

ARIS SUMMARY SHEET

District Geologist, Kamloops

Off Confidential: 90.01.27

ASSESSMENT REPORT 18329

MINING DIVISION: Lillooet

PROPERTY: Swan
LOCATION: LAT 50 50 00 LONG 122 53 00
UTM 10 5631078 508216
NTS 092J15W

CAMP: 034 Bridge River Camp

CLAIM(S): Swan
OPERATOR(S): Van Benten, L.
AUTHOR(S): Sampson, C.J.
REPORT YEAR: 1988, 28 Pages

COMMODITIES

SEARCHED FOR: Gold

KEYWORDS: Bridge River Group, Chert

WORK
DONE: Geochemical, Physical

LINE 18.3 km

SOIL 281 sample(s) ; AG, AS, SB, CU, PB, ZN
Map(s) - 3; Scale(s) - 1:2500

RELATED
REPORTS: 17025

LOG NO: 0201

3

ACTION:

FILE NO:

REPORT ON
GEOCHEMICAL SOIL SAMPLING

SWAN CLAIMS
GOLDBRIDGE AREA
LILLOOET MINING DIVISION
BRITISH COLUMBIA

FILMED

Latitude: 50°51'N

Longitude: 122°52'W

N.T.S. 92-J-15W

for

Mr. S. BELZBERG

Vancouver, B.C.
10 December 1988

Chris J. Sampson, P.Eng.
Consulting Geologist

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,329

SAMPSON ENGINEERING INC.

2696 West 11th Avenue
Vancouver, B.C. V6K 2L6

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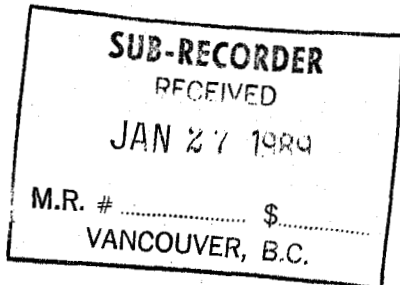
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SAMPSON ENGINEERING INC.

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INTRODUCTION

During mid-October 1988 a geochemical soil sampling programme was carried out over the Swan Claims, which are situated near Goldbridge in the Bridge River area, British Columbia. This report describes results of that soil sampling programme.

PROPERTY, LOCATION, ACCESS

The Swan Claims are situated 3 kms due west of Goldbridge in the Bridge River area, B.C. Access is easily gained to the claim group by means of the highway which joins Goldbridge with the community of Gun Lake. This highway runs across the southwestern corner of the claim group. A network of logging roads gives access to the claim group.

The property ranges in elevation from 2452 feet on Downton Lake on the southern side of the claim group to a high of 4000 feet at the northern end of the claim group towards Mount Sola which occurs just to the east and has an elevation of 4240 feet.

The property consists of three metric unit claims as follows:

<u>Claim</u>	<u>Record No.</u>	<u>No. of Units</u>	<u>Current Expiry Date</u>
Swan	3666	16	23 March 1989
Swan I	3683	3	27 April 1989
Swan II	3686	<u>4</u>	27 April 1989
		23 Units	

HISTORY

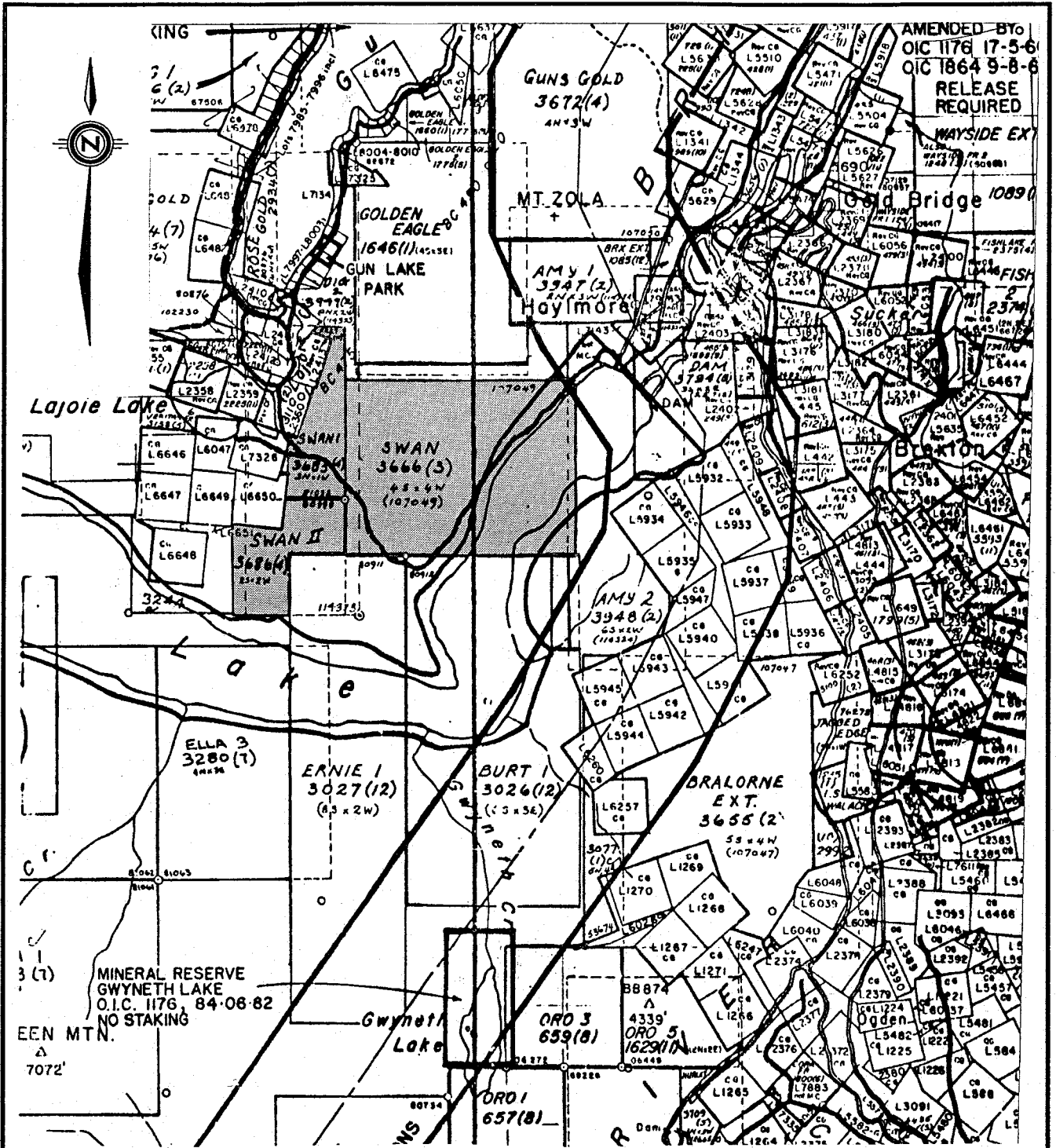
There is no recorded history of exploration on the claims.

GEOLOGY

The property is principally underlain by thin bedded cherts of the Fergusson series.

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AMENDED BY:
OIC 1176 17-5-6
OIC 1864 9-8-6
RELEASE
REQUIRED
WAYSIDE EXT



Chris J. Sampson

SWAN CLAIMS	
LILLOOET MINING DIVISION, B.C.	NTS: 92 J/15
CLAIM MAP	
<p>SCALE 1:50 000</p>	
DATE: NOV., 1988	FIGURE No. 1
BY: B.G./rwr	

GEOCHEMICAL SOIL SAMPLING

During mid October 1988 a crew from De La Mothe Exploration Services Ltd. ran a 1.5 km north/south baseline across the property, and a series of 100 metre spaced east/west crosslines totalling 18.3 kms. Geochemical soil samples were collected at 25 m. spacing along these crosslines on alternate lines, i.e. lines 1, 3, 7, 9, 11, 13, and 15N. Soil samples were collected from the readily recognizable B horizon in what are well developed soils. Shovels were used to dig shallow pits and obtain 100 gr. sample from the orange/brown B horizon, which is generally about 10 cms. thick in this location. These samples were placed in standard Kraft sample bags, and shipped to Min-En Laboratories in North Vancouver for analysis.

The 282 samples that were collected were analyzed by Min-En Laboratories for 6 elements by ICP methods (silver, arsenic, lead, zinc, antimony and copper). Values obtained for each metal were plotted on histograms assuming a log normal distribution, which is the standard distribution of values in the Bridge River area, and anomalous values calculated for each element. Details of analytical procedures and results of the geochemical analyses, together with statistical studies of the results for each element are given in Appendix A. The distribution of values for the elements were plotted on 3 maps as follows:

Fig. 2: Arsenic and Silver

Fig. 3: Lead and Zinc

Fig. 4: Antimony and Copper.

The following values were regarded as anomalous:

Ag	1.1 ppm
As	35 ppm
Pb	28 ppm
Zn	215 ppm
Cu	75 ppm
Sb	14 ppm.

The geochemical maps show the location of 3 anomalous areas. Anomaly A, which is situated in the northwestern part of the claim group, between lines 9N and 15N, shows weak arsenic and silver values with some coincident copper values, in particular one very strong value of 1995 ppm copper.

Anomaly B on the eastern side of the claim group, on lines 9N and 11N, contains generally weak but coincident values in all six elements.

Anomaly C again shows coincident lead-zinc values with some coincident values in the other four elements tested.

COST STATEMENT FOR ASSESSMENT WORK CREDITSCONTRACT SERVICES:

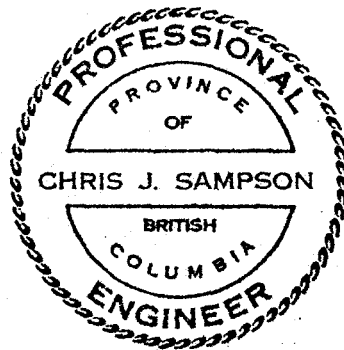
Grid Layout: 18.3 km at \$160/km	\$2,928.00
Soil Sampling: 10 mandays at \$160/day (De La Mothe Exploration Services, N. Vanc., B.C.)	1,600.00
Field Supervision: K. Embree 1 day at \$200/day plus expenses	261.18
Geochemical Analyses: (Min-En Labs, N. Vanc., B.C.)	1,901.30
Sampson Engineering: 2 days Consulting, Report preparation at \$300/day	600.00
Drafting: (RWR Drafting Services)	619.75
Typing and Printing	<u>100.00</u>
	<u>\$8,010.23</u>

SAMPSON ENGINEERING INC.2696 West 11th Avenue
Vancouver, B.C. V6K 2L6

CERTIFICATE

I, Christopher J. Sampson, of 2696 West 11th Avenue, Vancouver, B.C. V6K 2L6, hereby certify that:

1. I am a graduate (1966) of the Royal School of Mines, London University, England with a Bachelor of Science degree (Honours) in Economic Geology.
2. I have practised my profession of mining exploration for the past 22 years in Canada, Europe, United States and Central America. For the past 12 years I have been based in British Columbia.
3. I am a consulting geologist. I am a registered member in good standing of the Association of Professional Engineers of British Columbia.
4. I have not written any other reports on the Swan claims, but have written reports on several other properties within 10 kms. of those claims.
5. The present report is based on knowledge gained from a visit to the property in October 1988, study of published and unpublished reports and supervision of work programmes.



Vancouver, B.C.
10 December 1988

Chris J. Sampson

Christopher J. Sampson, P.Eng.
Consulting Geologist

SAMPSON ENGINEERING INC.

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APPENDIX A

Geochemical Soil Sampling Results

SAMPSON ENGINEERING INC.

2696 West 11th Avenue
Vancouver, B.C. V6K 2L6

COMPANY: LANA GOLD CORP.

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 1 OF 1

PROJECT NO: SWAN CLAIMS

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 8-1942/P1+2

ATTENTION: S. BELZBURG/J. TARRIDA/C. SAMPSON

(604)980-5814 OR (604)988-4524

* TYPE SOIL GEOCHEM *

DATE: NOVEMBER 1, 1988

(VALUES IN PPM)	AS	CU	PB	SB	ZN	
S1N200W	.4	40	32	17	1	86
S1N225W	.6	311	47	17	1	62
S1N275W	.8	13	22	12	1	104
S1N300W	.8	10	30	16	1	147
S1N325W	.7	9	30	17	1	74
S1N350W	.9	17	15	16	2	107
S1N375W	.9	12	24	15	2	61
S1N400W	.9	8	33	20	2	92
S1N425W	.4	16	30	18	1	69
S1N450W	.8	2	15	13	1	64
S1N500W	.6	15	35	18	2	61
S1N525W	.8	6	29	14	2	55
S1N550W	.6	11	31	18	1	51
S1N575W	.6	11	31	12	2	55
S1N600W	.4	6	29	22	2	78
S1N650W	.5	1	39	20	1	90
S1N700W	.6	7	30	16	1	88
S1N725W	.6	1	26	15	1	89
S1N750W	.7	7	20	10	1	81
S1N775W	1.1	9	18	13	1	45
S1N800W	.8	10	25	16	2	73
S1N825W	.6	31	34	16	1	89
S1N875W	.7	18	9	10	1	66
S1N900W	.9	8	27	10	1	75
S1N925W	.8	3	28	21	1	92
S1N950W	.8	13	9	10	1	49
S1N975W	.9	17	7	12	1	72
S1N1025W	.3	6	9	12	1	51
S1N1050W	.8	17	12	22	1	33
S1N1100W	.9	44	98	18	1	81
S1N1150W	.5	1	23	18	1	61
S1N1175W	.3	3	23	12	2	61
S1N1225W	.8	20	20	8	2	118
S1N1275W	.9	1	14	10	3	55
S1N1300W	.6	1	14	19	3	69
S1N1325W	.4	1	16	13	2	50
S1N1350W	.9	6	17	10	2	80
S1N1375W	.4	25	28	19	1	112
S1N1450W	.8	2	12	12	2	60
S1N1475W	.8	1	20	12	2	69
S1N1500W	.8	3	15	12	2	78
S1N1525W	.9	14	14	15	1	40
S1N1550W	.9	17	15	14	1	98
S1N1600W	.6	8	25	12	1	53
S3N150W	.5	19	26	19	2	90
S3N175W	.4	1	31	17	5	188
S3N200W	.8	1	24	20	2	101
S3N250W	.7	8	28	14	2	138
S3N275W	.5	8	43	13	1	102
S3N300W	.4	12	36	17	2	137
S3N325W	.3	4	50	18	1	161
S3N350W	.4	4	26	10	2	78
S3N375W	.4	1	31	14	1	173
S3N400W	.3	1	49	20	1	133
S3N425W	.2	6	37	13	1	89
S3N450W	.4	10	34	14	3	164
S3N475W	.4	9	23	18	1	76
S3N500W	.4	1	27	14	1	163
S3N525W	.6	10	20	13	2	108

COMPANY: LANA GOLD CORP.

MIN-EN LABS ICP REPORT

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PROJECT NO: SWAN CLAIMS

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 8-1942/P3+4

ATTENTION: S. BELZBURG/J. TARRIDA/C. SAMPSON

(604)980-5814 OR (604)988-4524

* TYPE SOIL GEOCHEM *

DATE: NOVEMBER 1, 1988

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN
S3N550W	.9	19	17	15	1	54
S3N575W	.3	5	36	19	1	80
S3N600W	.9	17	22	12	1	75
S3N625W	.5	17	20	18	1	74
S3N650W	.3	8	18	18	1	61
S3N675W	1.0	15	30	13	1	60
S3N700W	.9	15	24	15	3	105
S3N725W	.9	16	21	22	1	134
S3N750W	.4	14	28	11	1	79
S3N775W	.8	14	16	16	1	88
S3N800W	1.0	14	18	12	1	82
S3N825W	.4	9	22	15	1	153
S3N850W	.6	8	38	20	1	157
S3N875W	.4	20	30	15	1	130
S3N900W	.7	17	20	17	2	74
S3N925W	.8	26	26	14	1	107
S3N950W	.9	11	35	22	1	135
S3N975W	.9	10	24	20	1	112
S3N1000W	.4	11	33	18	1	160
S3N1025W	.4	14	40	16	1	116
S3N1050W	.9	11	25	11	1	90
S3N1075W	.4	17	19	14	1	100
S3N1100W	.4	27	16	13	1	62
S3N1125W	.7	14	17	17	1	83
S3N1150W	.6	17	13	12	1	70
S3N1175W	.4	1	48	28	1	160
S3N1200W	.7	6	18	15	1	66
S3N1225W	.9	1	20	11	1	71
S3N1250W	.9	11	26	17	2	66
S3N1275W	.6	20	16	19	1	42
S3N1325W	.7	8	14	17	2	51
S3N1350W	.8	8	14	16	2	102
S3N1375W	.9	11	13	15	3	57
S3N1400W	1.1	19	20	16	1	71
S3N1425W	.7	12	15	16	3	57
S3N1475W	.7	20	19	14	1	45
S3N1500W	.7	2	23	15	1	146
S3N1550W	.9	1	30	16	1	90
S3N1575W	.8	2	21	16	1	111
S3N1600W	.6	13	12	18	2	107
S5N225W	.9	12	20	17	3	70
S5N250W	1.0	10	15	12	1	51
S5N300W	.8	1	18	12	2	114
S5N325W	.4	2	20	16	1	49
S5N375W	.7	6	21	16	1	51
S5N400W	.9	4	21	15	1	66
S5N425W	.9	5	30	14	3	68
S5N450W	.8	25	22	17	2	125
S5N475W	.7	2	32	17	2	96
S5N500W	.6	1	28	17	1	106
S5N525W	.9	1	33	22	2	124
S5N575W	.8	14	26	16	2	108
S5N600W	.9	14	14	16	1	45
S5N625W	1.1	16	15	13	1	41
S5N650W	.9	3	12	15	2	65
S5N675W	.8	23	15	15	1	63
S5N700W	1.0	17	19	21	1	56
S5N725W	.9	8	6	18	1	49
S5N750W	1.0	13	12	14	1	59
S5N775W	.8	3	5	14	1	50

COMPANY: LANA GOLD CORP.

MIN-EN LABS ICP REPORT

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PROJECT NO: SWAN CLAIMS

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 8-1942/P5+6

ATTENTION: S. BELZBURG/J. TARRIDA/C. SAMPSON

(604) 980-5814 OR (604) 988-4524

* TYPE SOIL GEOCHEM *

DATE: NOVEMBER 1, 1988

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN
S5N800W	.6	12	13	18	1	35
S5N825W	.9	11	17	17	1	49
S5N850W	.9	2	25	16	3	73
S5N875W	.8	4	32	17	1	168
S5N900W	.3	1	51	24	1	130
S5N925W	.8	1	50	13	1	101
S5N950W	.8	1	28	25	1	114
S5N1025W	.9	21	8	11	1	38
S5N1050W	.7	7	25	19	3	105
S7N100W	.8	16	24	15	3	97
S7N125W	.6	23	22	17	2	67
S7N150W	.4	26	22	18	2	97
S7N175W	.6	1	22	28	1	170
S7N200W	1.0	7	8	12	1	68
S7N225W	.9	6	26	19	3	161
S7N275W	.7	6	30	15	3	90
S7N300W	.6	20	23	20	2	83
S7N325W	.4	1	29	17	1	88
S7N350W	.9	6	16	14	2	62
S7N400W	.8	13	37	15	2	95
S7N450W	.8	5	39	19	1	112
S7N475W	.8	8	17	19	2	155
S7N525W	.5	6	20	14	1	92
S7N550W	.6	1	27	19	2	79
S7N600W	.6	14	29	16	2	138
S7N625W	.6	7	29	16	1	61
S7N675W	.6	6	21	15	1	111
S7N700W	.8	5	28	15	1	57
S7N725W	1.0	16	27	12	1	61
S7N750W	.9	14	36	14	1	61
S7N775W	.6	8	16	17	1	75
S7N800W	.9	24	22	14	1	114
S7N825W	.6	15	31	14	1	98
S7N850W	.4	5	36	14	1	127
S9N100W	1.0	6	70	26	5	152
S9N125W	.8	49	91	25	4	140
S9N175W	.8	12	19	20	3	76
S9N250W	1.0	11	12	12	1	65
S9N275W	1.0	9	23	11	2	124
S9N300W	.9	11	30	19	2	121
S9N325W	1.2	12	15	15	1	67
S9N350W	1.2	7	14	18	1	56
S9N375W	.9	12	18	20	1	83
S9N400W	.9	6	16	14	1	64
S9N425W	.6	1	36	16	2	96
S9N450W	1.0	7	34	18	3	108
S9N475W	1.0	9	22	19	1	103
S9N525W	.7	17	23	18	2	82
S9N550W	1.1	10	5	11	1	66
S9N575W	1.3	8	31	21	3	80
S9N650W	1.0	15	22	18	3	66
S9N675W	1.0	9	20	15	3	77
S9N700W	.9	18	12	19	2	66
S9N725W	.9	15	25	23	1	81
S9N775W	.8	15	13	16	3	82
S9N800W	1.0	11	16	18	1	79
S9N825W	1.1	15	10	19	2	114
S9N850W	.3	3	40	22	1	113
S9N875W	.6	1	37	18	1	177
S9N900W	.8	25	18	27	1	93

COMPANY: LANA GOLD CORP.

MIN-EN LABS ICP REPORT

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PROJECT NO: SWAN CLAIMS

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 8-1942/P7+8

ATTENTION: S. BELZBURG/J. TARRIDA/C. SAMPSON

(604) 980-5814 OR (604) 988-4524

* TYPE SOIL GEOCHEM *

DATE: NOVEMBER 1, 1988

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN
S9N925W	.2	27	20	35	3	169
S9N950W	.3	14	20	19	1	130
S9N1000W	.6	9	14	14	1	149
S9N1025W	.4	5	10	14	1	200
S9N1050W	.6	10	12	15	1	159
S9N1075W	.3	47	22	17	1	113
S9N1100W	.3	49	17	20	1	104
S11N125W	.4	35	42	19	1	98
S11N150W	.1	18	40	20	1	277
S11N175W	.6	5	32	25	2	102
S11N200W	.3	45	51	25	1	202
S11N250W	.8	9	17	17	1	124
S11N275W	.4	3	14	14	3	126
S11N300W	.6	16	25	22	2	118
S11N325W	1.1	24	13	13	1	68
S11N350W	.9	15	18	15	3	106
S11N375W	.8	15	21	16	2	97
S11N400W	.8	12	10	14	3	81
S11N425W	.5	9	24	18	3	113
S11N450W	.9	12	17	11	1	70
S11N475W	.6	23	22	14	1	69
S11N500W	.2	34	67	23	3	317
S11N525W	.7	29	16	11	2	82
S11N550W	.6	11	13	13	1	59
S11N575W	.5	1	36	19	1	337
S11N600W	.6	1	22	14	1	164
S11N625W	.6	3	18	19	1	230
S11N650W	.4	18	10	17	1	94
S11N675W	.9	9	22	12	2	108
S11N700W	.8	16	20	10	1	83
S11N725W	.6	1	14	12	1	48
S11N825W	1.0	1	22	11	1	44
S11N850W	.9	14	15	12	1	81
S11N875W	.6	9	19	14	1	161
S11N900W	.8	8	20	13	1	128
S11N925W	.3	1	20	12	1	140
S11N950W	.6	44	208	17	1	110
S11N975W	.5	4	21	18	1	155
S11N1000W	.6	11	13	24	1	175
S11N1025W	.6	17	28	16	2	108
S11N1050W	.5	10	29	12	1	93
S11N1075W	.6	1	18	15	1	150
S11N1100W	.1	36	224	20	3	83
S13N150W	.6	5	13	18	1	105
S13N175W	.9	3	28	18	2	156
S13N200W	.5	8	18	13	2	131
S13N225W	1.0	13	22	7	1	65
S13N250W	.6	10	47	18	1	81
S13N275W	.7	14	14	12	2	62
S13N325W	.9	2	66	12	1	35
S13N350W	.8	12	9	12	1	75
S13N375W	.6	7	15	16	2	155
S13N400W	.8	1	17	12	1	59
S13N425W	.8	3	28	13	2	88
S13N450W	.8	1	11	19	1	80
S13N475W	.9	1	22	16	2	144
S13N500W	.9	3	17	16	1	95
S13N525W	.7	1	40	17	1	188
S13N550W	.4	13	14	12	1	47
S13N575W	.9	17	9	9	1	42

COMPANY: LANA GOLD CORP.

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 1 OF 1

PROJECT NO: SWAN CLAIMS

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 8-1942/P9+10

ATTENTION: S. BELZBURG/J. TARRIDA/C. SAMPSON

(604)980-5814 OR (604)988-4524

* TYPE SOIL GEOCHEM *

DATE: NOVEMBER 1, 1988

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN
S13N600W	.8	8	9	17	2	55
S13N625W	.8	8	15	19	1	59
S13N675W	.7	4	25	17	2	153
S13N700W	.8	12	18	16	4	72
S13N725W	.9	2	36	19	2	137
S13N750W	.7	10	18	12	3	129
S13N775W	.9	16	29	15	2	188
S13N800W	.9	75	1995	14	9	130
S13N825W	1.1	21	17	11	2	134
S13N875W	1.2	20	13	15	2	89
S13N900W	1.3	16	22	12	1	46
S13N925W	1.2	20	17	17	2	58
S13N950W	.9	8	19	15	1	192
S15N100W	.9	8	20	15	1	98
S15N125W	1.0	7	23	14	3	92
S15N150W	.8	6	19	15	1	116
S15N175W	.4	18	16	21	4	127
S15N200W	1.0	2	23	10	1	88
S15N250W	.8	6	24	18	3	116
S15N275W	1.0	9	23	10	3	98
S15N300W	.9	14	15	19	2	63
S15N350W	.9	2	25	17	1	106
S15N375W	.6	21	23	16	2	173
S15N400W	.9	11	13	18	3	160
S15N425W	.9	15	13	9	1	82
S15N450W	.6	1	25	17	1	237
S15N475W	.4	21	21	26	1	391
S15N500W	.3	31	48	27	1	179
S15N550W	1.3	110	60	48	17	111
S15N600W	.9	10	16	20	2	78
S15N625W	.9	15	18	7	2	46
S15N650W	.8	10	20	13	1	46
S15N675W	.5	10	30	12	2	113
S15N700W	.8	15	20	13	2	92
S15N725W	.8	6	23	18	3	101
S15N750W	.8	13	18	16	1	63
S15N775W	.6	6	8	13	1	68
S15N800W	.6	10	17	15	1	70
S15N825W	.8	4	20	14	1	101
S15N850W	.6	26	16	11	2	78
S15N875W	1.1	24	19	14	1	90
S15N900W	1.0	16	19	13	1	87

MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON AG

COMPANY: LANA GOLD
 ATTN: S. BELZBERG/J. TARRIDA/C. SAMPSON
 PROJECT: SWAN CLAIMS
 FILE#: 8-1942

DATE: NOVEMBER 24 1988
 SAMPLE TYPE: SOIL
 ANALYSIS TYPE: GEOCHEM

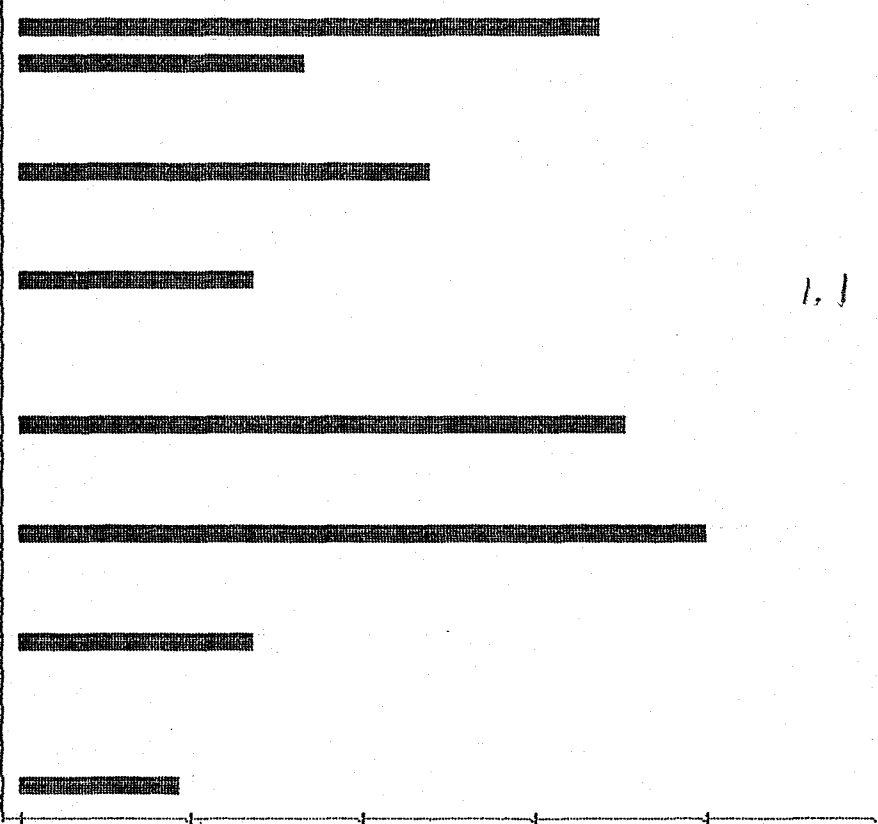
NUMBER OF SAMPLES: 281
 MAXIMUM VALUE: 1.3 PPM
 MINIMUM VALUE: 0.1 PPM
 MEAN: 0.7 PPM
 STD. DEVIATION: 0.2 PPM
 COEFF. OF VARIATION: 0.3

5 HIGHEST AG VALUES:
 S9N575W 1.3 PPM
 S13N900W 1.3 PPM
 S15N550W 1.3 PPM
 S9N325W 1.2 PPM
 S9N350W 1.2 PPM

HISTOGRAM FOR AG CLASS INTERVAL = 0.03

MID CLASS	CLASS
PPM	%

<	0.50	18.15
	0.51	8.90
	0.54	0.00
	0.57	0.00
	0.60	12.81
	0.63	0.00
	0.66	0.00
	0.69	7.47
	0.72	0.00
	0.75	0.00
	0.78	0.00
	0.81	18.86
	0.84	0.00
	0.87	0.00
	0.90	21.35
	0.93	0.00
	0.96	0.00
	0.99	7.47
	1.02	0.00
	1.05	0.00
	1.08	0.00
>	1.20	4.98



0.00% 10.68% 21.35%
 FREQUENCY (%)

MIN-EN LABORATORIES LTD.
SPECIALISTS IN MINERAL ENVIRONMENTS

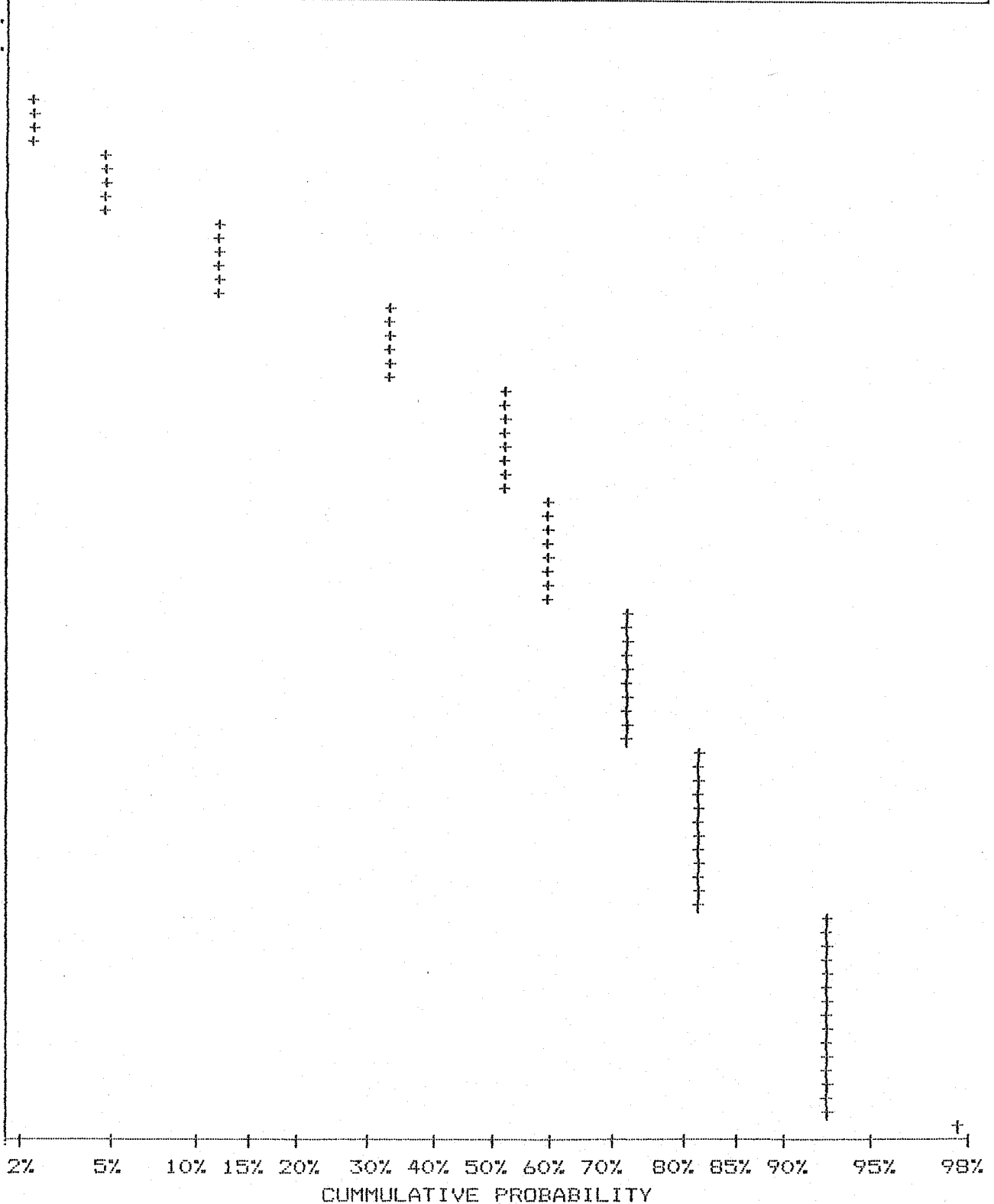
705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2
 TELEX: USA 760167 PHONE: (604) 980-5814 OR (604) 988-4524

CUMMULATIVE PROBABILITY PLOT ON AG

COMPANY: LANA GOLD
 ATTN: S. BELZBERG/J. TARRIDA/C. SAMPSON
 PROJECT: SWAN CLAIMS
 FILE#: 8-1942

DATE: NOVEMBER 24 1988
 SAMPLE TYPE: SOIL
 ANALYSIS TYPE: GEOCHEM

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
1.18	2.14
1.14	2.14
1.09	4.98
1.05	4.98
1.02	4.98
0.98	12.46
0.94	12.46
0.91	12.46
0.88	33.81
0.84	33.81
0.81	33.81
0.78	52.67
0.76	52.67
0.73	52.67
0.70	52.67
0.68	60.14
0.65	60.14
0.63	60.14
0.61	60.14
0.58	72.95
0.56	72.95
0.54	72.95
0.52	72.95
0.50	72.95
0.49	81.85
0.47	81.85
0.45	81.85
0.43	81.85
0.42	81.85
0.40	81.85
0.39	92.88
0.37	92.88
0.36	92.88
0.35	92.88
0.34	92.88
0.32	92.88
0.31	92.88
0.30	97.86



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON AS

COMPANY: LANA GOLD
 ATTN: S. BELZBERG/J. TARRIDA/C. SAMPSON
 PROJECT: SWAN CLAIMS
 FILE#: 8-1942

DATE: NOVEMBER 24 1988
 SAMPLE TYPE: SOIL
 ANALYSIS TYPE: GEOCHEM

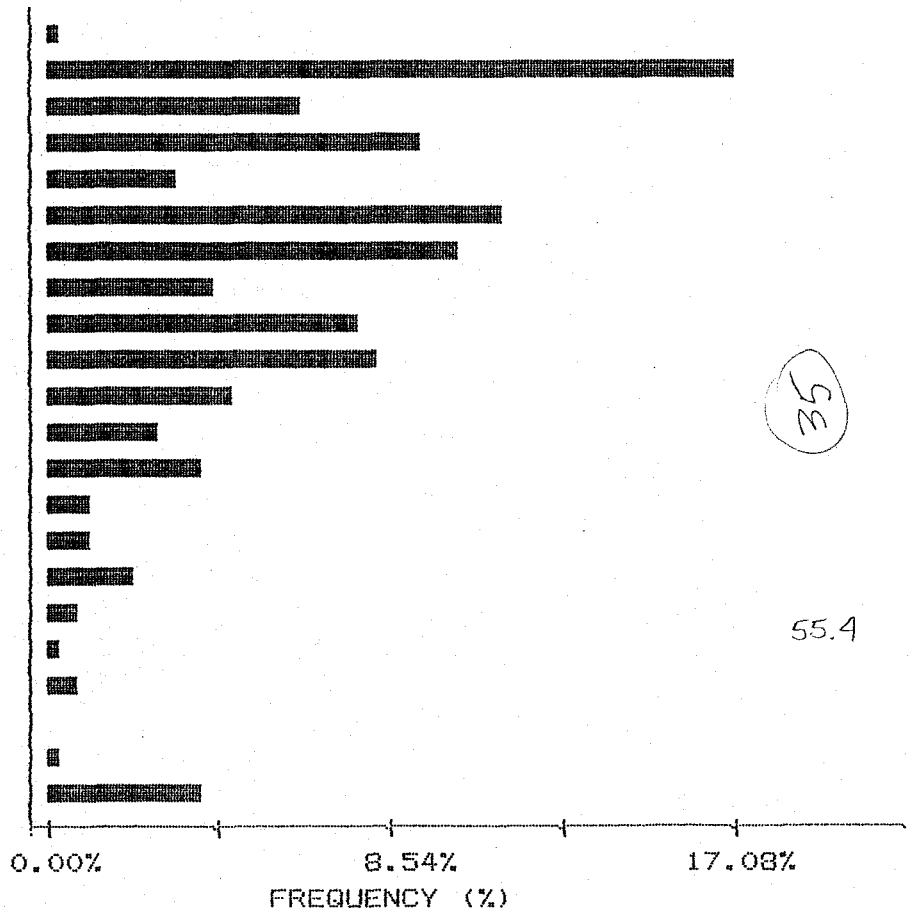
NUMBER OF SAMPLES: 281
 MAXIMUM VALUE: 311.0 PPM
 MINIMUM VALUE: 1.0 PPM
 MEAN: 13.0 PPM
 STD. DEVIATION: 21.2 PPM
 COEFF. OF VARIATION: 1.6

5 HIGHEST AS VALUES:
 S1N225W 311.0 PPM
 S15N550W 110.0 PPM
 S13N800W 75.0 PPM
 S9N125W 49.0 PPM
 S9N1100W 49.0 PPM

HISTOGRAM FOR AS CLASS INTERVAL = 1.70

MID CLASS PPM	CLASS %
------------------	------------

<	1.00	0.36
	1.85	17.08
	3.55	6.41
	5.25	9.25
	6.95	3.20
	8.65	11.39
	10.35	10.32
	12.05	4.27
	13.75	7.83
	15.45	8.19
	17.15	4.63
	18.85	2.85
	20.55	3.91
	22.25	1.07
	23.95	1.07
	25.65	2.14
	27.35	0.71
	29.05	0.36
	30.75	0.71
	32.45	0.00
	34.15	0.36
>	35.00	3.91



35

55.4

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SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON AS

COMPANY: LANA GOLD

DATE: NOVEMBER 24 1988

ATTN: S. BELZBERG/J. TARRIDA/C. SAMPSON

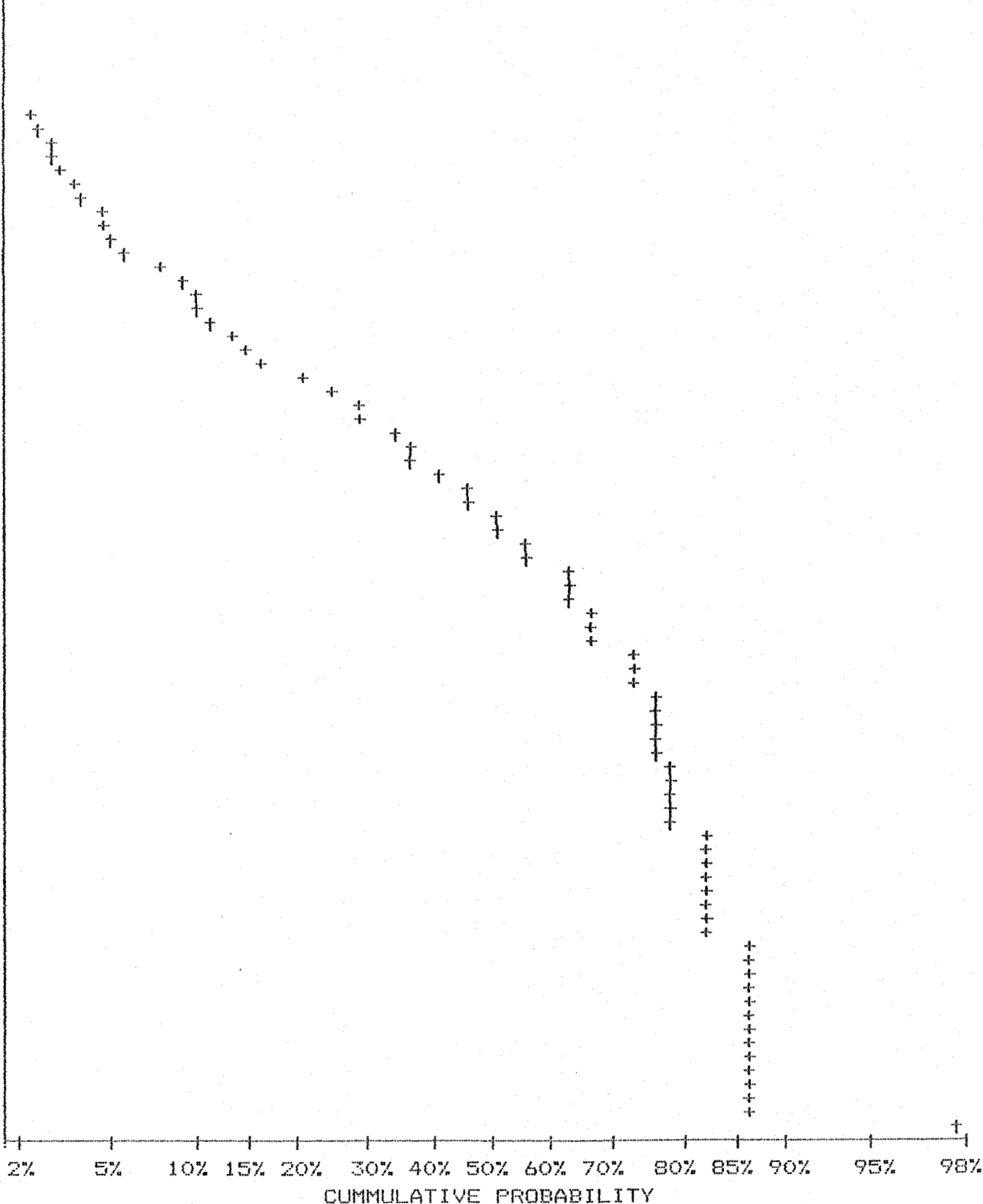
SAMPLE TYPE: SOIL

PROJECT: SWAN CLAIMS

ANALYSIS TYPE: GEOCHEM

FILE#: 8-1942

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
46.52	1.78
41.94	2.85
37.80	3.20
34.08	3.91
30.72	4.98
27.69	5.34
24.96	8.19
22.50	10.32
20.28	11.74
18.28	15.30
16.48	21.71
14.85	29.89
13.39	34.88
12.07	37.72
10.88	46.98
9.81	52.31
8.84	56.94
7.97	63.70
7.18	63.70
6.48	66.90
5.84	73.31
5.26	73.31
4.74	76.16
4.28	76.16
3.85	78.65
3.47	78.65
3.13	78.65
2.82	82.56
2.54	82.56
2.29	82.56
2.07	82.56
1.86	86.48
1.68	86.48
1.51	86.48
1.37	86.48
1.23	86.48
1.11	86.48
1.00	97.86



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON CU

COMPANY: LANA GOLD
 ATTN: S. BELZBERG/J. TARRIDA/C. SAMPSON
 PROJECT: SWAN CLAIMS
 FILE#: 8-1942

DATE: NOVEMBER 24 1988
 SAMPLE TYPE: SOIL
 ANALYSIS TYPE: GEOCHEM

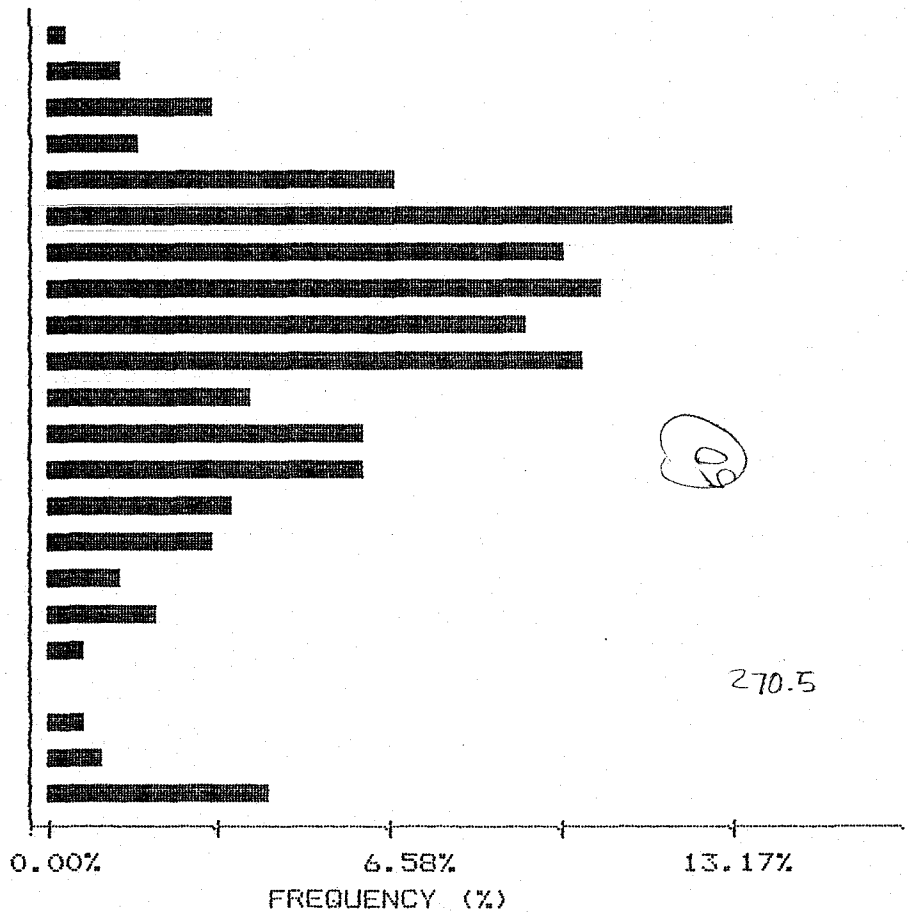
NUMBER OF SAMPLES: 281
 MAXIMUM VALUE: 1995.0 PPM
 MINIMUM VALUE: 5.0 PPM
 MEAN: 32.1 PPM
 STD. DEVIATION: 119.2 PPM
 COEFF. OF VARIATION: 3.7

5 HIGHEST CU VALUES:
 S13N800W 1995.0 PPM
 S11N1100W 224.0 PPM
 S11N950W 208.0 PPM
 S1N1100W 98.0 PPM
 S9N125W 91.0 PPM

HISTOGRAM FOR CU CLASS INTERVAL = 2.25

MID CLASS PPM	CLASS %
------------------	------------

<	5.00	0.36
	6.13	1.42
	8.37	3.20
	10.63	1.78
	12.87	6.76
	15.12	13.17
	17.37	9.96
	19.62	10.68
	21.88	9.25
	24.12	10.32
	26.37	3.91
	28.62	6.05
	30.87	6.05
	33.13	3.56
	35.37	3.20
	37.62	1.42
	39.87	2.14
	42.12	0.71
	44.38	0.00
	46.62	0.71
	48.87	1.07
>	50.00	4.27



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705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)980-4524

CUMMULATIVE PROBABILITY PLOT ON CU

COMPANY: LANA GOLD

DATE: NOVEMBER 24 1988

ATTN: S. BELZBERG/J. TARRIDA/C. SAMPSON

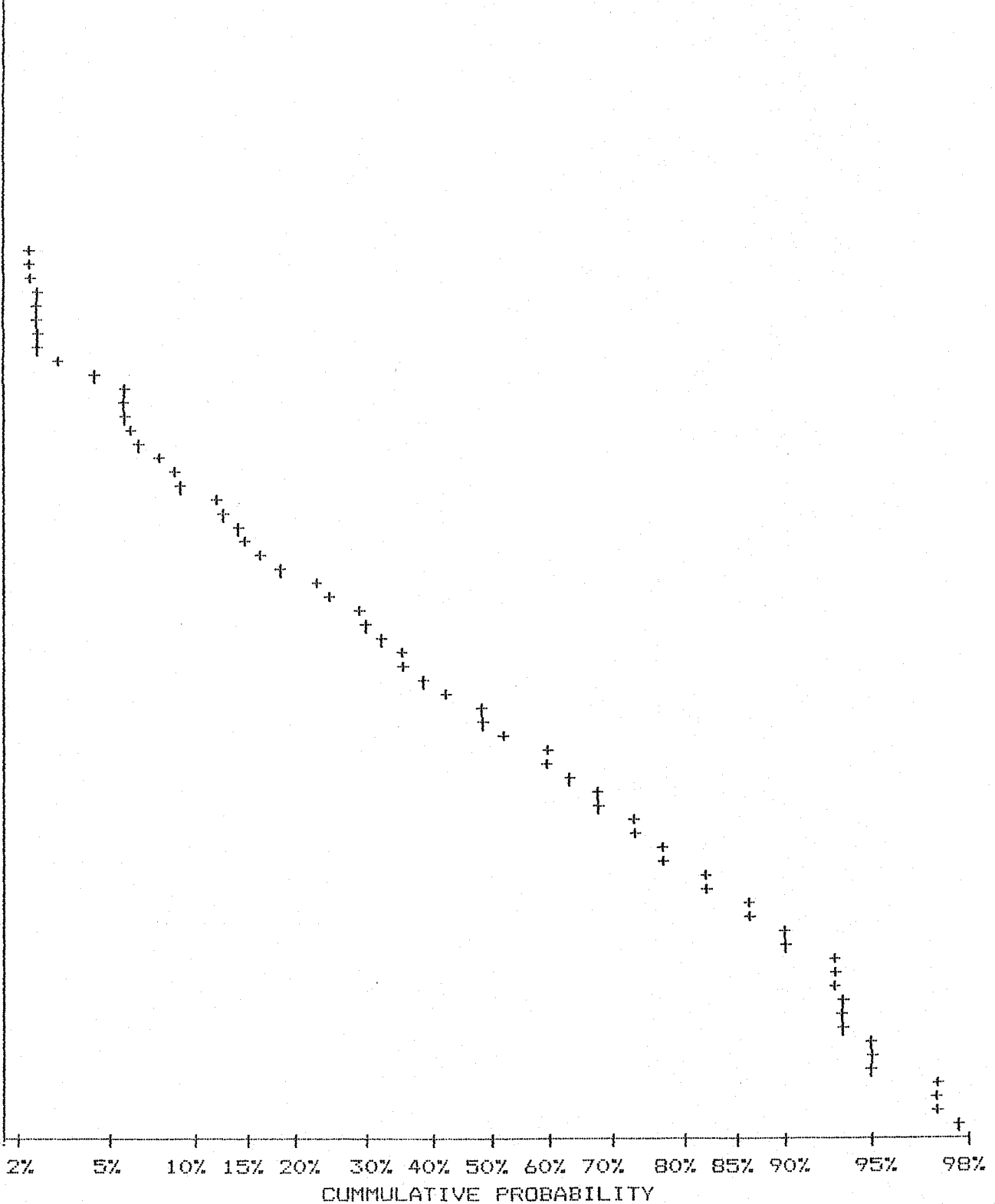
SAMPLE TYPE: SOIL

PROJECT: SWAN CLAIMS

ANALYSIS TYPE: GEOCHEM

FILE#: 8-1942

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
94.78	1.07
88.65	1.42
82.92	1.42
77.57	1.42
72.55	1.42
67.86	1.78
63.48	2.49
59.37	2.85
55.54	2.85
51.95	2.85
48.59	4.63
45.45	6.05
42.51	6.41
39.76	8.19
37.19	9.25
34.79	13.52
32.54	15.66
30.44	19.22
28.47	25.62
26.63	30.60
24.91	36.65
23.30	39.15
21.79	49.82
20.39	52.67
19.07	60.14
17.84	68.68
16.68	73.31
15.60	77.58
14.60	82.21
13.65	86.48
12.77	90.39
11.95	93.24
11.17	93.24
10.45	93.59
9.78	95.02
9.14	95.02
8.55	97.15
8.00	97.86



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SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON PB

COMPANY: LANA GOLD

DATE: NOVEMBER 24 1988

ATTN: S. BELZBERG/J. TARRIDA/C. SAMPSON

SAMPLE TYPE: SOIL

PROJECT: SWAN CLAIMS

ANALYSIS TYPE: GEOCHEM

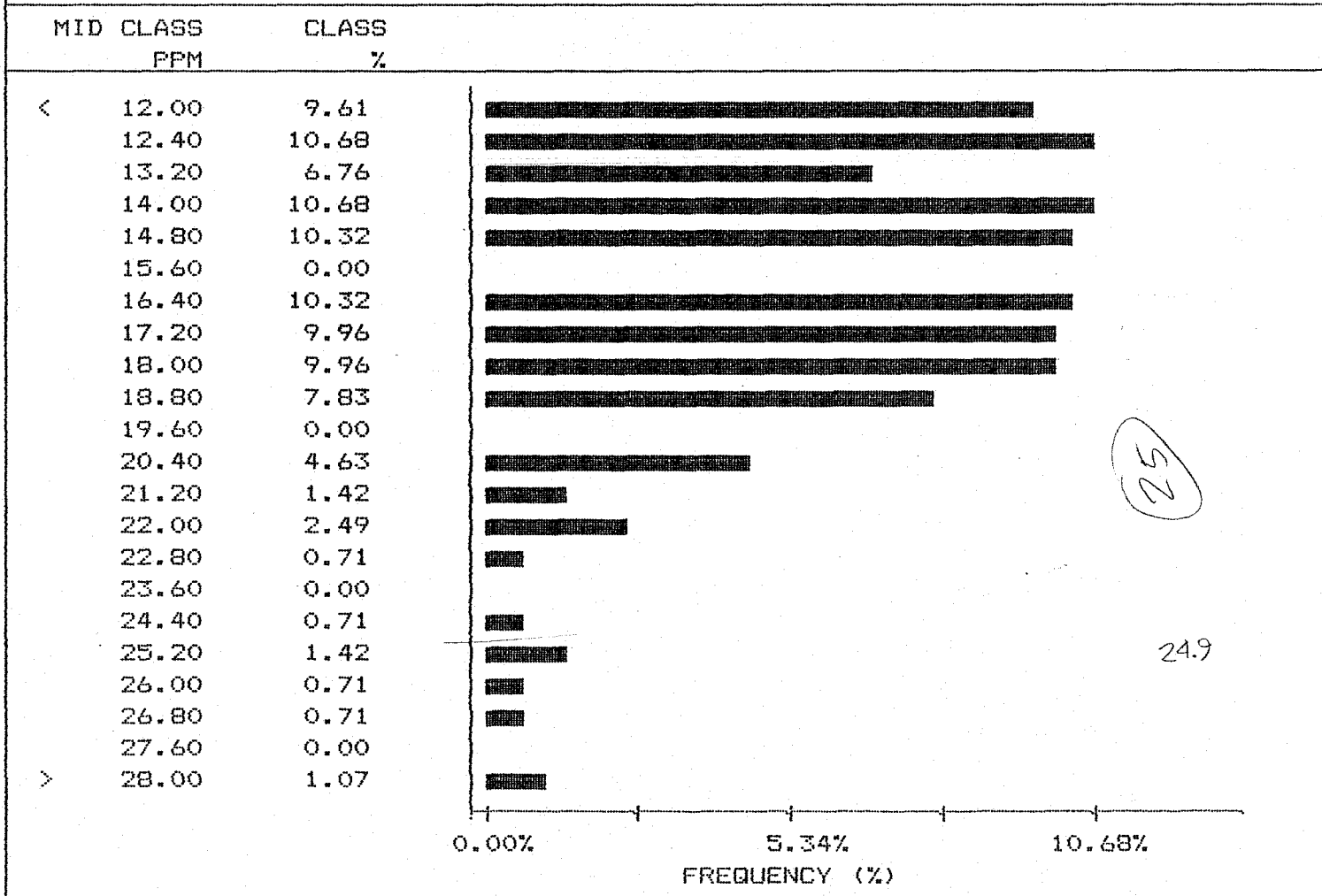
FILE#: 8-1942

NUMBER OF SAMPLES: 281
 MAXIMUM VALUE: 48.0 PPM
 MINIMUM VALUE: 7.0 PPM
 MEAN: 16.1 PPM
 STD. DEVIATION: 4.4 PPM
 COEFF. OF VARIATION: 0.3

5 HIGHEST PB VALUES:
 S15N550W 48.0 PPM
 S9N925W 35.0 PPM
 S3N1175W 28.0 PPM
 S7N175W 28.0 PPM
 S9N900W 27.0 PPM

HISTOGRAM FOR PB

CLASS INTERVAL = 0.80



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SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: USA 760167 PHONE: (604) 980-5814 OR (604) 988-4524

CUMMULATIVE PROBABILITY PLOT ON PB

COMPANY: LANA GOLD

DATE: NOVEMBER 24 1988

ATTN: S. BELZBERG/J. TARRIDA/C. SAMPSON

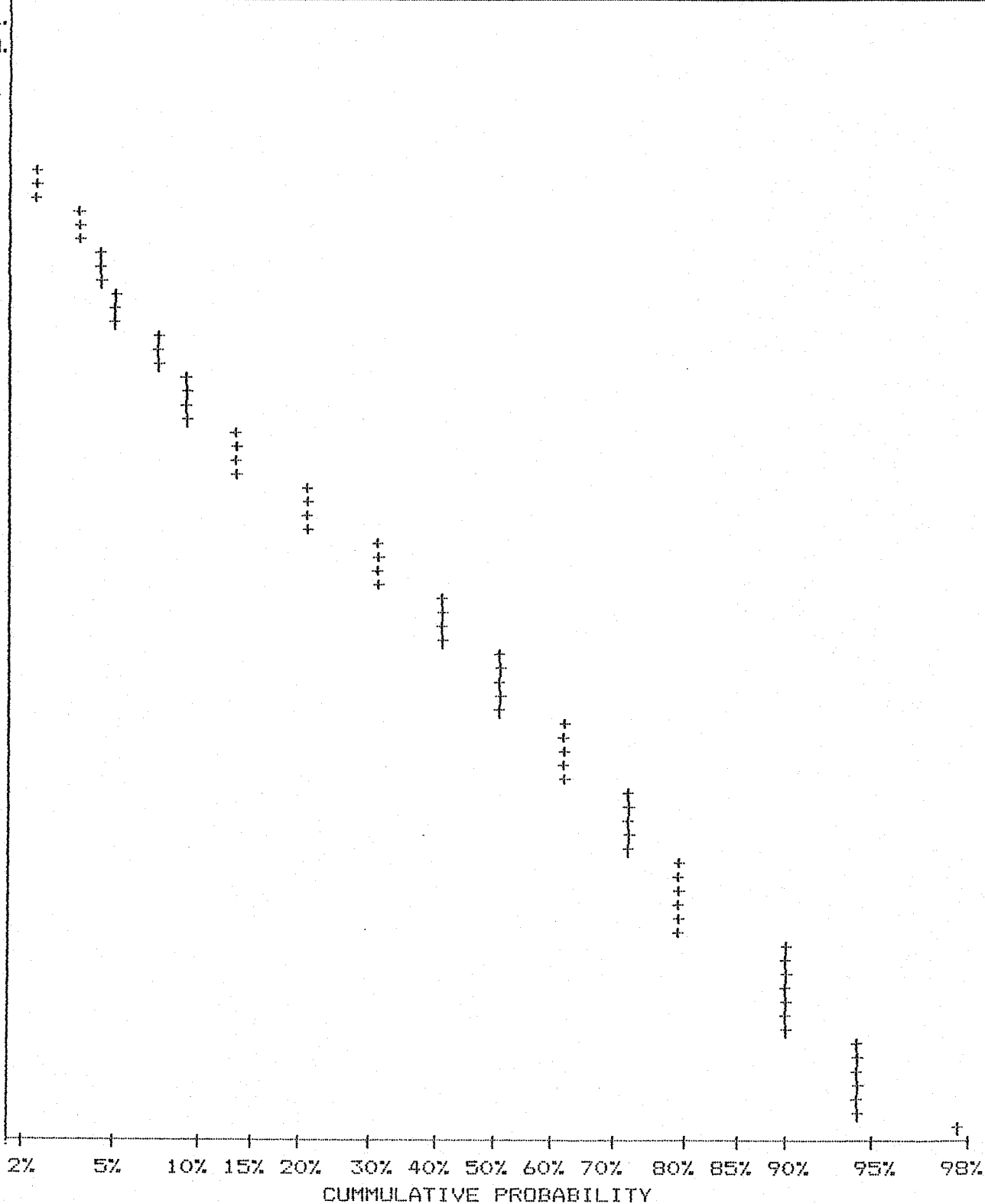
SAMPLE TYPE: SOIL

PROJECT: SWAN CLAIMS

ANALYSIS TYPE: GEOCHEM

FILE#: 8-1942

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
27.62	1.07
26.87	1.78
26.14	1.78
25.43	2.49
24.75	3.91
24.08	3.91
23.42	4.63
22.79	5.34
22.17	5.34
21.57	7.83
20.99	9.25
20.42	9.25
19.87	13.88
19.33	13.88
18.80	21.71
18.30	21.71
17.80	31.67
17.32	31.67
16.85	41.64
16.39	41.64
15.95	51.96
15.52	51.96
15.10	51.96
14.69	62.28
14.29	62.28
13.90	72.95
13.53	72.95
13.16	72.95
12.80	79.72
12.46	79.72
12.12	79.72
11.79	90.39
11.47	90.39
11.16	90.39
10.86	94.31
10.56	94.31
10.28	94.31
10.00	97.86



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SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON SB

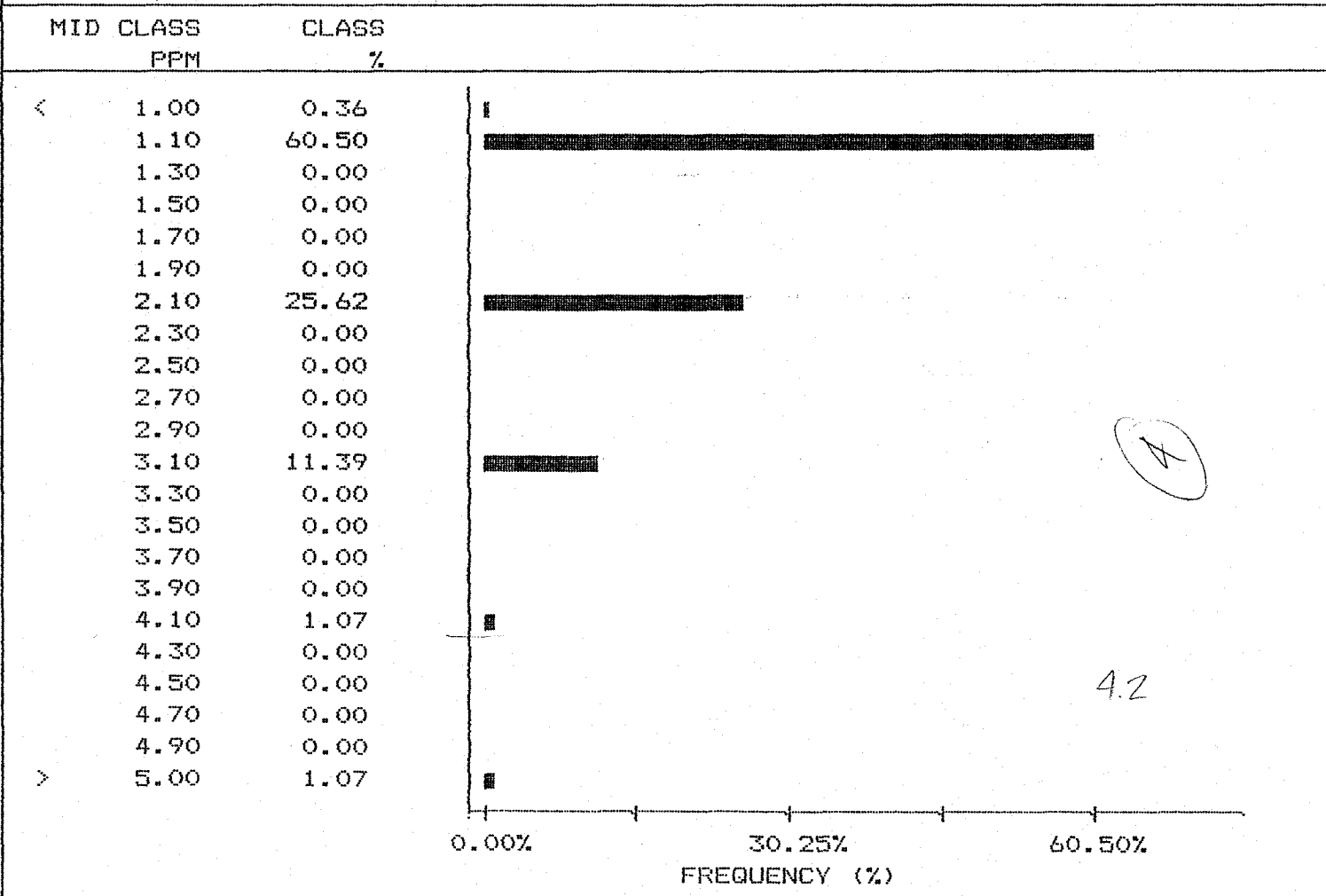
COMPANY: LANA GOLD
 ATTN: S. BELZBERG/J. TARRIDA/C. SAMPSON
 PROJECT: SWAN CLAIMS
 FILE#: 8-1942

DATE: NOVEMBER 24 1988
 SAMPLE TYPE: SOIL
 ANALYSIS TYPE: GEOCHEM

NUMBER OF SAMPLES: 281
 MAXIMUM VALUE: 17.0 PPM
 MINIMUM VALUE: 1.0 PPM
 MEAN: 1.6 PPM
 STD. DEVIATION: 1.3 PPM
 COEFF. OF VARIATION: 0.8

5 HIGHEST SB VALUES:
 S15N550W 17.0 PPM
 S13N800W 9.0 PPM
 S3N175W 5.0 PPM
 S9N100W 5.0 PPM
 S9N125W 4.0 PPM

HISTOGRAM FOR SB CLASS INTERVAL = 0.20



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SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON SB

COMPANY: LANA GOLD

DATE: NOVEMBER 24 1988

ATTN: S. BELZBERG/J. TARRIDA/C. SAMPSON

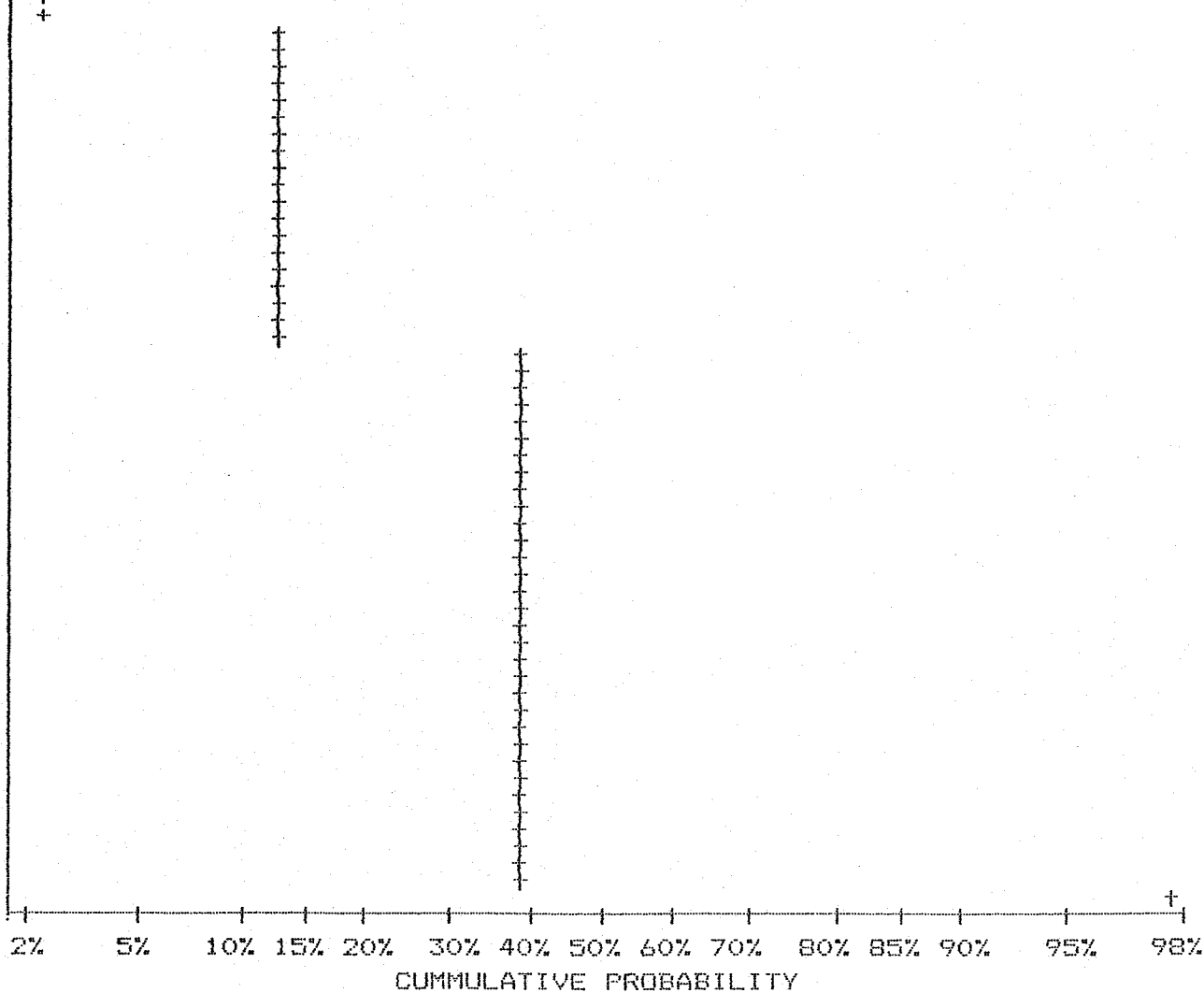
SAMPLE TYPE: SOIL

PROJECT: SWAN CLAIMS

ANALYSIS TYPE: GEOCHEM

FILE#: 8-1942

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
4.89	1.07
4.69	1.07
4.49	1.07
4.30	1.07
4.12	1.07
3.95	2.14
3.78	2.14
3.62	2.14
3.47	2.14
3.33	2.14
3.19	2.14
3.05	2.14
2.92	13.52
2.80	13.52
2.68	13.52
2.57	13.52
2.46	13.52
2.36	13.52
2.26	13.52
2.17	13.52
2.07	13.52
1.99	39.15
1.90	39.15
1.82	39.15
1.75	39.15
1.67	39.15
1.60	39.15
1.54	39.15
1.47	39.15
1.41	39.15
1.35	39.15
1.29	39.15
1.24	39.15
1.19	39.15
1.14	39.15
1.09	39.15
1.04	39.15
1.00	97.86



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON ZN

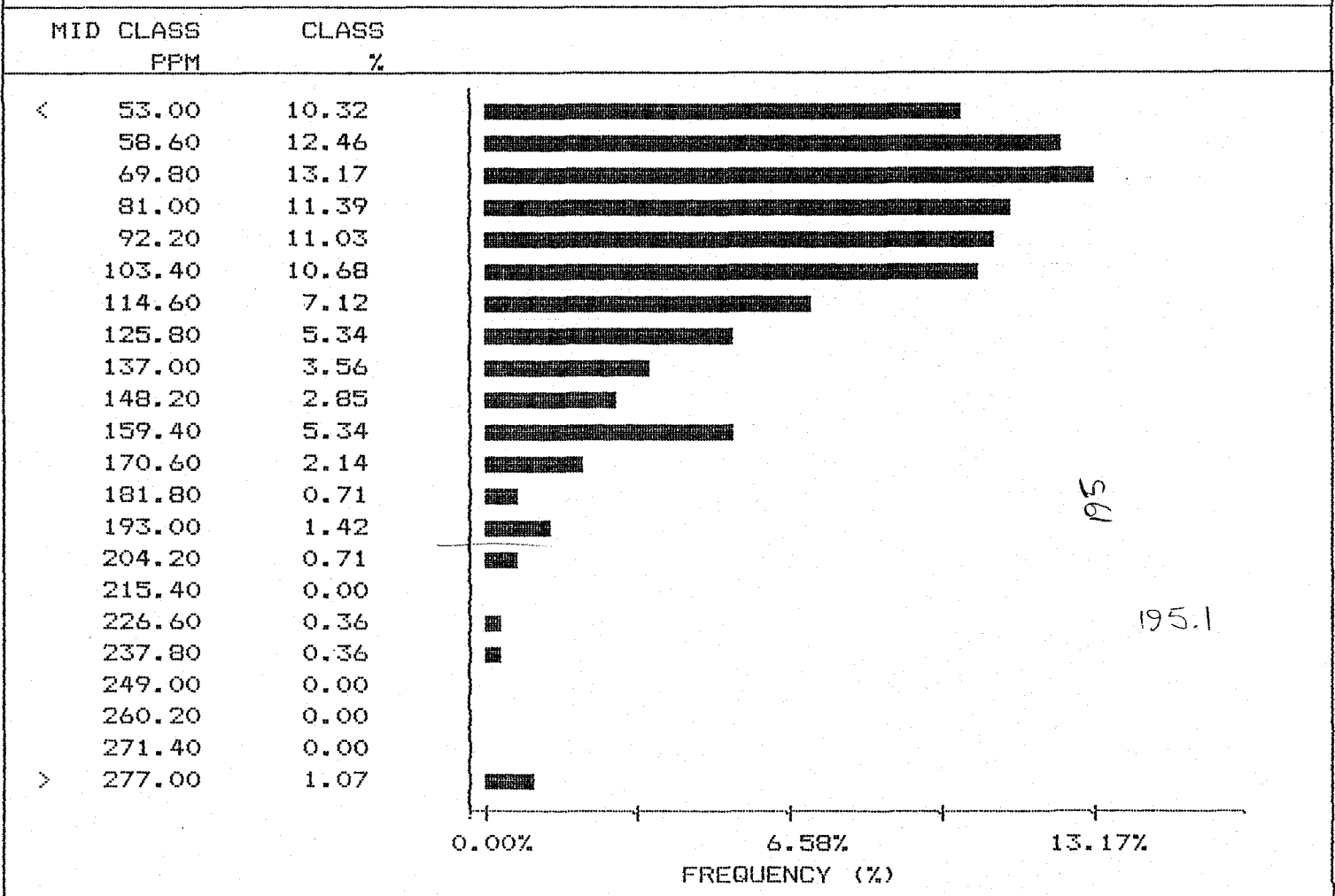
COMPANY: LANA GOLD
 ATTN: S. BELZBERG/J. TARRIDA/C. SAMPSON
 PROJECT: SWAN CLAIMS
 FILE#: 8-1942

DATE: NOVEMBER 24 1988
 SAMPLE TYPE: SOIL
 ANALYSIS TYPE: GEOCHEM

NUMBER OF SAMPLES: 281
 MAXIMUM VALUE: 391.0 PPM
 MINIMUM VALUE: 33.0 PPM
 MEAN: 99.3 PPM
 STD. DEVIATION: 47.9 PPM
 COEFF. OF VARIATION: 0.5

5 HIGHEST ZN VALUES:
 S15N475W 391.0 PPM
 S11N575W 337.0 PPM
 S11N500W 317.0 PPM
 S11N150W 277.0 PPM
 S15N450W 237.0 PPM

HISTOGRAM FOR ZN CLASS INTERVAL = 11.20



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SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON ZN

COMPANY: LANA GOLD

DATE: NOVEMBER 24 1988

ATTN: S. BELZBERG/J. TARRIDA/C. SAMPSON

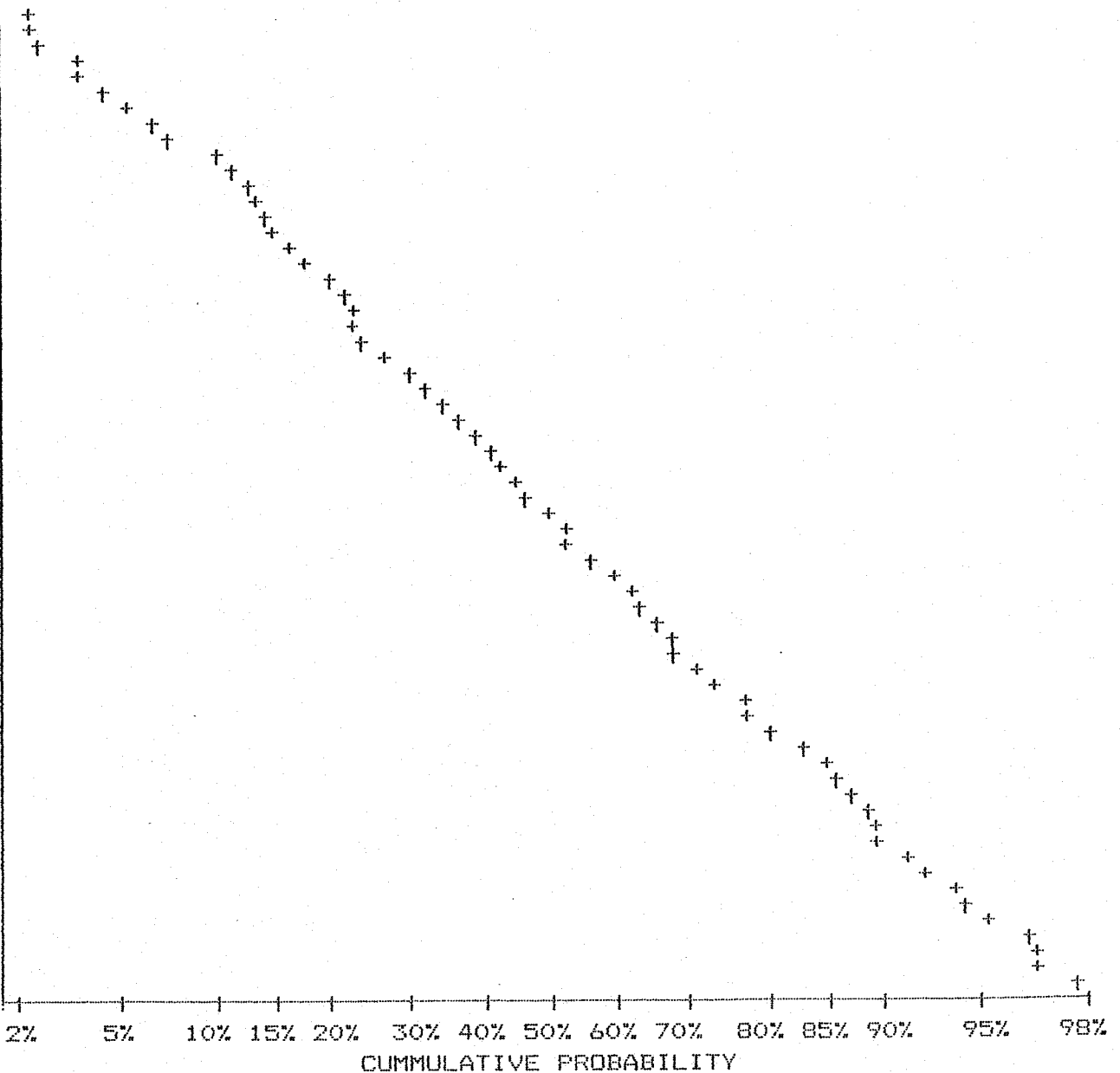
SAMPLE TYPE: SOIL

PROJECT: SWAN CLAIMS

ANALYSIS TYPE: GEOCHEM

FILE#: 8-1942

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
270.03	1.07
256.62	1.07
243.87	1.07
231.76	1.42
220.25	1.78
209.31	1.78
198.91	2.49
189.03	2.85
179.65	3.91
170.72	5.69
162.24	7.83
154.18	12.10
146.53	14.23
139.25	15.66
132.33	18.51
125.76	22.06
119.51	23.84
113.58	27.05
107.94	32.74
102.57	37.01
97.48	41.64
92.64	45.20
88.04	50.53
83.66	53.02
79.51	60.14
75.56	64.06
71.81	67.97
68.24	71.53
64.85	77.22
61.63	80.43
58.57	85.41
55.66	87.54
52.89	89.68
50.27	91.46
47.77	93.95
45.40	95.37
43.14	96.80
41.00	97.86



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CORRELATION COEFFICIENTS

COMPANY: LANA GOLD

ATTN: S. BELZBERG/J. TARRIDA/C. SAMPSON

PROJECT: SWAN CLAIMS

FILE#: 8-1942

DATE: NOVEMBER 24 1988

SAMPLE TYPE: SOIL

ANALYSIS TYPE: GEOCHEM

THE TABLE BELOW REPRESENTS THE PEARSON CORRELATION MATRIX SHOWING THE INTER-ELEMENT CORRELATION COEFFICIENTS. THOSE VALUES THAT EXCEED THEIR CRITICAL VALUE FOR .01 LEVEL OF SIGNIFICANCE ARE SHOWN IN DARKER PRINT AND UNDERLINED.

	AG	AS	CU	PB	SB	ZN
AG	1.00	-0.01	0.01	<u>-0.17</u>	<u>0.18</u>	<u>-0.35</u>
AS		1.00	<u>0.21</u>	<u>0.18</u>	<u>0.24</u>	-0.03
CU			1.00	0.02	<u>0.36</u>	0.07
PB				1.00	<u>0.38</u>	<u>0.35</u>
SB					1.00	0.07
ZN						1.00

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

ANALYTICAL PROCEDURE REPORT FOR ASSESSMENT WORK - 26 ELEMENT ICP

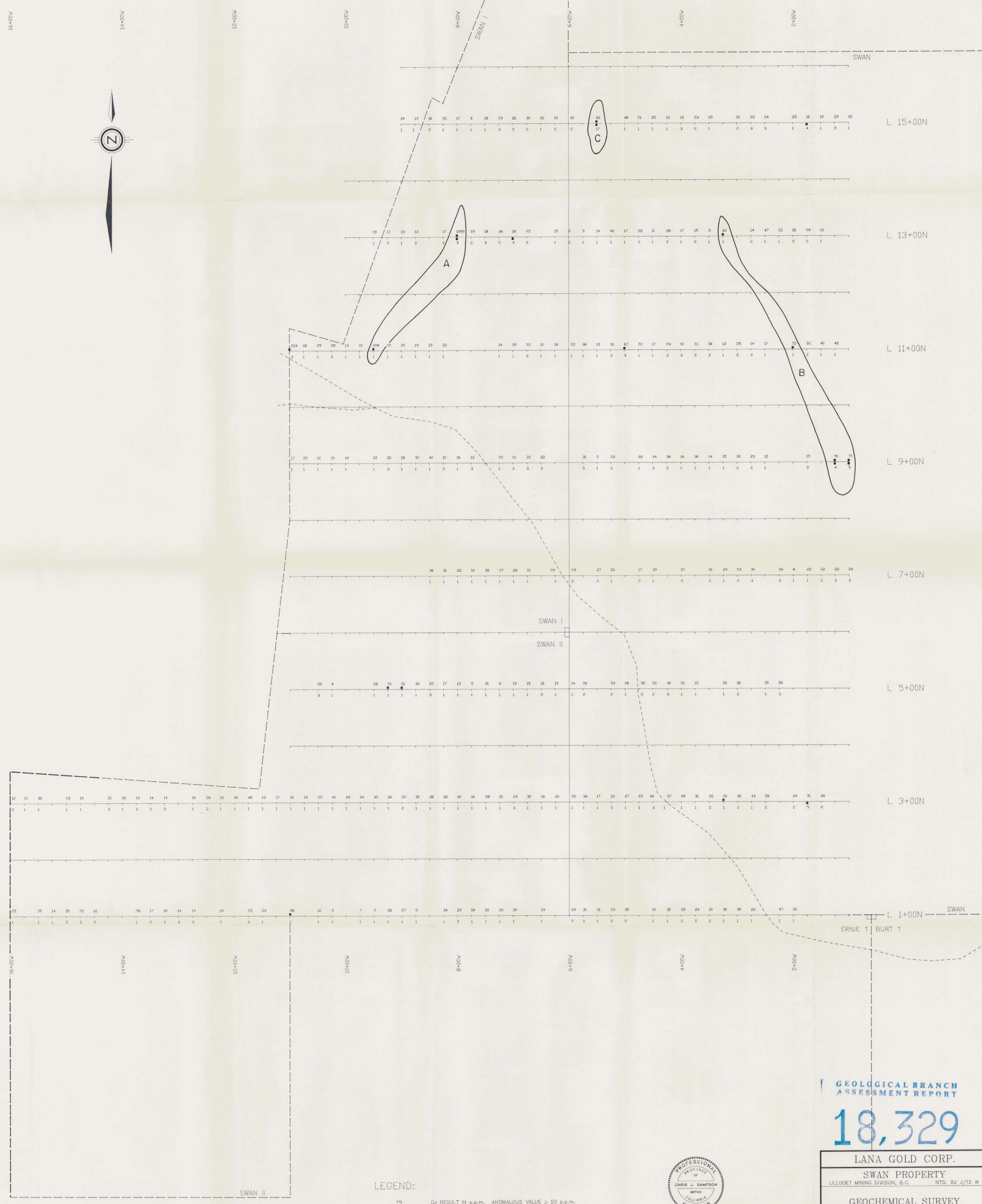
Ag, Al, As, B, Bi, Ca, Cd, Co, Cu, Fe, K, Mg, Mn, Mo,
Na, Ni, P, Pb, Sb, Sr, Th, U, V, Zn

Samples are processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by jaw crusher and pulverized by ceramic plated pulverizer.

1.0 gram of the samples are digested for 6 hours with HNO₃ and HClO₄ mixture.

After cooling samples are diluted to standard volume. The solutions are analysed by Computer operated Jarrell Ash 9000ICP. Inductively coupled Plasma Analyser. Reports are formatted by routing computer dotline print out.



LEGEND:

75
14

Cu RESULT IN p.p.m. ANOMALOUS VALUE \geq 50 p.p.m.
Sb RESULT IN p.p.m. ANOMALOUS VALUE \geq 4 p.p.m.



Chris J. Sampson

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

18,329

LANA GOLD CORP.
SWAN PROPERTY
LILLOOET MINING DIVISION, B.C. NTS: 92 J/15 W

**GEOCHEMICAL SURVEY
Cu & Sb RESULTS**

0 50 100 150 200 m
SCALE 1:2500

DATE: NOVEMBER, 1988
BY: G.S.F./rfr

FIGURE No. 3
Prepared by: RWR MINERAL GRAPHICS LTD.

L 15+00N

L 13+00N

L 11+00N

L 9+00N

L 7+00N

L 5+00N

L 3+00N

L 1+00N

L 15+00N

L 13+00N

L 11+00N

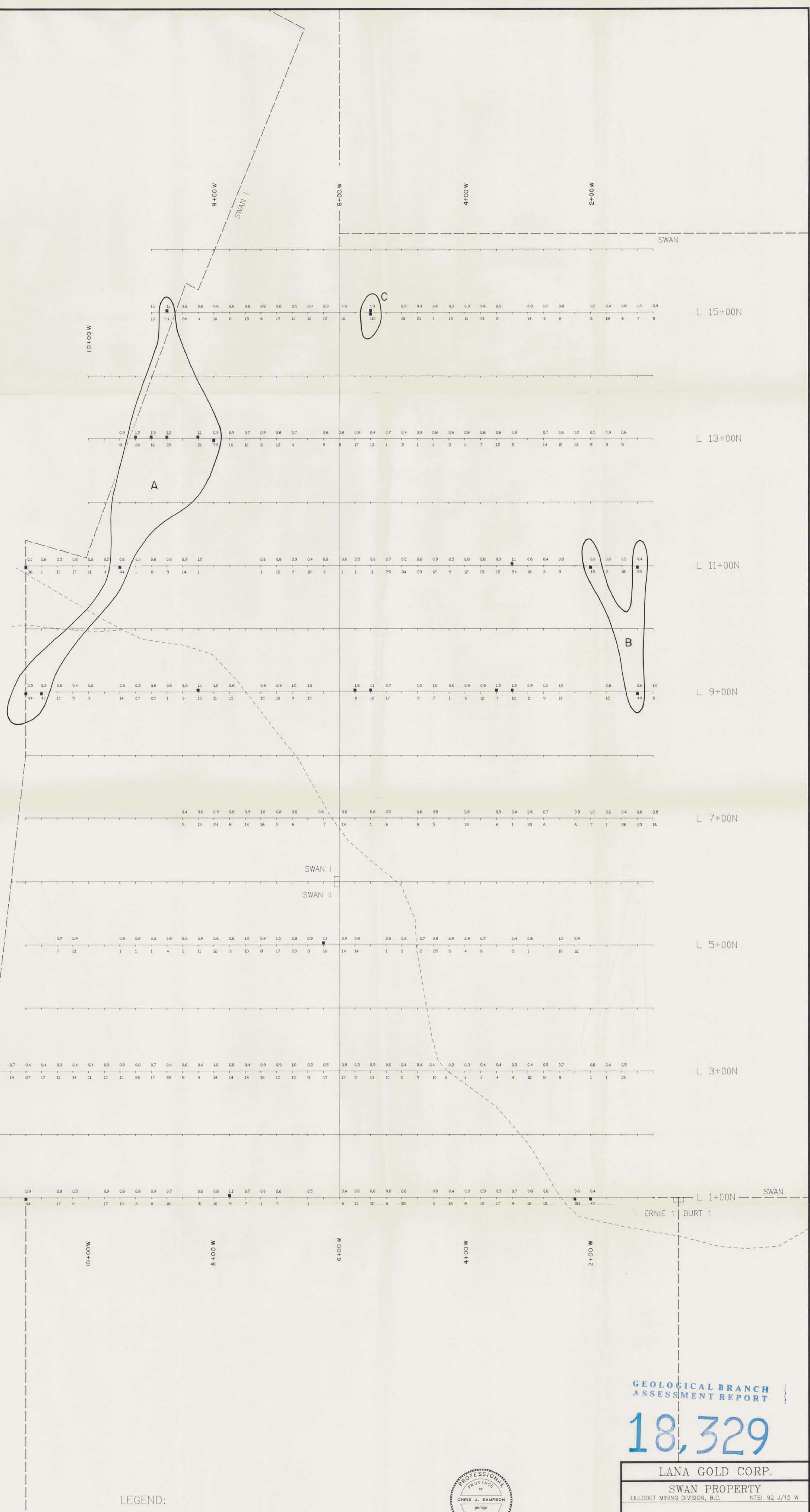
L 9+00N

L 7+00N

L 5+00N

L 3+00N

L 1+00N



LEGEND:



Ag RESULT IN p.p.m. ANOMALOUS VALUE \geq 1.1 p.p.m.
As RESULT IN p.p.m. ANOMALOUS VALUE \geq 35 p.p.m.



Chris J. Sampson

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,329

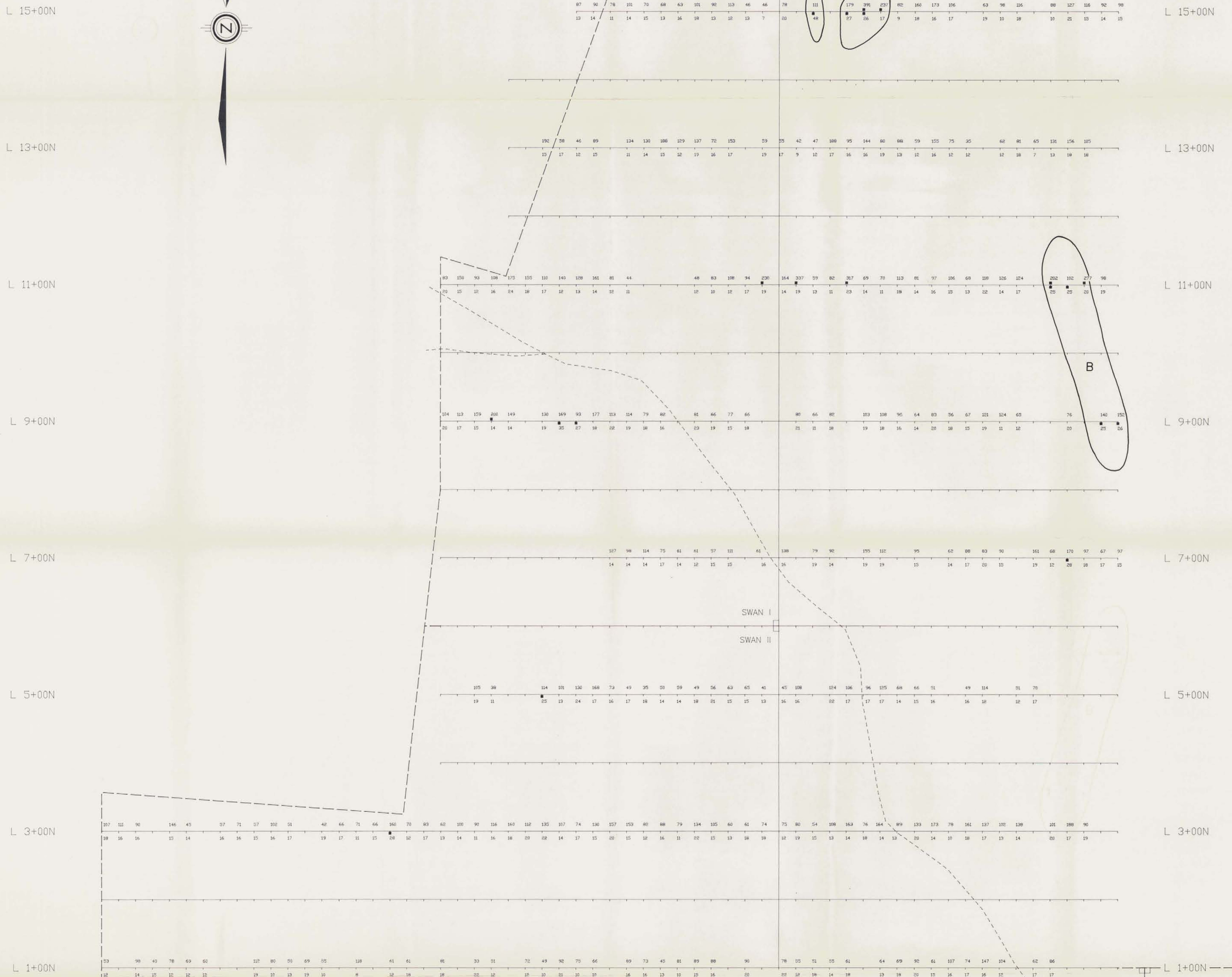
LANA GOLD CORP.

SWAN PROPERTY
LILLOOET MINING DIVISION, B.C. NTS: 92 J/15 W

GEOCHEMICAL SURVEY
Ag & As RESULTS

SCALE 1:2500
DATE: NOVEMBER, 1988
BY: G.J.S./rtr

14+00W 14+00W 12+00W 10+00W 8+00W 6+00W 4+00W 2+00W



LEGEND:
 ■ 215 Zn RESULT IN p.p.m. ANOMALOUS VALUE ≥ 195 p.p.m.
 ■ 28 Pb RESULT IN p.p.m. ANOMALOUS VALUE ≥ 25 p.p.m.



Chris J. Sampson

GEOLOGICAL BRANCH ASSESSMENT REPORT

18,329

LANA GOLD CORP.
 SWAN PROPERTY
 LILLOOET MINING DIVISION, B.C. NTS: 92 J/15 W
GEOCHEMICAL SURVEY
Pb & Zn RESULTS
 0 50 100 150 200 m
 SCALE 1:2500
 DATE: NOVEMBER, 1988
 BY: C.J.S./rwt
 FIGURE No. 4