SPEED LETTER®

6000 0086 (0760)

FILL IN NAME AND ADDRESS HERE
FOR RETURN IN WINDOW ENVELOPE

FROM R. L. Redmond TO W. L. Wilson

SUBJECT Geochemical samples of intrusive rocks--Copper Hill Area

FOLD

MESSAGE DATE August 15, 1966 19

Bob: The attached map and geochemical sheet show the results of geochemical samples 2-1-66-1, which is from granitic rocks ingruding the Luning limestone in the southern part of the Copper Hill Area, as shown on the attached map at scale 1" = 1000'.

RECOMMENDATIONS: The other granitic outcrops in this area should be sampled in line with our program to map the distribution of base metals and minor elements in the intrusive rocks.

FOLD

SIGNED WLW.

DATE 19

WLW

OCCIDENTAL AGRICULTURAL CHEMICALS CORPORATION

RESEARCH & DEVELOPMENT DIVISION

ANALYTICAL DEPARTMENT

DATE 1-6-66 PROJECT 1006 REQUESTED BY R.L. Redmond

Parts Per Million

RESEARCH NUMBER	ANALYTICAL NUMBER	TYPE OF MATERIAL	Cu	EST.	Pb	EST.	ZN	EST.	Mo	EST.	Ag.	EST.		EST.
B-6-SE	15198		99.0		12.5		19.6		3.4		0.1			
B-8-SE	15199		24.9		17.0		16.8		3.4		0.2			
B-12-SE	15200		39.0		17.7		20.1		6.0		0.2			
B-10-SE	15201		24.3		13.3		15.2		3.4		0.2			
B-14-SE	15202		26.5		12.4		17.6		4.6		0.1			
B-16-SE	15203		71.9		27.8		18.8		4.2		0.2			
1155EN 2-15-E	15204		24.6		23.7		20.1		3.6		0.2			
2-1-66-1	15205		37.4		26.4		36.8		8.2		0.2			
12-20-65-2	15206		20.3		12.5		21.6		4.6		0.1			
13-15-66-1	15207		1,761	0.12%	349.4		377.0		11.8		0.6			

STRICTLY COMPANY CONFIDENTIAL

APPROVED BY 1/11/66 CBM

Mine
Prospects
Prospects
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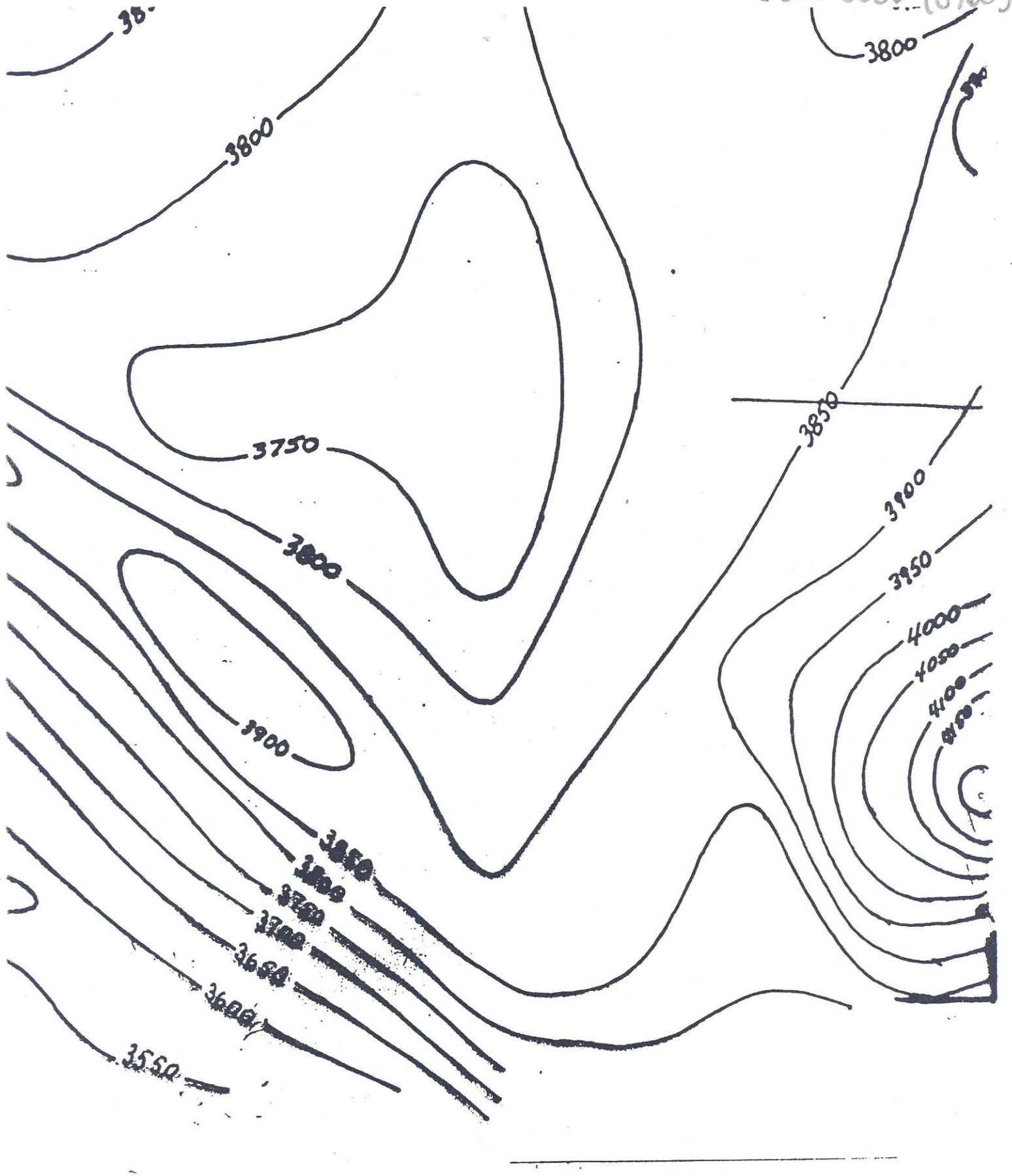
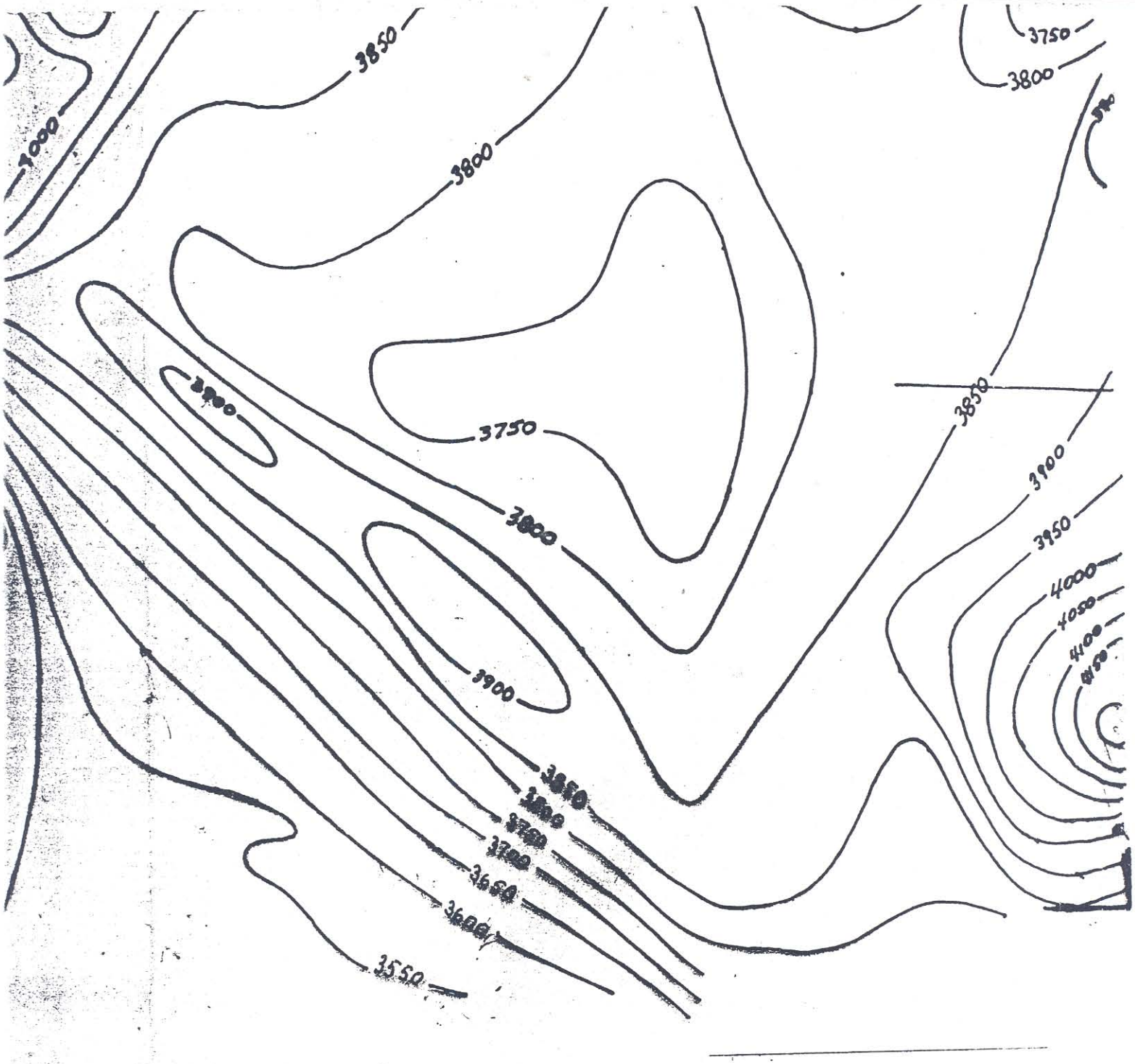


SHEET WR-SE



SHEET WR-SE

30'00"

27'30

6000 0086 (0760)

6000 0086 (0760)

Geochem

November 16, 1981

Recommendations for Copper Hill

1. Run soil samples previously taken on lines 1W and 12W for cold copper and heavy metals.

2. Sample and analyze for cold copper and heavy metals the following additional samples on 50' centers:

A. Line 4E from 600S to 600 N
Line 2E from 550 N to 800 N
Line 2E from 550 S to 700 S
Line 0 from 550 N to 900 N
Line 0 from 550 S to 700 S
Line 2W from 700 N to 1200 N
Line 2W from 550 S to 750 S
Line 4W from 700 N to 1200 N
Line 4W from 550 S to 750 S
Line 6W from ;700N to 1200 N
Line 6W from 550 S to 750 S
Line 8W from 700 N to 1200 N
Line 8W from 550 S to 750 S
Line 10 W from 900 N to 1200 N
Line 10 W from 0 to 750 S
Line 12 W from 900 N to 1200 N
Line 12 W from 0 to 750 S
Line 14 W from 750 S to 1200 N
Line 16 W from 750 S to 1200 N

B. Set up a grid pattern using the Section line as a base line in the area of disseminated copper mineralization near the Delta 1, 2 and 3 drill holes on 100' x 50' centers. Take samples across all of the mineralized intrusive and carry the lines either off the intrusive to other rock types or to unmineralized intrusive.

C. Run ground magnetics on the lines set up in B above.

3. Additional stream sediment samples should be taken in the Bottle Canyon area and the pattern should be extended near the higher values found in the earlier stream sediment sampling.

4. IP recon lines should be run, located as determined after the completion of geologic mapping now in progress.

Wm. L. Wilson

COPPER HILL – COLD COPPER (PPM)

IN SOIL SAMPLES

1" = 200'

* DENOTES SAMPLE LOCALITY

	12W	10W	8W	6W	4W	2W	0	2E	4E
8+70									
	>40	>40							
8+00									
			>40	>40	11	>40			
7+30			>40	>40	>40	>40			
			>40	>40	>40	>40			
			>40	>40	>40	>40			
			>40	>40	>40	>40			
			>40	>40	15	5	3	3	2.5
6+60			>40	>40	10	4	2	2	2.5
			7.5	6	4	8	4	5	3.5
			>40	5	7.5	3	5	7.5	
			>40	7.5	3	>40	7.5	>40	
5+90			10	>40	>40	>40	6	7.5	
			>40	2	>40	>40	5	5	
			3	>40	8	6	4	2.5	
			3	>40	4	>40	4	3	
0			4	4	4	30	4	2.5	
			7.5	4	2	4	5	4	
			4	3	3	2	3	6	
			>40	3	?	7.5	4	3	
2.5			3	1	?	3	2.5	0.5	
			2	0.5	4	2	2	6	
			2	1	3	2	2	3	
			3	0.5	0.5	2	2	6	
4S			4	0.5	0.5	2	2	4	
			3	1	3	3	1	0.5	
			4	2	2.5	2.5	2	5	

COPPER HILL-HEAVY METALS (PPM)
IN SOIL SAMPLES
1" = 200'

X DENOTES SAMPLE LOCALITY

30	26	18	27	13	250	39	10			
37	26	12	12	200	48	20	12			
23	8	12	12	50	37	12	0			
10	3	16	20	18	20	2	0	0	0	0
10	6	8	27	60	27	2	0	0	2	0
8	4	18	2	2	2	2	0	0	2	0
6	4	0	2	2	6	0	0	0	2	2
8	4	0	16	2	2	0	4	0	2	2
4	4	8	24	0	6	27	18	10	6	16
4	4	8	20	18	16	250	16	2	2	8
8	4	0	10	23	43	27	2	2	4	6
4	12	16	47	6	27	6	6	2	27	0
0	6	16	8	6	12	10	50	0	23	0
4	12	6	10	8	4	10	0	0	0	0
16	2	0	0	2	2	0	0	0	0	4
2	2	0	0	0	0	2	0	0	0	4
6	2	0	16	0	6	4	0	0	0	0
0	0	0	0	0	2	0	0	0	0	0
0	2	0	4	0	2	0	0	0	1	2
0	0	0	0	0	2	0	0	0	1	0
0	2	0	0	0	0	0	0	0	0	4
0	2	0	0	0	0	2	0	0	0	2
2	0	0	0	0	0	2	1	0	0	0
0	2	0	0	0	0	2	1	0	0	0

SKYLINE LABS, INC.
SPECIALISTS IN GEOCHEMICAL EXPLORATION
12090 WEST 50TH PLACE • WHEAT RIDGE, COLORADO 80033 • TEL.: (303) 424-7718

REPORT OF ANALYSIS

Job No. M-1124
August 24, 1971

Idaho Mining Corporation
P. O. Box 2183
Grand Junction, Colorado 81501

Analysis of 104 Soil and 15 Rock chip samples

Item	Sample No.	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
1.	D-201	<.2	90	30	55	16
2.	202	<.2	195	10	60	24
3.	203	<.2	220	10	65	35
4.	204	.4	600	50	95	16
5.	205	<.2	105	60	130	6
6.	206	<.2	95	30	90	6
7.	207	<.2	20	10	55	4
8.	208	<.2	75	20	65	8
9.	209	<.2	85	20	130	8
10.	210	<.2	60	10	70	8
11.	211	<.2	90	50	130	8
12.	212	<.2	240	55	190	12
13.	213	<.2	850	15	95	160
14.	214	<.2	280	15	75	20
15.	215	<.2	80	5	30	45
16.	216	<.2	60	15	45	8
17.	217	<.2	95	10	40	6
18.	218	<.2	50	10	45	2
19.	219	<.2	300	10	25	4
20.	220	<.2	125	10	70	4
21.	221	<.2	20	10	30	2
22.	222	<.2	105	15	55	6
23.	223	<.2	60	10	25	2
24.	224	<.2	150	10	55	35
25.	225	<.2	105	10	50	16
26.	226	<.2	70	15	60	16
27.	227	<.2	170	15	60	16
28.	228	<.2	145	20	50	2
29.	229	<.2	55	20	65	2
30.	D-230	<.2	55	15	40	2

Item	Sample No.	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
31.	D-231	<.2	60	5	30	2
32.	232	<.2	65	10	40	2
33.	233	<.2	80	10	35	2
34.	234	<.2	65	15	60	2
35.	235	<.2	40	5	50	2
36.	236	<.2	90	10	65	2
37.	237	I	50	10	50	I
38.	238	<.2	50	15	120	2
39.	239	<.2	65	10	50	4
40.	240	<.2	70	15	60	4
41.	241	<.2	120	15	65	16
42.	242	<.2	60	10	70	12
43.	243	<.2	75	10	50	8
44.	244	<.2	85	15	70	8
45.	245	<.2	35	15	70	4
46.	246	<.2	15	5	25	4
47.	247	<.2	110	15	60	16
48.	248	<.2	310	10	60	30
49.	249	<.2	130	10	55	20
50.	250	<.2	145	15	80	24
51.	251	<.2	295	40	80	24
52.	252	<.2	50	20	70	2
53.	253	<.2	45	10	65	2
54.	254	<.2	60	10	55	2
55.	255	<.2	50	15	60	2
56.	256	<.2	55	5	65	2
57.	257	<.2	55	10	40	2
58.	258	<.2	55	10	50	2
59.	259	<.2	35	10	35	2
60.	260	<.2	45	10	60	2
61.	261	<.2	95	15	90	4
62.	262	<.2	115	15	110	2
63.	263	<.2	55	10	55	2
64.	264	<.2	55	5	50	2
65.	D-265	<.2	180	10	70	12

I=Insufficient sample for analysis

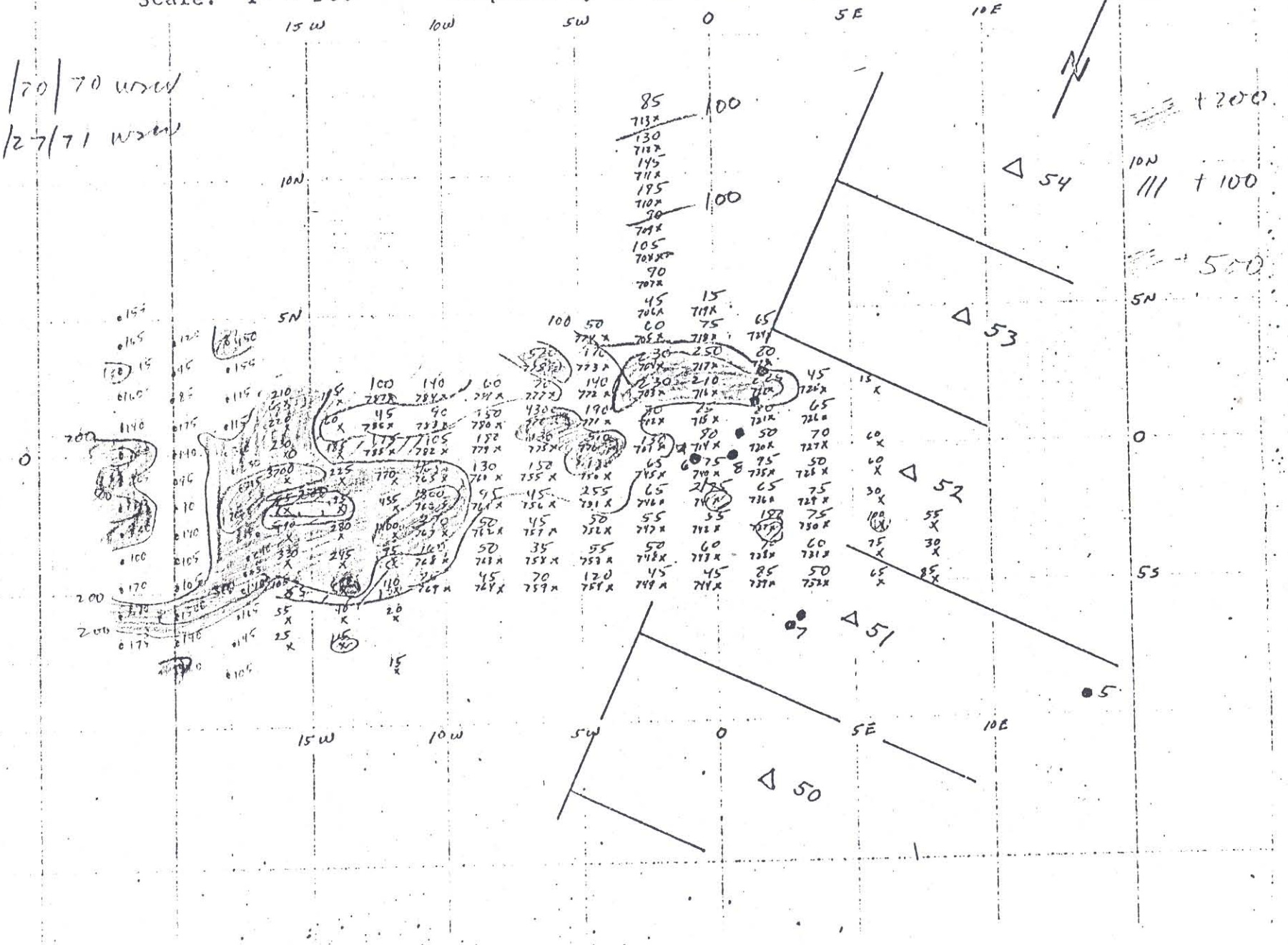
Item	Sample No.	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
66.	D-266	<.2	150	15	65	6
67.	267	<.2	55	10	70	12
68.	268	<.2	30	15	50	2
69.	269	<.2	25	10	45	2
70.	270	<.2	240	15	85	16
71.	271	<.2	270	20	105	12
72.	272	<.2	80	20	75	8
73.	273	<.2	280	15	65	6
74.	274	<.2	75	10	80	4
75.	275	<.2	160	15	115	2
76.	276	<.2	70	10	75	2
77.	277	<.2	60	5	55	2
78.	278	<.2	55	10	80	2
79.	279	<.2	155	10	100	2
80.	280	<.2	550	10	700	4
81.	281	<.2	105	20	130	2
82.	282	<.2	70	10	65	2
83.	283	<.2	80	10	65	2
84.	284	<.2	150	10	65	2
85.	285	<.2	155	15	125	4
86.	286	<.2	65	10	75	2
87.	287	<.2	100	5	80	4
88.	288	<.2	85	5	50	4
89.	289	<.2	200	10	70	12
90.	290	<.2	20	10	50	2
91.	291	<.2	10	5	55	2
92.	292	<.2	75	10	85	12
93.	293	<.2	125	15	70	16
94.	294	<.2	175	15	90	4
95.	295	<.2	60	10	65	2
96.	296	<.2	45	10	65	2
97.	297	<.2	75	10	40	2
98.	298	<.2	45	5	65	2
99.	299	<.2	85	5	65	2
100.	D-300	<.2	125	5	240	2

Item	Sample No.	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
101.	D-301	<.2	110	5	180	2
102.	302	<.2	90	20	60	12
103.	303	<.2	115	20	95	12
104.	304	<.2	15	5	85	4
105.	306R	3.2	235	8,000	1,900	2
106.	307R	<.2	10	5	40	6
107.	308R	<.2	20	20	95	12
108.	309R	<.2	10	30	15	12
109.	310R	<.2	55	25	70	2
110.	311R	<.2	55	40	25	4
111.	312R	<.2	85	55	20	2
112.	313R	<.2	10	10	15	4
113.	314R	<.2	10	10	55	2
114.	315R	<.2	20	315	15	6
115.	316R	<.2	30	5	10	16
116.	317R	<.2	170	30	30	2
117.	318R	<.2	10	<5	15	4
118.	319R	<.2	40	<5	15	6
119.	D-320R	<.2	105	20	80	2

Charles E. Thompson
Charles E. Thompson
Chief Chemist

cc. Idaho Mining Corporation
Reno, Nevada

Map of Geochemical Samples taken 8/6/69 and 8/7/69 from Alpers Claims,
Copper Hill Prospect, Mineral County, Nevada, by Idaho Mining Corporation.
Scale: 1" = 500' compiled by W. L. Wilson 8/27/69

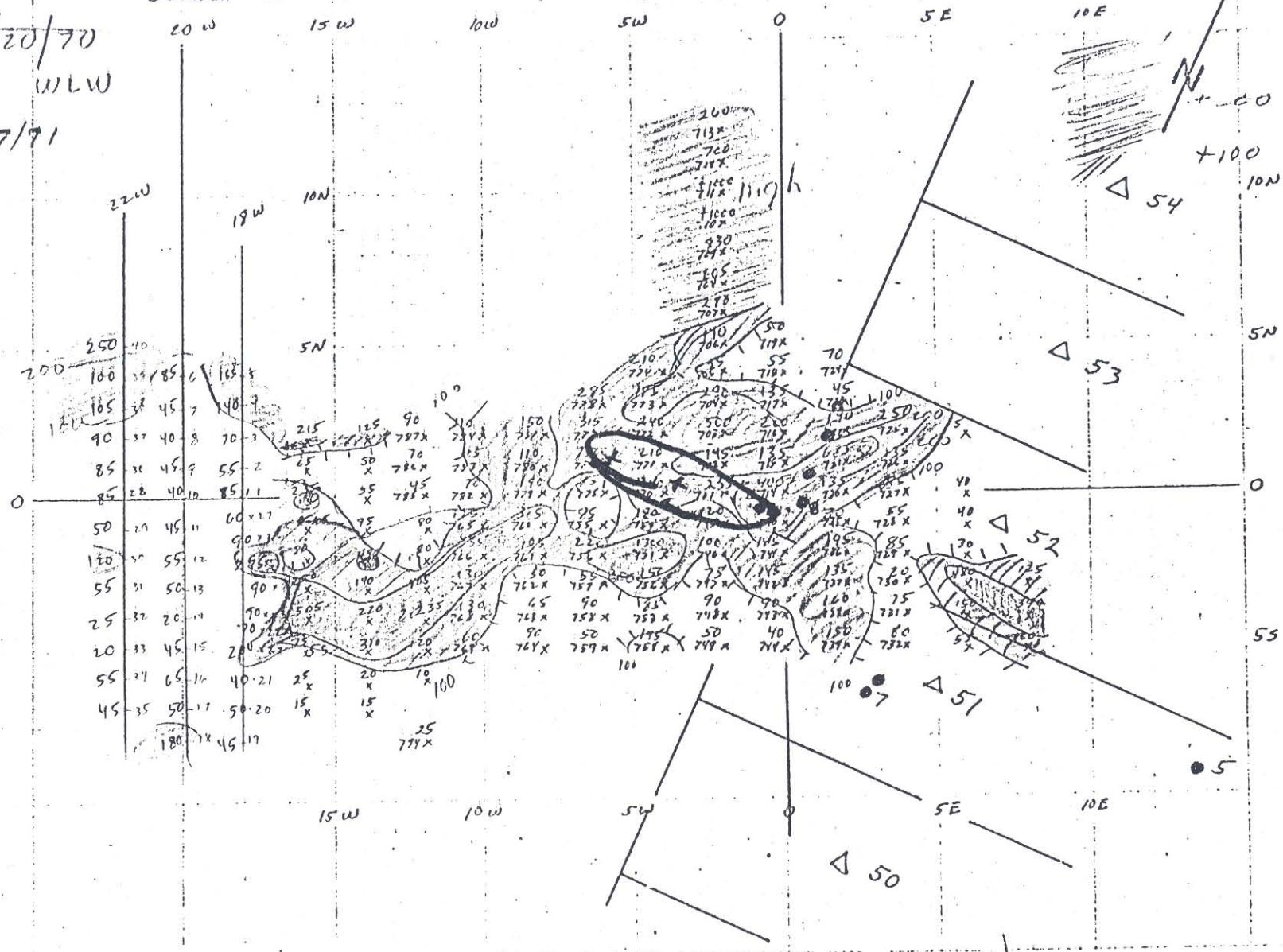


Copper in Soil & Rocks
8/27/69
WLW

Map of Geochemical Samples taken 8/6/69 and 8/7/69 from Alpers Claims,
Copper Hill Prospect, Mineral County, Nevada, by Idaho Mining Corporation.
Scale: 1" = 500' compiled by W. L. Wilson 8/27/69

~~Rev 1/20/70~~
WLW

Rev 7/27/71



Map Showing Distribution of ZINC
in Soil and Rocks on Alpers Claims, Copper Hill Prospect, Mineral County, Nevada. Samples taken 8/6/69 and 8/7/69 by Idaho Mining Corporation.

Scale: 1" = 500' compiled by W. L. Wilson, 8/27/69

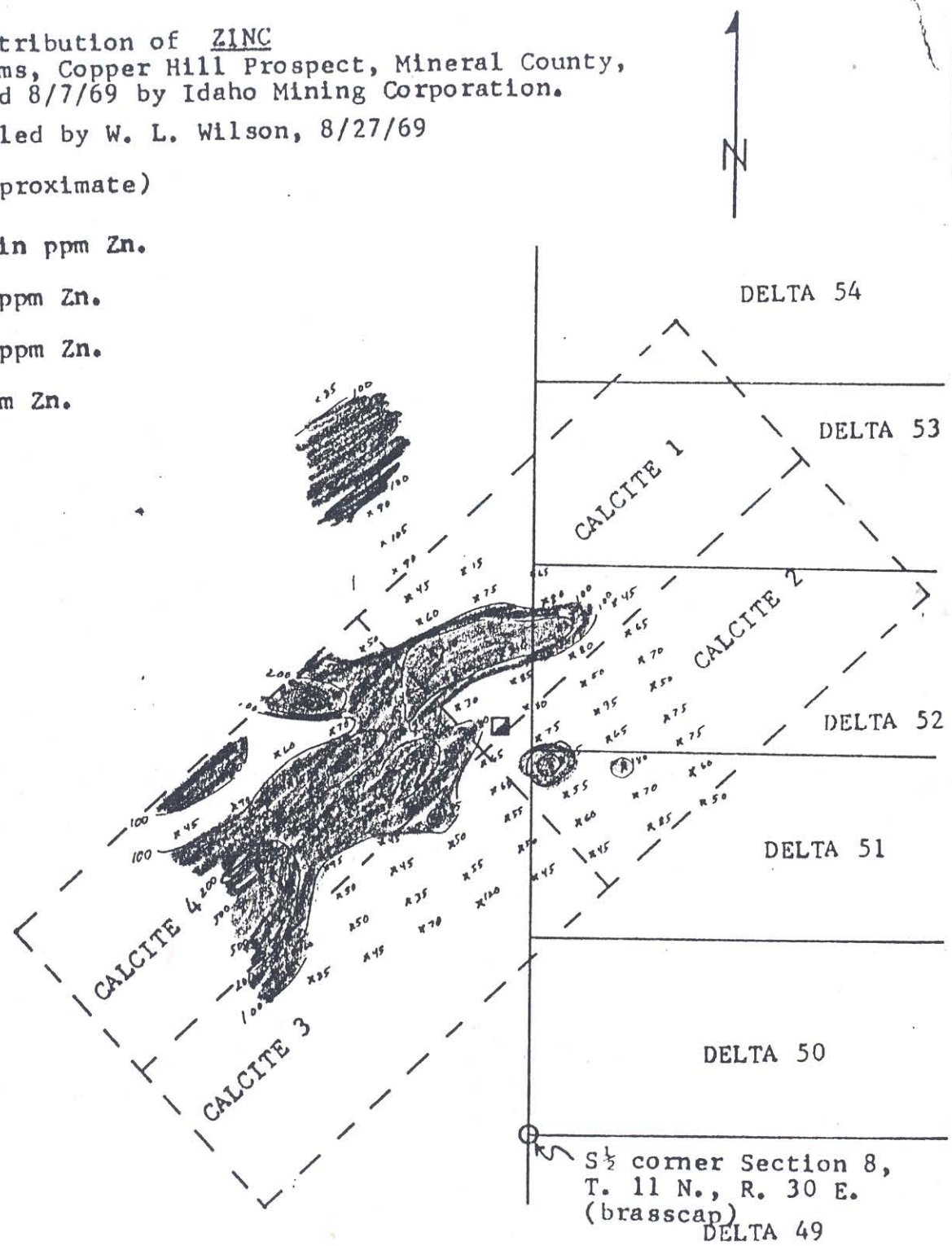
(note: Alpers Claim boundaries approximate)

x 250 = sample locality, value in ppm Zn.

area containing 100-200ppm Zn.

area containing 200-500ppm Zn.

area containing + 500ppm Zn.



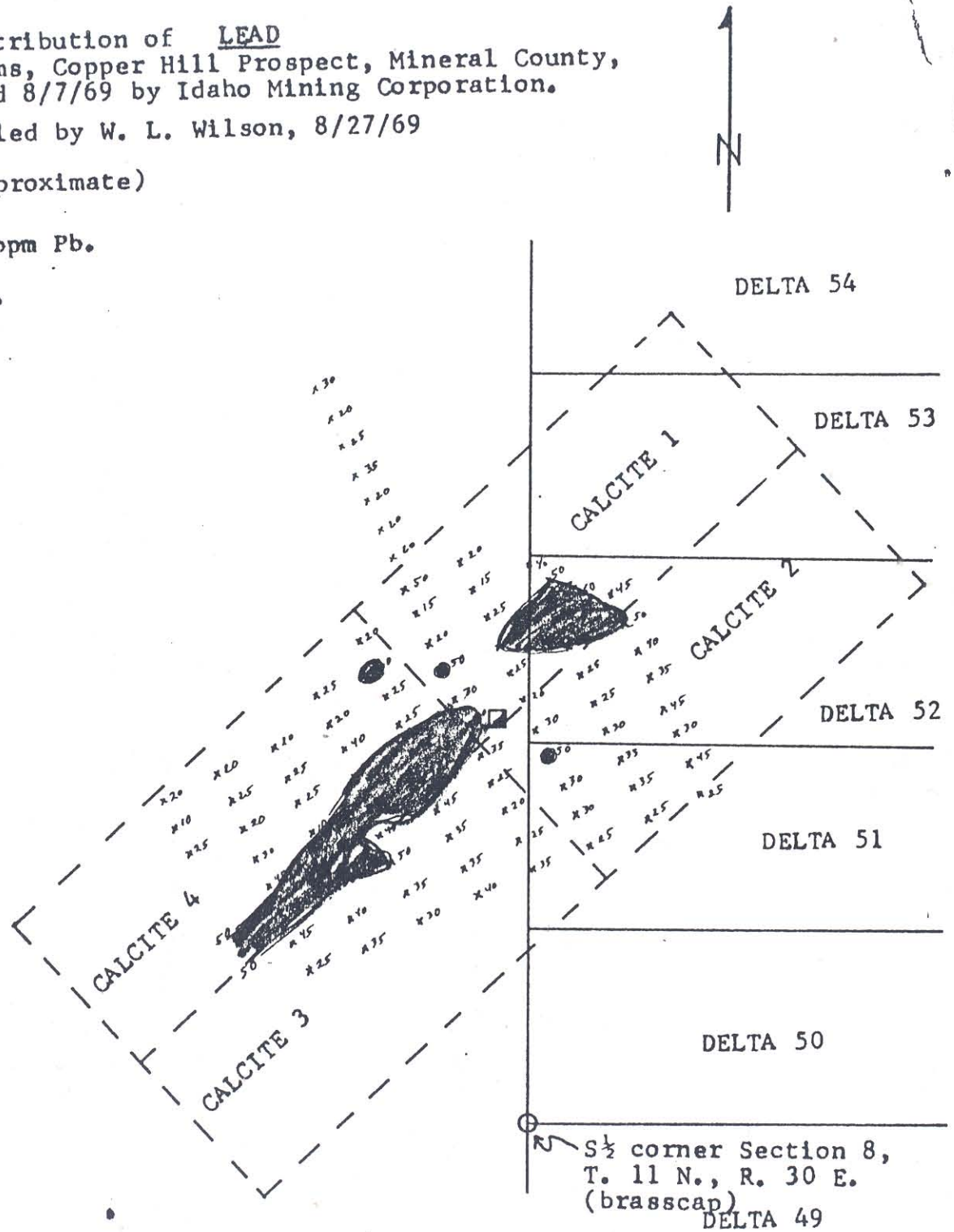
Map Showing Distribution of LEAD
in Soil and Rocks on Alpers Claims, Copper Hill Prospect, Mineral County, Nevada. Samples taken 8/6/69 and 8/7/69 by Idaho Mining Corporation.

Scale: 1" = 500' compiled by W. L. Wilson, 8/27/69

(note: Alpers Claim boundaries approximate)

x 30 = sample locality, value in ppm Pb.

area containing + 50ppm Pb.



Map Showing Distribution of MOLYBDENUM
in Soil and Rocks on Alpers Claims, Copper Hill Prospect, Mineral County, Nevada. Samples taken 8/6/69 and 8/7/69 by Idaho Mining Corporation.

Scale: 1" = 500' compiled by W. L. Wilson, 8/27/69

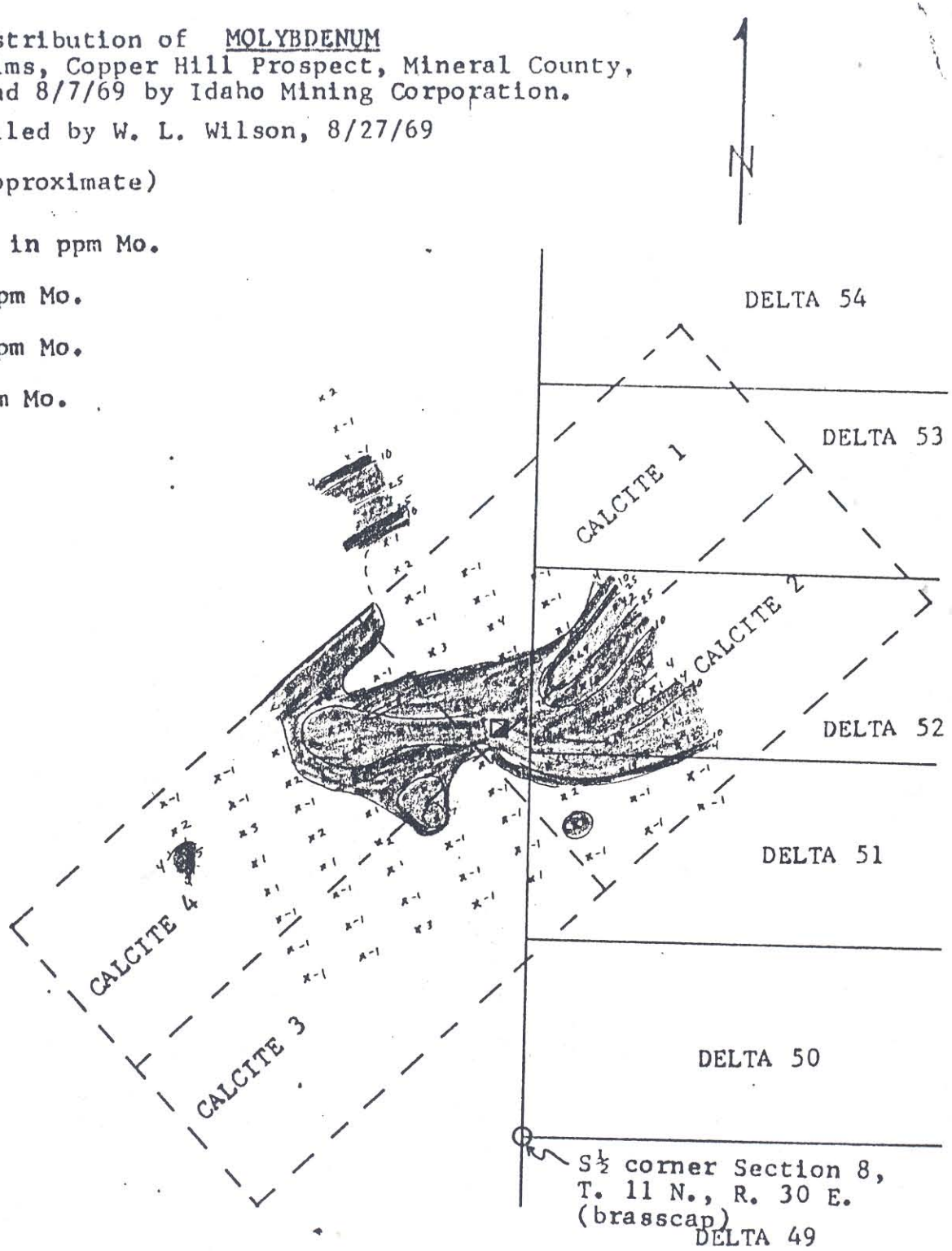
(note: Alpers Claim boundaries approximate)

x? = sample locality, value in ppm Mo.

area containing 4-10 ppm Mo.

area containing 10-25ppm Mo.

area containing + 25ppm Mo.



Map Showing Distribution of COPPER
in Soil and Rocks on Alpers Claims, Copper Hill Prospect, Mineral County, Nevada. Samples taken 8/6/69 and 8/7/69 by Idaho Mining Corporation.

Scale: 1" = 500' compiled by W. L. Wilson, 8/27/69

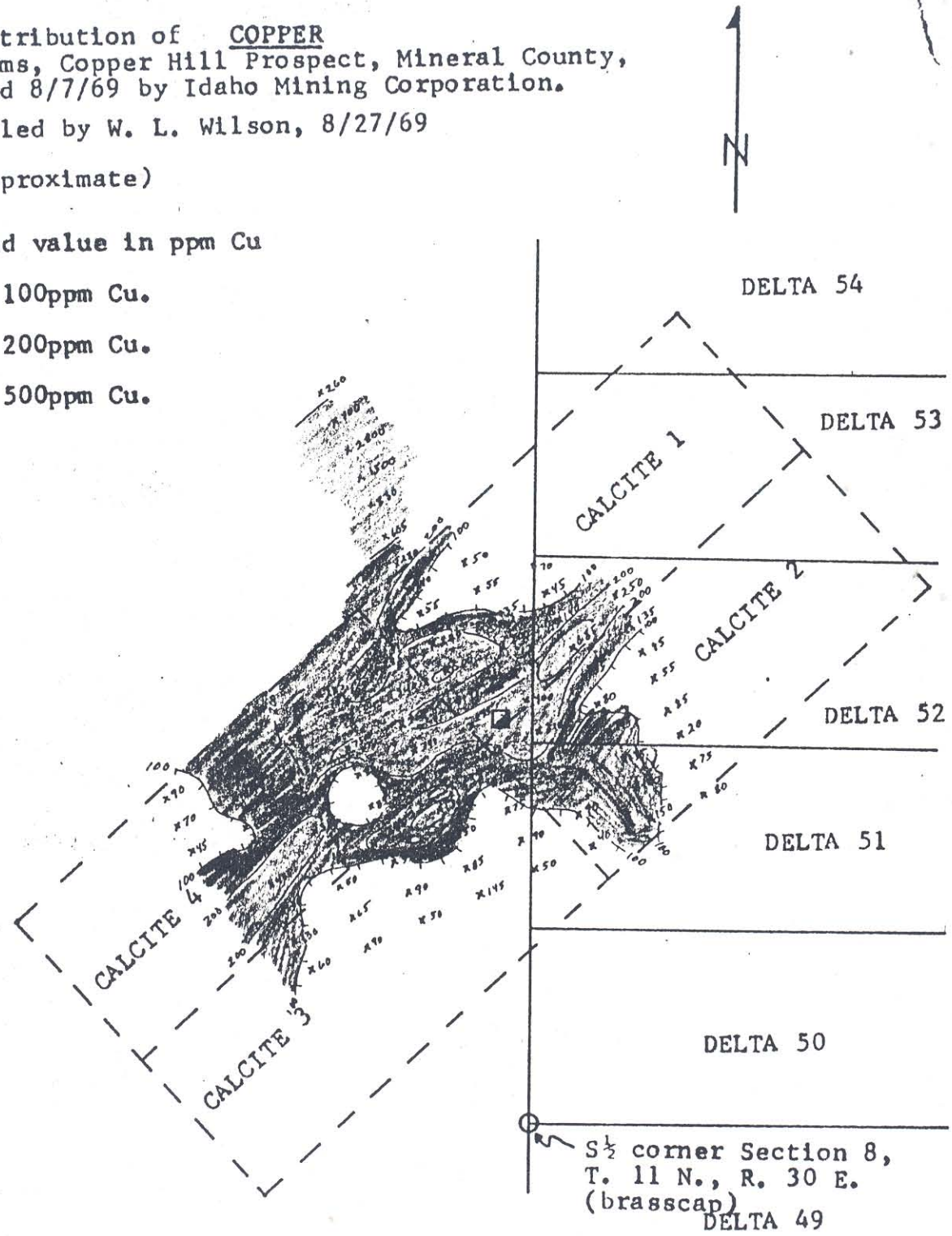
(note: Alpers Claim boundaries approximate)

x 270 = sample locality and value in ppm Cu

area containing + 100ppm Cu.

area containing + 200ppm Cu.

area containing + 500ppm Cu.



REPORT ON GEOCHEMICAL SURVEY
ALPERS CLAIMS

A geochemical survey of a portion of the Leap Year-Hayward-Calcite claims was conducted during the month of August, 1969. Rock and/or soil samples were collected from each claim on a 200' by 100' grid, and were analyzed geochemically for copper, lead, zinc, molybdenum and gold by Rocky Mountain Geochemical Corporation, Reno, Nevada.

The basic findings from such survey were:

1. Little gold was present in the samples collected (only one sample had detectable gold, or greater than 0.1 ppm)

2. Significant patterns emerged for all other elements analyzed, as follows:

a. Lead occurrence was generally restricted to the Luning Limestone formation, and was present only in low concentrations in that formation.

b. Significant concentrations of copper, molybdenum and zinc are present, and their patterns generally show a positive correlation with each other. This mineralization appears to cross cut various rock types (quartz-monzonite, Luning Limestone and Excelsior formations), apparently following structural patterns.

c. Targets for further exploration have been developed by the information gained from this survey.

This survey was non-repetitive of any previous survey or work, and did further the exploration and development of each claim in said group.

The map below shows the portions of the claims covered by the samples taken for this survey.

The writer, W. L. Wilson, who supervised the above survey, has been the Exploration Manager for Idaho Mining Corporation for 10 years, and previous to that was employed in the mining and mineral exploration business for 6 years.

Dated: August 29, 1969.

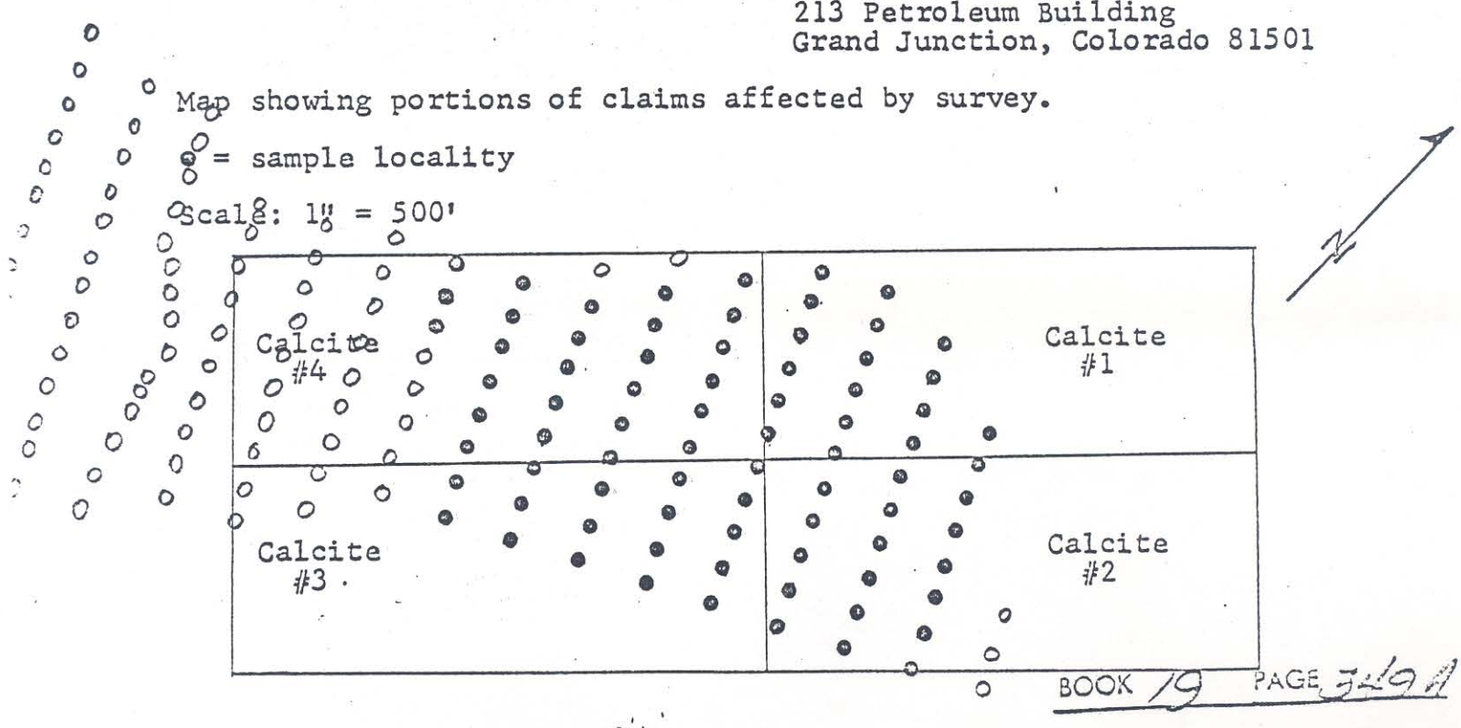
W. L. Wilson

W. L. Wilson, Exploration Manager
Idaho Mining Corporation
213 Petroleum Building
Grand Junction, Colorado 81501

Map showing portions of claims affected by survey.

o = sample locality

Scale: 1" = 500'



BOOK 19 PAGE 749A

O = new sample localities 1970-71

3 Lo samples due to the affected claims

6000 0086 (0160)

Geochem

MEMORANDUM

From: W. L. Wilson
To: ~~Ward Carithors~~
Re: Copper Hill
Date: August 8, 1973

Dear Ward:

As we discussed on my recent trip to Nevada, I am sending you the stream sediment sampling data which was collected several years ago in the Copper Hill area. This consists of two photos, being GS-VAMT-2-109, and 2-137. 2-137 covers the Copper Hill area proper, and 2-109 covers the Copper Hill-West area. Please ignore the aerial magnetics which are drawn on these photos, as we have better data available from a more recent compilation; however, the photos may be used to overlay the geochemical data upon.

Also attached are overlays for these two photos, showing the relative copper values in the drainage patterns.

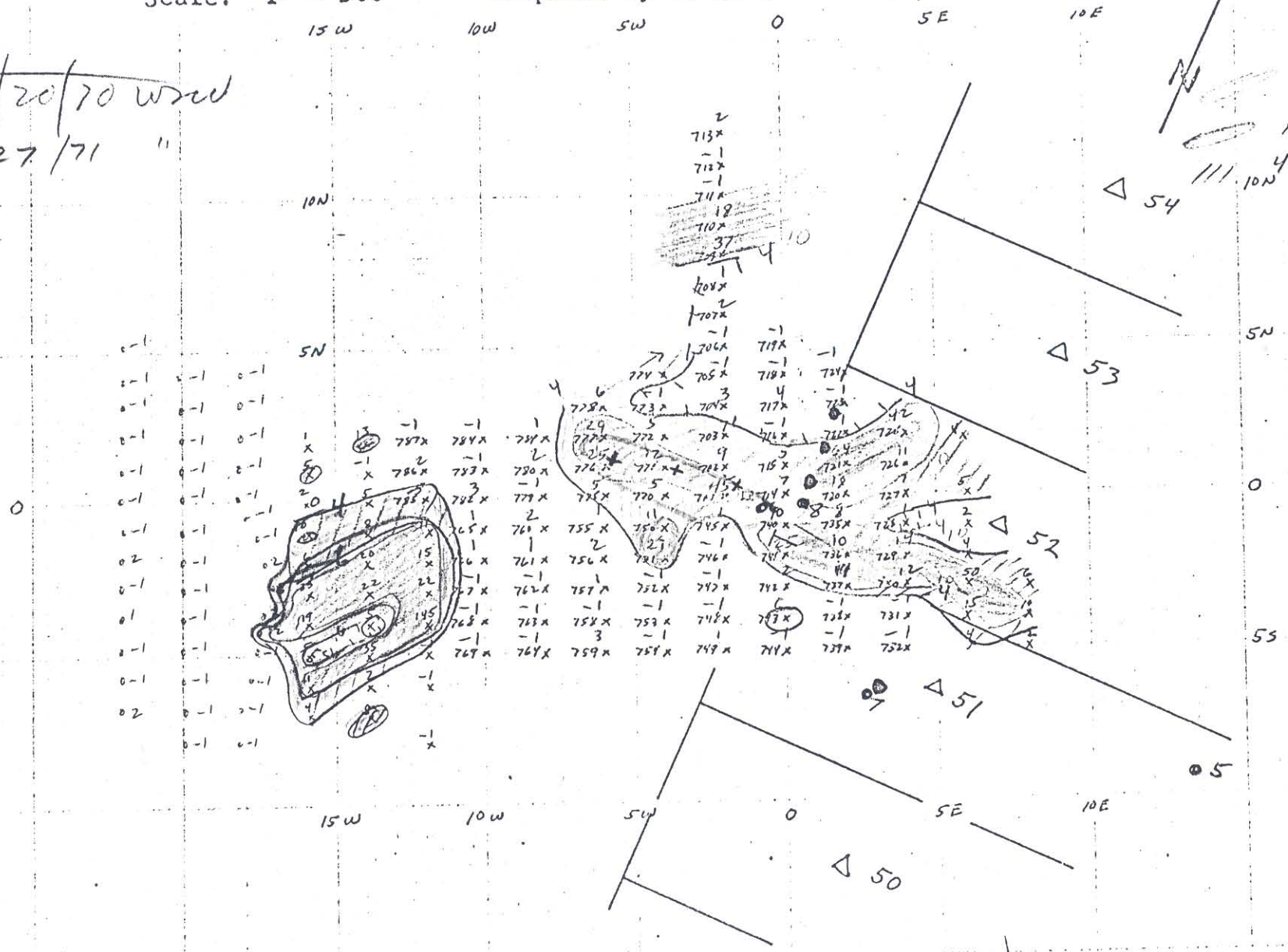
The samples were taken from dry washes, and consist of the fine fraction of the stream sediment, which was screened to approximately -64 mesh. The fine fraction from this screening was then subjected to the standard cold copper treatment, which consisted of digesting the (a) measured volume of the sample in a cold solution of hydrochloric acid suitably buffered, and adding 2,2 biquinaline and agitating for a stated time until the samples were digested. The color obtained was then compared with standards to obtain the values in ppm. As you are aware, this method does not approach a total extraction of the cooper, and the maximum sensitivity of this particular test was approximately

Map of Geochemical Samples taken 8/6/69 and 8/7/69 from Alpers Claims,
Copper Hill Prospect, Mineral County, Nevada, by Idaho Mining Corporation.
Scale: 1" = 500' compiled by W. L. Wilson 8/27/69

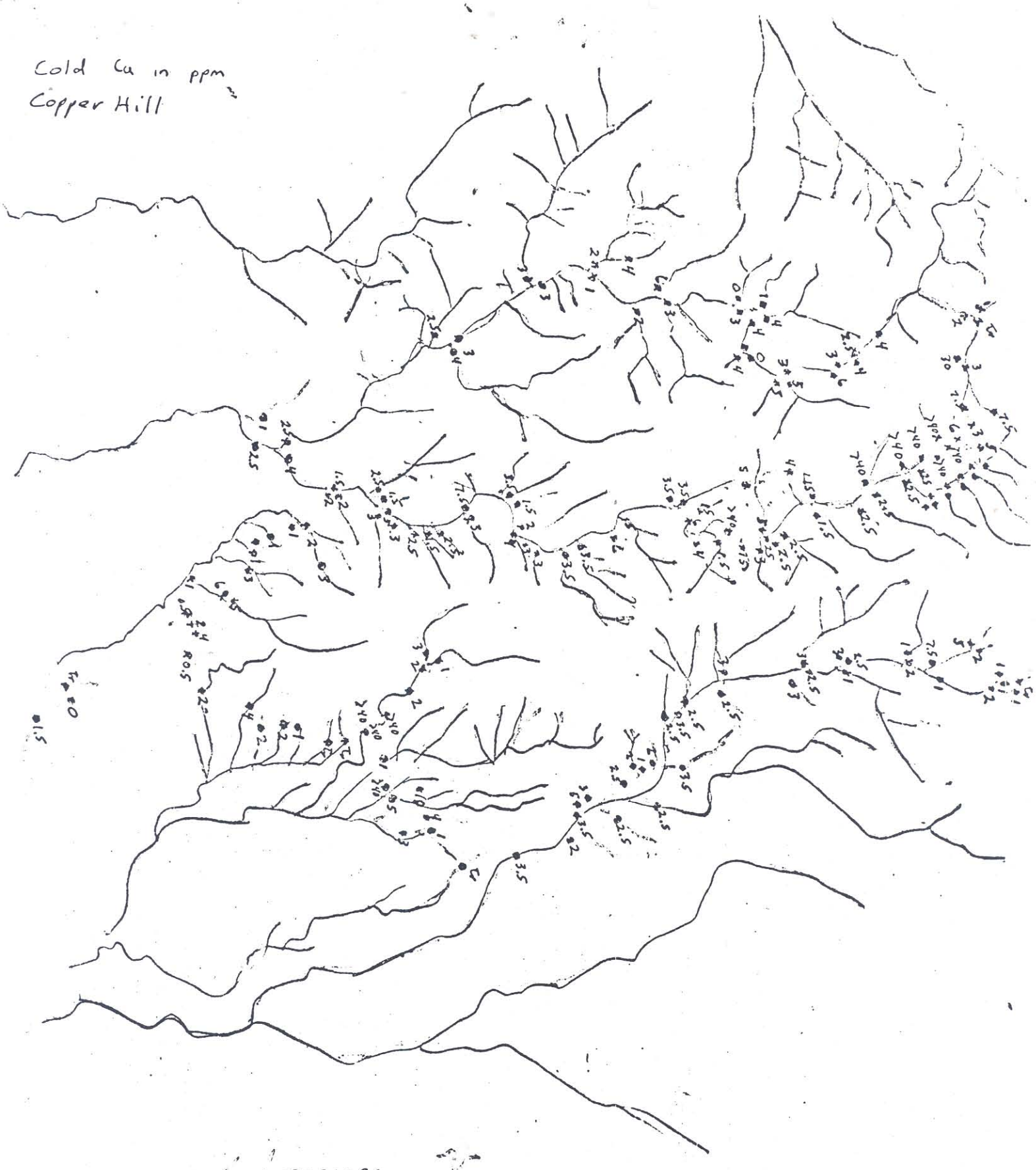
Rec 8/29/69 WDW

Rev 1/20/70 WDW

Rev 7/27/71 "

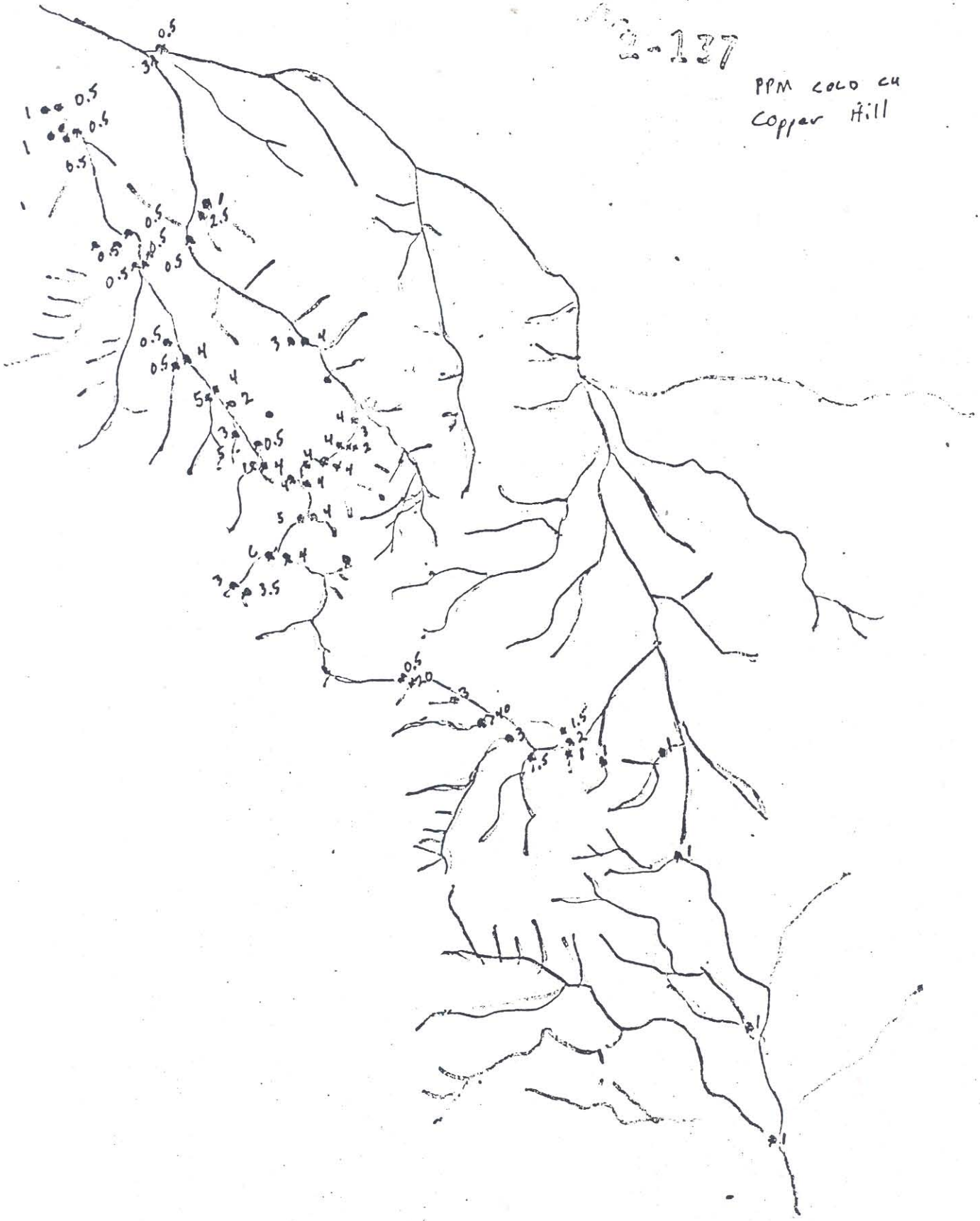


Cold Cu in ppm
Copper Hill



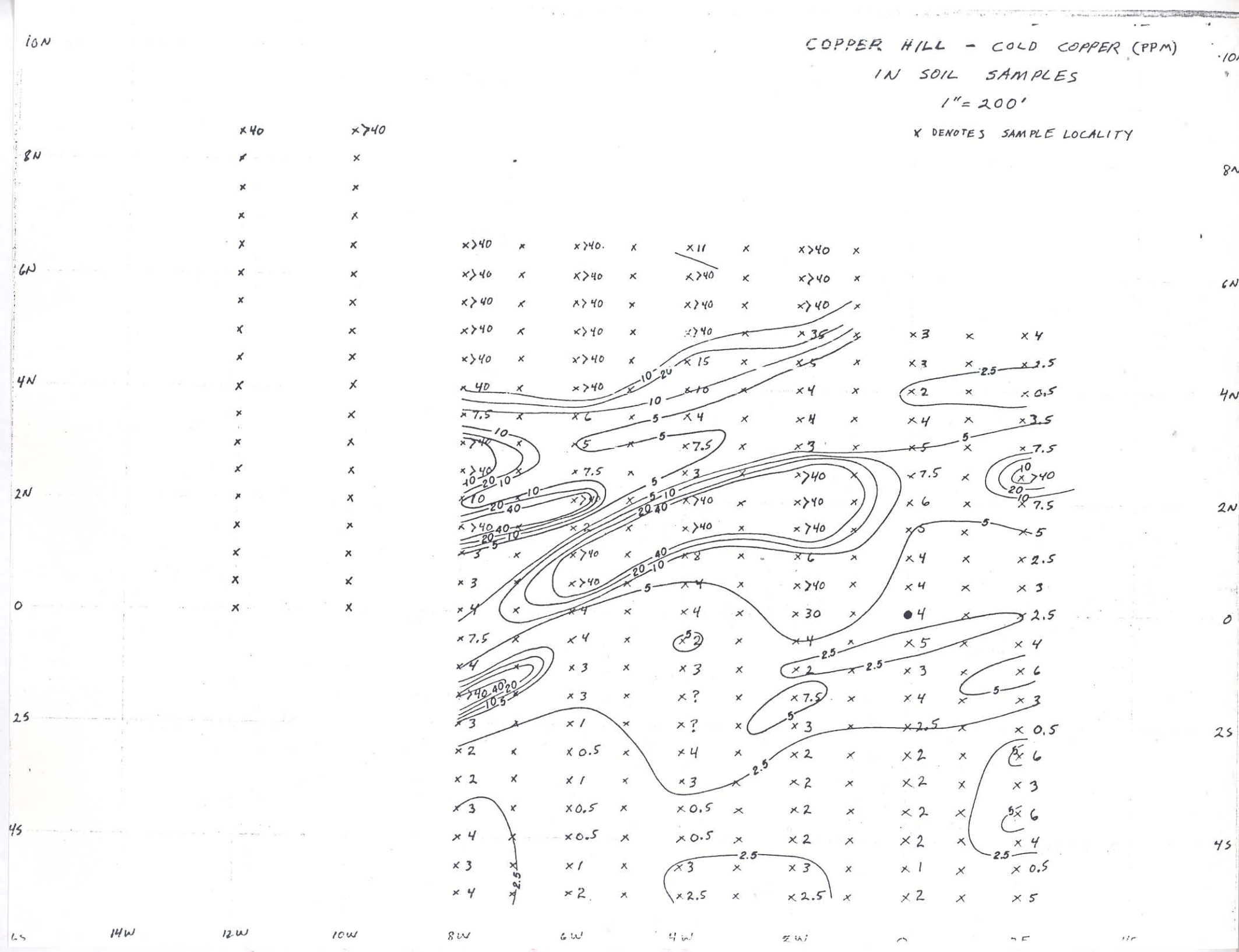
2-137

PPM COLO CU
Copper Hill



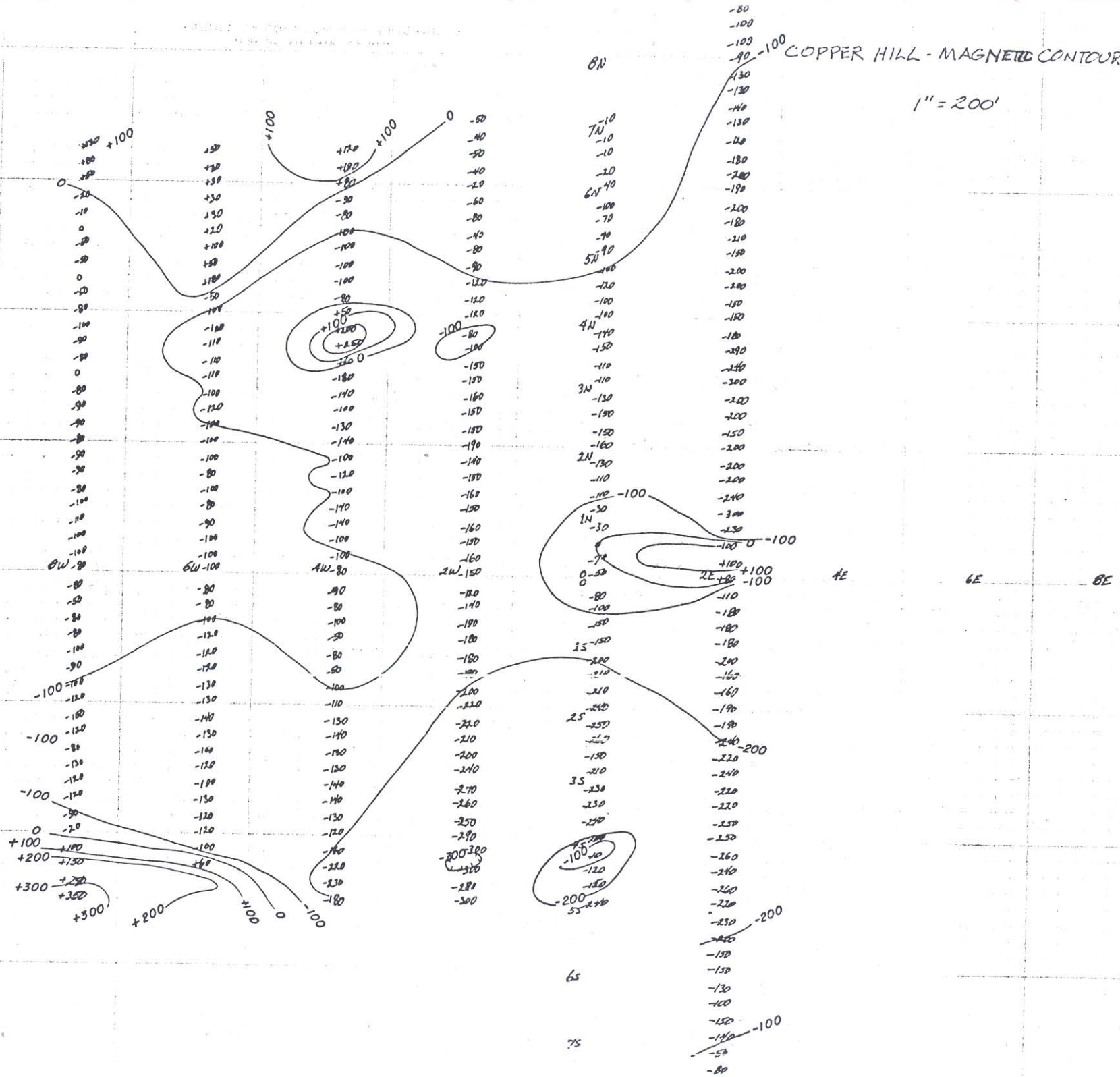
COPPER HILL - COLD COPPER (PPM)
IN SOIL SAMPLES
1" = 200'

X DENOTES SAMPLE LOCALITY



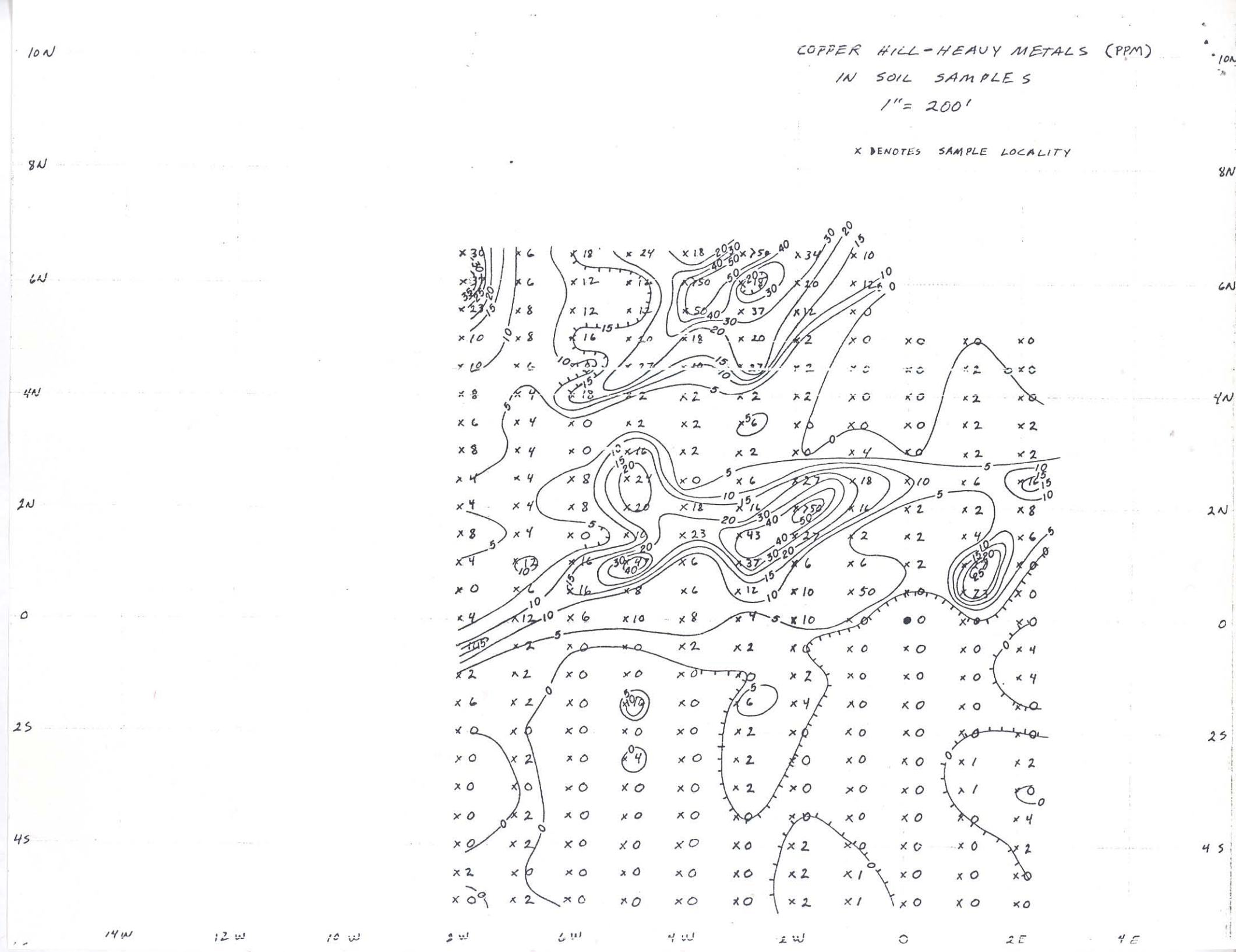
COPPER HILL - MAGNETIC CONTOURS

1" = 200'



COPPER HILL - HEAVY METALS (PPM)
IN SOIL SAMPLES
1" = 200'

X DENOTES SAMPLE LOCALITY



A 6 NW " " " " " "

A 8 NW " " " 1/2 " " " 1/2 " disseminated cu mins

some alunite?

A 10 NW " " " a little pyritic alt

most of mafics gone

A 11 NW (DUMP) Med Gr GD - much pyr alt

some cu mins

A 12 NW " " " some py alt

A 14 NW " " " a little " " - little alt.

A 16 NW " " some py alt - somewhat porphyritic

B 0 SE Med Gr GD little py alt

B 2 SE " " " " " "

B 4 SE " " " some " "

B 6 SE " " " " " "

B 8 SE " " " " " "

B 10 SE " " " " " "

B 12 SE " " " much ~~more~~ " "

B 14 SE " " " much " "

B 16 SE " " " " " "

L 18 E 11 850 N " " " " " "

3-29-66-7 (~~Hematite~~ ~~Selenite~~ ?) from SE end of main intr.

2-1-66-1 Granite in troll Cu hill Photo 2-109

✓ 12-20-65-2 Badger Inlet SW 12 N

2-15-66-1 Wildhorse intr ~ 1 mi so of claims.

WLW

OCCIDENTAL AGRICULTURAL CHEMICALS CORPORATION

RESEARCH & DEVELOPMENT DIVISION

ANALYTICAL DEPARTMENT

DATE 1-6-66 PROJECT 1006 REQUESTED BY R.L. Redmond

Parts Per Million

RESEARCH NUMBER	ANALYTICAL NUMBER	TYPE OF MATERIAL	Cu	EST.	Pb	EST.	Zn	EST.	Mo	EST.	Ag	EST.		EST.
B-6-5E	15198		99.0		12.5		19.6		3.4		0.1			
B-8-5E	15200		24.9		17.0		16.8		3.4		0.2			
B-12-5E	15200		39.0		17.7		20.1		6.0		0.2			
B-10-5E	15201		24.3		13.3		15.2		3.4		0.2			
B-14-5E	15202		26.5		12.4		17.6		4.6		0.1			
B-16-5E	15203		21.9		27.8		12.8		4.2		0.2			
2-15-E 1850N	15204		24.6		23.7		20.1		3.6		0.2			
2-1-66-1	15205		37.4		26.4		36.8		8.2		0.2			
12-20-65-2	15206		20.3		12.5		21.6		4.6		0.1			
13-15-66-1	15207		1,761	0.12%	349.4		377.0		11.8		0.6			

STRICTLY COMPANY CONFIDENTIAL

APPROVED BY 1/11/66 [illegible]

6000 0086 (0760)

ASSESMENT
WORK

Cu Hill

AFFIDAVIT OF ANNUAL ASSESSMENT WORK
FOR UNPATENTED MINING CLAIMS

STATE OF COLORADO)
) ss.
COUNTY OF MESA)

TO WHOM IT MAY CONCERN:

Please take notice that W. L. Wilson, being first duly sworn, says that in excess of $2,400.00, being more than $100.00 per unpatented mining claim (identified below), was expended for labor and improvements on or with respect to such claims, consisting of a geological survey of the claims, consisting of a correlation and compilation of previous geological, geophysical, and geochemical work, additional geologic mapping, preparing lithologic logs from previous drill holes, obtaining geochemical analyses on previous drill holes, all directed at a geological survey of the claims to formulate a drilling program for future work. This work was non-repetitive of previous work done on the claims. Attached as Exhibit "A" is a report of the basic findings of Mr. Carithers' work.

All of the claims listed below are contiguous and adjacent and form a unified block of claims, all of which are owned by or under lease/option to Idaho Mining Corporation, in whose behalf the above expenditures were made. Such work improved and benefitted the entire block of claims and each of the individual claims forming such block.

The names of the unpatented claims in such block, for the benefit of which such labor and improvements were performed or made, together with the Book and Page of the recording of the Certificates of Location thereof in the Office of the Recorder of Mineral County, Nevada and the record owners thereof are, respectively, as follows:

Claim Name	Location Certificate Recorded Book	Page	Owner
Delta 47	4, Official Records	908	Idaho Mining Corporation
Delta 48	4, " "	909	" " "
Delta 49	4, " "	910	" " "
Delta 146	4, " "	911	" " "
Delta 147	4, " "	912	" " "
Delta 148	4, " "	913	" " "
Delta 149	4, " "	914	" " "
Delta 150	4, " "	915	" " "
Delta 151	4, " "	916	" " "
Delta 152	4, " "	917	" " "
Delta 50	20, " "	439	" " "
Delta 51	20, " "	440	" " "
Delta 52	20, " "	441	" " "
Delta 53	20, " "	442	" " "
Delta 54	20, " "	443	" " "
Delta 55	20, " "	444	" " "
Delta 56	20, " "	445	" " "
Delta 57	20, " "	446	" " "
Delta 58	20, " "	447	" " "
Delta 59	20, " "	448	" " "
Leap Year No. 1	3, Mining Locations	464	Ernest Alpers, Smith, Nevada
Leap Year No. 2	3, " "	464	" "
Leap Year No. 5	7, " "	328	" "
Leap Year No. 6	7, " "	328	" "

Relocated as:

Hayward No. 1	12,	Mining	Locations	587	Ernest Alpers, Smith, Nevada	
Hayward No. 2	12,	"	"	588	"	"
Hayward No. 3	12,	"	"	588	"	"
Hayward No. 4	12,	"	"	589	"	"

Amended to:

Calcite No. 1	19,	Mining	Locations	268	"	"
Calcite No. 2	19,	"	"	268	"	"
Calcite No. 3	19,	"	"	269	"	"
Calcite No. 4	19,	"	"	270	"	"

all situate in the Rand Mining District, Mineral County, Nevada.

The above expenditures were made between September 1, 1972 and August 28, 1973 for the assessment year which commenced September 1, 1972 and ends September 1, 1973. The work and improvements were made by Ward Carithers, Consulting Geologist of Reno, Nevada, Skyline Labs, Inc. of Wheatridge, Colorado, Rocky Mountain Geochemical Corporation of Sparks, Nevada, and personnel of Idaho Mining Corporation

Dated this 28th day of August, 1973.

W. L. Wilson

W. L. Wilson, President
Idaho Mining Corporation
P. O. Box 2183
Grand Junction, Colorado 81501

Subscribed and sworn to before me this 28th day of August, 1973.

Jean S. Watson

Notary Public in and for
Mesa County, Colorado

My commission expires April 12, 1977.

Two witnesses:

William B. Waldeck

Judith A. Wisniewski

WARD CARITHERS
CONSULTING MINING GEOLOGIST
1750 ALEXANDER HAMILTON DRIVE
RENO, NEVADA 89502

TELEPHONE
702/322-6400

September 10, 1973

Mr. Gary L. Barton, County Recorder
Mineral County Court House
Hawthorne, Nevada 89415

Dear Gary:

Herewith for recording are two documents:

1. Affidavit of annual assessment work for the five Cu lode mining claims (2 pages).

2. Affidavit of annual assessment work for the 24 Delta and Calcite (and earlier locations) lode mining claims (3 pages).

Cu Hill

I haven't much of an idea as to the total cost of these recordings, so will send you a check upon receipt of your advice.

After recording, please forward the documents to:

Idaho Mining Corporation
P. O. Box 2183
Grand Junction, Colorado 81501

Thanks and best regards.

Sincerely,

Ward Carithers

Ward Carithers

WC:c
Encl.

6000 0086 (0760)

Geochem

MEMORANDUM

From: W. L. Wilson
To: ~~Ward Carithers~~
Re: Copper Hill
Date: August 8, 1973

Dear Ward:

As we discussed on my recent trip to Nevada, I am sending you the stream sediment sampling data which was collected several years ago in the Copper Hill area. This consists of two photos, being GS-VAMT-2-109, and 2-137. 2-137 covers the Copper Hill area proper, and 2-109 covers the Copper Hill-West area. Please ignore the aerial magnetics which are drawn on these photos, as we have better data available from a more recent compilation; however, the photos may be used to overlay the geochemical data upon.

Also attached are overlays for these two photos, showing the relative copper values in the drainage patterns.

The samples were taken from dry washes, and consist of the fine fraction of the stream sediment, which was screened to approximately -64 mesh. The fine fraction from this screening was then subjected to the standard cold copper treatment, which consisted of digesting the (a) measured volume of the sample in a cold solution of hydrochloric acid suitably buffered, and adding to, (2) biquinaline and agitating for a stated time until the samples were digested. The color obtained was then compared with standards to obtain the values in ppm. As you are aware, this method does not approach a total extraction of the cooper, and the maximum sensitivity of this particular test was approximately

40 ppm. Background over the reservation is less than 1 ppm for this test in stream sediments, and there is a slightly higher than normal background in the Copper Hill area, perhaps approaching 1 ppm.

I am sending you my original data on this, since it is not convenient to make copies, and I know you will give it suitable care.

With kindest regards,

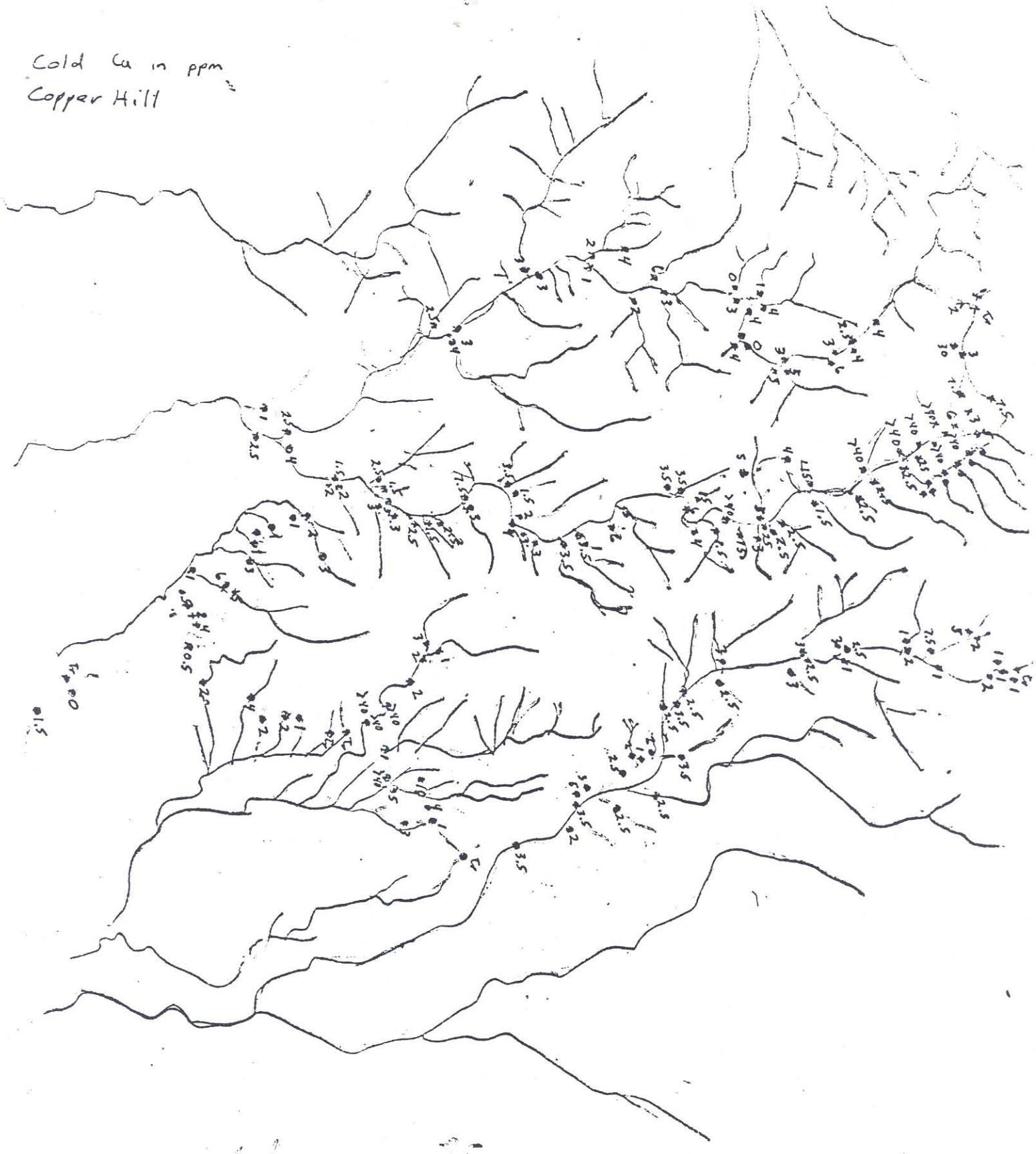
W. L. Wilson

WLW/jw

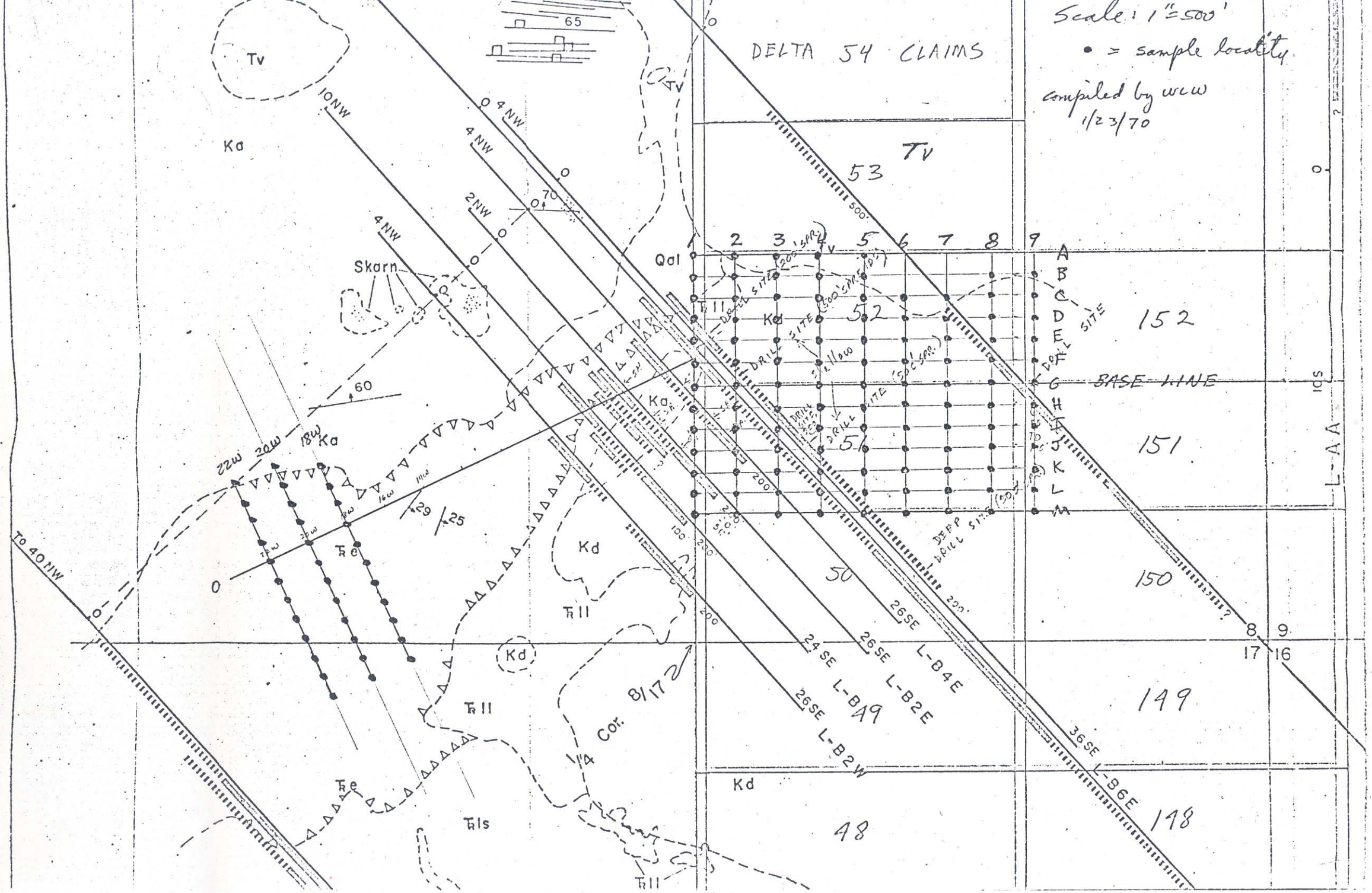
Attachments: 2 photos, 2 overlays

Xc: Ward Carithers file
Copper Hill Prospect Geochemistry, Soil Sampling file

Cold Cu in ppm
Copper Hill



Wade Highway Cities Service



6000 0086 (0760)

6000 0086 (0760)

Geochem

Idaho Mining Corporation

OFFICE: 537-A ROOD AVENUE
MAIL: P. O. BOX 2183
GRAND JUNCTION, COLORADO 81501
PHONE 303-243-7806

7/28/71

Mr. A. K. Wilson, Jr.

Kay: The attached map of the Copper Hill area shows the location of proposed drill hole Delta 9. The scale of the map is supposed to be 1" = 1000', but it is slightly distorted (enlarged).

The best way to stake out the drill hole is to tape 330' due west from the common west corners of the Delta 51 and 52 claims. This should place the hole very close to station 900 SE on IP Line B2E, which was an electrode; and it will also be close to the geophysical base line at about 340' SW.

This selection is made from the IP and geochemical data, and a drill hole here should be quite interesting. Cuttings in 10' intervals should be run for Cu, Pb, Zn and Mo.

While you are out there, in addition to collecting the additional geochemical samples planned, you should do the following surveying:

1. shoot in with stadia or tape and transit the existing drill holes (using claim markers from the Delta Claims or the GP base line for control.), Delta 1 through 8, and the new hole, Delta 9.

2. If you have not already done so, shoot in the geophysical base line by taping from a claim corner to the monument on the claim line; turning an angle along the line; and taping from the west claim line of the Delta Claims to the '0' point on the base line. The only data I have is scaled from Sprouts map, and shows the line crossing the west claim line about 1325 feet north of the 1/4 corner; with a bearing along the gp line of about S 65 W; and with the '0' point being about 35' SW of the claim line.

3. You probably have data to indicate how the IP lines were tied to the claims or the public lands survey, but I do not have any of this. I would like to know how these lines were placed, and the relative accuracy attained. I dont know of any discrepancies, and hope that it wont be necessary to survey some of these lines to tie them into the existing control.

The reason for the above requests is that I am making a new map at 500 scale, bringing all of the data together, and I would like to put accurate information on the map.

Call me if you have questions.

Kindest regards,

Bill

Idaho Mining Corporation

OFFICE: 537-A ROOD AVENUE
MAIL: P. O. BOX 2183
GRAND JUNCTION, COLORADO 81501
PHONE 303-243-7806

7/28/71

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Call me if you have questions.

Kindest regards,

Bill

Map showing Distribution of ZINC
in Soil and Rocks on Alpers Claims, Copper Hill Prospect, Mineral County,
Nevada. Samples taken 8/6/69 and 8/7/69 by Idaho Mining Corporation.

Scale: 1" = 500' compiled by W. L. Wilson, 8/27/69

(note: Alpers Claim boundaries approximate)

xxxx = sample locality, value in ppm Zn.

area containing 100-200ppm Zn.

area containing 200-500ppm Zn.

area containing + 500ppm Zn.

Samples 788-824 added 1/20/70, WLW.

Copper Hill Area 1" = 1000' WLW 7/28/71

Map showing Distribution of
in soil and rocks on Alpha claims, Copper Hill Prospect, Mineral County,
Nevada. Samples taken 8\6\69 and 8\7\69 by Idaho Mining Corporation.
Scale: 1" = 200' compiled by W. L. Wilson, 8\12\69
(note: Alpha claim boundaries approximate)

Map Showing Distribution of
in Soil and Rocks on Alpers Claims, Copper Hill Prospect, Mineral County,
Nevada. Samples taken 8/6/69 and 8/7/69 by Idaho Mining Corporation.

Scale: 1" = 500' compiled by W. L. Wilson, 8/27/69

(note: Alpers Claim boundaries approximate)

Map Showing Distribution of
in Soil and Rocks on Alpers Claims, Copper Hill Prospect, Mineral County,
Nevada. Samples taken 8/6/69 and 8/7/69 by Idaho Mining Corporation.

Scale: 1" = 500' compiled by W. L. Wilson, 8/27/69

(note: Alpers Claim boundaries approximate)

Map Showing Distribution of
in Soil and Rocks on Alpers Claims, Copper Hill Prospect, Mineral County,
Nevada. Samples taken 8/6/69 and 8/7/69 by Idaho Mining Corporation.

Scale: 1" = 500' compiled by W. L. Wilson, 8/27/69

(note: Alpers Claim boundaries approximate)

Map Showing Distribution of
in Soil and Rocks on Alpers Claims, Copper Hill Prospect, Mineral County,
Nevada. Samples taken 8/6/69 and 8/7/69 by Idaho Mining Corporation.

Scale: 1" = 500' compiled by W. L. Wilson, 8/27/69

(note: Alpers Claim boundaries approximate)

Map Showing Distribution of COPPER
in Soil and Rocks on Alpere Claims, Copper Hill Prospect, Mineral County,
Nevada. Samples taken 8/6/69 and 8/7/69 by Idaho Mining Corporation.

Scale: 1" = 500' compiled by W. L. Wilson, 8/27/69

(note: Alpere Claim boundaries approximate)

Map Showing Distribution of MOLYBDENUM
in Soil and Rocks on Alpers Claims, Copper Hill Prospect, Mineral County, Nevada. Samples taken 8/6/69 and 8/7/69 by Idaho Mining Corporation.

Scale: 1" = 300' compiled by W. L. Wilson, 8/27/69

(note: Alpers Claim boundaries approximate)

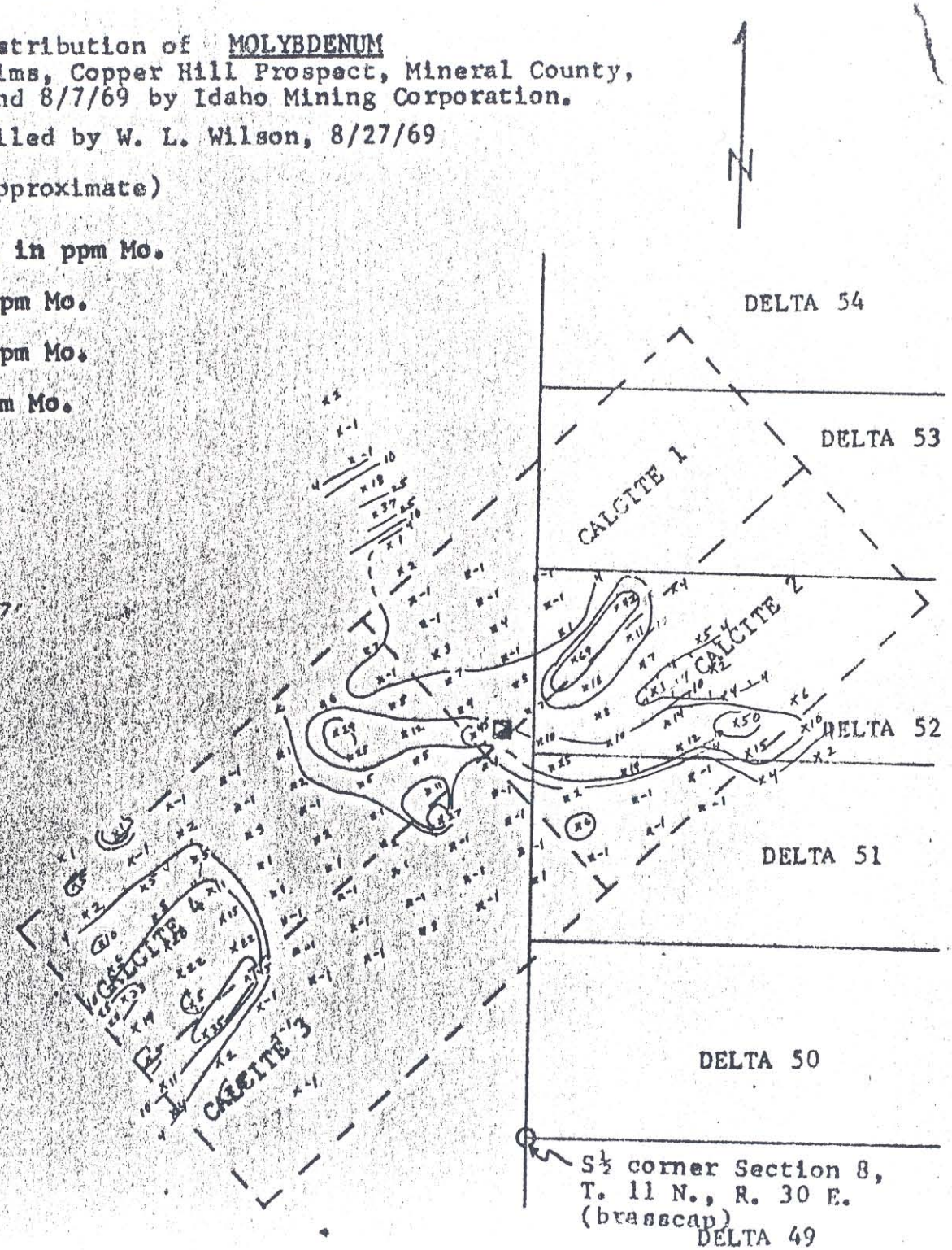
x+ = sample locality; value in ppm Mo.

area containing 4-10 ppm Mo.

area containing 10-25ppm Mo.

area containing + 25ppm Mo.

Samples 788-824 added 1/20/70, WLW.



Map Showing Distribution of **LEAD**
in Soil and Rocks on Alpers Claims, Copper Hill Prospect, Mineral County, Nevada. Samples taken 8/6/69 and 8/7/69 by Idaho Mining Corporation.

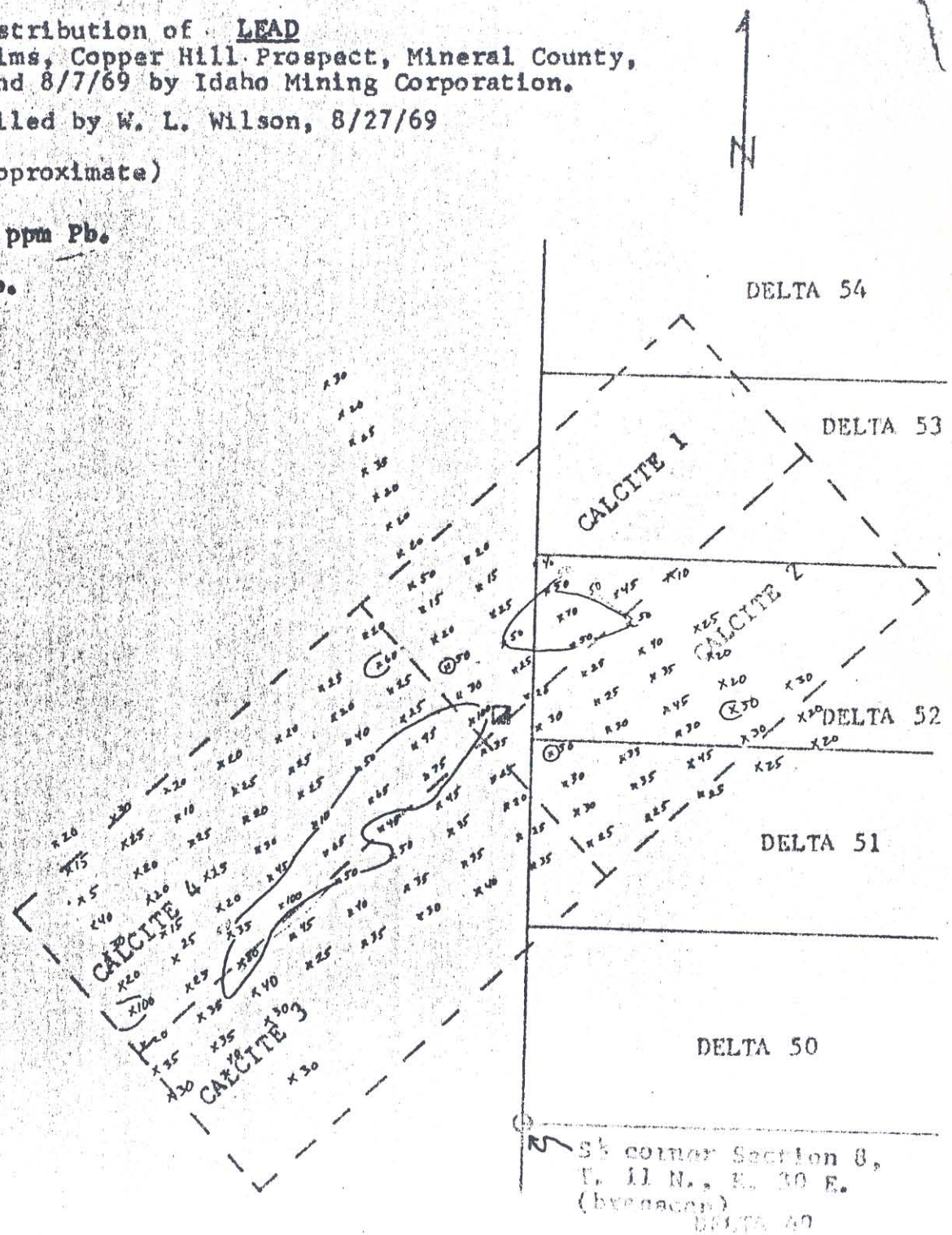
Scale: 1" = 500' compiled by W. L. Wilson, 8/27/69

(note: Alpers Claim boundaries approximate)

x ∞ = sample locality, value in ppm Pb.

( ) area containing + 50ppm Pb.

Samples 788-824 added 1/20/70, WLW.



6000 0086 (0760)

DELTA, CALCITE & MISC. COPPER HILL POINTS, AND
DELTA SERIES ROTARY DRILL HOLE LOCATIONS.

BASIS OF COORDINATE GRID--¼ cor. Sec. 8-17, T11N, R30E, MDM
equals 10,000.0N and 10,000.0E

DESIGNATION	From ¼ cor. 8-17 DISTANCE	BEARING	Coordinates NORTH	EAST
¼ cor. Sec. 8 & 17.	-0-	-0-	10,000.0	10,000.0
Geophysical Survey(GP) line--Sta. zero	1,325.6'	N 0°03'W	11,325.6	9,998.8
RDH Delta 5	2,001.9'	N53°33'E	11,189.4	11,610.2
RDH Delta 6	1,318.5'	N 3°13'W	11,316.3	9,925.9
RDH Delta 7	1,027.0'	N28°25'E	10,903.3	10,488.7
RDH Delta 8 (approx.)	1365'	N2½°E	--	--
RDH Delta 9	1,250.4'	N15°06'W	11,207.2	9,674.4
RDH Delta 10	1,041.6'	N 9°41'W	11,027.8	9,824.8
RDH Delta 11	1,260.9'	N23°54'W	11,152.7	9,489.0
RDH Delta 13	1,051.6'	N 4°59'E	11,047.5	10,091.5
RDH Delta 14	1,433.3'	N 9°55'W	11,412.0	9,753.3
1x1 IP stake at 8SE on Line B. (on dump)	1,275.2'	N24°57'W	11,156.2	9,462.0
GP Line Sta. 3W	1,230.1'	N12°42'W	11,200.2	9,729.5
GP Line Sta. 5W	1,203.9'	N21°45'W	11,118.2	9,553.7
GP Line Sta. 2E	1,422.0'	N 7°18'E	11,410.6	10,180.6
Cor. Calcite 1-2-3-4	1,191.4'	N11°49'W	11,166.2	9,756.1
Hub--true cor. Delta 51-52 and zero new Delta geochem grid	1,200.0'	N 0°03'W	11,200.0	9,998.9
1.5E Delta grid base	1,206.7'	N 6°44'E	11,198.4	10,141.4
0.5W Delta grid base	1,198.7'	N 2°24'W	11,198.1	9,949.8
Sta. TP 1	1,246.5'	N 9°19'E	11,230.1	10.201.8
Sta. TP 2	1,378.1'	N25°58'E	11,239.0	10,603.3
Sta. TP 3	1,782.4'	N42°17'E	11,318.8	11,199.0
Sta. TP 4	1,914.6'	N47°08'E	11,303.2	11,403.5
15.5E Delta grid base	1.942.9'	N52°21'E	11,186.6	11,538.4
Cor. Delta 51-52-151-152	2,002.6'	N48°42'E	11,321.8	11,504.5
IP lath sta. 20SE on Line B16E	1,989,1'	N47°35'E	11,341.6	11,468.5

6000 0086 (0760)

Survey data for I.P eR

TO

FROM AKW

SUBJECT Maps

DATE 4/12/73

MESSAGE

Attached Following Maps

1 set (4) Rustler - Laird Area Drill Holes Maps

1 Sepia Cu Hill showing added 1972 Drill Holes

1 Copy - Cantlon Map of Cu Hill with Drill holes added

1 set (5 sheets) Cu Hill Survey Data

SIGNED Ray

REPLY

None

SIGNED

DATE / /

Rediform® 4S 472

SEND PARTS 1 AND 3 WITH CARBON INTACT - PART 3 WILL BE RETURNED WITH REPLY.

EFFICIENCY® LINE No. 2636

Cu Hill Δ area

4/5/73

1/4 Cor Sec 8-17 = 10,000 N — 10,000 E

	1 From	2 to	Bearing	Dist	Surface Elevation	Drilled Depth	Bottom Elevation	N	E
1	G.P. Sta-0-	1/4 Cor Sec 8-17	S 0°03'E	1325.6	Assumed 5950			11,326	9,999
2		Δ-14	N70°37'W	260	5914	105	5809	11,412	9,754
3		Δ 9	S69°57'W	345	5926	225	5701	11,208	9,675
4		Δ 11	S71°15'W	538	5923	200	5723	11,153	9,490
5		Δ 10	S30°18'W	345	5917	200	5717	11,028	9,825
6		Δ 13	S18°26'E	293	5966	250	5716	11,048	10,092
7		Δ 6	S82°42'W	74	5944	200	5744	11,317	9,926
8		1"x1" IP Flag	S72°29'W	563	5924			11,157	9,462
9		G.P. Sta 5W	S65°01'W	491	5920			11,119	9,554
10		GP Sta 3W	S65°02'W	297	5917			11,201	9,730
11		GP Sta 2E	N64°57'E	201	—			11,411	10,181
12		COR 2/1 Calcite 3/4	S56°42'W	290	5909			11,167	9,757
13		0 5 W Δ Base	S21°02'W	137	5925			11,198	9,950
14		1 5 E Δ Base	S48°16'E	191	5980			11,199	10,142
15		0 0 Δ Base COR Δ 51, 52	S0°03'E	126	5936			11,200	9,999
16		T.P. Δ-1	S64°48'E	224	5989			11,231	10,202
17									
18	TP Δ-1						TPΔ-1 =	11,231	10,202
19		Δ 7	S41°06'E	435	6049	320	5729	10,903	10,483
20		T.P. Δ 2	N88°44'E	402	6001			11,240	10,604
21									
22	T.P. Δ 2						TPΔ2 =	11,240	10,604
23		Δ-7	S18°46'W	354	6049	320	5729	10,905	10,490
24		T.P. Δ 3	N82°22'E	601	5919			11,320	11,200
25		T.P. Δ-4	N85°25'E	803	5900			11,304	11,404
26									
27	T.P. Δ 4						T.P.Δ4 =	11,304	11,404
28		15 5 E Δ Base	S49°10'E	178	5849			11,183	11,539
29		Δ-5	S61°08'E	236	5842	100	5742	11,190	11,611
30		I.P. Line B15E; 20SE	N59°24'E	76	5874			11,343	11,469
31		COR Δ 51-52 151, 152	N79°33'E	103	5862			11,323	11,505

EFFICIENCY® LINE No. 2633

Go Hill Δ area

4/5/73

1/4 Cor Sec. 8-17 = 10,000 N 10,000 E

	From	To	Bearing	Distance	Surface Elevation	Drilled Depth	Bottom Elevation	N	E
1	G.P Sta-0-				Assumed 5950			11,326	9999
2		Δ 16	N31°37'E	275	5981	110	5871	11,560	10,143
3		Δ 8	N30°02'E	76	5937	210	5727	11,392	10,037
4		Δ-6 C	N65°03'W	159	5922	200	5722	11,393	9,855
5		Δ-6B	N76°30'W	112	5937	200	5737	11,352	9,890
6		Δ-6A	S37°06'W	67	5940	200	5740	11,273	9,959
7		Δ-10	S30°34'W	343	5917	200	5717	11,031	9,825
8		T.P. 10	S46°32'W	438	5903			11,025	9,681
9		T.P. 11	N0°03'W	202	5974			11,528	9,999
10									
11	T.P. 10							11,025	9,681
12		Δ-15 D(prox)	S67°52'W	220	5876			10,942	9,477
13		Δ-15C	S55°02'W	200	5876	100	5776	10,910	9,517
14		Δ-15B	S40°35'W	199	5887	200	5687	10,874	9,552
15		Δ-15A	S27°39'W	205	5901	160	5741	10,843	9,586
16		Δ-10 E	S78°17'E	173	5926	130	5796	10,990	9,850
17		Δ-10 A	S79°51'E	177	5926	110	5816	10,994	9,855
18		Δ-10	N88°31'E	143	5917	200	5717	11,029	9,824
19		Δ-10 B	N69°45'E	114	5909	200	5709	11,064	9,788
20		Δ-10C	N42°45'E	104	5906	200	5706	11,101	9,752
21		sprout T.P. Δ C-2	S89°29'W	336	5915?			11,022	9,345
22									
23	T.P. 11							11,523	9,999
24		Δ-16B	N0°54'E	198	5890	250	5640	11,726	10,002
25									
26	Cor Δ 52-53				5883			11,802	9,999
27		Δ-16B	S1°58'E	76	5890			11,726	10,002
28									
29	G.P. Sta-0-	sprout T.P. Δ C-2	S65°02'W	725?	?			11,020	9,342
30									
31									

EFFICIENCY, LINE No. 2333

Data 4/7/73

T AKW, Jr

A JKW

Gu Hill Drill Holes 1972 Assessment Work

	1 From	2 to	3 Horiz ∠	4 Sta Dist	5 Vert ∠	6 Rod	7 Bearing	8 Horiz Dist	9 Vert Dist	Elev Assume
1	G.P. Sta-0-	1/4 Cor 8-17	0°00'				S0°03'E	1325±	GP-0=	5950
2		Δ-16	L 148°20'	278'	+6°21'	5	N31°37'E	275	+ 31	598
3		Δ-8	L 149°55'	78'	-9°43'	5	N30°02'E	76	- 13	5937
4		Δ-6C	R 115°00'	164'	-10°05'	5	N65°03'W	159	- 28'	592
5		Δ-6B	R103°33'	114'	-6°38'	5	N76°30'W	112	-13	593
6		Δ-6A	R37°09'	68'	-8°32'	5	S37°06'W	67	-10'	594
7		Δ-10	R 30°37'	346'	-5°30'	5	S30°34'W	343	-33	591
8		TP-10	R 46°35'	443'	-6°05'	5	S46°32'W	438	- 47	590
9		TP-11	R-L 180°00'	205	+6°41'	5	N0°03'W	202	+ 24	597
10										
11	T.P.-10	G.P. Sta-0-	0°00'	—	—	—	N46°32'E	438	+ 47	585
12		APPROX. LOC. Δ-15D	L 158°40'	223'	-7°07'	5	S67°52'W	220	-27	5876
13		Δ-15C	L 171°30'	203	-6°25'	9°	S55°02'W	200	-27	5870
14		Δ-15B	R 174°03'	200'	-4°36'	5	S40°35'W	199	-16	588
15		Δ-15A	R161°07'	205	-0°31'	5	S27°39'W	205	- 2	590
16		Δ-10E	R 55°11'	176	+7°28'	5	S78°17'E	173	+23	592
17		Δ-10A	R53°37'	180	+7°15'	5	S79°51'E	177	+23	5920
18		Δ-10	R 41°59'	144	+5°41'	5	N88°31'E	143	+14	591
19		Δ-10B	R23°13'	114	+3°00'	5	N69°45'E	114	+ 6	590
20		Δ-10C	L 3°47'	104	-0°	2°	N42°45'E	104	+ 3	5906
21		Sprout T.P. A-C2	L 137°03'	336	+2°00'	5	S39°29'W	336	+ 12	5915
22										
23	T.P. 11 on sec. line	1/4 Cor 8-17	0°00'				S0°03'E			
24		Δ-16B	L 179°03'	234'	-23°00'	5	N0°54'E	198	- 84	589
25										
26										
27										
28	Cor Δ 52-53	T.P. 11	0°00'				S0°03'E		Cor =	5892
29		Δ-16B	L 1°55'	77'	+5°30'	5	S1°59'E	76	+ 7	58
30										
31	G.P. Sta-0-	Sprout T.P. Δ C-2					S65°22'W	725		

EFFICIENCY LINE No. 2333

Data 9/15/71
BKW X
JKW //

Cu Hill Δ area

	1 From	2 To	3 Horiz ∡	4 Sta. Distance	5 Vert ∡	6 Rod	7 Bearing	8 Horiz Dist	9 Vert Dist	Elev.
1	GP Sta-0-	1/4 Cor Sec. 8-17	0°00'	—	—	—	S0°03'E	1325.6	GP-0-	Assumed 5950
2		Δ-14	R 109°26'	265	- 7°50'	5	N 70°37'W	260	- 36	5914
3		Δ-9	R 71°00'	347	- 4°03'	5	S 69°57'W	345	- 24	5926
4		Δ-11	R 71°18'	540	- 2°50'	5	S 71°15'W	538	- 27	5923
5		Δ-10	R 30°21'	348	- 5°25'	5	S 30°18'W	345	- 33	5917
6		Δ-13	L 18°23'	294	+ 3°12'	5	S 18°26'E	293	+16	5966
7		Δ-6	R 82°45'	74	- 4°30'	5	S 82°42'W	74	- 6	5944
8		1x1 IP Flag	R 72°32'	564	- 2°40'	5	S 72°29'W	563	-26	5924
9		GP 5W	R 65°04'	493	- 3°30'	5	S 65°01'W	491	-30	5920
10		GP 3W	R 65°05'	301	- 6°25'	5	S 65°02'W	297	- 33	5917
11		GP 2E	L 115°00'	Tape 200?	—	—	N 64°57'E	201	—	—
12		Cor. Calcite 211/314	R 56°45'	296	- 8°05'	5	S 56°42'W	290	- 41	5999
13		0° W Δ Base	R 21°05'	141	- 10°12'	5	S 21°02'W	137	- 25	5925
14		1° E "	L 48°13'	196	+ 8°55'	5	S 48°16'E	191	+ 30	5930
15		0° Δ Base Cor Δ 51,52	0°00'	127	- 6°12'	5	S 0°03'E	126	-14	5936
16		T.P. Δ1	L 64°45'	231	+ 9°47'	5	S 64°48'E	224	+ 39	5989
17										
18										
19	T.P. Δ 1	GP Sta-0-	0°00'				N 64°48'W		TPΔ1=	5989
20		Δ-7	L 156°18'	443	+ 7°52'	5	S 41°06'E	435	+ 60	6049
21		T.P. Δ 2	R 153°32'	402	+ 1°45'	5	N 88°44'E	402	+12	6001
22										
23										
24	T.P. Δ 2	TP Δ 1	0°00'				S 88°44'W		TPΔ2=	6001
25		Δ 7	L 69°58'	360	+ 7°45'	6	S 18°46'W	354	+ 48	6049
26		T.P. Δ 3	R 173°38'	612	- 7°45'	5	N 82°22'E	601	- 82	5919
27		TP Δ 4	R 176°41'	815	- 7°03'	7	N 85°25'E	803	- 101	5900
28										
29										
30										
31										

EFFICIENCY LINE No. 2633

Data 9/15/71
Page 2

Co Hill Δ Area

	1 From	2 To	Horiz ∡	4 Sta Dist	Vert ∡	3 Rod	Bearing	5 Horiz Dist	6 Vert Dist	Elev
1										
2	TPΔ4	TPΔ2	0°00	—	—	—	S 85°25'W		TPΔ4 =	5900
3		TPΔ3	R 8°48'	—	—	—	N 85°47'W	—	—	—
4		15E Δ-Base	L 134°35'	193	-16°00'	5	S 49°10'E	173	-51	5849
5		Δ5	L 146°33'	250	-13°42'	5	S 61°08'E	236	-58	5842
6		IP Line 816E, 205E	R 153°59'	84	-19°25'	5	N 59°24'E	76	-26	5874
7		Cor. Δ 51-52-151-152	R 174°09'	117	-20°24'	5	N 79°33'E	103	-38	5862
8										
9										
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WLW

NOTATIONS AND TABULATION OF COORDINATES FOR DELTA SERIES ROTARY DRILL HOLES AND OTHER PERTINENT POINTS. COPPER HILL AREA, CALCITE AND DELTA CLAIMS.

BASIS OF COORDINATES--¼ corner between sections 8 and 17, T11N, R30E, MDM (concurrent point with SW corner of Delta 50 claim) = 10,000'N and 10,000'E

and Supplemental sheet showing distances and bearings from Geophysical (GP) Line Sta. zero and coordinates based on this point as 10,000'N and 10,000'E. This basis may be convenient for localized survey work and plotting.

BASIS OF BEARINGS--Sprout Engineers survey of WRIR boundary line between the south and north quarter corners of section 8. This line runs N0°03'W.

True western corners of the Delta 50-59 claims along said boundary line were set by Sprout concurrent with the above survey and are set at exactly 600' apart.

The GP Line Sta. zero was surveyed accurately, however, most other points listed were from stadia surveys. Therefore, in the coordinates listed, the figure after the decimal is spurious and could be rounded.

Side centers and east end corners of the Delta 50-59 claims were set by Sprout Engineers from stadia survey. Beginning at the south ¼ corner of sec. 8, they traversed N89°57'E 750' (stadia) to the SSC Delta 50, thence N0°03'W 6,000' (stadia) to the NSC Delta 59, thence N89°57'E 750' (stadia) to the NE corner Delta 59, thence S0°03'E 6,000' (stadia) to the SE corner Delta 50. This survey was apparently not closed so that they had no check on accuracy. On each of the 6,000' courses above, they set points each 600'(stadia) for appropriate side center and corner monuments

The only point of this stadia survey that has been checked is the NE corner Delta 51, SE corner Delta 52. This corner appears to be set some 120' north from where it would be set by accurate survey. This discrepancy was noted some years ago and again during 1971, when a newly oriented base line for geochemical survey over the Delta claim area was being established. Subsequently, while making

SPEED MESSAGE

TO WIW

FROM AKWjr

SUBJECT Location of Delta 10 drill hole, etc

DATE Jan 24, 1972 19

Bill: Attached are copies of the tabulation of survey data and coordinates of the Delta series of rotary drill holes and other points so far surveyed at Copper Hill.

SIGNED

GrayLine "SNAP-A-WAY" FORM 44-900 2-PARTS
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868

DELTA, CALCITE & MISC. COPPER HILL POINTS AND
DELTA SERIES ROTARY DRILL HOLE LOCATIONS

Basis of Coordinates--GP Line Sta. -0- = 10,000.0N and 10,000.0E

Designation	From GP line zero DISTANCE	BEARING	Coordinates NORTH	EAST
Geophysical survey (GP) line-zero-	-0-	-0-	10,000.0	10,000.0
RDH Delta 5	1,617.2'	S85°10'E	9,863.8	11,611.4
RDH Delta 6	73.5'	S82°42'W	9,990.7	9,927.1
RDH Delta 7	646.9'	S49°14'E	9,577.7	10,489.9
RDH Delta 8 (approx.)	70'	N52°E	--	--
RDH Delta 9	345.3'	S69°57'W	9,881.6	9,675.6
RDH Delta 10	344.9'	S30°18'W	9,702.2	9,826.0
RDH Delta 11	538.4'	S71°15'W	9,827.1	9,490.2
RDH Delta 13	293.1'	S18°26'E	9,721.9	10,092.7
RDH Delta 14	260.2'	N70°37'W	10,086.4	9,754.5
1"x1" IP flag at 8SE on Line B. (on dump)	562.9'	S72°29'W	9,830.6	9,463.2
GP Line Sta. 5W	491.0'	S65°01'W	9,792.6	9,554.9
GP Line Sta. 3W	297.1'	S65°02'W	9,874.6	9,730.7
GP Line Sta. 2E	200.7'	N64°57'E	10,085.0	10,181.8
Corner-Calcite 1-2-3-4	290.4'	S56°42'W	9,840.6	9,757.3
Hub-true cor Delta 51-52 -0-new Delta geochem grid pattern	125.6'	S00°03'E	9,874.4	10,000.1
1.5E Delta grid	191.1'	S48°16'E	9,872.8	10,142.6

LOCATION OF DRILL HOLES DELTA-9, 10, 11, 13, 14

Based on points plotted on map by Ward Carithers.

From: Common corner Calcite 1, 2, 3, 4

to Hole #	Distance	Bearing	Depth
Delta-9	105'	N61W	225'
Delta-10	150'	S22E	200'
Delta-11	290'	S87W	200'
Delta-13	345'	S70W	250'
Delta-14	250'	North	105'

From: NW Cor Delta 51, SW Cor Delta 52

Delta-9	325'	N88W	225'
Delta-10	250'	S45W	200'
Delta-11	530'	S84W	200'
Delta-13	180'	S32E	250'
Delta-14	320'	N49W	105'

From: IP lines plotted on Carithers maps and locations of holes plotted relative to IP lines. Distances and bearings above scaled from these plots.

For information: Geophysical line zero is on WRIR boundary line, 1325.6' north of quarter corner of Sec 8, 17. Bearing of GP line (Sprout) is S 64°56'10" W.

IP Line "B" crosses GP line at 5.40 W, zero, and this point would be IP sta. 8.76 SE.

The bearing of the IP lines is very close to N 42°06'W

September 3, 1971

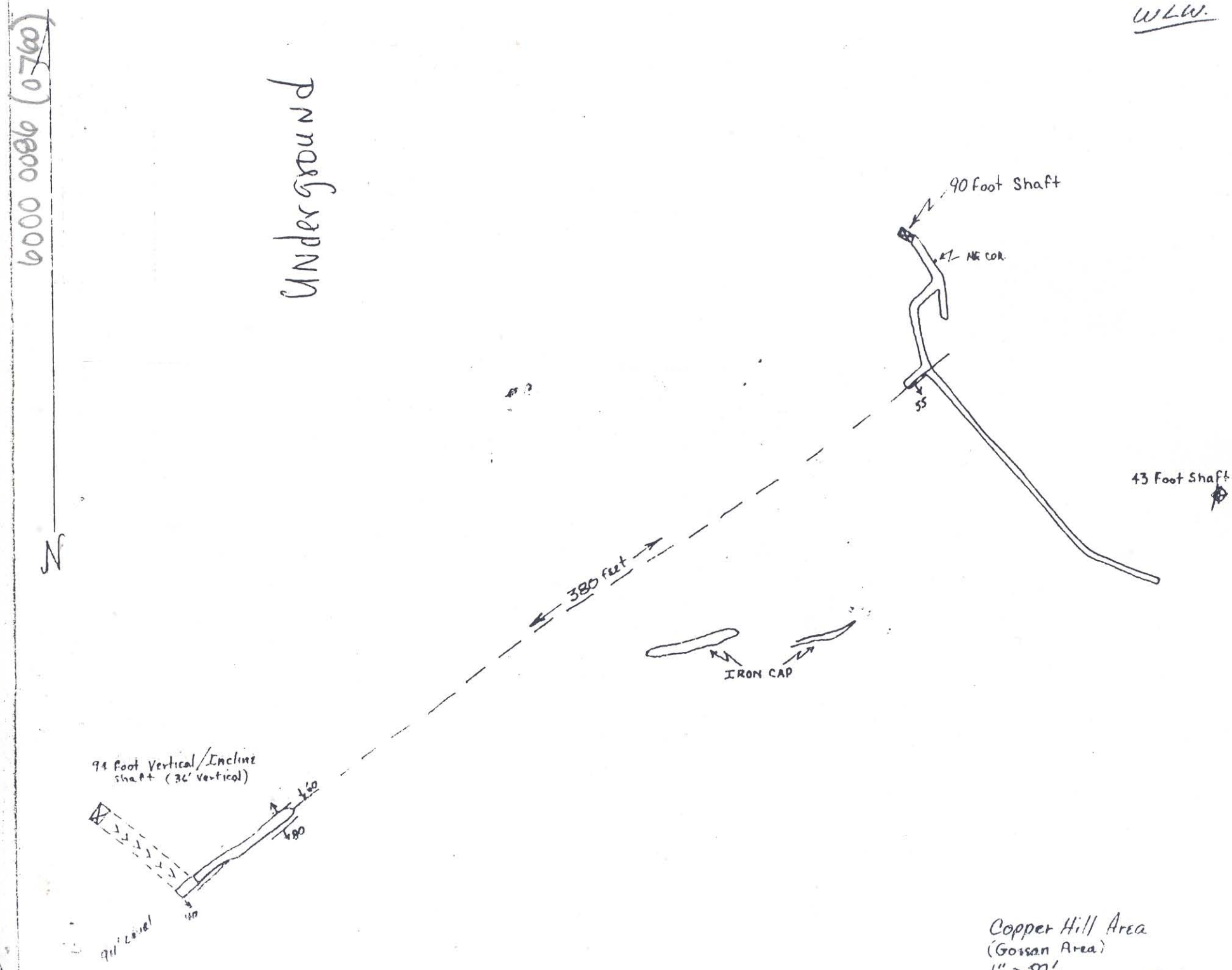
APPROXIMATE LOCATION OF DRILL HOLES

DELTA- 9, 10, 11, 13 & 14

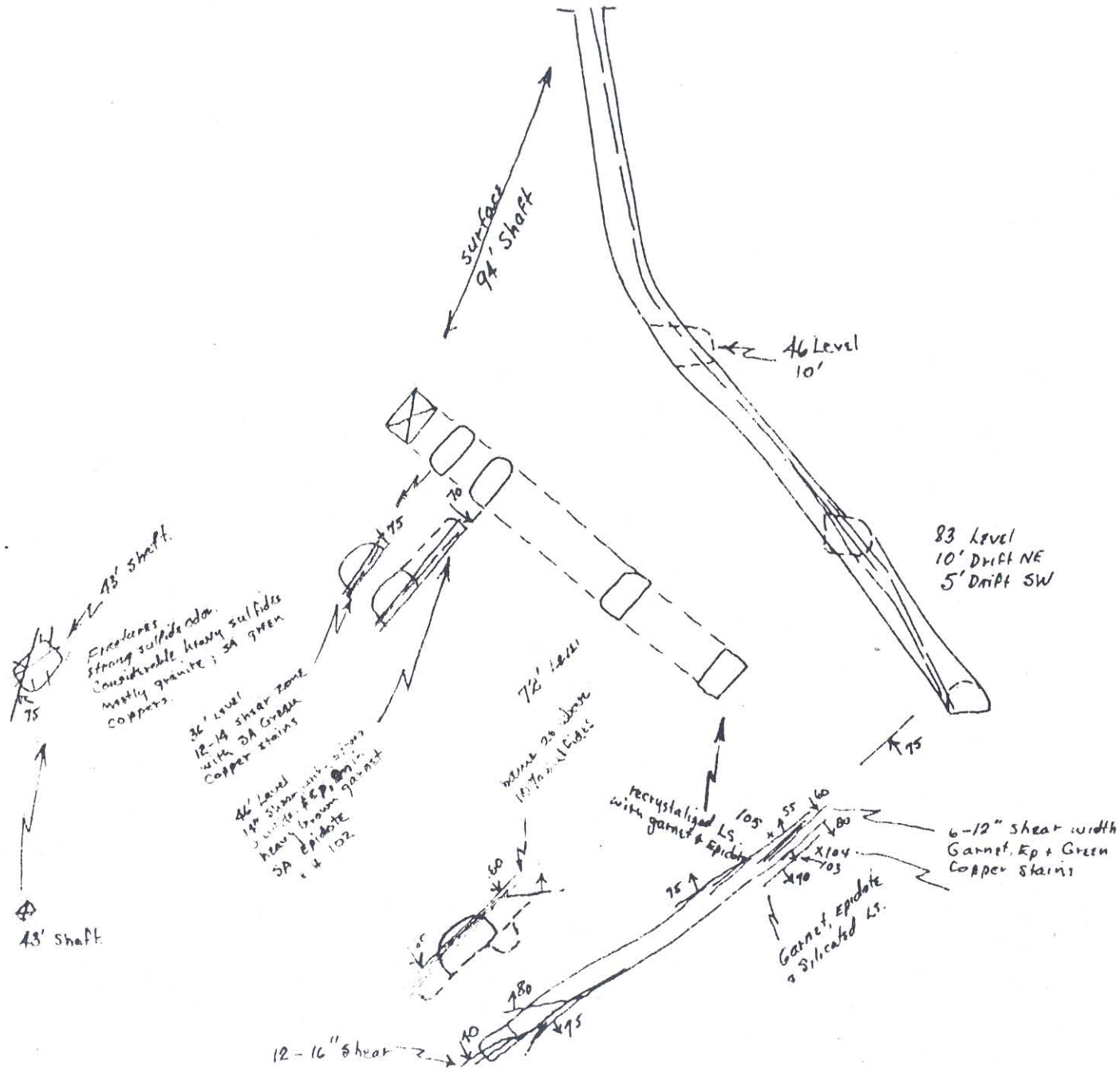
COPPER HILL AREA DRILLED: Aug. 20-24, 1971

Hole #	Location	Total Depth
Delta-9	IP sta B2E, 9.0SE	225'
Delta-10	20' N of IP sta B2E, 11.5 SE	200'
Delta-11	IP sta B, ± 8.2 SE	200'
Delta-13	IP sta B4E, 13.1 SE	250'
Delta-14	18' S30W from IP sta B4E, 8.0 SE	105'
	Total footage	980'

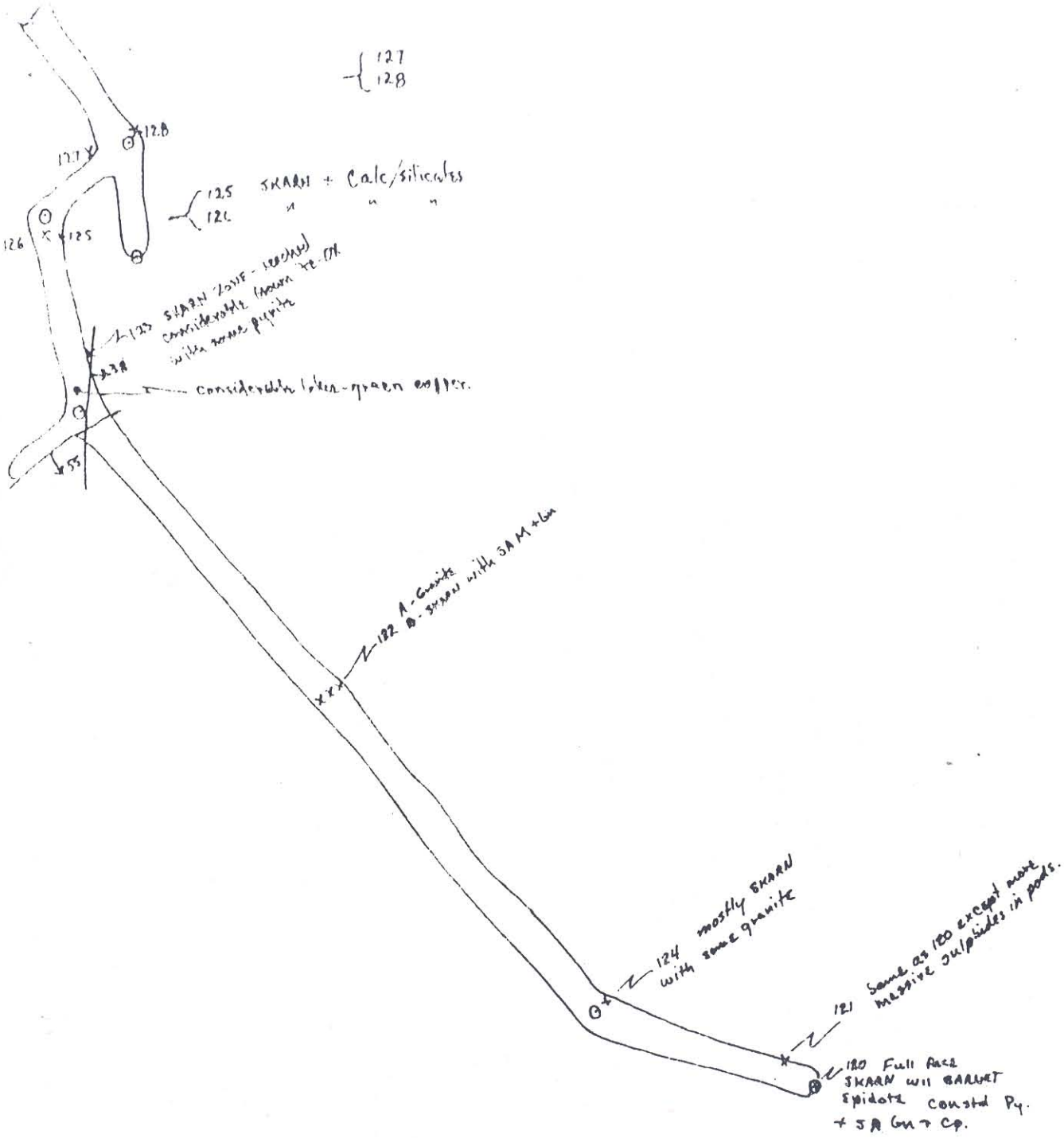
WLW.



Copper Hill Area
(Gossan Area)
1" = 50'.
E.L., A.M., J.Y., WLW., 2/18/65

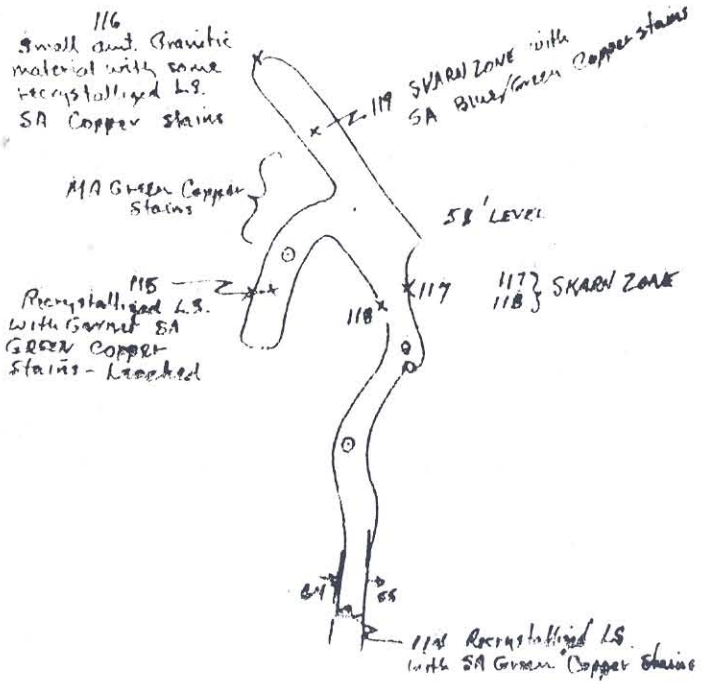


Copper Hill Area
1" = 20'
2/18/65
94' Vertical/incline Shaft



N

Copper Hill Area
(Gossan Area)
90' Shaft
1" = 20'
2/18/65 E.L., A.M., S.V., U.L.W



Copper Hill Area
91' Shaft.
1" = 20'
2/18/65
E.L.A.M.

N

6000 0086 (0760)

ROCKY MOUNTAIN GEOCHEMICAL CORP.

840 GREG STREET • SPARKS-RENO, NEVADA 89431 • PHONE: (702) 359-6311

RENO OFFICE

Certificate of Analysis

Cu Hill

RMGC Numbers:

Local Job No.: 73-17-11R

Foreign Job No.:

Invoice No.: 7039

Date: July 18, 1973

Client: Idaho Mining Corporation
P. O. Box 2183
Grand Junction, Colorado

Client Order No.: None

Report On: 36 drill cuttings

Submitted by: John H. Volgamore

Date Received: July 10, 1973

Analysis: Copper and Molybdenum

Analytical Methods: Molybdenum analysis is determined colorimetrically.
Copper analysis is determined by atomic absorption.

Remarks: None

cc: Enclosed
Idaho Mining - Reno
RMGC
File

GMF:cj

ASSAY data
Rotary CUTTINGS

All values are reported in parts per million unless specified otherwise. A minus sign (—) is to be read "less than" and a plus sign (+) "greater than." Values in parenthesis are estimates. This analytical report is the confidential property of the above mentioned client and for the protection of this client and ourselves we reserve the right to forbid publication or reproduction of this report or any part thereof without written permission.

ND = None Detected 1 ppm = 0.0001% 1 Troy oz./ton = 34.286 ppm 1 ppm = 0.0292 Troy oz./ton

Client Idaho Mining Corporation Date July 18, 1973 RMGC Job No. 73-17-11R

Sample No.	ppm Copper	ppm Molybdenum
15-A-11	120	1
12	40	-1
13	45	1
14	60	-1
15	15	-1
15-A-16	15	-1
15-B- 1	310	1
2	320	-1
3	300	-1
4	80	-1
5	85	1
6	55	-1
7	450	-1
8	200	-1
9	120	-1
10	95	1
11	190	-1
12	45	1
13	20	-1
14	35	-1
15	175	-1
16	155	3
17	100	2
18	65	21
15-B-19	325	10

Client Idaho Mining Corporation Date July 18, 1973 RMGC Job No. 73-17-11R

Sample No.	ppm Copper	ppm Molybdenum
15-B-20	340	12
15-C- 1	235	-1
2	110	-1
3	75	-1
4	125	-1
5	70	3
6	50	-1
7	75	-1
8	90	3
9	95	1
15-C-10	85	1

By Gary M. Fechko

Gary M. Fechko

Rocky Mountain Geochemical Corporation
Reno-Sparks, Nevada July 18, 1973

Cu Hill Wildhorse, Boulder Q H

ROCKY MOUNTAIN GEOCHEMICAL CORP.

840 GREG STREET · SPARKS-RENO, NEVADA 89431 · PHONE: (702) 359-6311

RENO OFFICE

Certificate of Analysis

RMGC Numbers:
Local Job No.: 74-20-42R
Foreign Job No.:
Invoice No.: 8941

Date: July 27, 1974

Client: Idaho Mining Corporation
P. O. Box 2183
Grand Junction, Colorado

Client Order No.: None

Report On: 96 rock and cutting samples and 17 composite samples

Submitted by: Ward Carithers

Date Received: July 18, 1974

Analysis: Copper, Molybdenum, Lead, Zinc, Gold, and Silver

Analytical Methods: Molybdenum analysis is determined colorimetrically. All other analyses are determined by atomic absorption.

Remarks: None

cc: Enclosed
Idaho Mining--Reno
W. Carithers
RMGC
File

GMF:sp

All values are reported in parts per million unless specified otherwise. A minus sign (—) is to be read "less than" and a plus sign (+) "greater than." Values in parenthesis are estimates. This analytical report is the confidential property of the above mentioned client and for the protection of this client and ourselves we reserve the right to forbid publication or reproduction of this report or any part thereof without written permission.

ND = None Detected 1 ppm = 0.0001% 1 Troy oz./ton = 34.286 ppm 1 ppm = 0.0292 Troy oz./ton

Client Idaho Mining Corp. Date July 27, 1974 RMGC Job No. 74-20-42R

Sample No.	ppm Copper	ppm Molybdenum	ppm Lead	ppm Zinc	ppm Gold	ppm Silver
PH 7427					0.1	-1
28					-0.1	4
29					0.3	1
30					1.4	2
31					-0.1	-1
PH 7432					0.1	-1
QH 101/6					-0.1	1
QH 104/6					0.8	3
WH 7401	20	4	40	80	-0.1	1
02	0.40%	4	20	50	0.7	9
03	30	3	10	25	-0.1	-1
04	200	28	0.80%	1.30%	0.1	21
05	35	3	70	225	-0.1	1
WH 7406	5	10	20	5	-0.1	2
28 3/3	25	3				
3/6	125	6				
3/9	30	5				
3/12	35	5				
3/15	35	13				
3/18	20	11				
3/21	60	6				
3/22.8	15	10				
4/3	20	3				
28 4/5	20	10				

Wilkins

50' S of cor
close to
cor of
-12,34

Client Idaho Mining Corp. Date July 27, 1974 RMGC Job No. 74-20-42R

Sample No.	ppm Copper	ppm Molybdenum	ppm Lead	ppm Zinc	ppm Gold	ppm Silver
28 4/7	15	26				
4/9	10	11				
28 4/11	25	26				
126 1/4	20	2				
1/7	15	-1				
1/10	5	-1				
1/13	5	-1				
1/16	30	2				
1/19	275	3				
1/22	210	1				
126 1/24	45	2				
128 1/5	20	2				
1/8	20	1				
1/11	35	26				
1/13	15	45				
128 1/15	15	8				
D 17/3	20	4				
17/6	10	1				
17/9	90	2				
17/12	200	5				
17/15	130	6				
17/18	230	17				
17/21	165	5				
D 17/24	325	6				

cu tell

Client Idaho Mining Corp. Date July 27, 1974 RMGC Job No. 74-20-42R

Sample No.	ppm Copper	ppm Molybdenum	ppm Lead	ppm Zinc	ppm Gold	ppm Silver
D 17/27	280	2				
17/28.2	365	3				
19/4	110	-1				
19/7	120	5				
19/11	185	13				
19/13	330	15				
19/16	490	22				
19/19	510	11				
19/22	435	16				
19/25	450	38				
D 19/27	410	76				
CH 7402	735	28				
CH 7403	640	16				
D 18/2	105	55				
4	160	38				
6	205	62				
8	270	93				
10	210	55				
12	165	30				
14	150	25				
16	300	16				
17	0.13%	52				
18	635	19				
D 18/19	315	28				

Cu Hill

Cu Hill

Client Idaho Mining Corp. Date July 27, 1974 RMGC Job No. 74-20-42R

Sample No.	ppm Copper	ppm Molybdenum	ppm Lead	ppm Zinc	ppm Gold	ppm Silver
D 18/20	0.16%	11				
21	0.46%	62				
22	505	20				
23	515	15				
24	365	32				
25	475	19				
26	440	32				
27	360	36				
28	255	19				
29	260	35				
30	205	29				
D 18/30.5	215	17				
D 22/6	40	4				
8	50	3				
10	60	1				
12	45	2				
14	45	1				
14a	320	3				
17	55	-1				
18	85	1				
20	390	23				
21	500	13				
22	70	1				
D 22/22a	180	11				

Cu Hill

Cu Hill

Client Idaho Mining Corp. Date July 27, 1974 RMGC Job No. 74-20-42R

COMPOSITES

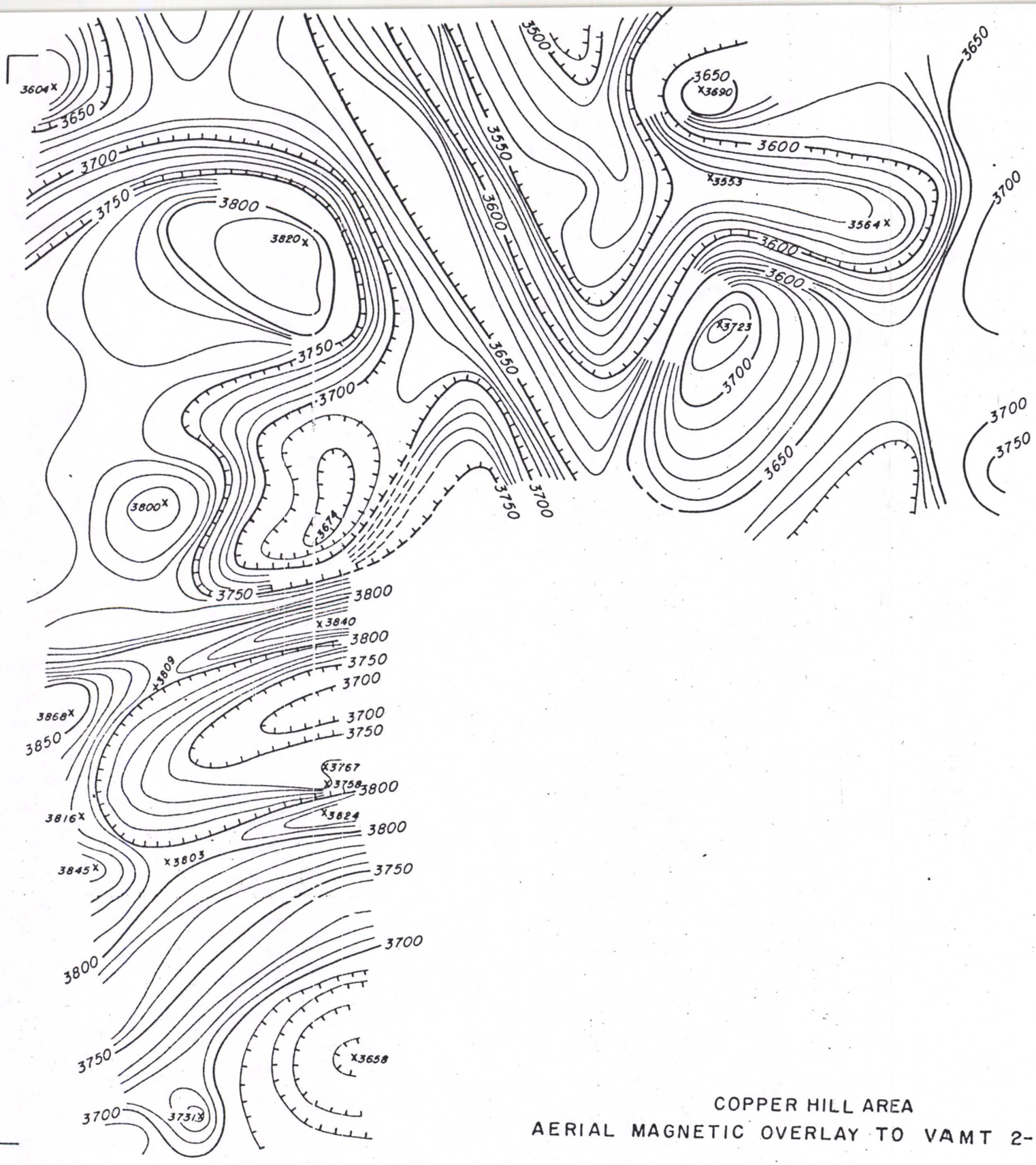
Sample No.	ppm Lead	ppm Zinc	ppm Gold	ppm Silver
28 3/3-3/9			-0.1	1
28 3/12-3/18			-0.1	2
28 3/21-3/22.8			-0.1	2
28 4/5-4/7			-0.1	1
28 4/9-4/11			-0.1	1
126 1/4-1/10			-0.1	-1
126 1/13-1/19			-0.1	-1
126 1/22-1/24			-0.1	1
128 1/5-1/8			-0.1	-1
128 1/11			-0.1	-1
128 1/13-1/15			-0.1	1
D 18/2-18/10	50	95	-0.1	-1
D 18/12-18/16	60	90	-0.1	-1
D 18/17-18/19	90	140	-0.1	1
D 18/20-18/22	100	325	-0.1	3
D 18/23-18/26	50	140	-0.1	-1
D 18/27-18/30.5	30	105	-0.1	-1

Cu Pb

By [signature]

Gary M. Fechko

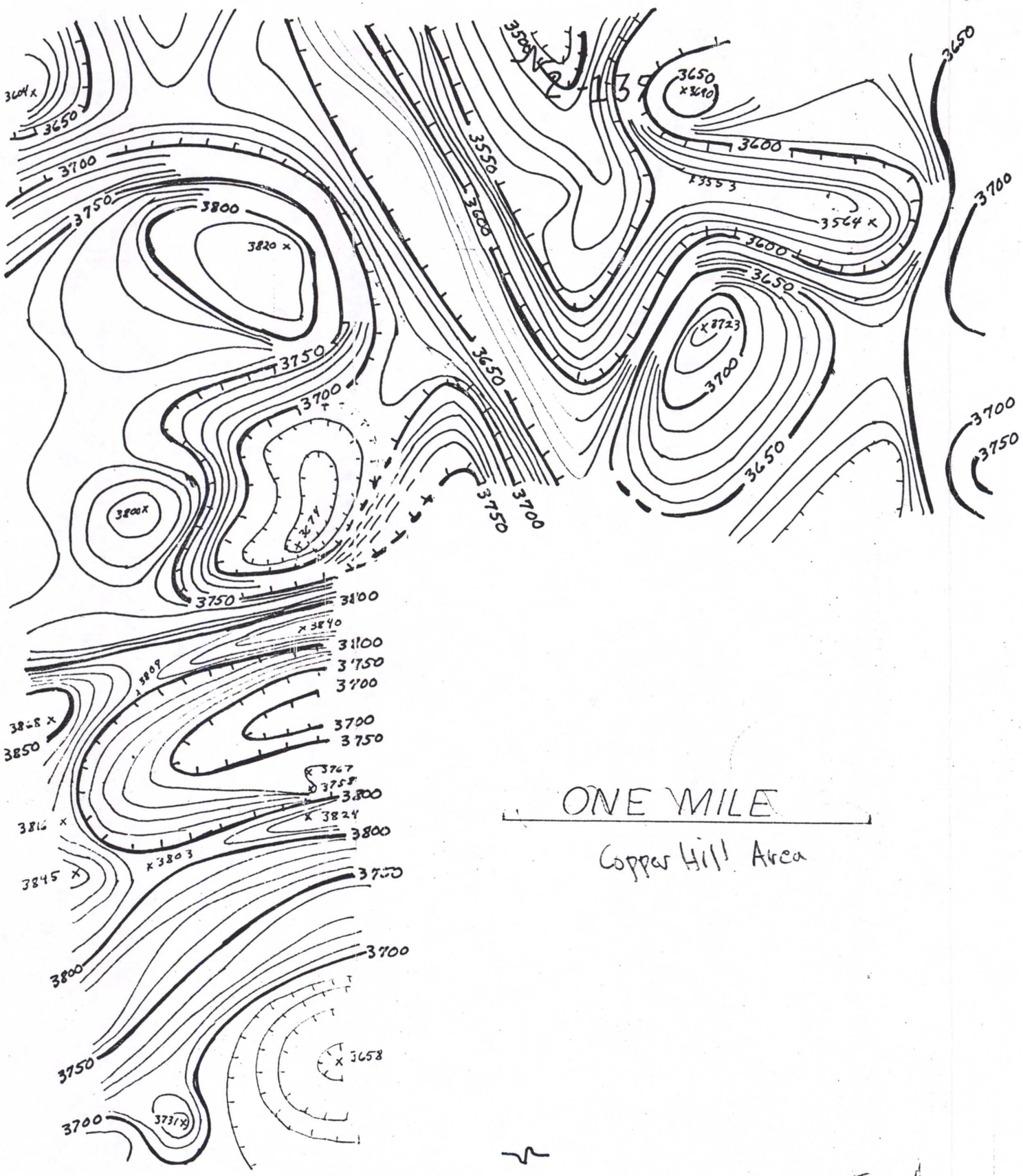
Rocky Mountain Geochemical Corporation
Sparks, Nevada July 27, 1974



COPPER HILL AREA
AERIAL MAGNETIC OVERLAY TO VAMT 2-137

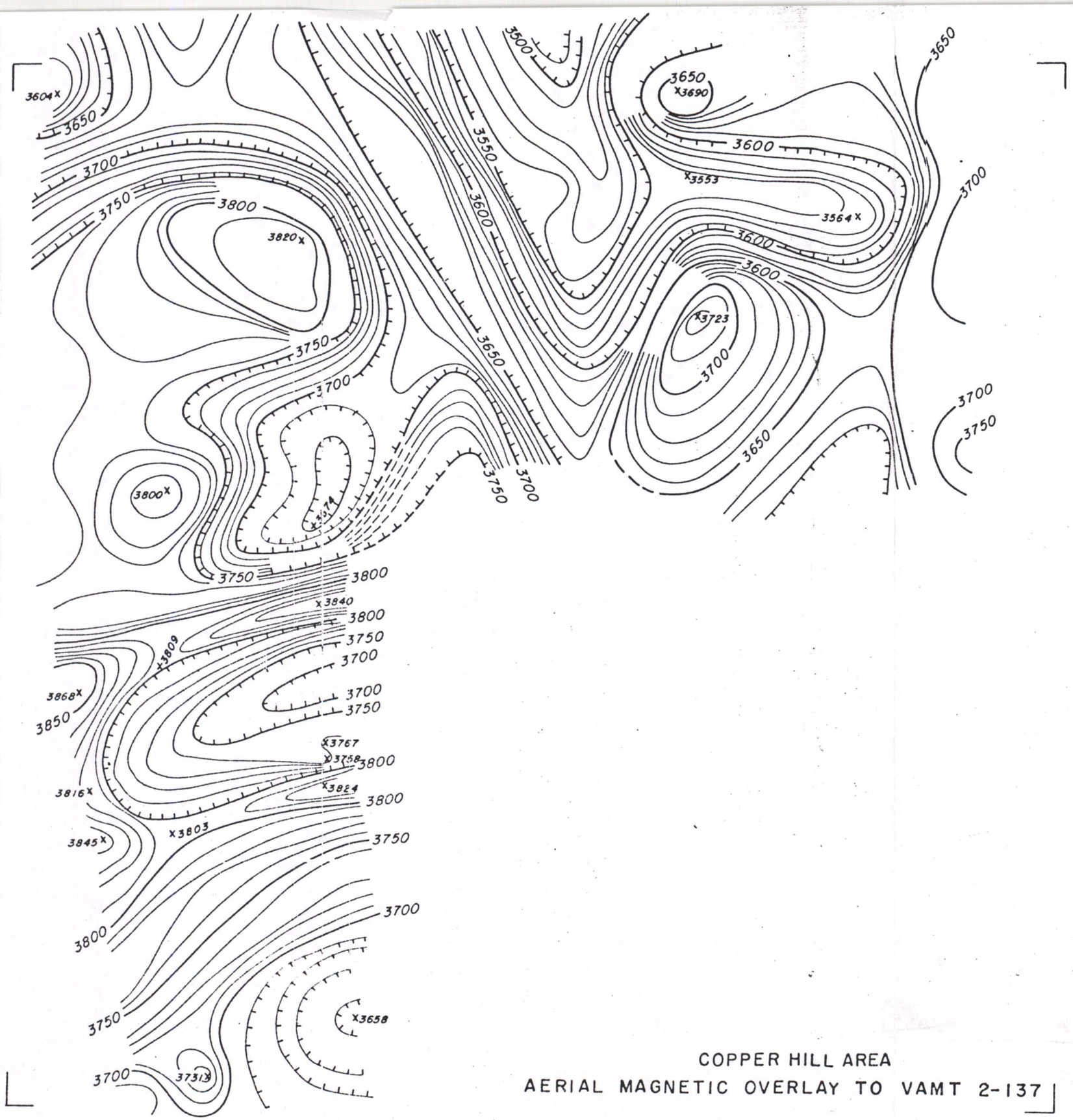
6000 0086 (0760)

6000 0086 (0760)



Aerial Magnetic overlay

2-137



COPPER HILL AREA

AERIAL MAGNETIC OVERLAY TO VAMT 2-137

6000 0086 (0760)