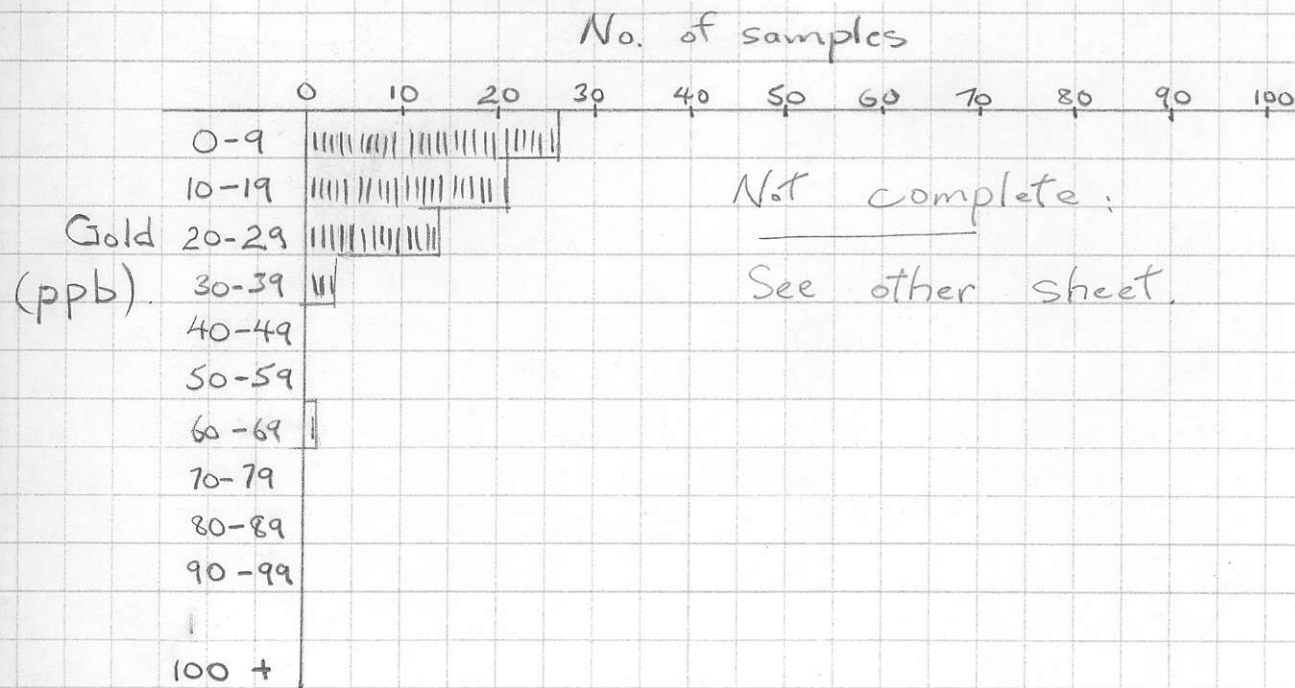
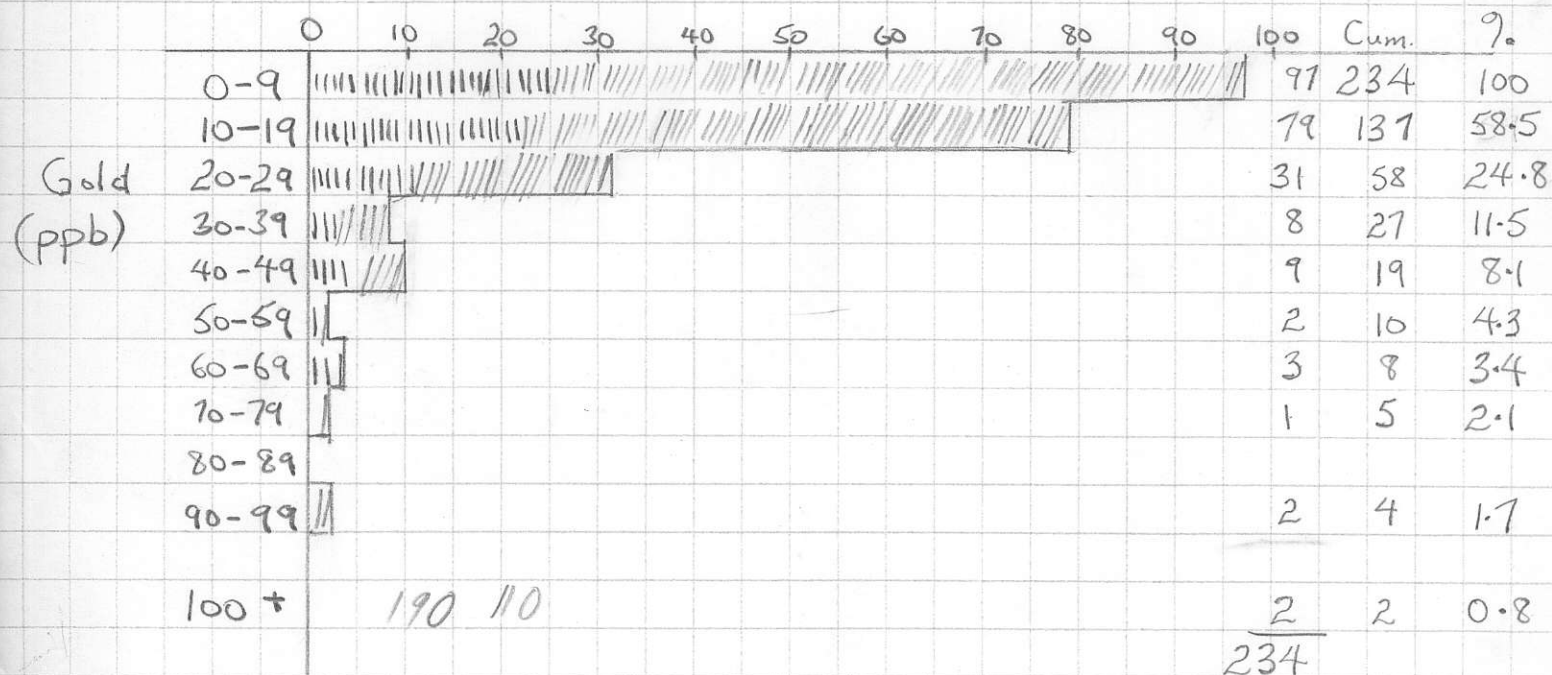


CHEVRON

① Area A - Gold from Soil Samples



② Area B - Gold from Soil Samples



Security Geochemistry:

June, 1980

CHEVRON

③ Area C - Gold from Soil Samples

No. of samples

	0	10	20	30	40	50	60	70	80	90	100
0-9							50	107	100	<del>50</del>	
10-19							37	51	53.3	<del>37</del>	
20-29							14	20	18.7	<del>15</del>	
Gold (ppb)											
30-39							2	6	5.6	<del>2</del>	
40-49							2	4	3.7	<del>1</del>	
50-59							1	2	1.9	<del>1</del>	
60-69										<del>10.4</del>	✓
70-79											
80-89											
90-99											
100+											1140

Total  $\frac{1}{107}$   $\uparrow$  Cumulative  $\frac{1}{107}$  ✓

0.9  
↑  
9%

CHEVRON

SEC. AREA A / Au SOILS

8 16 24 32 40 48 56 64 72 80

Σ

Σ

Cum

%

Depth	8	16	24	32	40	48	56	64	72	80	Σ	Cum	%
0-9											88	219	100
10-											73	131	60.0
20-											36	58	26.6
30											10	22	10.1
40											3	12	5.5
50													
60											2	9	4.1
70													
80													
90											1	7	3.2
100											1	6	2.7
110											1	5	2.3
120													
130													
140											1	4	1.9
150													
160													
170													
180													
190											2	3	1.4
200													

1840,

1  
219  
✓



SECURITY A  
SOILS : As

(JMT)

INTERVAL	TALLY	R. TOTAL	TOTAL	x %	1-x %	
0-9	54	54	421	12.8	87.2	100
10-19	67	121		28.7	71.3	87.2
20-29	38	159		37.8	62.2	etc.
30-39	26	185		44.0	56	↓
40-49	29	214		50.8	49.2	
50-59	68	282		67.0	33	
60-69	22	304		72.2	27.8	
70-79	20	324		77.0	23	
80-89	6	330		78.4	21.6	
90-99	1	331		78.6	21.4	
100-109	8	339		80.5	19.5	
110-119	7	346		82.2	17.8	
120-129	7	353		83.8	16.2	
130-139	8	361		85.7	14.3	
140-149	3	364		86.5	13.5	
150-159	2	366		87.0	13	
160-169	9	375		89.1	10.9	
170-179	2	377		89.5	10.5	
200-209	1	378		89.8	10.2	
210-219	2	380		90.3	9.7	
220-229	6	386		91.7	8.3	
230-239	2	388		92.2	7.8	
240-249	4	392		93.1	6.9	
300-309	4	396		94.1	5.9	
320-329	4	400		95.0	5.0	
510-519	3	403		95.7	4.3	
520-529	3	406		96.4	3.6	
530-539	2	408		96.9	3.1	
540-549	2	410		97.4	2.6	
600-609	1	411		97.6	2.4	
750-759	2	413		98.1	1.9	
800-809	2	415				
1000	6	421				

## JMT

SECURITY / Au  
AREA A / Soils

		<u>Σ</u>	<u>Cum</u>	<u>%</u>
0-9		73	146	
10		37	73	50
20		15	36	24.6
30		6	21	14.4
40		3	15	10.3
50		3	12	8.2
60				
70				
80				
90		1	9	6.1
100		1	8	5.5
110				
120				
130				
140				
150		1	7	4.8
160				
170		1	6	4.1
180				
190				
200		1	5	3.4
596	225	4	4	2.7
2870	365	<hr/>		
		146 ✓		

JMT  
Area A.  
Grid overlap only

0		15	135	
10		13	120	88.8
20		6	107	79.0
30		6	101	75.0
40		6	95	70.5
50		23	89	66.0
60		11	66	49.0
70		5	55	40.9
80		3	50	37.1
90		0		
100		4	47	35.0
110		2	43	32.0
120		2	41	30.4
130		5	39	29.0
140		3	34	25.1
150		3	31	23.0
160		2	28	20.6
170		1	26	19.3
180		0		
190		0		
200		0		
210		1	25	18.5
220		3	24	17.8
230		3	21	15.6
240		3	18	13.4
250		0		
260		0		
270		0		
280		0		
290		0		
300		3	15	11.1
320	3	3	12	8.9
510	300 320	9	9	6.7
510	540 1000 + 9	9		
520	520 320	9		
800	750 1000 520			

Area C  
 Sec. As.  
Cher.

0-9		16	0-49	40	103	
10		5	50	30	73	64.6
20		986	100	10	43	38.0
30		477	150	4	33	29.3
40		6	200	6	29	25.7
50		5	250	-		20.4
60		)	300	6	23	20.4
70		)	350	-		15.0
80		)	400	6	17	15.0
90		)	450	-		9.6
100		)	500	5	11	9.6
110		)	550	-		5.3
120		)	600	2	6	5.3
130		)	650			3.5
140			700			3.5
150						3.5
160				4	4	3.5

4  
 4  
 ---  
 113  
 3  
 ✓

200			0-19	21	<del>112</del> 112	
210			20 -	13	<del>91</del> 91	81
220			40 -	11	78 ✓	69.8
230			60 -	16	67 ✓	59.8
240			80 -	9	51 ✓	45.5
250			100 -	10	42 ✓	37.5
260			140 -	4	32 ✓	28.5
270			180 -	6	28 ✓	25.0
280			220 -	0	22	19.7
290			260 -	0	22	19.7
300			300 -	6	22	19.7
			340 -	0	16	14.3
			380 -	0	16	14.3
			420 -	6	16	14.3
			460 -	0	10	8.9
			500 -	5	10	8.9

~~400~~ ~~500~~ 800 800  
~~400~~ 1200 ~~500~~ ~~400~~  
~~400~~ 800 ~~600~~ ~~500~~

112  
 -16  
 ---  
 96  
 12  
 ---  
 112

+ 5



Chov.

Area B  
Security / As.

4 8 12 16 20 24 28 32 36 40 44

0-9		47	202	
10-		25	155	76.8
20		22	130	64.5
30		16	108	53.6
40		13	92	45.5
50		10	79	39.1
60		14	69	34.2
70		4	55	27.3
80		21	51	25.3
90		2	30	14.9
100		6	28	13.9
110				
120				
130				
140				
150		8	22	10.9
160				
170				
180				
190				
200		7	14	7.0
500	<del>400</del> 1000			
	<del>300</del> 350			
	<del>300</del> 1100	7	7	3.5

202 ✓

SECURITY B (JMT)  
SOILS: As

INTERVAL	TALLY	R TOTAL	TOTAL	X %	1-X %	
0-9	16	16	76	21.1	78.9	100
10-19	6	22		29.0	71	78.9
20-29	5	27		35.5	64.5	71
30-39	6	33		43.4	56.6	etc
40-49	3	36		47.4	52.6	↓
50-59	6	42		55.3	44.7	
60-69	3	45		59.2	40.8	
70-79	3	48		63.2	36.8	
80-89	2	50		65.8	34.2	
90-99	1	51		67.1	32.9	
100-109	3	54		71.1	28.9	
110-119	1	55		72.4	27.6	
120-129	2	57		75	25	
130-139	3	60		78.9	21.1	
140-149	1	61		80.3	19.7	
150-159	1	62		81.6	18.4	
160-169	2	64		84.2	15.8	
170	1	65		85.5	14.5	
180	1	66		86.8	13.2	
290	1	67		88	12	
300	1	68		89.5	10.5	
320	1	69		90.8	9.2	
400	1	70		92.1	7.9	
500	1	71		93.4	6.6	
570	1	72		94.7	5.3	
650	1	73		96.1	3.9	
71000	3	76				

## SECURITY B

(CHEVRON)

SOILS: AS

INTERVAL	TALLY	R-TOTAL	TOTAL	X %	1-X %
0-9	15	15	54	27.8	72.2
10-19	9	24		44.4	55.6
20-29	6	30		55.6	44.4
30-39	4	34		63.0	37.0
40-49	3	37		68.5	31.5
50-59	4	41		76.0	24.0
60-69	2	43		79.6	20.4
70-79	4	47		87.0	13.0
80-89	1	48		88.9	11.1
90-99	2	50		92.6	7.4
100-109					
110-119					
120-129					
130-139					
140-149					
150-159	4	<u>54</u>			
		54			

## SECURITY C

SOILS: AS

(CHEVRON)

INTERVAL	TALLY	R-TOTAL	TOTAL	X %	1-X %
0-9	3	3	36	8.3	91.7
10-19	1	4		11.1	88.9
20-29	4	8		22.2	77.8
30-39	3	11		30.6	69.4
40-49	4	15		41.7	58.3
50-59	2	17		47.2	52.8
60-69	2	19		52.8	47.2
70-79	3	22		61.1	38.9
80-89	4	26		72.2	27.8
90-99				75.0	
100-109	1	27		75.0	25.0
300-309	1	28		77.8	22.2
400-409	2	30		83.3	16.7
500-509	3	33		91.7	8.3
600-609	2	35		97.2	2.8
800-809	1	<u>36</u>			
		36			

INTERVAL	TALLY	R TOTAL	TOTAL	$\bar{x}$ %	$1 - \bar{x}$ %	
0-9	3	3	109	2.8	97.2	100
10-19	1	4		3.7	96.3	97.2
20-29	5	9		8.3	91.7	↓ etc.
30-39						
40-49	4	13		11.9	88.1	
50-59	4	17		15.6	84.4	
60-69	2	19		17.4	82.6	
70-79	2	21		19.3	80.7	
80-89	7	28		25.7	74.3	
90-99						
100-109	5	33		30.3	69.7	
110-119	2	35		32.1	67.9	
120-129	6	41		37.6	62.4	
130-139	3	44		40.4	59.6	
140-149	1	45		41.3	58.7	
150-159	2	47		43.1	56.9	
160-169	10	57		52.3	47.7	
170-179	4	61		56.0	44	
180-189						
190-199	1	62		56.9	43.1	
200-209	2	64		58.7	41.3	
210-219						
220-229	1	65		59.6	40.4	
230-239	2	67		61.5	38.5	
240-249	4	71		65.1	34.9	
250-259						
260-269	3	74		67.9	32.1	
280-289	2	76		69.7	30.3	
300-309	3	79		72.5	27.5	
320-329	2	81		74.3	25.7	
360-369	2	83		76.1	23.9	
400-409	3	86		78.9	21.1	
440-449						
600	3					
620	2					
700	1					
800	2					
1000	4					

	TALLY	R TOTAL	TOTAL	x%	1-x%
410	1	87	109	79.8	20.2
420	1	88		80.7	19.3
450	1	89		81.7	18.3
510	1	90		82.6	17.4
520	1	91		83.5	16.5
530	2	93		85.3	14.7
540	1	94		86.2	13.8
550	1	95		87.0	12.8
590	1	96		88.0	12.0
600	3	99		90.8	9.2
620	2	101		92.7	7.3
700	1	102		93.6	6.4
800	2	104		95.4	4.6
900	1	105		96.3	3.7
1000	4	109			

SECURITY: AREA A

(CHEVRON)

SOIL: As

INTERVAL	TALLY	R-TOTAL	TOTAL	X %	1-X %	
0-9	6 (50)	6 50	211 68	23.7 8.8	91.2 76.3	100
10-19	14 (31)	20 81		38.4 29.4	70.6 61.6	76.3
20-29	12 (35)	32 116		55 47.1	52.9 45	61.6
30-39	5 (29)	37 145		69 54.4	45.6 31	45
40-49	9 (13)	46 158		75 67.6	32.4 25	31
50-59	6 (7)	52 165		78.2 76.5	23.5 22	25
60-69	6 (9)	58 174		82.5 85.3	14.7 17.5	22
70-79	— (3)	177		89	16	17.5
80-89	4 (6)	62 183		86.7 91.2	8.8 13.3	16
90-99	— (4)					13.3
100-109	1 (5)	63 188		89 92.6	7.4 11	13.3
110-119						11
120-129						11
130-139						11
140-149						11
150-159	4 (8)	67 196		93 98.5	1.5 7	11
						7
200-209	1 (3)	68 199		94.3	5.7	7
						5.7
300-309	(5)	204		96.7	3.3	5.7
400	(1)	205		97.2	2.8	3.3
500	(1)	206		97.6	2.4	2.8
600	(1)	207		98.	2	2.4
800	(1)	208		98.6	1.4	2
900	(1)	209		99	1	
1000	(2)	211				

SECURITY GEOCHEM - CHEVRON

As - Soil samples

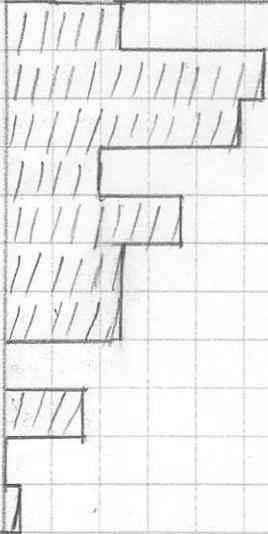
Area A

No of samples

0 5 10 15 20 25 30 35 40 45 50 55 60

P.bb

0-9  
9-19  
19-29  
29-39  
39-49  
49-59  
59-69  
69-79  
79-89  
89-99  
99-109  
109-129  
129-139  
139-149



Extra high values

150, 200, 150, 150, 150

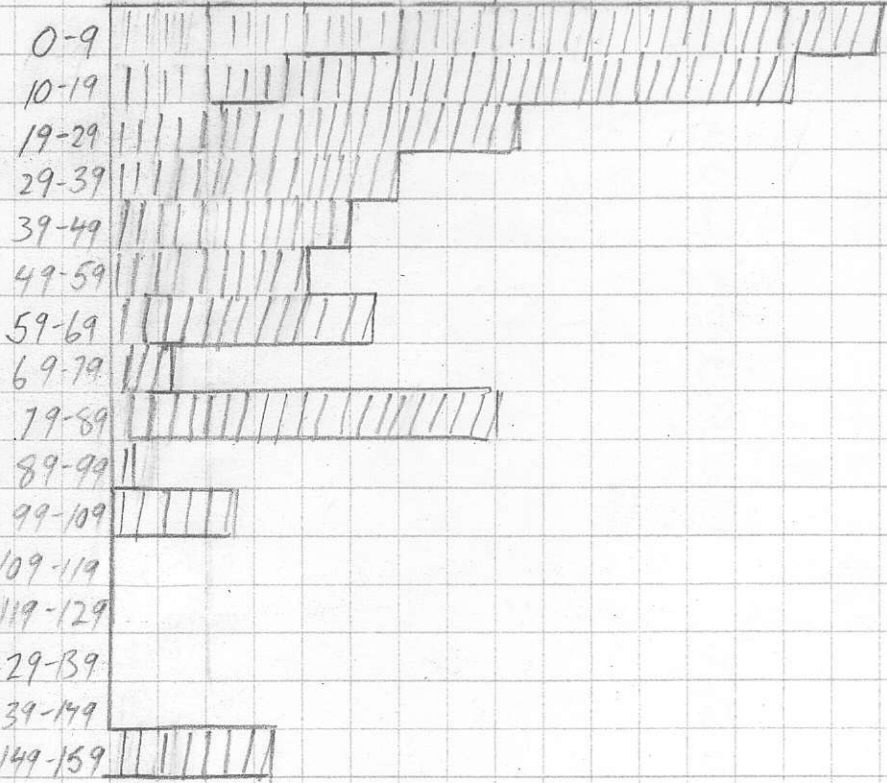
# SECURITY GEOCHEM - CHEVRON

AS - Soil samples

Area B

No of samples

0    5    10    15    20    25    30    35    40    45    50    55    60    65    70



Pbb

Extra high values    200, 350, 500, 200, 400, 1000  
 200, 300, 200, 300, 200, 200, 1100  
 200.

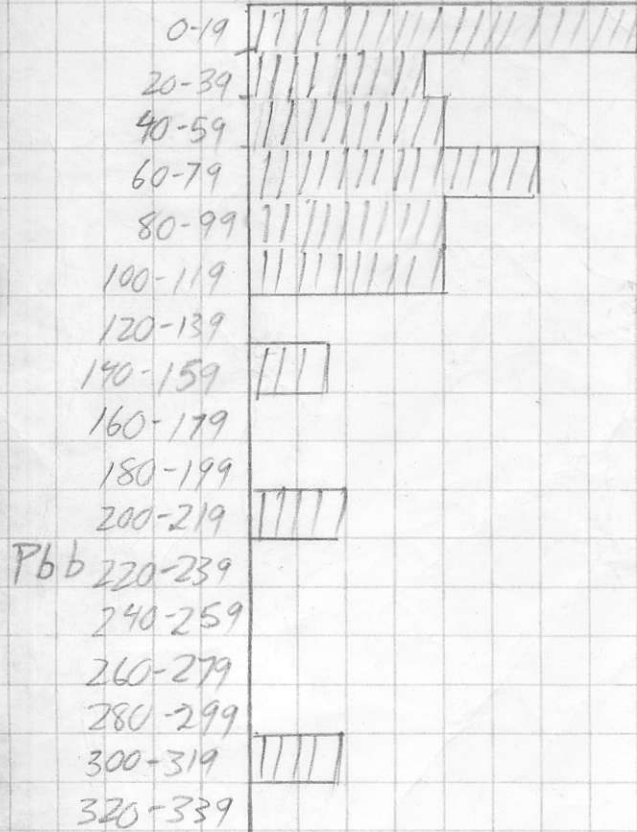


SECURITY GEOCHEM  
As - Soil Samples

Area C

Number of Samples

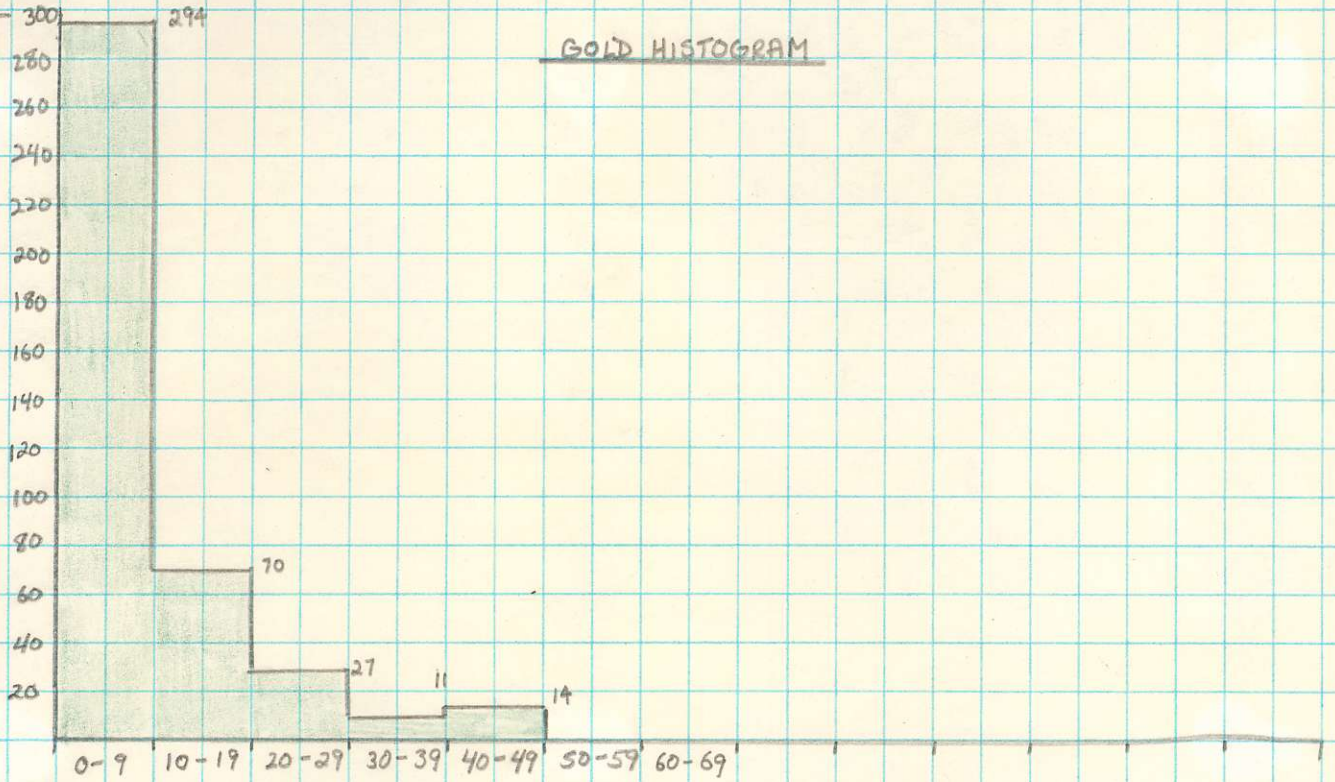
0 5 10 15 20 25 30 35 40 45 50



extra high values

400, 800, 600, 600, 400, 500  
500, 500, 400, 500, 800, 800  
400, 400, 1200, 500

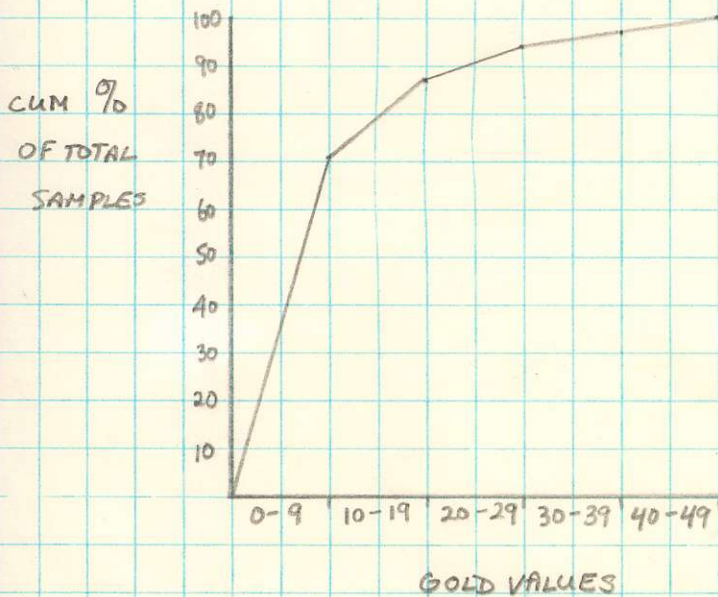
AREA A



ANOMALOUS ANALYSIS : -100, 100, 150, 175, 175, 200, 225, 590,  
700, 1465, 2545, 2870, 9870

TOTAL SAMPLES : 416 + 41645

% CUMULATIVE FREQUENCY DIAGRAM



AREA A

ARSENIC HISTOGRAM

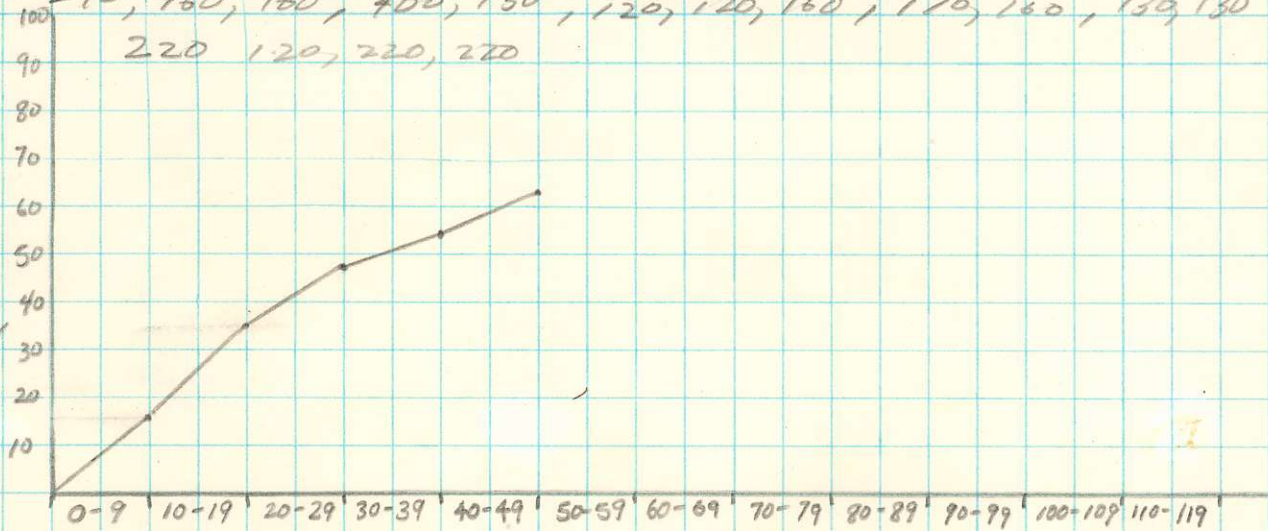
FREQUENCY



ARSENIC VALUES

200, 240, 320, 1000, 1000, 130, 235, 520, 300, 220, 160, 130, 160, 320  
 210, 170, 130, 120, 750, 540, 140, 140, 520, 235, 220, 160, 220, 300  
 1000, 1000, 120, 140, 240, 300, 240, 750, 800, 150, 150, 130, 510, 160  
 130, 120, 530, 320, 520, 600, 1000, 530, 1000, 700, 1000  
 510, 120, 800, 590, 590, 570, 160, 320, 510, 215, 300  
 240, 160, 160, 400, 130, 120, 120, 160, 170, 160, 130, 130  
 220, 120, 220, 220

90  
 CUMULATIVE  
 FREQUENCY

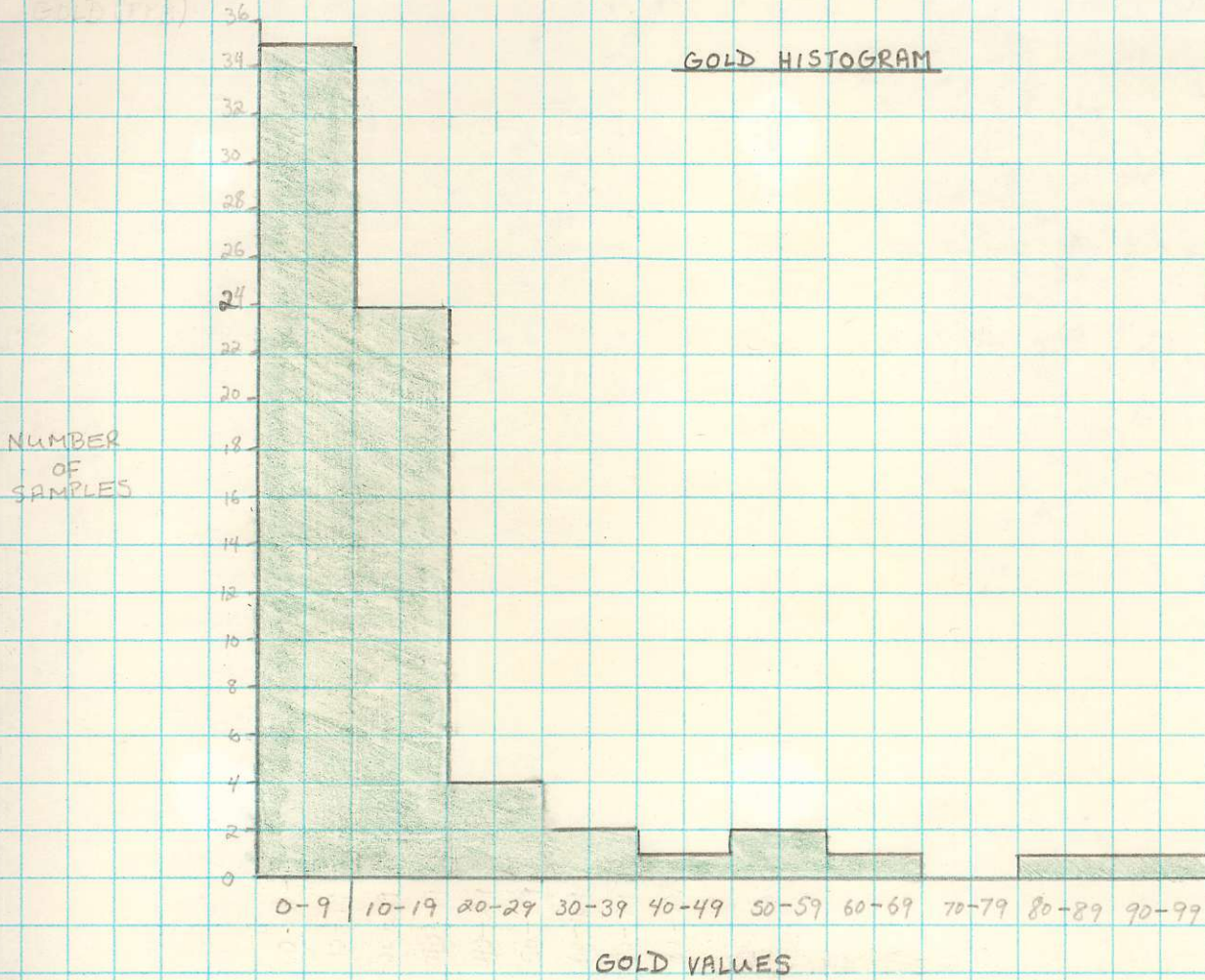


AREA "B"

SECURITY GEOCHEM  
B

IMT Soils

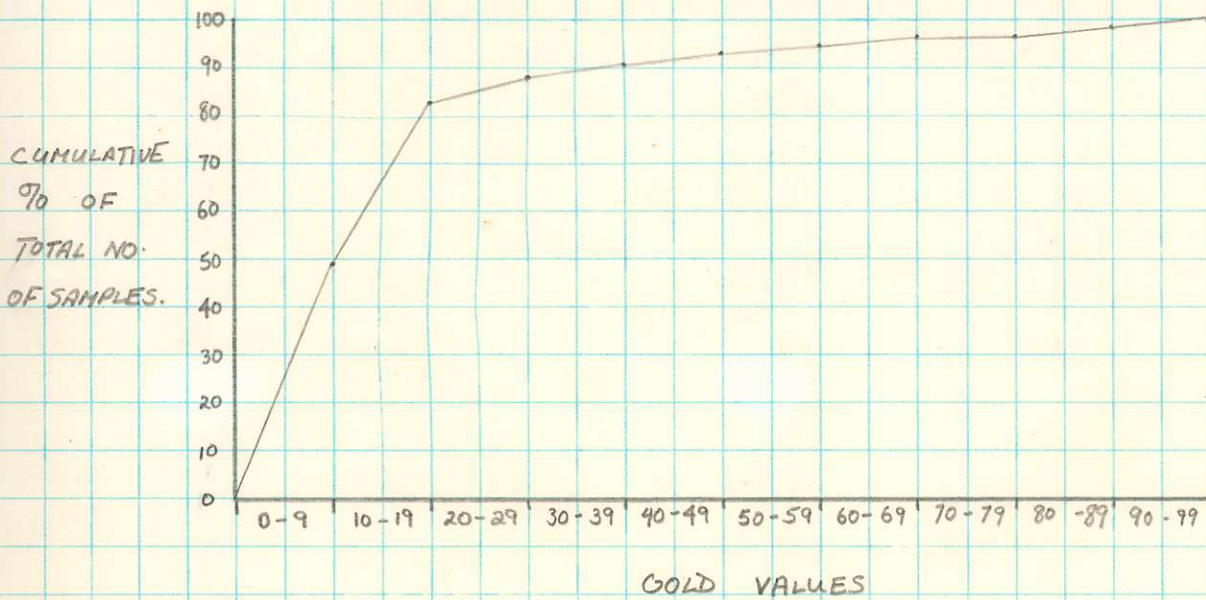
GOLD HISTOGRAM



HIGH VALUES: 124, 220

TOTAL SAMPLES: 73

% CUMULATIVE FREQUENCY GRAPH



Area B - Soil Samples: by JMT.

① Arsenic - As: (parts per million)

No. of samples

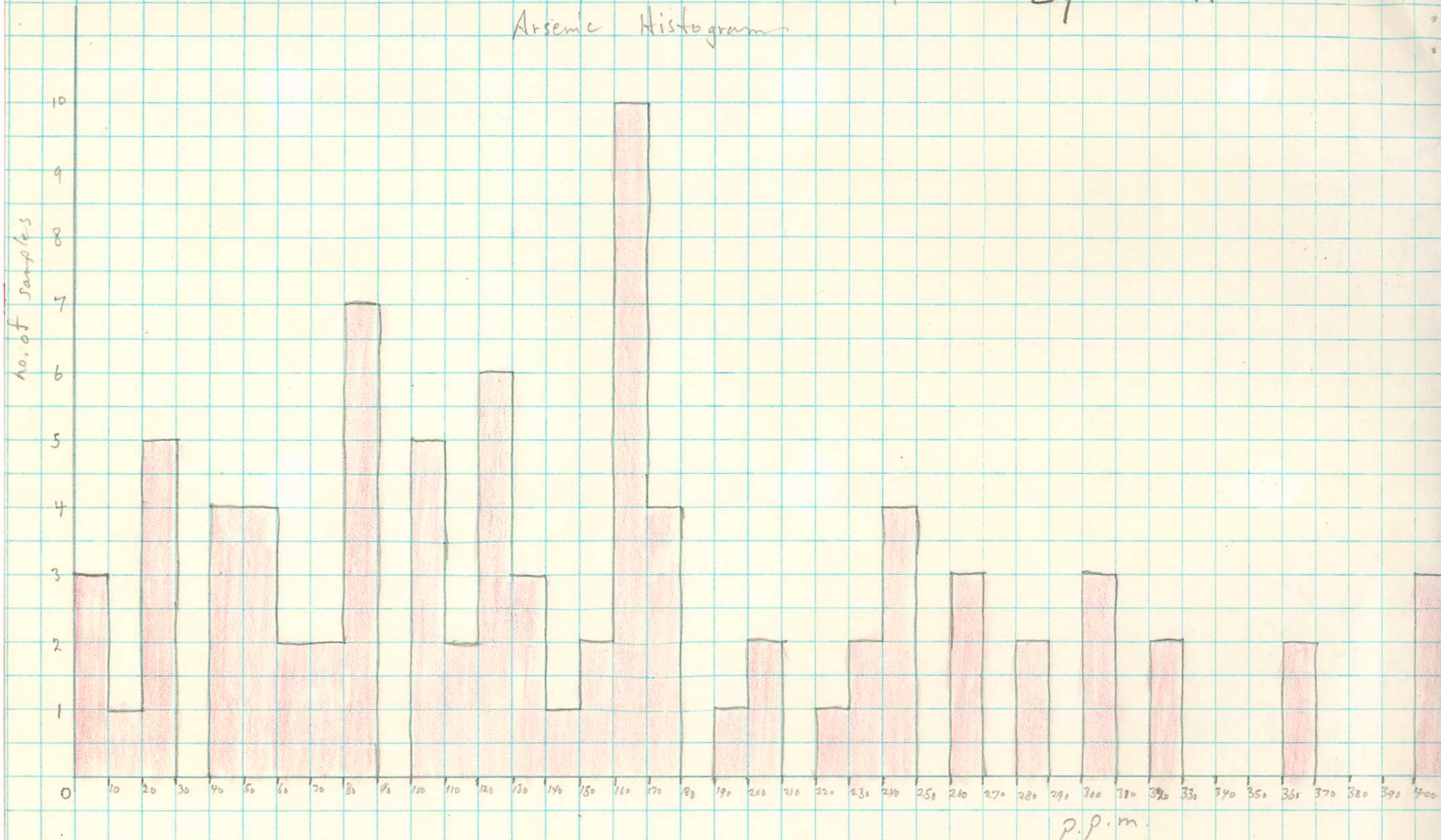
	0	2	4	6	8	10	12	14	16	18	20
0-9	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10-19	✓	✓	✓	✓	✓						
20-29	✓	✓	✓	✓	✓						
30-39	✓	✓	✓	✓	✓						
40-49	✓	✓	✓								
50-59	✓	✓	✓	✓	✓	✓					
60-69	✓	✓	✓								
70-79	✓	✓	✓								
80-89	✓	✓									
90-99	✓										
100-109	✓	✓	✓								

Extra high values. 170, >1600, 300, 120, 160; 115, 320, 400, 130, 180, 130, 120, 240, >1000, 150, 130, 140, 650, 500, 570, 160, >1000

② GOLD - Au:

Security Geochemistry  
 Area C - Soil Samples.  
 Arsenic Histogram

by JMT.

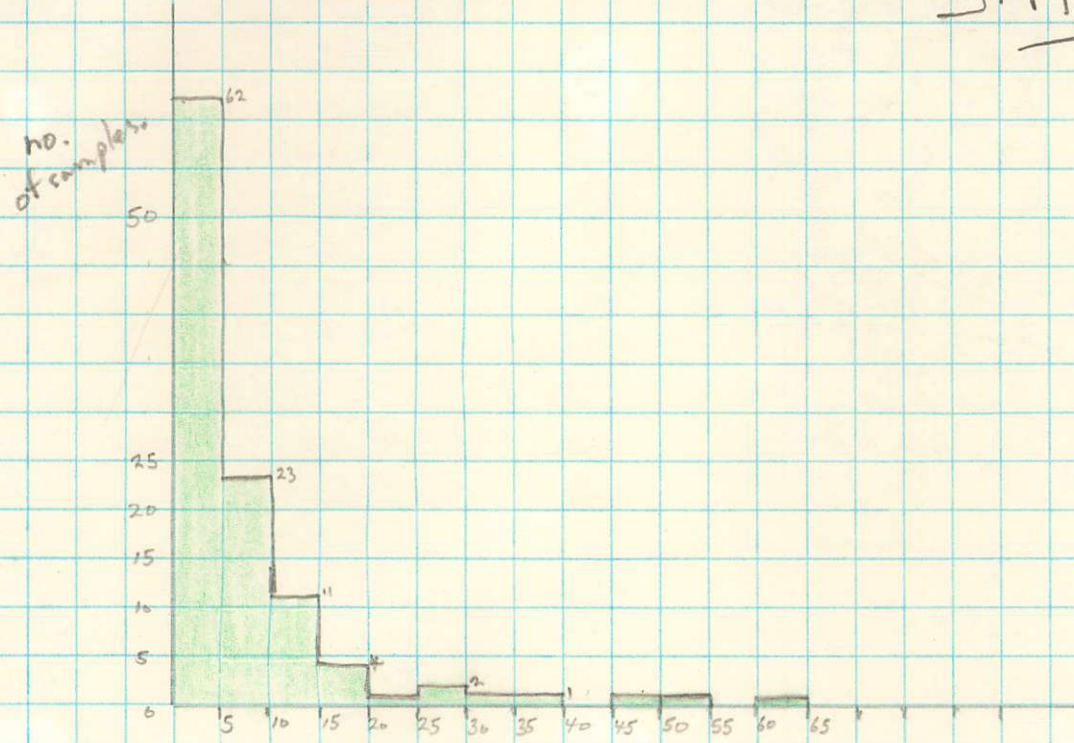


High values - 510, 520, 530, 530, 550, 540, 590, 600, 600, 600, 620, 620, 700, 800, 800, 900,  
 410, 420, 450, -1000, 1000, 1000, 1000

TOTAL OF 109 Samples.

Security, Area, C., Geochemistry,  
Gold Histogram.

SMT Soils



High value of 75  
Total of 109 Samples

P.P. 6.

TOTAL SOILS ~ 538

(TOTAL NON SOILS 234)

	<u>Map.</u>	<u>Thresh.</u> <u>Cher.</u>	<u>JMT</u>
Area A	~ 220	40/130	50
B	~ 190	60	30/200
C	~ 95	50/100/400	50/400

505  
✓

		<u>Cher</u>	<u>JMT</u>	<u>%</u>
A <u>only</u>	70%	14	21	150.
	50%	26	50	193
	30%	40	65	145
	<del>10%</del>	<del>120</del>	<del>200</del>	<del>166</del>
	<del>4%</del>	<del>300</del>	<del>440</del>	<del>147</del>

		<u>Cher</u>	<u>JMT</u>	<u>%</u>
B <u>only</u>	70%	16	21	132
	50	34	50	147
	30	66	110	167
	<del>10%</del>	<del>140</del>	<del>260</del>	<del>186</del>
	<del>4%</del>	<del>220</del>	<del>600</del>	<del>270</del>

13x9	117	50
3x14	42	7
12	12	14
18	18	14
	<u>189</u>	10
		<u>95</u>

		<u>Cher</u>	<u>JMT</u>	<u>%</u>
A <u>overlap.</u>	70%	14	40	285%
	50	26	60	230%
	30	40	101	252%
	10%	120	300	250%

		<u>Cher</u>	<u>JMT</u>	<u>%</u>
Thresh.		40	62	180%
		22	50	220%

35  
26  
25