CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
416 W. Congress St., Suite 100
Tucson, Arizona 85701
602-771-1601
http://www.azgs.az.gov
inquiries@azgs.az.gov

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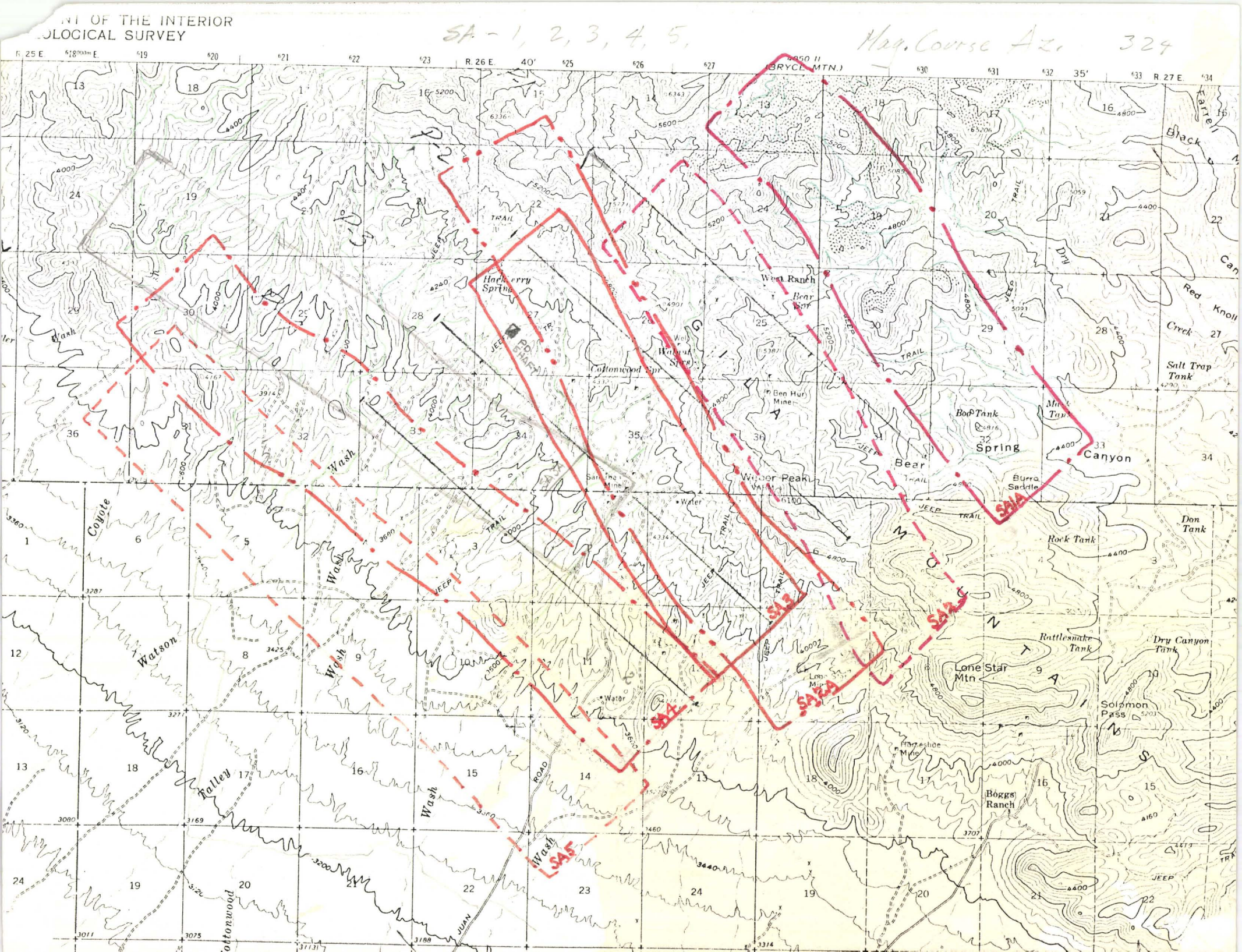
...NT OF THE INTERIOR
...OLOGICAL SURVEY



NT OF THE INTERIOR
OLOGICAL SURVEY
SA - 1, 2, 3, 4, 5,
Mag. Course Az. 324
R. 25 E.
R. 26 E.
R. 27 E.
(BRYCE MTN.)
Hackberry Spring
PO SHAFT
West Ranch
Bear Spr
Cottonwood Spr
Ben Hur Mine
Weber Peak
Bear
Spring
Canyon
Burro Saddle
Rock Tank
Don Tank
Salt Trap Tank
Red Knoll
Black
Farrell
Dry
Creek
Rattlesnake Tank
Dry Canyon Tank
Lone Star Mtn
Solomon Pass
Horseshoe Mine
Boggs Ranch
Coyote
Watson
Talley
Cottonwood
Wash
JEEP TRAIL
JUAN ROAD
SA1A
SA2
SA2A
SA3
SA4
SA5

RECORD OF SAMPLE TRANSMITTAL

JOB NO. 42055

RECEIVED
AUG 5 1971
SKYLINE LABS, INC.
BY

Samples Sent to:

SKYLINE LABS, INC.
12090 W. 50TH PLACE
WHEAT RIDGE (DENVER), COLORADO 80033
TEL.: (303) 424-7718

Samples Submitted By: Francis X. Cannaday
Nuclear Dynamics, Inc.
P. O. Box 20766
Phoenix, Arizona 85036

(Report and invoice in duplicate will be sent to above address unless otherwise instructed)

SHIPMENT NO.:
DATE SHIPPED:
SHIPPED VIA: P. P.
NO. OF CARTONS:
NO. OF SAMPLES: 46

Send Duplicate Report(s) of Analysis to:
(or Special Instructions:)

LIST SAMPLE NOS.	DESCRIBE MATERIAL	DESCRIBE SAMPLE PREPARATION DESIRED	CHECK FOR 31 ELEMENT SPEC SCAN	LIST ELEMENTS TO BE DETERMINED	TYPE OF ANALYSIS	
					GEOCHEM.	QUANT.
BH-3-11, thru BH-3-43, BH-4-1 thru BH-4-13	Rock chip	Crush, split as necessary, & pulverize		Cu,Zn,Mo		

(Use Continuation Sheet If Necessary)

INSTRUCTIONS:

Pack securely, use strong containers.

Bus package express (weight limit 100 lbs. per carton) or air freight recommended for heavy or bulky packages.

Enclose yellow copy with samples, send white copy by mail, keep pink copy. White copy will be returned to shipper as an acknowledgement that shipment has been received.

Indicate desired disposition of:	Bulk	Pulp
Return at customer's expense via:	X	X Phoenix
Retain pending instructions		
Discard		

B-H Area.
Safford - Ariz
July 28, 71

BIOGEOCHEMICAL SURVEY

By L. W. DANIEL

Box 322, Prescott, Arizona 86301

Zn

SAMPLE NO.	LOCATION	Mo. P.P.M.	Cu. P.P.M.	Sc. P.P.M.		
1-1		-2	sky 100 110	sky 45 38	✓	
1-2		-2	10	73		
1-3		-2	15 13	250 185	✓	
1-4		-2	15 16	500 405	✓	
1-5		-2	8	80		
1-6		-2	5 10	130 128	✓	
1-7		-2	8	67		
1-8		-2	8	57		
1A-8		-2	15 20	355 260	✓	
2-1		-2	15 20	135 130	✓	
2-2		-2	8	182		
2-3		-2	13	93		
2-4		-2	8	110		
2-5		-2	10	92		
2-6		-2	5 10	195 167	✓	
2-7		-2	8	75		
2-8		-2	10	130		
2-9		-2	13	85		
2-10		-2	8	95		
2-11		-2	15 55	185 60	✓	
2-12		-2	8	62		
2-13		-2	13	93		
2-14		-2	10	70		
2-15		-2	20	53		
2-16		-2	23	62		
2-17		-2	230	158		
2-18		-2	20	83		
2-19		-2	13	73		
2-20		-2	35	78		
2-21		-2	10 16	365 265	✓	
2-22		-2	78	62		
3-1		-2	23	118		
3-2		-2	10	110		
3-3		-2	420	155		
3-4		-2	10 8	165 150	✓	

BIOGEOCHEMICAL SURVEY

By L. W. DANIEL

Box 322, Prescott, Arizona 86301

SAMPLE NO.	LOCATION	Mo. P.P.M.	Cu. P.P.M.	Se. P.P.M.		
3-5						
3-6		-2	10	90		
3-7		-2	30	67		
3-8		-2	20	68		
3-9		-2	70	65		
3-10		-2	50 16	70 158	✓	

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

REPORT OF ANALYSIS

Job No. 42054
August 11, 1971

Nuclear Dynamics, Incorporated
P. O. Box 20766
Phoenix, Arizona 85036

Attention: Francis X. Cannaday

11 Pulp samples

Item	Sample No.	Ag (ppm)	Cu (ppm)	Zn (ppm)	Mo (ppm)
1.	BH-1 - 1	.8	100	45	2
2.	3	<.2	10	250	2
3.	4	<.2	15	500	2
4.	BH-1 - 6	<.2	5	130	2
5.	BH-1A- 8	<.2	15	355	2
6.	BH-2 - 1	<.2	15	135	2
7.	6	<.2	5	195	2
8.	11	<.2	15	185	2
9.	BH-2 -21	<.2	10	365	2
10.	BH-3 - 4	<.2	10	165	2
11.	BH-3 -10	<.2	50	70	2

Charles E. Thompson
Chief Chemist

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

REPORT OF ANALYSIS

Job No. 42054
August 11, 1971

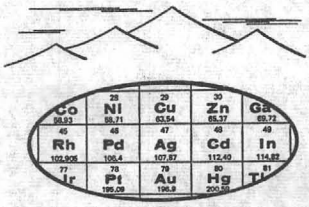
Nuclear Dynamics, Incorporated
P. O. Box 20766
Phoenix, Arizona 85036

Attention: Francis X. Cannaday

11 Pulp samples

Item	Sample No.	Ag (ppm)	Cu (ppm)	Zn (ppm)	Mo (ppm)
1.	BH-1 - 1	.8	100	45	2
2.	3	<.2	10	250	2
3.	4	<.2	15	500	2
4.	BH-1 - 6	<.2	5	130	2
5.	BH-1A- 8	<.2	15	355	2
6.	BH-2 - 1	<.2	15	135	2
7.	6	<.2	5	195	2
8.	11	<.2	15	185	2
9.	BH-2 -21	<.2	10	365	2
10.	BH-3 - 4	<.2	10	165	2
11.	BH-3 -10	<.2	50	70	2

Charles E. Thompson
Chief Chemist



SKYLINE LABS, INC.

SPECIALISTS IN GEOCHEMICAL EXPLORATION

12090 WEST 50TH PLACE • WHEAT RIDGE, COLORADO 80033

TEL.: (303) 424-7718

INVOICE

INVOICE NO.: 6122
JOB NO.: 42054
P.O. NO.:

DATE: August 11, 1971

TERMS: NET 30 DAYS

SOLD TO: Nuclear Dynamics, Incorporated
P. O .Box 20766
Phoenix, Arizona 85036

Attention: Francis X. Cannaday

Analysis of 11 Pulp samples

11 Silver @ $1.50	$	16.50
11 Molybdenum @ $1.00	$	11.00
11 Copper and Zinc (single digestion) @ $1.60	$	17.60
Total	$	45.10

INVOICE COPY

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

REPORT OF ANALYSIS

Job No. 42055
August 16, 1971

Nuclear Dynamics, Inc.
P. O. Box 20766
Phoenix, Arizona 85036

Attention: Francis X. Cannaday

46 Rock chip samples

Item	Sample No.	Cu (ppm)	Zn (ppm)	Mo (ppm)
1.	BH 3-11	70	70	2
2.	Ben Hur 12	40	70	2
3.	13	40	60	2
4.	14	45	70	2
5.	15	40	65	2
6.	16	5	20	2
7.	17	5	25	2
8.	18	35	20	2
9.	19	10	35	2
10.	20	10	25	2
11.	21	5	25	2
12.	22	40	75	2
13.	23	40	65	2
14.	24	45	70	2
15.	25	10	35	2
16.	26	5	30	2
17.	27	5	20	2
18.	28	5	30	2
19.	29	25	30	2
20.	30	5	40	2
21.	31	5	35	2
22.	32	10	15	2
23.	33	5	140	2
24.	34	5	25	2
25.	35	5	20	2
26.	36	5	80	2
27.	37	105	1,800	8
28.	38	165	870	4
29.	39	40	85	2
30.	BH 3-40	10	65	2

Item	Sample No.	Cu (ppm)	Zn (ppm)	Mo (ppm)
31.	BH 3-41	5	85	2
32.	42	35	140	2
33.	BH 3-43	10	130	2
34.	BH 4- 1	20	75	2
35.	2	5	70	2
36.	3	5	60	2
37.	4	5	35	2
38.	5	10	45	2
39.	6	50	75	2
40.	7	10	150	2
41.	8	10	60	2
42.	9	15	100	2
43.	10	5	30	2
44.	11	10	50	2
45.	12	25	80	2
46.	BH 4-13	120	40	2

Charles E. Thompson
Chief Chemist

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

REPORT OF ANALYSIS

Job No. 42055
August 16, 1971

Nuclear Dynamics, Inc.
P. O. Box 20766
Phoenix, Arizona 85036

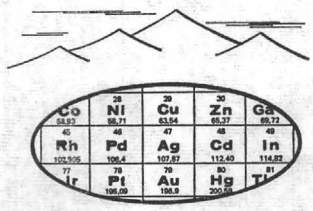
Attention: Francis X. Cannaday

46 Rock chip samples

Item	Sample No.	Cu (ppm)	Zn (ppm)	Mo (ppm)
1.	BH 3-11	70	70	2
2.	12	40	70	2
3.	13	40	60	2
4.	14	45	70	2
5.	15	40	65	2
6.	16	5	20	2
7.	17	5	25	2
8.	18	35	20	2
9.	19	10	35	2
10.	20	10	25	2
11.	21	5	25	2
12.	22	40	75	2
13.	23	40	65	2
14.	24	45	70	2
15.	25	10	35	2
16.	26	5	30	2
17.	27	5	20	2
18.	28	5	30	2
19.	29	25	30	2
20.	30	5	40	2
21.	31	5	35	2
22.	32	10	15	2
23.	33	5	140	2
24.	34	5	25	2
25.	35	5	20	2
26.	36	5	80	2
27.	37	105	1,800	8
28.	38	165	870	4
29.	39	40	85	2
30.	BH 3-40	10	65	2

Item	Sample No.	Cu (ppm)	Zn (ppm)	Mo (ppm)
31.	BH 3-41	5	85	2
32.	42	35	140	2
33.	BH 3-43	10	130	2
34.	BH 4- 1	20	75	2
35.	2	5	70	2
36.	3	5	60	2
37.	4	5	35	2
38.	5	10	45	2
39.	6	50	75	2
40.	7	10	150	2
41.	8	10	60	2
42.	9	15	100	2
43.	10	5	30	2
44.	11	10	50	2
45.	12	25	80	2
46.	BH 4-13	120	40	2

Charles E. Thompson
Chief Chemist



SKYLINE LABS, INC.

SPECIALISTS IN GEOCHEMICAL EXPLORATION

12090 WEST 50TH PLACE • WHEAT RIDGE, COLORADO 80033

TEL.: (303) 424-7718

INVOICE

INVOICE NO.: 6158
JOB NO.: 42055
P.O. NO.:

DATE: August 16, 1971

TERMS: NET 30 DAYS

SOLD TO: Nuclear Dynamics, Inc.
P. O. Box 20766
Phoenix, Arizona 85036

Attention: Francis X. Cannaday

Analysis of 46 rock chip samples

46 Molybdenum @ $1.00	$ 46.00
46 Copper and Zinc (single digestion) @ $1.60	$ 73.60
46 Samples crushed, split and pulverized @ $.50	$ 23.00
Total	$ 142.60

INVOICE COPY

ADAMS – P.D. – Ben Hur and other claims 106 in total.

Working period

1st year — Downpayment #100/claim; 106 claims #10,600
plus assessment work

2nd year — Downpayment #100/claim; 106 claims #10,600
plus assessment work

3rd year

At beginning of 3rd year: Option

Continue for another year downpayment of #100/claim (I believe, or some other similar payment)
plus
assessment work

Purchase outright at beginning of 3rd year
#10,000 claim for 106 claims
Total #1,060,000

4th year

At beginning of 4th year: Option

Continue for another year
Downpayment of #100/claim
(I believe, or some other similar payment)
plus
assessment work

Purchase outright
at beginning of 4th year
#12,000 claim for 106 claims
Total # 1,272,000

5th year

At beginning of 5th year: Option

Continue for another year
Downpayment of #100/claim
(I believe, or some other similar payment)
plus assessment work
At end of year: Purchase
For #15000/claim (?) for 106 claims Tot. #1,590,000. or
Forfeit and end of contract.

Purchase outright
at beginning? of 5th year
#15,000/claim for 106 claims
Total #1,590,000

(over)

PD

Time	106 claim
1st Year	Beginning: down #100/claim Tot. #10,600 of year Assessment #10600 Tot #10,600
2nd year	Beginning: down #100/claim Tot #10,600 of year Assessment #10,600 Tot #10,600
3rd year	Beginning down #100/claim Tot #10,600 Assessment #10,600 Tot #10,600 OR Purchase

NDL

Time	
1st year	Beginning: down #100/claim SubTot. #10,600 of 1st mo. 58,000 Beginning: down #100/claim SubTot. #10,600 of 6th mo. Assessment #10600 Tot #21,200
2nd year	Beginning: down #120/claim SubTot. #12,720 of 1st mo. Beginning: down #140/claim SubTot. #14,840 of 6th mo. Assessment #10600 Tot. #27,560
3rd year	Beginning: down #150/claim SubT. #15,900 of 1st mo.

Agreement may be dropped at any time (with certain provisions regarding assessment) within the 5 year span of the agreement.

106

$100 a c

2 yrs 1st Pay $10,600 1st yr

2nd 10,600

annual assessment

after ~~$10,000~~ a claim

$15,000

3rd 15,000

$1,000,000

5th 10.

/

Title NW ¼ of Safford Quad. Sheet or Dwg. No.

Revision No. As of Filed

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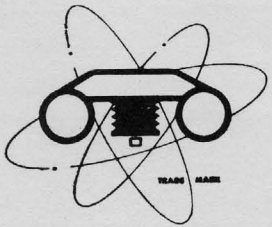
MICRO-MASTER

®

105 mm

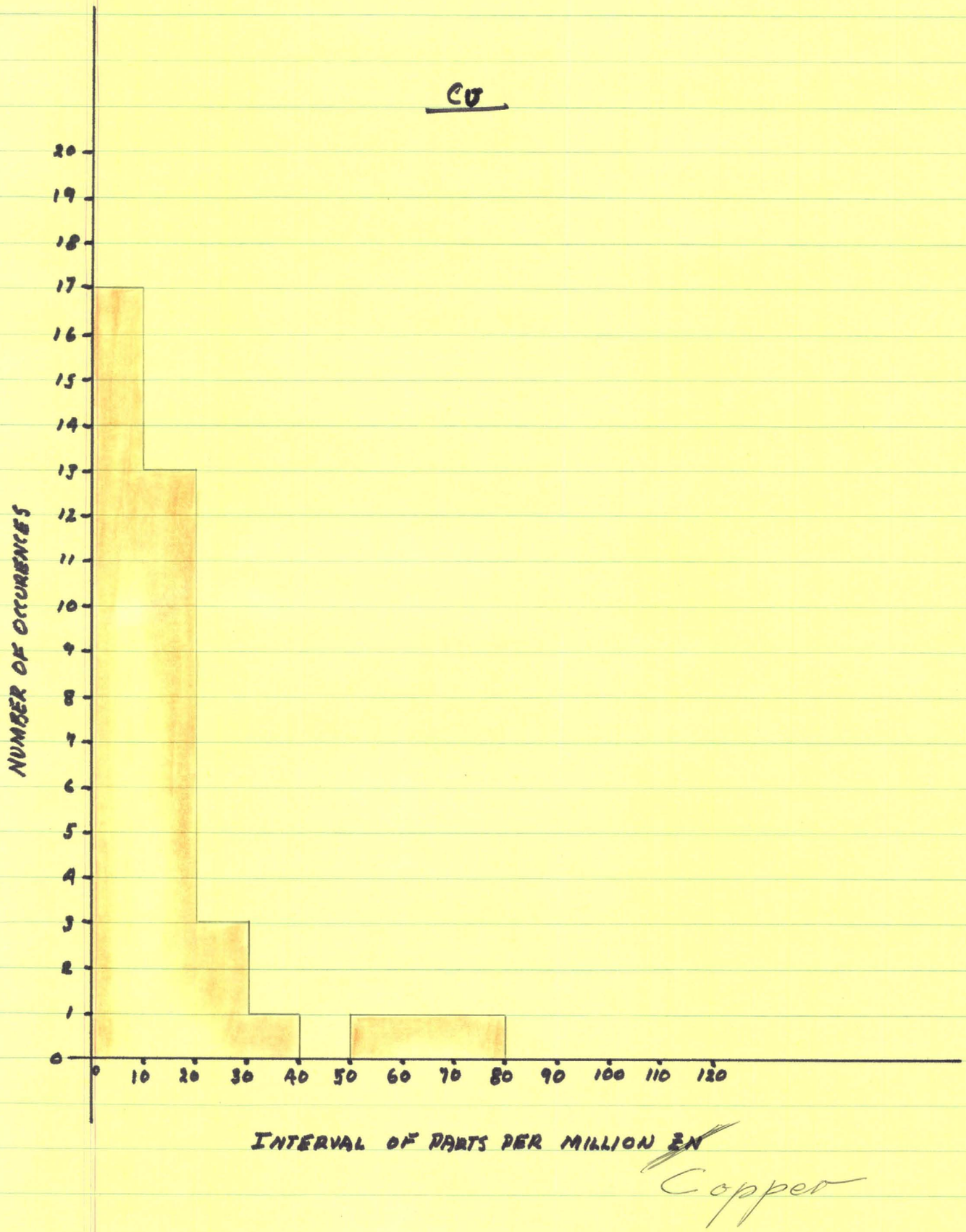


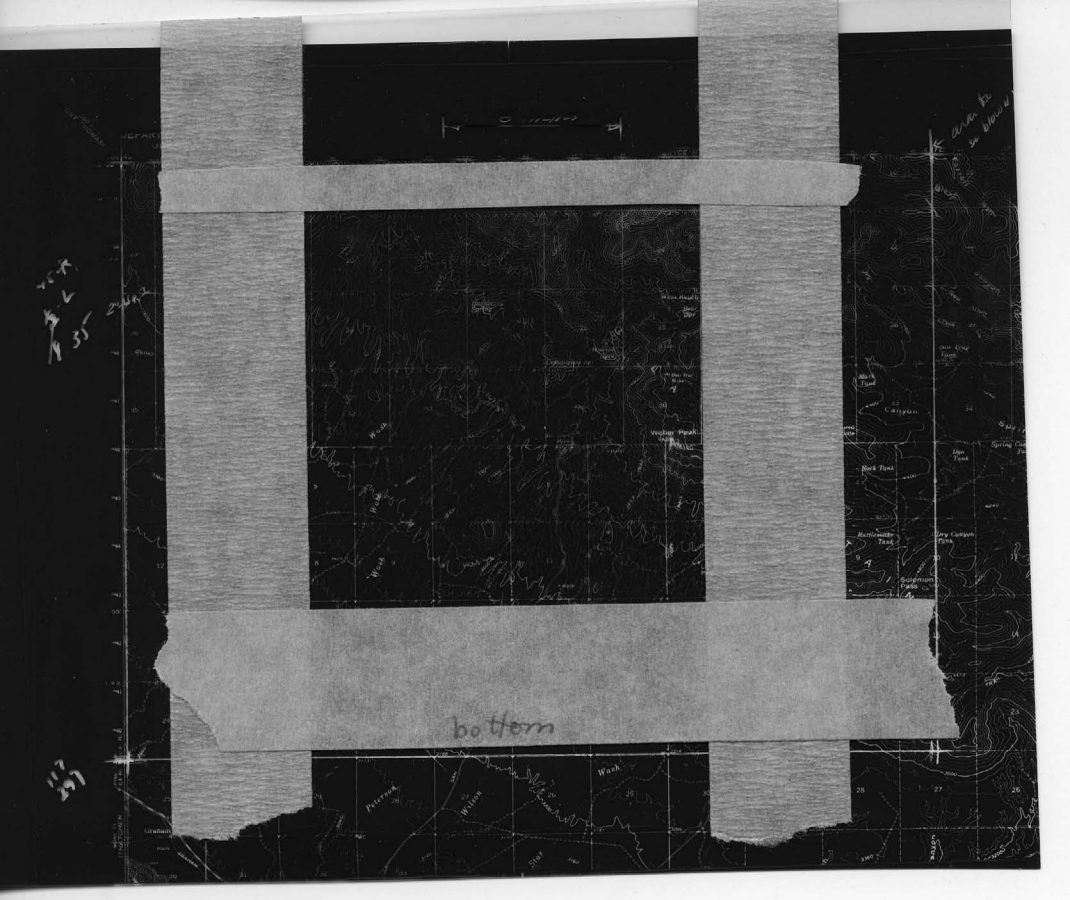
Trade Marks shown above are Trade Marks of Keuffel & Esser Co. of Hoboken.

ACME BLUEPRINT & PHOTOCRAFT CO.

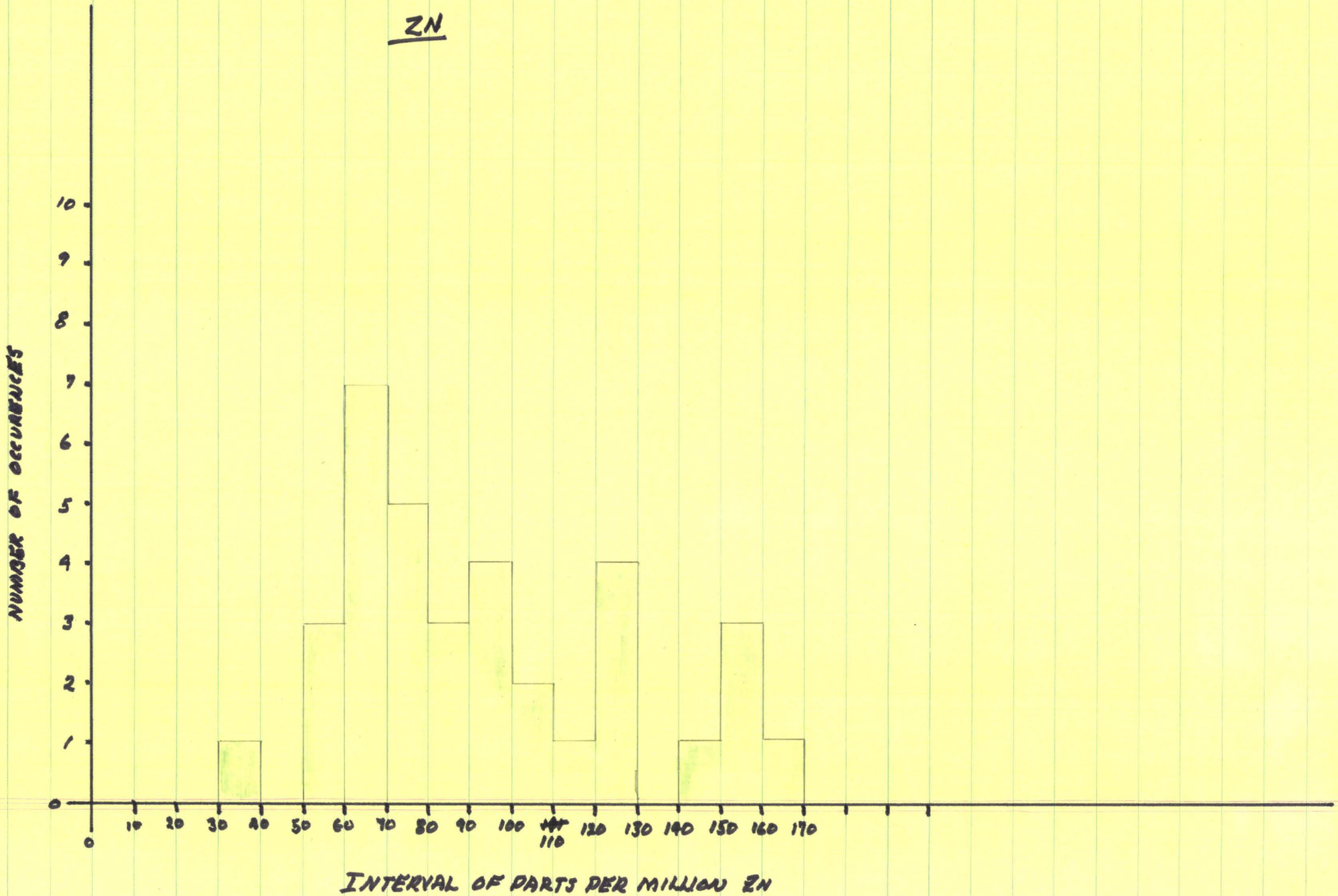
K+E OZALID

1425 North First Street
Phoenix, Arizona
254-6171


Cu
NUMBER OF OCCURENCES
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
0
10
20
30
40
50
60
70
80
90
100
110
120
INTERVAL OF PARTS PER MILLION EN
Copper



bottom
Wash
Canyon
Rock Tank
Dry Canyon Tank
Solomon Pass
Wash
Peterson
Wilson
Stor
Graham


ZN
NUMBER OF OCCURRENCES
0
1
2
3
4
5
6
7
8
9
10
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
INTERVAL OF PARTS PER MILLION ZN

GEOCHEM SAMPLES [SAFFORD]

Ben-Hur area

BH - 4-1 ON ROAD

- 4-2 NEAREST OUTCROP UP SLOPE

- 4-3

- 4-4

- 4-5

- 4-6

- 4-7

- 4-8

- 4-9

- 4-10

- 4-11

- 4-12 COURSE BOULDERY ALLUVIUM
SAMPLE FROM POSSIBLE OUTCROP

- 4-13 BOTTOM OF WASH GOOD OUTCROP

SAMPLES GEOCHEM SAFFORD

BH – 3-11

– 3-12 NEAR BASALT CONTACT ?

– 3-13

– 3-14 BASALT

– 3-15 BASALT

– 3-16 ASH-BRECCIA ?

3-17 "

3-18 ASH-BRECCIA ?

3-19 "

3-20 TUFF BRECCIA ?

3-21 "

3-22 BASALT

3-23 "

3-24 "

3-25 TUFF OR ASH BRECCIA ?

3-26 TUFF BRECCIA ?

3-27

3-28 TUFF ?

3-29 PEBBLE DIKE ? [COCOTILLA PREFER IT]

3-~~#~~30 BRECCIA ?

3-~~#~~31 ANDESITE BRECCIA ?

3-~~#~~32 PEBBLE DIKE ?

3-~~#~~33 EPIDOTE FLOODED BRECCIA ?

3-34 TUFF OR IGN. BRECCIA ?

3-35 TUFF OR IGN. BRECCIA ?

3-36

3-37 DRILL CUTTINGS SAMPLE (HIGH GRADE)

3-38 BULLDOZER EXPOSURE SAMPLE ACROSS (VEIN ?)

3-39 DIKE ?

3-40

3-41

3-42

BH 3-43

~~#~~

Date July 15 '71
Pilot L. Daniel
Photog FXC MMM
Plane C 185
Area Safford San Juan
Film Panatomic X 120
Light Meter B&W 14
Light Meter Color Neutral
Filter ~~Haze~~ Yellow Light - Medium.
Diaph. Opening F. 11
Shutter Speed 1/300
Camera Ikoflex
Ground Speed 125 knots ? headwind
ASL 12,000'
Interval Secs ~~10~~ 12
Lines SA 2A 11 secs 6 frames 12 secs 7-12 frames
" 3
" 4
" 5

Ariz Copper 33-34

109-110

Adams Prospect

Graham County

T5S R24E

ARIZ. Base Metals 32-33

112 - 113

Gunsight
Sheehan Mining Corp
Mineral Economics Corp Pima Co
Tognoni

T 14 S
R 4 W

Inspiration Consolidated Copper Company

INSPIRATION, ARIZONA 85537

May 26, 1971

Mr. Don Adams
6413 E. Windsor Ave.
Scottsdale, Arizona 85257

Dear Don:

In accordance with my letter to you dated May 18, 1971, I am enclosing copies of the following which may be of help to you.

1) One copy of our drill hole log on AW-1

2) One copy of our drill hole log on AW-2

3) One copy of assay results on AW-1

4) One copy of assay results on AW-2

5) One copy of an Affidavit of Labor Performed and Improvements Made for all of the claim groups and which was recently filed for recording.

6) Four copies of Notice of Termination with respective recording data.

We are also forwarding the following maps:

1) Geologic Map of Ben Hurr Claims at a scale of 1" = 500'
2) "Adams Claim Groups" Map with geology from old map of Don Adams' at a scale of 1" = 500', dated November, 1969.
3) Topographic Map - "Adams Prospects Claim Groups" with claim groups superimposed on topog and at a scale of 1" = 500', dated November, 1969.

If you need additional copies of this, please let me know.

Copies of the raw geophysical data are being prepared and should be forwarded the first of next week.

Sometime if you are through this area, it might be helpful to you to stop by our office and go over some of this with our geophysicist, Mr. Windels, however, the geophysical data was not very useful on this project.

If I can be of any additional help in this matter, please let me know.

Sincerely yours,

Hugh W. Olmstead

Hugh W. Olmstead
Chief Exploration Geologist

HWO/sla
cc; Mr. R. R. Hyde
Mr. R. C. Cole
Mr. R. Adams

Enclosures - 12

13

DDH NO. Ben Hurr #1

STATE Arizona MINING DISTRICT Lone Star COORDINATES ____ N ____ E DATE STARTED ____ DRILLING CO. Day Ks

COUNTY Graham PROJECT Safford COLLAR ELEVATION ____ DATE COMPLETED 5/1/58

INCLINATION ____ BEARING — FINAL DEPTH 95.0

FOOTAGE		UNALT	CHLOR.	EPIDOTE	MONTMOR.	BIOTITE	KAOL.	HY. MICA.	ORTHO.	SER.	SIL.	STAGE NO.	ROCK TYPE	SECTION	CUSFES4	CUFES2	FES2	CU2S	CUS	MOS2	Chrysocolla	OXIDE ZONE: LEACHED CAVITIES-COLOR ETC. / SULPHIDE ZONE-CHAR OF MIN. DISS. VEIN, ETC.	< INCL.	FRACTURING	GEOLOGY
14.5	25.5		1-2				1°						Andesite Fault(?) bx									Sparse red limonite in leached cavities - disseminated		14.5-26 Sparse horiz and 10-20° 26-32 In vein, irregular horiz fract., few near vert.	Dark brown andesite with moderate 1/4-2" fragments.
25.5	95.0		1				1-3			~~2~~ 2	~~2~~ 2		Andesite Fault bx								2	Chrysocolla in veins and coatings. Some black Mn mineral. Botryoidal coatings could be Pb or Zn min. Sparse - mod. red limonite grains after dissem. pyrite		32-63 - In vein & shear; 7 deg. zone — some vert; 20°; horizontal 63-78.9 few vertical & horiz. 78.9-95 in vein-shear all orientations plus rndy groups	Vein and included wall rock. Abundant chrysocolla in some zones.

DDH NO. Ben Hur #1 **STATE** Arizona **COUNTY** Graham **MINING DISTRICT** Lone Star **PROJECT** Safford

COORDINATES ______ **N** ______ **E**
COLLAR ELEVATION ______
INCLINATION Vert **BEARING** –

DATE STARTED ______ **DRILLING CO.** Boyles
DATE COMPLETED 8/1/58
FINAL DEPTH 95.0

CORE

FOOTAGE (from)	FOOTAGE (to)	L_1	L_2	% REC. BY FT.	LBS. REC.	% REC. BY WT.	TOT. CU.	OX CU	MO S2	ASSAY Au	Ag	Pb	Zn	S. G.	CORE SIZE	SAMP. NO.
14.5	24.5	10.0	9.0	90.0			0.04							2.82		6291
24.5	32.5	8.0	7.5	93.7			0.91	0.81		TR	0.4	1.27	0.30	2.66		6293
32.5	45.0	12.5	4.2	33.6		sulphur 0.00	0.25		0.090	0.005	0.156					6295
45.0	63.9	18.9	2.6	13.7			0.37		0	0.003	0.247	0.33				6297
63.9	72.9	9.0	7.7	85.5			0.17			0.003	0.318	0.38				6299
72.9	79.3	6.4	3.7	57.8			2.32	2.19		0.005	0.185	2.05				6300
79.3	95.0	15.7	4.4	28.0			0.45	0.40		0.005	0.265	1.80				3548

SLUDGE

SAMP. NO.	LBS. REC.	% REC. BY WT.	SPLIT	ASSAY TOT. CU.	OX CU	MO S2

COMBINED ASSAY

PERCENT 0.1	0.5	1.0	TOT. CU

DDH NO. Ben Hur #2

STATE Arizona MINING DISTRICT Lone Star
COUNTY Graham PROJECT Safford

COORDINATES 31713.3 N 20,869.4 E
COLLAR ELEVATION 4961.0
INCLINATION vert BEARING —

DATE STARTED 4/26/58 DRILLING CO. Boyles.
DATE COMPLETED 4/29/58
FINAL DEPTH 160.0

FOOTAGE				UNALT	CHLOR.	EPIDOTE	MONTMOR.	BIOTITE	KAOL.	HY. MICA.	ORTHO.	SER.	SIL.		STAGE NO.	ROCK TYPE	SECTION	CUSFES4	CUFES2	FES2	CU2S	CUS	MOS2			OXIDE ZONE: LEACHED CAVITIES-COLOR ETC. / SULPHIDE ZONE-CHAR OF MIN. DISS. VEIN, ETC.	< INCL.	FRACTURING	GEOLOGY	LOG BY
0.	0	54.	7													Intermed. Volcanics										No Min.			Drilled with rock bit. Tuff-Breccia of rock fragments (white-greyish-pinkish) with a few minute feldspars, few plates bronzy biotite, few specks magnetite, lesser ants. white tuff	[illegible]
54.	7	160.	0		1-2	1			1?							Andesite Hew(?) bx.										No min.		Sparse	Brownish andesite with fragments (sparse) 1/4-1". Possible flat shear at 148'.	[illegible]

DDH NO. Ben Hur #1

STATE Arizona MINING DISTRICT Lone Star
COUNTY Graham PROJECT Safford
COORDINATES ____ N ____ E
COLLAR ELEVATION ____
INCLINATION Vert BEARING —
DATE STARTED ____ DRILLING CO. ____
DATE COMPLETED 5/1/58 Boyles
FINAL DEPTH 950

CORE

FOOTAGE				Li		Ls		% REC. BY FT.	LBS. REC.	% REC. BY WT.	ASSAY TOT. CU.	OX CU	MO Sz	ASSAY Au	Ag	Pb	Zn	S.G.	CORE SIZE	SAMP. NO.
																		2 82		6291
18.	5	25.	5	10	0	8.	0	90.	0		0	04								
24.	5	32.	5	8.	0	7.	5	93.	7		0	91	0.	01		Tr		a9	.127	.030	2 66	6293
32.	5	45.	0	12.	5	4.	2	33.	6	BWT 0.08	0.	07		a	050	0.	005	a	155			6295
45.	0	63.	9	18.	9	2.	6	13.	7		0.	37		0		0.	003	0	215	0.33		6297
63.	9	72.	9	9.	0	7.	7	85.	5		0.	17				0.	003	a	318	0.38		6299
72.	9	79.	3	6.	4	3.	7	57.	8		8.	32	2.	19		0.	005	a	135	2.05		6300
79.	3	95.	0	15.	7	4.	4	28.	0		0.	49	0.	40		0.	005	a	435	1.80		3548

SLUDGE

SAMP. NO.	LBS. REC.	% REC. BY WT.	SPLIT	ASSAY TOT. CU.	OX CU	MO Sz

COMBINED ASSAY

PERCENT 0.1 0.5 1.0

TOT. CU

DDH NO. Ben Hur #2

STATE Arizona MINING DISTRICT Lone Star
COUNTY Graham PROJECT Safford

COORDINATES 31713.3 N 20,869.4 E
COLLAR ELEVATION 4961.0
INCLINATION vert BEARING —

DATE STARTED 4/26/58 DRILLING CO. Boyles.
DATE COMPLETED 4/29/58
FINAL DEPTH 160.0

FOOTAGE				UNALT	CHLOR.	EPIDOTE	MONTMOR.	BIOTITE	KAOL.	HY. MICA.	ORTHO.	SER.	SIL.		STAGE NO.	ROCK TYPE	SECTION	CUSFES4	CUFES2	FES2	CU2S	CUS	MOS2			OXIDE ZONE: LEACHED CAVITIES-COLOR ETC. / SULPHIDE ZONE-CHAR OF MIN. DISS. VEIN, ETC.	< INCL.	FRACTURING	GEOLOGY	LOG BY
0.0		54.	7													Intermed. Volcanics										No Min.			Drilled with rock bit. Tuff-Breccia of rock fragments (white-greyish-pinkish) with a few minute feldspars, few plates bronzy biotite, few specks magnetite, lesser amts. white tuff	[illegible]
54.7		160.	0		1-2	1			1?							Andesite Hour(?) bx.										No min.		Sparse	Brownish andesite with fragments (sparse) 1/4-1". Possible flat shear at 148'.	[illegible]

13

DDH NO. Ben Hurr #1

STATE Arizona MINING DISTRICT Lone Star
COUNTY Graham PROJECT Safford

COORDINATES ____ N ____ E
COLLAR ELEVATION ____
INCLINATION ____ BEARING —

DATE STARTED ____ DRILLING CO. Dayton
DATE COMPLETED 5/1/58
FINAL DEPTH 95.0

FOOTAGE	UNALT	CHLOR.	EPIDOTE	MONTMOR.	BIOTITE	KAOL.	HY. MICA.	ORTHO.	SER.	SIL.	STAGE NO.	ROCK TYPE	SECTION	CUsFeS4	CuFeS2	FeS2	CuS	CuS	MoS2	Chrysocolla	OXIDE ZONE: LEACHED CAVITIES-COLOR ETC. / SULPHIDE ZONE-CHAR OF MIN. DISS. VEIN, ETC.	< INCL.	FRACTURING	GEOLOGY
14.5 25.5		1-2				1°						Andesite Porph. ba									Sparse red limonite in leached cavities - disseminated		14.5-26 Sparse horiz and 10-20° 26-32 In vein, irregular horiz fract., few near vert.	Dark brown andesite with moderate 1/4-2" fragments.
25.5 95.0		1				1-3			2 2	2 2		Andesite Porph. ba								2	Chrysocolla in veins and coatings. Some black Mn mineral. Botryoidal coatings could be Pb or Zn min. Sparse - mod. red limonite grains after dissem. pyrite		32-63. In vein & chem; 73-95. Sparse — some vert; 63-78.9 few vertical & horiz. 78.9-95 in vein-chem all orientations plus rhodo gouge.	Vein and included wall rock. Abundant chrysocolla in some zones.

DRILL HOLE LOG

DUVAL SULPHUR & POTASH COMPANY

HOLE NO. DAN #1

PROJECT SAFFORD SIZE TYPE

LOCATION START

N E ELEV. STOP

	FROM	TO	INTERVAL	RECOVERY	CHARACTER	REMARKS
3-1-60	0	4	4	0	DIRT + ROCK FILL	0-20': 3½" CAS.
	4	14	10.0	(96%) 9.6	GENERAL: HOLE STARTS IN ANDESITE FLOW BRECCIA (?) CHARACTERIZED BY INCLUSIONS FROM ¼" ACROSS + UPWARD IN SIZE, WITH ANGULAR TO ROUND SHAPES. INCLUSIONS VARY FROM ACIDIC TO RELATIVELY BASIC, FROM WHITE TO LIGHT GRAY TO LIGHT GREEN TO DARK GREEN; SOME PINKISH RED. MATRIX PROBABLY ANDESITIC, IS PORPHYRITIC, MEDIUM TO FINE GRAINED, SHADES OF GRAY, GREEN (LIGHT), + IN PLACES, REDDISH IN COLOR. FELDSPARS PREDOMINANTLY PLAGIOCLASE VARIOUSLY ALTERED (GENERALLY CLOUDY, BUT LUSTROUS, SOME SOFTER THAN NORMAL). MAFICS PREDOMINALTLY HB (POSSIBLY SOME BIO); MAFICS GENERALLY STRONGLY CHLORITIZED, EPIDOTIZED (OVERALL CH + EP ALTERATION MD-ST). VARIATION IN COMPOSITION OF INCLUSIONS ∴ GIVES ROCK MOTTLED APPEARANCE FROM WHAT IS IN EFFECT, SELECTIVE CHLORITIZATION + EPIDOTIZATION. SOME MAGNETITE IS FOUND INTERMITTENTLY THROUGHOUT, BUT MOST METALLIC SPECKS ARE FOUND TO BE HM, APPARENTLY DERIVED FROM THE MAGNETITE + MAFIC MINERALS — MAFICS COMMONLY HAVE HM BORDERS. THE HM IS GENERALLY METALLIC TO SUB-METALLIC. MATRIX GENERALLY HAS GREATER CONCENTRATION OF HM THAN INCLUSIONS. HM SPECKS ± 1mm - 3mm GENERALLY. QTZ IS APPARENTLY LACKING. (METALLIC MINERAL / ILMENITE ?). MN OXIDES COMMON THROUGHOUT ROCK IN IRREGULAR, THIN SPECKS, + ESPECIALLY IN CONCRETIONS FORM ALONG FRACTURE SURFACES.	
	14	20	6.0	(98%) 5.9	SAME.	
3-2-60	20	25.0	5.0	(94%) 4.7	SAME.	BEGIN NX CORE.
	25.0	35.0	10.0	(98%) 9.8	SAME.	
	35.0	45.0	10.0	(101%) 10.1	SAME.	
	45.0	55.0	10.0	(99%) 9.9	SAME.	
3-3-60	55.0	56.4	1.4	(93%) 1.3	SAME.	
	56.4	62.0	5.6	(96%) 5.4	SAME.	
	62.0	72.5	10.5	(98%) 10.3	SAME.	
	72.5	74.1	1.6	(100%) 1.6	SAME.	
	74.1	85.0	10.9	(92%) 10.0	SAME.	
3-4-60	85.0	95.0	10.0	(100%) 10 +	SAME. HM TO 3mm.	
	95.0	105.0	10.0	(99%) 9.9	SAME.	
	105.0	115.3	10.3	(99%) 10.3	SAME.	
	115.3	125.7	10.4	(100%) 10.4 -	SAME.	
	125.7	136.0	10.3	(97%) 10.0	SAME.	

LOGGED BY AWS

DRILL HOLE LOG

DUVAL SULPHUR & POTASH COMPANY

HOLE NO. DDH #1

PROJECT SAFFORD — SIZE — TYPE

LOCATION — START

N — E — ELEV. — STOP

	FROM	TO	INTERVAL	RECOVERY	CHARACTER	REMARKS
3-7-60	136.0	145.0	9.0	(102%) 9.2	SAME.	
	145.0	155.1	10.1	(100%) 10.1	SAME. 10.05' CORE IN ONE PIECE. SLIGHT INCREASE IN HM.	
	155.1	165.3	10.2	(99%) 10.1	"NORMAL" HM. SAME. WK FRACTURING. 2-1T.2MM CAL SEAMS (60°).	
	165.3	175.8	10.5	(93%) 9.9	SAME. SOME FRACTURES WITH ORANGISH CLAY-WATER.	WATER LOSS.
	175.8	186.6	10.8	(94%) 10.1	SAME. NO CLAY.	
3-8-60	186.6	196.7	10.1	(100%) 10.1	SAME. POSSIBLE FLOW BANDING AT 193.2' - 50°. MA FRACTURING. FRACTURE SURFACES SPECKLED WITH BROWN TO BLACK CRUSTS (THIN) - MN OXIDES?	
	197.6	205.5	7.9	(109%) 8.6(?)	SAME.	
	205.5	215.6	10.2	(100%) 10.2	SAME, BUT 212.1-214' IS A BETTER DEFINED BR - ANGULAR FRAGMENTS WITH FINE-GRAINED, PURPLISH MATRIX. A FLOW FEATURE, NOT STRUCTURAL. CAL SEAMS AT 214' (2MM - 87°). MA-ST FRACTURING.	CEMENTED.
3-9-60	215.6	222.0	6.4	(95%) 6.0	SAME.	3 HRS DRILLING CEMENT.
	222.0	227.0	5.0	(104%) 5.2	SAME. 10" BOULDER INCLUSION AT 226'. PURPLISH, ROUNDED.	
	227.0	237.0	10.0	(101%) 10.1	SAME. CAL: 232': 2MM - 50°; 232.7': 1MM - 70°.	
	237.0	247.0	10.0	(97%) 9.7	SAME. CAL: 237.6': 1MM - 85°+; SOME PINK TO RED STAINING ON FRACTURE SURFACE; 241.3': 1-2MM - 45°, 65°, 87°+; 245.3': 1-2MM - 50°. WK FRACTURING.	CEMENTED.
3-10-60						4 HRS DRILLING CEMENT. STUCK RODS AT 11:30, ATTEMPTED FREEING TO 1600 HRS.
3-11-60						OVER-REAMING STUCK RODS - 3⅞": 20-110'.
3-12-60						SAME. 110-185'.
3-13-60						SAME. 185-210; SET CASING TO 210'.
3-14-60						DRILLING CEMENT.
3-15-60	247.0	255.7	8.7	(100%) 8.7	SAME. WK FRACTURING.	1½ HRS DRILLING CEMENT. FIRST CORE AT 1830 HRS.
	255.7	265.8	10.1	(100%) 10.1	SAME.	

LOGGED BY AWS

DRILL HOLE LOG

DUVAL SULPHUR & POTASH COMPANY — HOLE NO. ARH #1

PROJECT SAFFORD — SIZE — TYPE

LOCATION — START

N — E — ELEV. — STOP

	FROM	TO	INTERVAL	RECOVERY	CHARACTER	REMARKS
	265.8	275.8	10.0	(101%) 10.1	SAME. CAL: 272.5': 1-2MM (75°). 8'+, ONE PIECE CORE.	
	275.8	285.7	10.1	(100%) 10.1	SAME. CAL: 277.4': 1-2MM – 70°; 281.8'–283.8': 1-2MM – 75°+90°. BLACK SPECKS COMMONLY WITHIN CAL – MN OXIDES? 8'+, ONE PIECE CORE.	
3-16-60	285.7	295.8	10.1	(100%) 10.1	SAME. CAL VUG AT 295.8' – UP TO 5MM CAL.; A FEW MINOR SEAMS.	
	295.8	305.9	10.0	(101%) 10.1	SAME. 296.2-297.4': BRICK-RED, FINE-GRAINED MATRIX WITH STRONGLY CHLORITIZED, WELL DEFINED INCLUSIONS UP TO ½": 10" INCLUSION IN REMAINING PART OF INTERVAL. 8'+, ONE PIECE CORE.	
	305.8	315.9	10.1	(100%) 10.1	SAME. CAL: 309.5': 1-2MM – 70°.	
	315.9	326.0	10.2	(99%) 10.1	SAME. ANKISH MATRIX MORE COMMON. CAL: 316.0': 1MM – 75°; 317.5': 1MM, + MINUTE NEARLY VERTICAL FRACTURES.	CHANGED BT AT 326'.
	326.0	336.0	10.0	(101%) 10.1	SAME. INCLUSIONS TO 10" THIS INTERVAL. WK FRACTURING.	
	336.0	346.0	10.0	(101%) 10.1	SAME BUT MORE PINKISH MATRIX: FRAGMENTS CHARACTERISTICALLY SMALL (UP TO 1½"), WELL DEFINED, + WITH ROUND TO ANGULAR SHAPES. ALTERATION SAME AS DESCRIBED ABOVE – MD-ST EP, CH.	
	346.0	356.0	10.0	(103%) 10.3	348.2-359.0': FRAGMENTS GENERALLY ≤2.5 CM, MOST BEING CA. 1 CM. MATRIX PINKISH TO TAN. CAL: 352': 85°. 354': DENDRITES + BLACK-BROWNISH SPECKS ON FRACTURE SURFACES – MN OXIDES. SOME ANKISH-RED STAINING.	
3-17-60	356.0	365.4	9.4	(100%) 8.7	SAME. SMALL ANGULAR FRAGMENTS TO 359.0'. MD FRACTURING.	STUB OF CORE LEFT IN HOLE.
	365.4	375.3	9.9	100%+ 10.0	(359-370.2': SAME AS "GENERAL"). 370.2-395.0': LIKE 348.2-359.0' – NUMEROUS SMALL FRAGMENTS. CAL: 373.5': 1MM – 45°.	

LOGGED BY AWS

DRILL HOLE LOG

DUVAL SULPHUR & POTASH COMPANY — HOLE NO.

PROJECT SAFFORD — SIZE — TYPE

LOCATION — START

N — E — ELEV. — STOP

	FROM	TO	INTERVAL	RECOVERY	CHARACTER	REMARKS
	375.3'	385'	9.7'	(102%) 9.9'	SAME. MAJORITY OF FRAGMENTS < 3 CM., SOME TO 12 CM. WK FRACTURING — A FEW MINUTE, WITH CAL + DENDRITES + 1MM SPECKS OF MN OXIDES.	RODS HIT H_2O @ 160'
	385.0	395.0	10.0	(102%) 10.2	SAME.	
	395.0	405.0	10.0	(96%) 9.6	SAME. ONE 15 CM LONG ROUNDED INCLUSION WITH CA. 20% EP	
	405.0	415.0	10.0	(101%) 10.1	SAME. 1MM CAL AT 412.9' (05°).	
3-18-60 METZER	415.0	425.0	10.0	(101%) 10.1	SAME. CAL: 420.0' (1MM - 20°); 422.1' (1-3MM - 70°).	
	425.0	437.0	12.0	(93%) 11.1	SAME. 1.2' BOULDER AT 427.2'. CAL: 434.2' (1MM - 85°). MATRIX SLIGHTLY PINK.	
SHIPLEY	437.0	441.0	4.0	(100%) 4.0	BRICK-RED MATRIX 437.0 - 439.0' WITH WELL DEFINED FRAGMENTS (ANGULAR-ROUNDED) AVERAGING 1" DIAMETER. WK FRACTURING. REMAINDER OF INTERVAL SAME AS ABOVE.	
	441.0	448.0	7.0	(96%) 6.7	SAME. MN OXIDE-SPECKLED FRACTURE WITH MINOR CAL AT MATRIX - COBBLE INTERFACE AT 484' — NOT PARTICULARLY UNCOMMON. MORE COMMON TO SEE SLIGHTLY BLEACHED BORDERS ON FRAGMENTS (INCLUSIONS).	CORE SLIPPED FROM CORE BARREL. CORE LOST BY GRINDING FRAGMENTS: 441-444'.
	448.0	454.0	6.0	(100%) 6.0	SAME. WK FRACTURING.	
3-19-60 SHIPLEY	454.0	461.8	7.8	(101%) 7.9	SAME. 456.3-456.5': DARK PURPLISH GRAY, FINE-GRAINED ZONE GRADATIONAL WITH USUAL MEDIUM-GRAINED MATRIX-INCLUSION MATERIAL. WK FRACTURING.	
	461.8	471.8	10.0	(98%) 9.8	SAME. 469.7-470.0': SIMILAR DARK PURPLISH GRAY ZONE AS AT 456.3-456.5'. 1MM CAL IN ZONE (5-10°). NO FRACTURES.	0.2' STUB IN HOLE.
3-21-60 SHIPLEY	471.8	481.8	10.0	(100%) 10.0	SAME GENERAL.	
	481.8	485.8	4.0	(100%) 4.0	SAME. 484.1': 1MM MILKY QTZ IN STRONGLY EPIDOTIZED WHITISH INCLUSION. SEAM VERTICAL.	
	485.8	494.1	8.3	(100%) + 8.8'	SAME.	
3-22-60 SHIPLEY	494.1	504.2	10.1	(100%) 10.1	SAME. 498'-499.2': CAL-EP-LINED FRACTURES - (75+87°) < 1MM.	DROPPED ALL BUT CA. 1.2' CORE PART WAY DOWN HOLE. INTERVAL REPRESENTS 2 RUNS.

LOGGED BY RWS

DRILL HOLE LOG

DUVAL SULPHUR & POTASH COMPANY — HOLE NO. DBH #1

PROJECT SAFFORD — SIZE — TYPE

LOCATION — START

N — E — ELEV. — STOP

	FROM	TO	INTERVAL	RECOVERY	CHARACTER	REMARKS
	504.2	513.9	9.7	(100%) 9.7	SAME BUT 500.1-514.5' FRAGMENTS BETTER DEFINED + GENERALLY UP TO 1" (SOME TO 4"). AT 500.1' 1/5 ½" OR FINE-GRAINED, DARK GRAY MATERIAL SIMILAR TO 512.8': 1-2mm CAL - 80°. BLEACHED BORDERS OF LARGER INCLUSIONS MORE PROMINENT IN THIS INTERVAL.	0.3' STUB IN HOLE. CHANGED BIT AT 504.2'.
BEGIN 2TB-EP	513.9	523.2	9.3	(100%) 9.3	SAME TO 514.8' WHERE INCLUSIONS LESS DISTINCT. ROCK STILL ANDESITE FLOW BRECCIA(?). QTZ: 517': 1+5mm, MILKY; 522.3': 1-3mm, MILKY. BOTH CAL 75°+ ARE RARELY OF SULFIDES. ASSOCIATED WITH EA CAL AT 522': 1mm, BLACK + WITH RUST COLORED STAINS.	LEFT STUB IN HOLE.
3-23-60 METLER	523.2	533.0	9.8	(100%) + 10.0	SAME. NO FRACTURES.	PICKED UP STUB FROM LAST RUN.
	533.0	543.0	10.0	(100%) 10.0	SAME. NO FRACTURES.	
	543.0	553.0	10.0	(100%) 10.0	SAME. QTZ: 552.6': 1mm - 80°+. MILKY.	
	553.0	563.0	10.0	(100%) 10.0	SAME. QTZ: 553.0': 1-2mm - 80°. MILKY.	
	563.0	573.0	10.0	(100%) 10.0	SAME. 572.7': RUST STAINED FRACTURE (10°) WITH VERY MINUTE BLACK SPECKS (0.3mm). BELIEVED TO BE Mn OXIDE BUT COULD BE LN PSEUDOMORPHS AFTER PY(?). ONE FRACTURE IN THIS INTERVAL.	
SHIRLEY	573.0	583.2	10.2	(98%) 10.0	SAME. 580.1': 1mm CAL - 30°. 582.3': 1-4mm MILKY QTZ, SOME BLACK + WHITE CAL WITH Mn DIGGES (NEAR VERTICAL).	
	583.2	593.3	10.1	(100%) 10.1	SAME. 592.2': SLIGHT RUST STAIN ON FRACTURE (40°).	
	593.3	603.4	10.1	(100%) 10.1	SAME. NO FRACTURING - SURFACES WITH RUST COLORED STAINS + MINUTE BLACK SPECKS (SEE 563-573'), 35-40°, 80°.	
3-24-60 METLER	603.4	613.0	9.6	(100%) 9.6	SAME. NO FRACTURING BUT MINOR Fe-STAINING.	
	613.0	617.4	4.4	(100%) 4.4	613.0 - 623: FRAGMENTS OR INCLUSIONS GENERALLY SMALLER (< 1"), BETTER DEFINED. WK FRACTURING BUT WITH SOME RUST STAINS (65°, 80°). BLACK SPECKS ON FRACTURE SURFACES COMMONLY ROUNDED (PSEUDOOLITES) & SHOW CONCENTRIC SHELLS OR LAYERS.	
	617.4	626.0	8.6	(100%) 8.6	SAME TO 626'. A FEW 85°+ VERTICAL RUST-STAINED FRACTURES.	CHANGED BIT AT 617.4'.

LOGGED BY AWS

DRILL HOLE LOG

DUVAL SULPHUR & POTASH COMPANY — HOLE NO.

PROJECT — SIZE — TYPE

LOCATION — START

N — E — ELEV. — STOP

	FROM	TO	INTERVAL	RECOVERY	CHARACTER	REMARKS
3-24-60 SHIPLEY	626.0	636.0	10.0	(100%) 10.0 (+0.2)	"GENERAL": SMALL + LARGE FRAGMENTS - TO 11". A FEW RUST-STAINED FRACTURES (65°, 80°).	
	636.0	645.5	9.5	(94%) 8.9	SAME BUT NO FRACTURES.	LEFT BROKEN CORE IN HOLE.
3-25-60 METTLER	645.5	654.0	8.5	(92%) 7.8	SAME. 1MM CAL AT 651.0' (80°); SOME RUST COLORED STAINING.	LEFT STUB IN HOLE.
	654.0	664.0	10.0	(101%) 10.1	SAME. WK FRACTURING BUT WITH RUST "COLORED STAINS. EP-QTZ VUG AT 659.2' (½" VUG WITH ¼" QTZ XLS, MINUTE EP XLS). A FEW <1MM EP-LINED FRACTURES. MN OXIDE COATINGS STILL PRESENT.	LOSING WATER.
	664.0	670.0	6.0	(100%) 6.0	SAME TO 666.6'. BEGINNING HERE, ROCK IS SOMEWHAT MORE HOMOGENEOUS IN APPEARANCE — LESS COLOR CONTRAST BETWEEN INCLUSIONS + MATRIX, INCLUSIONS LESS DISTINCT. COLOR BROWNISH GRAY BUT SPECKLED WITH EPIDOTE.	LOSING WATER. CORE IN SMALL PIECES — NECESSARY TO DO SHORT RUNS ONLY.
					ST FRACTURING BEGINNING 668': EP-QTZ (80-85°), SOME RUST + REDDISH STAINING, DENDRITES + SPECKS OF MN OXIDES. CLOSE FRACTURES AT 50°. (MO-ST FRACTURING 668-715').	
SHIPLEY	670.0	672.0	2.0	(100%) 2.0	SAME TO 671.5' (666.6 - 671.5'). MO-ST FRACTURING.	SAME.
	672.0	680.0	8.0	(100%) 8.0	"GENERAL", BUT ROCK SOMEWHAT LIGHTER IN COLOR - MEDIUM BROWNISH GRAYS TO GREENISH GRAYS. MO-ST FRACTURING.	
	680.0	686.0	6.0	(100%) 6.0	SAME. MO-ST FRACTURING; 70° + 80° PREDOMINENT. SOME RUST COLORED STAINING.	
	686.0	696.0	10.0	(100%) 10.0	(691.5 - 770') SAME. 691.5': BEGIN WK DISSEMINATED RUST COLORED SPECKS (ORANGE-YELLOW, UP TO CA. 3MM). METALLIC HM LACKING. MO-ST FRACTURING. ORANGE TO BROWN STAINING ON 80 + 85° FRACTURE SURFACES.	
3-26-60 METTLER	696.0	703.5	7.5	(100%) 7.5	SAME. SOME METALLIC HM IN 1-2MM SPECKS. MINOR MINOR QTZ-EP SEAMS. MO-ST FRACTURING.	SOMEWHAT EASIER DRILLING.
	703.5	713.0	9.5	(100%) 9.5	SAME. ROCK LIGHT BROWNISH-GREENISH GRAY. WK FRACTURING. FEW DISTINCT FRAGMENTS. DECREASE IN EP.	LEFT 0.5' STUB IN HOLE
	713.0	723.0	10.0	(100%) 10.0	SAME. SOMEWHAT LESS DISSEMINATED ORANGE SPECKS. MO FRACTURING.	
SHIPLEY	723.0	728.0	5.0	(100%)+ 5.1	SAME.	
	728.0	735.2	7.2	(100%) 7.2	SAME. 730': 65° FRACTURE WITH STRIATIONS DOWN 75°. ¼" OF MATERIAL NOT QUITE GOUGE BUT EASILY ALVERIZED IN FINGERS. DEEP RED COLOR.	

LOGGED BY RWS

DRILL HOLE LOG

DUVAL SULPHUR & POTASH COMPANY — HOLE NO.

PROJECT — SIZE — TYPE

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	FROM	TO	INTERVAL	RECOVERY	CHARACTER	REMARKS
3-28-60 SHIPLEY	735.2	736.0	0.8	(100%) 0.8	SAME, BUT INCREASE IN EPIDOTE.	
	736.0	743.0	7.0	(100%) + 8.3	SAME. ROCK HAS DISTINCT PINKISH BROWN CAST FROM 737 - 743'. FAULT AT 743': LOST ALL H_2O IN HOLE PLUS SLIGHTLY, NO WATER RETURN. FAULT 75-80°; DRILLED THRU 0.3' OF UNCONSOLIDATED BUT INTENSELY SHEARED ROCK. STRIATIONS 75-80°. SURFACES GLOSSY RED TO BLACK. NO SULFIDES. EP CRUST WITH SOME MILKY QTZ ON FRACTURE SURFACE IN FAULT. VUG IN CORE AT 738': - POSSIBLY CAL (CHALKY WHITE) + LM IN SAME. DISSEMINATED ORANGE SPECKS INTERMITTENTLY PRESENT. MO FRACTURING.	FAULT - 100% WATER LOSS.
	743.0	748.0	5.0	(100%) 5.0	ROCK LIGHT BROWNISH - GREEN. ROCK SOMEWHAT SOFTER, POSSIBLY WITH WK ARGILLIZATION (OR SERICITE?). MO EP, CN. MO - ST FRACTURING.	DRILLED THRU FAULT + REGAINED WATER RETURN (Ca. 75-80%). ROCK DRILLED FASTER THAN USUAL.
	748.0	754.5	6.5	(100%) 6.5	SAME. ROCK STRONGLY BROKEN AT 753'. MO-ST FRACTURING GENERAL. SLIGHT INCREASE IN ORANGE-RUST SPECKS.	
METLER	754.5	764.0	9.5	(100%) 9.5	OUT OF BROKEN ZONE (668 - 754'). CORE LARGELY SOLID. ROCK GENERALLY LIGHT GREEN TO TAN. INCLUSIONS NOT PARTICULARLY DISTINCT. ORANGE SPECKS (SOME WITH REDDISH BORDERS OR DARKER CENTERS) 1 EVERY 3-5mm, FAIRLY DISCRETE, BUT GENERALLY ROUND IN SHAPE. NO CUBIC OR REGULAR OUTLINES IDENTIFIABLE.	
	764.0	772.0	8.0	(100%) + 8.3	SAME BUT SHARP DECREASE IN ORANGE SPECKS BEGINNING 770'. VERY WK FRACTURING — CORE ESSENTIALLY UNBROKEN.	CASED HOLE TO 772',
3-28-60	SHIPLEY	FINISHED	PUTTING	8X WIRE LINE IN HOLE. NO DRILLING FIRST SHIFT.		
METLER	772.0	782.0	10.0	(99%) 9.9	SAME TO 776'. 776'-788': ROCK MEDIUM BRENNISH BROWN, INCLUSIONS WELL DEFINED, GENERALLY 1/4". ORANGE SPECKS LACKING ENTIRELY, BUT BLACK, METALLIC MINERAL (RED STREAK) COMMON AS IN ROCK PRECEDING THAT WITH ORANGE SPECKS. A FEW FRACTURES. MO EP, CN.	CHANGE FROM NX TO 8XC CORE (1⅞").
	782.0	792.0	10.0	(99%) 9.9	SAME TO 778'. INCLUSIONS TO SEVERAL INCHES.	
	792.0	798.0	6.0	(92%) 5.5	SAME. WK FRACTURING (20° + 80°). ONE 13" INCLUSION AT 797'.	STUB IN HOLE.
3-30-60 SHIPLEY	798.0	803.5	5.5	(44%) 2.4	SAME.	BOOSTER GUN IN HOLE TWICE. CORE RETRIEVED IS VERY BROKEN.
	803.5	813.5	10.0	(99%) 9.9	SAME. A FEW FRACTURES (70°). INCLUSIONS TO 6".	
METLER	813.5	823.5	10.0	(100%) 10.0	SAME.	
	823.5	833.7	10.2	99% 10.1	SAME. 831': 2 - 2 x 5mm MILKY QTZ, EP SEAMS (60°).	

LOGGED BY RWS

DRILL HOLE LOG

DUVAL SULPHUR & POTASH COMPANY — HOLE NO.

PROJECT — SIZE — TYPE

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FROM	TO	INTERVAL	RECOVERY	CHARACTER	REMARKS
833.7	844.0	10.3	100% 10.3 +	SAME. 836': UP TO 10MM QTZ (MILKY) IN IRREGULAR MASSES. 839.4: 1-3MM MILKY QTZ (60°). WK-MD FRACTURING.	
844.0	854.0	10.0	(100%) 10.0	SAME. WK FRACTURING.	
854.0	861.5	7.5	(89%) 6.7	SAME. FRACTURES NEAR VERTICAL.	3-31-60 SHIPLEY
861.5	866.0	4.5	(98%) 4.4	SAME. MD FRACTURING (70°, 80°).	
866.0	875.0	9.0	(91%) 8.2	SAME. MD-ST FRACTURING (30°, 35°, 50°, 75°, 85°).	
875.0	877.2	2.2	(100%) 2.2	SAME. ST FRACTURING. 876.3': STRIATIONS, SLICKENSIDES (75°). RUST STAINING + SOME CAL.	
877.2	879.2	2.0	(95%) 1.9	SAME. ST FRACTURING, PARTICULARLY AT 879'. WK CAL ON 65-70° FRACTURES.	
879.2	885.0	5.8	(33%) 1.9	SAME. ROCK ESSENTIALLY PULVERIZED TO GRAVEL — ONLY 1.4' OF SOLID CORE. VERY WK CAL ON FRACTURE SURFACES. BUT MD MN OXIDES — DENDRITES, + EP.	LOST CORE BY MIGRATED ROCK PULVERIZED.
885.0	890.0	5.0	(88%) 4.4	SAME BUT WK FRACTURING — SOLID CORE. A FEW MASSES OF CAL (3X10MM).	METLER
890.0	900.2	10.2	(94%) 9.6	SAME. 896.6-897.6': 1-2MM QTZ (70°) WITH VERY WK CAL. QTZ IS CLEAR. 899': BEGIN MD TO INTENSE FRACTURING WITH SLICKENSIDES + STRIATIONS ON SURFACES: 65° STRIATIONS ON 70° FRACTURES. 900': 70° FRACTURE WITH 1MM ORANGE LM + MINOR QTZ. NUMEROUS MINUTE RANDOM FRACTURES WITH EP.	
900.2	904.0	3.8	(45%) 1.7	STRUCTURALLY THE SAME ZONE AS BEGUN AT 899' BUT MORE CRUSHING. BEGINNING AT 900.2' ROCK IS DARKER, FROM INCREASED MN, + CONTAINS 1-3MM IRREGULAR ORANGE SPECKS (1 EVERY 3-6MM) — FROM 900.2-901.5'. DENDRITES + GENERAL MN COATINGS FAIRLY ABUNDANT ON ALL FRACTURE SURFACES. SLICKENSIDES COMMON. ROCK IS ARKOSITE FROM BRY?); CH REMAINS MD-ST, EP REDUCED.	20% WATER LOSS.
904.0	909.0	5.0	(34%) 1.7	SAME BUT WK DISSEMINATED FE OXIDE.	LOST CORE BY MIGRATION — 75% OF CORE RETRIEVED IS CRUSHED TO GRAVEL + REGULAR SIZE.
909.0	913.0	4.0	(25%) 1.0	SAME. ROCK STRONGLY BROKEN.	
913.0	917.0	4.0	(100%) 4.0 +	GENERAL MD FRACTURING.	4-1-60 SHIPLEY — TOTAL WATER LOSS FROM 913-928', VERY LITTLE CORE. WENT REAM NX TO 928'!
917.0	928.0	11.0	(29%) 3.2	SAME BUT ST FRACTURING.	

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DRILL HOLE LOG

DUVAL SULPHUR & POTASH COMPANY — HOLE NO. DDH #1

PROJECT Saskatoon — SIZE — TYPE

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FROM	TO	INTERVAL	RECOVERY	CHARACTER	REMARKS
928.0	932.0	4.0	(25%) 1.0	Same But MR Fracturing; However, Much of Core Retrieved is Cave Material + Consists Largely of Rubble.	NXC. (Reamed To 928' Cored To 932' In NXC). No Water Return; Very Rough Reaming.
932.0	934.0	2.0	(95%) 1.9	Same. MR Fracturing.	100% Water Return (Hole Cased To 932'). BIC Size Core.
934.0	944.0	10.0	(100%) 10.0	Same ("General"). MR To WK Fracturing (15, 70, 75°) A Few Minute Vertical EP Seams.	
944.0	951.5	7.5	(100%) 7.5	Same But Inclusions Less Distinct. 944.6 - 948': Rock Dark Gray To Purplish Red, Some Inclusions With ST EP. CAL: 946': 2-3mm (70°). Other CAL Fractures 35+ 70°. MR-ST Fracturing.	
951.5	957.0	5.5	(98%) 5.4	Same. MR Fracturing.	
957.0	957.5	1.5	(27%) 0.4	Same.	Lost Core By Misfeed.
958.5	962.0	3.5	(31%) 1.1	Same To Approximately 961': 961 - 962.5': Felsitic Textured, Light Pink To Tannish Green.	Lost Core By Misfeed.
962.0	970.0	8.0	(98%) 7.8	"General", But Relatively Few Inclusions. 969.5': 1-2" Silvery Colored Talc-Like Material — Fault (45°) MR-ST Fracturing.	Shipley
970.0	974.5	4.5	(71%) 3.2	Same To 971.5' (Approx.). 971.5 - 987.0: Inclusions Profuse, Closely Spaced, Generally Lighter In Color Than Matrix, + Very Well Defined (Sub-Angular To Rounded Predominate). Color Predominantly Pinkish Tan To Brown, But Also With Light Green Cast. Core Surface Shows Eroding At Inclusion - Matrix Contacts — Not Common. MR-ST Fracturing: WK Pink-Red Stains Not Uncommon (45°, 60°).	
974.5	981.0	6.5	(100%) 6.5	As Above. Cal: 1-2mm (35°).	
981.0	985.5	4.5	(89%) 4.0	As Above.	
985.5	995.5	10.0	(100%) 10.0 +	"General". MR-WK Fracturing.	4-12-60 Metler
995.5	1005.5	10.0	(100%) 10.0	"General" To 1004'. 1004' - 1050.7' Again Essentially Homogeneous - Textured Rock Which For The Most Part Lacks Inclusions When Present, They Are Very Indistinct In Form + Outline. Rock, However, Has Same Composition (Megascopic) + Texture As Matrix + Most Inclusions Of "General" Flow Breccia. 999.5 - 1002': MR-WK Fracturing. Fine To Medium Grained With Specks Of Epcd.	Total Water Loss Beginning @ 1002'.
1005.5	1007.0	1.5	(100%) 1.5	As Above. Color Usual Medium Green. 1002 - 1017.5': ST Fracturing.	

4-11-60 Metler

LOGGED BY AJS

DRILL HOLE LOG

DUVAL SULPHUR & POTASH COMPANY — HOLE NO. _____

PROJECT _____ SIZE _____ TYPE _____

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FROM	TO	INTERVAL	RECOVERY	CHARACTER	REMARKS
			(72%)		
1007.0	1009.5	2.5	1.8	As Above. ST Fracturing.	
			100%		
1009.5	1011.0	1.5	1.8	As Above.	
			(94%)		
1011.0	1017.5	6.5	6.1	As Above. 1012.5': Striations On 25° Fracture Dip 20-25°. Color Brownish Pea-Green (Green From Increased EP In Multitude of Fine Fractures + Specks — Particularly From 1012.5-1015'. WK-MO Milky-White Qtz In This Interval: 20°, 45°, 60°, 1-2mm). Non-Mineralized Fractures Predominantly 20°.	
			(82%)		
1017.5	1025.5	8.0	6.6	Inclusions Somewhat More Distinct. Color Less Pink, More Green. 1018': 5mm Xline, Vuggy Cal - 80°. 1024': Up To 15mm Milky White Qtz In Irregular Cavity Fillings. MO-ST Fracturing.	
			(66%)		
1025.5	1032.0	6.5	4.3	Same. 1026': Qtz As Above.	NX Core: Reamed + Cased Hole To 1032'.
			(87%)		
1032.0	1035.0	3.0	2.6	Same, But Rock Pinker From 1034-1050.5'. WK-MO Fracturing.	AX
			(100%)		
Shirley 1035.0	1040.0	5.0	5.0	Same. MO Fracturing.	
			(44%)		
1040.0	1045.0	5.0	2.2	Same.	Lost Core By Misiatch.
			(69%)		
1045.0	1048.5	3.5	2.4	Same Rock, But 1045.2-1050.5' Is A Shear or Fault Zone With Intense Fracturing (Slickensides Profuse) + Local Crushing: Zone Dips Between 45+70°. Striations Profuse + Chaotic, Dipping From Ca. 05-70°.	
			(100%)		
4-16-60 Metler 1048.5	1051.0	2.5	2.5	Same Rock To 1050.5'. 1050.5'-1059.0':	
				1050.5': Begin Medium-Dark Gray Holocrystalline, But Weakly Porphyritic Rock. Phenocrysts of Feldspar Are 1-3mm Across, White, 2-3mm Specks (Irregular) of EP + CH MO. WK Disseminated Bright Red Stone (1-2mm) + Some Red Banding. EP Locally ST — In Specks + Minute Seams. MO-ST Cal (1-3mm) In Very Strong Fracture System (45-70°). This Rock Resembles Strongly The Rock Found In Walnut Wash Between Laboom #2+3, + Also On Key Claim Group. Striations + Cal On Most Fractures. Striations Chaotic, As Above, But Generally Have Lesser Dip Than Fractures.	
			(100%)		
1051.0	1057.0	6.0	6.0	As Above. Occasional Light Brownish Red Green Breaks With Increase In EP.	
			(30%)		
1057.0	1059.0	2.0	0.6	As Above.	Lost Core By Misiatch.
			(95%)		
1059.0	1061.0	4.0	3.8	Begin Medium Green Flow Rock (?) Similar To That From 1004-1011'. Very Few Inclusions — Those Present Are Generally Indistinct In Outline + Have Low Color Contrast. EP Generally ST But Locally MO (Same With CH). Small Specks, Blotches, + Coatings (Especially Dendrites) of Mn Oxides Common. MO-ST Fracturing (This Interval).	

LOGGED BY RWS

DRILL HOLE LOG

DUVAL SULPHUR & POTASH COMPANY — HOLE NO. _____

PROJECT _____ SIZE _____ TYPE _____

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FROM	TO	INTERVAL	RECOVERY	CHARACTER	REMARKS
			(84%)		
1067.0	1068.0	5.0	4.2	As Above. MD-ST Fracturing.	
			(100%)		
1068.0	1070.5	2.5	2.5	As Above. ST Fracturing.	
			(100%)		
1070.5	1075.5	5.0	5.0	As Above. MD Fracturing. Cal: 1074'; 1-2mm at 75° + Near Vertical).	
			(100%)		
1075.5	1085.5	10.0	10.0	As Above. MD Fracturing (45°, 60°, 70°, 75°). Cal: 1-3mm at 1079.5 (70°). 1082.5': 3-10mm of Milky White + Light Ank Mineral (H. Ca. 4, Fine Grained). — Locally Fine Grained Silica Associated With Ep.	
			(96%)		
1085.5	1094.5	9.0	8.6	As Above. MD Fracturing. Wk Cal On Some Fractures (50°, 90°). 1088': Cal, Ep, Matrix Surrounding Minute Br Fragments (45°). 1093.5-1094.5': MD Disseminated Red Specks — Inclusion (?).	
			(100%)		
1094.5	1104.0	9.5	9.5	As Above. MD Fracturing (70°, 40°). Cal: 1096'— 1-2mm (80°). Qtz: 1099.5': — 3mm (85°); Vuggy (Xls).	4-18-60 Metzer
			(72%)		
1104.0	1106.5	2.5	1.8	As Above.	
			(97%)		
1106.5	1116.7	10.2	9.9	As Above. MD Fracturing (75°). Some Cal (50°). Mn Staining (Dendrites, Specks) Increasing. A Few Ep Seams.	
			(100%)		
1116.7	1119.5	2.8	2.8	As Above. MD Fracturing.	
1119.5	1123	3.5	2.5	As Above. ST Fracturing.	Shipley
1123	1125.5	2.5	2.0	As Above. MD Fracturing. Cal: 2mm - 20°; 1mm - 65°; 3mm (Xls) - 75°).	
			(18%)		
1125.5	1131.0	5.5	1.0	As Above. 3mm Cal (Later) - Qtz Seam — Vuggy. Rust Stains, Ep, Dendrites Also.	
			(90%)		
1131.0	1141.0	10.0	9.0	As Above, But Medium To Dark Green. Mn Coatings Abundant In Steep Fractures (Fractures Are Minute, Irregular, 70° To Vertical). 1139-1141': Several 1-3mm Vuggy Qtz Seams With Occasional Rust Stains (75°). Core Crushed 1140-1141'. MD Fracturing To 1140', ST Beginning 1140'.	4-19 Ro Meiler
			(80%)		
1141.0	1145.0	4.0	3.2	As Above. ST Fracturing (65°, 25°, 80°). Cal: 1-3mm- 75°.	

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DRILL HOLE LOG

DUVAL SULPHUR & POTASH COMPANY — HOLE NO. _____

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	FROM	TO	INTERVAL	RECOVERY	CHARACTER	REMARKS
				(87%)		
	1145.0	1149.0	4.0	3.5	As above, but increase in EP. ST fracturing.	
				(100%)		
Shipley	1149.0	1158.0	9.0	9.0 +	Same to 1150' (1059 - 1150').	
					1150 - 1158.5': Massive dark gray rock similar to that from 1050.5 - 1059'. Andesite porphyry (?): Phenocrysts to 3mm, somewhat lath-like (feldspar).	
					Possibly some orientation. EP MD-WK, CH WK but obvious. EP in minute seams + irregular splotches.	
					MD-ST fracturing but core largely whole.	
					Fractures commonly with red stains from MD-ST disseminated, minute specks (+1-2mm) of metallic mineral (red streak, possibly ilmenite or HM-?). WK	
					CAL common on fracture surfaces. Fractures 15°, 20°, 30°, 70°, 75°. Red stains 20°, 75°. Dark gray rock appears to be gradational with surrounding rock.	
				(100%)		
4-20-60 Metzer	1158.0	1167.3	9.3	9.3	Same to 1158.5'.	
					Begin 1158.5': Rock similar to that from 1059-1150'. MD-ST EP, CH. 1-2mm CAL - 80 to 90°. Numerous minute	
					EP seams. MD fracturing. Distinct flow BR at 1162'.	
				(100%)		
	1167.3	1177.3	10.0	10.0	As above. 1-3mm CAL - 70°, 80°. Some CAL-EP vugs.	
				(100%)		
	1177.3	1183.5	6.2	6.2 +	As above, but inclusions locally very distinct in	
					outline. Some fine-grained reddish matrix. MD-ST	
					fracturing. WK CAL.	
				(93%)		
	1183.5	1190.5	7.0	6.5	Same as 1158.5 - 1177.3'. CAL: 1-3mm (75°). ST fracturing.	
				(100%)		
4-21-60 Metzer	1190.5	1200.0	9.5	9.5 +	Same. WK-MD fracturing. WK CAL (75°).	
				(100%)		
	1200.0	1210.0	10.0	9.6 ↑	Same, but locally very hard, dense (+ slow	
					drilling). MD-WK fracturing.	
				(100%)		
4-25-60 Metzer — Fault Zone	1210.0	1213.0	3.0	3.0	Medium brownish green flow breccia. MD EP, ST CH.	
					WK fracturing.	
				(100%)		
	1213.0	1223.0	10.0	10.0	Same to 1220.7': (1220.7 - 1228.0') — Very hard, dark	
					purplish gray, medium porphyritic rock with feldspar	
					phenocrysts + specks (MD) of EP. Minute seams of EP +	
					reddish bands common. WK metallic mineral (ilmenite-?).	
					Dark green mafic in discrete grains - pyroxene?	
					Rock somewhat similar to that at 1150 - 1158.5'.	
					This zone perfectly gradational with green flow rock	
				(100%)		
4-26-60 Metzer (Okm).	1223.0	1230.5	7.5	7.5	Flow breccia from 1228.0 - 1241.0'. MD-WK fracturing	
				(100%)		
	1230.5	1239.5	9.0	10.1	As above. WK fracturing (20°, 40°). 5mm CAL (85°) at	
					1235.3'.	
				(100%)		
	1239.5	1247.2	7.7	7.7 +	Same to 1241.0': (1241.0 - 1256.8') — Rock is dark	
					purplish gray (similar to above dark gray zones).	
					1241.0 - 1247.0': Rock is texturally similar to dark	
					gray rock but is light-medium green — This zone	

LOGGED BY RWS

DRILL HOLE LOG

DUVAL SULPHUR & POTASH COMPANY — HOLE NO.

PROJECT — SIZE — TYPE

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FROM	TO	INTERVAL	RECOVERY	CHARACTER	REMARKS
				ARE PERFECTLY GRADATIONAL. WK-MO DISSEMINATED RED SPECKS (.1mm - 2mm) IN DARK GRAY ROCK. MO FRACTURING. EP-CAL SEAMS COMMON (20°, 40°, 50°, 75°). WK EP.	
1247.2	1256.0	8.8	(100%) 8.5 +	AS ABOVE.	
1256.0	1266.0	10.0	(100%) 10.0	SAME TO 1256.8'. ROCK LIGHT GREEN TO PINKISH GREEN — PINKISH COLOR POSSIBLY MATRIX MATERIAL AROUND VERY WEAKLY DEFINED INCLUSIONS. LIGHTER ROCK HAS MO-ST EP, DARKER ROCK GENERALLY LESS. COLORING A MATTER OF ALTERATION — 1264.5': A 2-3mm 90° EP "VEINLET" HAS BLEACHED "HALO" EXTENDING OUT FROM THE FRACTURE. BEYOND THE "HALO" ROCK IS DARK GRAY. LITTLE EP IN DARKER AREAS, MO-ST EP IN LIGHTER AREAS. ST FRACTURING THIS INTERVAL (EP LINED FRACTURES - 20°, 65°, 85°). ALTHOUGH CORE IS LARGELY UNBROKEN.	4-27-60 METLER
1266.0	1276.0	10.0	(100%) 10.0	SAME BUT ROCK LIGHT GREEN FROM ST EP. POSSIBLE FLOW BANDING 40-50°, BUT LOCALLY CHAOTIC. WK FRACTURING.	
1276.0	1286.0	10.0	(100%) 10.0	SAME. WK FRACTURING. 1284': ROCK ESSENTIALLY THE SAME AS ABOVE DESCRIBED BUT BEGINNING HERE: DIFFUSE, DARK GRAY BANDS + IRREGULAR SPLOTCHES ARE GRADATIONAL (COLOR-WISE) WITH "NORMAL" GREEN COLOR. APHYRITIC TEXTURE IS CLEAR.	
1286.0	1296.0	10.0	(100%) 10.0	SAME, BUT COLOR PREDOMINANTLY DARK GRAY. DECREASE IN EP. FEW FRACTURES. MINOR CAL + QTZ (MILKY) - CAL. WK DISSEMINATED METALLIC SPECKS (RED STREAK) IN DARKER (FRESHER) ROCK. 1296-1298': DARK MAROON-GRAY FELSITIC MATRIX ENCLOSING INCLUSIONS - FLOW BX (?).	
1296.0	1306.0	10.0	(100%) 10.0	SAME. INCLUSIONS FAIRLY DISTINCT (ROCK SIMILAR TO "GENERAL" - FLOW BRECCIA). WK FRACTURING. COLOR VARIES FROM LIGHT GREEN TO DARK GRAY, WITH SOMEWHAT MOTTLED APPEARANCE. MINOR MILKY QTZ.	4-28 60 METLER
1306.0	1316.0	10.0	(100%) 10.0	SAME MOTTLED APPEARANCE BUT INCLUSIONS LACKING. LOCALLY VERY ST EP - IN LIGHTER BLEACHED AREAS. SOME RED HM ASSOCIATED WITH EP AT 1311.3'. WK DISSEMINATED REDDISH SPECKS NOT UNCOMMON. WK FRACTURING.	
1316.0	1320.5	4.5	(100%) 4.5	SAME. MO CAL — 60°, 85°, + NEAR VERTICAL FRACTURES.	4-29-60 METLER FAST DRILLING.
1320.5	1330.5	10.0	(100%) 10.0	ROCK PREDOMINANTLY DARK GRAY BUT WITH PROMINENT FELDSPAR + CHLORITIZED MAFIC PHENOCRYSTS (ALSO IRREGULAR MASSES OF EP). ROCK IS HARD, FRESH LOOKING. MINUTE RED SPECKS PRESENT BUT NOT PROMINENT. IRREGULAR MASSES OF METALLIC GRAY-BLACK MINERAL NOT UNCOMMON (.1mm - 5mm) → RED STREAK, SOME MAGNETIC (MAGNETITE + HM), BUT ALSO SOME ILMENITE. EP, CN MO. WK FRACTURING.	FAST DRILLING — 10' IN ½ HR.
1330.5	1340.5	10.0	(100%) 10.0	SAME. 1339.9': 3x10mm MASS OF ILMENITE (?). WK FRACTURING.	

LOGGED BY RJS

DRILL HOLE LOG

DUVAL SULPHUR & POTASH COMPANY — HOLE NO. _____

PROJECT _____ SIZE _____ TYPE _____

LOCATION _____ START _____

N _____ E _____ ELEV. _____ STOP _____

	FROM	TO	INTERVAL	RECOVERY	CHARACTER	REMARKS
	1340.5	1350.0	9.5	(100%) 9.5	As Above. WK Fracturing - WK Cal - 60°, 15°. Minute EP Seams.	Stub Left In Hole.
	1350.0	1357.3	7.3	(100%) 7.3	Same.	Stub Left In Hole.
	1357.3	1360.0	2.7	(67%) 1.8	Same.	
	1360.0	1366.0	6.0	(100%) 6.0	Same. MD Fracturing But Core Largely Unbroken. Cal-EP In Fractures. Mafics Show Varying Degrees of Oxidation (Red Specks Mentioned Above Are For Most Part Oxidized Mafic Minerals - Probably Hb, Possibly Some Bio).	
4-20-60	1366.0	1375.5	9.5	(100%) 9.5	Same, But 1372.5-1377.9': 0.5-2 cm EP-Qtz-Cal (In That Order)-Lined Fracture. Vuggy - EP xls Up To 1cm, Cal To 5mm. Rock Light Pea Green From EP Alteration. Mafics With Red Rims, Some Entirely Red. Above Fracture 80-85°.	
	1375.5	1385.5	10.0	(100%) 10.0	As Above The 1373.5-1377.9' Zone. Several 70°+ 80°, Fractures With EP + 1-4mm Cal, Some Qtz. Ch (With EP) Becoming Common Along Fracture Surfaces.	
	1385.5	1392.0	6.5	6.2	As Above. WK Fracturing: 65°, With EP, Ch, + Some Carmine Red Oxides. Metallic Magnetite-Hm(?) Persists.	
	1392.0	1400.5	8.5	8.2	As Above. Local St EP From 3000', 90° EP-Cal Fracture. MD-WK Fracturing, But Core Largely Unbroken. Fractures 30°, 55°, 65°, 75°, 80-85°. 1397.5': 2-3mm Mass of Soft Red-Brown Hm In Cal Veinlet.	
	1400.5	1410.0	9.5	(100%) 9.5	Same. MD Fracturing With 1-10mm EP-Cal, Some Ch + Red Staining (20°, 50°, 65°, 75°, 85°+). Minor Milky White Qtz, Red Staining.	
5-3-60	1410.0	1418.5	8.5	(100%) 8.5	Same. WK-MD Fracturing.	
	1418.5	1427.0	8.5	(100%) 8.5	Same. WK Fracturing. Fairly Numerous Rounded Roughly Circular Bands Up To Ca. 0.5 Cm.	
	1427.0	1436.5	9.5	(100%) 9.5	Same. WK-MD Fracturing (Core Still Largely Unbroken, Very Hard, Dark Gray): 50°, 85° + With EP, Ch, Minor Cal. Some Carmine Red Staining. A Few Inclusions or Segregations (Medium Grained; St, Ep, Ch).	
	1436.5	1442.5	6.0	(100%) 6.0	Same. MD-ST Fracturing: 1439.7' + 1441.5': Striations Rip Ca. 70° On 75° Cal Coated Fractures. Some Orange-Red Staining. Ch-EP In 80° Fractures.	

LOGGED BY RWS

DRILL HOLE LOG

DUVAL SULPHUR & POTASH COMPANY

HOLE NO.

PROJECT SIZE TYPE

LOCATION START

N E ELEV STOP

FROM	TO	INTERVAL	RECOVERY	CHARACTER	REMARKS
1442.5	1450.4	7.9	(100%) 7.9	As Above. WK Fracturing. Minor Orange-Brown Staining. A Few 10° Fractures With CH, EP, CAL. CAL On Most Fracture Surfaces.	
5-5-60 1450.4	1454.5	4.1	9.2	Same. MO Fracturing.	
1454.5	1464.0	8.5	(100%) 9.5	Same. 1454.0 - 1455.2'; 3mm 80° Fracture With Orange - Reddish LM + Minute LM Pseudomorphs After Py In Vuggy Qtz, CAL + EP. WK-MO Fracturing.	
1464.0	1471.0	7.0	(100%) 7.0	Same. ST Fracturing; 1-3mm CAL Common. 70° & 80° Fractures Prominent. Slickensides On Many Surfaces. Minor Brownish Stain, Some CH.	
1471.0	1480.5	9.5	(100%) 9.5	Same. WK Fracturing.	
1480.5	1489.5	9.0	(100%) 9.0	Same. MO Fracturing; 80-85° Prominent. 3mm Milky Qtz-EP At 05°. 1-2mm CAL Common.	
1489.5	1495.3	5.8	(100%) 5.8	Same. MO Fracturing. WK CAL, Reddish Staining.	
1495.3	1500.8	5.5	(100%) 5.5	Same. WK Fracturing: 10°, 35°, 80°. WK CAL Common On Steep Fractures, EP On Low Angle Fractures. Some, But Very WK Red Staining On Some Fracture Surfaces. Rock Is Hard, Dark Gray, Porphyritic Although Phenocrysts Not Prominent By Color Contrast. EP, CH WK Except In Fractures. WK-MO Disseminated Metallic Gray-Black + Somewhat Splendent Mineral — Ilmenite + Possibly HM Associated With Magnetite. Reddish Irregular Closed Bands (Up To 1Cm Across) Common. A Few %'s Of Dark Green Mineral — Possibly Olivine (?). Rock Possibly Basaltic.	

LOGGED BY RWS

INSPIRATION DEVELOPMENT COMPANY
GEOLOGICAL DEPARTMENT
DIAMOND DRILL RECORD

HOLE NO. AW-1 [illegible]
FROM 0
ELEVATION 528' - S21°E of sec. cor. 25, 26, 35, 3[illegible]
COORDINATES _____ N _____ : T5S, R26E
DIRECTION _____
INCLINATION _____ DEPTH _____
STARTED _____ COMPLETED _____

SCALE: 1" = 20'

SECTION	COLUMN	GEOLOGY: LITHOLOGY	GEOLOGY: STRUCTURE	GEOLOGY: MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SECTION	SAMPLE NUMBER	Cu	Ag	Au
HAMMER DRILL TO 322'		ANDESITE & ANDES. AGGLOMERATE FINE GRAIN, LIGHT GRAY GNDM. EPIDOTE PHENO		EPIDOTE HEMATITE	5				78601	.03		
					10							
					15							
					20							
		20 ANDESITE GRAY GREEN very fine grained			25							
					30				78602	.02		
				Epidote $Fe_2O_3^{(-)}$	35							
					40							
					45							
					50							
					55				78603	.02		
					60							
		60' ANDESITE GRAY GREEN Slightly porphyritic			65							
					70							
					75							
					80				78604	TR		
					85							
				Epidote $Fe_2O_3^{(-)}$ Tr FeS_2	90							
					95							
					100							
					105				78605	TR		
					110							
					115							
					120							
					125							
					130				78606	.02		
					135							
					140							
					145							
				EPIDOTE Fe_2O_3 Tr. FeS_2	150							
					155				78607	.02		
					160							
					165							
					170							
					175							

INSPIRATION DEVELOPMENT COMPANY

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO.
FROM 175
ELEVATION
COORDINATES N
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

SCALE: 1" = 20'

SECTION	COLUMN	GEOLOGY: LITHOLOGY	GEOLOGY: STRUCTURE	GEOLOGY: MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SECTION	SAMPLE NUMBER	Cu	Ag	Au
HAMMER DRILL TO 322'					180				78608			
					185							
					190							
				Epidote $Fe_2O_3^{(-)}$ Tr. FeS_2	195							
					200							
					205				78609			
					210							
					215							
					220							
					225							
					230				78610			
		230 Andesite Dark Gray slightly porphyritic			235							
					240							
				Epidote, $Fe_2O_3^{(-)}$ Tr. FeS_2, speck Au?	245							
					250							
					255				78611			
					260							
					265							
					270				78612			
					275							
					280				78613			
					285							
					290							
					295							
					300							
					305				78614			
					310							
				Increase in epidote	315							
					320							
320		322'										
+		20°-30° FRACS	Light Gray, Fine Grain Andesite with phenos of Epidote Light Green color	Solid FRACS @ 20°-30° FRACS @ 70°-90° 337' crush 1"	Epidote phenos on fracs. Black Hematite on 0°-20°-30° fracs	325	3	100				
330		0° FRAC				330	5	100				
						335	5	100				
+		crush 1"				340	5	100				
340		0° FRAC				345	5	100				
						350	5	100				

INSPIRATION DEVELOPMENT COMPANY

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. [illegible]
FROM [illegible]
ELEVATION
COORDINATES N
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

SCALE: 1" = 20'

GEOLOGY

SECTION	COLUMN		LITHOLOGY	STRUCTURE	MINERALIZATION
		20° CALCITE VLT.	SAME	SAME	SAME
				FRACS @ 70°-90° MINOR FRACS @ 20°-30°	
		20° QTZ VLT			
		20° TALC SLICK			
		20° CAL. VLT			
		0° FRAC			
		30° FRAC.			
		10° SERP SLICK	388'-390' ANDESITE AGGLOMERATE	ROUNDED & SUB-ROUNDED FRAGS OF ANDESITE WITH EPIDOTE PHENOS-IN LIGHT GREEN, FINE GRAIN CEMENT - LIGHT PINK, FINE GRAIN PHENOS TO 1" IN CEMENT	
			PORPH. ANDESITE SAME AS ABOVE 396'		
		20° FRAC	ANDESITE AGGLOMERATE SAME AS ABOVE		
		20° FRAC			
		0° FRAC-EPIDOTE			
		40° CAL. VLT			
		0° CAL. VLT-HEM.			
		60° HEM			
		30° CAL VLT			
		20° CAL. VLT			
		30° SERP SLICK			Lt. And. ser. argill 448-449' EPIDOTE
		10° CAL. VLT-HEM.	452'		
		20° VUGGY CAL VLT	PORPH ANDESITE SAME AS ABOVE	FRACS @ 70°-90° MINOR FRACS @ 10°-20°-30°	
		10° CAL. VLT			
		30° CAL VLT.			
		20° CAL. VLT-HEM			
		10° FRACS-HEM	470'		
		20° CAL. VLT-HEM	ANDESITE AGGLOMERATE SAME AS ABOVE		
		30° CAL. VLT			
		30° VUGGY CAL VLT			
		[illegible]			

CORE ASSAYS

SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	SECTION	SAMPLE NUMBER	Cu	Ag	Au	CuOx
355	5	100		78615	.03			
360	5	100						
365	5	100						
370	5	100						
375	5	100						
380	5	100						
385	5	100						
390	5	100						
395	5	100						
400	5	100						
405	5	100		78616	.03	0.10	Tr	—
410	5	100						
415	5	100						
420	5	100						
425	5	100						
430	5	100						
435	5	100						
440	5	100						
445	5	100						
450	5	100						
455	5	100		78617	.02			
460	5	100						
465	5	100						
470	5	100						
475	5	100						
480	5	100						
485	5	100						
490	5	100						
495	5	100						
500	5	100						
505	5	100		78618	.02	0.15	Tr.	—
510	5	100						
515	5	100						
520	5	100						
525	5	100						

INSPIRATION DEVELOPMENT COMPANY

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. A.W. 1 [illegible]
FROM 525
ELEVATION
COORDINATES N E
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

SECTION	COLUMN	GEOLOGY	LITHOLOGY	STRUCTURE	MINERALIZATION	SURVEY	Footage of core recovered	CORE ASSAYS SECT.	SAMPLE NUMBER	CU.	CU.OX.	Ag	Au
		FRECCIA CRUSH	525-545' BRECCIA ANGULAR FINE GRAIN, LIGHT GRAY GNOM. ANDESITE FRAGS TO ½" IN CLAY-SERP CEMENT-SOFT.	525'-545' CRUSH	SAME	530	5						
						535	5						
						540	5						
						545	5						
			ANDES AGGLOM. SAME AS ABOVE	SOLID	4. and, comp. sericit. argill.	550	5						
		CRUSH-SERP 20° SERP SLICKS-CALCITE 0° HEM		555'-556' CRUSH FRACS @ 70°-90°		555	5		78619	.03			
						560	5						
		0° SERP SLICK	567'-624' PORPH.: ANDES. SAME AS ABOVE			565	5						
						570	5						
		10° CALCITE VLT.				575	5						
						580	5						
						585	5						
		10° CAL. VLT. 0° VUGGY CAL. VLT ½"				590	5						
						595	5						
						600	5						
						605	5		78620	.03	—	0.10	Tr.
						610	5						
						615	5						
						620	5						
					HVY SERPENTINE	625	5						
		10° SERP SLICKS 30° VUGGY CAL. VLT ½" 30° CAL. VLT. 40°-10°-20° CAL. VLTS.	ANDES. AGGLOM. SAME AS ABOVE 635' PORPH. ANDESITE SAME AS ABOVE	627'-628' MANY SERP SLICKS 10° 629' VUGGY CALCITE VLT ½" WITH ANDES. FRAGS.		630	5						
						635	5						
						640	5						
		10°-30° CAL VLTS				645	5						
						650	5						
		0° CAL. VLT				655	5		78621	.02			
						660	5						
		30° CAL. VLT. 20° CAL VLT				665	5						
		20° CAL. VLT.				670	5						
				674'-676' CRUSH		675	5						
		20°-0° CAL. VLT 10° CAL. VLT. 0° CAL VLT				680	5						
						685	5						
						690	5						
		10°-20° CAL. VLTS				695	5						
						700	5						

INSPIRATION DEVELOPMENT COMPANY

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. D.H. 1 (
FROM 700
ELEVATION
COORDINATES N
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

SECTION	COLUMN	GEOLOGY				SURVEY	Footage of core recovered	CORE ASSAYS						
			LITHOLOGY	STRUCTURE	MINERALIZATION			SECT.	SAMPLE NUMBER	CU.	CU.OX.	Ag	Au	
		0°-20° SERP	SAME	SAME	SAME	705	5		78622	.02	—	0.05	Tr	
		70° SERP	703'-713' PLAG. & BIO PHENOS To 1/4" LIGHT GREEN COLOR			710	5							
		10° CAL. VLTS.				715	5							
		20° CAL. VLT.				720	5							
		10° SERP				725	5							
		20° CAL. VLT				730	5							
		0° SERP	730'-734' PORPH ANDES DARK GRAY COLOR PLAG. PHENOS VERY SMALL			735	5							
		10° SERP SLICK				740	5							
		30° CAL. VLTS				745	5							
			734' PORPH ANDES DARK GRAY, PLAG. PHENOS VRY SMALL	734'-746' WELL FRACTURED WITH SERP ON FRACS	734'-746' HVY SERP	750	5							
		0° CAL. VLT				755	5		78623	.03				
		20° CAL. VLT.				760	5							
						765	5							
		0°-30° CAL. VLTS				770	5							
		0° SERP SLICK				775	5							
		20° SERP				780	5							
						785	5							
		30°-0° CAL VLTS.				790	5							
						795	5							
		70° CAL VLTS.				800	5							
		80° SERP				805	5		78624	.02	—	0.10	0.05	
		50° HV Cu Pitch? 50° SERP SLICKS		FRACS @ 0°-60°		810	5							
		10° HV Cu Pitch? CALCITE				815	5							
		0°-60° BROWN FEOX				820	5							
		60° TO CHAYS	820'			825	5		78625	.15	—	0.15	Tr	
		MAR FeOx 0° SERP SLICK	ALTERED ANDES. BLEACHED HVY MAROON FeOx		HVY MAROON FeOx	830	5							
		HVY MAR FeOx				835	5							
		30° SERP SLICK				840	5							
		20° SERP SLICK				845	5							
		0° SERP SLICK				850	5							
					Oxid disseminated casts	855	5							
		70° HV. CHAYS	856			860	5		78626	.31	—	0.15	.005	
		30° CAL VLT	PORPH ANDES. DARK GRAY, FINE GRAIN GRAY Some EPIDOTE PHENOS PLAG. PHENOS To 1/8"			865	5							
		30° CAL VLT			Lt. and. oxid. casts	870	5							
		0° CAL VLT				875	5							
		40° SERP SLICK												

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

SCALE: 1" = 20'

HOLE NO. A. H. 1 (Sec. 1000)
FROM 875
ELEVATION
COORDINATES N
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

SECTION	COLUMN	GEOLOGY: LITHOLOGY	GEOLOGY: STRUCTURE	GEOLOGY: MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SECTION	SAMPLE NUMBER	Cu	Ag	Au	Cox
880		SAME	SAME	SAME	880	5	100						
					885	5	100						
890		890' 6" CALCITE AROUND ANDESITE FRAGS	FRACS @ 10°-20°-30°-50°		890	5	100						
					895	5	100						
		898' CORE BECOMES LIGHT GREEN COLOR - VERY SMALL BIOTITE XLS COARSER GRAINED			900	5	100						
900					905	5	100		78627	0.04			
					910	5	100						
					915	5	100						
		918' CORE BECOMES DARK GRAY COLOR VERY SMALL BIO. XLS. FINE GRAINED			920	5	100						
920					925	5	100						
					930	5	100						
930					935	5	100						
					940	5	100						
					945	5	100						
					950	5	100						
			FRACS @ 0°-80°	RED FeOx ON FRACS	955	5	100		78628	.02	0.05	Tr	-
				SERP ON FRACS	960	5	100						
960				SOME CALCITE ON FRACS	965	5	100						
					970	5	100						
					975	5	100						
					980	5	100						
980					985	5	100						
					990	5	100						
					995	5	100						
					1000	5	100						
			FRACS @ 50°		1005	5	100		78629	.02			
					1010	5	100						
		1015' ROCK BECOMES LIGHT GREEN COLOR MORE EPIDOTE	FRACS @ 20°-80°		1015	5	100						
					1020	5	100						
					1025	5	100						
					1030	5	100						
					1035	5	100						
					1040	5	100						
				BLACK HEM. ON FRACS	1045	5	100						
					1050	5	100						

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. A. W. 1 (Pow Wow)
FROM 1050
ELEVATION
COORDINATES N
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED
SCALE: 1" = 20'

SECTION	COLUMN	GEOLOGY			SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS					
		LITHOLOGY	STRUCTURE	MINERALIZATION				SECTION	SAMPLE NUMBER	Cu	Ag	Au	
		10° BRECCIATED, BLACK SERPENTINE 10° SERP SLICK	SAME	SAME	1055	5	100		78630	.03	0.10	Tr	
		30° CAL. VLT.			1060	5	100						
		20° SERP SLICK 10° SERP SLICK			1065	5	100						
		20° CAL. VLT.	1062' PLAG PHENOS BECOME UP TO 1"	FRACS @ 0°-20°-30°	1070	5	100						
		1068' ANDES. AGGLOM. SAME AS ABOVE											
		30° CAL VLT.			1075	5	100						
		0° CAL VLT.	1078'-1089' PLAG. & EPIDOTE PHENOS TO 1"		1080	5	100						
		10° SERP SLICK			1085	5	100						
		30° CAL. VLT			1090	5	100						
		0°-20° CAL. VLT.			1095	5	100						
					1100	5	100						
		20° CAL. VLTS.			1105	5	100		78631	.02			
		0° CAL. VLT.		FRACS @ 0°-20°-80°	1110	5	100						
					1115	5	100						
					1120	5	100						
					1125	5	100						
		20° SERP SLICK			1130	5	100						
		80° CAL. VLT			1135	5	100						
		1136' PORPH. ANDES. SAME AS ABOVE			1140	5	100						
					1145	5	100						
					1150	5	100						
		20° CAL. VLT. 40° CAL. VLT.			1155	5	100		78632	.04	0.10	.005	
		0°-20° CAL. VLTS			1160	5	100						
					1165	5	100						
		40° CAL. VLT.			1170	5	100						
					1175	5	100						
		20° CAL VLT			1180	5	100						
		1185' 30° CAL. VLT ANDES AGGLOM. SAME AS ABOVE			1185	5	100						
		30° CAL VLT			1190	5	100						
				Hand	1195	5	100						
					1200	5	100						
		10° CAL VLT			1205	5	100		78633	.02			
					1210	5	100						
					1215	5	100						
		70° CAL VLT			1220	5	100						

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. A.W. 1 (Pre Hole)
FROM 1225
ELEVATION
COORDINATES N
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED
SCALE: 1" = 20'

SECTION	COLUMN	GEOLOGY: LITHOLOGY	GEOLOGY: STRUCTURE	GEOLOGY: MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SECTION	SAMPLE NUMBER	Cu	Ag	Au
		SAME	SAME	SAME	1230	5	100					
					1235	5	100					
		1240'			1240	5	100					
		30° CAL. VLT	PORPH. ANDESITE SAME AS ABOVE	FRACS @ 0°-30°-80°	1245	5	100					
		20° CAL. VLT			1250	5	100					
		10° RED BAN FeOx			1255	5	100		78634	+r	TR	TR
					1260	5	100					
					1265	5	100					
					1270	5	100					
		10° CAL. VLT			1275	5	100					
		20° CAL. VLT			1280	5	100					
					1285	5	100					
					1290	5	100					
					1295	5	100					
					1300	5	100					
		0° SERP. SLICK HVY BRN FeOx	1305' CORE SOFT	HVY SERP	1305	5	100		78635	+x		
					1310	5	100					
					1315	5	100					
		10° HEM.			1320	5	100					
		20° CAL. VLT			1325	5	100					
		0° CAL. VLT-HEM.			1330	5	100					
					1335	5	100					
		HEM VLT 3° CRUSH HVY MAR. FeOx	1333'-1337' CRUSH HVY MAROON FeOx		1340	5	100		78636	.13	TR	TR
					1345	5	100					
					1350	5	100					
					1355	5	100		78637	+x	TR	TR
					1360	5	100					
					1365	5	100					
		10° RED FeOx			1370	5	100					
		40° CAL. VLT. 5° CAL VLT.			1375							
		10° CAL VLT.			1380							
					1385							
		30° CAL. VLT. 20° SERP SLICK	1389' DARK ANDES. BECOMES LIGHT GREEN EPIDOTE INCREASES		1390							
					1395							

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. A.W.1 (Rec. Hole)
FROM 1400
ELEVATION
COORDINATES N
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED
SCALE: 1" = 20'

SECTION	COLUMN	GEOLOGY: LITHOLOGY	GEOLOGY: STRUCTURE	GEOLOGY: MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SECTION	SAMPLE NUMBER	Cu	Ag	Au	
		SAME	SAME	SAME	1405	5	100		78638	0			
			FRACS @ 0°-10°-70°-80°		1410	5	100						
					1415	5	100						
					1420	5	100						
					1425	5	100						
		1421'-1436' DARK GRAY CORE COARSE GRAINED ANDESITE-HORNBLENDE XLS.			1430	5	100						
					1435	5	100						
					1440	5	100						
					1445	5	100						
					1450	5	100						
					1455	5	100		78639	0	0.05	TR	
					1460	5	100						
					1465	5	100						
					1470	5	100						
					1475	5	100						
					1480	5	100						
					1485	5	100						
					1490	5	100						
					1495	5	100						
					1500	5	100						
					1505	5	100		78640	0			
				L. And Set	1510	5	100						
					1515	5	100						
					1520	5	100						
					1525	5	100						
					1530	5	100						
					1535	5	100						
					1540	5	100						
					1545	5	100						
					1550	5	100						
					1555	5	100		78641	0	TR	TR	
					1560	5	100						
					1565	5	100						
					1570	5	100						

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. A.W. 1 (Ran [illegible])
FROM 1575
ELEVATION
COORDINATES N
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

SCALE: 1" = 20'

SECTION	COLUMN	GEOLOGY	LITHOLOGY	STRUCTURE	MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS SECTION	SAMPLE NUMBER	Cu	Ag	Au
4'		10° CAL. VLT.	SAME	SAME	SAME	1580	5	100					
						1585	5	100					
4'		20°-30° RED FeOx 0° CAL. VLT.				1590	5	100					
						1595	5	100					
		0°-30°-50° CAL. VLT.				1600	5	100					
4'		20° CAL. VLT.				1605	5	100		78642	tr		
		20° CAL. VLT.	1606' PORPH. ANDESITE VERY DARK GRAY, FINE GRAIN GROM. PLAG. PHENOS VERY SMALL			1610	5	100					
4'		20° CAL. VLT.				1615	5	100					
4'			1620' PORPH. ANDESITE SAME AS ABOVE LIGHT GREEN COLOR EPIDOTE PHENOS TO ½"			1620	5	100					
		0° CAL. VLT.				1625	5	100					
						1630	5	100					
4'		0° CAL. VLT.				1635	5	100					
		10° CAL. VLT.				1640	5	100					
		30° SEAR SLICK 0° RED FeOx				1645	5	100					
		0° HEM.				1650	5	100					
4'		10° RED FeOx				1655	5	100		78643	O		
		0° HEM				1660	5	100					
		20° HEM		FRACS @ 0°-20°-40°-50°-60°		1665	5	100					
		0° CAL. VLT. 50° CAL. VLT.				1670	5	100					
4'		40°-50° HEM.				1675	5	100					
		60° CAL. VLT. 0° RED FeOx	1682' ANDESITE AGGLOM. SAME AS ABOVE			1680	5	100					
		0° CAL. VLT.				1685	5	100					
		0° CAL. VLT. HEM.				1690	5	100					
4'		0° HEM				1695	5	100					
		60° HEM. VLT.				1700	5	100					
		20° HEM				1705	5	100		78644	O		
		60°-30° HEM				1710	5	100					
4'		10° CAL. VLT.	1717' PORPH. ANDESITE SAME AS ABOVE			1715	5	100					
						1720	5	100					
		0° HEM				1725	5	100					
4'		30° HEM				1730	5	100					
		0°-40° HEM				1735	5	100					
						1740	5	100					
		0° HEM				1745	5	100					

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

SCALE: 1" = 20'

HOLE NO. A. W. 1 [illegible]
FROM 1750
ELEVATION
COORDINATES N
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

SECTION	COLUMN	GEOLOGY	LITHOLOGY	STRUCTURE	MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS SECTION	SAMPLE NUMBER	Cu	Ag	Au
		10° HEM VLT	SAME	SAME	SAME	1755	5	100		78645	tr		
7'		0° HEM 20° VUGGY CALV											
		20° HEM.				1760	5	100					
						1765	5	100					
		20° HEM 0° HEM.				1770	5	100					
7'				FRACS @ 0°-10°-20°-50°-60°-80°		1775	5	100					
		20° CAL VLT.				1780	5	100					
		10° HEM.				1785	5	100					
7'		10° CAL. VLT. 0° HEM.				1790	5	100					
						1795	5	100					
		20° BRN FeOx				1800	5	100					
		0° BRN FeOx				1805	5	100		78646	0		
7'		10° BRN FeOx			L. And. ser.	1810	5	100					
						1815	5	100					
		0° RED FeOx 20° RED FeOx				1820	5	100					
		0° VUGGY CAL VLT.				1825	5	100					
7'						1830	5	100					
						1835	5	100					
						1840	5	100					
		20° CAL. VLT.				1845	5	100					
7'		10° CAL. VLT. 0° CAL. VLT.				1850	5	100					
		60° CAL. VLT.											
		10° CAL. VLT.				1855	5	100		78647	0		
		20° CAL. VLT				1860	5	100					
		50° CAL. VLT.	1863' ANDES. AGGLOM. SAME AS ABOVE			1865	5	100					
7'		60° CAL. VLT.				1870	5	100					
		50° CAL. VLT.				1875	5	100					
						1880	5	100					
7'						1885	5	100					
		0° CAL. VLT				1890	5	100					
						1895	5	100					
			1897' PORPH. ANDESITE SAME AS ABOVE			1900	5	100					
7'						1905	5	100		78648	tr		
						1910	5	100					
						1915	5	100					
						1920	5	100					
7'		[illegible]				1925	5	100					

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

SCALE: 1" = 20'

HOLE NO. A. W. 1 [illegible]
FROM 1925
ELEVATION
COORDINATES N
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

SECTION	COLUMN	GEOLOGY: LITHOLOGY	GEOLOGY: STRUCTURE	GEOLOGY: MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SECTION	SAMPLE NUMBER	Cu	Ag	Au
		SAME	SAME	SAME	1930	5	100					
					1935	5	100					
			FRACS @ 0°-30°-60°		1940	5	100					
					1945	5	100					
		30° CAL VLT			1950	5	100					
		0° CAL. VLT.			1955	5	100		78649	TR.		
		30° CAL. VLT.			1960	5	100					
					1965	5	100					
					1970	5	100					
					1975	5	100					
					1980	5	100					
					1985	5	100					
					1990	5	100					
		30°-0° CAL. VLT			1995	5	100					
		20° CAL. VLT.			2000	5	100					
					2005	5	100		78650	0.09		
		30° CAL. VLT.			2010	5	100					
					2015	5	100					
		30°-60° CAL. VLT			2020	5	100					
					2025	5	100					
					2030	5	100					
					2035	5	100					
					2040	5	100					
		0° CAL. VLT. 40° CAL. VLT.			2045	5	100					
					2050	5	100					
					2055	5	100		78651	TR	TR	TR
		0° CAL. VLT.			2060	5	100					
		10° CAL. VLT.			2065	5	100					
		50°-10°-0° CAL VLT 20° SERP SLICK			2070	5	100					
		30°-20° CAL VLT.			2075	5	100					
		0° 0° SERP [illegible]			2080	5	100					
		0° SERP SLICK [illegible]			2085	5	100					
		0° CAL VLT 20° CAL VLT.			2090	5	100					
		CAL [illegible]	2090'-2097' CRUSH BUT MAROON [illegible] CALCITE-CLAY		2095	5	100					
		[illegible]			2100	5	100		[illegible]	TR	TR	TR

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

SCALE: 1" = 20'

HOLE NO. 4 W 1 (BEN [illegible])
FROM 2100
ELEVATION
COORDINATES N
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

SECTION	COLUMN	GEOLOGY: LITHOLOGY	GEOLOGY: STRUCTURE	GEOLOGY: MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SECTION	SAMPLE NUMBER	Cu	Ag	Au
	0° CAL. VLT. SERP SLICK; 10° SERP SLICK CAL VLT	SAME	SAME	SAME	2105	5	100		78655	TR		
10	30° SERP SLICKS				2110	5	100					
	20° CAL VLTS				2115	5	100					
20	20° SERP SLICK		2120'-2132' WELL BROKEN		2120	5	100					
	HVY BRN. F_2O_3 HVY HEM	2126'-2144'			2125	5	100		78654	TR	TR	TR
30		ANDESITE AGGLOM. LIGHT GRAY, FINE GRAIN ANDESITE FRAGS - ANGLOV TO SUBROUNDED - IN DARK GRAY, FINE GRAIN CEMENT	FRACS @ 0°-20°-30°		2130	5	100					
					2135	5	100					
40					2140	5	100					
		PORPH. ANDESITE SAME AS ABOVE			2145	5	100					
50	60° PY				2150	5	100					
					2155	5	100		78655	TR	0.04	TR
60					2160	5	100					
	0° CAL VLTS				2165	5	100					
70					2170	5	100					
	30° CHOBOZITE				2175	5	100					
80					2180	5	100					
					2185	5	100					
90	30° CAL VLT.				2190	5	100					
	0°-20°-30° SERP SLICKS				2195	5	100					
0					2200	5	100					
	0° CAL VLT.				2205	5	100		78656	TR		
10					2210	5	100					
					2215	5	100					
20					2220	5	100					
	30° CAL VLT 70° CAL VLT.				2225	5	100					
30	20° CAL VLT.				2230	5	100					
					2235	5	100					
	20° CAL VLT. 0° CAL VLT.				2240	5	100					
					2245	5	100					
50	20° CAL VLT				2250							
		2256'-2257' BLEACHED WHITE - VUGGY EPIDOTE - HEM - CALCITE IN VUGS			2255				78657	TR		
					2260							
	20° CAL VLT	2263' BLEACHED W/ SAME AS ABOVE			2265							
					2270							
					22[illegible]							

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. A-[illegible]-[illegible]
FROM 2275
ELEVATION
COORDINATES N
DIRECTION
INCLINATION DEPTH
SCALE: 1"=20' STARTED COMPLETED

SECTION	COLUMN	GEOLOGY: LITHOLOGY	GEOLOGY: STRUCTURE	GEOLOGY: MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SECTION	SAMPLE NUMBER	Cu	Ag	Au
		SAME	SAME	SAME	2280	5	100					
		2284'-2289' BLEACHED			2285	5	100					
		2289' BLACK ANDESITE WITH ROUNDED BLOBS OF BLEACHED ANDESITE & PHEN. TO ½" VERY HARD - FRESH	FRACS @ 20°-60°		2290	5	100					
					2295	5	100					
					2300	5	100					
					2305	5	100		78658	TR		
					2310	5	100					
					2315	5	100					
					2320	5	100					
					2325	5	100					
					2330	5	100					
					2335	5	100					
		2339'-2358' BLEACHED WHITE WITH NUMEROUS EPIDOTE PHENOS 2337'-2342' BLACK ANDESITE WITH EPIDOTE PHENOS TO ½" 2342'-2358'			2340	5	100					
					2345	5	100					
					2350	5	100					
					2355	5	100		78659	.02		
		2358' ANDESITE AGGLOM SAME AS ABOVE EPIDOTE PHENOS TO 1"	FRACS @ 60°-80°	2362' CPY DISSEM. 6"	2360	5	100					
					2365	5	100		78660	.04		
					2370	5	100					
					2375	5	100					
					2380	5	100					
					2385	5	100					
					2390	5	100					
					2395	5	100					
					2400	5	100					
					2405	5	100		78661	TR		
					2410	5	100					
					2415	5	100					
					2420	5	100					
					2425	5	100					
					2430	5	100					
					2435	5	100					
					2440	5	100					
					2445	5	100					
					2450	5	100					

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. A.W. [illegible]
FROM 2450
ELEVATION
COORDINATES N
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

SCALE: 1" = 20'

SECTION	COLUMN	GEOLOGY	LITHOLOGY	STRUCTURE	MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS SECTION	SAMPLE NUMBER	Cu	Ag	Au
			SAME	SAME	SAME	2455	5	100		78662	.07		
						2460	5	100					
			2465' PORPH ANDESITE SAME AS ABOVE LIGHT GREEN COLOR			2465	5	100					
						2470	5	100					
						2475	5	100					
				Light and		2480	5	100					
						2485	5	100					
						2490	5	100					
						2495	5	100					
						2500	5	100					
						2505	5	100		78663	.03	.06	TR
						2510	5	100					
						2515	5	100					
						2520	5	100					
		30°-80° CAL. VLT	2525' ANDESITE BECOMES BLACK COLOR	FRACS @ 60°-80°		2525	5	100					
						2530	5	100					
						2535	5	100					
			2537' ANDESITE BECOMES LIGHT GREEN COLOR			2540	5	100					
						2545	5	100					
						2550	5	100					
						2555	5	100		78664	Nil		
		60° CAL. VLTS	2559' ANDESITE AGGLOM ANGULAR TO SUB-ROUNDED PORPH. ANDES FRAGS - LIGHT GREEN COLOR - SAME AS ABOVE. IN DARK MAROON COLOR FINE GRAIN CEMENT			2560	5	100					
						2565	5	100					
		50° CAL. VLT. SPEC. HEM				2570	5	100					
						2575	5	100					
		0°-30° SERP SLIGHT-CALCITE	2579' PORPH ANDESITE SAME AS ABOVE DARK GRAY COLOR			2580	5	100					
						2585	5	100					
						2590	5	100					
						2595	5	100					
		0° PY. VLT 80° PY 10° CAL VLT. PY 0° CAL. VLT. HEM 0° CAL VLT. PY 20° PY. CAL.	2601' ANDESITE BECOMES LIGHT GREEN COLOR		Ser. Chlor. Py. in seams Chlor. Rock	2600	5	100					
						2605	5	100		78665	Nil		
						2610	5	100					
						2615	5	100					
						2620	5	100					
						2625	5	100					

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. AW 1 (BEN HURR)
FROM
ELEVATION
COORDINATES N E
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

SCALE: 1:20

SECTION	COLUMN	GEOLOGY: LITHOLOGY	GEOLOGY: STRUCTURE	GEOLOGY: MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SECTION	SAMPLE NUMBER	Cu	Ag	Au
		SAME	SAME	SAME	2630	5	100					
					2635	5	100					
					2640	5	100					
					2645	5	100					
					2650	5	100					
					2655	5	100		78666	TR		
					2660	5	100					
					2665	5	100					
					2670	5	100					
					2675	5	100					
			FRACS @ 60° - 80°		2680	5	100					
					2685	5	100					
					2690	5	100					
		2696 ANDESITE AGGLOM, SAME AS ABOVE			2695	5	100					
				Blt and	2700	5	100					
					2705	5	100		78667	TR		
					2710	5	100					
					2715	5	100		78668	Nil		
					2720	5	100		69	Nil		
					2725	5	100		70	Nil		
					2730	5	100		71	TR		
		CORE BECOMES LIGHT GREEN COLOR			2735	5	100		72	Nil		
					2740	5	100		73	Nil		
					2745	5	100		74	Nil		
					2750	5	100		75	Nil		
					2755	5	100		76	Nil		
					2760	5	100		77	Nil		
					2765	5	100		78	Nil		
					2770	5	100		79	Nil		
					2775	5	100		80	Nil		
				Ser. Chlor. Talc - pyr(=)	2780	5	100		81	Nil		
					2785	5	100		82	Nil		
		PYRITE 0° [illegible]		2785 PYRITE DISSEMINATED IN CORE	2790	5	100		83	Nil		
		10° CAL VEIN 20° SEAM SLICK 30° SEAM SLICK [illegible]	2796 - 2798 BROKEN		2795	5	100		84	Nil		
					2800	5	100		78685	TR		

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. A.W 1 (BEN HURR)
FROM 2800
ELEVATION
COORDINATES N
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

SCALE: 1" = 20'

SECTION	COLUMN	GEOLOGY: LITHOLOGY	GEOLOGY: STRUCTURE	GEOLOGY: MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SECTION	SAMPLE NUMBER	Cu	Ag	Au
		PYRITE TR CPY? 70° SERP SHEAR 30° CAL. VNS.	SAME	SAME	2805	5	100		78686	Nil		
		30° CAL VNT 30° PY-SERP.			2810	5	100		87	Nil		
		30° QTZ VNS. PYRITE			2815	5	100		88	Nil		
					2820	5	100		89	Nil		
		20° SERP SHEAR PY 70° PY-SERP			2825	5	100		90	Nil		
					2830	5	100		91	Nil		
					2835	5	100		92	Nil		
					2840	5	100		93	Nil		
		20° CAL VNT			2845	5	100		94	Nil		
				PY DISSEMINATED	2850	5	100		95	Nil		
		30° CAL VNT 2851	2851 CORE RECOVERY DARK GRAY COLOR		2855	5	100		96	Nil		
		40°-30° CAL VNT 30° SERP SHEAR CAL			2860	5	100		97	Nil		
		40°-30° SERP SHEAR 0° CAL. VNS			2865	5	100		98	Nil		
					2870	5	100		99	Nil		
					2875	5	100		78700	Nil		
					2880	5	100		73115	.02		
			FRACS @ 80°-50°		2885	5	100		16	TR		
					2890	5	100		17	Nil		
				Blk andes.	2895	5	100		18	Nil		
					2900	5	100		19	Nil		
		2905 PORPH ANDESITE LIGHT GRAY, SMALL VISIBLE GRAINS OF ANDESITE WITH MUY EPIDOTE PHENOS TO 1" LIGHT GREEN COLOR			2905	5	100		20	Nil		
					2910	5	100		21	Nil		
					2915	5	100		22	Nil		
					2920	5	100		23	Nil		
		2923 ANDESITE AGGLOM SAME AS ABOVE DARK GRAY COLORED GNDM MUY EPIDOTE IN ANDES FRAGS			2925	5	100		24	Nil		
					2930	5	100		25	Nil		
					2935	5	100		26	Nil		
					2940	5	100		27	Nil		
					2945	5	100		28	Nil		
					2950	5	100		29	Nil		
		PYRITE DISSEM			2955	5	100		30	TR		
				TR PYRITE DISSEMINATED	2960	5	100		31	TR		
		30° CAL VNT TR CPY			2965	5	100		32	TR		
					2970	5	100		33	Nil		
		50° CAL VNS			2975	5	100		73134	0.02		

L8

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. A.W. 1 (BEN HURR)
FROM 2975
ELEVATION
COORDINATES N E
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

SCALE: 1" = 20'

SECTION	COLUMN	GEOLOGY	LITHOLOGY	STRUCTURE	MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS SECTION	SAMPLE NUMBER	Cu	Ag	Au		
		60° CAL VOT. PY.	SAME	SAME	SAME	2980	5	100		73135	TR				
		20° CAL VOT.				2985	5	100		36	TR				
					Blk Andes	2990	5	100		37	Nil				
		0° CAL VOT. PY				2995	5	100		38	Nil				
				FRACS @ 0°-60°-80°		3000	5	100		39	Nil				
		0° QTZ-EPIDOTE VOT-PY	3001'			3005	5	100		40	Nil				
		60° PY 50° CAL VOT 0° QTZ EPIDOTE 5°-PY 20° CAL VOT.	PORPH. ANDESITE FINE GRAIN. LIGHT GRAY GNEM FLAG. PHENOS TO 1/8" LIGHT GRAY COLOR			3010	5	100		41	Nil				
						3015	5	100		42	Nil				
		50° CAL VOT.				3020	5	100		43	Nil				
		60° QTZ. VOT 1/2" 40° CAL VOT.	ANDESITE BECOMES COARSER GRAINED			3025	5	100		44	Nil				
		30° CAL VOTS	PLAG & HORNBLENDE PHENOS TO 1/8"			3030	5	100		45	Nil				
						3035	5	100		46	Nil				
		20° CAL VOTS.				3040	5	100		47	Nil				
						3045	5	100		48	Nil				
		40° CAL VOT. 20° CAL VOT.				3050	5	100		49	Nil				
						3055	5	100		50	Nil				
						3060	5	100		51	Nil				
		0° CAL VOT 0° PY-CR. CPY 20° 60° CAL VOTS	3064-3066' BLEACHED		Andesite	3065	5	100		52	Nil				
					Sphalz	3070	5	100		53	Nil				
					PYRITE ENDS	3075	5	100		54	Nil				
						3080	5	100		55	Nil				
						3085	5	100		56	Nil				
						3090	5	100		57	Nil				
						3095	5	100		58	Nil				
						3100	5	100		59	Nil				
						3105	5	100		60	Nil				
						3110	5	100		61	Nil				
						3115	5	100		62	Nil				
						3120	5	100		63	Nil				
			SCATTERED EPIDOTE PHENOS TO 1/2"			3125	5	100		64	Nil				
						3130	5	100		65	Nil				
						3135	5	100		66	.02				
						3140	5	100		67	TR				
						3145	5	100		68	TR				
						3150	5	100		73[illegible]	Nil				

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. AW 1
FROM
ELEVATION
COORDINATES N
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

SCALE: 1" = 20'

SECTION	COLUMN	GEOLOGY: LITHOLOGY	GEOLOGY: STRUCTURE	GEOLOGY: MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SECTION	SAMPLE NUMBER	Cu	Ag	Au
		SAME	SAME	SAME								
	0° PY-CALCITE	HORNBLENDE & EPIDOTE		3158'-3157' PYRITE DISSEMINATED	3155	5	100		73170	Nil		
	0° CHABAZITE	PHENOS BECOME		3157' CHABAZITE								
		VERY SMALL & THINLY		LIGHT PINK TO WHITE	3160	5	100		71	Nil		
	10° PY-QTZ.	SCATTERED		ZEOLITE VEIS								
		DARK GRAY COLOR		POSSIBLY CHABAZITE	3165	5	100		72	Nil		
	0° PY-EPIDOTE											
	0°-20° PY				3170	5	100		73	.02		
	20° CHABAZITE PY											
					3175	5	100		74	Nil		
	20° CAL. VEIS 1/8" PY		FRACS @ 0°-20°-70°-80°									
					3180	5	100		75	Nil		
	20°-0° CHABAZITE VEIS 1/8"											
				Blk andes.	3185	5	100		76	.02		
	0° CAL. VEIS.			Pyr - too	3190	5	100		77	Tr		
					3195	5	100		78	Tr		
	0° CHABAZITE VEIS				3200	5	100		79	Tr		
	0° CAL. VEIS.											
		EPIDOTE INCREASES			3205	5	100		80	Nil		
	20° SERP. SLICK	CORE DARK GRAY COLOR										
	10° ANALCITE				3210	5	100		81	0.02		
	10° CHABAZITE				3215	5	100		82	TR		
					3220	5	100		83	TR		
					3225	5	100		84	0.02		
					3230	5	100		85	0.02		
	0° CAL. VEIS.				3235	5	100		86	0.02		
					3240	5	100		87	TR		
	70° TR PY				3245	5	100		88	TR		
	0° CAL. VEIS				3250	5	100		89	TR		
	90° TR CPY				3255	5	100		90	0.09		
	70° TR. CPY											
	50° TR CPY				3260	5	100		91	0.04		
	10° CAL. VEIS											
	70° TR CPY				3265	5	100		92	Nil		
					3270	5	100		93	Nil		
	10° CAL. VEIS. WS CPY-TR SERP.				3275	5	100		94	Nil		
	70° TR CPY	3277'										
		ANDES. AGGLOM.			3280	5	100		95	Nil		
	70° TR PY	SAME AS ABOVE										
		HVY EPIDOTE			3285	5	100		96	Nil		
		CORE LIGHT GRAY-GREEN		Blk andes.								
	70° TR. PY			no py.	3290	5	100		97	Nil		
					3295	5	100		98	.02		
	0° CAL. VEIS.				3300	5	100		99	.06		
	0° CAL. VEIS.				3305	5	100		73200	.02		
					3310	5	100		76201	.02		
	70° PY				3315	5	100		02	TR		
	90° TR CPY											
					3320	5	100		03	TR		
	20° CAL. VEIS											
	50° CAL. VEIS				[illegible]	5	100		76204	TR		

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. AW-1

FROM 3325

ELEVATION

COORDINATES S 24° E 25 SECTION ANGLE

DIRECTION

INCLINATION DEPTH

SCALE: 1"=20' STARTED COMPLETED

SECTION	COLUMN	GEOLOGY: LITHOLOGY	GEOLOGY: STRUCTURE	GEOLOGY: MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SECTION	SAMPLE NUMBER	Cu	Ag	Au
		SAME	SAME	SAME	3330	5	100		76205	.03		
			FRACS @ 0°-10°-20°, 70°-80°		3335	5	100		06	.02		
					3340	5	100		07	.02		
					3345	5	100		08	.17		
		PORPH. ANDES. SAME AS ABOVE HVY EPIDOTE DARK GRAY TO LIGHT GREEN COLOR SOME ROUNDED, SCATTERED DARK GRAY PORPH. ANDES. FRAGS.		HVY SERP - CALCITE MANY SERP SLICKS	3350	5	100		09	.02		
					3355	5	100		10	TR		
			Blk andes.		3360	5	100		11	Nil		
			3355-3369' BADLY BROKEN	Sheared chlor. Talc slicks. pyr(-)	3365	5	100		12	Nil		
					3370	5	100		13	Nil		
				PYRITE DISSEM.	3375	5	100		14	TR		
					3380	5	100		15	TR		
					3385	5	100		16	TR		
					3390	5	100		17	TR		
					3395	5	100		18	.02		
			3395 ANDES. BROKEN IN CALCITE M. 3390'-3403' BADLY BROKEN 3403 CORE	3391'-3394' HVY EPI-HVY EPIDOTE 3400'-3403' HVY SERPENTINE, CHLORITE, CUB SLICKS 3403 Oxid. & sulph. ser. argill.	3400	5	100		19	.12		
					3405	5	100		20	.44		
					3410	5	100		21	.03		
					3415	5	100		22	TR		
					3420	5	100		23	0.06		
					3425	5	100		24	0.06		
					3430	5	100		25	0.03		
					3435	5	100		26	0.03		
					3440	5	100		27	0.04		
		CORE BECOMES BLACK COLOR	Blk and. chlor talc Pyr diss. (-) tarnish	2HVS 3450' HVY PY-EPIDOTE	3445	5	100		28	0.03		
					3450	5	100		29	0.02		
					3455	5	100		30	0.03		
					3460	5	100		31	0.03		
					3465	5	100		32	0.02		
					3470	5	100		33	0.03		
				3472'-3479' MANY ANDESITE & DIORITE VEINS	3475	5	100		34	0.03		
					3480	5	100		35	0.03		
		3482' DIORITE PORPH. SAME AS ABOVE MANY ANDESITE INCLUSIONS	Blk andes. Pyr (-) to 0	DISS. PYRITE ABOVE 3482'	3485	5	100		36	0.03		
					3490	5	100		37	0.03		
										0.03		

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. [illegible]
FROM [illegible]
ELEVATION
COORDINATES N
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

SCALE: [illegible]

SECTION	COLUMN	GEOLOGY: LITHOLOGY	GEOLOGY: STRUCTURE	GEOLOGY: MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SECTION	SAMPLE NUMBER	Cu	Ag	Au
		SAME	SAME	SAME	3505	5	[illegible]		76240	0.03		
					3510	6	[illegible]		[illegible]	0.03		
		3511'	BOTTOM OF HOLE		3515							
					3520							
					3525							
					3530							
					3535							
					3540							
					3545							
					3550							
					3555							
					3560							
					3565							
					3570							
					3575							
					3580							
					3585							
					3590							
					3595							
					3600							
					3605							
					3610							
					3615							
					3620							
					3625							
					3630							
					3635							
					3640							
					3645							
					3650							
					3655							
					3660							
					3665							
					3670							

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. AW-2 (BEAUTIFUL)
FROM 0
ELEVATION 5[illegible]
COORDINATES 1770.30 N 5554.30
DIRECTION
INCLINATION VERTICAL DEPTH
STARTED COMPLETED

SCALE: 1" = 20'

SECTION	COLUMN	GEOLOGY	LITHOLOGY	STRUCTURE	MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS SECTION	SAMPLE NUMBER	Cu	Ag	Au	Mn
						5								
						10								
10			0'-20' FINE SAND			15								
			20'	ALLUVIUM		20								
20		BLACK. HEM. PYROLUSITE?	PORPH. ANDESITE AGGLOMERATE LIGHT GRAY, FINE GRAIN GNOM. EPIDOTE PHENOS TO ⅛ ROUNDED, BLEACHED, PORPH. ANDES. FRAGS TO 3"	BROKEN FRACS @ 50'-70'-80'	BLACK HEMATITE & PYROLUSITE ON FRACS BRN. FeOx ON FRACS SOME DENDRITES ON FRACS POSSIBLE Cu PITCH WITH HEMATITE	25	5	100		76243	0.02			0.22
						30	5	100						
30						35	5	100						
						40	5	100						
40						45	5	100						
50						50	5	100		44	TR	TR	TR	
						55	5	100						
						60	5	100						
60						65	5	100						
						70	5	100						
70						75	5	100		45	TR			
						80	5	100						
80						85	5	100						
						90	5	100						
90						95	5	100						
						100	5	100		46	TR	TR	TR	
						105	5	100						
10						110	5	100						
						115	5	100						
						120	5	100						
20						125	5	100		47	0.03			
						130	5	100						
30						135	5	100						
						140	5	100						
40						145	5	100						
50						150	5	100		48	0.15	TR	TR	
						155	5	100						
				160'		160	5	100						
60		30'-40' SERP STYL	BLEACHED & ALTERED	FAULT ZONE COMPLETELY ALTERED & BLEACHED 166'-170' BRECCIA - ANG ANDES. FRAGS IN BRN. CLAY - SOFT	HVY BRN FeOx HVY SERP & CLAY 163'-166' SERPENTINIZED	165	5	100						
				170'-181' CRUSH SERPENTINE FRAGS IN CLAY	170'-172' MAROON FeOx 172'-181' SERPENTINE IN CLAY WHITE COLOR	170	5	100						
						175	4	80		76247	0.03	TR	TR	

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. AW-2 [illegible]
FROM [illegible]
ELEVATION 5036.4
COORDINATES 1070.30 N 8554.30
DIRECTION
INCLINATION VERTICAL DEPTH
STARTED JULY COMPLETED

SCALE: 1" = 20'

SECTION	COLUMN	GEOLOGY: LITHOLOGY	GEOLOGY: STRUCTURE	GEOLOGY: MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SECTION	SAMPLE NUMBER	Cu	Ag	Au
		SAME	SAME	SAME								
80		SERP. HVY TALC.	HVY TALC	TALC	180	3	60					
					185	2	40					
90			188'-204' CRUSH ANG. ANDES FRAGS IN CLAY HVY BRN. FeOx	HVY BRN. FeOx	190	4	80					
					195	4	80					
0		WK. Cu PITCH?			200	4	80		6250	0.10	TR	TR
		30° NOM	BLEACH ENDS 205'		205	5	100					
10		20° SERP. [illegible] 60° TR. Cu PITCH	ANDESITE AGGLOM. SUB-ROUNDED FRAGS OF BLACK, PORPH. ANDESITE IN LIGHT GRAY, FINE GRAIN PORPH. ANDESITE PLAG. PHENOS VERY SMALL TO 1/8"	BROKEN FRACS @ 30°-60°-80°	HVY BLACK HEMATITE, PYROLUSITE ON FRACS W/TR. Cu PITCH	210	4	80					
		0° TR. Cu PITCH			215	5	100					
20		70° TR. Cu PITCH			220	5	100					
					225	5	100		51	0.07		
30		30° TR. Cu PITCH			230	5	100					
					235	4	80					
40					240	5	100					
					245	5	100					
50		30° TR. Cu PITCH	248'-250' BADLY BROKEN		250	5	100		52	0.02	TR	TR
		60° TR. Cu PITCH			255	5	100					
60					260	5	100					
					265	5	100					
70			270'-272' BADLY BROKEN		270	5	100					
			273'-300' BADLY BROKEN		275	5	100		53	TR		
80					280	4	80					
					285	5	100					
90					290	5	100					
					295	4	80					
0					300	4	80		54	TR	TR	TR
					305	5	100					
10					310	5	100					
					315	5	100					
20					320	5	100					
		323' BRN. FeOx SEM. Cu PITCH	BLEACHED & ALTERED	CRUSH - FAULT BLEACHED ANDESITE FRAGS IN BRN. FeOx STAINED CLAY	HVY BRN FeOx HVY HEMATITE & Cu PITCH - SOFT BLACK	325	4	80		55	0.04		
30					330	4	80		56	0.10		
					335	5	100		57	0.06		
40		337' 30° TR. Cu PITCH	SOME AGGLOM. FRAGS. BLEACHED WHITE; SOME STAINED GREEN BY EPIDOTE - UP TO 2" PORPH. ANDESITE SAME AS ABOVE CORE LIGHT GRAY TO [illegible]	SOME EPIDOTE PHENOS	340	5	100					
					345	5	100					
					350	5	100		7[illegible]	0.09	0.06	TR

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. MV-2 (...)
FROM 360
ELEVATION 5070.11
COORDINATES 1771.83 N 8[illegible]
DIRECTION
INCLINATION [illegible] DEPTH
SCALE: 1" = 50' STARTED COMPLETED

SECTION	COLUMN	GEOLOGY			SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS						
			LITHOLOGY	STRUCTURE	MINERALIZATION				SECTION	SAMPLE NUMBER	Cu	Ag	Au	
4'		60° TR. CuPitch 0° WK Cu Pitch REM-PYRITE	SAME	SAME	SAME	355	5	100						
60				SOLID WITH LOCAL BROKEN SECS		360	5	100						
						365	5	100						
70			367'-370' BLEACHED			370	5	100						
80	4'					375	5	100		76259	0.06			
						380	5	100						
						385	5	100						
90		0° TR Cu Pitch				390	5	100						
						395	5	100						
0		40° TR Cu Pitch		IRREGULAR FRACS @ 0°-20°-30° 60°-80°		400	5	100		60	0.02	0.06	TR	
					GEN. TR CuPitch HEMATITE - PYRITE	405	5	100						
10	4'					410	5	100						
						415	5	100						
20						420	5	100						
						425	5	100		61	0.13			
30						430	5	100						
	4					435	5	100						
40						440	5	100						
		5° COL.				445	5	100						
50						450	5	100		62	TR			
						455	5	100						
60						460	5	100						
		REM & PYRITE				465	5	100						
70	4'					470	5	100						
						475	4	100		63	TR			
80						480	5	100						
						485	5	100						
90						490	5	100						
					493'-495' HVY RED-MAROON FeOx STAIN	495	5	100						
0	4'					500	5	100		64	0.02	TR	TR	
						505	5	100						
10						510	5	100						
						515	5	100						
20						520	5	100						
	4													

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. AV-2 (SEW 2020)
FROM 520'
ELEVATION 5036.11
COORDINATES 1930.30 N 2[illegible].30
DIRECTION
INCLINATION [illegible] DEPTH
STARTED COMPLETED
SCALE: 1" = 20'

SECTION	COLUMN	GEOLOGY: LITHOLOGY	GEOLOGY: STRUCTURE	GEOLOGY: MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SECTION	SAMPLE NUMBER	Cu	Ag	Au
30		10' VUGGY QTZ VIT - TR Cu FMCL	SAME	SAME HEMATITE ON FRACS	530	5	100					
					535	5	100					
40					540	5	100					
					545	5	100					
50			FRACS @ 30°-60°-70°-80°		550	5	100		76266	TR	TR	TR
					555	5	100					
60					560	5	100					
					565	5	100					
70					570	5	100					
					575	5	100		67	TR		
80					580	5	100					
					585	5	100					
90					590	5	100					
					595	5	100					
0					600	5	100		68	0.02	0.10	TR
					605	5	100					
10					610	5	100					
					615	5	100					
20					620	5	100					
					625	5	100		69	TR		
30					630	5	100					
					635	5	100					
40					640	5	100					
					645	5	100					
50					650	5	100		70	0.07	TR	TR
					655	5	100					
60					660	5	100					
					665	5	100					
70					670	5	100					
			678'-679' CRUSH ANDES. FRAGS IN CLAY BRY. MTX	678'-679' WK. Cu Min.	675	5	100		71	0.07		
80		CRUSH ANDES. FRAGS	679'-695' WELL BRX'D		680	5	100					
					685	5	100					
90					690	5	100					
					695	5	100					

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. AW-2 (BEN HURR)
FROM 700
ELEVATION 5036.4
COORDINATES 1970.30 N 855[illegible].30
DIRECTION
INCLINATION VERTICAL DEPTH
STARTED COMPLETED

SCALE: 1" = 20'

SECTION	COLUMN	GEOLOGY	LITHOLOGY	STRUCTURE	MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS SECTION	SAMPLE NUMBER	Cu	Ag	Au
7		HEMLOW FRC BAN FeOx	SAME	SAME	SAME	705	5	100					
						710	5	100					
10					EPIDOTE HVY	715	5	100					
					BLACK HEMATITE ON FRACS. POSSIBLE Cu PITCH	720	5	100					
20						725	5	100		76273	.04		
				FRACS @ 30°-60°-70°-80°		730	5	100					
30	7					735	5	100					
						740	5	100					
40						745	5	100					
		30° SERP. SLICK				750	5	100		74	.03		
50						755	5	100					
						760	5	100					
60	7					765	5	100					
						770	5	100					
70						775	5	100		75	.03		
						780	5	100					
80		30° CHAB. & ZIPS VLS				785	5	100					
						790	5	100					
90						795	5	100					
	7					800	5	100		76	.02		
0						805	5	100					
						810	5	100					
10						815	5	100					
						320	5	100					
20		30° CAL. VLT.				825	5	100		77	.02		
	7					830	5	100					
30						835	5	100					
						840	5	100					
40				844'-848' WELL BROKEN		845	5	100					
						850	5	100		78	.02		
50	7					855	5	100					
						860	5	100					
60					863' BED FeOx	865	5	100					
					870' RED FeOx	87[illegible]	5	100					
70	7					875	5	100		76279	.03		

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. [illegible]
FROM 875
ELEVATION 5036.4
COORDINATES [illegible] N [illegible] E
DIRECTION
INCLINATION [illegible] DEPTH
STARTED COMPLETED
SCALE: [illegible]

SECTION	COLUMN	GEOLOGY	LITHOLOGY	STRUCTURE	MINERALIZATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS SECTION	SAMPLE NUMBER	Cu	Ag	Au
			SAME	SAME	SAME	880	5	100					
						885	5	100					
						890	5	100					
				896'-900' BADLY BROKEN		895	5	100					
						900	5	100		76280	.02		
					903'-904' HVY RED-MAROON FeOx	905	5	100					
						910	5	100					
						915	5	100					
		10° SERP SLICKS				920	5	100					
			920' ANDESITE VERY FINE GRAIN. DARK GRAY GNDM.										
		10° SERP SLICKS TR. Cu PITCH				925	5	100		81	.02		
						930	5	100					
		20° SERP SLICK											
		5° SERP SLICK	933'-935' BLEACHED WHITE			935	5	100					
		5°-10°-20° CAL. VLTS.	935'-950' STAINED LIGHT RED BY RED FeOx		935'-950' RED FeOx								
		60° BLACK VLTS				940	5	100					
		10° SERP SLICK		FRACS @ 0°-20°-30°-60°-80°									
		20° RED-RED FeOx				945	5	100					
		60° SERP SLICK											
		10° SERP SLICK	950' PORPH. ANDES. AGGLOM. SAME AS ABOVE LIGHT GREEN COLOR			950	5	100		82	0.42	TR	TR
					HVY EPIDOTE IN AGGLOM.	955	5	100					
					S, casts FeOx very small	960	5	100					
		30° BLACK FeOx				965	5	100					
		50°-90° BLACK FeOx				970	5	100					
					BLACK FeOx & PYROLUSITE ON SOME FRACS.	975	5	100		83	0.03		
		30° PYROLUSITE?				980	5	100					
		0° PYROLUSITE?				985	5	100					
			987'-991' ANDESITE SAME AS ABOVE			990	5	100					
		5°-10° CAL. VLTS.											
		5°-40° PYROLUSITE	PORPH. ANDES. AGGLOM. SAME AS ABOVE			995	5	100					
		80° RED FeOx	998' 6" ANDES. SAME AS ABOVE			1000	5	100		84	TR	TR	TR
		40° SERP SLICK											
		10° SERP SLICK				1005	5	100					
		5°-40° PYROLUSITE				1010	5	100					
		PYROLUSITE & BLACK FeOx ON FRACS				1015	5	100					
						1020	5	100					
						1025	5	100		85	TR		
						1030	5	100					
			1032' ANDESITE SAME AS ABOVE STAINED LIGHT RED BY FeOx			1035	5	100					
		30° SERP SLICK			EPIDOTE ENDS RED FeOx ON FRACS	1040	5	100					
		20° RED FeOx				1045	5	100					
		5° QTZ. VLT.				1050	5	100		[illegible]	0.04	TR	TR

INSPIRATION CONSOLIDATED COPPER CO.

GEOLOGICAL DEPARTMENT

DIAMOND DRILL RECORD

HOLE NO. AW-2 (Test Hole)
FROM 1050
ELEVATION 5036.4
COORDINATES 1970.30 E 8554.30 N
DIRECTION
INCLINATION VERTICLE DEPTH
SCALE: 1" = 20' STARTED COMPLETED

SECTION	COLUMN	GEOLOGY				SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS				
			LITHOLOGY	STRUCTURE	MINERALIZATION				SECTION	SAMPLE NUMBER	Cu	Ag	Au
			SAME	SAME	SAME	1055							
		5° SEAM SLICK				1060	5	100					
		3° BLACK FeOx CRYSTALLITES				1065	5	100					
70			1071'			1070	5	100					
		40° DYKELETS	NORTH ANDES AGGLO SAME AS ABOVE LIGHT GRAY COLOR SOME EPIDOTE PHENOS TO 3"		SLIGHT EPIDOTE ALTERATION IN PHENOS	1075	5	100		76287	0.03		
80						1080	5	100					
						1085	5	100					
						1090	5	100					
						1095	5	100					
0				FRACS @ 0°-40°-90°	BLACK FeOx ON FRACS	1100	5	100		88	0.03	TR	TR
					S. FeOx casts Tsp lime	1105	5	100					
10						1110	5	100					
						1115	5	100					
20						1120	5	100					
					S. ✓	1125	5	100		89	.02		
				SOLID		1130	5	100					
30						1135	5	100					
						1140	5	100					
						1145	5	100					
						1150	5	100		90	Nil	TR	TR
			1134' ALTERED 4" HUY BAH. FeOx		S+ ✓	1155	5	100					
60		2" QR CuPYR				1160	5	100					
						1165	5	100					
70					Veinlet with casts Walls altered white	1170	5	100					
					S FeOx casts ✓	1175	5	100		91	.10		
80						1180	5	100					
						1185	5	100					
		50°/025 VN 2" RED FeOx	1190' RHYOLITE SAME AS ABOVE DARK GRAY COLOR	FRACS @ 20°-50°-80°	BLACK - RED FeOx ON FRACS Fresh	1190	5	100					
					Fresh no	1200	5	100		92	.28	0.24	TR
						1205	5	100					
						1210	5	100					
						1215	5	100					
						1220	5	100					
						1225	5	100		93	.02		

INSPIRATION CONSOLIDATED COPPER CO.

Sanchez Mine

Geological Department

DIAMOND DRILL RECORD

Scale 1" = 20'

J.L.

HOLE NO. AW-2
FROM 1225
ELEVATION 5036.4
COORDINATES 1970.30 N 8554.30 E
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

GEOLOGY

SECTION / COLUMN	MINERALIZATION	LITHOLOGY	STRUCTURE	GENERAL MINERALIZATION AND ALTERATION
		SAME	SAME	SAME
	15° TALC SLICK 40° TALC SLICK 40° TALC SLICK 80° POOL	1248 LT. GRAY-GREEN AND. PORPH. SCATTERED EPID. PHENOS 6 2MM Bio & 4MM. (MOST ALTERED TO CHLOR) IN A LT. GR. MATRIX. SMALL ZONES OF STRONGER CHLOR. WKLY. AGGLOMERITIC		MAROON RED & YELLOW FEOX IN MOST FRACS. PE STND. PLAG OR (?) K SPAR ALT. ALONG QTZ. VLTS. PYROLUSITE & CAL. IN MOST FRACS.
	10° TALC SLICK	1267 STRONGLY SL. AND. PORPH w/ MAROON TO BRN. LIM. AFTER PYRITE AND UNALTERED CHLOR. 5% ALTERED		
		1268 WKLY BLEACHED SMALL ZONES OF LIM. AFTER PYRITE (SOME HEM. AFTER PYRITE)		
		1268 STRONGLY AL. TO HEM. LIM. AFTER PYRITE		
		1272 MED GRAY-GREEN AND. - WKLY PORPH. SCATTERED EPID PHENOS 6 3MM MORE PORPH. ALONG QTZ. VLTS. FE STND. PLAG ALONG FRACS (K-SPAR ?). LOCAL CHLOR. RICH ZONES	FRACS GEN. 30°	BRN FEOX ON MOST FRACS
	10° SERP. - RED FEOX			
		1300 MED GRAY AND. - WKLY PORPH LOCAL BIO & CHLOR. SCATTERED EPID., HORN. RICH		
	0° CAL. VLT. 10° QTZ. VLT. 10° CAL. SLICK 30° CAL. VLTS. 30° SERP SLICK - RED FEOX			MUY HAR. HEM.
	30° TALC SLICK			
	0-30° TALC SLICKS 70° TALC SLICK 70° & 90° TALC SLICK 30° TALC SLICK	1330 AND BECOMES DARKER		FEOX IN FRACS. SOME PYROLUSITE
	40° CAL. SLICK 0° TALC SLICK			
	90° CAL. SLICK			
	10° SLICK 20° SLICK			CAL. IN SOME FRACS.
	30° TALC SLICK 20° CAL VLT &		FRACS GEN. 30° & 90°	

SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS SAMPLE NUMBER	CU	CUOX	CA-CO3	AG	AU
1230	5	100						
1235	5	100						
1240	5	100						
1245	5	100						
1250	5	100	76294	.02			TR	TR
1255	5	100						
1260	5	100						
1265	5	100						
1270	5	100						
1275	5	100	95	.02				
1280	5	100						
1285	5	100						
1290	5	100						
1295	5	100						
1300	5	100	96	.02			TR	TR
1305	5	100						
1310	5	100						
1315	5	100						
1320	5	100						
1325	5	100	97	.17				
1330	5	100						
1335	5	100						
1340	5	100						
1345	5	100						
1350	5	100	98	.02			TR	TR
1355	5	100						
1360	5	100						
1365	5	100						
1370	5	100						
1375	5	100	99	Tr				
1380	5	100						
1385	5	100						
1390	5	100						
1395	5	100						
1400	5	100	76300	tr			TR	

INSPIRATION CONSOLIDATED COPPER CO.

Sanchez Mine

Geological Department

DIAMOND DRILL RECORD

Scale 1" = 20'

J.L.

HOLE NO. HW-2
FROM 1400
ELEVATION 5036.4
COORDINATES 1970.30 N 8554.30 E
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

GEOLOGY

SECTION	COLUMN	MINERALIZATION	LITHOLOGY	STRUCTURE	GENERAL MINERALIZATION AND ALTERATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SAMPLE NUMBER	CU	CUOX	CA-CO3
+		0° SERP. SLICK	DARK GRAY ALMOST BLACK AND. CONTINUES.	1403 SOLID	FEOX IN FRACS., SOME CAL. & PYROLUSITE IN FRACS.	1405	5	100				
				CRUSH & WK. GOUGE		1410	5	100				
				1407 SOLID	FEOX INCREASES, LIM. AFTER PYRITE IN SOME FRACS.	1415	5	100				
+						1420	5	100				
						1425	5	100	A 1401	TR		
						1430	5	100				
						1435	5	100				
+					1435 3" ZONE OF STRNG LIM. AFTER PYRITE	1440	5	100				
		5° CAL. SLT				1445	5	100				
			1450 LOCAL ZONES FINE GRAINED BLACK MUD.			1450	5	100	02	TR		
+		20° CAL.-FEOX SLICK				1455	5	100				
						1460	5	100				
						1465	5	100				
			1470 A GR. BLACK AND.			1470	5	100				
+				FRACS. GEN. 80°		1475	5	100	03	TR		
		20° TALC-CAL SLICK				1480	5	100				
						1485	5	100				
					1489 2" ZONE STRNG. LIM. AFTER PYRITE	1490	5	100				
+						1495	5	100				
		30° TALC-CAL. SLICK				1500	5	100	04	.35		
						1505	5	100				
						1510	5	100				
+		TALC CAL SLICK			1511 2" STRNG. LIM.	1515	5	100				
			1520 AND. STARTS TO HAVE GREEN TINT			1520	5	100				
					1520 LIM. IN 90° FRACS. AFTER PYRITE	1525	5	100	05	.02		
+						1530	5	100				
						1535	5	100				
						1540	5	100				
					1537 ROCK VIRLY. BL. WKLY DIS. LIM. AFTER PYRITE & CONCENTRATED IN FRACS. EPID. PHENOS INTACT	1545	5	100				
+		TALC SLICK	LOCALLY AGGLOMERITIC	FRACS GEN. 50		1550	5	100	06	TR		
			GEN. LT. COLORED, MOTTLED, AGGLOMERITIC LAT CLASTS TO 3/4"		1549 STRNG BL., WKLY DIS. LIM. AFTER PYRITE CONC. IN FRACS. SOME HEM. IN LOCAL FRACS.	1555	5	100				
					1560 STRONGLY BLEACHED, WKLY. LIM. AFTER PYRITE	1560	5	100				
+						1565	5	100				
						1570	5	100				
						1575	5	100	A 1407	TR		

INSPIRATION CONSOLIDATED COPPER CO.

Sanchez Mine

Geological Department

DIAMOND DRILL RECORD

Scale 1" = 50'

J.L.

HOLE NO. HW-2 (BEN HUR)
FROM 1575
ELEVATION S.A.S.L.+
COORDINATES 19720.30 N 8554.30
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

SECTION	COLUMN	GEOLOGY: MINERALIZATION	GEOLOGY: LITHOLOGY	GEOLOGY: STRUCTURE	GEOLOGY: GENERAL MINERALIZATION AND ALTERATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SAMPLE NUMBER	CU	CUOX	CA-CO3
			MOTTLED LT. GRAY AND. CONTINUES	SOLID	STRONGLY BLEACHED W/ STRNG. MAROON FEOX LIM AFTER PYRITE, SOME YLW. & GRN. FEOX SOME PYROLUSITE ALONG FRACS. LOCALLY SOME CHLORITE & EPIDOTE.	1580	5	100				
				1585 1' CRUSH		1585	5	100				
						1590	5	100				
						1595	5	100				
						1600	5	100	A1408	TR.		
						1605	5	100				
						1610	5	100				
						1615	5	100				
						1620	5	100				
				1623 1' CRUSH	STRNG MAROON FEOX AFTER PYRITE CONTINUES	1625	5	100	09	04		
						1630	5	100				
				1632 BADLY BROKEN W/ 1636 CRUSH & GOUGE		1635	5	100				
						1640	5	100				
						1645	5	100				
						1650	5	100	10	.03		
				FRACS GEN. 30°		1655	5	100				
			1655 LT. GRAY AND. W/ CHLORITIC [illegible] SOMEWHAT MOTTLED APPEARANCE, NUMEROUS FRAGS. HIGHLY ALTERED → SOFT, FRIABLE AND. MORE BLEACHED AROUND FRACTURES LOCAL CONC. OF CHLO., EPID. & LIM. AND. A GREEN TINT. OX. TO 1660, GRADES & WITH. 101 AND. THE REMAINDER CONTAIN CHLOR. EPID. & LIM. WKLY. FORM. WKLY ACCIDENTED	1655 FND STRNGLY BL. ZONE WKLY. BL. W/ DIS. LIM AFTER PYRITE CONC. IN FRACS.	1660	5	100				
						1665	5	100				
					1666 1' STRONGLY BL. & LIM. AFTER PYR.	1670	5	100				
					1675 3" STRONGLY BL. & LIM. AFTER PYRITE	1675	5	100	11	TR.		
		2nd STRNG. LIM VEIN			1681 1' STRNGLY BL. & LIM. AFTER PYR.	1680	5	100				
		[illegible] FAULT SLICK				1685	5	100				
						1690	5	100				
						1695	5	100				
						1700	5	100	12	Wil		
						1705	5	100				
		[illegible]				1710	5	100				
						1715	5	100				
					1718 2' STRONG BL. MAR. LIM AFTER PYRITE	1720	5	100				
			1727 EPIDOTE INCREASING			1725	5	100	13	TR		
						1730	5	100				
			[illegible] EPIDOTE BECOMES IMPORTANT CONSTITUENT ALONG W/ HEAVY [illegible]			1735	5	100				
						1740	5	100				
					1742 6" STRNGLY BL. LIM. AFTER PYRITE	1745	5	100				
						1750	5	100	14	Tr		

INSPIRATION CONSOLIDATED COPPER CO.

Sanchez Mine

Geological Department

DIAMOND DRILL RECORD

Scale 1" = 20'

JL. TO 1845, RCA TO 1925

HOLE NO. AW-2 (BEN HUR)
FROM 1750
ELEVATION 5036.4
COORDINATES 1970.30 N 8554.30
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

GEOLOGY

SECTION	COLUMN	MINERALIZATION	LITHOLOGY	STRUCTURE	GENERAL MINERALIZATION AND ALTERATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SAMPLE NUMBER	CU	CUOX	CA-CO3
		0° SERP. SLICK.	LT. GRAY PORPH. AND. CONTINUES EPIDOTE PHENOS ≤ 3 mm SOMEWHAT CONC. ALONG XENOLITH BOUNDARIES. SOME LOCAL ZONES OF PLAG PHENOS. ≤ 2 mm LOCAL CONC. OF CHLOR. IN XENOLITHS & CLOTS. CHLORITE ALSO BORDERING QTZ. VLTS. XENOLITHS SOMEWHAT ALTERED TO CHLOR. & CLAY.	SOLID FRACS. GEN. 40°	GEN. BIO & HORN ⇒ CHLOR. W/ LOCAL ZONES OF UNALTERED BIO & HORN. MAROON FEOX IN MOST FRAC. LOCAL CAL. IN FRACS.	1755	5	100				
						1760	5	100				
		4-40° FEOX-CAL. SLICKS		1761 1' WELL BROKEN.		1765	5	100				
						1770	5	100				
					1771 2' BL. W/ HVY MAR. FEOX	1775	5	100	A-1415	Nil		
				1780 1' WELL BROKEN		1780	5	100				
				1783 6" WELL BROKEN		1785	5	100				
		2-50° TALC SLICKS				1790	5	100				
		60° CAL. SERP. SLICK.		SOLID 1793 6" WELL BROKEN.		1795	5	100				
		30° CAL. SERP. SLICK. 30° TALC SLICK			1801 STRNG. BRN. LIM. ZONE 1803 STRNG. BRN. LIM. ZONE	1800	5	100	16	Tr		
						1805	5	100				
						1810	5	100				
		40° SERP. SLICK				1815	5	100				
						1820	5	100				
		4-40° TALC SLICKS FEOX.	1827 ROCK BECOMES MED. GRAY-GREEN AND. FINE GRAINED, LOCALLY WKLY. PORPH. W/ EPIDOTE PHENOS. ≤ 2 mm, & SCATTERED-PLAG PHENOS ≤ 2 mm STRONGLY AGGLOMERITIC XENOL ≤ 1°	FRACS GEN. 30° & 50°		1825	5	100	17	Tr.		
						1830	5	100				
		4-40° TALC SLICKS FEOX				1835	5	100				
						1840	5	100				
						1845	5	100				
			1848 NON-AGGLOM. W/ HORN. PHENO. ≤ 3 mm	20° 40°-70° FRAC.		1850	5	100	18	Tr		
						1855	5	100				
			1862			1860	5	100				
		20° CAL SLICK FEOX				1865	5	100				
			1870 NON-AGGLOM.		1870 RED-BRN. FEOX	1870	5	100				
					1875	1875	5	100	19	Tr		
		10° CAL FEOX SLICK. 10° SERP. SLICK. FEOX				1880	5	100				
					1883 1' RED BRN. FEOX 2V.	1885	5	100				
					1887 6" RED BRN FEOX 2V.	1890	5	100				
					1889 6" RED BRN. FEOX 2V.							
					1892 1' STRG. BL. STRG. 2V. RED BRN. FEOX	1895	5	100				
			1896 DARK GRAY GREEN AND. 1899	1895 2" GOUGE		1900	5	100	20	Nil		
		40° CAL. VLT.		FRAC. GEN. 20°-60°		1905	5	100				
					1907 HVY. BRN FEOX	[illegible]	5	100				
					1912	1915	5	100				
		10° CAL FRAC FEOX.				1920	5	100				
		10° CAL VLT. FEOX			1925 [illegible]	[illegible]	5	100	A-1421	Nil		

INSPIRATION CONSOLIDATED COPPER CO.

Sanchez Mine

Geological Department

DIAMOND DRILL RECORD

Scale 1" = 20'

RCA

HOLE NO. AW-2 (OPEN HOLE)
FROM 1925
ELEVATION 5036.+/-
COORDINATES 1920.30 N 8554.30 E
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED
RUSS ADAMS DID THIS

GEOLOGY

SECTION	COLUMN	MINERALIZATION	LITHOLOGY	STRUCTURE	GENERAL MINERALIZATION AND ALTERATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SAMPLE NUMBER	CU	CUOX	CA-CO3	dw	dg
		70° CAL. SERP. FEOX	SAME	SAME	SAME									
					1928 1' HVY. BRN. FEOX									
			1933 1' STRG. AGGLOM.	1931 6' GOUGE/CRUSH	1932 STRG. BL. RED BRN FEOX	1930	5	100						
						1935	5	100						
		40° CAL. FEOX			1938 4' STRG. RED-BRN. FEOX.	1940	5	100						
						1945	5	100						
			1947 STRG. R. PORH. AND. AGGLOM. XENOL. ± 1" W/PLAG. → CLAY GROUND MASS HVY LIM. AFTER PYRITE. LIM. ± 1/8"		1947 STRG. GREEN FEOX GRADE PYRITE	1950	5	100	A-1422	Nil				
		0° EPIDOTE				1955	5	100						
		0° EPIDOTE / CHLORITE	1959 MED. GRAY-GREEN AND. WKLY PORH. PLAG. & DIOTITE PHENO. ± 3mm HORN ± 3m EPIDOTE PHENO. ± 5mm SCATTERED RED STAINED PLAG OR K-SPAR.		1959 CAL. & BROWN FEOX ON SOME FRAC.	1960	5	100						
		70° CAL. VLT				1965	5	100						
		70° CAL. VLT			Fresh	1970	5	100						
		0° CAL. FRCT.				1975	5	100	A-1423	Nil				
		90° SEAP. W/ RED FEOX	1979 INCREASED EPIDOTE AND PORH. BECOMES AT. GR.			1980	5	100						
		40° @ 0° DISS PYRITE 2" @ VLT.		Much FeO, casts, St Fe$_2$ Ts/Rhim	1984 1ST SULFIDE STRG. BL. HVY. FEOX	1985	5	100						
					1988	1990	5	100						
						1995	5	100						
					2001 2' HVY. FEOX STRG. BL.	2000	5	100	A-1424	.04				
		10° CHLOR. SLICK			2009 3' STRG. BL. STRG. RED. FEOX	2005	5	100						
					2009 STRG. BL. STRG RED FEOX	2010	5	100						
					2014	2015	5	100						
		0° TALC SLICK.				2020	5	100						
		10° TALC SLICK.			2024 STRG. BL. 3' W/ HVY. RED FEOX.	2025	5	100	A-1425	.02				
					2030 3' STRG. BL. HVY. RED FEOX.	2030	5	100						
					2033 3' STRG. BL. HVY. RED FEOX	2035	5	100						
					2040 STRG. BL. HVY. FEOX. WK. TO FAIR. PYRITE IN QST. VLT. W/ WK. CHLOR. HVY. LIM. AFTER PYRITE	2040	5	100						
		0° HVY. PYRITE			2045.1' UNGL.	2045	5	100						
						2050	5	100						
		30° CAL. FEOX SLICK			2058	2055	5	100	A-1426	.02				
		0° TALC SLICK				2060	5	100	A-1427	Tr				
					2063 4" RED-BRN. FEOX	2065	5	100						
		1' DISS PYRITE WKLY ± 1/8" ASSOC CALCITE W/ RIMS.			2068 2' WKLY. BL. WK. RED BRN. FEOX	2070	5	100						
						2075	5	100	25	.03				
		10° CAL. VST FEOX	2082 2' PORPH. AND. DK. GRAY DUE TO LIGHT EPIDOTE, EPIDOTE PHENO. 6 1/8"		2078 6" WK. BL. WK. RED-BRN FEOX	2080	5	100						
		0° CHLOR SLICK. HVY LIM. AFTER PYRITE.			2083 6" WK. BL. WK. RED BRN. FEOX	2085	5	100						
						2090	5	100						
					2093 6" HVY. BL. HVY. FEOX	2095	5	100						

INSPIRATION CONSOLIDATED COPPER CO.

Sanchez Mine

Geological Department

DIAMOND DRILL RECORD

Scale 1" = 20'

HOLE NO. A.W.-2 (BEN HILL)
FROM 2100
ELEVATION 5036.4
COORDINATES 1220.30 N 8554.30 E
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

RCA TO 2240, SL — Rock to 2240 ± SL

GEOLOGY

SECTION	COLUMN	MINERALIZATION	LITHOLOGY	STRUCTURE	GENERAL MINERALIZATION AND ALTERATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SAMPLE NUMBER	CU	CUOX	CA-CO3
		F.G. PYRITE ON FRAC. & CHL. ASSOC. W/QUAR.	DK. GREEN PORPH. AND EPIDOTE PHEND. & 1/8" CHLORITE PHEND. & 1/8" GRAY-GREEN GROUNDMASS. CHLORITE ALTERATION OF BIOTITE & HORN.?	SAME	2103 2' STRONGLY BX. HEMATITE AFTER PYRITE SOME PYRITE	2105	5	100				
		FAIR DISS. PYRITE ASSOC. W/CHLOR.				2110	5	100				
		WK. DISS. HEMATITE AFTER P. PYRITE			2114 - FAIR BL. HVY RED BRN. FRGS W.K. PYRITE	2115	5	100				
		WK. PYRITE & BRAC. W/WK HEM. AFTER PYRITE			2120	2120	5	100				
		WK. DISS. PYRITE			WK. DISS PYRITE ASSOC. W/CHLOR. & IN. STEEP VLT W/ CHLOR. RED-BRN. CEDGIN MOST FRAC.	2125	5	100	A-1430	.02		
		10° FAIR PYRITE		FRAC. GEN. 40°, 60°	LOCAL CONCENTRATION IN. VLT. W/OT WITHOUT CHLORITE.	2130	5	100				
		10° TR. PYRITE				2135	5	100				
						2140	5	100				
						2145	5	100				
		6" RED-BRN. HEM. AFTER PYRITE SOME REMNANTS PYRITE				2150	5	100	A-1431	.02		
		10° CHLOR CAL. SLICK W/ RED-BRN FRGS W/PYRITE				2155	5	100				
		60° TALC SLICK CHLOR. WK PYRITE.				2160	5	100				
		20° SERP. SLICK FINE GRAY (MONTMORILLONITE?)				2165	5	100				
						2170	5	100				
		80° 1/16" PYRITE 1/8" PYRITE BROT.			Diss. Pyr.	2175	5	100	A-1432	Tr.		
		10° TALC SLICK CHLOR WK. PYRITE				2180	5	100				
		0° TALC SLICK W/WK. PYRITE		FRAC. GEN. 0°, 90°, 170°		2185	5	100				
			2192 BOGLOM ERITIC. MED. GRAY. FRAG. IN STRAND. PLAG. PHENO 1/8" EPIDOTE PHEND. 1/8" HOST ROCK SAME AS ABOVE XENOL. HORN. BIOTITE → CHLORITE			2190	5	100				
						2195	5	100				
		30° Qtz. VLT HVY PYRITE			Trachyte Sill	2200	5	100	A-1433	Nil		
			2205			2205	5	100				
		10° PYRITE				2210	5	100				
		20°, 90° CAL VLT W/STRONG PYRITE				2215	5	100				
					PYRITE IN 90° FRAC.	2220	5	100				
		60° EPIDOTE VLT. W/WK PYRITE.	2225 MED. GRAY. PORPH AND GRAY GROUNDMASS. PLAG & 1/16 PHENO. EPIDOTE & 1/8" PHENO BIOTITE & HORN. → CHLORITE & 1/8°		RED-BRN FROX IN FRACS. ENDS	2225	5	100	A1434	Nil		
		2" HVY DISS. PYRITE ASSOC CHLORITE				2230	5	100				
						2235	5	100				
			2240 STRONGLY AGGLOMERITIC W/ LENSES W/ FEL. CHLORITE CLOTS EPIDOTE COPIC IN XENOLITHS	FRACS GEN 40°		2240	5	100				
		45° CAL. FAIR PYRITE	2245 END AGGLOMERATION			2245	5	100				
			2247 LT. GRAY AND. PORPH. PLAG. & 8MM III A MED GRAY MATRIX BIOT & HORN TO CHLOR., PLAG TO CLAY, WKLY. BLEACHED.		WK. PYRITE IN MOST SLICKS	2250	5	100	A-1435	.03		
		10° TALC SLICK 10° CAL. - FAIR PYRITE		FRACS. GEN 40°/0°		2255	5	100				
		0° TALC SLICK - CAL.				2260	5	100				
						2265	5	100				
		5° C.A. VNL. FAC → TRACE PYRITE	2269 2' SAME AS ABOVE (2225-2240)			2270	5	100				
						2275	"	100	A1436	Nil		

INSPIRATION CONSOLIDATED COPPER CO.

Sanchez Mine

Geological Department

DIAMOND DRILL RECORD

Scale 1" = 20'

HOLE NO. AW-2 (BEN-HUR)
FROM 2275
ELEVATION 5026.4
COORDINATES 1720:30 N 8554:30 E
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

IL.

GEOLOGY

SECTION	COLUMN	MINERALIZATION	LITHOLOGY	STRUCTURE	GENERAL MINERALIZATION AND ALTERATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SAMPLE NUMBER	CU	CUOX	CA-CO3		S
		10° EPID.-TALC SLICK	SKARN		PYRITE DIS. & ASSOC. W/ CHLORITE, LOCALLY CONC. ALONG VLTS. W/OR W/O CHLOR.	2280	5	100						
		1/2" SERP.-CAL.-EPID. SLICK FAIR PYRITE 3" CAL.-SERP.-FAIR PYRITE 3" SERICAL-FAIR PYRITE 3" SERP. FAIR PYRITE	2280 M. GD. GRAY PORPH. AND., LOCAL GREEN TINT DUE TO CHLOR. CONCS., PLAG. PHENOS & 2 MM, BIO. & HORN. ALTERED TO CHLOR. SCARCE EPIDOTE PHENOS & 2 mm & CONC. ALONG QTZ. VLTS.	FRACS GEN. 0° & 20° SOLID		2285	5	100						
		0° SERP. CAL. SLICK 10° CAL.-SERP. VLT.			NUMEROUS CAL. VLTS.	2290	5	100						
		0° TALC SLICK				2295	5	100						
		30° SERP.-PYRITE				2300	5	100	A-1437	.02				
		0° TALC-CHLOR.-MK. PYRITE		FRACS. GEN. 40°		2305	5	100						
		20° TALC SLICK				2310	5	100						
		1/2" SERP. SLICK 20° 1/4" COARSE-EPID PYRITE			2313 1" STRONGLY BL.	2315	5	100						
		30° CAL.-SERP.-FAIR PYRITE				2320	5	100						
		0° SERP SLICK				2325	5	100	38	.06				.07
		10° SERP.-CHLOR.-FAIR PYRITE	2326 STRONGLY AGGLOMERITIC	FRACS. GEN. 40° & 80°	2326 PYRITE & CHLOR. INCREAS. 2328 BL. AND. PORPH. KENOLITH LT. GRY. HORN. RICH	2330	5	100						
		2-70° STRONG PYRITE VLTS. 0° SERP.-CAL. SLICK 10° SERP. SLICK			2327 WKLY. BLEACHED ZONE TO 2337	2335	5	100						
			2339 6' LT. GRY PORPH. AND. CHLOR & 2 mm IN & CREAM COLORED MATRIX		2339 STRONGLY BLEACHED 6', TR. EPIDOTE ALONG QTZ. VLTS.	2340	5	100						
		10° TALC-CHLOR. SLICK	2345		2345	5	100							
		0° SERP. SLICK	2351 BECOMES STRONGLY AGGLOMERITIC		Diss. Pyr.	2350	5	100	39	.03				1.8
		1/2" QTZ. VLT W/ PYRITE & CHLOR.			2356 2" STRONGLY BL.	2355	5	100						
		30° 1/8" QTZ. VLT-W/ PYRITE & CHLOR.		FRACS. GEN. 40° & 60°	2359 2" STRONGLY BL.	2360	5	100						
						2365	5	100						
			2370 LT. GREY PORPH. AND., PLAG. & 2 mm SCATTERED CHLOR., SOME BIO. & HORN. PHEN. & 1 mm		2370 WKLY. BLEACHED CHLOR. CONC. ALONG VLTS.	2370	5	100						
		90° 3/4" QTZ.-PYRITE	2376 CREAM COLORED PORPH. AND. GREENISH-WHITE PLAG PHENOS & 4 mm. TRACES OF CHLORITE		2376 STRONGLY BLEACHED	2375	5	100	40	.04				1.0
			2383' CHANGED TO BX CORE			2380	5	100						
		2" STRONG PYRITE	2385 AGGLOMERITIC, XENOLITHS AS WELL AS PORPH. AND. BLEACHED	SOLID FRACS GEN 20°→40°	CAL. VLTS END 2385 WKLY. BL. -GRNSH GRY CHLOR. ABUNDANT IN CLOTS & VLTS. TO 2390	2385	5	100						
		0° 1/8" PYRITE 0° 1/4" PYRITE	PORPH. AND. VARIES FROM CREAM TO GREENISH CREAM TO LT. GRAY IN RESPONSE TO BLEACH. AGGLOMERITIC		2390 LT. GRAY STRONGLY BL. CHLOR. SCARCE TO 2402	2390	5	100						
						2395	5	100						
						2400	5	100	41	.02				
					2402 WKLY BL. GRNSH GRY CHLOR. ABUNDANT IN CLOTS & VLTS TO 2410	2405	5	100						
						2410	5	100						
		1" DIAM. CLOT OF PYRITE			2410 LT. GRAY STRONGLY BL. CHLOR. SCARCE TO 2412 2412 WKLY BL. -AS AT 2402 TO 2420	2415	5	100						
						2420	5	100						
					2420 STRONGLY BL. CHLOR. SCARCE, SCATTERED EPID. TO 2457	2425	5	100	42	Tr				
						2430	5	100						
						2435	5	100						
					PYRITE BEGINS TO AFFECT IN SMALL VLTS, DIS. W/OR W/SLI CHLOR, SOMEWHAT CONC. IN FRACS. SOME W/ LIM. RIMS	2440	5	100						
						2445	5	100						
							5		A-1443	.02				

INSPIRATION CONSOLIDATED COPPER CO.

Sanchez Mine

Geological Department

DIAMOND DRILL RECORD

Scale 1" = 20'

HOLE NO. AW-2
FROM 2450
ELEVATION 5036.4
COORDINATES 1970.30 N 8554.30
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

J.L.

GEOLOGY

SECTION	COLUMN	MINERALIZATION	LITHOLOGY	STRUCTURE	GENERAL MINERALIZATION AND ALTERATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	SAMPLE NUMBER	CU	CUOX	CA-CO3	Mo	Au	Ag
		70° TALC SLICK	SAME	SOLID		2455	5	100							
					-2457 WKLY. BL. AS AT 2402 TO 2463	2460	5	100							
		10° SERP SLICK			-2463 STRONGLY BL. AS AT 2420	2465	5	100							
						2470	5	100							
				FRACS SCARCE	LOCAL ZONES OF WK. CHLORITE	2475	5	100	A-1444	.06					
		0° MATROLITE VLT.				2480	5	100							
						2485	5	100							
		0° TALC SLICK		FRACS GEN. 70°	FAIR PYRITE DIS. & CONC. IN FRACS CONTINUES	2490	5	100							
						2495	5	100							
						2500	5	100	45	.03			Tr	Tr	.05
						2505	5	100							
						2510	5	100							
		70° STRONG PYRITE		-2' BRECCIA, STRONG PYRITE & CHLOR. CEMENT		2515	5	100							
						2520	5	100							
				FRACS GEN. 20°		2525	5	100	46	.04					
						2530	5	100							
		70° FAIR PYRITE			-2532 WKLY. BLEACHED ABUNDANT CHLOR.	2535	5	100							
				Diss. Pyr.	-2537 STRONGLY BL. SCARCE CHLOR. LOCAL 71" & 1' ZONES OF WKLY. BL. AND. PORPH. IN A STRONGLY BL. CHLOR. SCARCE AND. PORPH.	2540	5	100							
						2545	5	100							
						2550	5	100	47	.06					
					-2551 2' WKLY BL. ABUNDANT CHLOR.	2555	5	100							
		70° FAIR PYRITE				2560	5	100							
						2565	5	100							
						2570	5	100							
						2575	5	100	48	.02					
			XENOLITHS TYPICALLY LIGHTER THAN ANDESITE PORPH. W/ LARGER GRAINS AND HIGHER CONC. OF CHLOR. THAN AND. PORPH.	FRACS. GEN. 40°	PYRITE UNIFORM CONC. IN AND. PORPH & XENOLITHS	2580	5	100							
		70° PYRITE VLT.				2585	5	100							
						2590	5	100							
						2595	5	100							
					PYRITE ASSOC. W/ CHLOR.	2600	5	100	49	.03					
						2605	5	100							
		10° TALC SLICK 40° PYRITE VLT. 0° PYRITE VLT.				2610	5	100							
		10° MATROLITE				2615	5	100							
		20° 1/4" GOUGE				2620	5	100							
						2625	5	100	A-1450	.02			Tr	Tr	[illegible]

INSPIRATION CONSOLIDATED COPPER CO.

Sanchez Mine

Geological Department

DIAMOND DRILL RECORD

Scale 1" = 20'

J. L.

HOLE NO. AW-2 (BEN HUR)
FROM 2625
ELEVATION 5036.4
COORDINATES 1220.30 N 8554.30 E
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

GEOLOGY

SECTION	COLUMN	MINERALIZATION	LITHOLOGY	STRUCTURE	GENERAL MINERALIZATION AND ALTERATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SAMPLE NUMBER	CU	S CuOx	CA-CO3	Mo	Au	Ag
			SAME	SOLID FRACS. SCARCE	ROCK CONTINUES STRONGLY BLEACHED	2630	5	100							
				FRACS. GEN. 40°		2635	5	100							
				S	Diss. Pyr.	2640	5	100							
						2645	5	100							
						2650	5	100	A-2253	.03					
				S.	Diss. Pyr.	2655	5	100							
					2661 4' FAIR DIS. CHLOR. CLOTS, 1" ACROSS	2660	5	100							
			2665 MED. GRAY GROUNDMASS		2664 WKLY. BL. ABUNDANT CHLOR.	2665	5	100							
						2670	5	100							
						2675	5	100	A-2254	.02					
			2680 NO LONGER AGGLOMERITIC		NUMEROUS CAL. FRAC. FILLS	2680	5	100							
						2685	5	100							
				FRACS. GEN. 20°& 40° NO LONGER SCARCE		2690	5	100							
						2695	5	100							
			2698 DARK GRAY AND. WKLY. PORPH., PLAG ≤ 1mm, BLEACHED ONLY ALONG VLTS., SCARCE BIO. & HORN. PHENOS ≤ 1mm.	Darker color	2698 BECOMES UNBL. PYRITE WKLY. DIS. & WKLY CONC. ALONG FRACS SOME CHLOR. ON FRACS.	2700	5	100	55	0.03	1.35		TR	.005	.10
			2707 GREENISH GRAY, BL AND. PORPH	2710 2" BRECCIA CAL. CEMENT	2707 WKLY. BL. AND. PORPH. PLAG & CLAY ≤ 3mm, CHLOR. ABUNDANT ≤ 5mm, 2710 NATROLITE IN ALL FRACS.	2705	5	100	56	0.02					
						2710	5	100	57	0.02					
			2719 STRONGLY BL., LT. GRAY, SCARCE CHLORITE		2719 STRONGLY BL., TR. DIS. PYRITE	2715	5	100	58	0.02					
						2720	5	100	59	TR					
			2727 MED. GRAY AND. PORPH, PLAG ≤ 4mm SCARCE BIO. & HORN ≤ 1mm.		2727 END BL. WEAKLY DIS. PYRITE, SCARCE EPID.	2725	5	100	60	TR	2.55		TR	TR	.05
						2730	5	100	61	TR					
			2737 MED. GREEN-GRAY PORPHYRITIC BL. AND. PORPH. EPID. PHENOS ≤ 3mm			2735	5	100	62	TR					
					2737 STRONGLY BL. EPID. CONC. ALONG FRACS. PYRITE WKLY. DIS.	2740	5	100	63	0.02					
						2745	5	100	64	0.03					
				2748 4' CRUSH & WK GOUGE 2752	lighter color CALCITE MOST FRACS. Diss. pyr.	2750	5	100	65	0.18	0.40		.003	.005	.25
			2755 DARK GRAY WKLY PORPH. AND., PLAG ≤ 2mm (SOMEWHAT LARGER ALONG VLTS.)		2755 TR. DIS. PYRITE	2755	5	100	66	0.03					
						2760	5	100	67	0.02					
			2765 GREEN-GRAY SAME AS ABOVE		NO PYRITE IN ROCK	2765	5	100	68	0.04					
				Dark color FRACS. GEN. 0°& 20°		2770	5	100	69	0.02					
					Tr FeS2	2775	5	100	70	TR	3.65		.002	.005	.15
			2783 LT. GRAY-GREEN PORPH. AND. PLAG ≤ 2mm, CHLOR ≤ 1mm, SCARCE HORN & BIO., F. GR. MED. GRAY GROUNDMASS			2780	5	100	71	TR					
						2785	5	100	72	TR					
			2788 GREEN-GRAY WKLY PORPH. AND., PLAG. ≤ 2mm (SOMEWHAT LARGER ALONG VLTS.)			2790	5	100	73	0.02					
						2795	5	100	74	TR					
			2799			2800	5	100	A-2255	0.02	.50		TR	TR	.05

INSPIRATION CONSOLIDATED COPPER CO.

Sanchez Mine

Geological Department

DIAMOND DRILL RECORD

Scale 1" = 20'

J.L.

HOLE NO. AW-2 (BEN HUR)
FROM 2800
ELEVATION 5036.4'
COORDINATES 1970.30 N 8554.30 E
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

GEOLOGY

SECTION	COLUMN	MINERALIZATION	LITHOLOGY	STRUCTURE	GENERAL MINERALIZATION AND ALTERATION
0		5° SERP. SLICK - CAL. & STRINGS	F. GR. MED. GRAY GROUNDMASS	SOLID	
		2° SERP. SLICK 90° WK. PYRITE VEIN		FRACS. GEN. 0° & 20°	
		1" CAL.-SERP. SLICK			
		10° SERP.-CAL.-EPID.			
		0° SERP. SLICK			
			2813		
			MED. GRAY AND. PORPH., PLAG. 6mm IN A F. GR. BIO. MATRIX.		WK. PYRITE ON MOST FRACS
		10° SERP, EPID, CAL., TR. PYRITE			
		10° SERP. CAL. SLICK			
		2° SERP.-EPID-CAL.-WK. PYRITE			
		1" EPID.-CAL. VLT-FAIR PYRITE 0° SERP. SLICK			
		10° FAIR PYRITE			WKLY. DISEM. PYRITE
					END WKLY. DISEM. PYRITE
					PYRITE CONTINUES IN MOST FRACS.
			2845 ROCK BECOMES GREENISH LT. GRAY, CREAM COLORED MATRL. ABUNDANT CHLOR. AFTER BIO. & HBL.		2845 WKLY. DL. PLAG. 3-5mm IN WK. DISEM. PYRITE & ON FRACS.
		20° SERP. - FAIR PYRITE			PYRITE ASSOC. W/ CHLOR. AND IN VLTS. W/CR W/OUT CHLOR, CHLOR. IN BL. ZONES & IN VLTS. ONLY.
0		30° WK. PYRITE W/ CAL.	2861 RETURN TO MED. GRAY MED. PORPH ABOVE, GRNSH AGGLOM.	FRACS. GEN. 0° & 20°	2861 END PYRITE
		0° SERP. - CAL. SLICK	2863 GREENISH, LT. GRAY AS ABOVE, SLIGHTLY AGGLOM.		2863 WKLY BL. AS ABOVE WK. DISEM. PYRITE
		0° TALC SLICK		2867 ½" CRUSH & GOUGE	
		0° SERP. SLICK			
		0° SERP. SLICK	2872 RETURN TO LT. GRAY AND. PORPH AS ABOVE		2872 END WKLY BL. NUM. CAL. FRAC. FILLS
		0° SERP. CAL. - SLICK			
		0° ½" EPID. VLT.	2885 1' GREENISH, LT. GRAY AS ABOVE		2885 1' WKLY. BL AS ABOVE
			2887 1' " " " " "		2887 1' " " " "
		0° 1½" EPID. - WK. SPHAL.			
		20° NORIOLITE	2895	FRACS GEN. 0° & 40°	
		10° ½" CAL. SLICK	LT. GRAY WKLY. PORPH. AND., PLAG. & 3 mm IN A MED. GRAY MATRIX, SCATTERED BIO. & 1mm, SCARCE HORN. & 1mm, NON AGGLOM.	Dark → Light → more Pyr.	SOME EPID. VLTS, NUM. QTZ. VLTS. PYRITE IN FRACS. TR. DISEM. WKLY. BL., ALONG EPID. & QTZ. VLTS.
		20° EPID. - WK. SPHAL. - TR. CHALCO.			
		20° CAL. SLICK			
		0° 1½" PYRITE - CAL VLT.			
		10° ½" PYRITE VLTS.			
		10° TR CHALCOP.			
		0° TALC SLICK - WK PYRITE			
		0° SERP. SLICK			
		10° EPID. VLT.	2946 3' WKLY. BL. LT. GRAY AND PURP. SCARCE CHLOR. ALSO ALTERATION	Little pyr. Darker	NUMEROUS EPID. VLTS. WK. DISEM. PYRITE, CONC. IN EPID. VLTS.
			2947 MED. GRNSH, PURPLE, AND. AGGLOM. PLAG. & 6mm IN A FINE GR. BIO. MATRIX.		WK. PYRITE ON FRACS & VLTS., LOCAL ZONES DISC. PYRITE ASSOC. W/ CHLOR.
			2953 ROCK BECOMES LESS PORPH. BIO. QUART. IN MATRIX DECREASES		
		1° CAL. SLICK	2955		
			PORPH. AND., LT. GREEN DUE TO ABUN. CHLOR., STRONGLY BL., SOME EPID FRACS & VLTS.		2957 STRONGLY BL. NUM. CHLOR. & EPID. VLTS. DIS. PYRITE ASSOC. W/ CHLOR. & PYR. W/ CHLOR & EPID. VLTS.
		80° WK. PYRITE VLT			
		5° PYRITE			2972 1' STRONG PYRITE

SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS						
			SAMPLE NUMBER	CU	S CUOX	CA-CO3	MO	AU	AG
2805	5	100	A-2826	0.02					
2810	5	100	27	0.05					
2815	5	100	28	0.03					
2820	5	100	29	0.03					
2825	5	100	30	0.03	.25		TR	TR	.05
2830	5	100	31	0.02					
2835	5	100	32	TR					
2840	5	100	33						
2845	5	100	34	TR					
2850	5	100	35	TR	1.00		TR	TR	.05
2855	5	100	36	0.03					
2860	5	100	37	0.02					
2865	5	100	38	TR					
2870	5	100	39						
2875	5	100	40	TR	1.00		.002	.005	.10
2880	5	100	41	TR					
2885	5	100	42	TR					
2890	5	100	43	TR					
2895	5	100	44	TR					
2900	5	100	45	0.02	.70		.002	TR	.10
2905	5	100	46	TR					
2910	5	100	47	TR					
2915	5	100	48	TR					
2920	5	100	49	0.03					
2925	5	100	A-2950	0.02	1.20		TR	TR	.05
2930	5	100	A-3741	0.03					
2935	5	100	42	0.04					
2940	5	100	43	0.02					
2945	5	100	44	TR					
2950	5	100	45	0.02	.95		.002	TR	.10
2955	5	100	46	0.02					
2960	5	100	47	0.03					
2965	5	100	48	0.03					
2970	5	100	49	0.02					

INSPIRATION CONSOLIDATED COPPER CO.

Sanchez Mine

Geological Department

DIAMOND DRILL RECORD

Scale 1" = 20'

J.L

HOLE NO. AW-2 (BEN HUR)
FROM 2975
ELEVATION 5036.4
COORDINATES 1770.30 N 6554.30 E
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

GEOLOGY

SECTION	COLUMN	MINERALIZATION	LITHOLOGY	STRUCTURE	GENERAL MINERALIZATION AND ALTERATION
		20° QTZ-FAIR PYRITE	SAME	SOLID	
				FRACS. GEN. 0° & 40°	2982 2' STRONG PYRITE MATRIXLITE, CFL. & QTZ.
			2985 MED. GRAY AND. WKLY PORPH., WKLY. AGGLOM., PLAG. & LMA., MED. GRAY MATRIC, SCARCE BIO. & HORN. PHENOS & 2mm., TR. EPID. PHENOS & 2 MM		2985 END STRONGLY BL. WK. LOCAL DISEM. PYRITE
		90° TR. PYRITE		FRACS. BECOME SCARCE	CONC. ON FRACS.
					CHLOR. ON LOCAL SCAT. FRAC. & IN VLTS.
		70° TR. PYRITE 1" WK PYRITE & END			SOME 40° QTZ. VLTS. W/ WK. BLEACHING ALONG QTZ. VLTS.
		90° TR. PYRITE		Dark ~~light~~ light more diss. pyr.	~~Stronger Veinlet~~ ~~Moderate~~
				Diss. little pyr.	
		1" FAIR PYRITE W/ CHLOR.			
		20° FAIR PYRITE			
			3040 6" ZONE BLACK AGR. AND. SCARCE PLAG PHENOS & 3 MM	FRACS. SCARCE GEN. 20°	Diss. pyr.
		80° WK. PYRITE			
		40° 1/2" QTZ. WK PYRITE			
		3/4" QTZ. VLT-STRONG PYRITE			3064 1' STRONGLY BL., NUM QTZ. & EPID. VLTS.
		1" EPID. VLT			
		1" QTZ. VLT.			3072 6" WKLY. BL., ABUN. CHLOR., FAIR DISEM. PYRITE
					3079 2" WKLY BL. AS ABOVE
					3081 3" WKLY BL. AS ABOVE
		1" QTALC SLICKS 2" QTZ. VLT.			
		1" QTZ. VLT.			3092 2" WKLY. BL. AS ABOVE
		30° WK CHLOR., PYRITE & SPHAL TO EPID VLT. 20° TR. CHALCOPYRITE, PYRITE IN EPID. VLT			3096 1' WKLY. BL., ABUN. CHLOR.
				Diss. pyr.	3102 2" WKLY. BL. AS ABOVE
		50° NATROLITE 2° FERR. TALC SLICK			3108 4" WKLY. BL. AS ABOVE
		20° CHLOR SLICK			
		20° EPID. - QTZ. VLT			
		4-10° EPID. VLTS. 1" QTZ. VLT. 3" EPID. - FAIR CHALCOP.	3130 LT. GREEN AND. WKLY PORPH. & FRAGLEN SOME EPID. PHENOS & 3MM, COAC. ALONG VLTS.		3130 WKLY. BL., ABUN. CHLOR., NUM. EPID. & CHLOR. VLTS. PYRITE IN LARGER QTZ, EPID & CHLOR. VLTS
				Tr. pyr.	

SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS						
			SAMPLE NUMBER	CU	S CUOX	CA-CO3	MO	AU	AG
2980	5	100	A-3751	0.02					
2985	5	100	52	TR					
2990	5	100	53	TR					
2995	5	100	54	0.02					
3000	5	100	55	0.02	2.00		TR	TR	.05
3005	5	100	56	TR					
3010	5	100	57	0.03					
3015	5	100	58	0.02					
3020	5	100	59	0.02					
3025	5	100	60	0.03	.75		TR	TR	.05
3030	5	100	61	0.02					
3035	5	100	62	TR					
3040	5	100	63	TR					
3045	5	100	64	0.02					
3050	5	100	65	0.02	.55		TR	.005	.10
3055	5	100	66	TR					
3060	5	100	67	TR					
3065	5	100	68	.02					
3070	5	100	69	.03					
3075	5	100	70	.02	1.60		TR	.005	.05
3080	5	100	71	TR					
3085	5	100	72	TR					
3090	5	100	73	TR					
3095	5	100	74	.02					
3100	5	100	75	.02	.85	-	TR	TR	.05
3105	5	100	76	.03					
3110	5	100	77	TR					
3115	5	100	78	TR					
3120	5	100	79	TR					
3125	5	100	80	.02	.30		TR	.005	.10
3130	5	100	81	.03					
3135	5	100	82	.10					
3140	5	100	83	.03					
3145	5	100	84	.02					
3150	5	100	A-3785	.03	.15		.003	TR	.05

INSPIRATION CONSOLIDATED COPPER CO.

Sanchez Mine

Geological Department

DIAMOND DRILL RECORD

Scale 1" = 20'

J.L. – R.A.

HOLE NO. AW-2 (BEN HUR)
FROM 3150
ELEVATION 6031.4
COORDINATES 1220.30 N 4334.40 E
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

GEOLOGY

SECTION	COLUMN	MINERALIZATION	LITHOLOGY	STRUCTURE	GENERAL MINERALIZATION AND ALTERATION
50		20° EPID. VLT. WK. CHALCOP. 10° EPID. - WK. PYRITE 20° EPID. ¼" WK. CHALCOP. PYRITE	SAME	SOLID	CONTINUES WKLY. BL.
		0° STRONG PYRITE			
		6° WK. PYRITE 20° QTZ WK. CHALCOP. PYRITE			
		0° SERP-EPID. SLICK			
		70° CAL. - WK. PYRITE			
		2½° ¼° WK. PYRITE 20° EPID. 2° WK. PYRITE 2° WK. PYRITE 2° EPID. SLICK 0° WK. PYRITE 12° SERP-EPID. SLICK			
		10° EPID. 20° ¼" GOUGE 10° EPID. VLT. = NATROLITE	3176 ROCK BECOMES GRAY-GREEN CHLOR. & EPID BECOMES ABUN. EPID. & CHLOR & 8mm.		PYRITE OCCURS IN TIGHT FRACS. AND LOCALLY STRONGLY DISEM & w/ NUM. CHLOR., EPID., QTZ. VLTS.
		0° EPID. - FAIR PYRITE	3183 BECOMES GRAY 3184 BECOMES GRAY GREEN	3182 ¼" GOUGE	ZEOLITES: CHABAZITE & STILBITE IN MANY VLTS.
		10° EPID. STRONG PYRITE & CHLOR.		3181 ⅛" GOUGE	3190 FAIR DISEM. PYRITE
		0° EPID. - QTZ. - CHLOR. - STRONG PYRITE	3195		
		20° SERP. SLICK	VARIABLE LITHOLOGY DARK GRAY TO ALMOST BLACK, WKLY. PORPH AND, 3 HORN., & 8mm. SUCCE BIO. & LIMP. ROCK BECOMES WKLY PORPH. w/ PLAG & 8mm		3196 WK MOLY & CHALCOP.
		20° EPID. VLT. - WK. MOLY & CHALCOP. AND CHLOR. VLT.	3201 ¼ LT. GRAY NEAR BL. ZONES BORDERING BL. ZONES		3201 4" STRONGLY BL., ABUN. PYRITE 3205 " STRONGLY BL., ABUN. CHLOR. & EPID.
		20° CHLOR. - EPID-QTZ - STRONG PYRITE	ROCK TAKES ON GREENISH TINT DUE TO REPLACEMENT OF BIO. & HORN. BY CHLOR. WKLY AGGLOM.		3208 WK. MOLY.
		30° SERP. SLICK			3212 GOOD MOLY, WK. CHALCOP
		10° CAL-EPID-SERP. SLICK			3215 1' STRONGLY BL. STRONG PYRITE DISEM.
		20° TALC-CHLOR-SLICK 0° EPID-VLT-WK MOLY & CHALCOP. VLTS			
		10° CAL-SERP. SLICK 0° EPID. VLT. - WK. CHLOR. - GOOD MOLY 20° TALC SLICK	1" long 12mm TRACE, 2" long		
		0° QTZ ⅝"			
		2° FAIR PYRITE 0° EPID. - GOOD MOLY 3mm, 2" LONG 5° GOOD MOLY, FAIR CHALCOP. w/ EPID. VLT.	5mm TRACE, 3" LONG		3220 GOOD MOLY 3223 GOOD MOLY & FAIR CHALCOP
		0° QTZ. - FAIR PYRITE			PYRITE DISEM. ASSOC. w/ CHLOR. WHERE PRESENT
		3° TALC SLICK			
		0° TALC SLICK 10° TALC SLICK 2° TALC SLICK CHL. VLT. TR CHALCOP 0° PYRITE SLICK (2 sets)			WKLY DISEM. PYRITE CAL. IN MOST FRACS.
		20° NATROLITE			
		10° NATROLITE			
		20° TALC. SLICK			
		30° QTZ. - STRONG PYRITE			3244 TR. CHALCOP. & MOLY. (?)
		20° TALC SLICK			
		2° WK. TALC SLICK			
		0° STRONG PYRITE VLT.			
		30° STRONG PYRITE			
		50° STRONG PYRITE			
		60° FAIR PYRITE VLT. 10° PYRITE VLT.			STRONG FINELY DISEM. PYRITE, WKLY. DISEM. PYRITE & IN SMALL VLTS.
		20° SERP. SLICK			
		0° STRONG PYRITE			3275 1' BL. STRONG PYRITE
		40° CAL. - PYRITE			
		20° TALC SLICK			
		0° CAL. SLICK	3291 CORE BECOMES CREAM COLORED FOR 1'		3291 1' STRONGLY BL. w/ CHLOR. & EPID. INCREASING
		10° EPID. VLT. ¼"		FRACS GEN. 10°/50°	
		10° EPID.-SERP SLICK			
		2° ALUNITE, PYRITE & CALCITE		3299 ⅝" CRUSH	
		2° ALUNITE - WK. PYRITE			
		2° CAL. SLICK & STILBITE			
		0° EPID. VLT.			
		20° CAL. SLICK			
		0° ⅛" CAL. VLT.			
		20° QTZ - WK. PYRITE			

SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS						
			SAMPLE NUMBER	CU	S CUOX	CA-CO3	MO	AU	AG
3155	5	100	A-3786	0.11					
3160	5	100	87	0.03					
3165	5	100	88	0.02					
3170	5	100	89	TR					
3175	5	100	90	TR	1.25		TR	.005	.10
3180	5	100	91	TR					
3185	5	100	92	TR					
3190	5	100	93	0.02					
3195	5	100	94	0.02					
3200	5	100	95	0.03	1.00		TR	TR	.05
3205	5	100	96	TR			TR		
3210	5	100	97	0.02			.002		
3215	5	100	98	0.02			.002		
3220	5	100	99	TR			TR		
3225	5	100	A-3800	TR	1.15		.002	TR	.10
3230	5	100	A-3951	0.03			0.002		
3235	5	100	52	0.02			TR		
3240	5	100	53	0.02			TR		
3245	5	100	54	0.03			TR		
3250	5	100	55	TR	.50		TR	TR	.05
3255	5	100	56	TR					
3260	5	100	57	TR					
3265	5	100	58	TR					
3270	5	100	59	0.02					
3275	5	100	60	0.03	.85		.002	.005	.10
3280	5	100	61	0.02					
3285	5	100	62	TR					
3290	5	100	63	0.03					
3295	5	100	64	0.02					
3300	5	100	65	0.04	.40		.002	TR	.10
3305	5	100	66	0.02					
3310	5	100	67	0.03					
3315	5	100	68	0.03					
3320	5	100	69	0.02					

INSPIRATION CONSOLIDATED COPPER CO.

Sanchez Mine

Geological Department

DIAMOND DRILL RECORD

Scale 1" = 20'

HOLE NO. AW-2 (BEN AMIR)
FROM 3325
ELEVATION
COORDINATES ..... N ..... E
DIRECTION
INCLINATION ..... DEPTH
STARTED ..... COMPLETED
Russ

GEOLOGY

SECTION	COLUMN	MINERALIZATION	LITHOLOGY	STRUCTURE	GENERAL MINERALIZATION AND ALTERATION
		10° TALC-CAL EPID-SER P. SLICK	SAME	SOLID	SAME
		90° FAIR PYRITE VLT 5° CHLOR.-EPID. SLICH 10° TR CHALCOP, WR. SPHAL. 10° TALC SLICK 10° CAL-EPID. VLT. 10° CR. SPHAL, TR. CHALCOP -EPIDOTE VLT. 10° WR. PYRITE	3331 WKLY. BL. PHO. PORPH. PALE GREEN TO CREAM, BIG f HORN & CHLOR.	-3334 4°CRUSH -3335 2°CRUSH
		40° 1/2" QTZ-FAIR PYRITE	3344 SAME AS ABOVE		
		20° FAIR PYRITE 10° CAL-TALC-SERP-EPID. SLICK	3351		
		30° WK. PYRITE 5° SERPH. EPID. 5° CAL. SLICK	MEDIUM GRAY TO GREEN AND WKLY. PORPH PLAG 2mm in MEDIUM GRAY BIOTITE 6mm MATRIX. LOCAL BIOTITE → CHLORITE.	FRACS GEN. 20°	
		2° DISEM. PYRITE 30° PR. PYRITE 40° CHAL. SLICK 2° FAIR PYRITE 1° CAL SLICK 2° FAIR PYRITE 1° CAL SLICK 1° DISS PYRITE 1° CHLORITE VLT. 1° CHLORITE VLT. 40° FAIR PYRITE 10° WK. PYRITE 50° SERP. SLICK 10° WK. PYRITE — 1° DISEM. PYRITE 5° CHLOR. CAL. SLICK 5° FINE PYRITE 1° DISS PYRITE			
		30° CHLORITE WR. PYRITE			
		10° WK. PYRITE 10° TALC, CAL. SLICK FR. PYRITE			
		70° PR. PYRITE			
		1/16" 1/4" QTZ VLT STGS. PYRITE 30° WK. PYRITE			
		60° QTZ VLT, WK. PYRITE 1/4" WIDE	3402 WKLY. AGGLOMERITIC		
		50° QTZ. VLT, CHLORITE TR. PYRITE			
		2 80° PR. PYRITE 20° EPIDOTE w/ WK. PYRITE 80° QTZ. VLT, WR. PYRITE			
		10° QTZ. VLT 10° EPIDOTE VLT w/WK PYRITE 60° WK. PYRITE 20° EPIDOTE, CHLORITE GANG			
		20° CAL CLORITE GANG. PYRITE 10° CAL CHLORITE GANG. TR GALENA 80° PYRITE			3426 WR. MOLY
		60° QTZ VLT STGS. PYRITE 40° PR PYRITE 80° WK. PYRITE 20° QTZ VLT TR PYRITE			
		80° WK. PYRITE 20° QTZ VLT TR PYRITE			
		80° FR. PYRITE 80° FR PYRITE 30° EPIDOTE WR. PYRITE 20° WK. PYRITE	3449 END WKLY. AGGLOM. LOC. AGGLOMERITIC.		
		5° EPIDOTE CHLORITE 5° WK. PYRITE			
		30° QTZ VLT. EPIDOTE, CHLORITE 10° WK. PYRITE 70° WK. PYRITE 20° CHLORITIC QTZ VLT TR PYRITE 10° WK. PYRITE	3464 RUSS MED. GRAY PORPH. AND.		
		10° CHLORITE, CAL EPIDOTE TR PY 40° CHLORITE CAL. EPIDOTE TR PY 30° EPIDOTE QTZ VLT STGS TR CHALCOPYRITE	PLAG ± 3/16 EUHEDRAL TO SUBEUHEDRAL HORN ± 1/16" ANHEDRAL. SCARCE BIOTITE ± 1mm CHLORITE ± 1/32"		3468 3' BL. WKY. EPIDOTE TR. DISS PYRITE 30mm CHLORITE WK. AFTER PYRITE
		10° CAL EPIDOTE TR PYRITE	EPIDOTE CONCENTRATED IN SL. FINUTS SOME SCATTERED EPIDOTE AS PHENOS. ± 1/16"		
		30° CAL CHLORITE 10° STILBITE EPIDOTE VN	MED GRAY FINE GRAINED MATRIX		
		30° 1/4" STILBITE 10° INCHAMPSITE STILBITE	3490 LOC. AGGLOMERITIC. MED. GRAY PORPH. AND. AGGLOMERATE SEMI WITH AS ABOVE MATRIX CONTAINS LESS PLAG.		

SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS						
			SAMPLE NUMBER	CU	CUOX	5 CA. CO3	MO	Ag	Au
3330	4	80	A-3971	TR					
3335	5	100	72	0.03					
3340	5	100	73	0.02					
3345	5	100	74	TR					
3350	5	100	75	0.02		.40	TR	.05	TR
3355	5	100	76	TR					
3360	5	100	77	.04					
3365	5	100	78	.02					
3370	5	100	79	.03					
3375	5	100	80	.02					
3380	5	100	81	TR					
3385	5	100	82	TR					
3390	5	100	83	TR					
3395	5	100	84	.02		.305	TR	.05	TR
3400	5	100	85	TR					
3405	5	100	86	.02					
3410	5	100	87	.02					
3415	5	100	88	TR					
3420	5	100	89	.03					
3425	5	100	90	TR		1.45	TR	.05	TR
3430	5	100	91	TR			TR		
3435	5	100	92	TR			.002		
3440	5	100	93	.04					
3445	5	100	94	.03					
3450	5	100	95	.04		1.20	.002	.10	.005
3455	5	100	96	.04					
3460	5	100	97	.02					
3465	5	100	98	.03					
3470	5	100	99	.05					
3475	5	100	A-4000	.03		.80	.002	.10	.005
3480	5	100	A-4101	.02					
3485	5	100	02	TR					
3490	5	100	03	.04					
3495	5	100	04	.04					
3500	5	100	A4105	.02		.85	TR	.05	TR

Talc ser pyr. Dark pyr (-)
Talc ser chlor. Pyr (-)
Dark pyr (-)
Light ser pyr + Dark pyr 0
Dark Pyr (-)
Dark Pyrite
Dark pyr (-)

INSPIRATION CONSOLIDATED COPPER CO.

Sanchez Mine

Geological Department

DIAMOND DRILL RECORD

Scale 1" = 20'

HOLE NO. AW-2 (BEN HUR)
FROM 3500
ELEVATION
COORDINATES N E
DIRECTION
INCLINATION DEPTH
STARTED COMPLETED

SECTION	COLUMN	GEOLOGY: MINERALIZATION	GEOLOGY: LITHOLOGY	GEOLOGY: STRUCTURE	GEOLOGY: GENERAL MINERALIZATION AND ALTERATION	SURVEY	FOOTAGE OF CORE RECOVERED	% CORE RECOVERED	CORE ASSAYS: SAMPLE NUMBER	CU	CUOX	CA-CO3		
4'		20' CAL-EPID. 50' RTZ-CAL. ALT. 20' CHLOR-EPID-TR. PYRITE	PHENOS. MORE EPIDOTE NOT ASSOC. W/BL. ZN. ANHEDRAL PLAG ≤ 1/16" SUBHEDRAL HORN ≤ 1/16" SCARCE BIOTITE ≤ 1/32" MEDIGRAY GROUNDMASS	SAME	SAME	3505	6	100	A-4106	.02				
				BOTTOM OF HOLE	3506	3510								
				Dark	pyr. (-) very fine	3515								
						3520								
						3525								
						3530								
						3535								
						3540								
						3545								
						3550								
						3555								
						3560								
						3565								
						3580								
						3575								
						3580								
						3585								
						3590								
						3595								
						3600								
						3605								
						3610								
						3615								
						3620								
						3625								
						3630								
						3635								
						3640								
						3645								
						3650								
						3655								
						3660								
						3665								
						3670								
						3675								

AW-2 (Ben Hur)

SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	MN SLUDGE SAMPLES DEPTH	% TOT. CU.	AG.	AU.
762	43	25	0.02				0.22			
		30								
		35								
		40								
		45								
762	44	50	TR	TR	TR					
		55								
		60								
		65								
		70								
762	45	75	TR							
		80								
		85								
		90								
		95								
762	46	100	TR	TR	TR					
		105								
		110								
		115								
		120								
762	47	125	0.03							
		130								
		135								
		140								
		145								
762	48	150	0.15	TR	TR					
		155								
		160								
		165								
		170								
762	49	175	0.03	TR	TR					
		180								
		185								
		190								
		195								
762	50	200	0.10	TR	TR					
		205								
		210								
		215								
		220								
762	51	225	0.07							
		230								
		235								
		240								
		245								
762	52	250	0.02	TR	TR					
		255								
		260								
		265								
		270								
762	53	275	TR							
		280								
		285								
		290								
		295								
762	54	300	TR	TR	TR					
		305								
		310								
		315								
		320								
762	55	325	0.04							
762	56	330	0.10							

SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	SLUDGE SAMPLES DEPTH	% TOT. CU.	AG.	AU.
762	57	335	0.06							
		340								
		345								
762	58	350	0.09	0.06	TR					
		355								
		360								
		365								
		370								
762	59	375	0.06							
		380								
		385								
		390								
		395								
762	60	400	0.02	0.06	TR					
		405								
		410								
		415								
		420								
762	61	425	0.13							
		430								
		435								
		440								
		445								
762	62	450	TR							
		455								
		460								
		465								
		470								
762	63	475	TR							
		480								
		485								
		490								
		495								
762	64	500	0.02	TR	TR					
		505								
		510								
		515								
		520								
762	65	525	0.04							
		530								
		535								
		540								
		545								
762	66	550	TR	TR	TR					
		555								
		560								
		565								
		570								
762	67	575	TR							
		580								
		585								
		590								
		595								
762	68	600	0.02	0.10	TR					
		605								
		610								
		615								
		620								
762	69	625	TR							
		630								
		635								
		640								
		645								

SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	SLUDGE SAMPLES DEPTH	% TOT. CU.	AG.	AU.
762	70	650	0.07	TR	TR					
		655								
		660								
		665								
		670								
762	71	675	0.07							
		680								
		685								
		690								
		695								
762	72	700	0.07	TR	TR					
		705								
		710								
		715								
		720								
762	73	725	0.04							
		730								
		735								
		740								
		745								
762	74	750	0.03							
		755								
		760								
		765								
		770								
762	75	775	0.03							
		780								
		785								
		790								
		795								
762	76	800	0.02							
		805								
		810								
		815								
		820								
762	77	825	0.02							
		830								
		835								
		840								
		845								
762	78	850	0.02							
		855								
		860								
		865								
		870								
762	79	875	0.03							
		880								
		885								
		890								
		895								
762	80	900	0.02							
		905								
		910								
		915								
		920								
762	81	925	0.02							
		930								
		935								
		940								
		945								
762	82	950	0.42	TR	TR					
		955								
		960								

SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	SLUDGE SAMPLES DEPTH	% TOT. CU.	AG.	AU.
		965								
		970								
762	83	975	0.03							
		980								
		985								
		990								
		995								
762	84	1000	TR	TR	TR					
		1005								
		1010								
		1015								
		1020								
762	85	1025	TR							
		1030								
		1035								
		1040								
		1045								
762	86	1050	0.04	TR	TR					
		1055								
		1060								
		1065								
		1070								
762	87	1075	0.03							
		1080								
		1085								
		1090								
		1095								
762	89	1100	0.03	TR	TR					
		1105								
		1110								
		1115								
		1120								
762	89	1125	0.02							
		1130								
		1135								
		1140								
		1145								
762	90	1150	Nil	TR	TR					
		1155								
		1160								
		1165								
		1170								
762	91	1175	0.10							
		1180								
		1185								
		1190								
		1195								
762	92	1200	0.28	0.24	TR					
		1205								
		1210								
		1215								
		1220								
762	93	1225	0.02							
		1230								
		1235								
		1240								
		1245								
762	94	1250	0.02	TR	TR					
		1255								
		1260								
		1265								
		1270								
762	95	1275	0.02							

SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	SLUDGE SAMPLES DEPTH	% TOT. CU.	AG.	AU.
		1280								
		1285								
		1290								
		1295								
762	96	1300	0.02	TR	TR					
		1305								
		1310								
		1315								
		1320								
762	97	1325	0.17							
		1330								
		1335								
		1340								
		1345								
762	98	1350	0,02	TR	TR					
		1355								
		1360								
		1365								
		1370								
762	99	1375	TR							
		1380								
		1385								
		1390								
		1395								
763	00	1400	TR	TR	TR					
		1405								
		1410								
		1415								
		1420								
A014	01	1425	TR							
		1430								
		1435								
		1440								
		1445								
A-014	02	1450	TR							
		1455								
		1460								
		1465								
		1470								
A-014	03	1475	TR							
		1480								
		1485								
		1490								
		1495								
A-014	04	1500	0.35							
		1505								
		1510								
		1515								
		1520								
A-014	05	1525	0.02							
		1530								
		1535								
		1540								
		1545								
A-014	06	1550	TR							
		1555								
		1560								
		1565								
		1570								
A-014	07	1575	TR							
		1580								
		1585								
		1590								

SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	SLUDGE SAMPLES DEPTH	% TOT. CU.	AG.	AU
		1595								
A-014	08	1600	TR							
		1605								
		1610								
		1615								
		1620								
A-014	09	1625	0.04							
		1630								
		1635								
		1640								
		1645								
A-014	10	1650	0,03							
		1655								
		1660								
		1665								
		1670								
A-014	11	1675	TR							
		1680								
		1685								
		1690								
		1695								
A-014	12	1700	Nil							
		1705								
		1710								
		1715								
		1720								
A-014	13	1725	TR							
		1730								
		1735								
		1740								
		1745								
A-014	14	1750	TR							
		1755								
		1760								
		1765								
		1770								
A-014	15	1775	Nil							
		1780								
		1785								
		1790								
		1795								
A-014	16	1800	TR							
		1805								
		1810								
		1815								
		1820								
A-014	17	1825	TR							
		1830								
		1835								
		1840								
		1845								
A-014	18	1850	TR							
		1855								
		1860								
		1865								
		1870								
A-014	19	1875	TR							
		1880								
		1885								
		1890								
		1895								
A-014	20	1900	Nil							

SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	SLUDGE SAMPLES DEPTH	% TOT. CU.	AG.	AU.
		1905								
		1910								
		1915								
		1920								
A-014	21	1925	Nil							
		1930								
		1935								
		1940								
		1945								
A-014	22	1950	Nil							
		1955								
		1960								
		1965								
		1970								
A-014	23	1975	Nil							
		1980								
		1985								
		1990								
		1995								
14	24	2000	0.04							
		2005								
		2010								
		2015								
		2020								
14	25	2025	0.02							
		2030								
		2035								
		2040								
		2045								
		2050								
14	26	2055	0.02							
	27	2060	TR							
		2065								
		2070								
14	28	2075	0.02							
		2080								
		2085								
		2090								
		2095								
14	29	2100	TR							
		2105								
		2110								
		2115								
		2120								
14	30	2125	0.02							
		2130								
		2135								
		2140								
		2145								
14	31	2150	0.02							
		2155								
		2160								
		2165								
		2170								
14	32	2175	TR							
		2180								
		2185								
		2190								
		2195								
14	33	2200	Nil							
		2205								
		2210								
		2215								

		CORE SAMPLES ICCo.					S SLUDGE SAMPLES			
SAMPLE NO.		DEPTH	% TOT. CU.	AG.	~~AU.~~	MO.	~~DEPTH~~	% TOT. CU.	AG.	AU.
		2220								
~~A~~-014	B4	2225	Nil							
		2230								
		2235								
		2240								
		2245								
	35	2250	0.03							
		2255								
		2260								
		2265								
		2270								
	36	2275	Nil							
		2280								
		2285								
		2290								
		2295								
	37	2300	0.02							
		2305								
		2310								
		2315								
		2320								
	38	2325	0.06				0.07			
		2330								
		2335								
		2340								
		2345								
	39	2350	0.03				1.8			
		2355								
		2360								
		2365								
		2370								
A-014	40	2375	0.04				1.0			
		2380								
		2385								
		2390								
		2395								
	41	2400	0.02							
		2405								
		2410								
		2415								
		2420								
	42	2425	TR							
		2430								
		2435								
		2440								
		2445								
	43	2450	0.03							
		2455								
		2460								
		2465								
		2470								
	44	2475	0.06							
		2480								
		2485								
		2490								
		2495								
	45	2500	0.03	0.05	TR	TR				
		2505								
		2510								
		2515								
		2520								
	46	2525	0.04							
		2530								

SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	Sulphur SLUDGE SAMPLES DEPTH	% TOT. CU.	AG.	AU.
		2535								
		2540								
		2545								
A-014	47	2550	0.06							
		2555								
		2560								
		2565								
		2570								
	48	2575	0.02							
		2580								
		2585								
		2590								
		2595								
	49	2600	0.03							
		2605								
		2610								
		2615								
		2620								
	50	2625	0.02	0.05	TR	TR				
		2630								
		2635								
		2640								
		2645								
A-022	53	2650	0.03							
		2655								
		2660								
		2665								
		2670								
	54	2675	0.02							
		2680								
		2685								
		2690								
		2695								
	55	2700	0.03	0.10	0.005	TR	1.35			
	56	2705	0.02							
	57	2710	0.02							
	58	2715	0.02							
	59	2720	TR							
	60	2725	TR	0.05	TR	TR	2.55			
	61	2730	TR							
	62	2735	TR							
	63	2740	0.02							
	64	2745	0.03							
	65	2750	0.18	0.25	0.005	0.003	0.40			
	66	2755	0.03							
	67	2760	0.02							
	68	2765	0.04							
	69	2770	0.02							
	70	2775	TR	0.15	0.005	0.002	3.65			
	71	2780	TR							
	72	2785	TR							
	73	2790	0.02							
	74	2795	TR							
	75	2800	0.02	0.05	TR	TR	0.50			
A-028	26	2805	0.02							
	27	2810	0.05							
	28	2815	0.03							
	29	2820	0.03							
	30	2825	0.03	0.05	TR	TR	0.25			
	31	2830	0.02							
	32	2835	TR							
	33	2840	TR 0.02							
	34	2845	TR							

		CORE SAMPLES					Sulphur	SLUDGE	SAMPLES	
SAMPLE NO.		DEPTH	% TOT. CU.	AG.	AU.	MO.	~~DEPTH~~	% TOT. CU.	AG.	AU
A-029	35	2850	TR	0.05	TR	TR	1.00			
	36	2855	0.03							
	37	2860	0.02							
	38	2865	TR							
	39	2870								
	40	2875	TR	0.10	0.005	0.002	1.00			
	41	2880	TR							
	42	2885	TR							
	43	2890	TR							
	44	2895	TR							
	45	2900	0.02	0.10	TR	0.002	0.70			
	46	2905	TR							
	47	2910	TR							
	48	2915	TR							
	49	2920	0.03							
	50	2925	0.02	0.05	TR	TR	1.20			
A-037	41	2930	0.03							
	42	2935	0.04							
	43	2940	0.02							
	44	2945	TR							
	45	2950	0.02	0.10	TR	0.002	0.85			
	46	2955	0.02							
	47	2960	0.03							
	48	2965	0.03							
	49	2970	0.02							
	50	2975	0.03	0.15	0.005	TR	0.70			
	51	2980	0.02							
	52	2985	TR							
	53	2990	TR							
	54	2995	0.02							
	55	3000	0.02	0.05	TR	TR	2.00			
	56	3005	TR							
	57	3010	0.03							
	58	3015	0.02							
	59	3020	0.02							
	60	3025	0.03	0.05	TR	TR	0.75			
	61	3030	0.02							
	62	3035	TR							
	63	3040	TR							
	64	3045	0.02							
	65	3050	0.02	0.10	0.005	TR	0.55			
	66	3055	TR							
	67	3060	TR							
	68	3065	0.02							
	69	3070	0.03							
	70	3075	0.02	0.05	0.005	TR	1.60			
	71	3080	TR							
	72	3085	TR							
	73	3090	TR							
	74	3095	0.02							
	75	3100	0.02	0.05	TR	TR	0.85			
	76	3105	0.03	0.05						
	77	3110	TR							
	78	3115	TR							
	79	3120	TR							
	80	3125	0.02	0.10	0.005	TR	0.30			
	81	3130	0.03							
	82	3135	0.10							
	83	3140	0.03							
	84	3145	0.02							
	85	3150	0.02	0.05	TR	0.002	0.15			
	86	3155	0.11							
	87	3160	0.03							

SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	S SLUDGE SAMPLES ~~DEPTH~~	% TOT. CU.	AG.	AU.
A-037	88	3165	0.02							
	89	3170	TR							
	90	3175	TR	0.10	0.005	TR	1.25			
	91	3180	TR							
	92	3185	TR							
	93	3190	0.02							
	94	3195	0.02							
	95	3200	0.03	0.05	TR	TR	1.00			
	96	3205	TR			TR				
	97	3210	0.02			0.002				
	98	3215	0.02			0.002				
	99	3220	TR			TR				
A-038	00	3225	TR	0.10	TR	0.002	1.15			
-039	51	3230	0.03			0.002				
	52	3235	0.02			TR				
	53	3240	0.02			TR				
	54	3245	0.03			TR				
	55	3250	TR	0.05	TR	TR	0.50			
	56	3255	TR							
	57	3260	TR							
	58	3265	TR							
	59	3270	0.02							
	60	3275	0.03	0.10	0.005	0.002	0.85			
	61	3280	0.02							
	62	3285	TR							
	63	3290	0.03							
	64	3295	0.02							
	65	3300	0.04	0.10	TR	0.002	0.40			
	66	3305	0.02							
	67	3310	0.03							
	68	3315	0.03							
	69	3320	0.02							
	70	3325	TR	0.05	TR	TR	0.45			
	71	3330	TR							
	72	3335	0.03							
	73	3340	0.02							
	74	3345	TR							
	75	3350	0.02	0.05	TR	TR	0.40			
	76	3355	TR							
	77	3360	0.04							
	78	3365	0.02							
	79	3370	0.03							
A-039	80	3375	0.02							
	81	3380	TR							
	82	3385	TR							
	83	3390	TR							
	84	3395	0.02	0.05	TR	TR	3.95			
	85	3400	TR							
	86	3405	0.02							
	87	3410	0.02							
	88	3415	TR							
	89	3420	0.03							
	90	3425	TR	0.05	TR	TR	1.45			
	91	3430	TR			TR				
	92	3435	TR			0.002				
	93	3440	0.04							
	94	3445	0.03							
	95	3450	0.04	0.10	0.005	0.002	1.20			
	96	3455	0.04							
	97	3460	0.02							
	98	3465	0.03							
	99	3470	0.05							
A-040	00	3475	0.03	0.10	0.005	0.002	0.80			

SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	S SLUDGE SAMPLES DEPTH	% TOT. CU.	AG.	AU.
A-041	01	3480	0.02							
	02	3485	TR							
	03	3490	0.04							
	04	3495	0.04							
	05	3500	0.02	0.05	TR	TR	0.85			
	06	3506	0.02							
				BOTTOM OF HOLE						

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SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	SLUDGE SAMPLES DEPTH	% TOT. CU.	AG.	AU.
786	01	5	0.03							
		10								
		15								
		20								
		25								
786	02	30	0.02							
		35								
		40								
		45								
		50								
786	03	55	0.02							
		60								
		65								
		70								
		75								
786	04	80	TR							
		85								
		90								
		95								
		100								
786	05	105	TR							
		110								
		115								
		120								
		125								
786	06	130	0.02							
		135								
		140								
		145								
		150								
786	07	155	0.02							
		160								
		165								
		170								
		175								
786	08	180								
		185								
		190								
		195								
		200								
786	09	205								
		210								
		215								
		220								
		225								
786	10	230								
		235								
		240								
		245								
		250								
786	11	255								
		260								
		265								
786	12	270								
		275								
786	13	280								
		285								
		290								
		295								
		300								
786	14	305								
		310								
		315								
		320								

SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	SLUDGE SAMPLES DEPTH	% TOT. CU.	AG.	AU.
		325								
		330								
		335								
		340								
		345								
		350								
786	15	355	.03							
		360								
		365								
		370								
		375								
		380								
		385								
		390								
		395								
		400								
786	16	405	.03	0.10	TR					
		410								
		415								
		420								
		425								
		430								
		435								
		440								
		445								
		450								
786	17	455	.02							
		460								
		465								
		470								
		475								
		480								
		485								
		490								
		495								
		500								
786	18	505	.02	0.15	TR					
		510								
		515								
		520								
		525								
		530								
		535								
		540								
		545								
		550								
786	19	555	.03							
		560								
		565								
		570								
		575								
		580								
		585								
		590								
		595								
		600								
786	20	605	.03	0.10	TR					
		610								
		615								
		620								
		625								
		630								
		635								
		640								

SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	SLUDGE SAMPLES DEPTH	% TOT. CU.	AG.	AU.
		645								
		650								
786	21	655	0.02							
		660								
		665								
		670								
		675								
		680								
		685								
		690								
		695								
		700								
786	22	705	0.02	0.05	TR					
		710								
		715								
		720								
		725								
		730								
		735								
		740								
		745								
		750								
786	23	755	0.03							
		760								
		765								
		770								
		775								
		780								
		785								
		790								
		795								
		800								
786	24	805	0.02	0.10	0.05					
		810								
		815								
		820								
786	25	825	0.15	0.15	TR					
		830								
		835								
		840								
		845								
		850								
		855								
786	26	860	0.31	0.15	0.005					
		865								
		870								
		875								
		880								
		885								
		890								
		895								
		900								
786	27	905	0.04							
		910								
		915								
		920								
		925								
		930								
		935								
		940								
		945								
		950								
786	28	955	0.02	0.05	TR					
		960								

SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	SLUDGE SAMPLES DEPTH	% TOT. CU.	AG.	AU.
		965								
		970								
		975								
		980								
		985								
		990								
		995								
		1000								
786	29	1005	0.02							
		1010								
		1015								
		1020								
		1025								
		1030								
		1035								
		1040								
		1045								
		1050								
786	30	1055	0.03	0.10	TR					
		1060								
		1065								
		1070								
		1075								
		1080								
		1085								
		1090								
		1095								
		1100								
786	31	1105	0.02							
		1110								
		1115								
		1120								
		1125								
		1130								
		1135								
		1140								
		1145								
		1150								
786	32	1155	0.04	0.10	0.005					
		1160								
		1165								
		1170								
		1175								
		1180								
		1185								
		1190								
		1195								
		1200								
786	33	1205	0.02							
		1210								
		1215								
		1220								
		1225								
		1230								
		1235								
		1240								
		1245								
		1250								
786	34	1255	TR	TR	TR					
		1260								
		1265								
		1270								
		1275								
		1280								

SAMPLE NO.		CORE SAMPLES					SLUDGE SAMPLES			
		DEPTH	% TOT. CU.	AG.	AU.	MO.	DEPTH	% TOT. CU.	AG.	AU.
		1285								
		1290								
		1295								
		1300								
786	35	1305	TR							
		1310								
		1315								
		1320								
		1325								
		1330								
		1335								
786	36	1340	0.13	TR	TR					
		1345								
		1350								
786	37	1355	TR	TR	TR					
		1360								
		1365								
		1370								
		1375								
		1380								
		1385								
		1390								
		1395								
		1400								
786	38	1405	Nil							
		1410								
		1415								
		1420								
		1425								
		1430								
		1435								
		1440								
		1445								
		1450								
786	39	1455	Nil	0.08	TR					
		1460								
		1465								
		1470								
		1475								
		1480								
		1485								
		1490								
		1495								
		1500								
786	40	1505	Nil							
		1510								
		1515								
		1520								
		1525								
		1530								
		1535								
		1540								
		1545								
		1550								
786	41	1555	Nil	TR	TR					
		1560								
		1565								
		1570								
		1575								
		1580								
		1585								
		1590								
		1595								
		1600								

SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	SLUDGE SAMPLES DEPTH	% TOT. CU.	AG.	AU.
786	42	1605	TR.							
		1610								
		1615								
		1620								
		1625								
		1630								
		1635								
		1640								
		1645								
		1650								
786	43	1655	NIL							
		1660								
		1665								
		1670								
		1675								
		1680								
		1685								
		1690								
		1695								
		1700								
786	44	1705	NIL							
		1710								
		1715								
		1720								
		1725								
		1730								
		1735								
		1740								
		1745								
		1750								
786	45	1755	TR.							
		1760								
		1765								
		1770								
		1775								
		1780								
		1785								
		1790								
		1795								
		1800								
786	46	1805	NIL							
		1810								
		1815								
		1820								
		1825								
		1830								
		1835								
		1840								
		1845								
		1850								
786	47	1855	NIL							
		1860								
		1865								
		1870								
		1875								
		1880								
		1885								
		1890								
		1895								
		1900								
786	48	1905	TR.							
		1910								
		1915								
		1920								

A.W.I P.L

BEN-HUR – (A.W.) -1

SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	SLUDGE SAMPLES DEPTH	% TOT. CU.	AG.	AU.
		1925								
		1930								
		1935								
		1940								
		1945								
		1950								
786	49	1955	TR.							
		1960								
		1965								
		1970								
		1975								
		1980								
		1985								
		1990								
		1995								
		2000								
786	50	2005	0.09							
		2010								
		2015								
		2020								
		2025								
		2030								
		2035								
		2040								
		2045								
		2050								
786	51	2055	TR	TR	TR					
		2060								
		2065								
		2070								
		2075								
		2080								
		2085								
		2090								
		2095								
786	52	2100	TR	TR	TR					
786	53	2105	TR							
		2110								
		2115								
		2120								
786	54	2125	TR	TR	TR					
		2130								
		2135								
		2140								
		2145								
		2150								
786	55	2155	TR	0.04	TR					
		2160								
		2165								
		2170								
		2175								
		2180								
		2185								
		2190								
		2195								
		2200								
786	56	2205	TR							
		2210								
		2215								
		2220								
		2225								
		2230								
		2235								
		2240								

BEN HUR – (A.W.)–1

SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	SLUDGE SAMPLES DEPTH	% TOT. CU.	AG.	AU.
		2245								
		2250								
786	57	2255	TR							
		2260								
		2265								
		2270								
		2275								
		2280								
		2285								
		2290								
		2295								
		2300								
786	58	2305	TR							
		2310								
		2315								
		2320								
		2325								
		2330								
		2335								
		2340								
		2345								
		2350								
786	59	2355	.02							
		2360								
786	60	2365	.04							
		2370								
		2375								
		2380								
		2385								
		2390								
		2395								
		2400								
786	61	2405	TR							
		2410								
		2415								
		2420								
		2425								
		2430								
		2435								
		2440								
		2445								
		2450								
786	62	2455	0.07							
		2460								
		2465								
		2470								
		2475								
		2480								
		2485								
		2490								
		2495								
		2500								
786	63	2505	.03	0.06	TR					
		2510								
		2515								
		2520								
		2525								
		2530								
		2535								
		2540								
		2545								
		2550								
786	64	2555	Nil							

SAMPLE NO.		CORE SAMPLES					SLUDGE SAMPLES			
		DEPTH	% TOT. CU.	AG.	AU.	MO.	DEPTH	% TOT. CU.	AG.	AU.
		2560								
		2565								
		2570								
		2575								
		2580								
		2585								
		2590								
		2595								
		2600								
786	65	2605	Nil							
		2610								
		2615								
		2620								
		2625								
		2630								
		2635								
		2640								
		2645								
		2650								
786	66	2655	TR							
		2660								
		2665								
		2670								
		2675								
		2680								
		2685								
		2690								
		2695								
		2700								
786	67	2705	TR							
		2710								
786	68	2715	Nil							
	69	2720	Nil							
	70	2725	Nil							
	71	2730	TR							
	72	2735	Nil							
	73	2740	Nil							
	74	2745	Nil							
	75	2750	Nil							
	76	2755	Nil							
	77	2760	Nil							
	78	2765	Nil							
	79	2770	Nil							
	80	2775	Nil							
	81	2780	Nil							
	82	2785	Nil							
	83	2790	Nil							
	84	2795	Nil							
	85	2800	TR							
	86	2805	Nil							
	87	2810	Nil							
	88	2815	Nil							
	89	2820	Nil							
	90	2825	Nil							
	91	2830	Nil							
	92	2835	Nil							
	93	2840	Nil							
	94	2845	Nil							
	95	2850	Nil							
	96	2855	Nil							
	97	2860	Nil							
	98	2865	Nil							
	99	2870	Nil							

		CORE SAMPLES					SLUDGE SAMPLES			
SAMPLE NO.		DEPTH	% TOT. CU.	AG.	AU.	MO.	DEPTH	% TOT. CU.	AG.	AU.
787	00	2875	Nil							
731	15	2890	0.02							
	16	2895	TR							
	17	2900	Nil							
	18	2905	Nil							
	19	2910	Nil							
	20	2905	Nil							
	21	2910	Nil							
	22	2915	Nil							
	23	2920	Nil							
	24	2925	Nil							
	25	2930	Nil							
	26	2935	Nil							
	27	2940	Nil							
	28	2945	Nil							
	29	2950	Nil							
	30	2955	TR							
	31	2960	TR							
	32	2965	TR							
	33	2970	Nil							
	34	2975	0.02							
	35	2980	TR							
	36	2985	TR							
	37	2990	Nil							
	38	2995	Nil							
	39	3000	Nil							
731	40	3005	Nil							
	41	3010	Nil							
	42	3015	Nil							
	43	3020	Nil							
	44	3025	Nil							
	45	3030	Nil							
	46	3035	Nil							
	47	3040	Nil							
	48	3045	Nil							
	49	3050	Nil							
	50	3055	Nil							
	51	3060	Nil							
	52	3065	Nil							
	53	3070	Nil							
	54	3075	Nil							
	55	3080	Nil							
	56	3085	Nil							
	57	3090	Nil							
	58	3095	Nil							
	59	3100	Nil							
	60	3105	Nil							
	61	3110	Nil							
	62	3115	Nil							
	63	3120	Nil							
	64	3125	Nil							
	65	3130	Nil							
	66	3135	0.02							
	67	3140	TR							
	68	3145	TR							
	69	3150	Nil							
	70	3155	Nil							
	71	3160	Nil							
	72	3165	Nil							
	73	3170	0.02							
	74	3175	Nil							
	75	3180	Nil							
	76	3185	0.02							

JACOBS "H & H

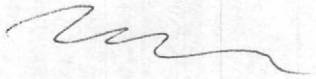
SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	SLUDGE SAMPLES DEPTH	% TOT. CU.	AG.	AU.
731	77	3190	TR							
	78	3195	TR							
	79	3200	TR							
	80	3205	Nil							
	81	3210	0.02							
	82	3215	TR							
	83	3220	TR							
	84	3225	0.02							
	85	3230	0.02							
	86	3235	0.02							
	87	3240	TR							
	88	3245	TR							
	89	3250	TR							
	90	3255	0.09	0.03						
	91	3260	0.04	0.02						
	92	3265	Nil	0.03						
	93	3270	Nil	0.02						
	94	3275	Nil	0.01						
	95	3280	Nil	0.02						
	96	3285	Nil							
	97	3290	Nil							
	98	3295	0.02							
	99	3300	0.06							
732	00	3305	0.02							
762	01	3310	0.02							
	02	3315	TR							
	03	3320	TR							
	04	3325	TR							
	05	3330	0.03							
	06	3335	0.02							
	07	3340	0.02							
	08	3345	0.17							
	09	3350	0.02							
	10	3355	TR							
	11	3360	Nil							
	12	3365	Nil							
	13	3370	Nil							
	14	3375	TR							
	15	3380	TR							
	16	3385	TR							
	17	3390	TR							
	18	3395	0.02							
	19	3400	0.12							
	20	3405	0.44							
	21	3410	0.03							
	22	3415	TR							
	23	3420	0.06							
	24	3425	0.06							
	25	3430	0.03							
	26	3435	0.03							
	27	3440	0.04							
	28	3445	0.03							
	29	3450	0.02							
	30	3455	0.03							
	31	3460	0.03							
	32	3465	0.03							
	33	3470	0.02							
	34	3475	0.03							
	35	3480	0.03							
	36	3485	0.03							
	37	3490	0.03							
	38	3495	0.03							
	39	3500	0.03							

SAMPLE NO.		CORE SAMPLES DEPTH	% TOT. CU.	AG.	AU.	MO.	SLUDGE SAMPLES DEPTH	% TOT. CU.	AG.	AU.
162	10	3505	0.03							
	41	3511	0.03							
				BOTTOM OF HOLE						

Ben Hur

Walnuts 1/5 else

190 claims



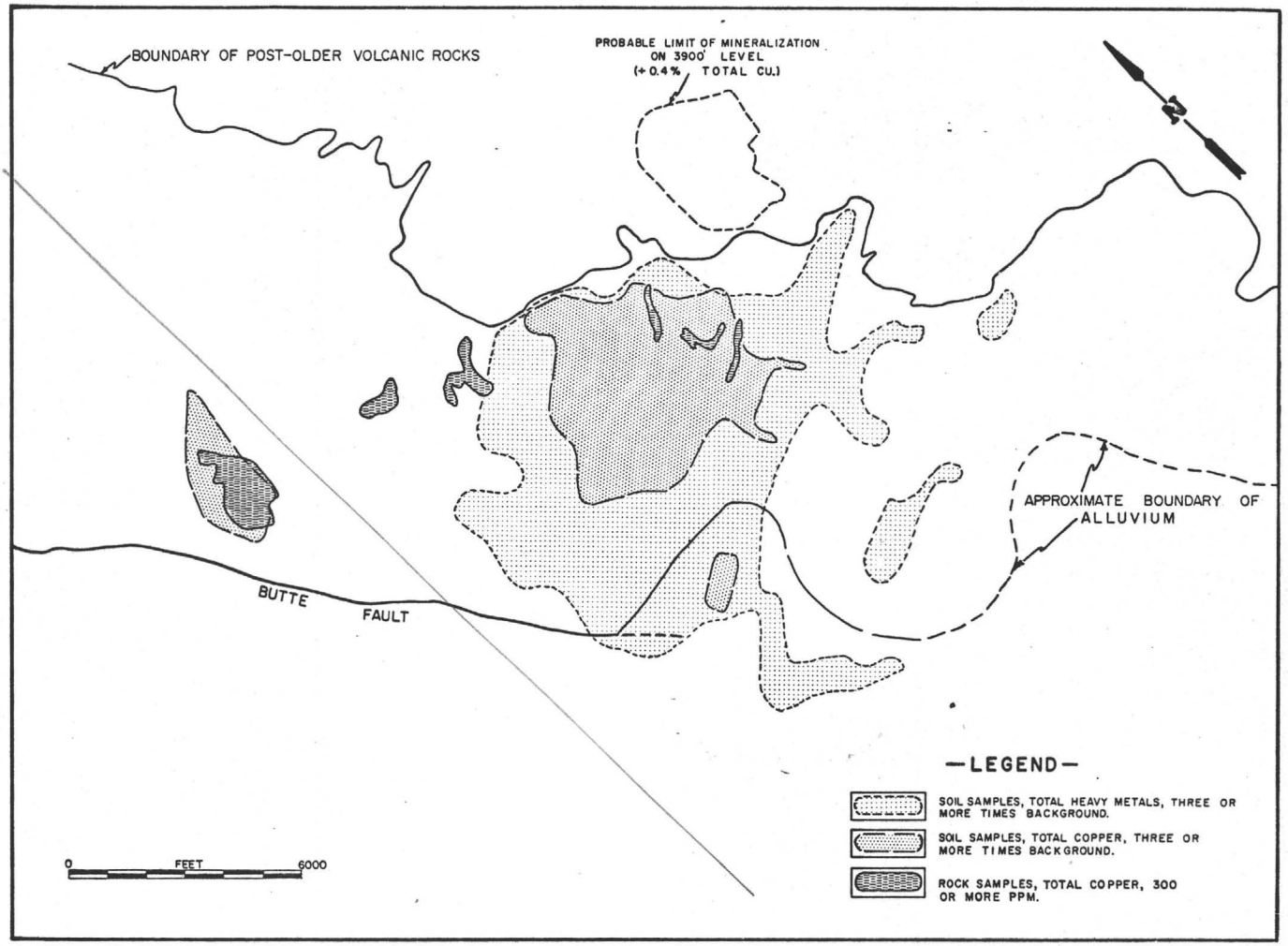


FIGURE 12.—Map showing geochemical anomalies.

San Juan mine a zone of biotitized porphyritic andesite 2,000 feet wide also surrounds the intrusive stock.

CHLORITE ZONE. Chlorite is the most widely distributed alteration mineral and occurs in all stages of alteration. However, as shown on the map, a predominantly chloritic zone 1,000 to 2,000 feet wide surrounds and overlaps the biotitized and sericitized zones on the southwest of the ore body. A similar zone occurs around the biotitized zone on the San Juan. The boundaries of the chloritic zone are arbitrarily drawn when mafics are more predominantly replaced by chlorite than by secondary biotite.

PROPYLITIC ZONE. This is the most widespread zone and represents the area of lowest alteration intensity. Epidote and to a lesser extent chlorite are the common secondary minerals. The relation of this zone to mineralization and other alteration processes is not clear, but it appears to have been very early and possibly deuteric in origin.

Chemical aspects. It is apparent that the rocks underwent considerable chemical changes during hydrothermal alteration and mineralization. Almost all the sulfur present was introduced at this time. Chemical analyses of fresh and altered porphyritic andesite and dike rocks show that the potash content was almost doubled, and small quantities of silica were added. Losses include calcium, small amounts of sodium, magnesium, and aluminum. Although there appears to have been a small loss of iron, a gain in ferrous iron almost balances a loss in ferric iron. Similar changes are described by Creasey in a paper in which nine porphyries are discussed (5).

Supergene Alteration. As already mentioned, alteration of the outcrop and sub-Tertiary volcanic outcrop has produced a typically conspicuous colored cap rock over the ore body and over the mineralized veins and shear zones. The color of the rock is related in intensity directly to the amount of former sulfide content and to the degree of oxidation and weathering to which it has been subjected.

The dikes and plugs that have undergone sericitic hydrothermal alteration are inherently bleached. Weathering of the sulfides has also produced oxidized compounds, which have stained these light-colored rocks various hues of yellow, brown, red, maroon, and black. The biotitized and chloritized porphyritic andesites tend to be relatively darker in color, although oxidation of the iron compounds together with leach-

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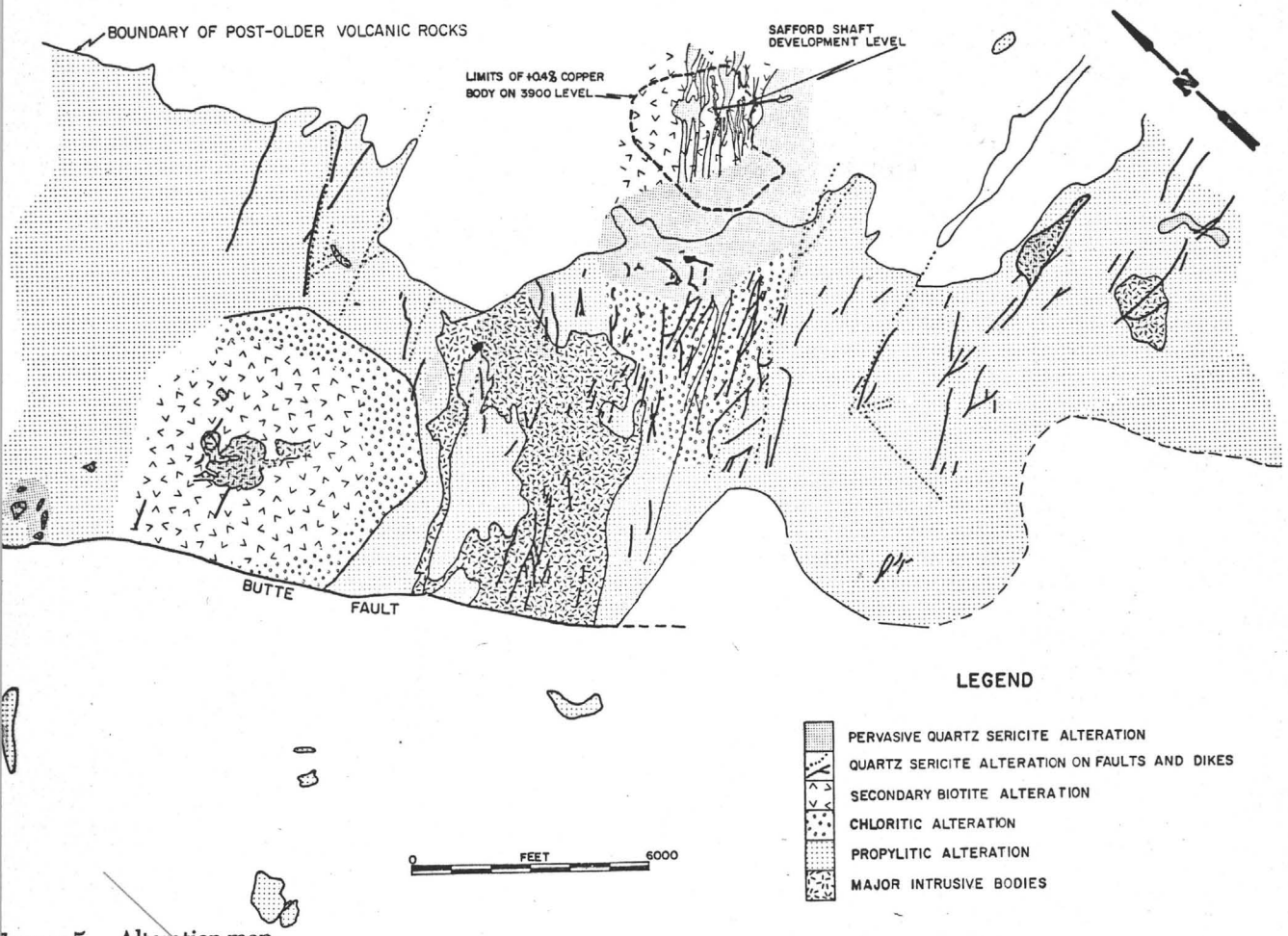

FIGURE 5.—Alteration map.

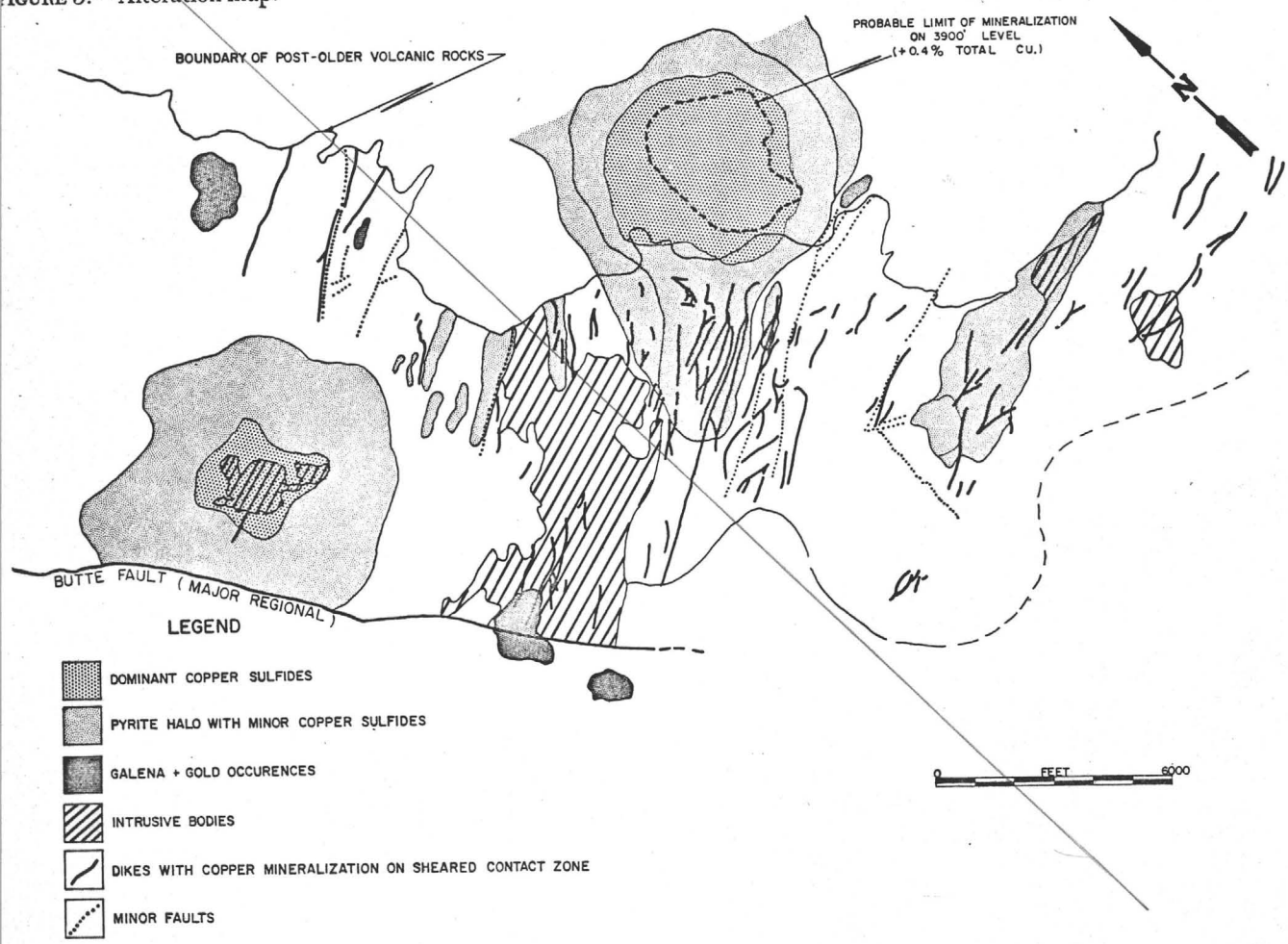

FIGURE 6.—Map of mineralization distribution.