GEOCHEMICAL REPORT

MS CLAIM GROUP

Watson Lake Mining District
Yukon Territory

Latitude : 62°46' N
Longitude : 130°11' W

N.T.S. 105-J-16

Field work mainly during period:
July 24 to 26 and August 1 to 3, 1973

Report and Interpretation:
November and December 1973

By:

Colin I. Godwin, P.Eng. (B.C.)

DYNASTY EXPLORATIONS LIMITED

December 1973

TABLE OF CONTENTS

LIST OF MAPS AND FIGURES

IN POCKETS BACK OF REPORT

TABLE I

LIST OF CLAIMS

Claim	Claim Number	Grant Number	Recording Date
MS	10-21	Y73710-Y73721	July 25, 1973
MS	30-41	Y73722-Y73733	July 25, 1973
MS	60-73	Y73734-Y73747	July 25, 1973
MS	90-101	Y73748-Y73759	July 25, 1973

TABLE II

PERSONS INVOLVED IN WORK PROGRAM

Colin Godwin	B.Sc. P.Geol.	330-355 Burrard St., Vancouver, B.C.
L. Dellow	Assistant	1620 E. 36th Avenue, Vancouver, B.C.
G. Lishy	Prospector	Atlin, B.C.
R. Morris	Geological Assistant	c/o Tom Stokie, P.O. Box 92, Fernie. B.C.
G. May	Assistant	1379 W. 58th Avenue, Vancouver 14, B.C.
S. Morris	Cook	c/o Tom Stokie, P.O. Box 92, Fernie, B.C.

TELEPHONE 685-4331

DYNASTY EXPLORATIONS LIMITED

330 MARINE BUILDING
355 BURRARD STREET
VANCOUVER 1, B.C.

GEOCHEMICAL REPORT
MS CLAIM GROUP, Y.T.

INTRODUCTION

Location and Access

The 50-claim MS Group is located approximately 92 miles northeast of Ross River (see Figure 1) in Yukon Territory on N.T.S. Sheet 105-J-16, near 62°46'N and 130°11'W (see Figure 2 and Table I). The property, almost entirely below treeline and 50 percent swampy meadow, is at an average elevation of approximately 4,000 feet.

Access to the property in 1973 was by helicopter from Cominco Lake, 12 miles to the southeast, where a base camp was established because this lake could be utilized by float planes. Access would also be convenient from Itsi Lake, a large lake 5 miles to the north. Sheldon Lake is approximately 30 miles east-southeast of the property and has the advantage of being on the North Canol road about 70 miles northeast of Ross River.

General

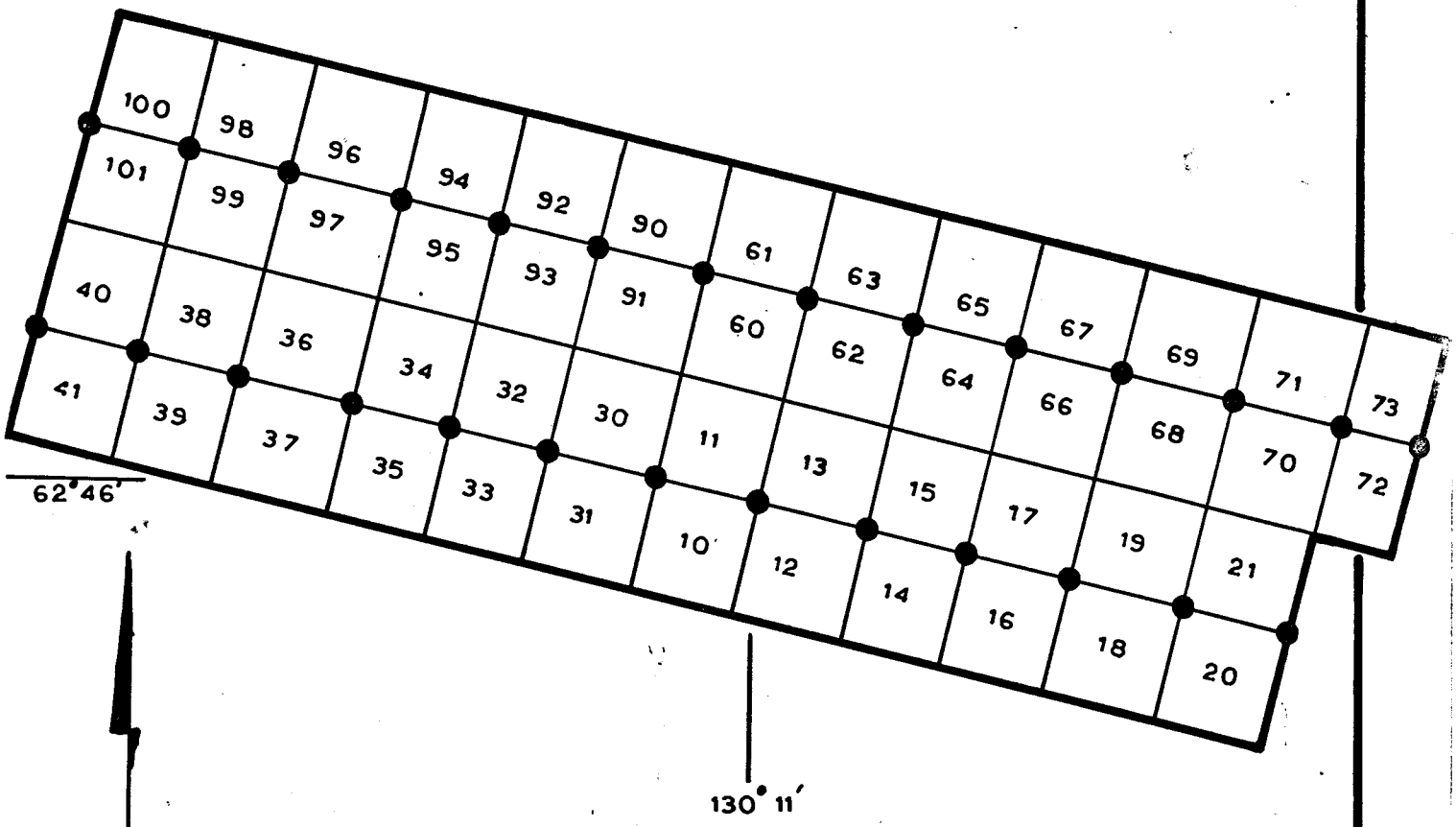
The MS Group was staked by Dynasty Explorations Limited on July 7th, 1973. Staking was in response to the discovery by prospector, G. Lishy, Atlin, B.C., of minor copper showings.

The MS group is tied on to the Fox Group staked January 1973 by Spartan Explorations Ltd. and optioned in March 1973 by Placer Development Ltd. Pyrrhotite, scheelite, chalcopyrite, sphalerite and soil anomalies in zinc and molybdenum have been reported from Fox Group.

DYNASTY EXPLORATIONS LTD.

MS GROUP

105J - 16



LEGEND

claim outline

claim post

1/2 claim line, name

Scale: 1 in. = 1/2 mi.

0 1/2 1mi.

FIGURE: 2

A small granitic stock marked by an aeromagnetic anomaly (Geol. Survey of Canada, Map 4403G) is centred on the MS Group (see Map 1) but the southern edge of the stock occurs on the Fox Group. The stock intrudes shale-chert units. Several gossans occur on the MS Group.

The bulk of the investigation on the MS Group consisted of soil and silt sampling on a reconnaissance grid over the claim group over the 6 days from 24th to 26th July and 1st to 3rd September, 1973.

Table II is a list of persons involved in the work program.

GEOCHEMISTRY

General

Table III classifies the type and number of samples taken on MS Group. The mapping scale for this sampling was 1 inch = 500 ft. All analyses were by Acme Analytical Laboratories Ltd., 6455 Laurel Street, Burnaby 2, B.C. Analysis for copper, lead and zinc was by atomic absorption on perchloric acid digestion of minus 80 mesh samples. Analysis for tungsten is colourimetric of the leach from a fused sample; molybdenum analysis is by atomic absorption of the leach from the fused sample.

TABLE III: Classification of MS Samples

Approximate Area	Geochem: Cu, Pb, Zn, W, Mo, Soil	Silt	Rock
18,750 ft. x 6,000 ft. = 112.5 M. ft.^{2} (50 claims)	323	107	22

Integrated Value

An even number called here the integrated value for copper, lead and zinc is plotted on each sample site with a letter (C for copper, P for lead and Z for zinc) that defines the abundant metal(s) or metal characteristic(s) at the site.

Table IV shows how to calculate an integrated metal value for a site. The purpose of this scheme is to provide a summary map that will ensure that no anomalies from a single or additive geochemical result are lost. Zoning of metals should become apparent from progressions in metal characteristics.

TABLE IV: CALCULATION OF INTEGRATED VALUE AND METAL CHARACTERISTIC

A geochemical interpretation scheme for a total value representing copper + lead + zinc with pH taken into account.

RANGE (PPM) AND COLOUR

Metal	Red (925)	Green (909)	Blue (903)
Copper	$\geq$ 120	90 - 119	70 - 89
Lead	$\geq$ 50	40 - 49	30 - 39
Zinc	$\geq$ 1000	600 - 999	300 - 599
Value	6	4	2

Notes:

(a) Adjustment for pH

if pH $\leq$ 5.0:

Copper, multiply ppm by 2
Lead, do not change
Zinc, multiply ppm by 5

(b) Bonus for High Results

Bonus	Copper	Lead	Zinc
2	240-359	100-149	2000-2999
4	360-479	150-199	3000-3999
6	$\geq$ 480	$\geq$ 200	$\geq$ 4000

(c) Colour code for total value: Copper + Lead + Zinc

Value	Colour		Interpretation
$\geq$ 18	Red	(925)	High anomaly
12 to 16	Orange	(918)	Intermediate anomaly
8 & 10	Green	(909)	Low anomaly
6	Blue	(903)	High threshold
4	Purple	(931)	Low threshold
2 & 0	Blank		Background

(d) Metal character noted for copper, lead and zinc by: C, P, Z, respectively, only if value for each metal is $\geq$ 6.

Geochemical Interpretation

Tabulation of geochemical data from the MS Group is shown in Tables V to XI. Lognormal probability plots based on these tables are shown in Figures 3 to 7. From the lognormal probability plots interpretations based on population distributions is possible; resulting conclusions are summarized in Table XII.

Map 1 is the interpretation of data based on the "value" system. Contours and worm intervals in Maps 2 to 6 are based on Table XII.

Table XII summarizes the claims involved in anomalous areas outlined on Maps 1 to 6. The density of sampling is not sufficient to properly define anomalous zones. Two general areas that merit follow-up are apparent:

1. Area 1: MS Claims 30, 31, 32, 33, 10 and 11.
2. Area 2: MS Claims 36, 37, 38, 39 and eastern halfs of 40 and 41.

The swamp area is not evaluated by the geochemical sampling to date. Anomalous sites flanking the swamp may reflect organic or manganese metal collection in these samples. On Map 2 an alignment of high copper geochemistry over claims MS 98 and MS 97 coincides with a gossanous area near the main creek. These features may represent a fault.

TABLE V: MS Group Data: Copper Geochem (see Figure 3)

SOILS					SILTS				
Int. Ctre.	Interval	No.	%	Cum.%	Int. Ctre.	Interval	No.	%	Cum.%
	190	1	.5	100.0					
185	180-189	3	1.0	99.5					
175	170-179	0	-	-					
165	160-169	1	.5	98.5					
155	150-159	1	.5	98.0					
145	140-149	6	2.0	97.5					
135	130-139	4	1.0	95.5					
125	120-129	5	1.5	94.5					
115	110-119	4	1.0	93.0		220	0		
105	100-109	2	1.0	92.0	210	200-219	3	3	100
95	90-99	10	3.0	91.0	190	180-199	2	2	97
85	80-89	7	2.0	88.0	170	160-179	2	2	95
75	70-79	18	6.0	86.0	150	140-159	12	11	93
65	60-69	21	6.5	80.0	130	120-139	11	10	82
55	50-59	19	6.0	73.5	110	100-119	15	14	72
45	40-49	21	6.5	67.5	90	80-99	20	19	58
35	30-39	38	12.0	61.0	70	60-79	25	23	39
25	20-29	73	22.0	49.0	50	40-59	11	10	16
15	10-19	73	22.0	27.0	30	20-39	4	4	6
5	0-9	16	5.0	5.0	10	0-19	2	2	2
TOTALS		323	100.0	-	TOTALS		107	100	-

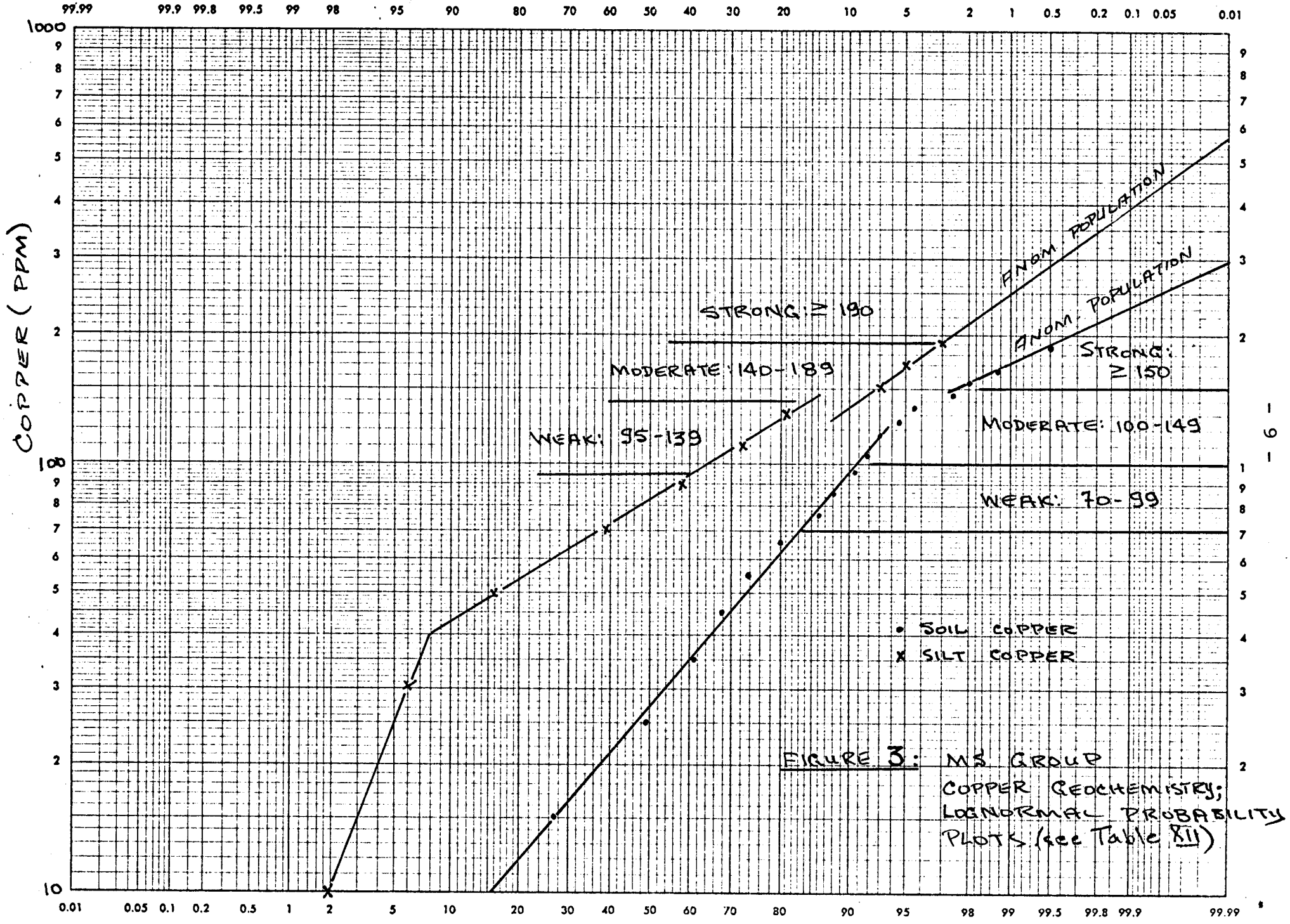


FIGURE 3: MS GROUP COPPER GEOCHEMISTRY; LOGNORMAL PROBABILITY PLOTS (see Table XII)

TABLE VI: MS Group Data; Lead Geochem (see Figure 4)

	Soils				Silts		
Centre of Int.	Interval	No.	%	Cum.%	No.	%	Cum.%
	65	0	-	-	0	-	-
62	60-64	0	-	-	3	3.0	100.0
57	55-59	0	-	-	0	-	-
52	50-54	4	1.0	100.0	2	2.0	97.0
47	45-49	2	.5	99.0	0	-	-
42	40-44	2	.5	98.5	1	1.0	95.0
37	35-39	5	1.5	98.0	1	1.0	94.0
32	30-34	9	3.0	96.5	12	11.0	93.0
27	25-29	12	3.5	93.5	23	22.0	82.0
22	20-24	69	21.0	90.0	48	45.0	60.0
17	15-19	41	13.0	69.0	9	8.5	15.0
12	10-14	90	28.0	56.0	6	5.5	6.5
7	5-9	67	21.0	28.0	0	-	-
2	0-4	22	7.0	7.0	1	1.0	1.0
TOTALS		323	100.0	-	106	100.0	-

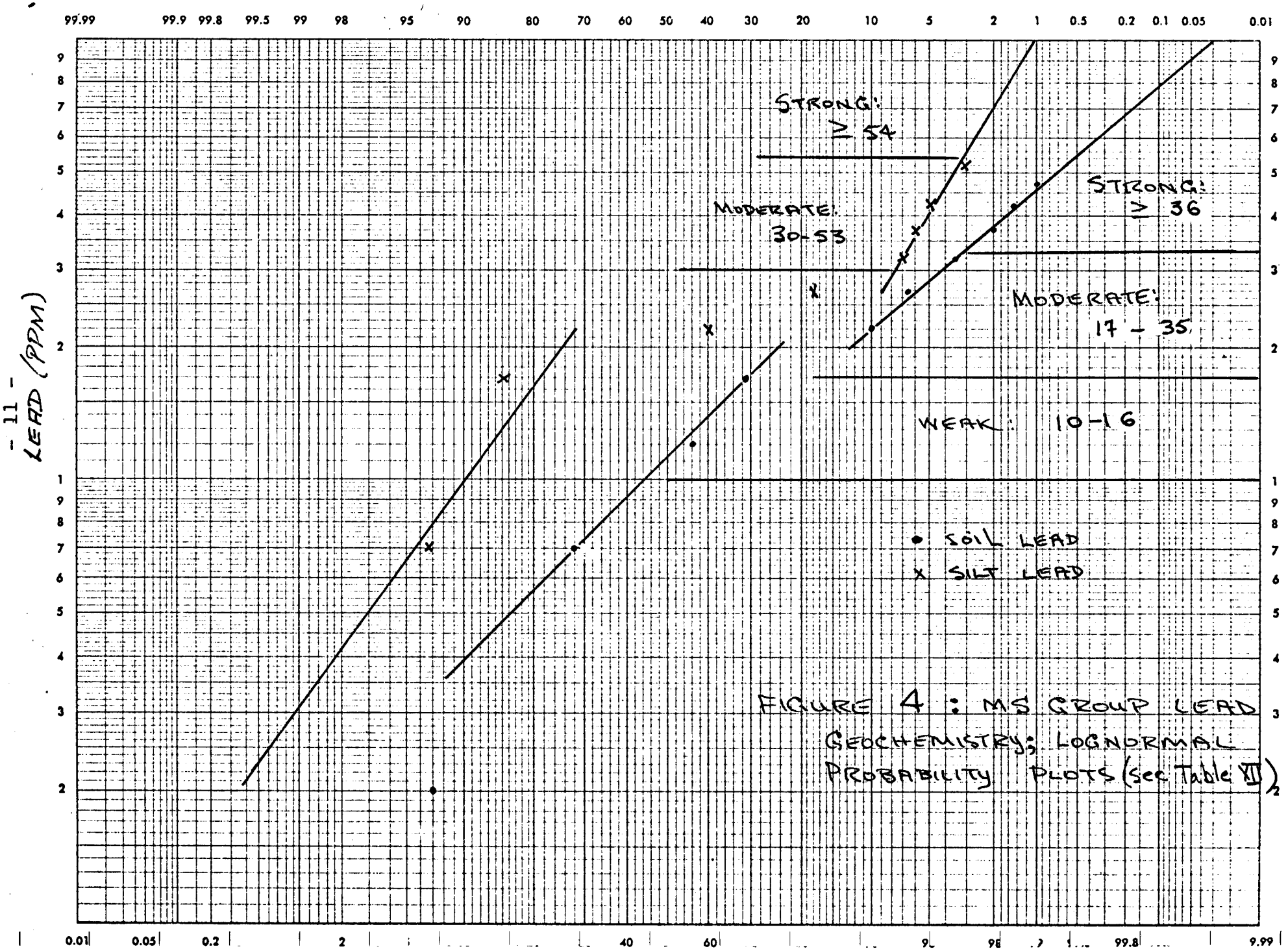


FIGURE 4 : MS GROUP LEAD GEOCHEMISTRY; LOGNORMAL PROBABILITY PLOTS (see Table XI)

TABLE VII: MS Group Data: Zinc Geochem (see Figure 5)

		Soils			Silts		
Centre of Int.	Interval	No.	%	Cum.%	No.	%	Cum.%
	1500	0	-	-	5	4.5	100.0
1475	1450-1455	0	-	-	1	1.0	95.0
1425	1400-1449	0	-	-	0	-	-
1375	1350-1399	0	-	-	0	-	-
1325	1300-1349	0	-	-	0	-	-
1275	1250-1299	0	-	-	1	1.0	94.0
1225	1200-1249	0	-	-	1	1.0	93.0
1175	1150-1199	0	-	-	0	-	-
1125	1100-1149	0	-	-	0	-	-
1075	1050-1099	0	-	-	2	2.0	92.0
1025	1000-1049	0	-	-	0	-	-
975	950-999	1	.5	100.0	2	2.0	90.0
925	900-949	0	-	-	3	3.0	88.0
875	850-899	0	-	-	2	2.0	85.0
825	800-849	1	.5	99.5	4	3.5	83.0
775	750-799	0	-	-	6	5.5	79.5
725	700-749	0	-	-	2	2.0	74.0
675	650-699	0	-	-	6	5.5	72.5
625	600-649	3	1.0	99.0	4	3.5	67.0
575	550-599	3	1.0	98.0	4	4.0	63.5
525	500-549	3	1.0	97.0	9	8.0	59.5
475	450-499	1	.5	96.0	5	4.5	51.5
425	400-449	7	2.0	95.5	11	10.0	47.0
375	350-399	7	2.0	93.5	8	7.5	37.0
325	300-349	8	2.5	91.5	8	7.5	29.5
275	250-299	14	4.0	89.0	4	4.0	22.0
225	200-249	19	6.0	85.0	4	4.0	18.0
175	150-199	33	10.0	79.0	7	6.5	14.0
125	100-149	44	13.0	69.0	5	4.5	7.5
75	50-99	77	24.0	56.0	1	1.0	3.0
25	0-49	101	32.0	32.0	2	2.0	2.0
	TOTALS	322	100.0	-	107	100.0	-

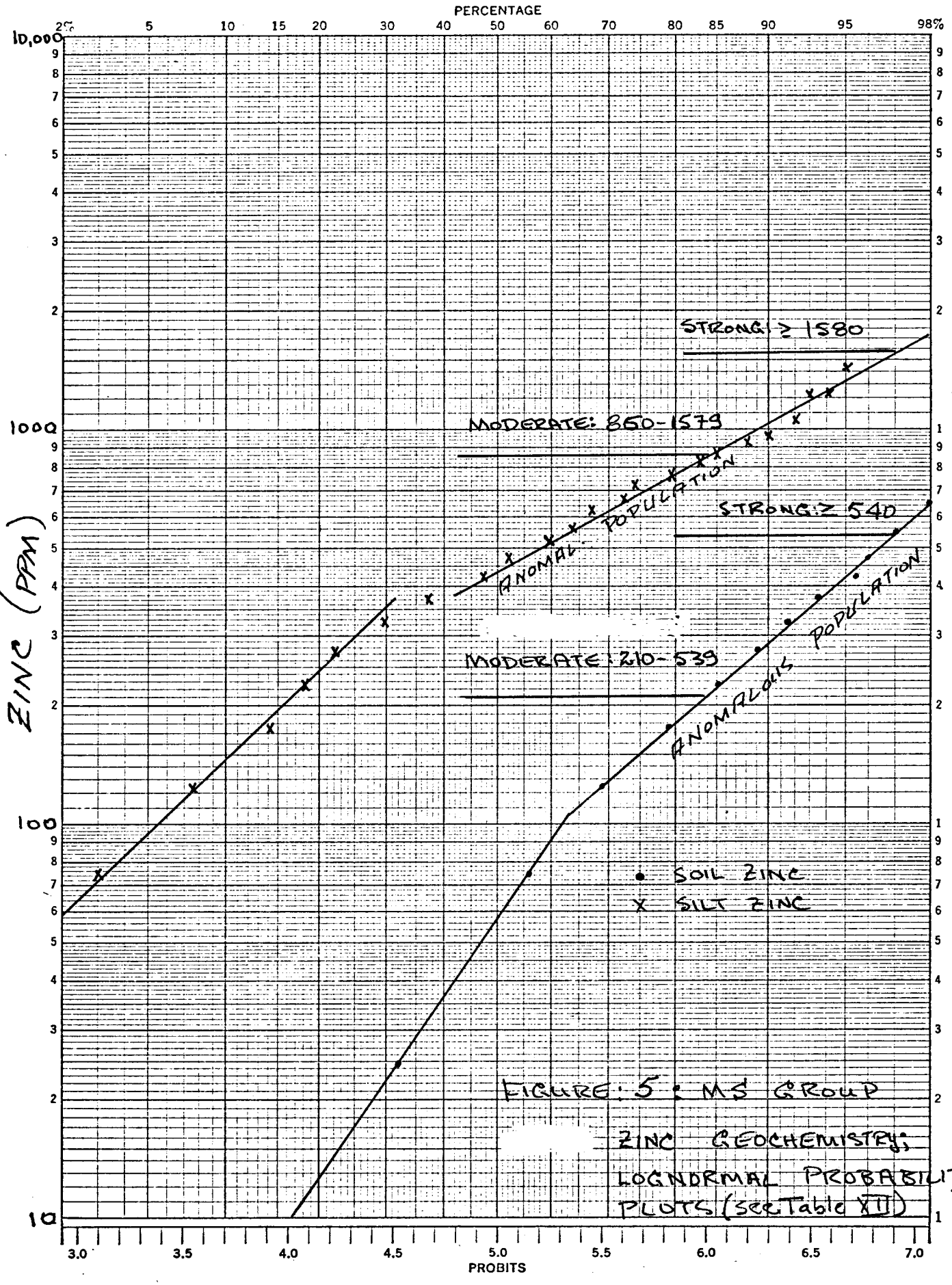


FIGURE: 5 : MS GROUP ZINC GEOCHEMISTRY; LOGNORMAL PROBABILITY PLOTS (SEE Table XII)

TABLE VIII: Frequency and cumulative frequency data for TUNGSTEN SOILS - M$ GROUP (see Fig. 6)

Arithmetic Interval	Logarithmic Interval	Tally - Histogram	Frequency	Percent	Accumulative Percent
1,000	3.0				
794	2.9				
631	2.8				
501	2.7				
398	2.6				
316	2.5				
251	2.4				
200	2.3				
158	2.2				
126	2.1				
100	2.0				
79	1.9				
63	1.8				
50	1.7				
40	1.6				
32	1.5				
25	1.4				
20	1.3	|	1	0.4	100.0
16	1.2				
13	1.1				
10	1.0	|	1	0.4	99.6
8	0.9				
6	0.8				
5	0.7	卌 |||	8	2.8	99.2
4	0.6				
3	0.5				
~~2.5~~	~~0.4~~				
2	0.3	卌 卌 卌 卌 卌 卌 卌 ||	37	12.5	96.4
~~1.6~~	~~0.2~~				
~~1.3~~ 1.0	~~0.1~~ 0.0	|||	3	1.0	83.9
< 1.0	< 0.0	[tally marks] + 31	246	82.9	82.9
TOTALS			299	100.0	

TABLE IX : Frequency and cumulative frequency data for TUNGSTEN SILTS - MS GROUP (see Fig. 6)

Arithmetic Interval	Logarithmic Interval	Tally - Histogram	Frequency	Percent	Accumulative Percent
1,000	3.0				
794	2.9				
631	2.8				
501	2.7				
398	2.6				
316	2.5				
251	2.4				
200	2.3				
158	2.2				
126	2.1				
100	2.0				
79	1.9				
63	1.8				
50	1.7				
40	1.6				
32	1.5				
25	1.4				
20	1.3				
16	1.2				
13	1.1	(Rock)			
10	1.0	1	0 (1)		
8	0.9		0		
6	0.8	1	1	1	99
5	0.7	1 1	1 (1)	1	97
4	0.6	III	3	3	93
3	0.5	II	2	2	95
~~2.5~~	~~0.4~~				
2	0.3	IIII IIII II	9 (2)	9	93
~~1.6~~ 1.0	~~0.200~~	IIII 1	4 (1)	4	84
~~1.3~~ 0.	~~0.1~~				
~~1.0~~ 0	0.0	IIII IIII IIII IIII IIII IIII IIII IIII IIII IIII IIII II IIII	82 (19)	80	80
TOTALS			102		

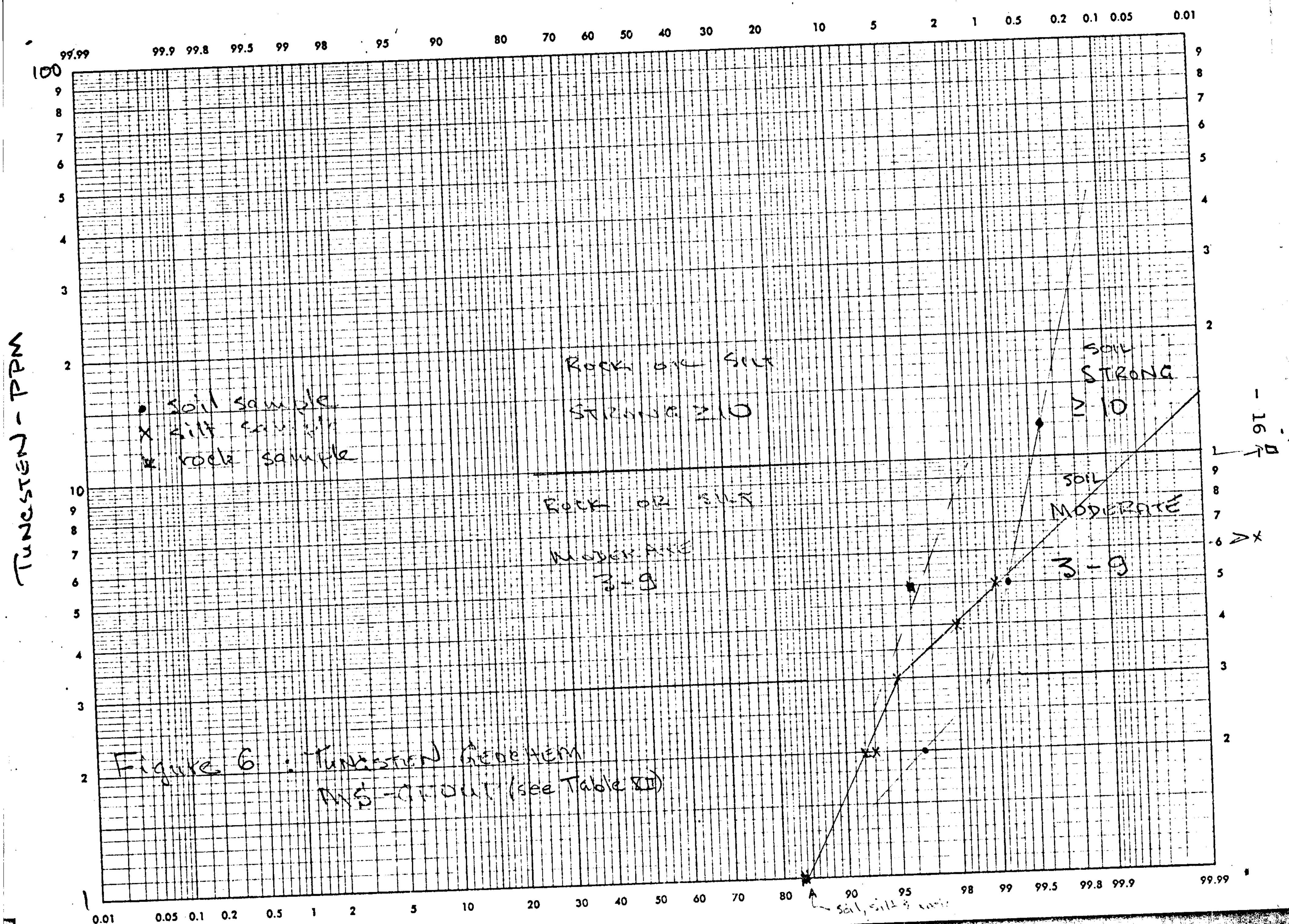


Figure 6 : Tungsten Geochem (see Table XII)

TABLE X.: Frequency and cumulative frequency data for MS. SOILS: Mo (adjusted to acid digestion). (see Fig. 7)

Arithmetic Interval	Logarithmic Interval	Tally - Histogram	Frequency	Percent	Accumulative Percent
1,000	3.0				
794	2.9				
631	2.8				
501	2.7				
398	2.6				
316	2.5				
251	2.4				
200	2.3				
158	2.2				
126	2.1				
100	2.0				
79	1.9				
63	1.8				
50	1.7				
40	1.6				
32	1.5	|	1	.3	99.9
25	1.4	|	1	.3	99.6
20	1.3	|	1	.4	99.3
16	1.2	|||	3	.9	98.9
13	1.1	||| H	3	.9	98.0
10	1.0	卌 卌 |	11	3.4	97.1
8	0.9	卌 卌 卌 卌 卌 | |	27	8.1	93.7
6	0.8	卌 卌 卌 卌 |	21	6.5	85.6
5	0.7	卌 卌 卌 卌 卌 卌 卌 | |||	39	12.0	79.1
4	0.6		0	—	—
3	0.5	卌 卌 卌 卌 卌 卌 卌 卌 卌 卌 卌 卌 卌 卌	70	21.6	67.1
~~2.5~~	~~0.4~~	卌 卌 卌 卌 卌 卌 卌 |			
2	0.3	卌 || H	147	45.5	45.5
1.6	0.2				
1.3	0.1				
1.0	0.0				
TOTALS			324	99.9	

TABLE XI : Frequency and cumulative frequency data for MS - SILTS · Mϕ (adjusted to acid digestion) (see Fig.7)

Arithmetic Interval	Logarithmic Interval	Tally - Histogram	Frequency	Percent	Accumulative Percent
1,000	3.0				
794	2.9				
631	2.8				
501	2.7				
398	2.6				
316	2.5				
251	2.4				
200	2.3	R R			
158	2.2				
126	2.1	100 11 1			
100	2.0				
79	1.9	1 96 4 1	1	1	100
63	1.8				
50	1.7				
40	1.6				
32	1.5				
25	1.4	1	1	1	99
20	1.3	97 4 1			
16	1.2	II	2	2	98
13	1.1	II	2	2	96
10	1.0	IIII IIII	13	13	94
8	0.9	IIII IIII IIII 55 10 11	18	17	81
6	0.8	IIII IIII IIII 39 4 1	18	17	64
5	0.7	IIII IIII IIII II 30 4 1	22	21	47
4	0.6				
3	0.5	IIII IIII II 20 10 11	17	16	26
~~2.5~~	~~0.4~~				
2	0.3	IIII 60 60 IIII IIII	10	10	10
1.6	0.2	R			
1.3	0.1				
1.0	0.0	22			
TOTALS			104	100	

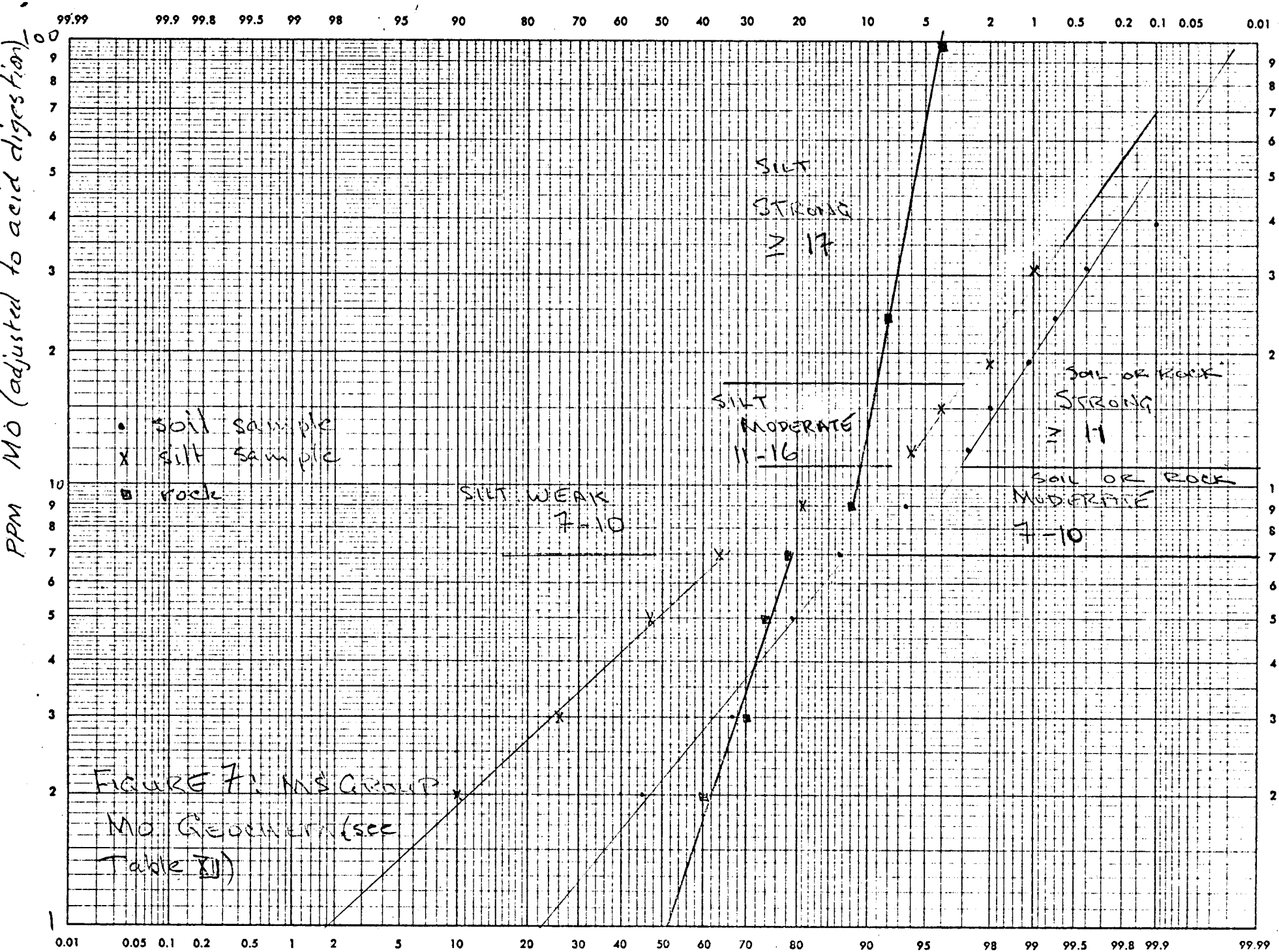


FIGURE 7: MNS GROUP Mo GEOCHEMISTRY (see Table XII)

TABLE XII: MS Group, Anomaly Interpretation

	Strong	% of Dist.	Moderate	% of Dist.	Weak	% of Dist.	Reference
COPPER (PPM)							
Soils	150	3%	100-149	6%	70-99	6%	Table V and Figure 3
Silts	190	3%	140-189	13%	95-139	27%	
LEAD (PPM)							
Soils	36	3%	17-35	13%	10-16	38%	Table VI and Figure 4
Silts	54	3%	30-53	5%	-	-	
ZINC (PPM)							
Soils	540	3%	210-539	13%	-	-	Table VII and Figure 5
Silts	1580	3%	860-1579	13%	-	-	
TUNGSTEN (PPM)							
Soils	10	.5%	3-9	1%	-	-	Tables IX and X, and Figure 6
Silts	10	.05% (1.5%)	3-9	5% (6%)			
MOLYBDENUM (PPM)							
Soils (Rock)	11	3% (11%)	7-10	10% (10%)	-	-	Tables XI and XII, and Figure 7
Silts							

TABLE XIII Main Anomalous Areas on MS Group

Anomaly	MS Claims	Reference	Remarks
"Value" I	Junction 30,31,32,33	Map 1	1400 ft. long
"Value" II	Junction 10,11,30,31	Map 1	900 ft. long
"Value" III	S.W. corner 10	Map 1	Open
Copper I	38,39,37	Map 2	1400 ft. long
Copper II	Junction 30,31,32,33	Map 2	1400 ft. long
Copper III	Southern part 30	Map 2	Poorly defined
Lead I	Junction 34,35	Map 3	Weak
Lead II	Junction 32,33,31	Map 3	Weak
Lead III	Junction 39,37	Map 3	Weak
Zinc I	Junction 40,41,38, 39,37	Map 4	Weak
Zinc II	Mainly 30, Partly 32, 31	Map 4	Weak
Tungsten I	Mainly 10,31	Map 5	Weak
Molybdenum I	Mainly 30,31,10 11	Map 6	Strongest in rock analyses
Molybdenum II	Mainly 34,37,36	Map 6	Poorly defined
Molybdenum III	Mainly east half 40, 41	Map 6	Weak
Molybdenum IV	Mainly 99	Map 6	Weak

SUMMARY AND RECOMMENDATIONS

Two general areas that merit follow-up have been defined by soil and silt geochemistry. A continuing program should include:

1. Establishment of a grid over the two follow-up areas. Lines should be two hundred feet apart parallel to the claim line; samples should be at 100 ft. stations along these lines.

2. Detailed magnetometer survey of the grid (1 above).

3. Mapping of geology within grid area.

4. Reconnaissance magnetometer and geology over the claim area with coverage similar to that of Maps 1 to 6.

Respectfully submitted,

Colin P. Godwin, P.Eng. (B.C.)

December, 1973

SUMMARY OF COSTS
MS CLAIM GROUP
(to Dec. 31, 1973)

	Reference	Wages	Expenses	Total
Staking	"B"			
Geology	"C"	2,398.55	-	
Geochem	"D"	179.74	1,595.32	
Camp	"E"	72.26	361.77	
Transportation				
- Miscellaneous	"F"		130.92	
- Rotary Wing	"F"		1,603.97	
- Fixed Wing	"F"		73.40	
		$2,650.55	$3,765.38	$6,415.93
District Expense	"H"			$ 461.92
				$6,877.85
Administration 10%				$ 687.79
TOTAL				$7,565.64

Note: Invoices for amounts over $200.00 are included. Invoices for lesser amounts provided upon request.

TELEPHONE 685-4331

DYNASTY EXPLORATIONS LIMITED

330 MARINE BUILDING
355 BURRARD STREET
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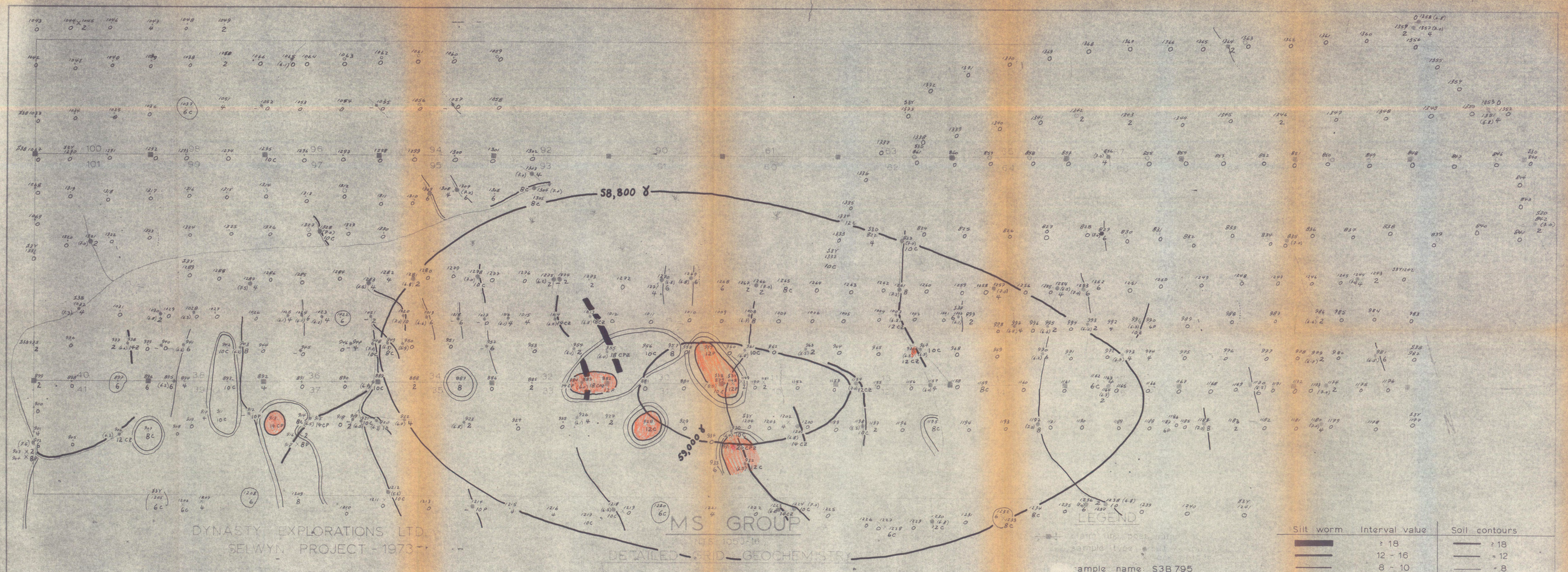
AFFIDAVIT SUPPORTING SUMMARY OF COSTS

I, COLIN I. GODWIN, Geologist, Dynasty Explorations Limited, of Vancouver, British Columbia, do hereby state that, to the best of knowledge and belief, the statement of costs presented in this report (Geochemical Report Sand and Gun Claim Groups) is both correct and true.

Colin I. Godwin

Date

Notary Public in and for the
Province of British Columbia.


58,800 γ
53,000 γ
DYNASTY EXPLORATIONS LTD.
SELWYN PROJECT - 1973
MS GROUP
DETAILED GRID GEOCHEMISTRY
VALUE
Scale 1 inch = 800 feet
LEGEND
Silt worm
Interval value
≥ 18
12 - 16
8 - 10
6
Soil contours
≥ 18
12
8
6
sample name: S3B 795
pH: (6.5)
integrated value: 12
metal characteristic:
C=Cu ; P=Pb ; Z=Zn
γ gamma values from aeromagnetic map:
Geol. Surv. Can.: map 4403G
VALUE
MAP 1


DYNASTY EXPLORATIONS LTD
SELWYN PROJECT - 1973
MS GROUP
NTS 105J-16
DETAILED GRID GEOCHEMISTRY
Cu
Scale 1 inch = 500 feet
LEGEND
claim line, post, name
sample type • silt ○ soil
x rock ◇ other
analysis in ppm : 109 , 45 , 674
Cu , Pb , Zn
Silt worms Interval ppm Cu
≥ 190
140 - 189
95 - 139
Soil contours
≥ 150 ppm
= 100
= 70
N.
Cu
MAP: 2