

HESS - 0021 - B1

Load: 16 mm.

63.3929

## OMEP DESIGNATED PROGRAMME

REG NO. OM8PE6I-80FINAL REPORTJOHN K. JASPERSONSYNTHESIS MAP & TABLEMAPS (9)

1. Elevation Contour Map
2. Nickel (Upper Quartile Assay) Contour
3. Zinc " " " "
4. Copper " " " "
5. Nickel Contour Detail
6. Zinc " "
7. Copper " "
8. Arsenic " "
9. Gold " "

REPORT 9490 X-RAY ASSAY LAB + INTERPRETATION

- a) Graph of "b"
- b) Frequency Distribution of Ni & Zn
- c) X-Ray Assay Lab Ltd. Report 9490

REPORT 9244 X-RAY ASSAY LAB + INTERPRETATION

- a) Graph of "b"
- b) Frequency Distribution of Cu. As
- c) X-Ray Assay Lab. Ltd. Report 9244

DAILY JOURNAL NOTES: Outline of Daily ActivityDAILY CRUISELINE NOTES: Description of Where Samples Came From

Date

Jan 12 / 81

John K. Jasperson

John K. Jasperson

FINAL REPORT OMEP REG NO. OM8PE61-80

125 Humus samples were collected on a 66' grid, Sept. 22 - 27, 1980 from two contiguous claims P S6631 and 2, located about 3/4 mile east of the old Lake Geneva Mine (Pb, Ag, Zn), concession VI, Hess Township, District of Sudbury, Plan No. M930. These claims, along with one other P S6633, are owned by the author of this report.

The Humus samples were first assayed by X-RAY ASSAY LABORATORIES LTD., Report 9244, Nov. 26, 1980, for Au (PPB), and As (PPM) by the Nuclear Activation method and for Cu (PPM) by the Atomic Absorption Method.

This was followed by a second assay, Report 9490, Dec. 16, 1980 for Ni (PPM) and Zn (PPM) both by the Atomic Absorption Method.

Statistical analysis, interpretation and description are by John K. Jasperson with advice and comment from Provincial Geologists and Geochemist.

Final results indicate:

1. 3 noticeable mineral occurrences:

- a) Two Ni Cu occurrences suggesting primary sources along with secondary accumulation.
  - 1) B19 Area in the NW corner of P S6631 showing Ni and Cu with some As and Zn present - seems related to high ground at west end and possibly to a dike at A19 with a NW strike - not enough sample formation to determine a directional trend, particularly with reference to direction of gneissosity and schistosity in the area.
  - 2) N13 Area suggests strongly the possibility of a general Nickel anomaly with a NE strike that stretches some 800 feet from L11 to T19. Nickel is the continuous mineral present with strongest concentration at P15 where it is 5 times mode value. Copper overlaps the Nickel for the southwest half of the anomaly. The anomaly parallels the NE trend in direction of banding in Gneisses and Schists.
- b) Zinc appears in 4 roughly separated areas and these are thought to be secondary accumulations from a more widely disseminated primary source.

2. Significance of above noted areas can be assessed from the synthesis table & map.

- a) Copper and Zinc have the most values in excess of 70% greater than their mode value.

Cu	23 )	
Zn	17 )	
As	7 )	number of samples with value 70%
Ni	6 )	greater than mode

- b) But Nickel and Zinc have the biggest range of value, signified by the ratio of high value to mode.

Nickel	at P15 is	5.2 times mode
Zinc	at I21 is	2.84 " "
Zinc	at I20 is	2.8 " "
Copper	at N13 is	2.46 " "
Arsenic	at H18 is	1.86 " "

3. Gold values were quite flat, little more than background.
4. Ground cover is fairly thick in places but consists in mixtures of Birch, Poplar, Spruce and Balsam. Some areas are tangled with windfalls. There seems to be a number of sharp short rises of ledges, scattered around of 5' - 10' in height. Evidence of animals included 1 urine marked tree and a number of large rocks shifted, presumably as a result of foraging for grubs. Gneisosity and schistosity for the most part had a NE strike. On occasion Balsam trees were showing Azurite blue and Smithsonite blue in the sap or gum. The sightings were noted and photographs taken. Samples of the bark were collected but not assayed. One geological occurrence was significant within the area at J14 where there was a sharp cliff and a lot of tumbled boulders with sharp edges that looked as if fracturing had taken place on an Esterly strike at right angles to the Northerly strike of the cliff face.
5. History. Initial interest in the area developed about the same time as interest in Sudbury when claims were laid out along the CPR tracks 4 - 6 miles to the West. But no mining action resulted until 1925 when J. Collins staked some claims which are now part of the old Lake Geneva Mine. Around 1928 the Lake Geneva Mine was first organized. The three claims, the subject of this report, were purchased by Bonzano Jasperson in 1929 and patented in 1932. They came into the possession of his grandson, the author of this report, in 1968.

If any work has been done on the property, which is doubtful, the assay results have been lost. Contiguous claims to the East were held by M.D. Eames, Attorney-at-Law in Detroit, Michigan. One of these claims, P S6762, was tested for tin in 1929 and while several high grade specimens of rock yielded 4% copper, they did not yield tin. Mr. F. K. Jasperson, the author's father, reports in a letter dated Mar. 1, 1954 of having received a letter from M.D.Eames, Aug. 18, 1949, wherein Eames asserts several assays on his property all showed copper from less than 1% to more than 3% with small amounts of gold in some of them. The relationship of P S6762 to work done outlining the N13 anomaly suggests the possibility of extending the anomaly into Eames property - the claims have the right geographical relationship.

6. CONCLUSION: Further investigation seems warranted:
  - a) Fill in missing humus samples.
  - b) Extend humus sampling into P S6632
  - c) Rock sample cross sections of the N13 anomaly to determine whether conforms to surface mineral contours, or is of deeper significance.
  - d) Check for sulphides with an EM survey
  - e) Research records for recorded mineral sample results on contiguous claims.

Ni, Zn, Cu, Pb :

LOCATION OF 70% GREATER VALUES. (GREATER THAN MODE)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
21			Cu 2.0 Pb 1.71		Cu 1.85	Cu 1.7	Zn 2.0		Zn 2.84										
20	Cu 1.7		Zn 1.73					Zn 1.7	Zn 2.8		Cu 1.85			N ↑					
19		Ni 1.7 Cu 2.0	Cu 1.85	Pb 1.71	Cu 1.7			Zn 2.04											
18	Cu 1.7 Pb 1.71	Ni 1.7 Cu 2.0	Cu 1.85	Cu 2.0 Pb 1.71				Zn 1.7 Pb 1.86	Zn 2.74										
17																			Ni 1.7 Cu 1.85 Zn 2.6
16																			
15								Zn 2.13					Cu 1.7	Zn 2.6	Ni 1.7 Zn 1.78				Ni 5.2
14									Zn 2.31					Zn 1.73 Cu 1.7	Zn 2.5				
13									Zn 2.40				Cu 1.7	Ni 2.0 Cu 2.46	Cu 1.85				
12									Pb 1.71			Cu 1.85		Cu 1.85					
11												Cu 2.0 Pb 1.71							Cu 1.85
10	(R)											Cu 1.85							
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S

SYNTHESIS MAP

SYNTHESIS TABLE OF UPPER QUANTILE VALUES NOTING THOSE VALUES IN EXCESS OF 70% GREATER

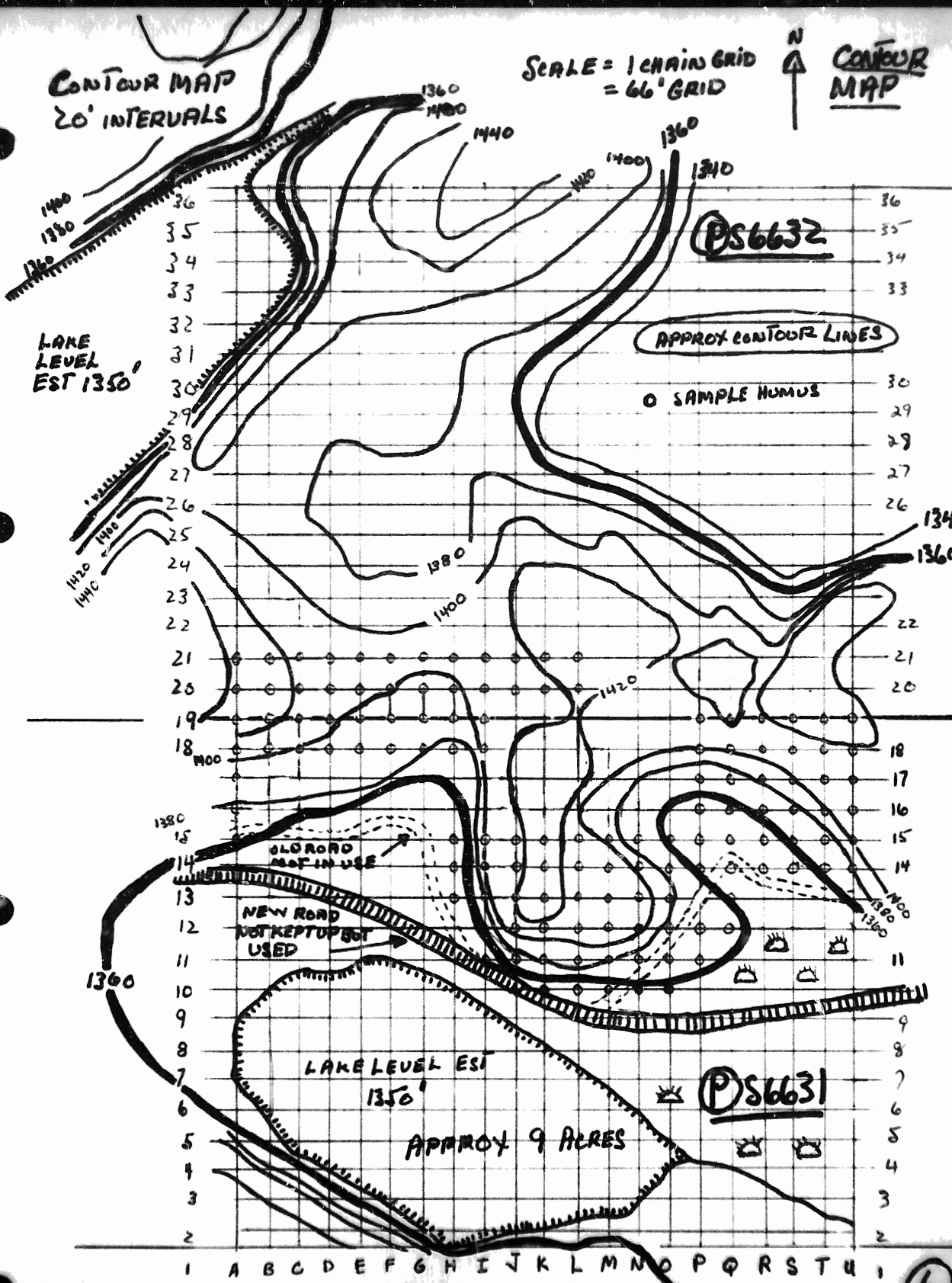
NICKEL			ZINC			COPPER			ARSENIC			SYNTHESIS TABLE
BASE - MODE = 65			BASE - MODE = 225			BASE - MODE = 65			BASE - MODE = 7			
Loc	ASSAY VAL	$\frac{\pm}{MODE}$	Loc	ASSAY VAL	$\frac{\pm}{MODE}$	Loc	ASSAY VAL	$\frac{\pm}{MODE}$	Loc	ASSAY VAL	$\frac{\pm}{MODE}$	
A 18			A 20			A 20	110	1.7	B 21	9		
B 19	110	1.7	B 18			18	110	1.7	B 19	12	1.71	
18	110	1.7	C 20	390	1.73	B 19	130	2.0	18	10		
C 21			G 21	450	2.0	18	130	2.0	C 21	12	1.71	
20			18			C 21	130	2.0	C 19	9		
19			H 20	380	1.69	19	120	1.85	D 21	9		
18			19	460	2.04	18	120	1.85	D 19	12	1.71	
D 19			18	380	1.69	D 18	130	2.0	18	12	1.71	
18			I 21	640	2.84	E 21	120	1.85	E 21	9		
E 21			I 20	630	2.8	19	110	1.7	F 21	9		
K 20			18	550	2.44	F 20	110	1.7	G 18	9		
L 12			15	480	2.13	H 15			H 18	13	1.86	
11			J 15			K 20	120	1.85	L 15	10		
M 12			14	520	2.31	L 15			J 12	12	1.71	
N 14			13	540	2.4	12	120	1.85	11	11		
13	130	2.0	N 15	580	2.58	11	130	2.0	K 20	11		
12			14	390	1.73	10	120	1.85	L 11	12	1.71	
O 15	110	1.7	10			M 15	110	1.7	10	11		
13			O 15	400	1.78	14			M 14	11		
12			14	560	2.49	13	110	1.7	12	10		
P 17	110	1.7	P 18			N 14	110	1.7	N 15	9		
P 15	340	5.2	17	430	1.91	N 13	160	2.46	13	10		
Q 18			Q 18	580	2.58	12	120	1.85	12	10		
17			17			O 13	120	1.85	P 19	10		
16			R 18			12			17	9		
R 18						P 17	120	1.85	11	10		
S 19						15			S 16	9		
T 19						11	120	1.85	14	9		
									T 17	10		
									U 16	11		

CONTOUR MAP  
20' INTERVALS

SCALE = 1 CHAIN GRID  
= 66' GRID



CONTOUR  
MAP



LAKE  
LEVEL  
EST 1350'

PS6632

APPROX CONTOUR LINES

O SAMPLE HUMUS

OLD ROAD  
NOT IN USE

NEW ROAD  
NOT KEPT UP BUT  
USED

LAKE LEVEL EST  
1350'

APPROX 9 ACRES

PS6631

6

CONCESSION VI NESS TWP DISTRICT SUBBURY  
 PLAN NO. M 930

PATENTED MINING CLAIMS REGISTERED IN NAME  
 OF J.K. JASPERSON APRIL 18 1968



SCALE:  
 4 CHAINS =  
 1 INCH

B C D E F G H I J K L M N O P Q R S T U

36  
 35  
 34  
 33  
 32  
 31  
 30  
 29  
 28  
 27  
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 4  
 3  
 2  
 1

LAKE GENEA MINE  
 APPROX 1 MILE WEST

- GNEISSOBILITY SCHISTOSITY TREND OF UNFOLDING
- FRACTURE TREND
- ⊙ SAMPLE ROCK LOCATIONS
- SAMPLE NUMUS LOCATIONS
- AZURE BLUE TRAILS IN BASALT
- DIKE ..... PROJECTION

FIELD TRIP SEPT 22/80 - 27/80  
 J.K. JASPERSON

UPPER QUARTILE OF NICKEL VALUES > 80 PPM



7



Sample

133  
Ni

132  
Zn

135  
Cu

Ni . 0075  
Zn . 0070  
Cu . 0055

NE

65

240

82.5

Moak

65

225

65

Q3

90

300

100

high  
Values.

4:110

1:130

1:340

520, 540, 550,

560

580, 580

630, 640.

10:120

5:130

1:160

$$\frac{130}{65} = 2$$

$$\frac{240}{65} = 3.7$$

$$\frac{640}{225} = 2.8$$

$$\frac{160}{65} = 2.5$$

CONCESSION VI NESS TWP DISTRICT SUDBURY  
 PLAN NO. M 930

PATENTED MINING CLAIMS REGISTERED IN NAME  
 OF J.K. JASPERSON APRIL 18 1968



SCALE:  
 4 CHAINS =  
 1 INCH

B C D E F G H I J K L M N O P Q R S T U

36 ●  
 35 ●  
 34 ●  
 33 ●  
 32 ●  
 31 ●  
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 5 ●  
 4 ●  
 3 ●  
 2 ●

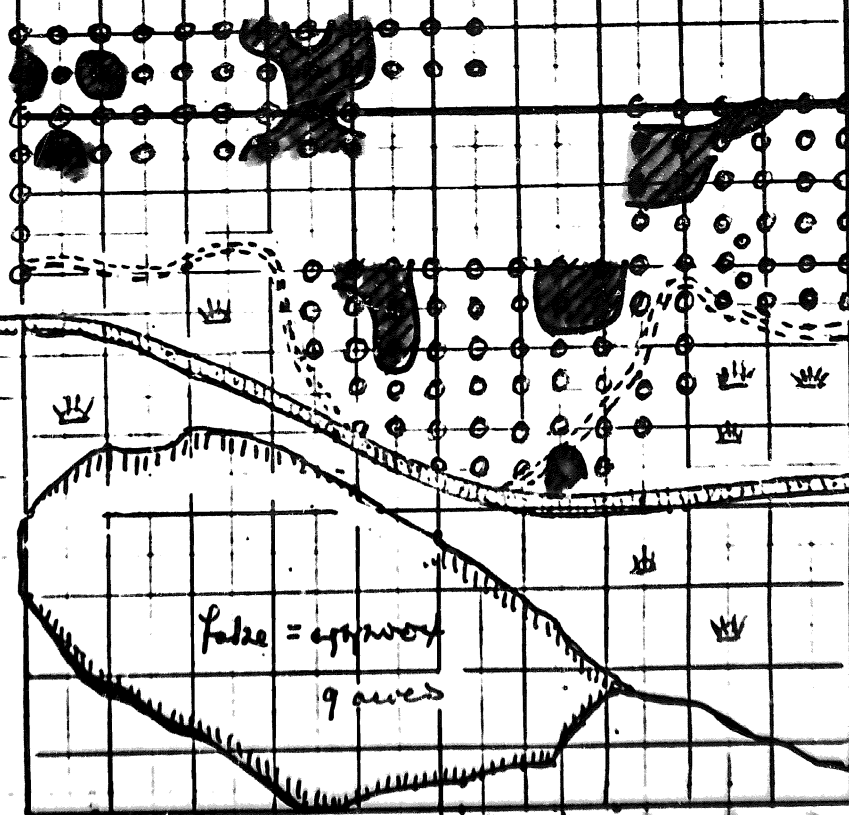
LAKE GEORGE ROAD  
 APPROX 1 MILE WEST

UPPER QUANTILE OF ZINC VALUES > 300 PPM

(P)  
 S6632

76 chains

(P)  
 S6631



false = gateway  
 9 acres

(8)

B C D E F G H I J K L M N O P Q R S T U

CONCESSION VI NESS TWP DISTRICT SUBDIVISION  
 PLAN NO. M 930

PATENTED MINING CLAIMS REGISTERED IN NAME  
 OF J.K. JASPERSON APRIL 18 1968



SCALE:  
 4 CM = 100 FT

S C D E F G H I J K L M N O P Q R S T U

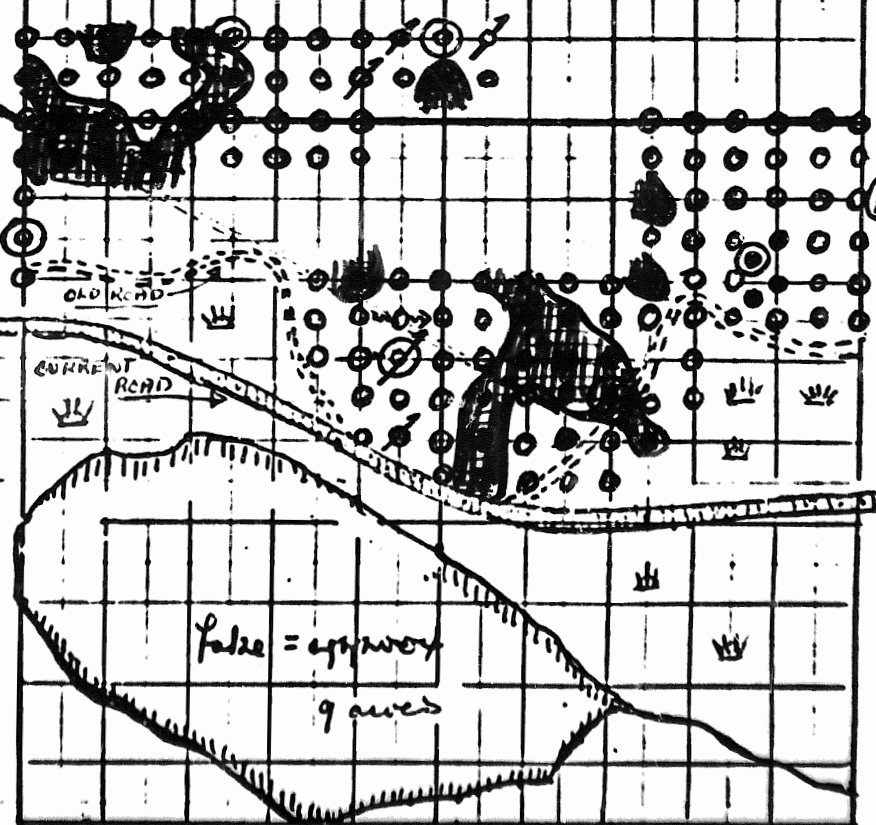
36 ●  
 35 ●  
 34 ●  
 33 ●  
 32 ●  
 31 ●  
 30 ●  
 29 ●  
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 8 ●  
 7 ●  
 6 ●  
 5 ●  
 4 ●  
 3 ●  
 2 ●  
 1 ●

- GNEISS (S) SCHISTOSITY TRENDS OF GRADING
- ~> FRACTURE TRENDS
- ⊙ SAMPLE ROCK LOCATIONS
- SAMPLE HUMUS LOCATIONS
- AZURE BLUE TRACES IN BALSAM
- DIKE
- ..... PROJECTION

FIELD TRIP SEPT 22/80 - 27/80  
 J.K. JASPERSON

UPPER QUANTILE COPPER VALUES > 100 PPM

LAKE GEORGE HIGH  
 APPROX 1 MILE WEST



S C D E F G H I J K L M N O P Q R S T U

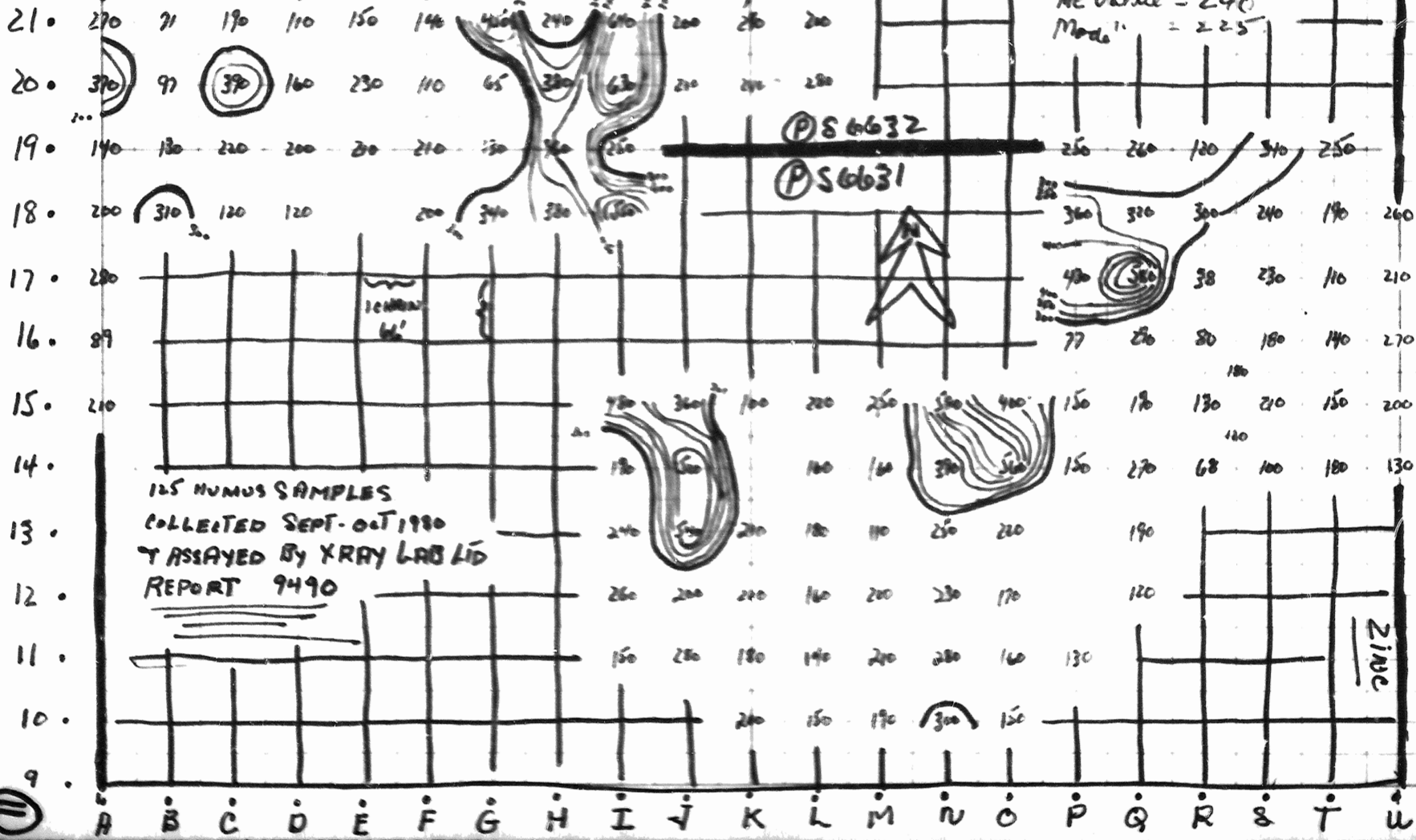
9



OCT 1980

Suggested pattern of Zn in humus with contour lines for 300, 350, 400, 450, 500, 550, 600 PPM

ME value = 240  
 Mode = 225

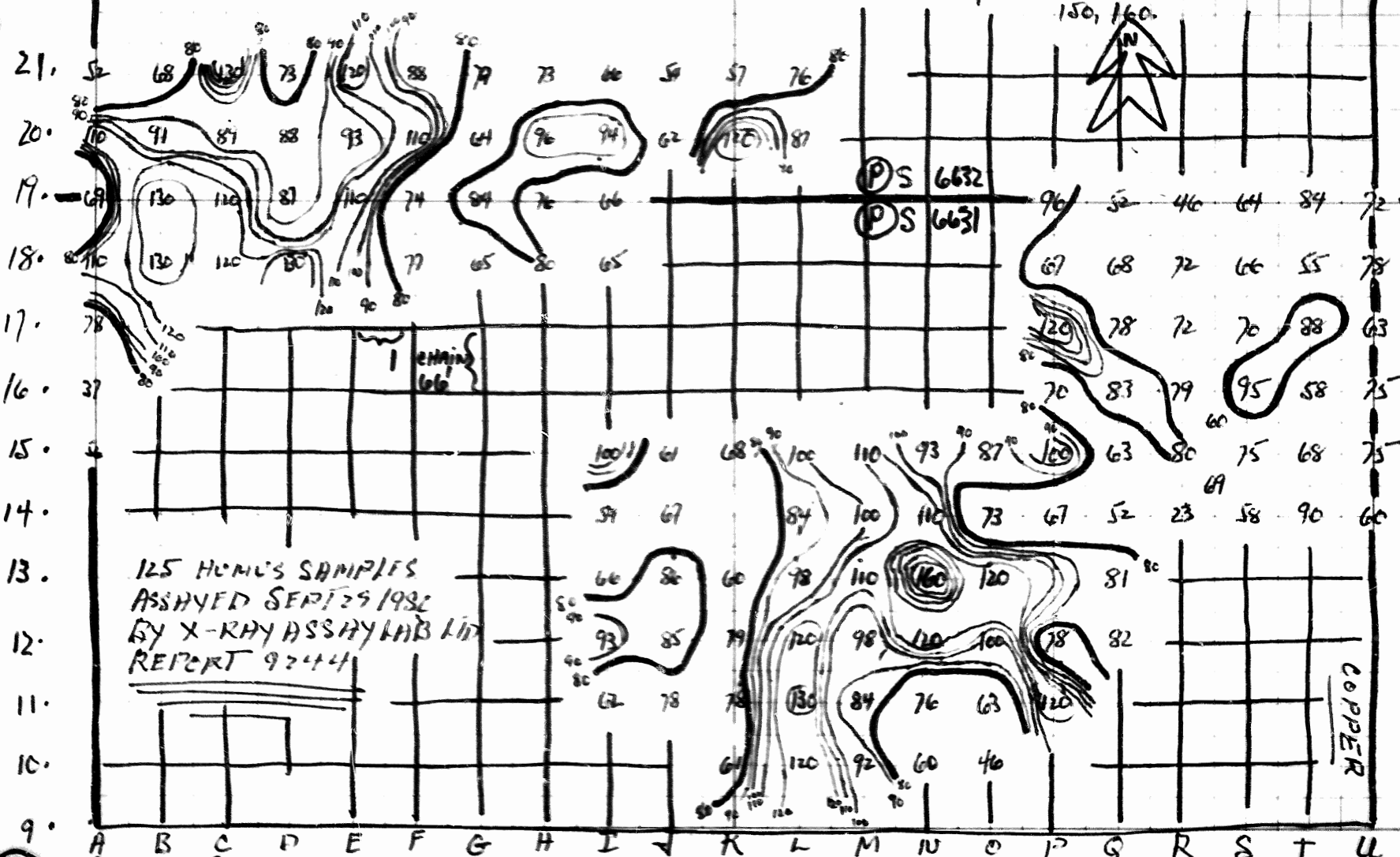


125 HUMUS SAMPLES  
 COLLECTED SEPT-OCT 1980  
 & ASSAYED BY XRAY LAB LTD  
 REPORT 9490

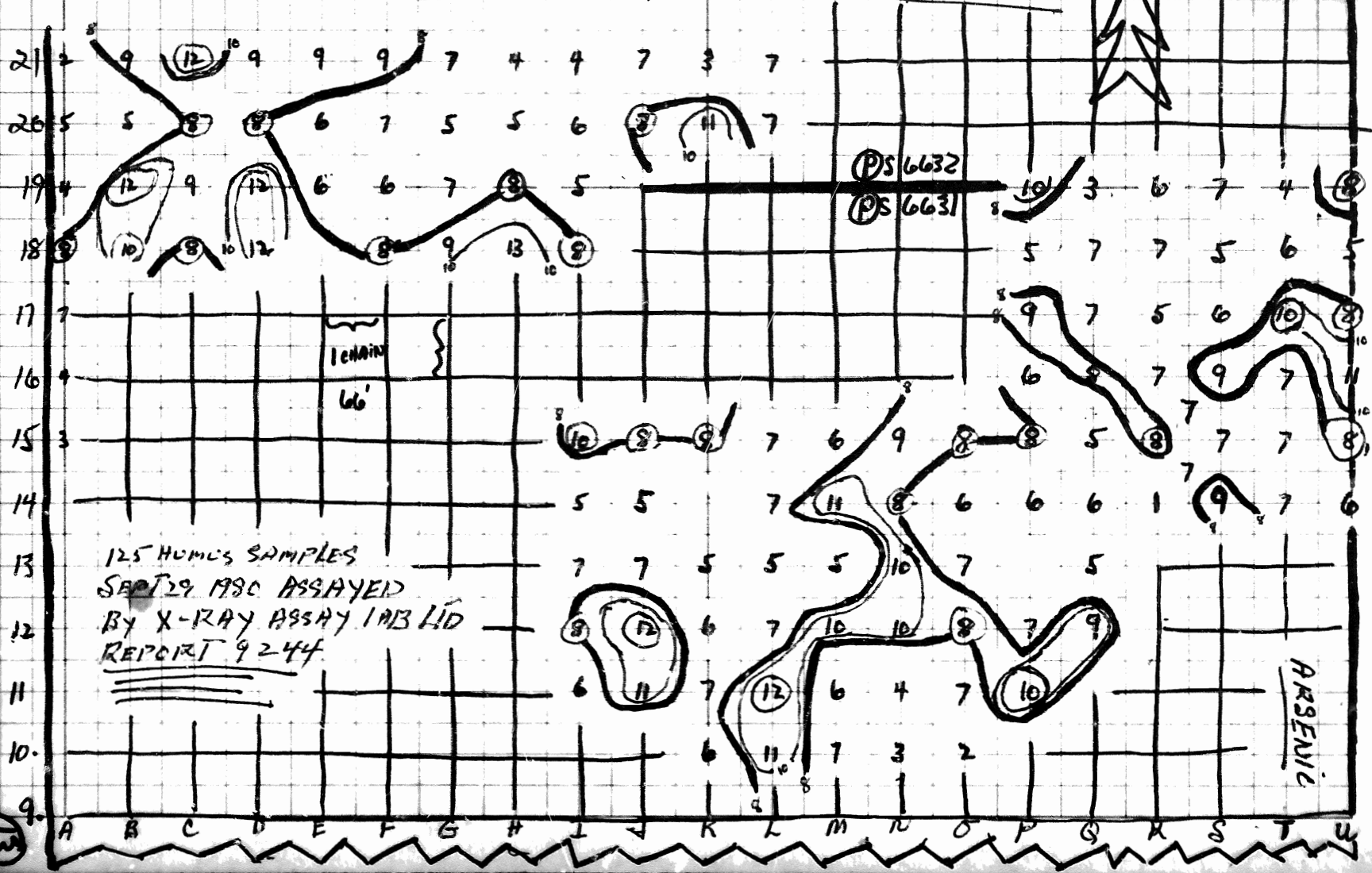
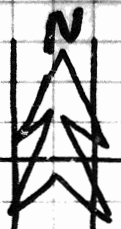
ZINC

Oct 1960

Suggested pattern of Cu in hornes  
Contour lines for 80, 90, 100, 110, 120, 130, 140,  
150, 160.



05/80. Suggested pattern of  $As$  in humus  
 contour-lines for 8 9 10 PPM.



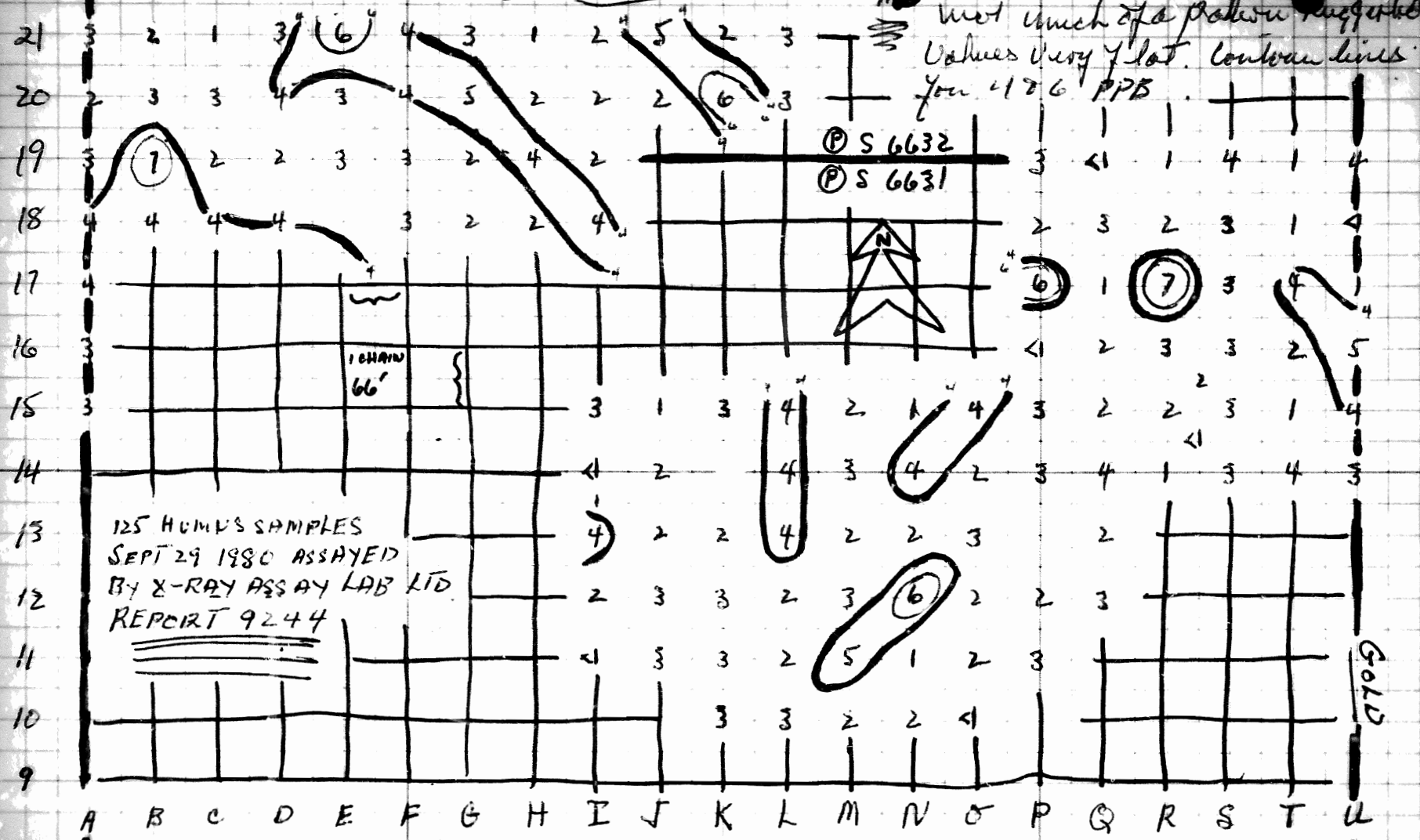
125 HUMUS SAMPLES  
 SEPT 29 1980 ASSAYED  
 BY X-RAY ASSAY LAB LTD  
 REPORT 9244

ARSENIC

(W)

OUT/80

Not much of a pattern suggested.  
Values very flat. Contour lines  
You 476 PPB

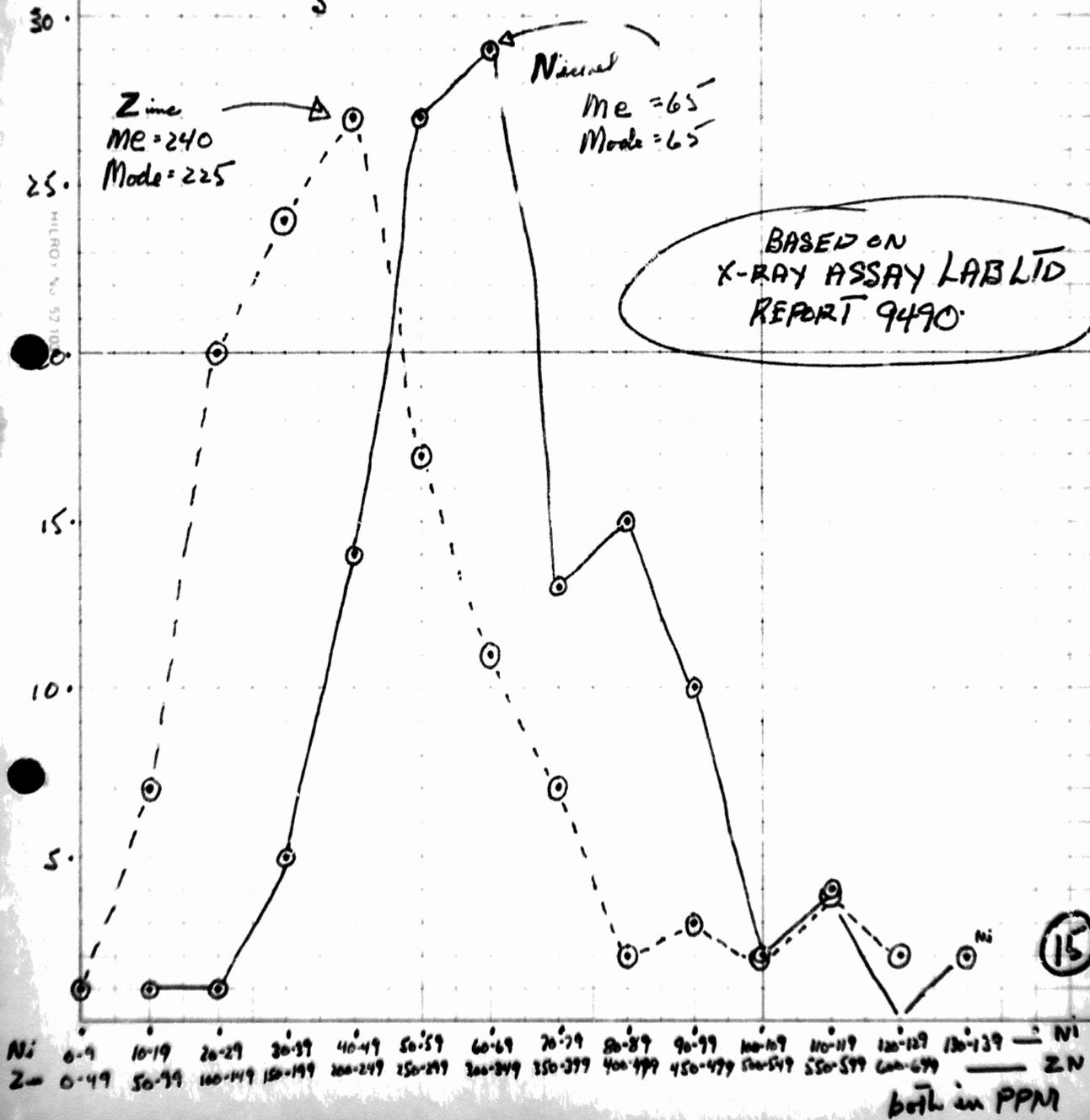


125 HUMUS SAMPLES  
SEPT 29 1980 ASSAYED  
BY X-RAY ASSAY LAB LTD  
REPORT 9244

F



Distribution of assayed values shows evidence of values above a normal distribution, i.e. positively skewed, more for Zn than for Ni, but positive in both cases. In the case of Ni there is one value approx. 5 times greater than  $\bar{x}$ 's Mean.



VALUE  
PPM

RANKING

Use above in 10/21/14. RYN 9490.

VALUE PPM	RANKING OF SAMPLES	INDIVIDUAL SAMPLE VALUE	Quantity	Cumulative
0-9				
10-19	17		1	1
20-29	29		1	2
30-39	35, 38, 34, 31, 30		5	7
40-49	45, 42, 44, 48, 46, 40, 45, 49, 49, 47, 45, 42, 46, 40		14	21
50-59	58, 54, 54, 53, 52, 58, 59, 58, 59, 58, 58, 55, 55, 57, 57, 53, 52, 57, 57, 52, 59, 55, 56, 59, 58		27	48
60-69	67, 60, 68, 60, 68, 60, 65, 66, 60, 67, 65, 61, 60, 68, 67, 66, 62, 69, 62, 67, 64, 67, 62, 66, 68, 62, 62, 66, 65, 67		29	77
70-79	78, 73, 76, 71, 76, 70, 76, 71, 77, 75, 70, 77, 71		13	90
80-89	81, 82, 85, 89, 80, 80, 88, 82, 80, 82, 87, 82, 82, 84, 82		15	
90-99	98, 92, 93, 92, 95, 95, 97, 98, 90, 91		10	
100-109	100, 100		2	
110-	110, 110, 110		4	
	130, 340		2	

lower limit of  
determining upper quartile  
 $\frac{121}{4} = 30.25$   
 $30 + \frac{1}{2} = 30.5$   
upper quartile  
lies above the 30th  
value in order of  
80 PPM

ME = 70

Values appear to  
be in class of a  
normal distribution.

ME =  $\frac{340 + 130}{2} = 235$   
ME =  $\frac{80 + 95}{2} = 87.5$

16

RANK  
VALUE  
PPM

Zinc assay.

Report 9490

QUANTITY  
BY RANK

RANK VALUE PPM	INDIVIDUAL SAMPLE VALUE	QUANTITY BY RANK	Comments
0-99	38	1	
50-99	89 65 80 92 77 71 68	7	= 8
100-149	140 120 140 140 120 120 110 130 110 130 110 120 100 130 120 110 100 130 130 140	20	= 28
150-199	190 150 150 160 150 150 190 180 160 190 140 190 160 150 180 150 150 180 180 160 170 190 180 190	24	= 52
200-249	210 200 200 240 200 290 210 220 240 260 210 210 200 220 220 220 210 200 220 230 240 210 210 220 230 230 210	27	Me = 210 = 7
250-299	280 250 280 250 290 270 270 280 250 250 260 260 260 290 280 270 250	17	= 90
300-349	310 300 340 320 300 340	6	= 102
350-399	370 380 360 390 360 380 390	7	= 109
400-449	400 450	2	= 111
450-499	450 460 480	3	= 114
500-549	540 520	2	= 116
550-599	550 580 <del>570</del> 560 580	4	= 120
600	640 630	2	= 122

Calculating rank of  
lower limit of upper  
quartile:  
 $\frac{127 \times 3 + 1}{4} = 92.75 \%$   
Lower limit of upper quartile  
is value of 96. This sample  
in order of value, is  
7299

values which appear  
to be in excess of  
a normal distribution

1230 (17)

X-RAY ASSAY LABORATORIES LIMITED

1887 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755

TELEX 06-926947

CERTIFICATE OF ANALYSIS

TO: JOHN K. JASPERSON,  
192 THREE VALLEY'S DRIVE.,  
DON MILLS, ONTARIO.

REPORT 0490

REF. FILE 5973-00

124 SAMPLES SUBMITTED ON 4-DEC-80

WERE ANALYSED AS FOLLOWS:

	UNITS	METHOD	DETECTION LIMIT
NI	PPM	AA	1.000
IN	PPM	AA	1.000

DATE 16-DEC-80

X-RAY ASSAY LABORATORIES LIMITED

CERTIFIED BY *J. J. Opperbeck*

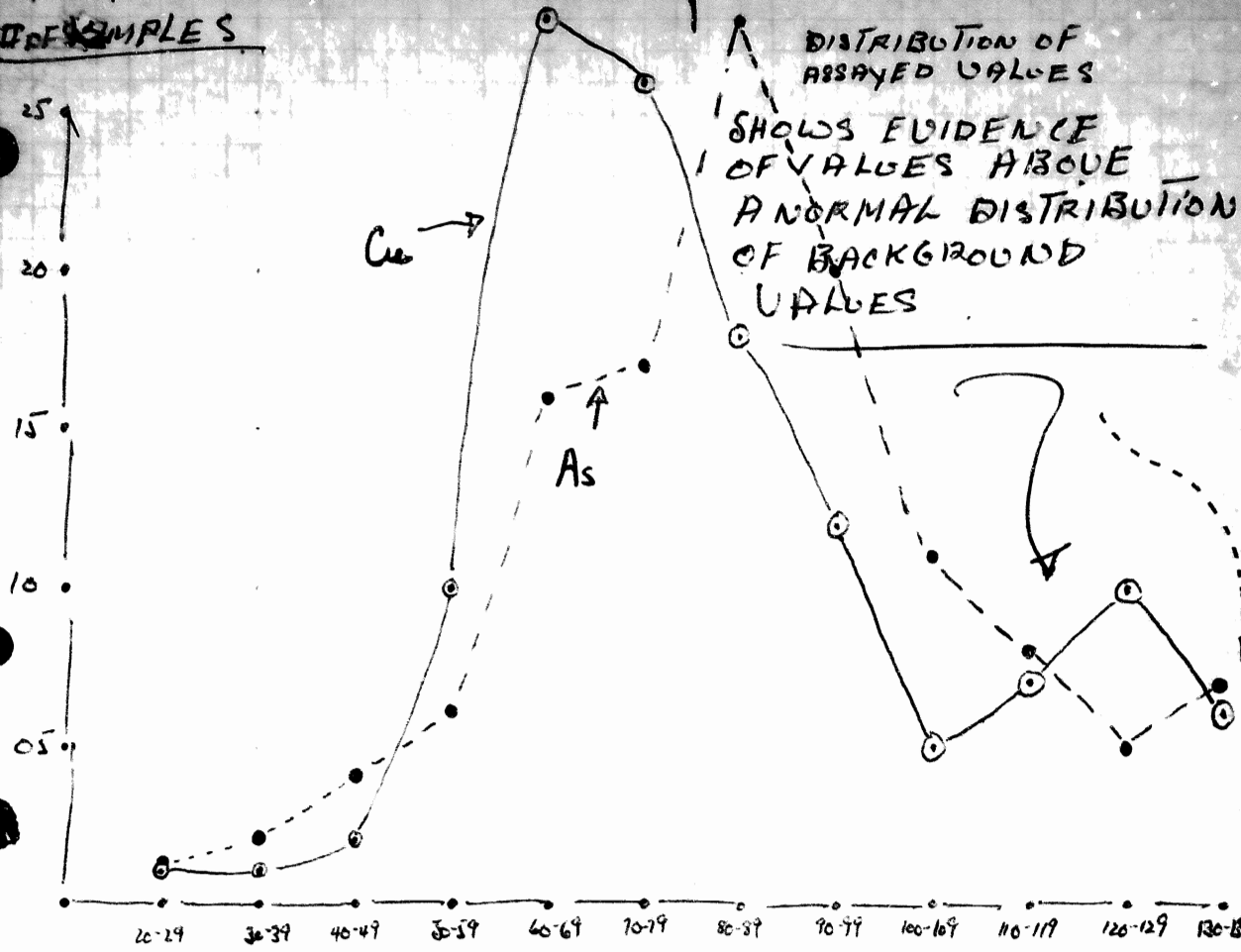
J. J. OPPERBECK

SAMPLE	NI PPM	ZN PPM
A15	35	210
A16	34	89
A17	67	290
A18	81	200
A19	65	140
A20	78	370
A21	79	270
A18	110	310
B10	110	130
B20	54	97
B21	30	71
C18	50	120
C19	87	220
C20	82	320
C21	38	120
D18	88	120
D19	95	200
D20	50	150
D21	45	110
E19	61	210
E20	67	230
E21	80	150
F18	58	200
F19	58	210
F20	52	110
F21	58	140
G18	54	340
G19	58	130
G20	40	55
G21	60	450
H18	57	330
H19	45	460
H20	54	330
H21	55	240
I11	42	150
I12	57	260
I13	46	240
I14	42	190
I15	53	430
I18	55	550
I19	44	250
I20	70	630
I21	75	640
J11	30	280
J12	49	200
J13	52	540
J14	46	520
J15	62	250
J20	60	210
J21	54	230
K10	50	200
K11	68	180
K12	73	220
K13	59	210
K15	58	100

SAMPLE	NI PPM	ZN PPM
K20	85	240
K21	48	290
L10	75	150
L11	98	140
L12	82	140
L13	66	130
L14	69	160
L15	67	220
L20	70	280
L21	68	220
M10	70	190
M11	71	210
M12	92	220
M13	60	110
M14	95	180
M15	90	250
N10	49	300
N11	55	280
N12	100	230
N13	130	250
N14	93	390
N15	77	530
O10	40	150
O11	59	160
O12	97	170
O13	91	220
O14	66	560
O15	110	400
O11	50	130
P12	SMP	MISS
P14	57	150
P15	340	150
P16	56	77
P17	110	430
P18	82	360
P19	90	250
Q12	65	120
Q13	50	130
Q14	31	270
Q15	46	130
Q16	99	280
Q17	100	580
Q18	11	220
Q19	57	260
R14	17	68
R14.5	62	120
Q15	59	130
R15.5	47	180
Q16	59	80
R17	53	28
Q18	84	300
R19	58	120
S14	62	100
S15	66	210
S16	69	180
S17	71	230

SAMPLE	NI PPM	ZN PPM
S18	77	240
S19	92	340
T14	66	130
T15	60	150
T16	52	140
T17	30	110
T18	65	190
T19	82	250
W14	71	130
W15	67	200
W16	37	270
W17	76	210
W18	67	250

DIFFERENTIAL SAMPLES



DISTRIBUTION OF ASSAYED VALUES  
 SHOWS EVIDENCE OF VALUES ABOVE A NORMAL DISTRIBUTION OF BACKGROUND VALUES

→ Cu PPM

→ As PPM

	Cu	As
me	82.5	
md	80.0	
mo	65.0	

BASED ON X-RAY ASSAY LAB LTD REPORT 9244

Anomalous evidence of Arsenic & Copper.

Both show a second high which is more pronounced in the Cu.



RANK VALUE 229

30 - 41039

23

INDIVIDUAL VALUES

376

Distribution of Coprene Values attached shows evidence of Coprene Concentration

REPORT 7244

40 - ~~49~~ 410

46  
46

50 - ~~59~~ 616

56 54 52 55  
52 57 58  
59 52 58

60 - ~~69~~

69 65 62 67 61 60 67 69 64 63  
68 64 66 61 60 63 63 60 68  
65 66 66 62 68 67 68 66 60

70 - ~~79~~

78 73 77 74 78 78 72 75 72  
79 76 73 78 79 77 75 75  
76 76 73 78 70 72 70 78

80 - ~~89~~

89 87 88 88 82 80  
84 80 85 86 81 88  
84 87 84 87 83 84

90 - ~~99~~

91 93 98 96  
96 93 98 95  
92 94 93 90

100 - 109

100 100  
100  
100  
100

110 - 119

110 110 110  
110 110  
110 110

Coprene quartile  $125 \times \frac{3}{4} + \frac{1}{4} = 94.25$   
Coprene quartile values  $> 100$

①  
⑦  
②  
⑩  
②⑧  
②⑤  
①⑧  
①②  
③  
⑦  
②

QUANTITY RANK

4

14

42

67

85

397

102

109

125

distribution of  
arsenic values

flight

RANK  
VALUE

INDIVID  
VALUES

Quantity  
BY RANK

1

1

assayed shows evidence  
of arsenic contamination

(1)

2

2

(2)

3

3333

(4)

4

44 4444

(6)

5

5555555555555555

(16)

6

6666666666666666

(17)

7

77777777777777777777777777

(28)

8

~~8888888888888888888888888888~~

(20)

9

999999999999

upper quantile  
above 94th  
is above 9ppm

(11)

10

10 10 10 10 10 10 10

(8)

11

11 11 11 11

(5)

12

12 12 12 12 12

(7)

13

(24)

CUMULATIVE

14

94

X-RAY ASSAY LABORATORIES LIMITED

1985 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755

TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: JOHN K. JASPERSON,  
192 THREE VALLEY'S DR.,  
DON MILLS, ONTARIO,  
M3A 3L5

REPORT 9244

REF. FILE 5223-PR

125 HUMUS SUBMITTED ON 29-SEP-80

WERE ANALYSED AS FOLLOWS:

	UNITS	METHOD	DETECTION LIMIT
AU	PPM	VA	1.000
CU	PPM	AA	1.000
AS	PPM	VA	1.000

DATE 25-NOV-80

X-RAY ASSAY LABORATORIES LIMITED

CERTIFIED BY *J. J. Debeck*

J. J. DEBECK



SAMPLE	AU PPM	CU PPM	AS PPM
A15	3	56	3
A16	3	37	4
A17	4	73	7
A18	4	110	3
A19	3	69	4
A20	2	110	5
A21	3	52	2
B18	4	130	10
B19	7	130	12
B20	3	91	5
B21	2	68	9
C18	4	120	8
C19	2	120	9
C20	3	89	8
C21	1	130	12
D18	4	130	12
D19	2	87	12
D20	4	89	8
D21	3	73	9
E19	3	110	6
E20	3	93	6
E21	6	120	9
F18	3	77	3
F19	3	74	6
F20	4	110	7
F21	4	88	9
G18	2	65	9
G19	2	84	7
G20	5	64	5
G21	3	79	7
H18	2	30	13
H19	4	76	3
H20	2	96	5
H21	1	72	4
I11	<1	62	6
I12	2	93	8
I13	4	66	7
I14	<1	59	5
I18	3	100	10
I19	4	65	3
I19	2	56	5
I20	2	94	6
I21	2	66	4
J11	3	78	11
J12	3	85	12
J13	2	86	7
J14	2	67	5
J15	1	61	8
J20	2	62	3
J21	5	54	7
K10	3	61	6
K11	3	78	7
K12	3	79	6
K13	2	60	5
K19	3	68	8

26

SAMPLE	AU PPB	CU PPM	AG PPM
K20	5	120	11
K21	2	97	7
L10	3	120	11
L11	2	100	12
L12	2	120	7
L13	4	97	5
L14	4	84	7
L15	4	100	7
L20	3	97	7
L21	3	75	7
M10	2	92	7
M11	5	84	6
M12	3	99	10
M13	2	110	5
M14	3	100	11
M15	2	110	5
N10	2	60	3
N11	1	76	4
N12	6	100	10
N13	2	100	10
N14	4	110	9
N15	1	93	9
O10	<1	46	2
O11	2	63	7
O12	2	100	9
O13	3	120	7
O14	2	73	6
O15	4	87	3
P11	3	120	10
P12	2	75	7
P14	3	67	5
P15	3	100	9
P16	<1	70	5
P17	6	120	9
P18	2	67	5
P19	3	96	10
Q12	3	82	9
Q13	2	81	5
Q14	4	52	6
Q15	2	63	5
Q16	2	83	8
Q17	1	79	7
Q18	3	68	7
Q19	<1	52	3
R14	1	23	<1
R14.0	<1	69	7
R15	2	90	8
R15.0	2	60	7
R16	3	79	7
R17	7	72	5
R18	2	72	7
R19	1	46	5
S14	3	58	7
S15	3	75	7
S16	3	95	9
S17	3	70	6



SAMPLE	AU PPB	CU PPM	AS PPM
S18	3	66	5
S19	4	64	7
T14	4	90	7
T15	1	68	7
T16	2	58	7
T17	4	88	10
T18	1	55	6
T19	1	84	4
W14	3	60	6
W15	4	75	8
W16	5	75	11
W17	1	63	8
W18	<1	78	5
W19	4	72	8

DAILY JOURNAL

Notes:

Prospecting Lake Geneva  
area, Sept 22 - 27/80  
included

John K. Jayson

Monday Sept 22/80

Drive to highway thru Muddy Lake  
Motel. in AM.

Out to Clairville near Lake Geneva Mts.

3-4 hrs in PM. Reconnected

a) established A15 sample site  
as beginning point

b) Ran A line north from and  
collected samples.

A15, 16, 17, 18, 19, 20 & 21.

c) 45 minutes drive to motel.

Tuesday Sept 23/80

a) 45 minutes to site

b) collected samples: Began 8:30 AM

21 B, C, D, E, F, G, H, I, J, K, L } AM  
20 L, K, J, I, H, G, F, E, D, C, B }

c) collected samples:

19 B, C, D, E, F, G, H, I } PM  
18 I, H, G, F, E, D, C, B }

Finished 4:30 PM

d) 45 minutes to motel

Wednesday Sept 24/80

a) 45 minutes to site

b) collected samples: began 8:45 AM.

established Q14 as beginning point EAST SIDE

Samples: 14 G, R, S, T, U

Q15, 16, 17, 18, 19

R 19, 18, 17, 16, 15

c) Samples: P14, 15, 16, 17, 18, 19

S15, 16, 17, 18, T18, 17, 16, 15

Finished 4:30 PM

d) 45 minutes to motel

4  
9 1/2  
9 1/4  
8  
8  
3

42 hrs

Sample  
collection

work 3 hrs.

Travel 1 hr.

4

(2)

work 8 hrs.

Travel 1 1/2 hrs.

9 1/2

(22)

(16)

work 7 3/4 hrs

Travel 1 1/2 hrs

9 1/4 hrs.

(15)

(14)

(29)

# DAILY JOURNAL

Thursday Sept 25/80.

- a) 45 minutes to site  
b) collect samples. started 8<sup>30</sup> AM.  
6 hrs. (19) U15, 16, 17, 18, 19, T19, S19  
Q13, 12, P12, 11, O11, 10  
N10, 11, 12, 13, 14, O14  
c) Photographs and Samples. R14.5 & R15.5.  
+ rock sample from R15.5.  
6 1/2 hrs. 1 1/2 hrs. } also, photographs & rock sample from  
1 1/2 hrs. } O12  
8 } finished 3:32 PM.  
d) 45 minutes to motel.

Friday Sept 26/80.

- a) 45 minutes to site  
b) collected samples: started 8<sup>30</sup> AM.  
4 1/2 hrs. 17 10M, L, K, 11K, L, M, 112, L, K, J  
13J, K, L, M, N, O 13 & O12  
c) collected samples.  
2 hrs. 8 14M, L, K,  
wait 1/2 hr. 15K, L, M, N, O. rained out.  
trav. 1 1/2 hrs. finished 3<sup>00</sup>  
8 hrs. d) 45 minutes to motel.

Saturday Sept 27/80.

- a) 45 minutes to site  
b) collected samples:  
2 1/4 hrs. J11, I11, 12, 13, 14, 15, J15, J14  
wait 2 1/4  
trav. 3/4  
3 hrs.



CO-ORDINATE	SAMPLES		TREES				ELEVATION		TOPOGRAPHICAL FEATURES STRIKE OF BANDING				CRUISE LINE NOTES
	MUNUS	ROCK	BIRCH	BALSAM	SPRUE	POPLAR	AMT		DIKE	CHIST	GMIES	OUTCROP	
Nov PM.	15A	✓											heading NORTH
	16A	✓	✓				+10'	>	15A				Sample from open area on slope
Sep 22 '80	17A	✓	✓				+1'	>	16A				
	18A	✓		✓	✓	✓	+5'	at	17A + 1/2				more quad met from here, near top of wedge
	19A	✓	✓		✓	✓				NW			Sample from hole in ground - <sup>humus</sup> collected at bottom - 3' deep - NW strike
	20A	✓	✓	✓									Top of ridge, banded balsam
	21A	✓	✓	✓	✓								Balsam marked with tape 3 yds shoot of sample
8:30	21B	✓				✓							heading EAST
	21C	✓			✓	✓	-5'	<	21B				
	21D	✓			✓	✓	-5'	<	21C				
Sep 23 '80	21E	✓	✓		✓								level
	21F	✓	✓				-5'	at	21E + 10'	NW			119 yds - black & dark gray rock - small wedge on left is high strike NW
	21G	✓								NW			outcrop NW strike
	21H	✓											open moss covered rock NW strike 1/2 sq more clear area continuation of open area with exposed rock moss covered
10:30	21I	✓	✓	✓	✓								about 12' into bush from open area slightly more open, trees thinner
	21J	✓	✓		✓	✓							
	21K	✓	✓		✓					SW ?	SW		thick stand of ? spruce - good humus outcrop SW strike - next left open area - shot on SW shot
	21L	✓			✓					SW ?	SW		Banded rock possible unmineralization
	20L	✓	✓		✓	✓							heading WEST
	20K	✓											next to banded boulders - south end of 21K outcrop
	20J	✓											
Sep 23 '80	20I	✓								SW			66 yds, just across open area with SW trending rocks about 10' down slope
	20H	✓	✓	✓		✓	-10'						Slopes down to south & rises N, W, E
	20G	✓	✓	✓		✓							South 3' is a 5' rise
	20F	✓	✓	✓		✓							more forest - growing ahead (left)
	20E	✓	✓	✓		✓	+5'						
	20D	✓	✓	✓		✓							
	20C	✓	✓	✓		✓	+6'						
(29)	20B	✓	✓	✓		✓							Crossed my North A line about 45' South of 20A
	20A	✓	✓	✓		✓							N.B.



COORDINATES	SAMPLES		TREES				ELEVATION		TOPOGRAPHICAL FEATURES STRIKE OF BANDING				CRUISE LINE NOTES
	HUMUS	ROCK	BALM	BALSAM	SPRUCE	POPLAR	AMT		RIKE	CHYST	GNCS	CONTRAP	
P14	✓		✓										24 yds west of Q14 - young spruce - good sample heading NORTH.
Sept 24 P15	✓		✓		and alder ✓								
P16	✓				alder with touch of aspen								
P17	✓		✓		Tall knoekes								
P18	✓		✓	✓									
P19	✓		✓	✓									tree broke so estimate Q19 is 28 yds to the east.
S14			-----										heading NORTH.
Sept 24/80 S15	✓		✓	✓									
S16	✓		✓	✓									note <del>is</del> approx blue gum on 10" living Balsam. photos
S17	✓		✓	✓									
S18	✓												
Sept 24 T18	✓		✓			✓							heading SOUTH.
T17	✓		✓	✓		✓							
T16	✓			✓		✓							
T15	✓		✓	✓									
T14			-----										crossed T14 dead on belt 8 yds further
U14			-----										heading NORTH.
U15	✓		✓										
Sept 25 U16	✓		✓	✓		✓							
U17	✓		✓			✓							
U18	✓			✓		✓							
U19	✓												turn WEST for T19 & S19.
T19	✓												
S19	✓					✓ Thick							ended at S19 only 11 yds EAST of R19
Q13	✓		✓										Side between 12th & 13th swamps
Q12	✓		✓										heading SOUTH -
P12	✓					✓							west to P12 edge of 12th swamp back 3 yds west heading SOUTH
P11	✓					✓							heading west to O11
O11	✓		✓			small birch							west side of 12th 10m heading South SE side of 12th. west heading west to N10
O10	✓		✓			✓ CONTRA							heading NORTH to N11
N10	✓												Balsam showing approx blue
N11	✓												
N12	✓		✓										
N13	✓		✓										Balsam showing touch of aspen
N14	✓												
O14	✓												turn east for O14 west towards P14 at further east.

COORDINATES	SAMPLES		TREES				ELEVATION		TOPOGRAPHICAL FEATURES STRIKE OF BRINDING			
	HUMUS	ROCK	BIRCH	BIRCH (SP)	SPRUC	POPLAR	AMT		DIKE	CHST	GNEIS	QUARTZ.

# CRUISE LINE NOTES

	M10	✓		✓	✓										heading WEST	across top of hill to K11
Sup 26/80	L10	✓		✓	✓											
	K10	✓		✓	✓										heading North	
	K11	✓		✓	✓										Top of wood, a bit EAST	
Fwi	L11	✓													mouth of 15' cliffs	
	M11	✓													Tron North	
	M12	✓			✓										Tron EAST	
	L12	✓			✓											
	K12	✓													over the hill & going down	
	J12	✓													about 2 chains from Rd.	
	J13	✓	✓												due WEST	
	K13	✓													Below outcrop 20' up Rd & back on white rock.	
	L13	✓		✓	✓	✓										
	M13	✓				✓										line worked at N13 + 29 de.
	N13	✓														
	-O13	✓		✓	✓											
	-O12	✓	✓	✓												opening near large Boulder some veins showing quartz
Fwi	M14	✓		✓	✓											
	L14	✓		✓	✓											
Sup 26/80	K14	✓														Top of outcrop
	J14	✓														
	I14	✓														
	J15	✓														
	J15	✓														
	K15	✓			✓											Top of hill - a few blue top in Babson
	L15	✓			✓											
	M15	✓														top - which is down in East
	N15	✓			✓											
	O15	✓														

fractures North of K10

NE

didn't do them here. did these samples on Sat. AM.

(28)

R 1/2 M 1/2  
R 1/2 N 1/2

} Thursday Sept 25

} Photographs of quartz in Tule (Babson gum) & rock samples taken

(34)

Sat AM  
Sun 27/80

COORDINATES	SAMPLES		TREES				ELEVATION		TOPOGRAPHICAL FEATURES: STRIKE OF BANDING				CRUISE LINE NOTES	
	HUMUS	ROCK	BIRCH	BALSHAM	SPRUCE	POPULAR	AMT	NOTES	DIKE	CHISEL	GRAVE	OUTCROP		
J 11	✓		✓	✓								NE	*WEST to I11 then South	
I 11	✓		✓	✓		✓							bottom of hill / outcrop right leading in front NORTH	
I 12	✓		✓		✓								outcrops	
I 13	✓											E		
I 14	✓													
I 15	✓		✓	✓		✓							Beside outcrop Big gabbro boulders. Thin EAST for I15	
J 15	✓		✓		✓		+20'	> I15					✓	Part way up the hill - outcrop with EAST strike fracture underneath high cliff
J 14	✓		✓		✓			20' below Top of I14						
I 14	~~~~~												hit I14 weight on	
H 15	~~~~~		alder		} use samples									
H 14	~~~~~		alder		}									
H 13	~~~~~		Swamp		}									