GEOCHEMICAL REPORT
ON THE
JEMIMA PROPERTY
OMINECA MINING DIVISION
BRITISH COLUMBIA

Prepared for

ELECTRA RESOURCES CORPORATION

by

ANDY GLATIOTIS (B.Sc. Geology)

February 1980

TABLE OF CONTENTS

LIST OF FIGURES

INTRODUCTION

Electra Resources Corporation carried out a geochemical survey in fulfillment of an option agreement with Larry Owen, Lucy Owen and Stan Porayko, the owners of the Jemima Property.

This report was commissioned by Mr. Douglas Stelling, a director of Electra. Its purpose is to provide a statistically significant assessment of the data, to make recommendations for further work and to provide a summary of expenses for filing of assessment work.

The writer played no part in the collection of data and is concerned only with its presentation.

LOCATION AND ACCESS (Fig. 1)

Lat. 55°57'N; Long. 124°47'W
N.T.S. Map Sheet 93N/15W+E
18 km. slightly west of north from Germansen Landing, Omineca Mining Division, British Columbia.

Access is by approximately 30 km. of dirt road from Germansen Landing. Most of this route is mining access road which has not been maintained over the last 3 or 4 years. A helicopter is available in Germansen Landing during the summer.

PROPERTY AND TITLE

The property consists of seven claim units staked by the two-post system (Jemima nos. 3, 4, 17 to 20 and 22) and two claims staked under the modified grid system and containing a total of nine partial units between them.

The following information was obtained from the records of the Vancouver Gold Commissioner's Office.

FIG. 1

LOCATION OF

JEMIMA PROPERTY

W.G. SMITHERINGALE & ASSOCIATES LTD.

SCALE

Kilometres 100 0 100 200 300 400 500

DWN BY: TM

MAY 1979

Claim Name	Record Number	Expiry Date
Jemima #3	131586	September 26, 1979
Jemima #4	131587	"
Jemima #17	131600	"
Jemima #18	131601	"
Jemima #19	131602	"
Jemima #20	131603	"
Jemima #22	131605	"
Leslie #1	1515	October 26, 1979
Leslie #2	1516	"

Note: the expiry date will alter to 1983 with the filing of this report.

The claim maps show Jemima 3 and 4 as full units and Jemima 17 to 20 and 22 as partial units.

OWNERSHIP

a) Jemima claims - Stanley Porayko holds all interest by bill of sale #4349, June 24th, 1977.

b) Leslie 1 and 2 claims - Lucy H.C. Owen.

The Jemima and Leslie claims were optioned from Larry Owen, Lucy Owen and Stan Porayko by Electra Resources Corporation according to an agreement dated April 17th, 1979.

The B.C. Ministry of Mines and Petroleum Resources claim map M93N/15W does not agree with the locations given in an assessment report filed by Cominco (report 5729, December 5th, 1975) or with information provided by Mr. Stelling. (Fig.2).

DATA BASE

Two soil sample grids were completed, both having N-S baselines. (Plate 1). Grid 1 covered the claim units Jemima 2 and

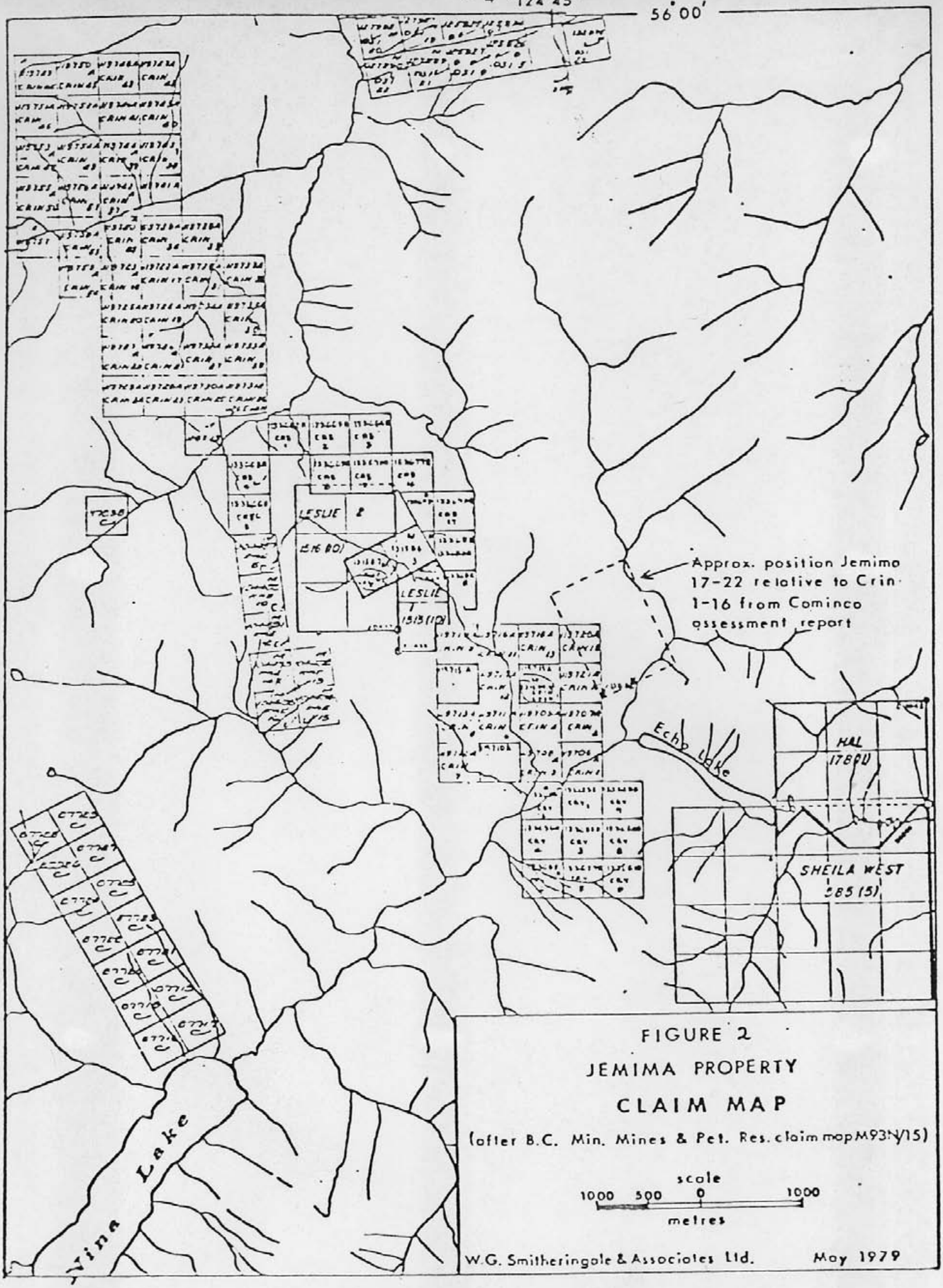


FIGURE 2

JEMIMA PROPERTY

CLAIM MAP

(after B.C. Min. Mines & Pet. Res. claim map M93N/15)

scale

1000 500 0 1000

metres

W.G. Smitheringale & Associates Ltd. May 1979

4, consisting of 222 sample locations. Grid 2 covered the claim units, Jemima 17, 18, 19 and 20, consisting of 294 sample locations.

Ten rock chip samples were taken from trenches exposing mineralization.

RESULTS

A histogram and cumulative curve were drawn to determine the statistically significant cutoff point for highly anomalous values of Pb and Zn. The color scheme, white, yellow, orange, red, was chosen to indicate increasingly anomalous values.

The strongly anomalous values for lead are 450 ppm or greater (Plate 4). The anomalous population of Pb values is well defined by a sharp break in slope of the cumulative curve. Zinc displayed a less distinct definition of the anomalous values as it is more mobile than Pb in the surface environment. Highly anomalous Zn values are 1875 ppm or greater (Plate 5).

On grid 1, the anomalies show a strong NW trend reflecting the surface expression of the carbonate host to the mineralization. On grid 2 the trend is also well defined but appears to have a N.N.E. trend.

A strong correlation between anomalous values for Pb and Zn is obvious.

The strongest anomaly corresponds to the trenched area on Grid 1. Another open ended anomaly lies at 4+50W extending from 5+00N to 7+00N. Otherwise strong anomalies are sporadic and discontinuous, lacking significant length. A pronounced zone of moderately anomalous values is present on both grids.

The chip samples from the trenches run as high as 5% combined, however, the mineralization occurs as discontinuous, irregularly shaped pods ranging in size from 10 cm. to 1 m. across.

The most encouraging chip sample came from the 7+00N, 4+50W anomaly zone having a value of 15.6% combined over a length of 4 metres.

CONCLUSIONS

The high soil anomalies have a spotty and discontinuous occurrence, lacking significant length except in the case of the main showing where the mineralization is not economically interesting due to its sporadic, discontinuous nature. The zone of moderately anomalous values indicates a widespread occurrence of mineralization through the carbonate unit with the possibility of an orebody occurring at depth.

RECOMMENDATIONS

A geophysical survey should be carried out to examine the possibility of an orebody at depth. An orientation line should be run over the main showing to determine how this mineralization responds to the geophysical technique being used.

Diamond drilling may be carried out to test the extension of the surface occurrences at depth.

Respectfully submitted,

Andy Glatiotis

ANDY GLATIOTIS, B.Sc.

STATEMENT OF QUALIFICATIONS

I, Andreas C. Glatiotis, BSc., of Vancouver, British Columbia do hereby state:

1. I am a geologist. I graduated from the University of Calgary in Calgary, Alberta in 1977 with a Bachelors degree in geology.

2. I have practised exploration geology for seven years on a seasonal basis, particularly in B.C., the Yukon and the Northwest Territories with minor experience in Tasmania.

3. I am presently employed by Electra Resources Corporation on a temporary basis.

4. I have not visited the Jemima property but have merely compiled the data into a report format.

5. The report may be used by Electra Resources Corporation to be filed for property assessment work.

DATED at VANCOUVER, B.C., the 26th day of March, 1980.

ELECTRA RESOURCES CORPORATION

Andy Glatiotis

ANDY GLATIOTIS, B.Sc.
Geologist

JEMIMA WORK STATEMENT

Geological Consulting		$1,800.00
Map Preparation		93.00
Collection of soil samples (Wages)		
Terry O'Connell - 15 days @ $70/day	$1,050.00	
Robert Cook - 15 days @ $70/day	1,050.00	
Tom Smart - 11 days @ $100/day	1,100.00	
Darcy Ethier - 2 days @ $70/day	140.00	3,340.00
Assaying:		
5-lb. soil samples for Pb and Zn	$1,372.70	
10-lb rock chip samples for Pb-Zn	130.00	1,502.70
Lead-Zinc Geochemical Kit		54.00
Camp: 63 man days @ $15/man/day		945.00
Truck Rental		580.00
Travel - C.P.Air	$ 272.00	
NT Air	608.00	880.00
Report		636.40
		$9,831.10

Plate 1

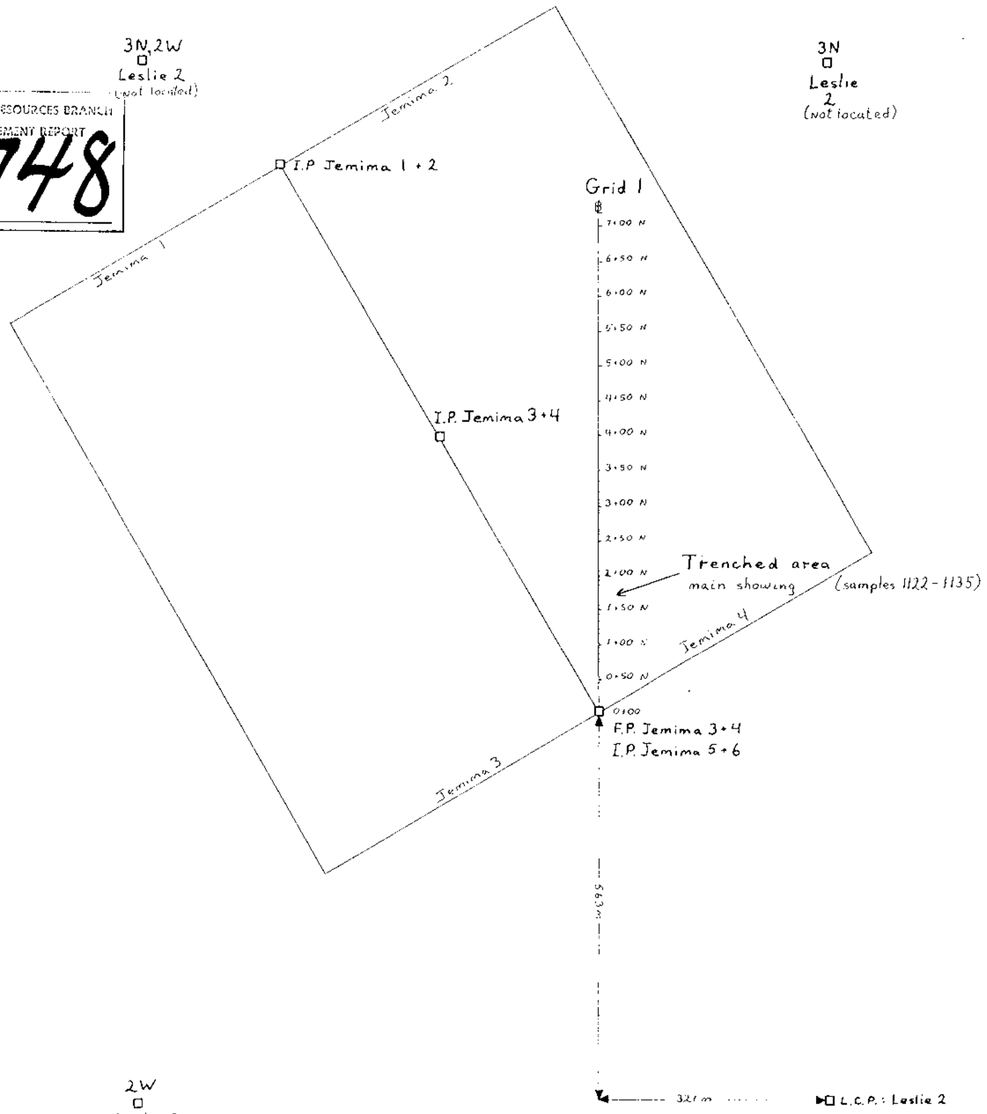
3N,2W
Leslie 2
(not located)

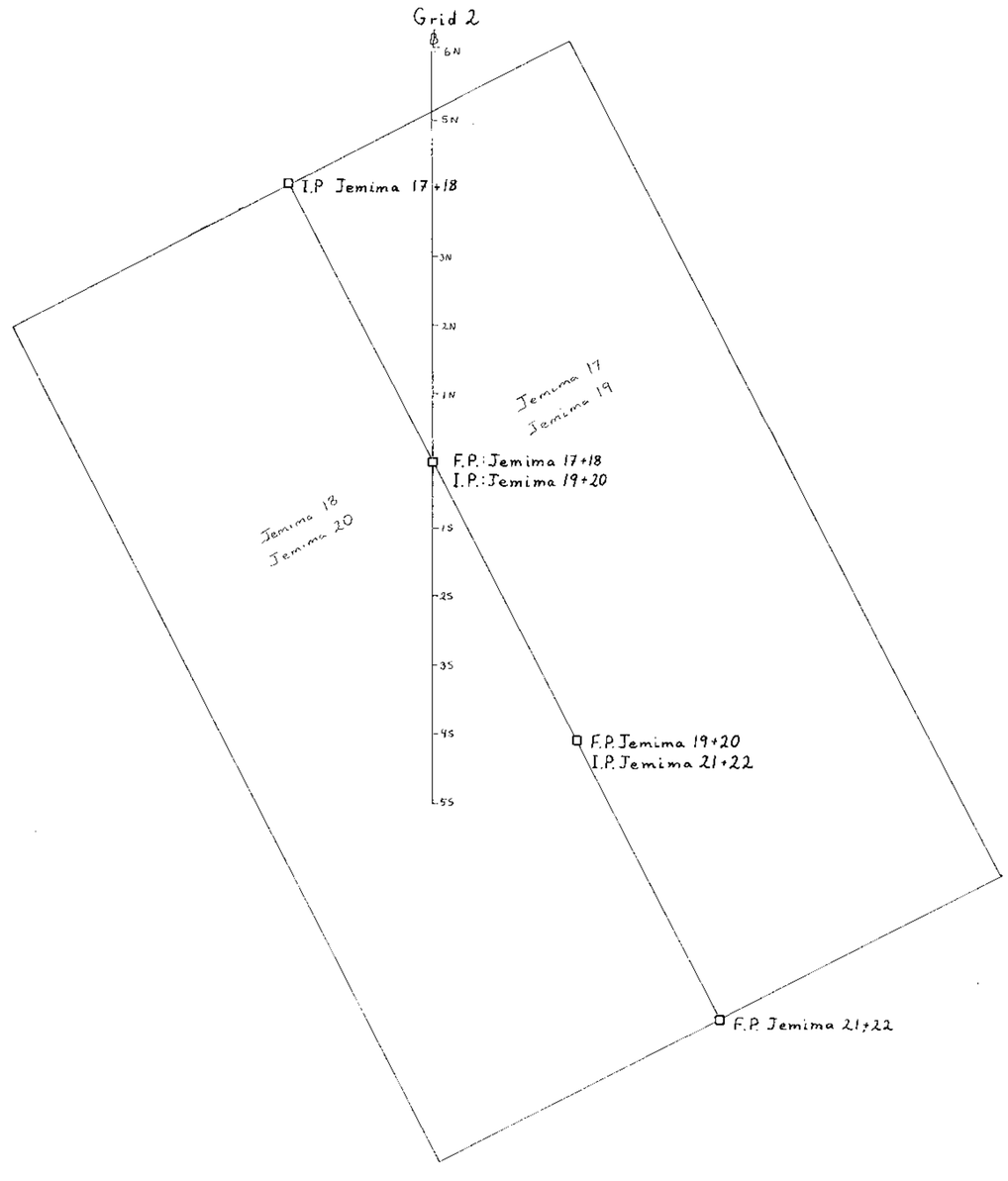
3N
Leslie
2
(not located)

2N,1E
Leslie 1

2W
Leslie 2
(not located)

1E
Leslie 1





Scale : 1 to 5000

0 400 800 1200

ELECTRA RESOURCES CORPORATION

JEMIMA PROPERTY

OMINECA MINING DIVISION
BRITISH COLUMBIA
N.T.S. 93N / 15W + E

Plate 2

Jemima Property
Grid 1

8+00 W | 7+50 W | 7+00 W | 6+50 W | 6+00 W | 5+50 W | 5+00 W | 4+50 W | 4+00 W | 3+50 W | 3+00 W | 2+50 W | 2+00 W | 1+50 W | 1+00 W | 0+50 W | 0+50 E | 1+00 E | 1+50 E | 2+00 E | 2+50 E | 3+00 E | 3+50 E | 4+00 E | 4+50 E

	8+00 W	7+50 W	7+00 W	6+50 W	6+00 W	5+50 W	5+00 W	4+50 W	4+00 W	3+50 W	3+00 W	2+50 W	2+00 W	1+50 W	1+00 W	0+50 W	0+50 E	1+00 E	1+50 E	2+00 E	2+50 E	3+00 E	3+50 E	4+00 E	4+50 E
7+00 N																									
	8	7	21	81	420	96	160	450	10	200	32	159	750	58	53	59	82								
	24	24	85	350	720	160	640	1460	59	4750	146	500	1120	185	240	175	215								
6+50 N	50	52	10	180	154	330	86	930	250	290	69	8	31	14	72	14	36								
	111	93	28	122	270	770	440	3050	3500	1100	660	49	154	62	260	42	148								
6+00 N							94	740	680	590	52	270	186	58	120	80	68	66	118						
							108	970	1020	1790	310	1020	320	370	480	280	168	410	280						
5+50 N									162	1380	320	680	280	220	150	195	24	210	1180						
									147	390	660	910	1000	1000	350	410	83	640	810						
5+00 N							28	24	44	180	940	200	144	290	195	390	122	220	640						
							54	90	43	194	480	685	260	400	1560	760	280	375	810						
4+50 N							20	20	26	48	63	34	1020	160	390	173	130	52	78	48	160				
							46	45	67	120	110	96	660	760	840	460	260	360	140	141	400				
4+00 N							23	22	38	16	34	59	182	142	172	152	51	60	180	54	186	40	48		
							118	310	420	60	111	124	172	1260	1640	950	160	340	260	108	200	100	158		
3+50 N								22	27	26	20	37	28	240	230	77	325	400	195	164	200	100	42	41	
								65	95	100	96	200	140	140	980	680	190	640	600	460	930	350	300	150	
3+00 N									27	32	26	23	32	34	220	810	215	186	460	260	440	1300	78	32	20
									90	130	160	55	90	134	160	1720	685	520	960	740	810	1600	79	124	149
2+50 N									22	18	19	24	20	58	72	1500	410	83	31	46	400	112	80	28	
									165	190	170	180	54	330	192	700	315	350	130	196	550	475	110	240	
2+00 N										45	20	21	20	26	48	480	1270	74	70	56	150	44	30	16	30
										90	33	116	86	112	260	110	1130	580	250	230	790	58	34	23	52
1+50 N											22	20	28	250	11500	595	18	130	35	36	65	22	28		
											90	66	142	390	5170	1720	34	540	69	60	56	34	115		
1+00 N												23	15	44	126	20	23	21	20	26	11	36	22	48	
												155	35	145	92	50	105	55	25	55	26	58	32	165	
0+50 N												18	25	25	26		23	26	22	31	36	31	32	22	
												101	265	82	103		70	80	63	52	44	48	57	65	
0+00												15	240	29	37	39	14	50	20	13	26	20	17	95	
												85	2700	186	122	80	25	180	55	55	90	75	55	55	

- > 1875 ppm. Zn.
- 900 - 1875 ppm Zn
- 430 - 899 ppm Zn.
- 0 - 429 ppm Zn.

Pb
Zn

Scale: 1 to 2500

0 — 50m — 100m — 150m

Plate 3

Jemima Property Grid 2

6+00 N
5+50 N
5+00 N
4+50 N
4+00 N
3+50 N
3+00 N
2+50 N
2+00 N
1+50 N
1+00 N
0+50 N
0+00
0+50 S
1+00 S
1+50 S
2+00 S
2+50 S
3+00 S
3+50 S
4+00 S
4+50 S
5+00 S
5+50 S
6+00 S

4+50 W 4+00 W 3+50 W 3+00 W 2+50 W 2+00 W 1+50 W 1+00 W 0+50 W 0 0+50 E 1+00 E 1+50 E 2+00 E 2+50 E 3+00 E 3+50 E 4+00 E 4+50 E 5+00 E 5+50 E

- ☐ > 450 ppm Pb
- ☐ 225 - 450 ppm Pb
- ☐ 75 - 449 ppm Pb.
- ☐ 0 - 74 ppm Pb.

Pb
Zn

Scale: 1 to 2500

0 50m 100m 150m

Plate 4

JEMIMA PROPERTY

Histogram and Cumulative Curve for:

Pb

Plate 5

JEMIMA PROPERTY

Histogram and Cumulative Curve for:

Zn

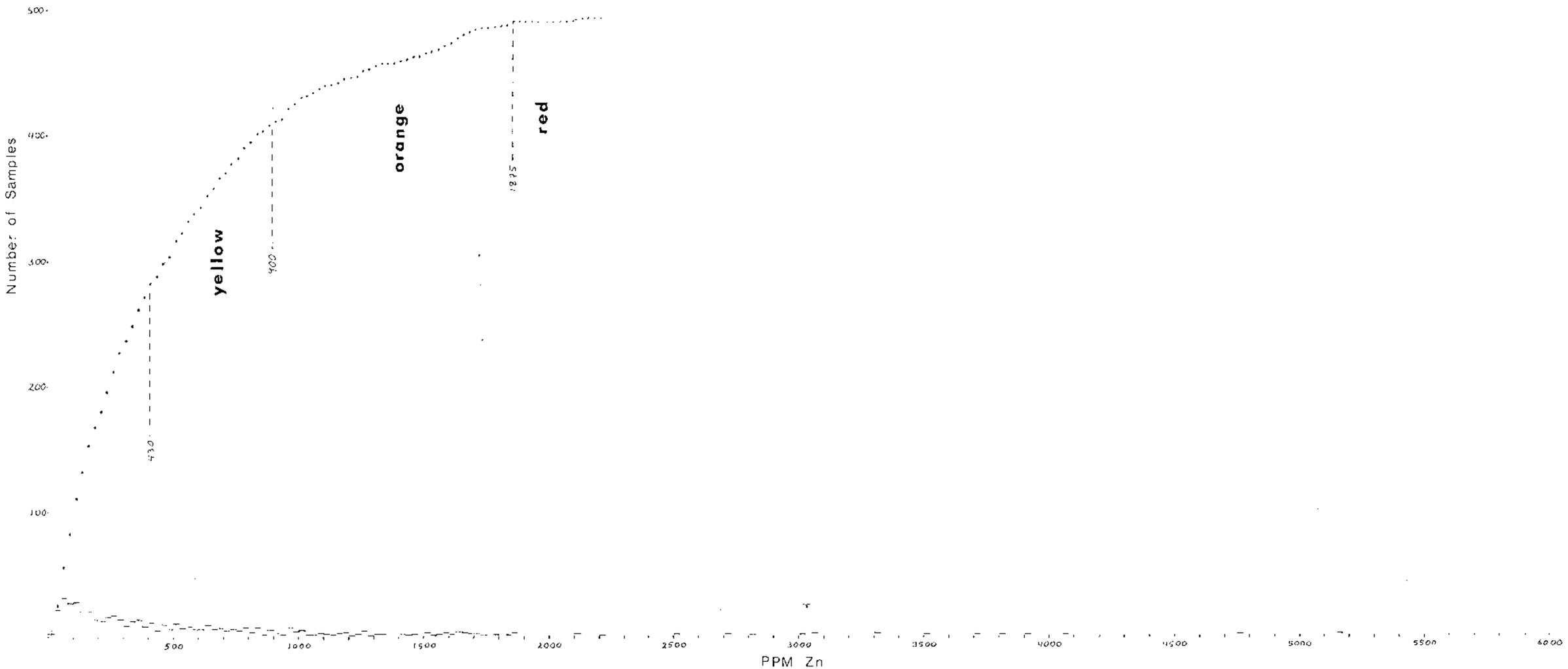
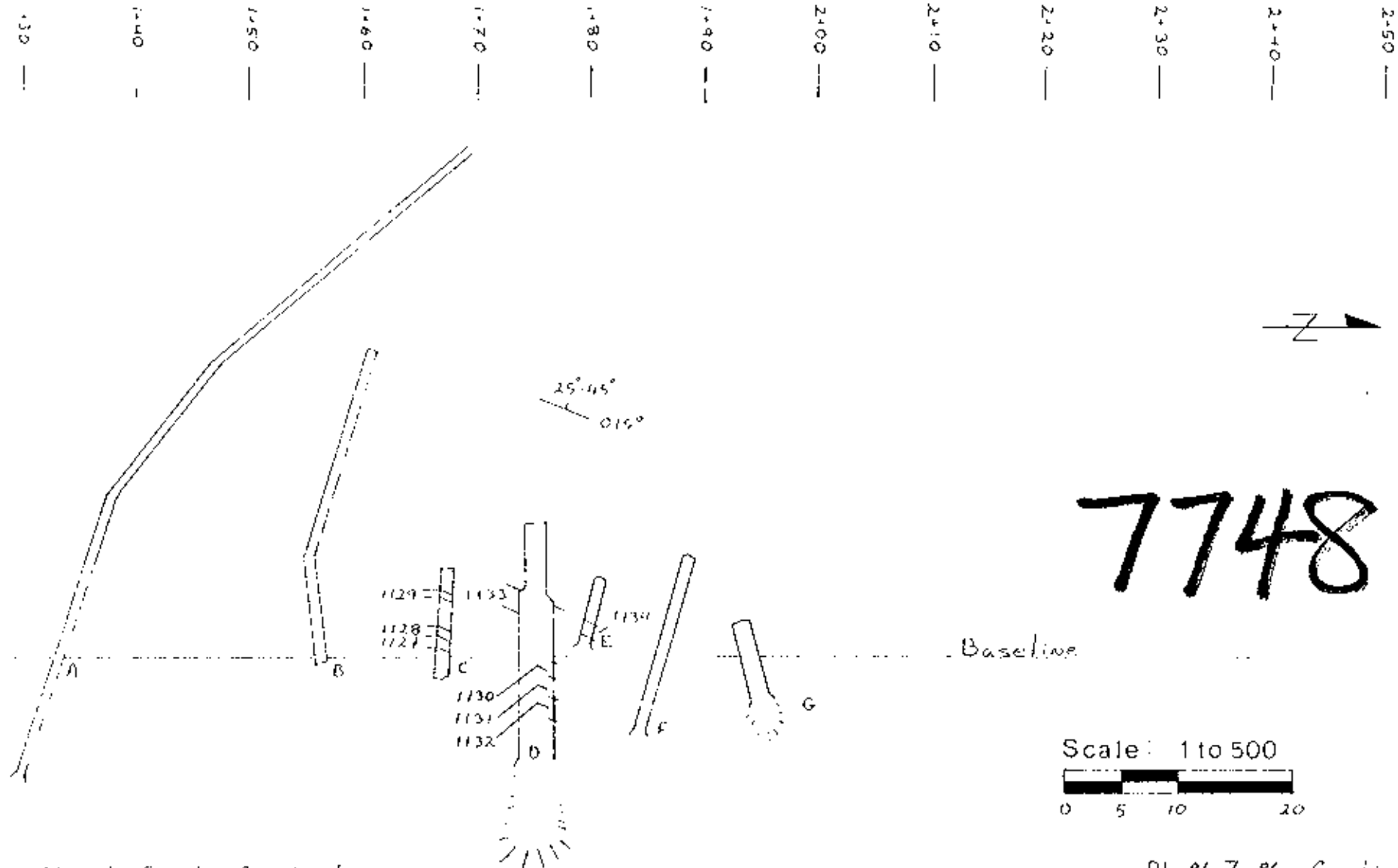


Plate 6



7748

Trench	Sample No	Co-ordinates	Type + width	Pb %	Zn %	Combined
C	1127	1+66N 0+1.5W	channel, 0.8 m perp. to bedding	.01	1.39	1.4
C	1128	1+66N 0+2.5W	" , 0.8 m " " "	.31	1.00	1.31
C	1129	1+66N 0+3.5W	continuous chip, 0.5 m perp. to bedding	1.78	3.11	4.89
D	1130	1+15N 0+1.0E	" " , 1.1 m " " "	.39	.86	1.25
D	1131	1+75N 0+3.0E	chips over 2.0 m " " "	1.29	2.57	3.86
D	1132	1+75N 0+4.5E	continuous chip, 1.1 m " " "	.99	2.32	3.31
D	1133	1+75N 0+5.0W	" " , 1.5 m " " "	.08	1.47	1.55
E	1134	1+80N 0+2.0W	chips over 1.3 m horizontal in direction 285°	.06	1.10	1.16
G	1135	1+90N 0+3.0W	channel, 0.45 m perp. to bedding	1.02	2.70	3.72
	1126	7+00N 4+50W	chips over 4.0 m horizontal in direction 215°	.11	14.95	16.06