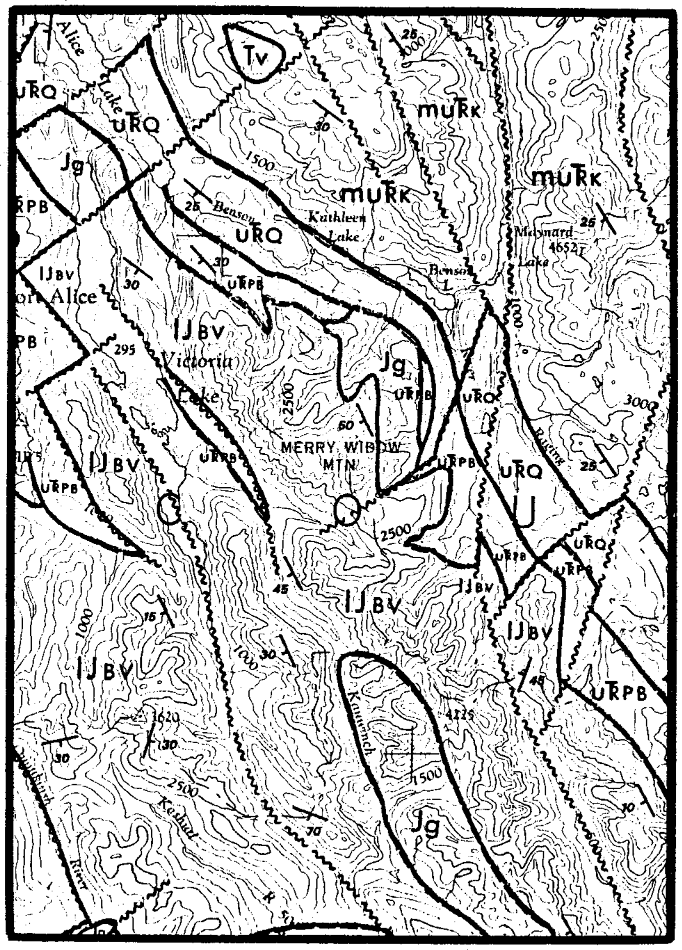


FIGURE 1

Location of the Rainier Group

NTS Map Area 92L/6
Scale 1:50,000



JURASSIC

Jg	ISLAND INTRUSIONS: quartz diorite, granodiorite, quartz monzonite, quartz feldspar porphyry

TRIASSIC AND JURASSIC

VANCOUVER GROUP

LOWER JURASSIC

lJBV	BONANZA VOLCANICS: andesitic to rhyodacitic lava, tuff, breccia
lJH	HARBLEDOWN FORMATION: argillite, greywacke

UPPER TRIASSIC

uTRPB	PARSON BAY FORMATION: calcareous siltstone, shale, limestone, greywacke, conglomerate, breccia
uTRQ	QUATSINO FORMATION: limestone
muTRK	KARMUTSEN FORMATION: basaltic lava, pillow lava, breccia, aquagene tuff

FIGURE 2

Regional geology of the Rainier Creek area

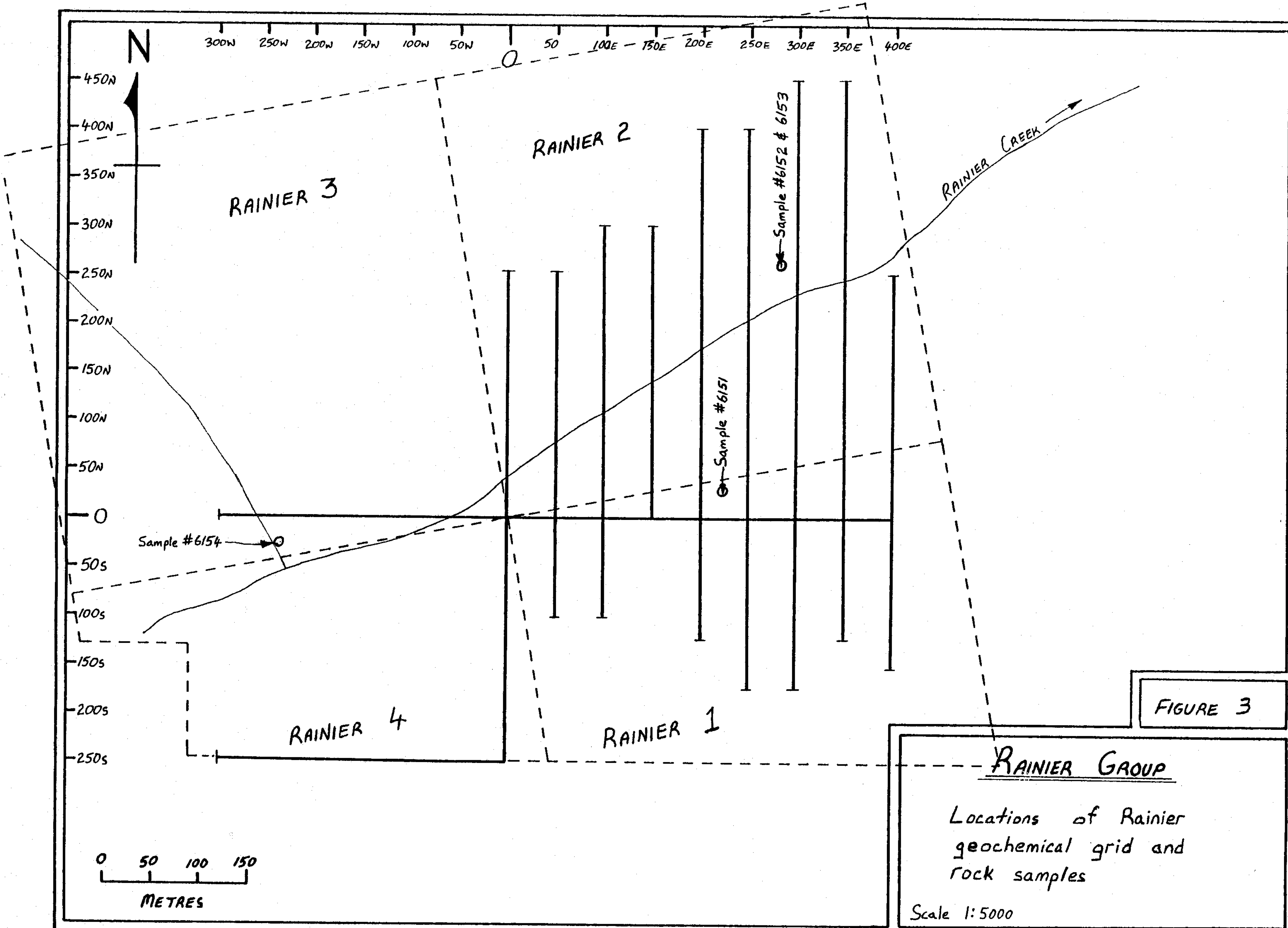


FIGURE 3

RAINIER GROUP

Locations of Rainier geochemical grid and rock samples

Scale 1:5000

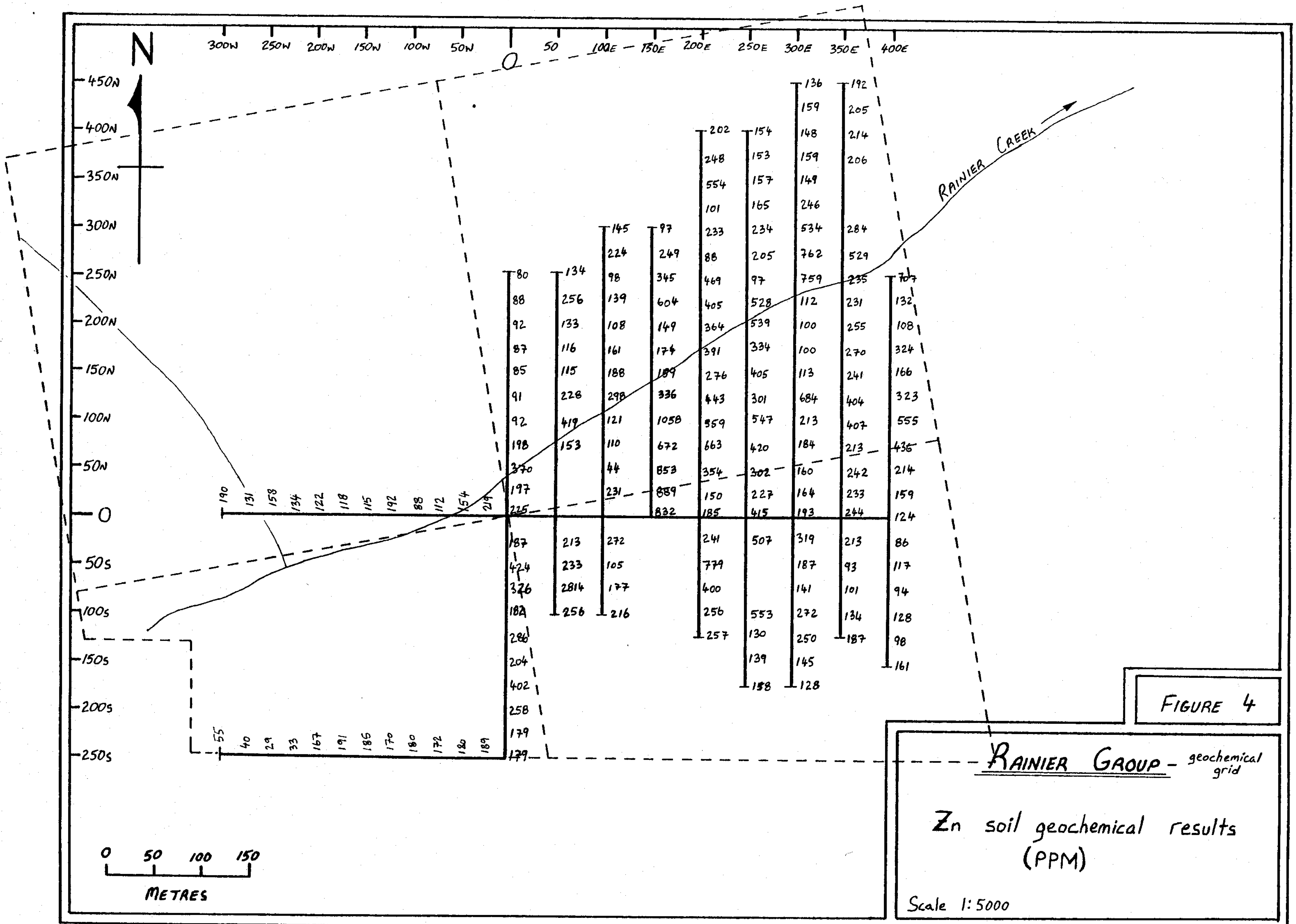


FIGURE 4

RAINIER GROUP - geochemical grid

Zn soil geochemical results (PPM)

Scale 1:5000

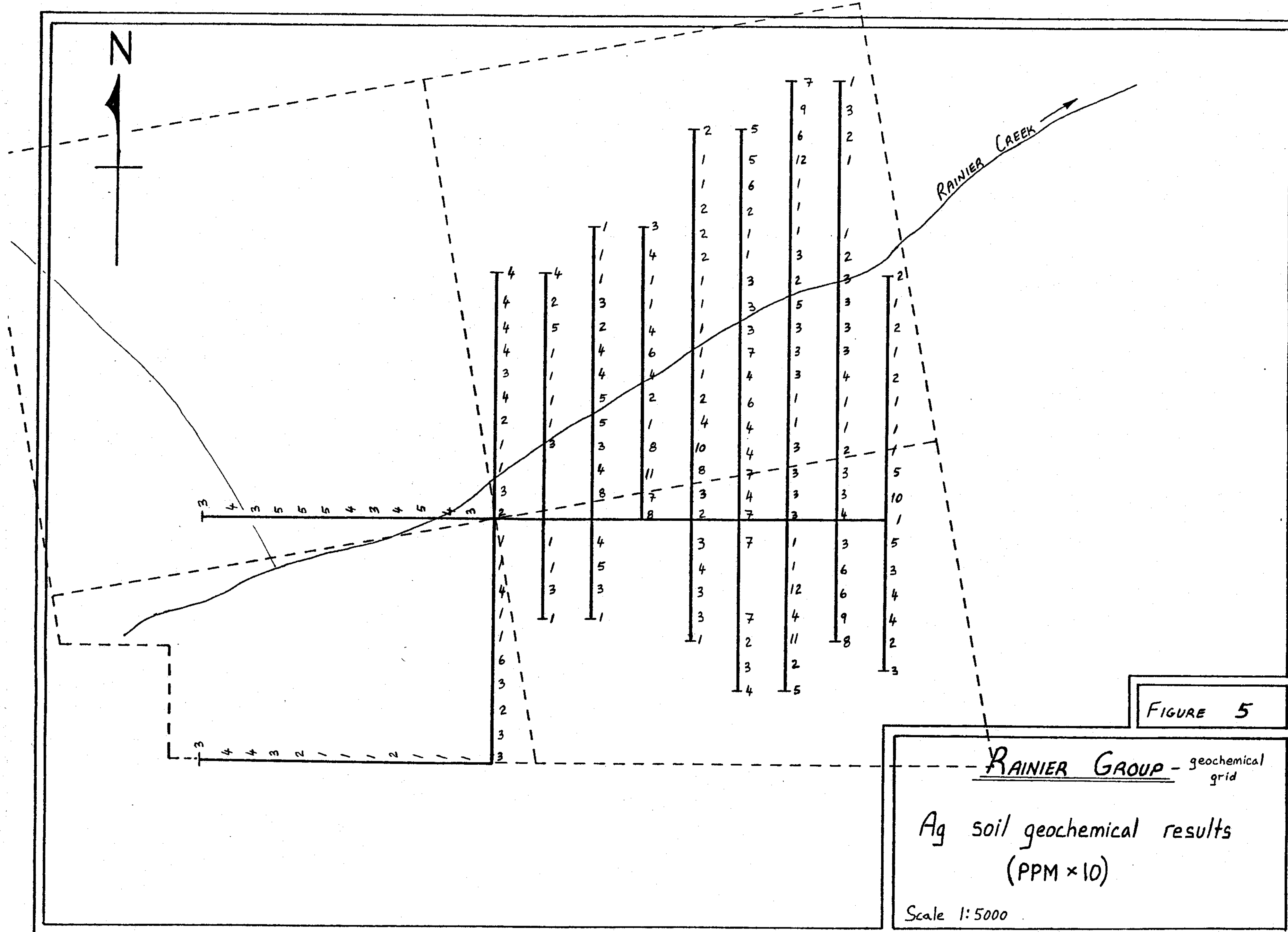


FIGURE 5

RAINIER GROUP - geochemical grid

Ag soil geochemical results
(PPM × 10)

Scale 1:5000

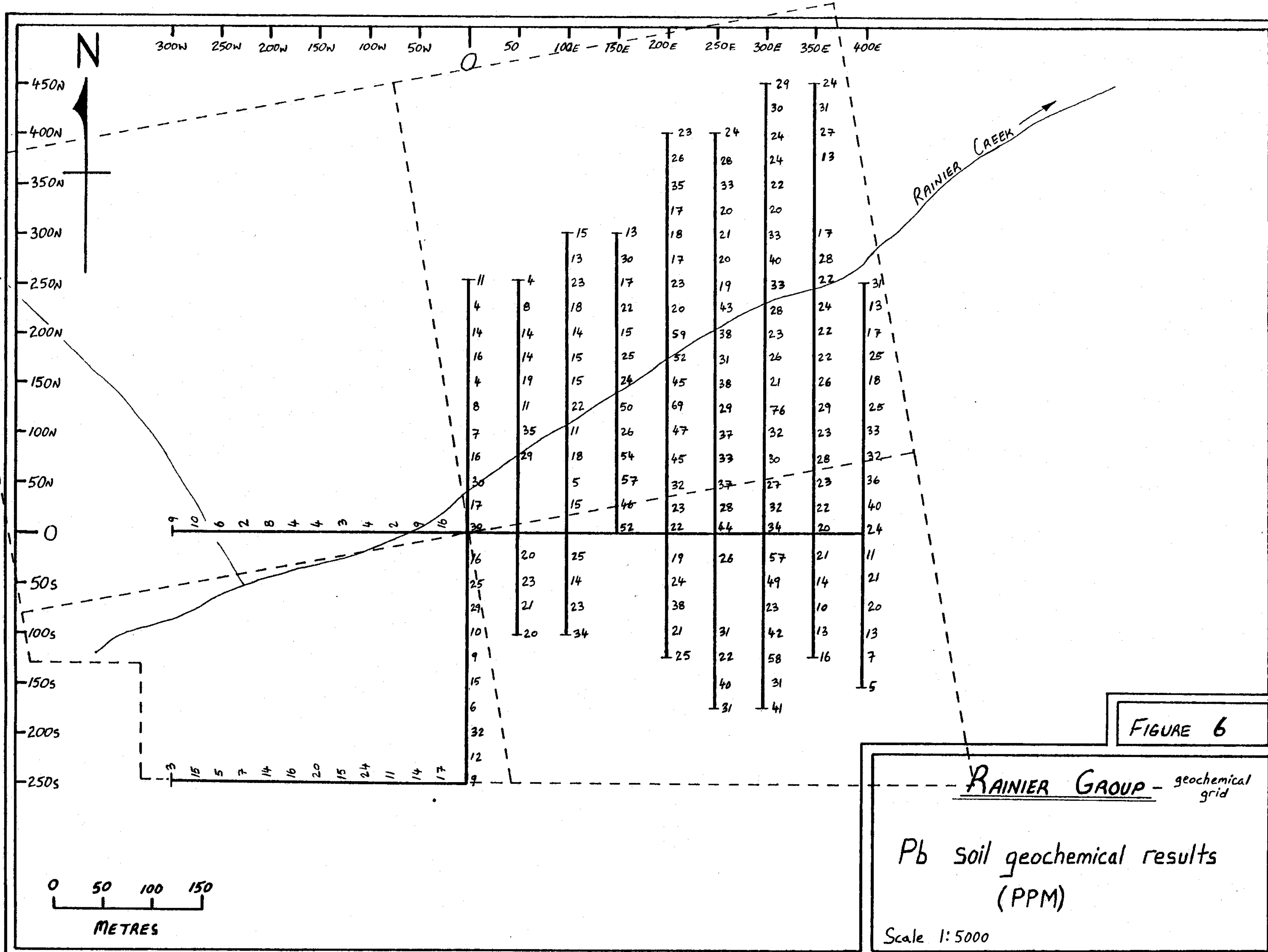


FIGURE 6

RAINIER GROUP - geochemical grid

Pb soil geochemical results (PPM)

Scale 1:5000

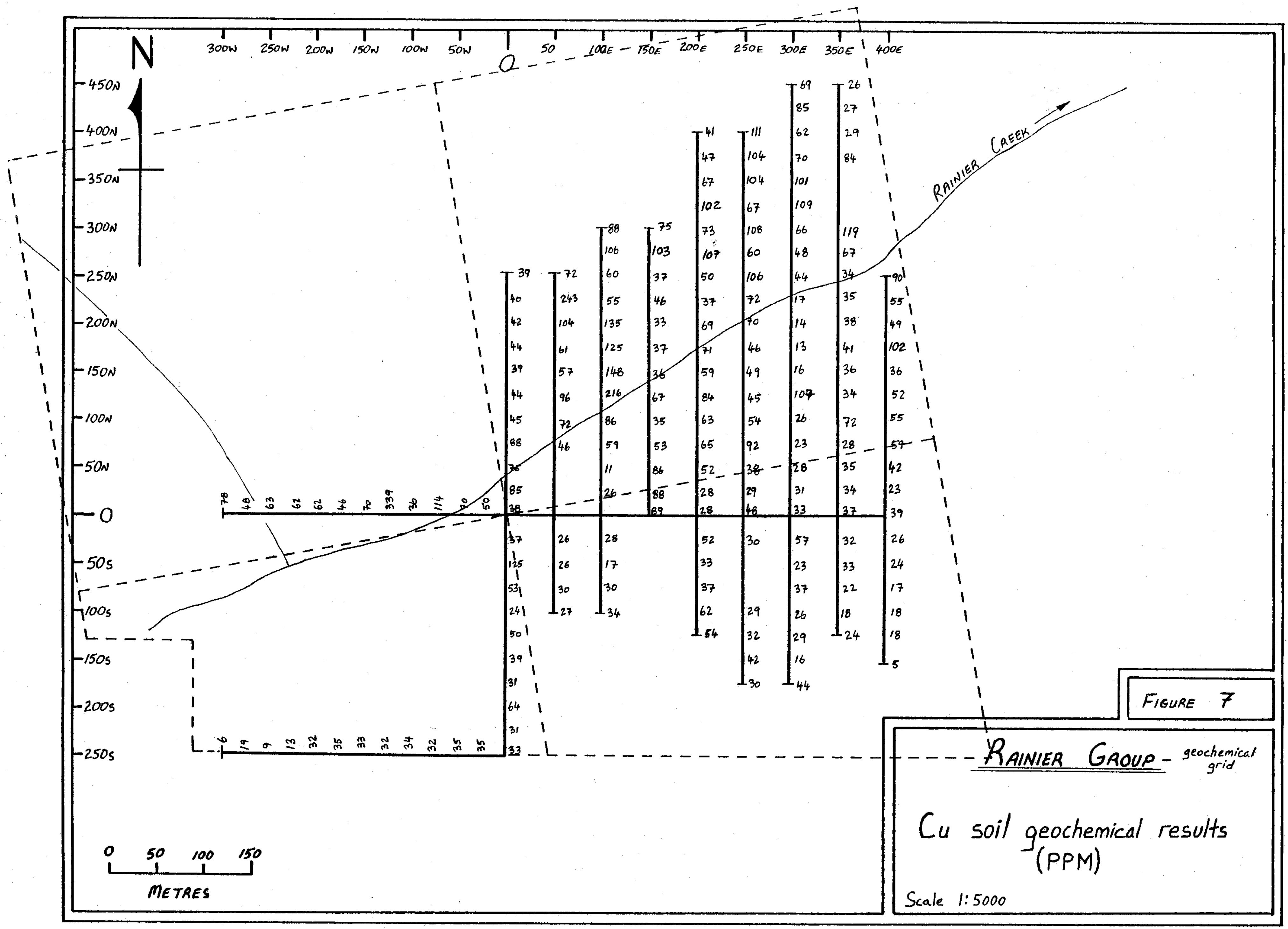


FIGURE 7

RAINIER GROUP - geochemical grid

Cu soil geochemical results (PPM)

Scale 1:5000

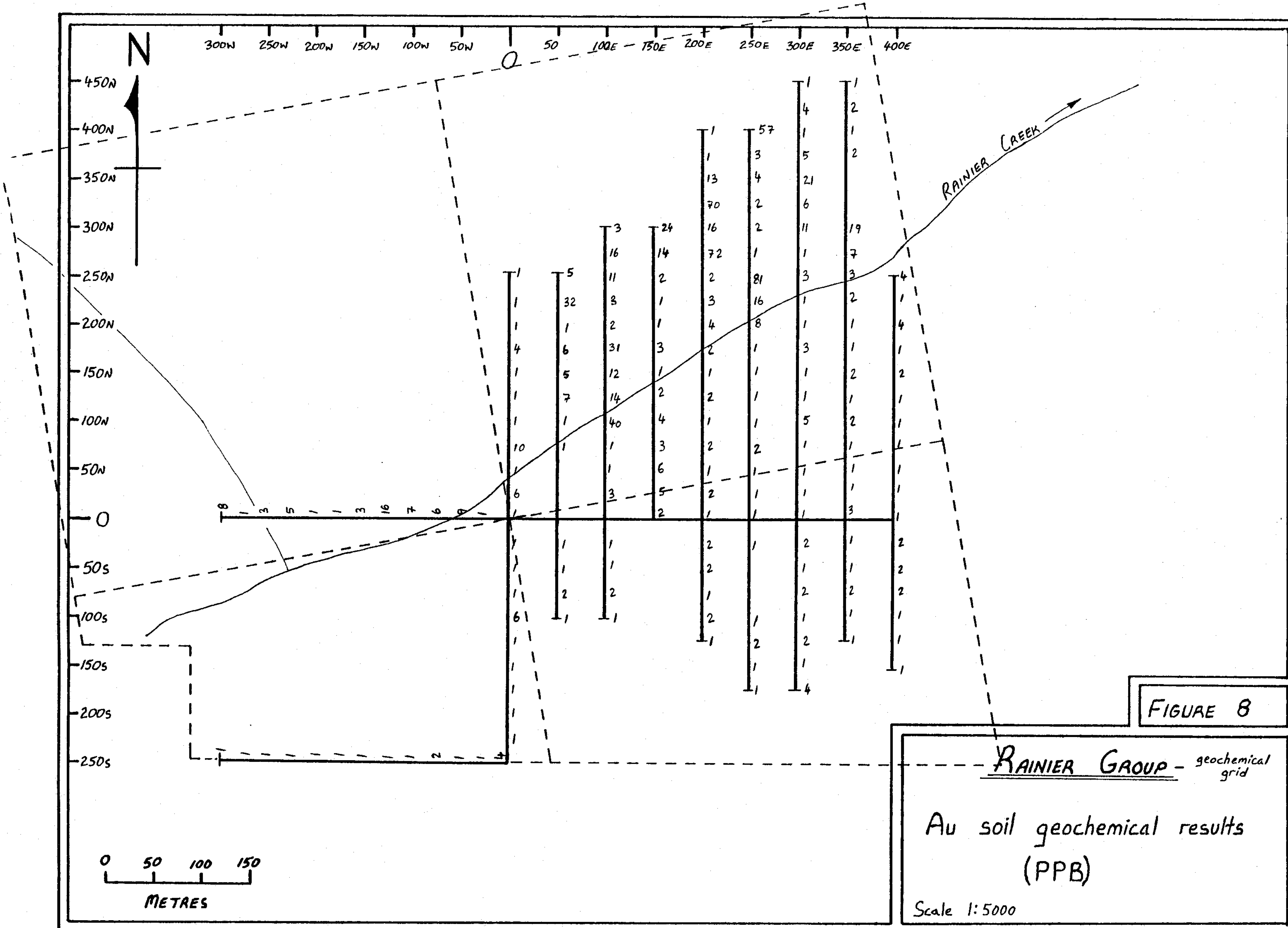


FIGURE 8

RAINIER GROUP - geochemical grid

Au soil geochemical results (PPB)

Scale 1:5000

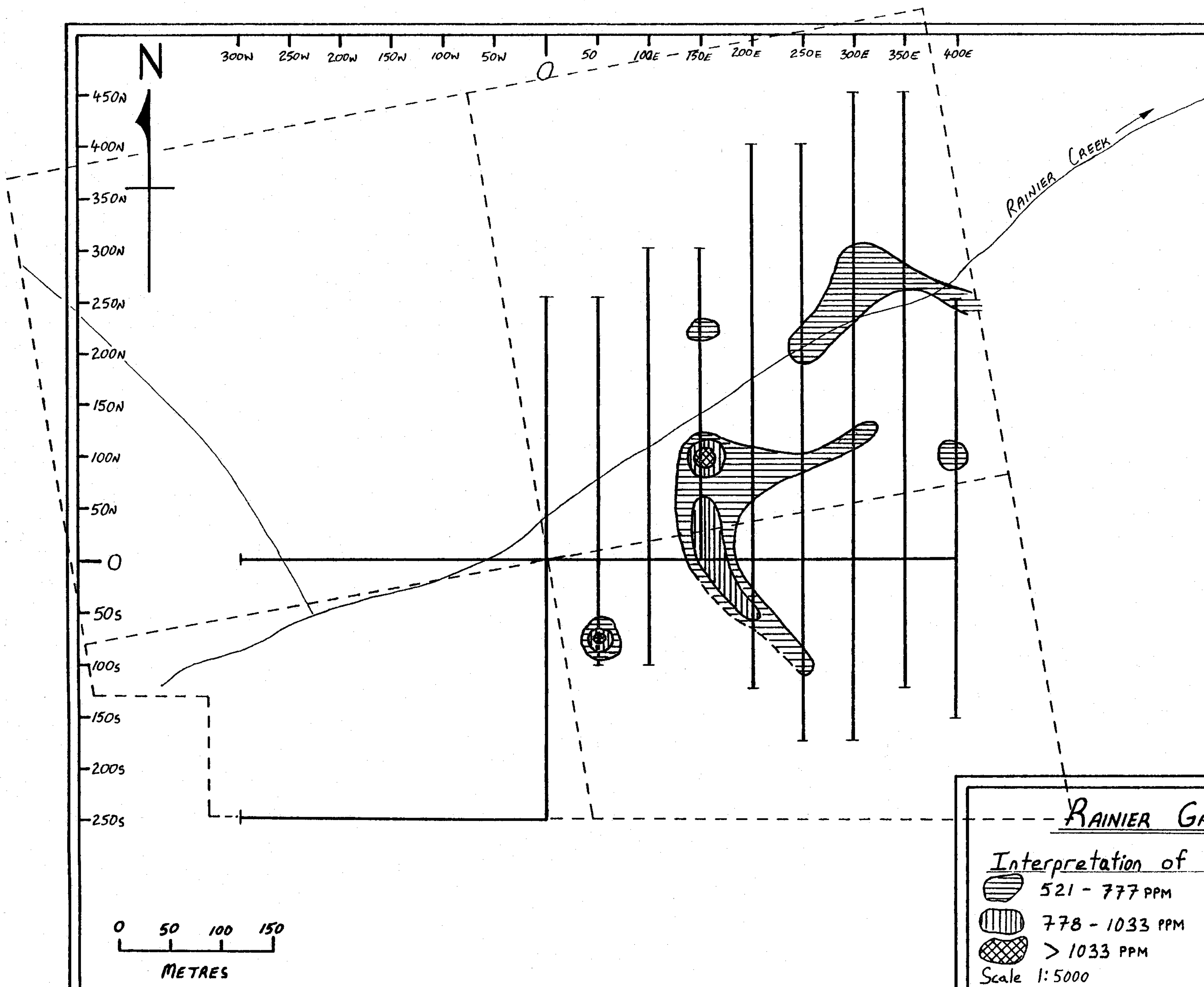


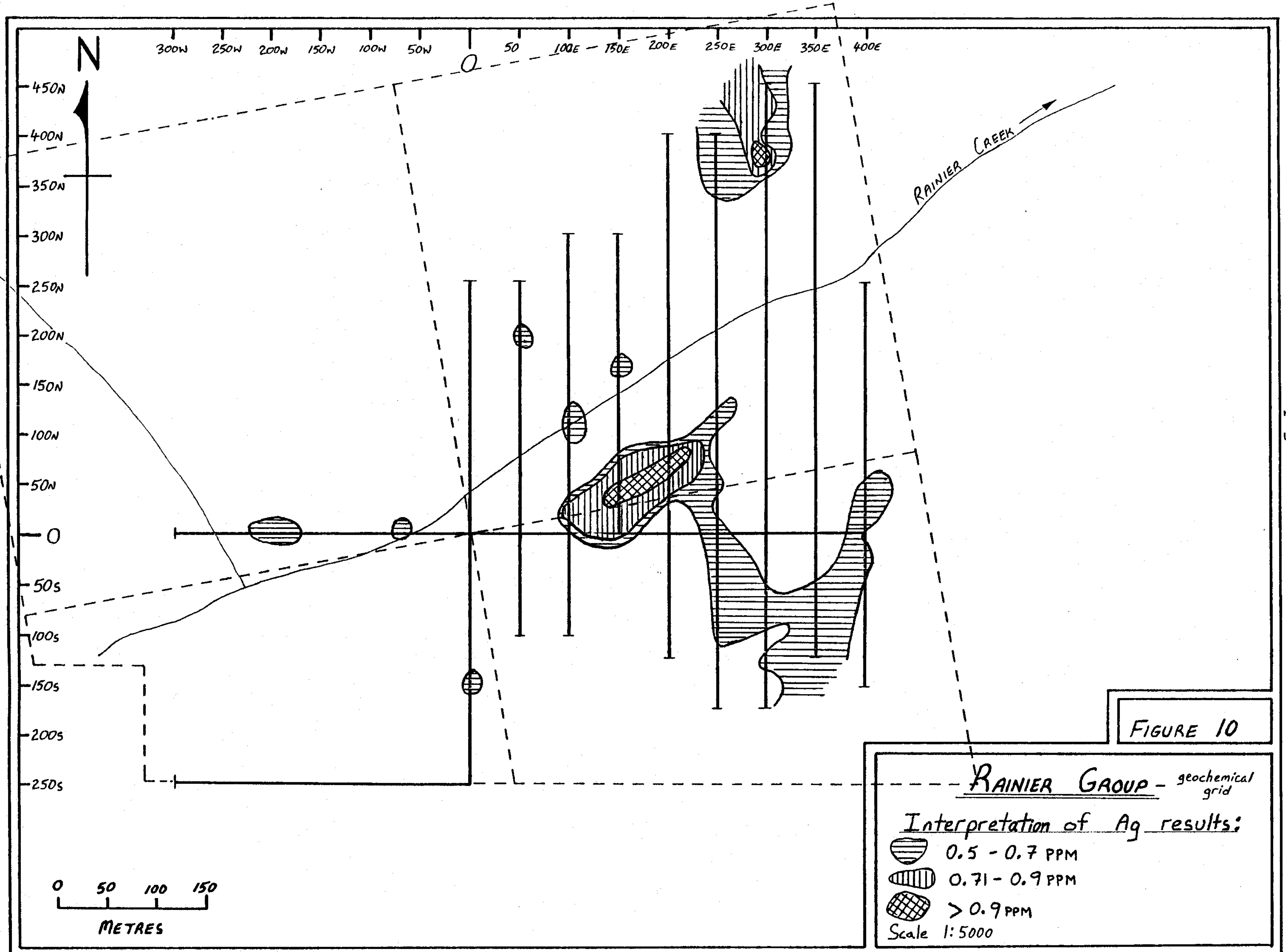
FIGURE 9

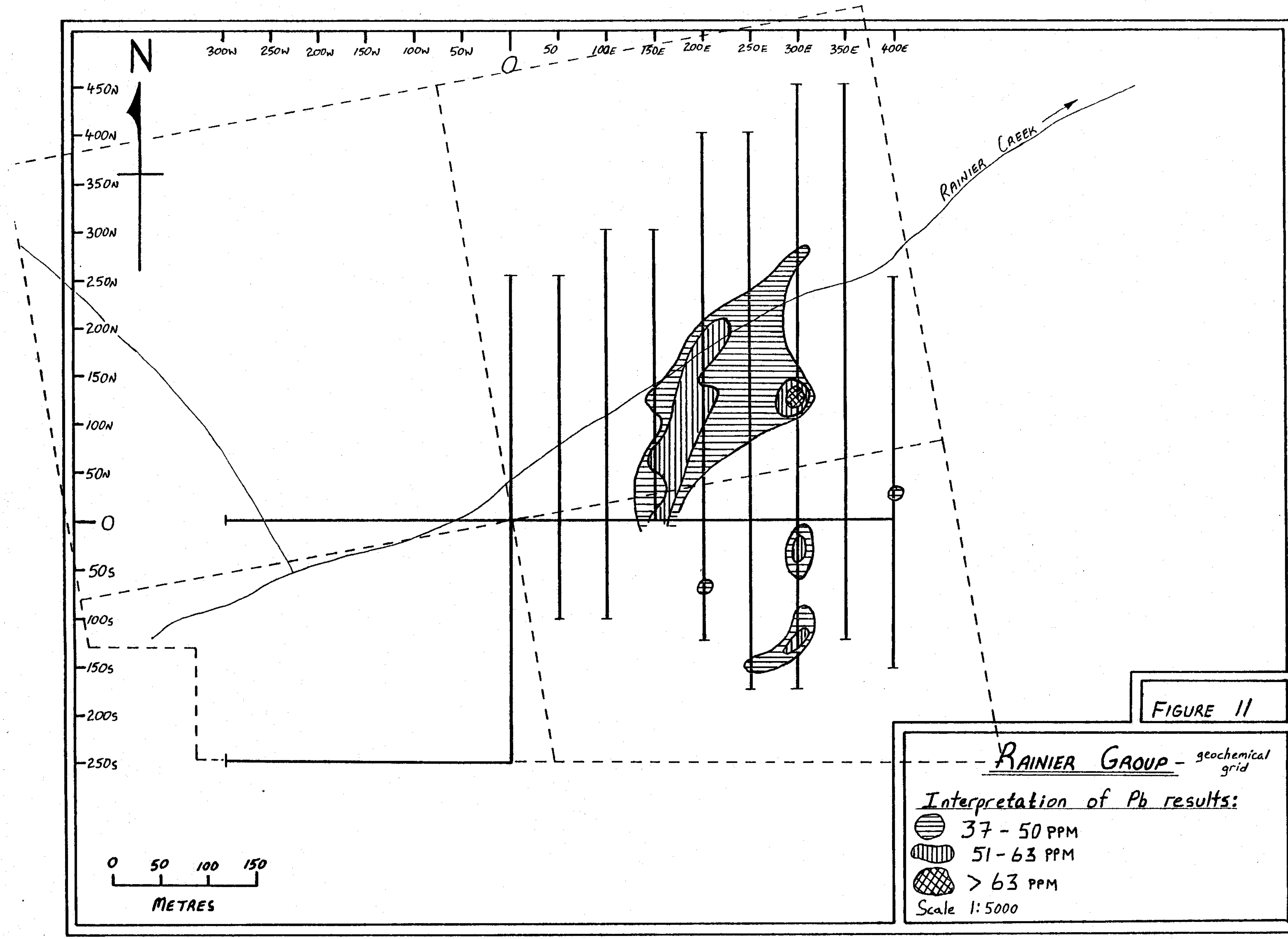
RAINIER GROUP - geochemical grid

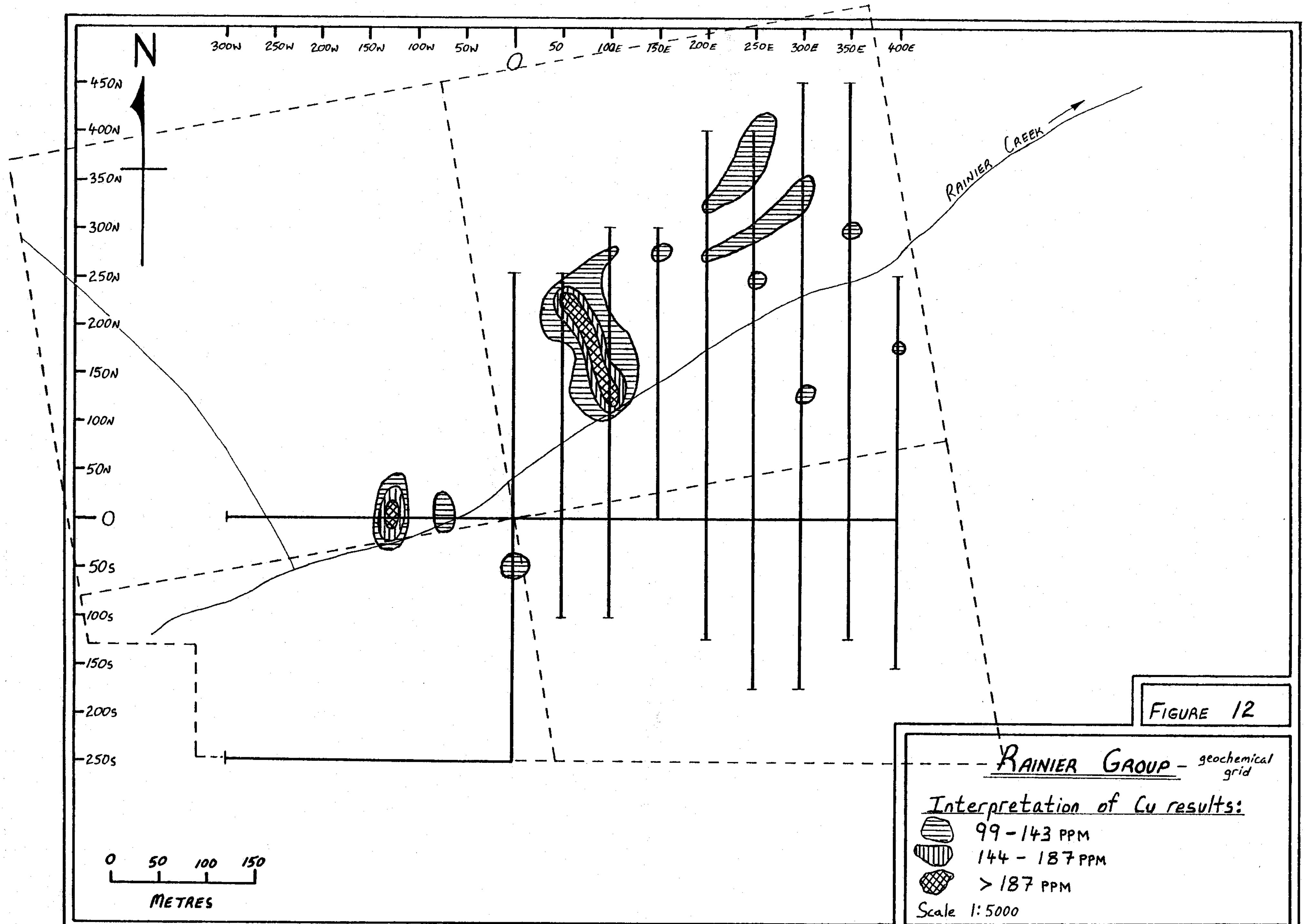
Interpretation of Zn results:

- 521 - 777 PPM
- 778 - 1033 PPM
- > 1033 PPM

Scale 1:5000


N
300W 250W 200W 150W 100W 50W 0 50 100E 150E 200E 250E 300E 350E 400E
450N 400N 350N 300N 250N 200N 150N 100N 50N 0 50S 100S 150S 200S 250S
RAINIER CREEK
FIGURE 10
RAINIER GROUP - geochemical grid
Interpretation of Ag results:
0.5 - 0.7 PPM
0.71 - 0.9 PPM
> 0.9 PPM
Scale 1:5000
0 50 100 150
METRES


N
300W 250W 200W 150W 100W 50W 0 50 100E 150E 200E 250E 300E 350E 400E
450N 400N 350N 300N 250N 200N 150N 100N 50N 0 50S 100S 150S 200S 250S
RAINIER CREEK
0 50 100 150
METRES
FIGURE 11
RAINIER GROUP - geochemical grid
Interpretation of Pb results:
37 - 50 PPM
51 - 63 PPM
> 63 PPM
Scale 1:5000


N
300W 250W 200W 150W 100W 50W 0 50 100E 150E 200E 250E 300E 350E 400E
450N 400N 350N 300N 250N 200N 150N 100N 50N 0 50S 100S 150S 200S 250S
RAINIER CREEK
0 50 100 150
METRES
FIGURE 12
RAINIER GROUP - geochemical grid
Interpretation of Cu results:
99 - 143 PPM
144 - 187 PPM
> 187 PPM
Scale 1:5000

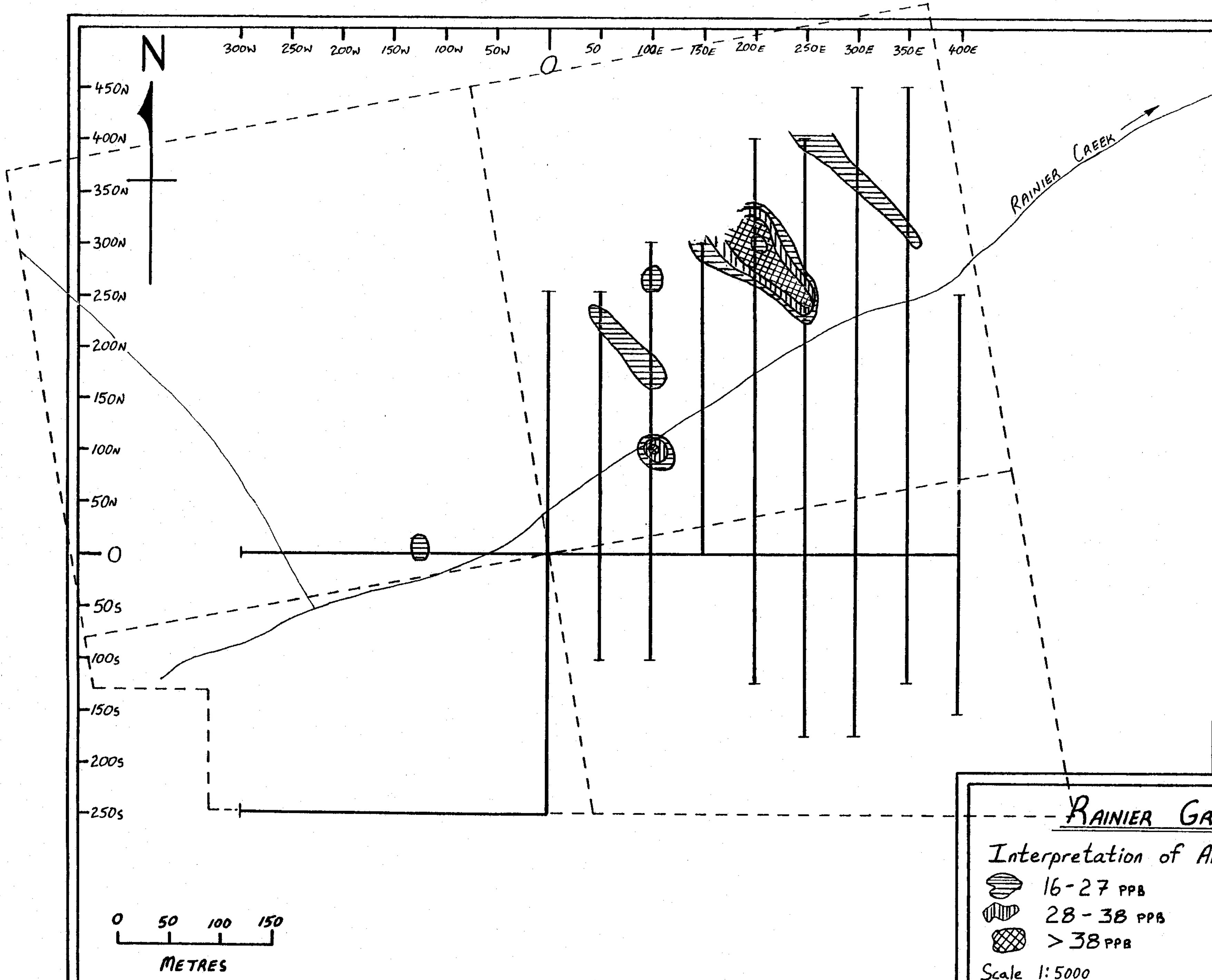


FIGURE 13

RAINIER GROUP - geochemical grid

Interpretation of Au results:

16-27 PPB

28-38 PPB

> 38 PPB

Scale 1:5000

APPENDIX I

30 element ICP and AA analysis results
from the Rainier soil geochemistry survey

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

GEOCHEMICAL ANALYSIS CERTIFICATE

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

DATE RECEIVED: OCT 28 1988 DATE REPORT MAILED: Nov 3/88 SIGNED BY. . . . . .D.TOYE, C.LEONG, B.CHAN, J.WANG; CERTIFIED B.C. ASSAYERS

JAMES W. LAIRD PROJECT RAINIER File # 88-5506 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
R 0E 300W	2	78	9	190	.3	16	40	1305	5.92	32	5	ND	1	27	1	2	2	75	.93	.144	5	23	.85	16	.11	5	4.93	.01	.03	1	8
R 0E 275W	4	48	10	131	.4	12	19	563	8.51	36	5	ND	1	17	1	9	2	160	.63	.095	4	29	.36	14	.24	6	6.14	.01	.02	1	1
R 0E 250W	2	63	6	158	.3	12	27	898	7.69	32	5	ND	1	23	1	4	2	125	.78	.134	5	27	.60	19	.19	4	5.45	.01	.02	1	3
R 0E 225W	3	62	2	134	.5	10	23	708	7.94	37	5	ND	1	19	1	10	2	142	.66	.094	5	28	.48	19	.21	5	5.99	.01	.02	1	5
R 0E 200W	2	62	8	122	.5	12	19	581	8.24	40	5	ND	1	19	1	8	2	138	.71	.092	4	26	.47	18	.21	7	5.51	.01	.02	1	1
R 0E 175W	2	46	4	118	.5	8	14	500	9.79	43	5	ND	1	16	1	8	2	164	.54	.076	3	29	.34	14	.26	4	5.37	.01	.02	1	1
R 0E 150W	3	70	4	115	.4	11	23	1131	11.49	107	5	ND	1	18	1	6	2	140	.93	.048	3	30	.65	17	.20	8	3.14	.01	.03	1	3
R 0E 125W	2	339	3	192	.3	20	47	3936	7.58	84	5	ND	1	39	1	6	2	80	2.22	.121	5	27	1.90	34	.07	8	3.35	.01	.04	1	16
R 0E 100W	2	36	4	88	.4	18	20	830	7.99	68	5	ND	1	32	1	3	3	132	1.44	.035	2	36	.50	15	.18	4	2.41	.01	.03	1	7
R 0E 075W	1	114	2	112	.5	13	28	994	8.54	45	5	ND	1	34	1	2	2	70	2.13	.095	3	26	1.15	16	.11	7	2.38	.02	.05	1	6
R 0E 050W	2	70	9	154	.4	32	45	998	8.29	101	5	ND	1	25	1	8	2	93	.91	.077	4	57	.96	16	.12	4	4.95	.01	.02	1	9
R 0E 025W	2	50	16	219	.3	17	22	1083	7.65	73	5	ND	1	19	1	2	3	94	.72	.107	5	29	.61	21	.06	5	3.11	.01	.04	1	1
R 0E 250N	3	39	11	80	.4	11	10	284	9.41	22	5	ND	1	17	1	9	3	199	.56	.066	4	40	.21	11	.39	4	6.10	.01	.02	1	1
R 0E 225N	2	40	4	88	.4	10	12	308	10.05	22	5	ND	2	19	1	9	2	214	.59	.060	3	40	.26	12	.41	4	5.42	.01	.02	1	1
R 0E 200N	2	42	14	92	.4	12	11	323	9.67	25	5	ND	2	17	1	11	2	202	.56	.067	3	43	.27	12	.40	6	6.37	.01	.02	2	1
R 0E 175N	2	44	16	87	.4	9	11	272	10.12	17	5	ND	2	18	1	11	2	235	.60	.065	3	38	.22	13	.44	5	5.90	.01	.02	1	4
R 0E 150N	1	39	4	85	.3	11	11	308	10.13	22	5	ND	1	18	1	7	2	215	.57	.058	3	38	.25	11	.41	3	5.34	.01	.02	1	1
R 0E 125N	3	44	8	91	.4	13	12	289	10.57	26	5	ND	2	19	1	9	2	223	.63	.064	3	42	.24	13	.43	4	5.97	.01	.02	1	1
R 0E 100N	3	45	7	92	.2	11	12	306	9.59	25	5	ND	1	19	1	9	2	192	.63	.067	3	39	.27	12	.39	2	6.25	.01	.02	1	1
R 0E 075N	3	88	16	198	.1	21	28	2744	8.31	92	5	ND	1	21	1	7	2	143	.50	.092	7	40	.99	25	.20	4	6.08	.01	.04	1	10
R 0E 050N	3	75	30	370	.1	24	18	1455	7.14	117	5	ND	1	53	3	3	2	90	1.33	.089	12	31	1.19	22	.11	5	3.01	.01	.04	1	1
R 0E 025N	3	85	17	197	.3	20	27	2806	8.05	88	5	ND	1	21	1	7	2	139	.51	.090	7	38	.98	25	.19	4	5.89	.01	.04	1	6
R 0E 000N	4	38	30	225	.2	13	10	688	7.68	62	5	ND	1	20	1	7	3	118	.47	.043	6	37	.91	25	.17	5	5.85	.01	.02	1	1
R 0E 025S	4	37	16	187	.1	17	14	896	8.09	65	5	ND	1	21	1	3	2	124	.35	.055	7	37	.81	19	.14	2	4.01	.01	.03	1	1
R 0E 050S	3	125	25	424	.1	33	27	2038	8.22	75	5	ND	1	45	3	3	2	99	.81	.117	14	29	1.46	38	.13	3	3.12	.01	.04	1	1
R 0E 075S	2	53	29	326	.4	28	36	2040	6.86	140	5	ND	1	47	2	7	2	81	2.27	.146	9	33	1.36	36	.07	3	4.70	.01	.03	1	1
R 0E 100S	8	24	10	182	.1	28	15	545	9.66	76	5	ND	1	21	1	8	2	122	.19	.066	9	46	.79	40	.10	4	3.66	.01	.05	2	6
R 0E 125S	8	50	9	286	.1	29	27	1567	9.64	116	5	ND	1	21	2	4	2	106	.16	.076	10	41	.88	48	.08	3	4.79	.01	.04	1	1
R 0E 150S	7	39	15	204	.6	18	16	881	9.36	105	5	ND	1	13	.1	7	2	124	.11	.095	9	48	.72	34	.06	2	5.00	.01	.03	4	1
R 0E 175S	8	31	6	402	.3	33	23	1803	9.06	93	5	ND	1	48	4	8	2	87	.55	.097	13	40	.62	63	.01	3	3.96	.02	.06	1	1
R 0E 200S	20	54	32	258	.2	16	15	376	10.93	207	5	ND	2	18	1	7	2	136	.08	.030	6	31	.46	23	.04	2	4.50	.01	.04	1	1
R 0E 225S	20	31	12	179	.3	19	11	347	10.96	76	5	ND	1	39	1	8	2	122	.36	.031	4	38	.50	21	.06	2	4.50	.01	.04	2	1
R 0E 250S	8	33	9	179	.3	31	14	538	10.41	70	5	ND	1	10	1	8	2	102	.06	.057	10	46	1.12	37	.10	2	5.21	.01	.04	3	1
R 50E 250N	1	72	4	134	.4	24	19	508	7.91	57	5	ND	1	21	1	6	2	120	.64	.072	7	42	.71	27	.19	4	5.03	.01	.03	1	5
R 50E 225N	6	243	8	256	.2	103	81	1162	13.29	164	5	ND	2	15	1	10	3	112	.75	.086	5	181	1.21	30	.19	3	6.83	.01	.04	1	32
R 50E 200N	1	104	14	133	.5	57	23	1353	6.45	46	5	ND	1	42	1	8	2	110	1.32	.100	4	74	2.01	26	.09	10	3.84	.02	.05	1	1
STD C/AU-S	12	60	39	132	6.9	68	30	1016	4.05	39	18	7	37	48	19	16	22	59	.48	.096	39	55	.88	177	.07	38	1.99	.06	.14	12	46

JAMES W. LAIRD PROJECT RAINIER FILE # 88-5506

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
R 50E 175N	3	61	14	116	.1	21	19	427	6.35	405	5	ND	1	15	1	8	2	89	.54	.089	8	83	.46	12	.17	5	7.82	.01	.03	1	6
R 50E 150N	3	57	19	115	.1	22	20	456	6.05	345	5	ND	1	16	1	7	2	85	.61	.093	7	77	.50	12	.15	3	7.64	.01	.03	1	5
R 50E 125N	1	96	11	228	.1	31	24	718	4.94	91	5	ND	1	43	1	3	2	79	1.39	.097	7	36	1.25	20	.09	6	3.55	.02	.03	1	7
R 50E 100N	2	72	35	419	.1	20	21	1537	7.20	165	5	ND	1	35	3	2	2	84	1.01	.091	12	28	1.19	27	.07	8	3.01	.01	.04	1	1
R 50E 075N	2	46	29	153	.3	7	8	350	6.53	34	5	ND	1	13	1	4	2	100	.28	.070	6	28	.45	11	.14	2	6.10	.01	.02	1	1
R 50E 025S	5	26	20	213	.1	7	9	365	8.78	67	5	ND	1	31	1	2	2	171	.59	.039	6	30	.38	16	.16	2	4.36	.01	.02	1	1
R 50E 050S	7	26	23	233	.1	20	15	921	9.04	88	5	ND	1	14	1	4	2	123	.15	.099	8	44	.67	29	.10	2	4.03	.01	.06	3	1
R 50E 075S	2	30	21	2814	.3	15	9	681	8.17	255	5	ND	1	60	36	2	2	124	1.12	.034	5	28	.40	19	.16	2	3.03	.01	.02	1	2
R 50E 100S	4	27	20	256	.1	11	8	448	7.07	66	5	ND	1	11	1	3	2	115	.16	.022	6	25	.48	15	.08	2	3.31	.01	.02	2	1
R 100E 300N	1	88	15	145	.1	32	34	572	7.75	48	5	ND	1	37	1	6	2	117	1.13	.028	4	54	.86	29	.22	6	5.05	.01	.02	1	3
R 100E 275N	1	106	13	224	.1	40	42	1334	7.47	86	5	ND	1	44	1	2	2	95	1.96	.033	6	46	1.29	22	.11	6	3.79	.01	.02	1	16
R 100E 250N	1	60	23	98	.1	21	18	450	8.76	48	5	ND	1	21	1	6	2	135	.67	.039	4	51	.63	19	.25	2	5.81	.01	.03	1	11
R 100E 225N	3	55	18	139	.3	20	44	2947	8.31	317	5	ND	1	24	1	2	2	143	.63	.058	5	41	.75	40	.12	3	4.79	.01	.03	1	3
R 100E 200N	5	135	14	108	.2	27	32	534	12.01	206	5	ND	2	21	1	7	2	181	.57	.076	3	71	.46	12	.30	4	5.03	.01	.02	1	2
R 100E 175N	4	125	15	161	.4	50	45	1809	9.77	91	5	ND	1	17	1	7	2	130	1.04	.096	3	112	.92	20	.18	6	4.03	.01	.03	1	31
R 100E 150N	3	148	15	188	.4	71	28	649	10.10	116	5	ND	1	19	1	4	2	105	.84	.126	3	117	1.48	23	.15	2	6.31	.01	.04	1	12
R 100E 125N	1	216	22	298	.5	114	56	3440	8.57	111	5	ND	1	33	1	7	2	95	1.40	.107	6	128	2.94	35	.07	9	4.48	.02	.05	2	14
R 100E 100N	1	86	11	121	.5	42	20	572	8.19	61	5	ND	1	21	1	2	2	121	.89	.073	5	84	1.16	17	.17	4	3.86	.01	.03	1	40
R 100E 075N	1	59	18	110	.3	9	7	178	10.20	42	5	ND	2	15	1	6	2	179	.20	.225	3	41	.27	15	.48	4	4.39	.01	.02	2	1
R 100E 050N	2	11	5	44	.4	6	4	46	1.98	7	5	ND	1	42	1	2	2	116	.09	.017	2	4	.06	23	.21	3	.41	.01	.01	3	1
R 100E 025N	6	26	15	231	.8	7	8	245	11.70	63	5	ND	1	6	1	6	2	161	.06	.061	6	31	.36	17	.03	3	4.49	.01	.04	2	3
R 100E 025S	6	28	25	272	.4	6	12	358	9.43	89	5	ND	2	8	1	2	2	138	.11	.076	4	31	.37	18	.08	2	6.01	.01	.04	1	1
R 100E 050S	3	17	14	105	.5	5	5	131	8.02	63	5	ND	1	6	1	3	2	163	.07	.036	6	21	.28	14	.04	2	3.72	.01	.02	3	1
R 100E 075S	4	30	23	177	.3	10	10	298	8.87	50	5	ND	2	5	1	6	2	123	.05	.041	4	36	.53	19	.05	5	7.01	.01	.02	2	2
R 100E 100S	3	34	34	216	.1	35	18	807	11.59	57	5	ND	2	10	1	10	2	78	.10	.074	8	48	.55	35	.03	5	6.61	.01	.06	3	1
R 150E 300N	2	75	13	97	.3	19	17	375	10.69	116	5	ND	2	17	1	4	2	131	.49	.066	3	58	.56	16	.27	7	5.86	.01	.03	2	24
R 150E 275N	2	103	30	249	.4	20	42	1628	8.30	126	5	ND	1	33	2	3	2	111	.80	.090	10	31	.90	29	.09	8	4.34	.01	.04	1	14
R 150E 250N	2	37	17	345	.1	16	15	1140	6.40	52	5	ND	1	33	2	2	2	81	1.16	.093	8	27	1.51	27	.08	10	2.64	.03	.08	1	2
R 150E 225N	3	46	22	604	.1	17	15	1079	6.30	153	5	ND	1	33	5	2	2	78	.55	.077	8	30	1.21	21	.06	7	2.29	.02	.06	1	1
R 150E 200N	3	33	15	149	.4	7	9	222	8.36	33	5	ND	1	6	1	2	2	165	.04	.024	5	25	.36	22	.05	2	5.56	.01	.02	1	1
R 150E 175N	4	37	25	174	.6	10	10	279	8.33	45	5	ND	2	6	1	3	2	152	.04	.029	5	30	.44	23	.04	2	5.91	.01	.02	1	3
R 150E 150N	3	36	24	159	.4	9	9	242	7.74	43	5	ND	1	5	1	3	2	136	.07	.028	5	31	.35	22	.05	3	5.69	.01	.02	2	1
R 150E 125N	12	67	50	336	.2	27	36	1185	8.53	396	5	ND	1	10	2	3	2	84	.15	.032	15	37	.92	29	.01	8	3.67	.01	.03	1	2
R 150E 100N	4	35	26	1053	.1	18	25	912	8.66	179	5	ND	1	27	7	2	2	100	.61	.072	10	37	.65	20	.09	3	4.16	.01	.03	1	4
R 150E 075N	18	53	54	672	.8	26	22	3589	8.36	210	5	ND	1	27	12	7	3	44	.63	.104	19	27	.78	33	.01	9	2.09	.01	.05	1	3
R 150E 050N	9	86	57	853	1.1	19	19	851	7.83	300	5	ND	2	6	3	10	2	87	.06	.057	8	34	.46	24	.03	7	6.82	.01	.03	1	6
STD C/AU-S	18	61	43	132	7.0	68	31	1015	4.07	42	20	8	38	48	19	20	21	60	.48	.095	39	55	.88	179	.07	41	1.97	.06	.14	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
R 150E 025N	1	82	46	889	.7	21	25	1075	7.53	359	5	ND	2	6	3	2	2	81	.06	.030	7	28	.47	23	.03	5	6.43	.01	.03	1	5
R 150E 000N	1	89	52	832	.8	21	26	1224	7.54	363	7	ND	2	6	3	5	2	89	.06	.037	8	31	.49	24	.03	2	6.35	.01	.03	2	2
R 200E 400N	1	41	23	202	.2	22	20	1064	7.31	42	5	ND	1	22	2	2	2	141	1.03	.054	4	36	3.59	16	.13	7	4.58	.01	.05	1	1
R 200E 375N	1	47	26	248	.1	25	24	1419	7.84	42	5	ND	1	21	3	2	2	143	.91	.082	8	49	4.04	22	.12	8	5.90	.01	.06	1	1
R 200E 350N	4	67	35	554	.1	20	22	1966	8.71	307	5	ND	1	15	7	3	2	61	.24	.093	18	25	.73	19	.04	10	2.91	.01	.03	1	13
R 200E 325N	1	102	17	101	.2	18	49	719	8.59	237	5	ND	1	43	1	2	2	117	.54	.041	3	27	.67	12	.26	3	5.20	.01	.02	1	70
R 200E 300N	3	73	18	233	.2	28	28	909	7.41	107	5	ND	1	37	2	2	2	136	1.77	.077	7	43	1.49	18	.17	2	4.22	.01	.04	1	16
R 200E 275N	1	107	17	88	.2	20	51	755	8.86	243	5	ND	1	44	1	2	2	123	.60	.047	3	26	.70	12	.28	2	5.39	.01	.02	1	72
R 200E 250N	3	50	23	469	.1	17	19	1280	6.96	99	5	ND	1	30	3	2	2	79	.86	.095	9	26	1.56	20	.07	9	2.77	.02	.05	1	2
R 200E 225N	1	37	20	405	.1	15	15	1066	6.28	62	5	ND	1	25	3	2	2	74	.85	.091	7	24	1.51	17	.06	8	2.52	.02	.06	1	3
R 200E 200N	8	69	59	364	.1	19	23	932	8.72	279	5	ND	1	11	2	2	2	82	.10	.082	10	25	.99	25	.04	3	4.23	.01	.04	2	4
R 200E 175N	10	71	52	391	.1	21	27	1036	9.47	342	5	ND	1	11	1	2	2	86	.09	.074	13	28	1.06	30	.03	3	4.48	.01	.05	1	2
R 200E 150N	2	59	45	276	.1	16	18	862	8.62	109	5	ND	2	14	2	2	2	102	.09	.073	6	31	.90	24	.07	3	5.34	.01	.04	2	1
R 200E 125N	19	84	69	443	.2	29	42	1509	12.36	567	5	ND	1	12	2	10	2	97	.06	.060	19	28	1.32	36	.01	6	4.54	.01	.05	1	2
R 200E 100N	6	63	47	559	.4	20	22	3053	8.71	237	5	ND	1	7	5	5	2	45	.10	.093	24	23	.60	20	.01	5	2.57	.01	.03	1	1
R 200E 075N	4	65	45	663	1.0	19	16	1546	8.40	229	5	ND	1	10	3	4	2	76	.16	.080	11	24	.78	21	.06	7	3.22	.01	.04	1	2
R 200E 050N	7	52	32	354	.8	12	9	445	10.95	107	5	ND	1	8	1	2	2	108	.05	.069	4	30	.52	25	.04	2	4.41	.01	.03	1	1
R 200E 025N	1	28	23	150	.3	10	9	387	7.39	45	5	ND	1	6	1	2	3	117	.05	.042	4	25	.60	17	.08	2	5.55	.01	.03	3	2
R 200E 000N	1	28	22	165	.2	12	10	443	6.84	50	5	ND	1	6	1	3	3	101	.05	.052	4	28	.75	19	.10	2	5.91	.01	.03	3	1
R 200E 025S	1	52	19	241	.3	17	16	573	7.99	64	5	ND	2	8	1	2	2	102	.08	.079	6	27	.80	22	.09	3	5.45	.01	.04	1	2
R 200E 050S	8	33	24	779	.4	25	16	904	7.33	253	5	ND	1	50	11	2	3	76	.95	.046	8	46	.62	46	.01	2	3.56	.01	.04	1	2
R 200E 075S	10	37	38	400	.3	16	10	175	9.63	72	5	ND	1	6	1	2	2	183	.02	.028	2	41	.15	26	.01	2	3.43	.01	.02	2	1
R 200E 100S	7	62	21	256	.3	20	14	677	8.61	72	5	ND	1	19	1	2	2	102	.16	.049	6	31	.57	23	.03	2	4.62	.01	.04	1	2
R 200E 125S	1	54	25	257	.1	29	24	921	8.95	75	5	ND	2	7	1	2	2	94	.03	.080	9	36	1.27	40	.06	3	5.45	.01	.05	2	1
R 250E 400N	1	111	24	154	.5	90	32	3442	10.83	155	5	ND	1	13	1	2	2	126	.18	.066	8	145	2.79	33	.01	2	7.24	.01	.04	1	57
R 250E 375N	1	104	28	153	.5	92	34	2917	11.16	153	5	ND	2	11	1	2	2	133	.17	.064	7	157	2.73	31	.01	2	7.25	.01	.04	1	3
R 250E 350N	1	104	33	157	.6	95	33	2532	10.96	142	5	ND	2	10	1	2	2	130	.15	.055	6	161	2.83	30	.01	2	7.15	.01	.04	1	4
R 250E 325N	1	67	20	165	.2	38	24	1204	7.70	47	5	ND	1	52	1	2	2	134	.60	.079	8	63	2.62	22	.13	3	5.33	.01	.04	1	2
R 250E 300N	1	108	21	234	.1	49	36	4031	7.71	89	5	ND	1	25	2	2	2	110	.76	.133	13	65	2.17	31	.07	4	4.76	.01	.04	1	2
R 250E 275N	2	60	20	205	.1	22	21	1693	8.51	63	6	ND	2	42	2	2	3	139	1.78	.072	7	47	2.42	24	.13	7	4.95	.01	.04	1	1
R 250E 250N	1	106	19	97	.3	23	50	716	8.51	251	5	ND	1	42	1	3	2	115	.56	.055	3	28	.79	13	.25	6	5.36	.01	.03	1	81
R 250E 225N	2	72	43	528	.3	27	28	2187	7.99	101	5	ND	1	43	5	4	2	72	1.49	.112	9	33	1.43	31	.05	11	3.02	.01	.05	1	16
R 250E 200N	3	70	38	539	.3	22	25	2082	7.73	105	5	ND	1	41	5	2	2	70	1.38	.115	10	26	1.32	32	.05	14	2.87	.01	.05	1	8
R 250E 175N	2	46	31	334	.7	10	9	432	10.63	191	5	ND	2	10	1	2	2	106	.09	.084	4	34	.45	21	.05	4	4.00	.01	.02	1	1
R 250E 150N	1	49	38	405	.4	12	9	376	11.41	231	5	ND	2	6	1	2	2	84	.04	.066	4	38	.48	16	.03	2	5.57	.01	.02	1	1
R 250E 125N	2	45	29	301	.6	10	7	274	11.88	181	5	ND	2	7	1	3	2	116	.04	.048	3	32	.38	14	.04	3	3.37	.01	.02	3	1
STD C/AU-S	18	60	39	132	7.0	68	30	1017	4.01	43	20	7	37	47	18	19	19	58	.48	.094	38	55	.86	175	.07	37	1.98	.06	.14	11	51

JAMES W. LAIRD PROJECT RAINIER FILE # 88-5506

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
R 250E 100N	4	54	37	547	.4	20	18	1679	6.26	125	5	ND	1	8	3	2	2	46	.13	.092	12	29	.75	22	.03	9	2.82	.01	.03	1	1
R 250E 075N	5	92	33	420	.4	15	16	1339	7.84	104	5	ND	1	11	2	2	2	83	.10	.094	9	27	.72	27	.07	5	3.61	.01	.04	1	2
R 250E 050N	3	38	37	302	.7	11	7	336	8.90	161	5	ND	1	9	1	2	2	116	.04	.093	3	32	.34	21	.05	7	4.54	.01	.02	2	1
R 250E 025N	2	29	28	227	.4	8	6	227	8.24	145	5	ND	1	11	1	2	2	129	.05	.098	3	27	.35	21	.05	7	2.98	.01	.02	1	1
R 250E 000N	3	48	44	415	.9	11	9	436	10.43	197	5	ND	1	8	1	2	2	96	.05	.082	4	35	.47	21	.05	8	4.82	.01	.02	1	1
R 250E 025S	5	30	26	507	.7	21	16	1212	7.77	63	5	ND	1	47	7	2	2	100	1.06	.068	9	39	.57	43	.08	4	4.38	.01	.04	1	1
R 250E 100S	5	29	31	553	.7	24	15	1126	7.39	61	5	ND	1	45	7	2	2	99	1.03	.065	9	41	.59	44	.08	3	4.26	.01	.04	1	1
R 250E 125S	6	32	22	130	.2	11	7	261	7.45	30	5	ND	1	10	1	2	2	84	.06	.038	6	20	.28	27	.04	6	2.81	.01	.03	2	2
R 250E 150S	2	42	40	139	.3	8	13	542	12.03	22	5	ND	1	5	1	2	2	123	.06	.087	7	20	.28	10	.10	3	5.01	.01	.03	1	1
R 250E 175S	1	30	31	158	.4	9	7	260	12.53	25	5	ND	2	5	1	2	2	136	.06	.058	2	34	.36	10	.13	5	3.67	.01	.03	1	1
R 300E 450N	2	69	29	136	.7	30	19	649	8.54	35	5	ND	1	16	1	2	2	141	.63	.065	5	85	1.05	16	.15	6	6.84	.01	.03	1	1
R 300E 425N	1	85	30	159	.9	34	22	726	8.60	43	5	ND	1	17	1	2	2	151	.58	.068	6	78	1.17	17	.13	7	6.78	.01	.03	1	4
R 300E 400N	3	62	24	148	.6	34	18	611	9.79	34	5	ND	2	13	1	2	2	132	.46	.069	6	96	1.23	15	.15	6	7.74	.01	.03	1	1
R 300E 375N	1	70	24	159	1.2	39	25	826	8.22	34	5	ND	1	18	1	2	2	139	.71	.070	6	79	1.34	17	.16	8	6.41	.01	.04	1	5
R 300E 350N	1	101	22	149	.1	18	21	953	9.36	52	5	ND	2	16	1	2	2	143	.37	.071	6	52	1.11	18	.07	6	6.85	.01	.03	1	21
R 300E 325N	1	109	20	246	.1	49	36	4487	8.43	95	5	ND	1	28	2	2	2	113	1.03	.131	13	72	2.23	30	.08	8	5.04	.01	.05	1	6
R 300E 300N	2	66	33	534	.1	19	21	1784	7.46	126	5	ND	1	39	4	2	2	71	1.36	.101	10	29	1.23	25	.05	13	2.73	.01	.05	1	11
R 300E 275N	4	48	40	762	.3	16	18	1467	7.22	176	5	ND	1	27	7	2	2	64	.75	.093	11	30	.96	21	.04	10	2.33	.01	.04	1	1
R 300E 250N	3	44	33	759	.2	15	17	1466	7.05	169	5	ND	1	27	7	2	2	65	.72	.088	11	28	.89	20	.04	8	2.31	.01	.04	1	3
R 300E 225N	1	17	28	112	.5	7	7	302	8.51	59	5	ND	2	8	1	2	2	142	.09	.023	4	28	.39	10	.09	4	3.20	.01	.02	1	1
R 300E 200N	1	14	23	100	.3	6	6	367	6.89	48	5	ND	1	6	1	2	2	123	.05	.020	4	23	.44	10	.05	2	2.79	.01	.02	1	1
R 300E 175N	1	13	26	100	.3	6	6	211	5.22	49	5	ND	1	7	1	2	2	130	.26	.017	4	18	.25	9	.06	4	2.84	.01	.02	1	3
R 300E 150N	1	16	21	113	.3	6	5	211	8.23	55	5	ND	1	10	1	2	2	137	.07	.023	4	23	.26	14	.06	2	2.64	.01	.02	1	1
R 300E 125N	2	107	76	684	.1	23	20	2372	8.35	115	5	ND	1	30	6	2	2	92	.59	.101	18	32	.99	31	.06	4	4.00	.01	.04	1	1
R 300E 100N	2	26	32	213	.1	7	9	633	9.79	44	5	ND	1	20	1	2	2	106	.44	.098	6	33	.43	16	.03	4	4.53	.01	.03	1	5
R 300E 075N	3	23	30	184	.3	7	9	704	6.22	39	5	ND	1	20	1	2	2	109	.44	.090	5	29	.48	19	.03	5	3.45	.01	.03	1	1
R 300E 050N	2	28	27	160	.3	9	11	774	7.32	38	5	ND	1	8	1	2	2	83	.08	.078	4	28	.54	13	.03	3	2.80	.01	.03	3	1
R 300E 025N	2	31	32	164	.3	9	10	801	8.51	46	5	ND	1	10	1	2	2	89	.10	.080	4	29	.57	14	.04	5	2.68	.01	.03	1	1
R 300E 000N	2	33	34	193	.3	9	12	956	8.29	48	5	ND	1	7	2	2	2	85	.08	.090	6	32	.63	15	.03	4	3.46	.01	.03	1	1
R 300E 025S	6	57	57	319	.1	21	15	541	9.97	70	5	ND	2	8	1	2	2	111	.05	.055	6	39	.75	29	.05	2	6.05	.01	.04	1	2
R 300E 050S	3	23	49	187	.1	10	7	313	7.60	58	5	ND	1	5	1	2	2	109	.04	.029	4	29	.38	12	.12	2	3.52	.01	.05	1	1
R 300E 075S	4	37	23	141	1.2	7	8	323	8.99	46	5	ND	1	26	1	2	2	157	.60	.044	6	17	.21	14	.23	6	3.41	.01	.02	1	2
R 300E 100S	7	26	42	272	.4	17	11	1260	7.78	117	5	ND	1	39	2	2	2	80	1.09	.064	4	38	.63	29	.01	3	2.87	.01	.05	1	1
R 300E 125S	9	29	58	250	1.1	19	16	1707	8.81	155	5	ND	2	4	1	2	2	68	.05	.062	11	47	1.34	30	.01	2	3.77	.01	.05	2	2
R 300E 150S	7	16	31	145	.2	15	10	671	7.81	136	5	ND	1	8	1	2	2	102	.15	.067	7	40	.57	16	.03	3	3.10	.01	.03	1	1
R 300E 175S	5	44	41	128	.5	19	13	1110	5.98	54	5	ND	1	9	1	2	2	38	.20	.079	12	25	.56	18	.01	5	1.58	.01	.04	1	4
STD C/AU-S	17	61	42	132	7.0	67	30	1057	4.20	40	21	7	38	48	18	16	21	59	.49	.096	39	55	.91	177	.07	37	2.00	.06	.14	11	53

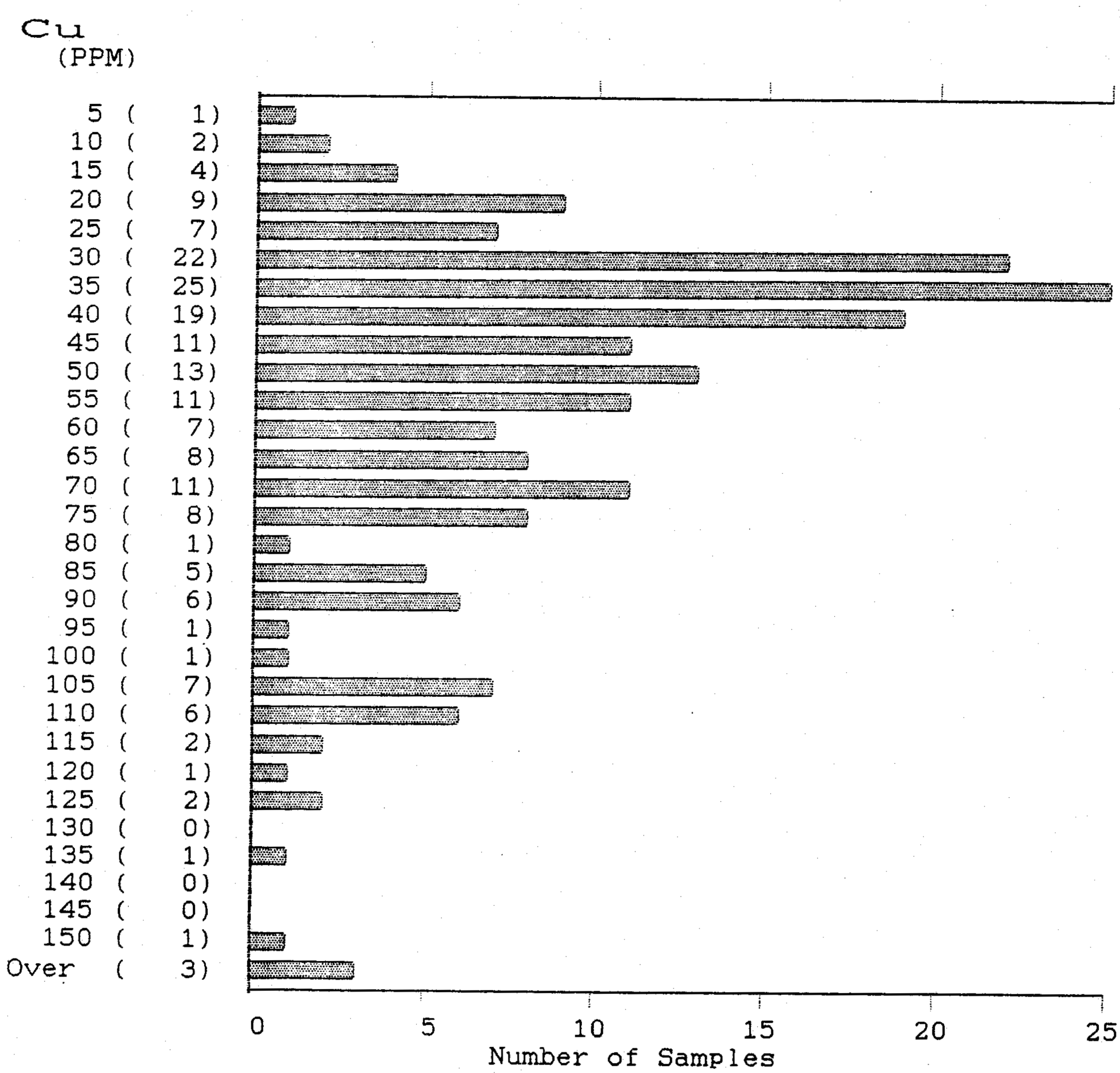
SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
R 350E 450N	3	26	24	192	.1	10	8	523	8.14	47	5	ND	1	5	1	5	2	105	.04	.079	5	31	.54	14	.08	2	4.47	.01	.02	1	1
R 350E 425N	4	27	31	205	.3	10	9	526	8.87	60	5	ND	1	5	1	7	2	107	.04	.078	5	37	.60	15	.07	2	4.54	.01	.02	2	2
R 350E 400N	3	29	27	214	.2	9	8	479	9.15	57	5	ND	1	5	1	7	2	110	.04	.094	5	36	.55	15	.08	3	4.81	.01	.02	1	1
R 350E 375N	1	84	13	206	.1	32	21	1429	6.94	54	5	ND	1	36	1	5	2	116	.95	.100	12	46	1.76	26	.04	6	3.10	.02	.06	1	2
R 350E 300N	1	119	17	284	.1	32	28	2150	7.97	96	5	ND	1	38	2	6	2	108	1.27	.133	15	41	1.63	31	.03	7	3.41	.01	.05	1	19
R 350E 275N	3	67	28	529	.2	20	21	1632	6.93	138	5	ND	1	33	5	2	2	68	1.05	.098	10	27	1.14	23	.04	8	2.57	.01	.04	1	7
R 350E 250N	4	34	22	235	.3	11	13	610	7.80	44	5	ND	1	9	1	3	2	110	.15	.060	7	29	.48	18	.08	2	4.60	.01	.03	1	3
R 350E 225N	5	35	24	231	.3	12	13	610	7.97	47	5	ND	1	9	1	7	2	111	.13	.066	7	28	.46	18	.08	3	4.74	.01	.03	2	2
R 350E 200N	6	38	22	255	.3	14	14	657	8.12	48	5	ND	1	8	1	7	2	105	.11	.071	7	29	.50	22	.08	5	5.36	.01	.03	2	1
R 350E 175N	7	41	22	270	.3	14	15	736	8.30	47	5	ND	1	9	1	8	2	103	.13	.073	7	31	.52	23	.08	3	5.60	.01	.03	1	1
R 350E 150N	5	36	26	241	.4	11	13	662	7.96	47	5	ND	1	9	1	7	2	108	.14	.062	7	28	.46	20	.09	3	5.05	.01	.03	1	2
R 350E 125N	4	34	29	404	.1	13	13	1250	6.83	87	5	ND	1	7	1	7	2	106	.10	.061	11	33	.41	19	.06	2	4.14	.01	.02	1	1
R 350E 100N	5	72	23	407	.1	21	20	1387	8.06	84	5	ND	1	19	4	6	2	65	.31	.092	19	25	.96	21	.03	4	2.85	.01	.04	1	2
R 350E 075N	3	28	28	213	.2	9	9	504	9.06	62	5	ND	1	5	1	5	2	109	.05	.083	5	35	.59	16	.08	2	4.65	.01	.02	2	1
R 350E 050N	5	35	23	242	.3	13	14	680	7.87	45	5	ND	1	8	1	6	2	109	.11	.062	7	29	.52	21	.08	3	5.11	.01	.03	1	1
R 350E 025N	6	34	22	233	.3	12	13	572	7.90	43	5	ND	1	8	1	5	2	110	.10	.060	7	28	.47	19	.08	2	4.88	.01	.02	1	1
R 350E 000N	6	37	20	244	.4	13	13	627	8.07	43	5	ND	1	8	1	7	2	106	.12	.070	7	28	.48	20	.08	3	5.30	.01	.02	1	3
R 350E 025S	4	32	21	213	.3	9	13	1095	6.67	60	5	ND	1	9	1	8	2	72	.12	.074	9	24	.71	18	.06	8	3.92	.01	.03	1	1
R 350E 050S	4	33	14	93	.6	8	9	661	6.17	23	5	ND	1	24	1	2	2	71	.23	.070	5	23	.64	16	.05	2	4.30	.01	.02	1	1
R 350E 075S	6	22	10	101	.6	12	9	474	6.82	42	5	ND	1	6	1	3	2	71	.03	.065	3	28	.33	23	.01	2	2.78	.01	.02	1	2
R 350E 100S	9	18	13	134	.9	17	7	207	5.68	92	5	ND	1	5	1	3	2	76	.02	.046	5	16	.09	22	.01	2	1.88	.01	.02	3	1
R 350E 125S	9	24	16	187	.8	38	12	1166	7.72	63	5	ND	1	23	1	6	2	54	.81	.078	11	30	.23	55	.01	2	3.15	.01	.03	1	1
R 400E 250N	4	90	31	707	.2	20	20	5179	7.36	94	5	ND	1	48	13	5	2	72	.84	.137	17	29	.79	53	.03	4	3.91	.01	.03	1	4
R 400E 225N	4	55	13	132	.1	9	8	407	8.47	33	5	ND	1	8	1	3	2	121	.07	.063	7	22	.47	22	.03	2	3.38	.01	.02	1	1
R 400E 200N	6	49	17	108	.2	8	6	194	6.29	34	5	ND	1	10	1	3	2	123	.03	.029	3	15	.19	18	.01	2	2.41	.01	.02	1	4
R 400E 175N	5	102	25	324	.1	22	21	779	8.22	55	5	ND	1	7	1	6	2	77	.05	.097	8	33	.72	29	.05	2	5.71	.01	.03	1	1
R 400E 150N	3	36	18	166	.2	12	6	303	9.08	38	5	ND	1	12	1	2	2	121	.08	.028	4	41	.74	17	.13	2	2.66	.01	.02	1	2
R 400E 125N	4	52	25	323	.1	23	20	1506	7.24	67	5	ND	1	15	3	6	2	87	.18	.100	12	31	.68	31	.06	2	5.10	.01	.03	1	1
R 400E 100N	11	55	33	555	.1	13	24	1093	8.57	233	5	ND	1	13	3	6	2	98	.15	.080	10	42	.67	32	.06	2	5.32	.01	.02	1	1
R 400E 075N	8	59	32	436	.1	18	19	640	7.76	118	5	ND	1	8	3	11	3	80	.08	.096	21	36	.64	22	.06	4	6.46	.01	.02	1	1
R 400E 050N	8	42	36	214	.5	15	12	470	8.62	50	5	ND	1	8	1	6	2	65	.02	.049	5	27	.59	34	.01	2	5.20	.01	.03	2	1
R 400E 025N	1	23	40	159	1.0	7	5	309	7.06	22	5	ND	1	5	1	2	2	126	.04	.029	7	39	.69	31	.08	2	3.15	.01	.02	1	1
R 400E 000N	4	39	24	124	.1	10	8	468	9.04	41	5	ND	1	10	1	6	2	116	.08	.038	8	36	.64	19	.11	2	4.99	.01	.02	3	1
R 400E 025S	3	26	11	86	.5	7	5	232	7.50	21	5	ND	1	13	1	5	2	120	.13	.090	4	30	.31	23	.16	2	4.91	.01	.02	2	2
R 400E 050S	3	24	21	117	.3	10	6	242	7.30	25	5	ND	1	11	1	3	2	83	.10	.052	4	27	.35	18	.04	2	4.50	.01	.02	1	2
R 400E 075S	4	17	20	94	.4	8	7	288	9.93	66	5	ND	1	4	1	9	2	84	.02	.091	7	36	.17	17	.01	3	3.65	.01	.02	3	2
STD C/AU-S	18	61	40	132	7.1	70	31	1027	4.18	44	22	8	37	48	19	17	24	60	.50	.097	40	58	.91	177	.07	40	2.01	.06	.14	12	47

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
R 400E 100S	5	18	13	126	.4	16	10	257	5.37	35	5	ND	1	7	1	2	2	40	.04	.037	8	25	.38	26	.02	6	3.90	.01	.03	3	1
R 400E 125S	5	18	7	98	.2	10	5	85	4.73	16	5	ND	1	8	1	2	3	56	.03	.020	4	16	.17	17	.05	5	1.91	.01	.02	2	1
R 400E 150S	1	5	5	161	.3	2	2	60	.27	4	5	ND	1	43	1	2	2	3	.25	.029	2	2	.08	12	.01	3	.20	.02	.03	1	1
R 0E 250S 300W	1	6	3	55	.3	3	3	80	.68	6	5	ND	1	15	1	2	2	30	.20	.009	2	5	.04	7	.01	7	.22	.01	.02	1	1
R 0E 250S 275W	3	19	15	40	.4	3	6	190	6.44	30	5	ND	1	13	1	2	2	183	.26	.023	4	10	.39	11	.09	5	1.97	.01	.02	1	1
R 0E 250S 250W	1	9	5	29	.4	1	4	93	3.23	23	5	ND	1	6	1	2	2	98	1.07	.012	2	4	.13	6	.05	2	1.13	.01	.01	1	1
R 0E 250S 225W	3	13	7	33	.3	2	5	97	4.33	39	5	ND	1	10	1	2	2	132	.30	.018	4	4	.15	11	.03	4	1.75	.01	.02	1	1
R 0E 250S 200W	7	32	14	167	.2	25	15	495	10.08	72	5	ND	2	11	1	2	2	102	.05	.031	6	44	.95	30	.12	5	4.79	.01	.03	2	1
R 0E 250S 175W	6	35	16	191	.1	32	16	568	10.17	71	5	ND	2	10	1	2	2	92	.07	.035	8	42	1.13	34	.12	8	5.00	.01	.04	3	1
R 0E 250S 150W	6	33	20	185	.1	31	15	535	9.97	71	5	ND	2	10	1	5	2	93	.06	.034	7	44	1.12	34	.12	8	4.93	.01	.04	5	1
R 0E 250S 125W	7	32	15	170	.1	28	14	489	9.98	63	5	ND	2	9	1	3	2	92	.06	.035	8	44	1.11	33	.11	5	4.87	.01	.04	1	1
R 0E 250S 100W	6	34	24	180	.2	32	15	535	10.49	69	5	ND	3	9	1	5	2	94	.06	.036	8	44	1.18	35	.11	8	5.05	.01	.04	3	2
R 0E 250S 075W	6	32	11	172	.1	28	14	510	9.54	67	5	ND	2	10	1	2	2	91	.06	.034	7	43	1.07	30	.11	4	4.75	.01	.04	1	1
R 0E 250S 050W	7	35	14	180	.1	29	15	506	9.87	71	5	ND	2	12	1	2	2	95	.06	.033	5	46	1.03	33	.14	5	4.90	.01	.04	2	1
R 0E 250S 025W	7	35	17	189	.1	32	16	521	10.18	76	5	ND	2	11	1	3	2	90	.06	.035	6	46	1.05	34	.13	7	5.09	.01	.04	3	4
STD C/AU-S	18	60	40	133	7.0	67	30	1014	4.32	44	16	7	37	48	18	18	18	59	.49	.094	39	55	.92	179	.07	38	2.04	.06	.14	12	48

APPENDIX II

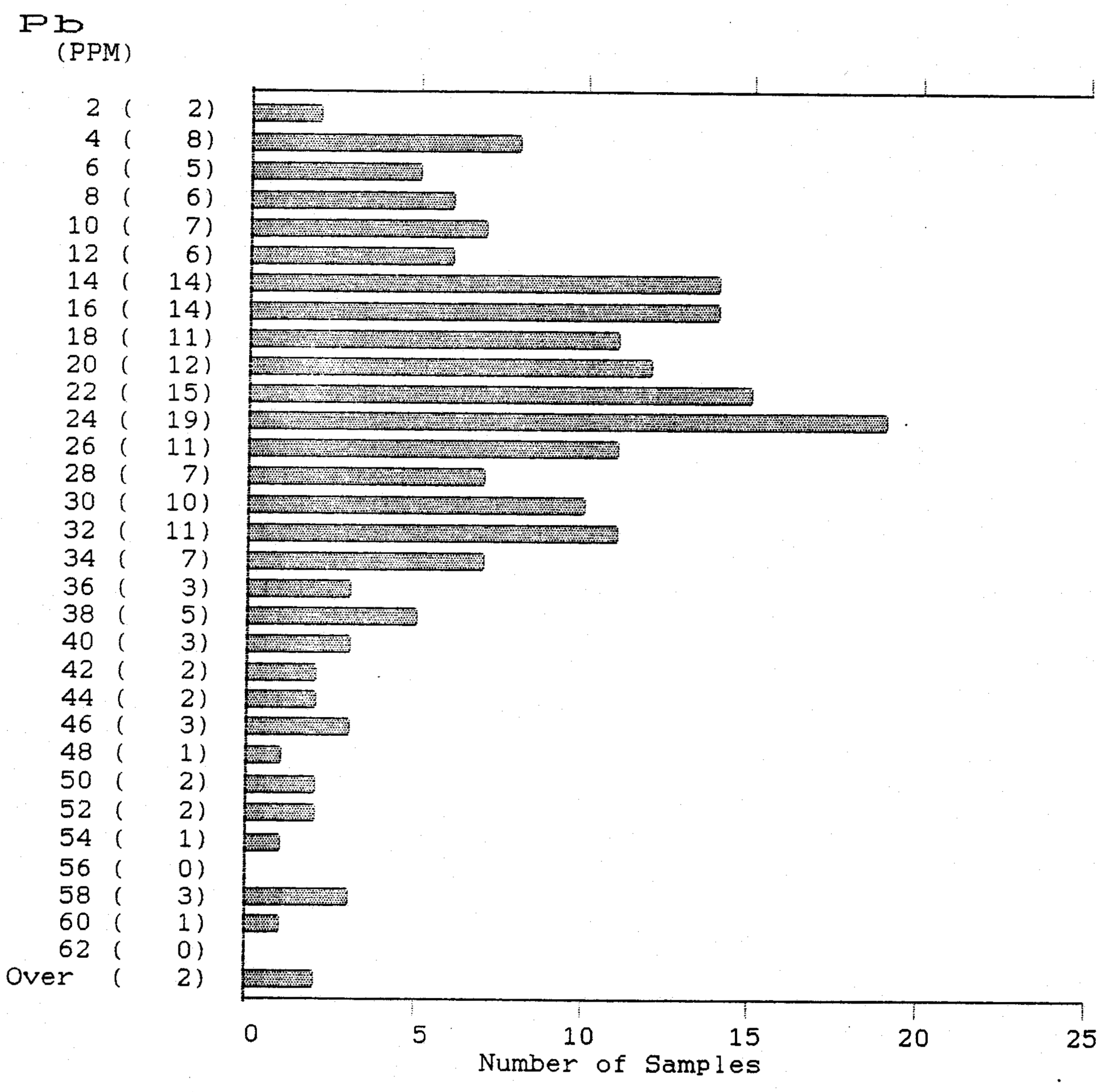
Statistical analysis for geochemical
Zn,Ag,Pb,Cu, and Au.

JAMES W. LAIRD (88-5506)



195 Samples	Maximum:	339	Mean:	55
	Minimum:	5	Median:	44
			Standard Deviation:	39

JAMES W. LAIRD (88-5506)

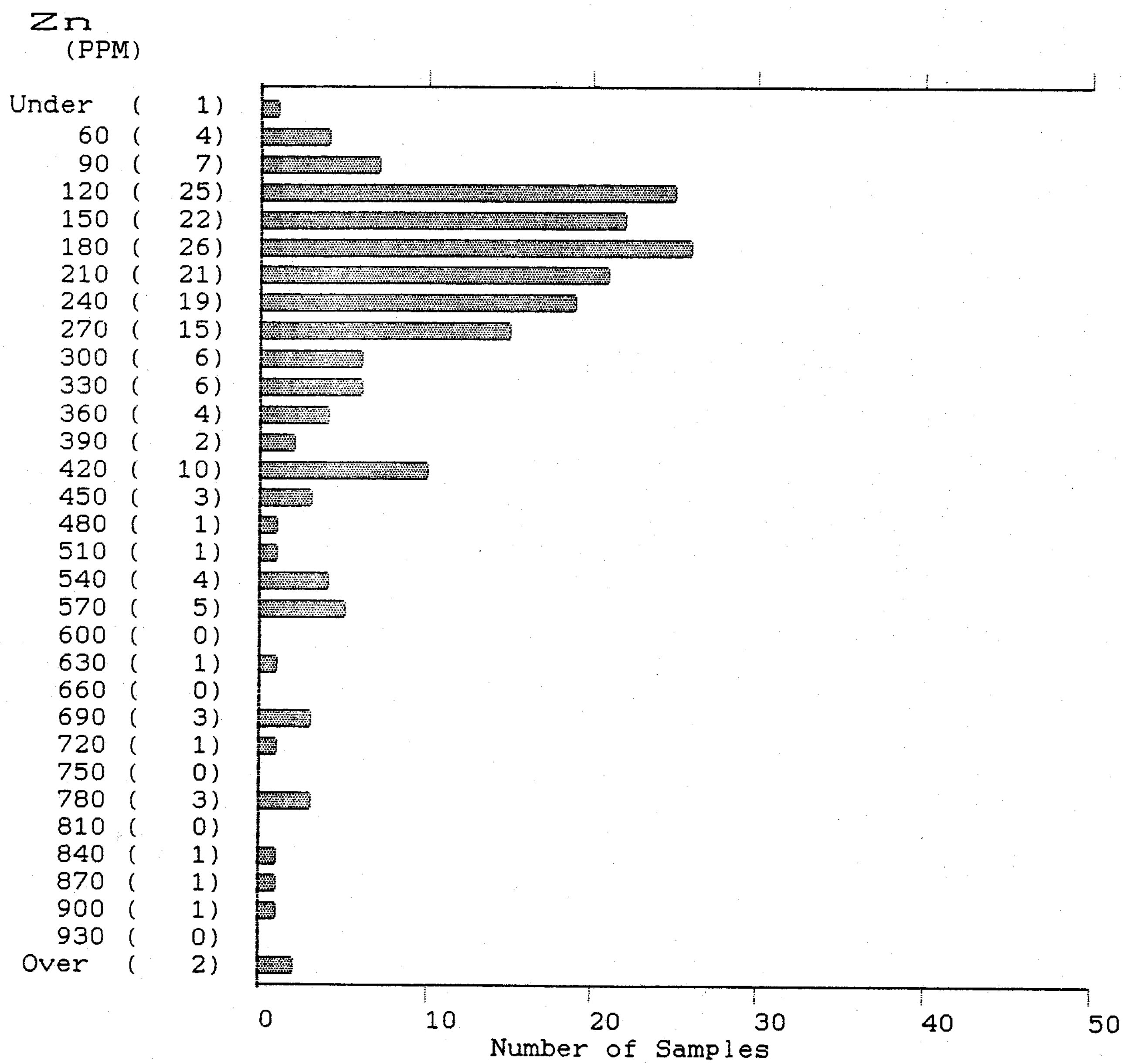


195 Samples

Maximum: 76
Minimum: 2

Mean: 24
Median: 22
Standard Deviation: 13

JAMES W. LAIRD (88-5506)

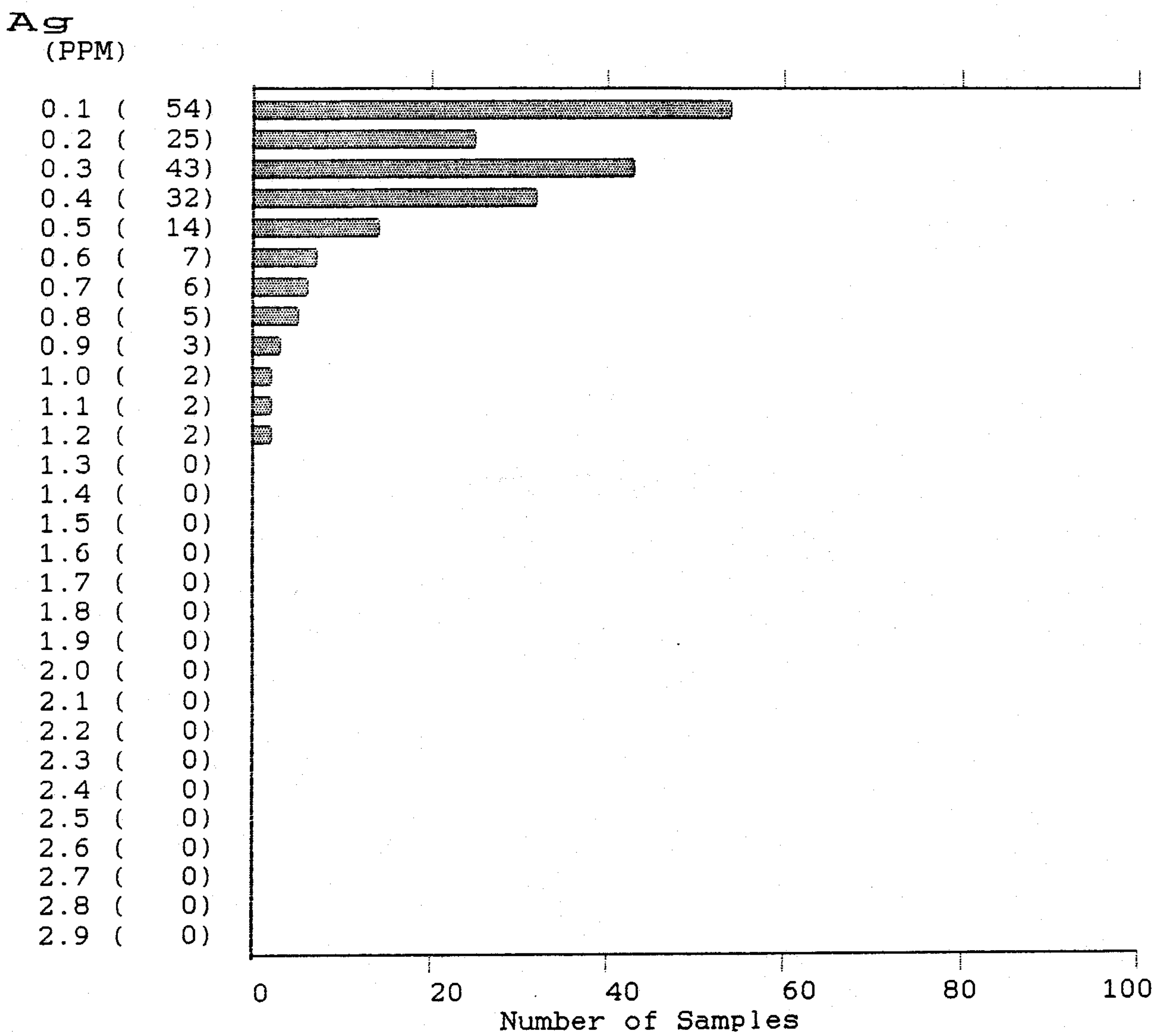


195 Samples

Maximum: 2814
Minimum: 29

Mean: 265
Median: 192
Standard Deviation: 256

JAMES W. LAIRD (88-5506)

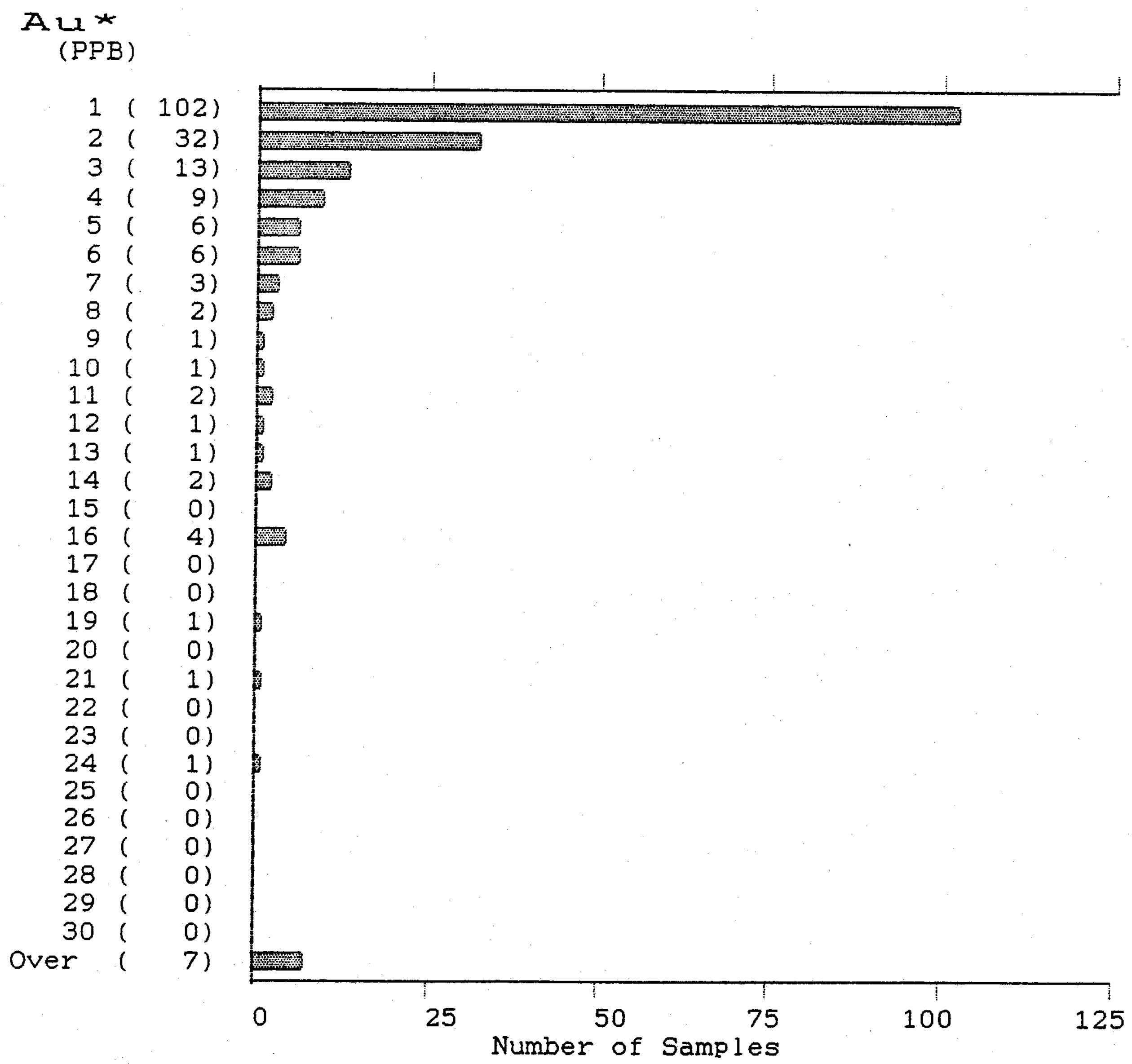


195 Samples

Maximum: 1.2
Minimum: 0.1

Mean: 0.3
Median: 0.3
Standard Deviation: 0.2

JAMES W. LAIRD (88-5506)



195 Samples	Maximum:	81	Mean:	5
	Minimum:	1	Median:	1
			Standard Deviation:	11