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TOMBSTONE MINING DISTRICT

Cochise County, Arizona

Block 5

Misc.
Geophysics & Geochem
Drilling & Trenching

I.R. SURVEY

67

REPORT ON THE
INDUCED POLARIZATION SURVEY
ON THE
CAB CLAIM GROUP, TOMBSTONE AREA
COCHISE COUNTY, ARIZONA

REPORT ON THE INDUCED POLARIZATION SURVEY ON THE CAB CLAIM GROUP, TOMBSTONE AREA COCHISE COUNTY, ARIZONA

I
INTRODUCTION

At he request of Mr. C. T. Henderson, the reconnaissance induced polarization survey initiated in October 1967, on the CAB Claim Group near Tombstone, Arizona, was continued during October 1968. The property is situated several miles southwest of Tombstone.

The ore potential of this area is expected to be from moderate to considerable depth. The induced polarization and resistivity survey was attempted to assist in locating any zones of mineralization that might be present at depth.

II
PRESENTATION OF RESULTS

The induced polarization and resistivity result is shown on the data plot enclosed with this report.

Three lines were surveyed for the reconnaissance induced polarization survey during the October 1967 effort, however, only LINE NO. 1 and LINE NO. 3 were geophysically surveyed at that time. The present effort includes LINE NO. 2.

LINE NO. 2 500' electrode spacing

Enclosed with this report is a plan map of the CAB Claim Group at a scale of 1:24000. The definite and probable induced polarization anomalies are indicated by solid and broken bars respectively on this plan map. These bars represent the surface projection of the anomalous zones as interpretated from the location of the transmitter and receiver electrodes when the anomalous values were measured.

Since the induced polarization measurement is essentially an averaging process, as are all potential methods, it is frequently difficult to exactly pinpoint the source of an anomaly. Certainly, no anomaly can be located with more accuracy than the spread length; i. e. when using 500' spreads the position of a narrow sulfide body

can only be determined to lie between two stations 500' apart. In order to locate sources at greater depth, larger spreads must be used, with a corresponding increase in the uncertainties of location. Therefore, while the center of the indicated anomaly probably corresponds fairly well with the source, the length of the indicated anomaly along the line should not be taken to represent the exact edges of the anomalous material.

III
DISCUSSION OF RESULTS

The apparent resistivities measured during the reconnaissance survey indicate that the area is structurally quite complex.

Interpretation of the data indicate two definite anomalies, one from 10 N to 5 S, and the other from 32 S to 43 S; also four probable anomalies, one from 54 N to 42 N, another from 20 S to 32 S, and another from 43 S to 49 S, and another from 55 S to 60 S.

LINE NO. 2, correlates fairly well with LINES NOS. 1 and 3, and indicates that the mineraized zones have good lineal continuity.

It should be mentioned that the induced polarization survey lines were run north-south, whereas the suspected trend of possible mineralization was considered to bear northeast to southwest. The north-south bearing was used to assist in defining narrow mineralized zones, if present, as they would be oriented within the geometry of the electrode spread for most effective detection.

IV
CONCLUSIONS AND RECOMMENDATIONS

The reconnaissance induced polarization survey of this area indicated definite and probable anomalies and certainly warrants further investigation.

LINE NO. 2, which was surveyed, correlates fairly well with LINES NOS. 1 and 3, and indicates that the mineralized zones have good lineal continuity.

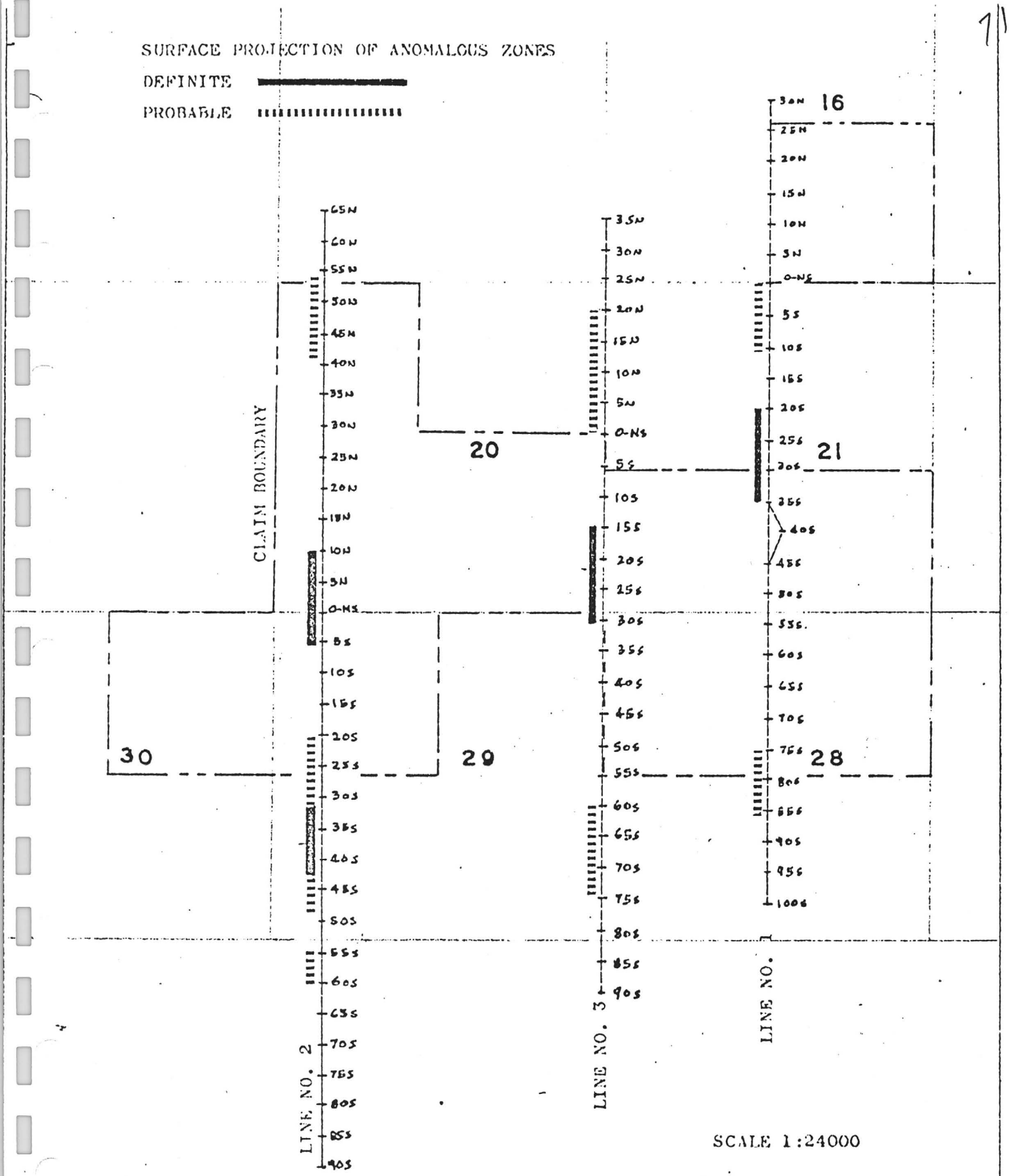
It is strongly recommended that at least one line be surveyed across LINES NOS. 1, 2 and 3, to substantiate the anomalous zones. This should be conducted using 500' dipole lengths.

The definite and probable IP anomalous areas could also be surveyed using 1000' dipole lengths to assist in verifying the data developed by the n-5 and n-6 dipole-dipole separations.

Respectfully submitted,

Nicholas H Carouso

Nicholas H. Carouso 11/4/68



INDUCED POLARIZATION AND RESISTIVITY SURVEY
CAB CLAIM GROUP, TOMBSTONE AREA, COCHISE CTY.-ARIZ.

OCT. 1967, REVISED OCT. 1968

THE INDUCED POLARIZATION METHOD

Induced Polarization as a geophysical measurement refers to the blocking action or polarization of metallic or electronic conductors in a medium of ionic solution conductors.

This electro-chemical phenomenon occurs wherever electrical current is passed through an area which contains electronic conductors such as base metal sulfides. Normally, when current is passed through the ground, as in resistivity measurements, all of the conduction takes place through ions present in the water content of the rock or soil; i. e. by ionic conduction. This is because almost all minerals have a much higher specific resistivity than ground water. The minerals commonly described as "metallic", however, have specific resistivities much lower than ground waters. The induced polarization effect takes place at those interfaces where the mode of conduction changes from ionic in the solutions filling the interstices of the rock to electronic in the metallic minerals present in the rock.

The blocking action or induced polarization described above, which depends upon the chemical energies necessary to allow the ions to give up or receive electrons from the metallic surface, increases with the time that a D. C. current is allowed to flow through the rock; i. e. as ions pile up against the metallic interface the resistance to current flow increases. Eventually, there is enough polarization in the form of excess ions at the interfaces to effectively stop all current flow through the metallic particle. This polarization takes place at each of the infinite number of solution-metal interfaces in a mineralized rock.

When the D. C. voltage used to create this D. C. current flow is cut off, the Coulomb forces between the charged ions forming the polarization cause them to return to their steady state. This movement of charge creates a small current flow which can be measured on the surface of the ground as a decaying potential difference.

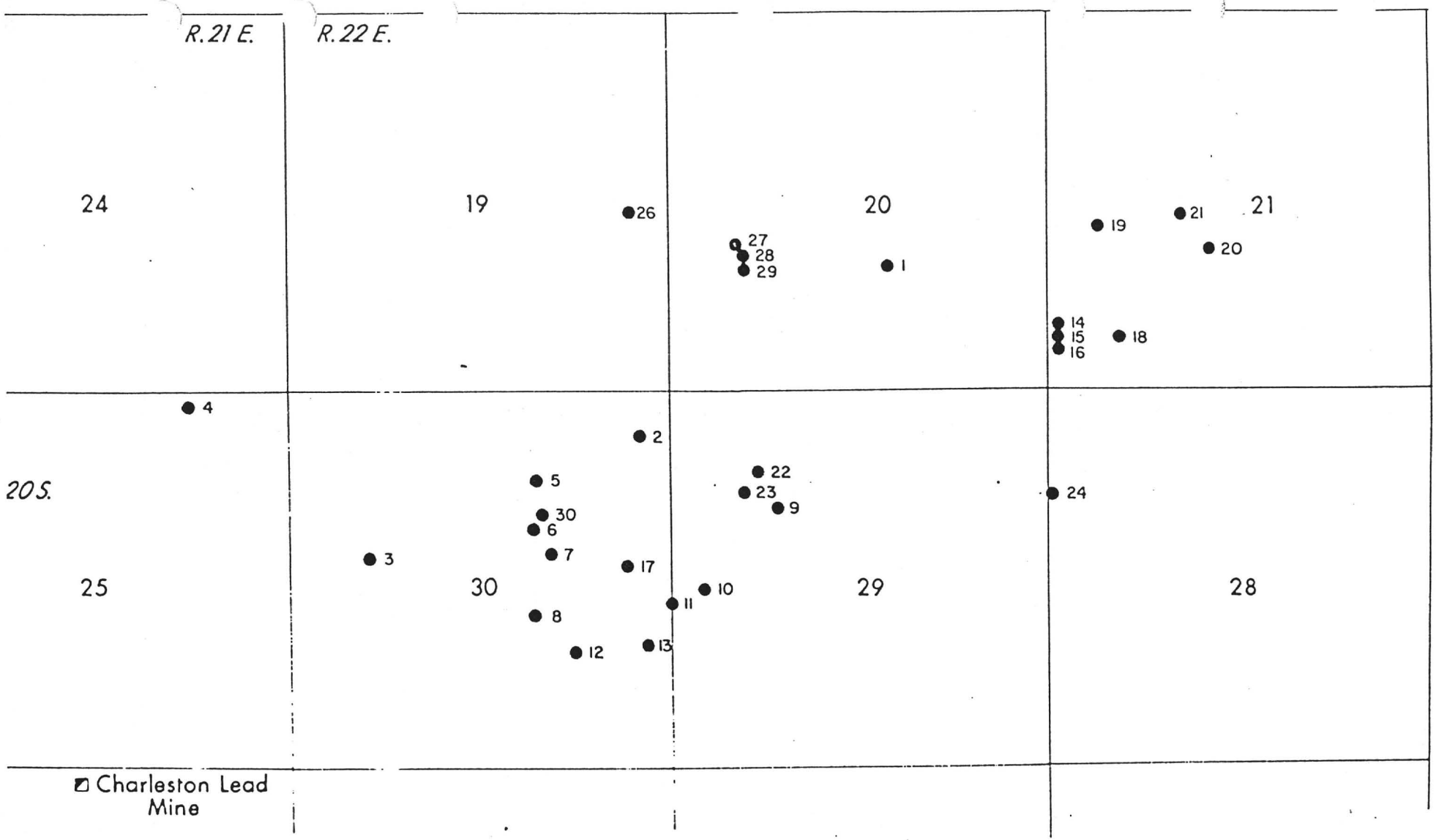
Now if the direction of the current through the system is reversed repeatedly before the polarization occurs, the effective resistivity of the system as a whole will change as the frequency of the switching is changed.

In this induced polarization reconnaissance survey, five equally spaced co-linear current electrodes were placed in the ground by

burying aluminum foil in pits wetted with brine. Observations were made in accordance with a symmetrical dipole-dipole configuration where the distance between the receiver or potential electrodes was kept equal to the distance between adjacent electrode pairs. Generally the receiving dipole is separated by one to six dipole units ("n" separation) from the sending dipole. A precisely controlled square wave current was sent through a sending dipole at 0.05 and 3.0 cycles per second from which, at the receiving dipole, a D. C. and an A. C. voltage was measured, respectively. By knowing the geometry involved (the dipole length or spacing and the separation distance between the two receiving-sending dipole pairs), along with the two voltages, an apparent D. C. and an A. C. resistivity was calculated. From these apparent resistivities, their percentage difference was determined, thus giving the Percent Frequency Effect (PFE). A third quantity proportional to PFE and inversely proportional to D. C. resistivity, called Metallic Conduction Factor (MCF) was computed in order to somewhat normalize PFE for variations in ground conductivity purely as a technical interpretational aid.

The IP technique was developed primarily for porphyry type deposits and is perhaps the only reliable means of detecting hidden disseminated sulfides. However, the IP method works just as well or perhaps better on semi-massive to massive sulfides, contrary to some of the earlier thinking, for it gives increased response with increased volume percentage of sulfides.

GEO CHEM ASARCO



SAMPLE SITES

GEOCHEMICAL OVERLAY
CHARLESTON MINING DISTRICT
COCHISE CO., ARIZONA

scale 1:24,000 SEPT, 1973

mn2650a

3220 East 46th Street

Phone ~~621-0049~~ 889-5789

AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS · CHEMISTS · METALLURGISTS

TUCSON, ARIZONA 85

JUL 2 1973

SAMPLE SUBMITTED BY American Smelting & Refining Co. DATE June 30, 1973

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PPM COPPER	PPM LEAD	PPM ZINC	PPM MOLYBDENUM	PERCENT IRON
TB - 1			20	131	22	25	
TB - 2			48	81	24	25	
TB - 3			161	2000+	71	33	
TB - 4			14	183	8	40	
TB - 5			68	724	666	53	
TB - 6			23	96	17	20	
TB - 7			46	44	34	17	
TB - 8			41	40	18	16	
TB - 9			14	66	8	32	
TB -10			92	44	11	20	
TB -11			35	33	79	17	
TB -12			26	39	9	13	
TB -13			19	65	61	17	
TB -14			11	21	59	22	
TB -15			21	22	57	25	
TB -16			36	18	91	20	

REGISTERED ASSAYER CERTIFICATE NO. 6352 PETE G. FLORES Date Signed 6/30/73

Invoice # 9411

3226 East 46th Street

Phone 624-0049

AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS · CHEMISTS · METALLURGISTS

TUCSON, ARIZONA 857

SAMPLE SUBMITTED BY American Smelting & Refining Company

DATE August 29, 1973

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PPM COPPER	PPM LEAD	PPM ZINC	PPM MOLYBDENUM	PERCENT IRON	
TB - 17			39	200	24	19		
TB - 18			108	107	49	14		
TB - 19			26	42	25	13		
TB - 20			40	90	30	14		
TB - 21			25	49	57	10		
TB - 22			23	189	21	11		
TB - 23			25	105	17	19		
TB - 24			33	133	50	23		
TB - 25			54	879	29	12		
TB - 26			30	31	63	13		
TB - 27			37	129	61	12		
TB - 28			26	36	69	11		
TB - 29			68	38	107	12		
TB - 30			28	40	80	16		
[redacted]			[redacted]	[redacted]	[redacted]	[redacted]		

8/29/73

Invoice # 9716

Henry Soil/Gas Survey

MEMO

TO: James A. Briscoe
FROM: Thomas E. Waldrip, Jr.
DATE: June 13, 1986

RE: Analysis of mercury soil gas samples collected April - May (?), 1982, Tombstone Project. Charleston Area, Tombstone Mining District, Cochise County, Arizona for Tombstone Development Company

Jim,

Please find following a brief synopsis of results obtained on mercury and soil gas analysis performed between the dates of June 6 and June 9, 1986, by myself, on the soil samples that you, Austin & Mardee collected during the spring of 1982. Subsequently (unknown date) Cynthia analyzed these samples. Results were negative - too low. The detector may have been malfunctioning at the time. All samples were rescreened and reanalyzed on a reconditioned machine, with a new gold film.

The results were as follows:

1. 98 total soil samples were analyzed on a Model 301 Gold Film Mercury Detector, produced by Jerome Instrument Company.

2. The range of values were from a low of 7 parts per billion (PPB) to a high of 63 PPB.

3. Sample results appear to fall into two loosely defined categories when graphed. Samples 1-49 appear to fit a much more subdued spread relationship between maximum and minimum readings (±20 PPB generalizing). On the other hand, samples 50-98 tend to have a much greater spread, with an estimated range of 20 to 50 PPB. The subdued area represents readings, in general, collected over outer sedimentary (alluvial cover) areas outwards from the proposed porphyry copper center. The surface expressed porphyry zone is more closely defined by the otherwise more coarse spread reading. The exact mechanism for this observed relationship in the porphyry area is unclear, but may represent surface-ward expressed precious metal zones vs. non-altered admixed country rock.

4. Standard soil samples ranged from extremes of a low of 1.8 PPB to a high of 8.0 PPB. Normally, a reading in the range of 3 to 5 PPB was obtained.

5. Data to date has not been verified against sample collection map, and therefore, no generalizations have been forwarded in regard to the geology of the area.

6. Some drift in values was noted from the morning to the evening. Therefore, values may represent ± 25% above or below reality, depending on what time of day the samples were run. Generally, however, within my established guidelines, sample values were remarkably close in all cases when subsequent checks were performed. Samples checked within the background - above background categories - were within 0% to ± 200% of each other for very low readings, normally ± 50% or less, in high values. Check samples in the remaining 5 defined categories (weakly anomalous to extremely anomalous) could be repeated exactly to ± 25% (generally).

Individual sample results are following on attachments.

Thomas E. Waldrip, Jr.

TEW/ms

Attachments

Hg GEOCHEM ANALYSIS SHEET

SHEET 1 OF 5

LOCATION: MINE Charleston MINING DISTRICT Tombstone COUNTY Cochise STATE ARIZONA COUNTRY U.S.A.

PROJECT # 100-01 CLIENT Tombstone Development Co DATE COLLECTED 4-82? DATE ANALYZED 6-6-86

Collected By: JAB & JR MAS

Analyzed By: TEW

LAB #	SAMPLE #	NOTES	SAMPLE WEIGHT	COUNTS PER MINUTE	CORRECTION FACTOR (CF)	CF X COUNTS PER MINUTE / SAMPLE WEIGHT = ppb Hg	T (°C)	CONCENTRATION Hg	CORRECTION FACTOR #1	#2	#3	#4	#5	AVERAGE (3 CONSECUTIVE WITHIN 5%)	CF = CONCENTRATION Hg / AVERAGE COUNTS
X	TSS # 1	STD 5-9 x .14 = 5.04 ppb 6↓	.10	23	.14	32.2 ppb									
X	TSS # 2	2-	.10	35	.14	49.0 ppb									
X	TSS # 3	3↓	.10	15	.14	21.0 ppb									
X	TSS # 4	3-	.10	15	.14	21.0 ppb									
X	TSS # 5	4↓	.10	15	.14	21.0 ppb									
X	TSS # 6	4↓	.10	23	.14	32.2 ppb									
X	TSS # 7	STD 3↓ 13 x .14 7.28 ppb 3-	.10	10	.14	14.0 ppb									
X	TSS # 8	3↓	.10	6	.14	8.4 ppb									
X	TSS # 9	3↓	.10	24	.14	33.6 ppb									
X	TSS # 10	2↓	.10	12	.14	16.8 ppb									
X	TSS # 11	2↓	.10	25	.14	35.0 ppb									
DL	TSS # 12	← NO SAMPLE →	.10	—	.14	— ppb									
X	TSS # 13	2-	.10	14	.14	19.6 ppb									
X	TSS # 14	STD 3↓ 7 x .14 = 3.92 ppb 2-	.10	8	.14	11.2 ppb									
X	TSS # 15	3↓	.10	8	.14	11.2 ppb									
X	TSS # 16	3 3↓	.10	15	.14	21.0 ppb									
X	TSS # 17	3↓	.10	11	.14	15.4 ppb									
X	TSS # 18	9↓	.10	16	.14	22.4 ppb									
X	TSS # 19	4↓	.10	24	.14	33.6 ppb									
X	TSS # 20	4↓	.10	16	.14	22.4 ppb									
X	TSS # 21	STD 3↓ 7 x .14 = 3.92 ppb 4↓	.10	20	.14	28.0 ppb									
X	TSS # 22	9↓	.10	23	.14	32.2 ppb									
X	TSS # 20-A	4↓	.10	15	.14	21.0 ppb									

Hg GEOCHEM ANALYSIS SHEET

SHEET 2 OF 5

LOCATION: MINE Charleston MINING DISTRICT TOMBSTONE COUNTY Cochise STATE ARIZONA COUNTRY U.S.A

PROJECT # 100-01 CLIENT Tombstone Development Co. DATE COLLECTED 4-82? DATE ANALYZED 6-6-86

Collected By: JAB & JR MAS

Analyzed By: TEW

LAB #	SAMPLE #	NOTES	SAMPLE WEIGHT	COUNTS PER MINUTE	CORRECTION FACTOR (CF)	CF X COUNTS PER MINUTE / SAMPLE WEIGHT = ppb Hg	CORRECTION FACTOR T (°C)	CONCENTRATION Hg	#1	#2	#3	#4	#5	AVERAGE (3 CONSECUTIVE WITHIN 5%)	CF = CONCENTRATION Hg / AVERAGE COUNTS
x	TSS # 23	4↓	.10	15	.14	21.0 ppb									
x	TSS # 24	3-	.10	13	.14	18.2 ppb									
x	TSS # 25	3-	.10	14	.14	19.6 ppb									
x	TSS # 26	4↓	.10	12	.14	16.8 ppb									
x	TSS # 27	3↓	.10	18	.14	25.2 ppb									
x	TSS # 28	3-	.10	13	.14	18.2 ppb									
x	TSS # 29	3↓	.10	16	.14	22.4 ppb									
x	TSS # 30	STD. 3- 11x.14 = 6.16 3-	.10	12	.14	16.8 ppb	✓	6-9-86	18 counts	x .14		= 25.2 ppb			
x	TSS # 31	STARS 6-9-86 31↓	.10	24	.14	33.6 ppb									
x	TSS # 32	11↓	.10	19	.14	26.6 ppb									
x	TSS # 33	3↓	.10	17	.14	23.8 ppb									
x	TSS # 34	3↓	.10	10	.14	14.0 ppb									
x	TSS # 35	35↑	.10	23	.14	32.2 ppb									
x	TSS # 36	STD 2↓ 6x.14 = 3.36 ppb 3↓	.10	8	.14	11.2 ppb									
x	TSS # 37	11↓	.10	18	.14	25.2 ppb									
x	TSS # 38	4↓	.10	15	.14	21.0 ppb									
x	TSS # 39	92↑	.10	30	.14	42.0 ppb									
x	TSS # 40	4↓	.10	21	.14	29.4 ppb									
x	TSS # 41	19↑	.10	18	.14	25.2 ppb									
x	TSS # 42	4↓	.10	16	.14	22.4 ppb									
x	TSS # 43	STD 2↓ 9 x .14 = 5.04 ppb 4↓	.10	12	.14	16.8									
x	TSS # 44	13↓-	.10	17	.14	23.8									

Hg GEOCHEM ANALYSIS SHEET

SHEET 3 OF 5

LOCATION: MINE Charleston MINING DISTRICT TOMBSTONE COUNTY Cochise STATE ARIZONA COUNTRY U.S.A.

PROJECT # 100-01 CLIENT Tombstone Development Co DATE COLLECTED 4-82 DATE ANALYZED 6-9-86

Collected By: JAB & JR MAS

Analyzed By: TEW

LAB #	SAMPLE #	NOTES	SAMPLE WEIGHT	COUNTS PER MINUTE	CORRECTION FACTOR (CF)	CF x COUNTS PER MINUTE / SAMPLE WEIGHT = ppb Hg	CORRECTION FACTOR: T (°C)	CONCENTRATION Hg	#1	#2	#3	#4	#5	AVERAGE (3 CONSECUTIVE WITHIN 5%)	CF = CONCENTRATION Hg / AVERAGE COUNTS
x	TSS # 45	5↓	.10	19	.14	26.6 ppb									
x	TSS # 46	4↓	.10	12	.14	16.8 ppb									
x	TSS # 47	3-	.10	9	.14	12.6 ppb									
x	TSS # 48	3-	.10	6	.14	8.4 ppb									
x	TSS # 49	4↓	.10	16	.14	22.4 ppb									
x	TSS # 50	STD 3- 3 x .14 = 4.48 ppb 7↑	.10	45	.14	63.0 ppb	✓	AFTER	52	47↑ -	45 x .14 =	÷ .10 =		63.0	ppb
x	TSS # 51	3-	.10	6	.14	8.4 ppb									
x	TSS # 52	3-	.10	6	.14	8.4 ppb									
CAUSES FLOW?	TSS # 53	2-	.10	8	.14	11.2 ppb									
x	TSS # 54	3-	.10	15	.14	21.0 ppb									
x	TSS # 55	3-	.10	9	.14	12.6 ppb									
x	TSS # 56	22↑	.10	24	.14	33.6 ppb									
x	TSS # 57	STD 3↓ 6 x .14 = 3.36 ppb 3-	.10	10	.14	14.0 ppb									
x	TSS # 58	81↑	.10	29	.14	40.6 ppb									
x	TSS # 59	181↑	.10	37	.14	51.8 ppb									
x	TSS # 60	2-	.10	7	.14	9.8 ppb									
x	TSS # 61	4↓	.10	13	.14	18.2 ppb									
x	TSS # 62	125↑	.10	28	.14	39.2 ppb									
x	TSS # 63	3-	.10	6	.14	8.4 ppb									
x	TSS # 64	3-	.10	5	.14	7.0 ppb									
x	TSS # 65	STD 2- 6 x .14 = 3.36 ppb 2-	.10	6	.14	8.4 ppb	28°	25.2	175	180	178	178	.179	178	.14
x	TSS # 66	STD 2- 9 x .14 = 5.04 ppb 5↓	.10	15	.14	21.0 ppb									

Hg GEOCHEM ANALYSIS SHEET

SHEET 4 OF 5

LOCATION: MINE Charleston MINING DISTRICT TOMBSTONE COUNTY Cochise STATE ARIZONA COUNTRY U.S.A

PROJECT # 100-01 CLIENT TOMBSTONE DEVELOPMENT CO. DATE COLLECTED 4-82? DATE ANALYZED 6-9-86

Collected By: JAB & JR, MAS

Analyzed By: TEW

LAB #	SAMPLE #	NOTES	SAMPLE WEIGHT	COUNTS PER MINUTE	CORRECTION FACTOR (CF)	CF X COUNTS PER MINUTE / SAMPLE WEIGHT = ppb Hg	CORRECTION FACTOR: T (°C)	CONCENTRATION Hg	#1	#2	#3	#4	#5	AVERAGE (3 CONSECUTIVE WITHIN 5%)	CF = CONCENTRATION Hg / AVERAGE COUNTS
✓	TSS# 67	10↑	.10	21	.14	29.4 ppb									
✓	TSS# 68	10↓	.10	21	.14	29.4 ppb									
✓	TSS# 69	3-	.10	20	.14	28.0 ppb									
✓	TSS# 70	5↓	.10	31	.14	43.4 ppb									
✓	TSS# 71	STD 3-8 X .14 ÷ 25 = 4.48 ppb 3-	.10	19	.14	26.6 ppb									
✓	TSS# 72	2-	.10	18	.14	25.2 ppb									
✓	TSS# 73	2-	.10	7	.14	9.8 ppb									
✓	TSS# 74	2-	.10	11	.14	15.4 ppb									
✓	TSS# 75	3↓	.10	22	.14	30.8 ppb									
✓	TSS# 76	3-	.10	13	.14	18.2 ppb									
✓	TSS# 77	4↓	.10	18	.14	25.2 ppb									
✓	TSS# 78	STD 3- 8 X .14 ÷ 25 = 4.48 ppb 6↓	.10	24	.14	33.6 ppb									
✓	TSS# 79	5↓	.10	42	.14	58.8 ppb									
✓	TSS# 80	3↓	.10	16	.14	22.4 ppb									
✓	TSS# 81	2-	.10	11	.14	15.4 ppb									
✓	TSS# 82	3-	.10	9	.14	12.6 ppb									
✓	TSS# 83	2-	.10	6	.14	8.4 ppb	✓ BELOW		8	X	14 =	11.2 ppb			
✓	TSS# 84	3-	.10	16	.14	22.4 ppb	✓ AFTER SG		.10	16	X .14 =	22.4			
✓	TSS# 85	3-	.10	10	.14	14.2 ppb									
✓	TSS# 86	3-	.10	23	.14	32.2 ppb									
✓	TSS# 87	2-	.10	9	.14	12.6 ppb									
✓	TSS# 88	STD 3↓ 6 X .16 3.84 ppb 3-	.10	19	.14	26.6 ppb	28°C	25.2	162	164	162	162	159	161.8	.16

Hg GEOCHEM ANALYSIS SHEET

SHEET 5 OF 5

LOCATION: MINE Charleston MINING DISTRICT TOMBSTONE COUNTY Cochise STATE ARIZONA COUNTRY U.S.A

PROJECT # 100-01 CLIENT TOMBSTONE DEVELOPMENT CO DATE COLLECTED 4-82 DATE ANALYZED 6-9-86

Collected By: JAB MAS JAB JR

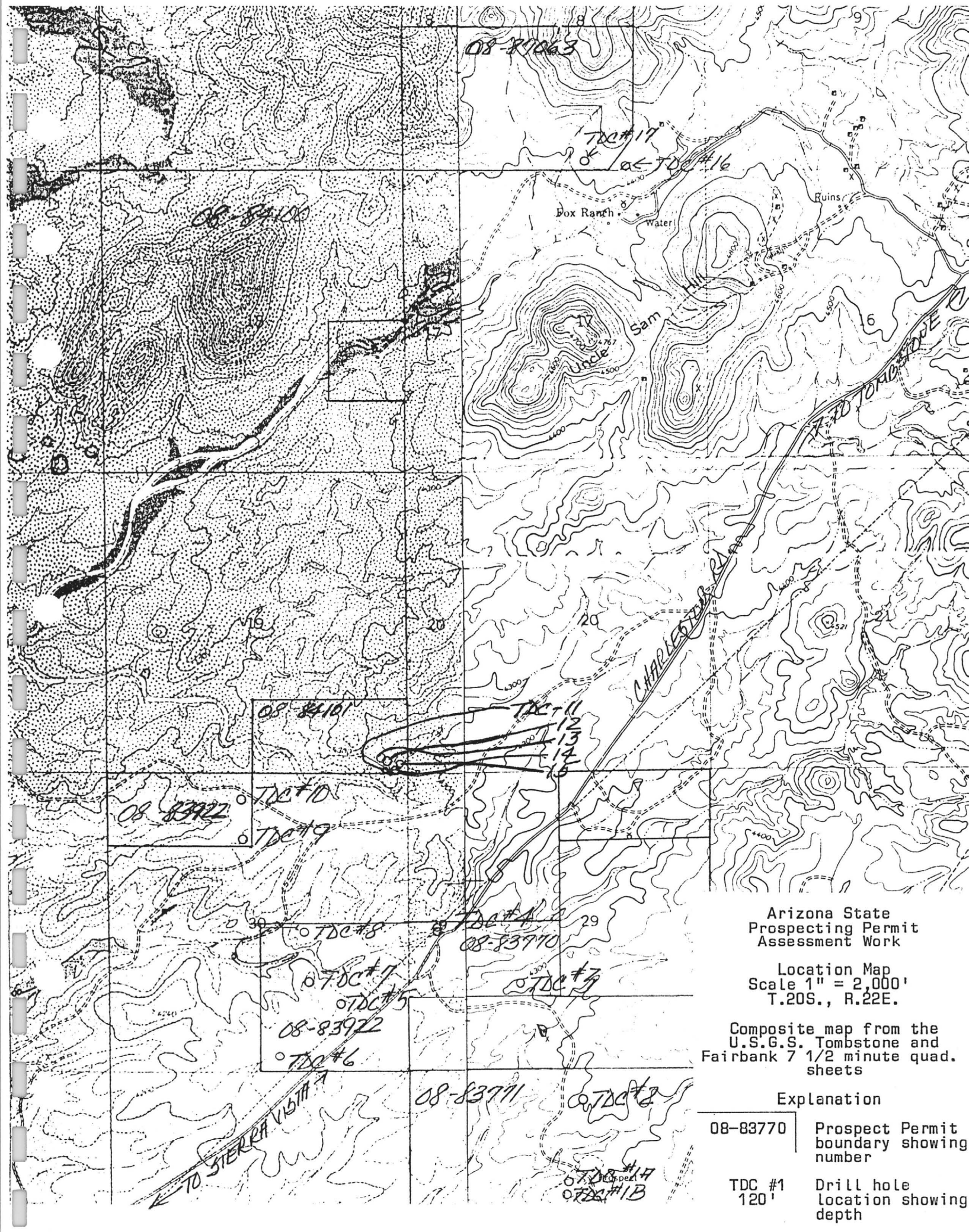
Analyzed By: TEW

LAB #	SAMPLE #	NOTES	SAMPLE WEIGHT	COUNTS PER MINUTE	CORRECTION FACTOR (CF)	CF x COUNTS PER MINUTE / SAMPLE WEIGHT = ppb Hg	CORRECTION FACTOR T (°C)	CONCENTRATION Hg	#1	#2	#3	#4	#5	AVERAGE (3 CONSECUTIVE WITHIN 5%)	CF = CONCENTRATION Hg / AVERAGE COUNTS
	TSS # 89	3↓	.10	8	.16	12.8 ppb									
	TSS # 90	2-	.10	16	.16	25.6 ppb									
	TSS # 91	3-	.10	31	.16	49.6 ppb									
	TSS # 92	3-	.10	23	.16	36.8 ppb									
	TSS # 93	3-	.10	16	.16	25.6 ppb									
	TSS # 94	3↓	.10	11	.16	17.6 ppb									
	TSS # 95	3-	.10	9	.16	14.4 ppb									
	TSS # 96	3-	.10	11	.16	17.6 ppb									
	TSS # 97	3-	.10	15	.16	24.8 ppb									
	TSS # 98	STD 2- 10x.16 = 6.4ppb 3-	.10	12	.16	19.6 ppb									

DRILLING ASSEMBLY

Drill Program Summary

RDH #	TD		Loc.
1A	120	var	N½ S32
1B	120	"	"
2	120	"	"
3	95		S½ SE¼ 29
4	120	-70°	SE¼ S30
5	70		
6	70	35	
7	70		
8	100		
9	40		
10	40		
11	95		
12	95		
13	95		
14	95	var	
15	120	-70°	
16	125	var	SW¼ S8
17	130'	var	
	1780	x 4	7120



Arizona State
Prospecting Permit
Assessment Work

Location Map
Scale 1" = 2,000'
T.20S., R.22E.

Composite map from the U.S.G.S. Tombstone and Fairbank 7 1/2 minute quad. sheets

Explanation

08-83770	Prospect Permit boundary showing number
TDC #1 120'	Drill hole location showing depth

James A. Briscoe & Associates, Inc.

Exploration Consultants:
Base and Precious Metals/Geologic and Land Studies/Regional and Detail Projects

James A. Briscoe
Registered Professional Geologist

Thomas E. Waldrip, Jr.
Geologist/Landman

REGISTERED MAIL # P176 202 179

May 9, 1986

Michael Rice
Natural Resource Planner
Arizona State Land Department
1624 West Adams
Phoenix, AZ 85012

RE: Cancellation/release of bond for 08-83771 and 08-84101 - response to correspondence of November 27, 1985

Dear Mr. Rice:

Pursuant to your above referenced correspondence, please find following a resume of drilling activities and resulting studies related thereto. Data is somewhat meager, as economic conditions have deteriorated substantially since holes were drilled. Subsequent exploration funds were delegated to other projects of merit instead of originally anticipated priorities of logging and assaying. Our deliquency is thus explained as to the amount of data provided.

GENERAL DATA - The folloiwng data applies to all drill holes:

1. All holes were drilled dry with air.

2. All holes were surfaced cased to 5 feet in depth and capped with plastic caps.

3. All holes were 4 3/4 inches in diameter of variable depths and inclination (most being vertical).

4. All holes were drilled using an Atlas-Copco Roc-604 air track drill. No road access or drill site construction was necessary. Access was from pre-existing roads and trails.

5. One quarter gallon drill cutting splits were retained per each five foot interval drilled.

6. Cuttings from each hole were glued to a "coreboard" at a scale of 1" = 10', using a coarse, fine and panned fraction.

5701 East Glenn Street, Suite 120/Tucson, Arizona 85712/602•721-1375

7. Drill cuttings were "assayed" with a UNC Silver MAP unit (x-ray flourescence) for silver mineralization. All holes indicated detectable silver mineralization. All results, however, were in the range of minimum detectability for the machine (less than 1.5 oz. Ag/ton) at the time readings were taken. This was an orientation survey for high grade mineable zones. Results were negative, and thus, were not retained. For quantitative purposes, a longer reading interval would be required.

8. No geophysical or geochemical logs have been made by the Permitee.

9. One fenced trench exists in the area of 08-84101 (see map, Attachment 1).

The following holes were drilled per each permit area (please refer to the attached map for drill hole location):

Prospecting Permit 08-84101 (Section 19, T.20S., R.22E., G.&S.R.B.M.):

Drill Hole TDC #11 - Vertical, 90 feet deep
TDC #11 was collared in intensely sericitized and silicified porphyry, probably the Laramide-Uncle Sam Tuff, and remained in this rock to the bottom at 90 feet. Variable amounts of limonite and hematite after pyrite were noticeable as well as black manganese oxides near the bottom of the hole. No sulfides were encountered.

Drill Hole TDC #12 - Vertical, 95 feet deep
TDC #12 was collared in intensely argillized and silicified porphyry, probably the Laramide-Uncle Sam Tuff. It remained in this rock to the bottom at 95 feet. Variable amounts of hematite and limonite after pyrite were noticable in the cuttings. as were black manganese oxides. particularly towards the base of the hole. No sulfides were intercepted.

Drill Hole TDC #13 - Vertical, 95 feet deep
TDC #13 was collared in strongly argillized porphyry - probably Laramide-Uncle Sam Tuff, and remained in this rock type to the bottom at 95 feet. Variable mounts of limonite and hematite after pyrite and manganese oxides were noticeable in the cuttings. No sulfides were intersected.

Drill Hole TDC #14 - Vertical, 95 feet deep
TDC #14 was collared in moderately to intensely argillized porphyry, probably the Laramide-Uncle Sam Tuff, and remained in that rock to the bottom at 95 feet. Variable amounts of limonite and hematite after pyrite, as well as black manganese oxides towards the bottom of the hole were noticeable in the cuttings- but no sulfide minerals were intersected.

Drill Hole TDC #15 - Minus 70 degrees (20 degrees off vertical), 120 feet deep on incline
TDC #15 was drilled in a southeasterly direction at approximately right angles to a silicified zone in intensely altered Uncle Sam Tuff. It intercepted this rock type throughout its depth of 120'. Variable amounts of limonite and hematite after pyrite were noticeable in the cuttings. but no sulfide minerals were intersected.

Prospecting Permit 08-83771, Section 29, T.20S., R.22E., G.&S.R.B.M.:

Drill Hole TDC #1-A - Vertical, 120 feet deep
TDC #1-A was collared in weekly altered Cretaceous Bisbee Sediments and remained in this formation to a total depth at 120 feet. Variable amounts of limonite and hematite after pyrite were noticeable in drill cuttings. Sulphides (pyrite) were first encountered at about 100 feet in depth. Within the oxidized zone, the sediments were moderately to noticeable bleached from their normal maroon color. The unbleached maroon color predominates in the sulphide zone.

Drill Hole TDC #1-B - Vertical, 120 feet deep
TDC #1-B was collared in weakly altered Cretaceous Bisbee Sediments and remained in this Formation to total depth of 120 feet. Variable amounts of limonite and hematite after pyrite were noticeable in drill cuttings. Sulphides were first encountered at 85 feet. Within the oxidized and sulphide zones. the sediments were moderately to noticeable bleached from their normal unaltered maroon color.

Drill Hole TDC #2 - Vertical, 120 feet deep
TDC #2 was collared in very weakly altered Cretaceous Bisbee Sediments and remained in this formation to a total depth of 120 feet. Noteable manganese oxide filled fractures in the upper 10 feet of the hole but gave way to only weakly bleached rock for the next 50 feet, with varying amounts of limonite and hematite + manganese

oxides. Fresh, unaltered sediments were encountered below 60 feet.

The Permitee of past referenced Prospecting Permit (08-84101) is currently Permitee of record (08-91639) covering the same area of work/exploration thereon discussed herein. We would like to see that any exploration efforts performed to date and detailed herein, remain status quo, until further exploration is performed. Should this situation, in your opinion, create an exception to the release of the restoration bond for Prospecting Permit 08-84101, please see that an agreement is drawn up for Permitee's signature, which can postpone any restoration and release Permitee from past surety agent, wherein, obligations so accrued would transfer to Permitee current bond for Prospecting Permit (08-91639).

Respectfully, we would request any information supplied, herein, be kept confidential for the maximum protracted period possible for Prospecting Permit 08-84101, or through the longevity of Prospecting Permit #08-91639.

Results for Prospecting Permit 08-83771 may be handled at your discretion.

Thank you for your patience and cooperation in these matters.

Sincerely,

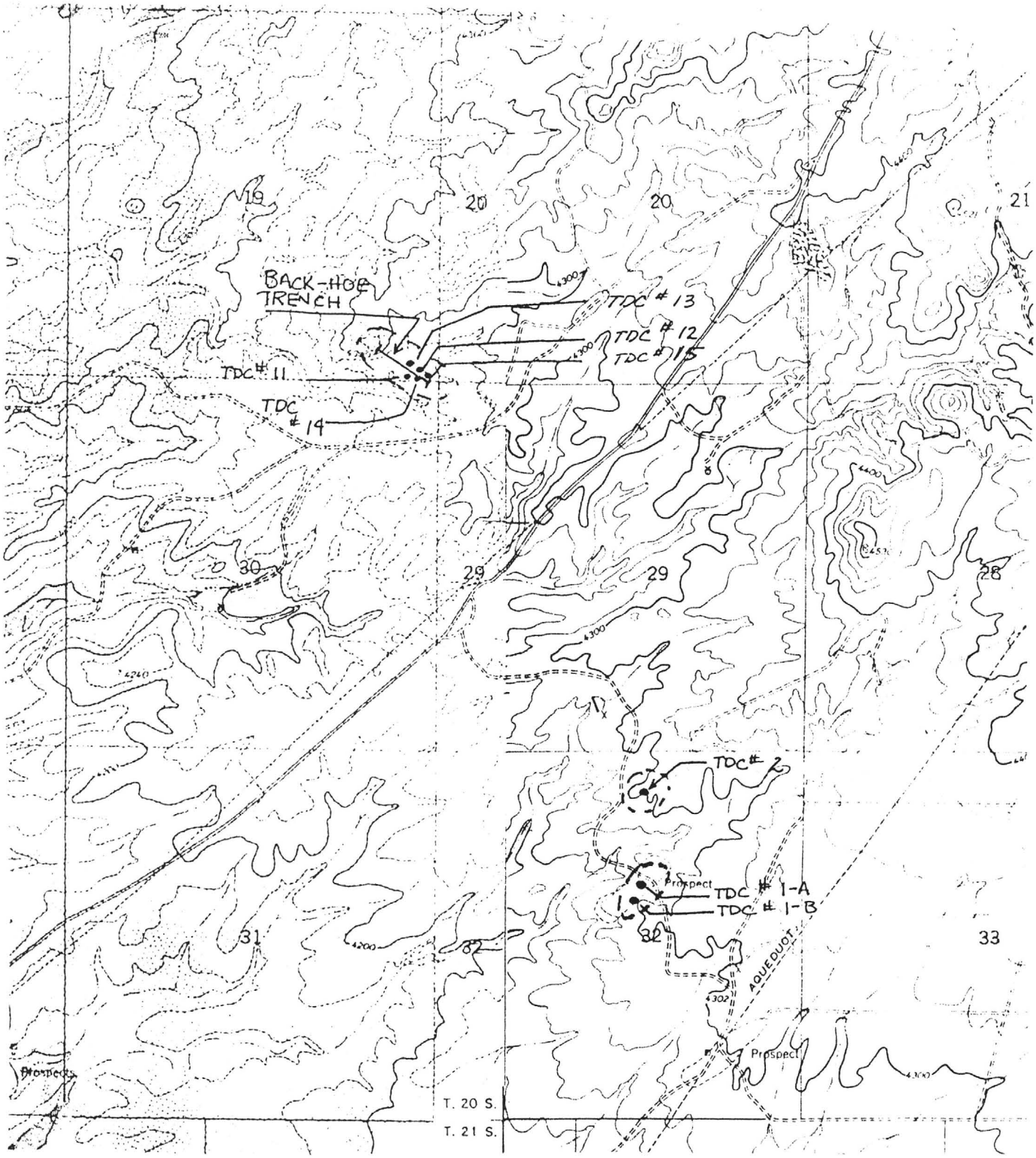
JAMES A. BRISCOE & ASSOCIATES, INC.

Thomas E. Waldrip, Jr.
Land Manager

TEW/ms

Enclosure

ATTACHMENT 1



SCALE 1" = 2000'
1:24,000

PROJECT TDC - State Assess.
Collar elev.
Coord N.
Inclination Vert
Logged by JAB,
Date start
Hole No. TDC-1A (1011)
Final depth
Coord E.
Page 1 of 1
Date finish

	DEPTH from	DEPTH to	int	% core recov.		ASSAY Cu	Mo	Pb	Zn	Au	Ag
1	0	7									1.5 / 1.4
2	7	10									0.5
3	10	15									0.4
4	15	20									1.2
5	20	25									1.9
6	25	30									0.6
7	30	35									1.3
8	35	40									0.3
9	40	45									0.6
10	45	50									0.2
11	50	55									1.1
12	55	60									1.7
13	60	65									0.6
14	65	70									0.9
15	70	75									1.3
16	75	80									0.1
17	80	85									0.1
18	85	90									0.7
19	90	95									0.0
20	95	100									0.0
21	100	105									0.3
22	105	110									0.4
23	110	115									0.8
24	115	120									1.5 / 1.3
25											
26											

	IGNEOUS ROCKS: QTZ Qtz. Veins	QTZ Silif.	K ALT. 2nd Kspar	K ALT. 2nd bio	K ALT. anhyd (gyp)	K ALT. apatite	PHYL sericite	PHYL mont kaolin	PROPYLITIC epidote	PROPYLITIC chlorite	PROPYLITIC carbonate	PROPYLITIC albite	CARBONATE ROCKS: METASOMATIC bl mbztion	METASOMATIC trem-act	METASOMATIC wollast	METASOMATIC diopside	METASOMATIC garnet	SULFIDE ZONE MINERALS Tot. Suls.	pyrite	chalcopy	bornite	chalcocite	moly	galena	sphalerite	magnetite	hematite	Mn mins	OXIDE ZONE MIN lim a py	a cc / cpy	grn CuOx	black CuOx	ferrimoly	OTHER W mins	fluorite	barite	STRUCTURE FRACS	VEINS	INT BX.
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PROJECT TDC State Assess. Hole No. TDC-1B (1012)
Collar elev. _____ Final depth 120
Coord N. _____ Coord E. _____
Inclination Vert. Page 1 of 1
Logged by _____
Date start _____ Date finish _____

	DEPTH from	DEPTH to	int	% core recov.		ASSAY Cu	Mo	Pb	Zn	Au	Ag
1	0	7									0.5
2	7	10									0.5
3	10	15									1.5
4	15	20									0.0
5	20	25									1.9
6	25	30									1.8
7	30	35									1.9
8	35	40									1.6
9	40	45									0.1
10	45	50							1.6	<	2.6 / .9 (3 / 1.2)
11	50	55									0.9
12	55	60									0.0
13	60	65									0.4
14	65	70									0.0
15	70	75									0.8
16	75	80									0.0
17	80	85									0.5
18	85	90							1.6	<	2.3 / 0.5 (.8)
19	90	95									0.2
20	95	100									0.3
21	100	105									0.3
22	105	110									1.6
23	110	115									0.3
24	115	120									1.8
25		EOH									
26											

	IGNEOUS ROCKS: QTZ Qtz. Veins	Silif.	K ALT. 2nd Kspar	2nd bio	anhyd (gyp)	apatite	PHYL sericite	mont kaolin	PROPYLITIC epidote	chlorite	carbonate	albite	CARBONATE ROCKS: METASOMATIC bl mnzation	trem-act	wollast	diopside	garnet	SULFIDE ZONE MINERALS: Tot. Suls.	pyrite	chalcopy	bornite	chalcocite	moly	galena	sphalerite	magnetite	hematite	Mn mins	OXIDE ZONE MIN: lim a py	a cc. / cpy	grn CuOx	black CuOx	ferrimoly	OTHER: W mins	fluorite	barite
1																																				
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STRUCTURE	FRACS	VEINS	INT. BX.
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PROJECT TDC - State Ass.
Collar elev.
Coord N.
Inclination Vert.
Logged by
Date start

Hole No. TDC-2 (1020)
Final depth
Coord E.
Page of
Date finish

	DEPTH from	DEPTH to	int	% core recov.		ASSAY Cu	Mo	Pb	Zn	Au	Ag
1	0	7									1.4
2	7	10									1.6
3	10	15									2.2 / 1.3
4	15	20									0.9
5	20	25									1.0
6	25	30									1.9
7	30	35									1.8
8	35	40									0.3
9	40	45									1.6
10	45	50									0.6
11	50	55									0.6
12	55	60									1.6
13	60	65									1.2
14	65	70									1.4
15	70	75									1.2
16	75	80									1.4
17	80	85									1.1
18	85	90									0.9
19	90	95									0.8
20	95	100									3.9
21	100	105									1.5
22	105	110									0.0
23	110	115									0.4
24	115	120									0.5
25											
26											

	IGNEOUS ROCKS: QTZ Qtz. Veins	QTZ Silif.	K ALT. 2nd Kspar	K ALT. 2nd bio	K ALT. anhyd (gyp)	K ALT. apatite	PHYL sericite	PHYL mont kaolin	PROPYLITIC epidote	PROPYLITIC chlorite	PROPYLITIC carbonate	PROPYLITIC albite	CARBONATE ROCKS: METASOMATIC bl mbztion	METASOMATIC trem-act	METASOMATIC wollast	METASOMATIC diopside	METASOMATIC garnet	SULFIDE ZONE MINERALS Tot. Suls.	pyrite	chalcopy	bornite	chalcocite	moly	galena	sphalerite	magnetite	hematite	Mn mins	OXIDE ZONE MIN lim a py	a cc / cpy	grn CuOx	black CuOx	ferrimoly	OTHER W mins	fluorite	barite	STRUCTURE FRACS	VEINS	INT. BX.
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PROJECT TDC State Assess. Hole No. TDC-3 (103D)
Collar elev. ____ Final depth ____
Coord N. ____ Coord E. ____
Inclination Vert. Page 1 of 1
Logged by IAB
Date start ____ Date finish ____

IGNEOUS ROCKS: QTZ, K ALT., PHYL, PROPYLITIC — CARBONATE ROCKS: METASOMATIC — SULFIDE ZONE MINERALS — OXIDE ZONE MIN — OTHER — STRUCTURE

	DEPTH from	DEPTH to	int	% core recov.	ASSAY Cu	Mo	Pb	Zn	Au	Ag	Qtz. Veins	Silif.	2nd Kspar	2nd bio	anhyd (gyp)	apatite	sericite	mont kaolin	epidote	chlorite	carbonate	albite	bl mbztion	trem-act	wollast	diopside	garnet	Tot. Suls.	pyrite	chalcopy	bornite	chalcocite	moly	galena	sphalerite	magnetite	hematite	Mn mins	lim a py	a cc / cpy	grn CuOx	black CuOx	ferrimoly	W mins	fluorite	barite	FRACS	VEINS	INT. BX.
1	0	7								1.5																																							
2	7	10								1.0																																							
3	10	15								1.6																																							
4	15	20								1.2																																							
5	20	25								0.9																																							
6	25	30								0.7																																							
7	30	35								0.6																																							
8	35	40								1.0																																							
9	40	45								0.6																																							
10	45	50								0.8																																							
11	50	55								0.6																																							
12	55	60								0.6																																							
13	60	65								0.5																																							
14	65	70								1.5																																							
15	70	75								1.0																																							
16	75	80								0.9																																							
17	80	85								1.3																																							
18	85	90								0.7																																							
19	90	95								0.8																																							
20	95	100								2.0																																							
21	100	105								0.8																																							
22	105	110								1.5																																							
23	110	115								0.2																																							
24	115	120								1.3																																							
25		EOH																																															
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PROJECT TDC-State Assess
Collar elev.
Coord N.
Inclination -70°
Logged by JAB
Date start
Hole No. TDC-4 (1040)
Final depth 120
Coord E.
Page 1 of 1
Date finish

	DEPTH from	DEPTH to	int	% core recov.		ASSAY Cu	Mo	Pb	Zn	Au	Ag
1	0	7									2.0 / 2.5
2	7	10									0.9
3	10	15									0.0
4	15	20									1.3
5	20	25									0.1
6	25	30									0.2
7	30	35									1.6
8	35	40									1.9
9	40	45									0.4
10	45	50									0.9
11	50	55									1.3
12	55	60									1.1
13	60	65									0.9
14	65	70									0.0
15	70	75									0.0
16	75	80									0.0
17	80	85									0.0
18	85	90									0.6
19	90	95									1.8
20	95	100									1.3
21	100	105									1.2
22	105	110									1.2
23	110	115									0.0
24	115	120									0.8
25		EOH									
26											

	IGNEOUS ROCKS: QTZ Qtz. Veins	Silif.	K ALT. 2nd Kspar	2nd bio	anhyd (gyp)	apatite	PHYL sericite	mont kaolin	PROPYLITIC epidote	chlorite	carbonate	albite	CARBONATE ROCKS: METASOMATIC bl mbztion	trem-act	wollast	diopside	garnet	SULFIDE ZONE MINERALS Tot. Suls.	pyrite	chalcopy	bornite	chalcocite	moly	galena	sphalerite	magnetite	hematite	Mn mins	OXIDE ZONE MIN lim a py	a cc / cpy	grn CuOx	black CuOx	ferrimoly.	OTHER W mins	fluorite	barite	STRUCTURE FRACS	VEINS	INT. BX.
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PROJECT TDC State Ass. Hole No. TDC-5 (10507)
Collar elev. Final depth
Coord N. Coord E.
Inclination Vert Page 1 of 1
Logged by JAB
Date start Date finish

	DEPTH from	DEPTH to	int	% core recov.		ASSAY Cu	Mo	Pb	Zn	Au	Ag
1	0	7									0.9
2	7	10									0.0
3	10	15									1.3
4	15	20									0.0
5	20	25									0.4
6	25	30									1.4
7	30	35									1.7
8	35	40									0.2
9	40	45									0.0
10	45	50									0.0
11	50	55									0.0
12	55	60									0.5
13	60	65									0.7
14	65	70									0.9
15	70	75									1.9
16	75	80									0.0
17	80	85									1.6
18	85	90									0.3
19		EOH	- winter								
20											
21											
22											
23											
24											
25											
26											

	IGNEOUS ROCKS: QTZ Qtz. Veins	Silif.	K ALT. 2nd Kspar	2nd bio	anhyd (gyp)	apatite	PHYL sericite	mont kaolin	PROPYLITIC epidote	chlorite	carbonate	albite	CARBONATE ROCKS: METASOMATIC bl mbztion	trem-act	wollast	diopside	garnet	SULFIDE ZONE MINERALS Tot. Suls.	pyrite	chalcopy	bornite	chalcocite	moly	galena	sphalerite	magnetite	hematite	Mn mins	OXIDE ZONE MIN lim a py	a cc / cpy	grn CuOx	black CuOx	ferrimoly	OTHER W mins	fluorite	barite	STRUCTURE FRACS	VEINS	INT BX
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PROJECT TDC State Ass — Hole No. TDC-6 (1060

Collar elev. — Final depth

Coord N. — Coord E.

Inclination — Page 1 of 1

Logged by JAB

Date start — Date finish

	DEPTH from	DEPTH to	int	% core recov.		ASSAY Cu	Mo	Pb	Zn	Au	Ag	IGNEOUS ROCKS: QTZ Qtz. Veins	Silif.	K ALT. 2nd Kspar	2nd bio	anhyd (gyp)	apatite	PHYL sericite	mont kaolin	PROPYLITIC epidote	chlorite	carbonate	albite	CARBONATE ROCKS: METASOMATIC bl mbztion	trem-act	wollast	diopside	garnet	SULFIDE ZONE MINERALS Tot. Suls.	pyrite	chalcopy	bornite	chalcocite	moly	galena	sphalerite	magnetite	hematite	Mn mins	OXIDE ZONE MIN limo a py	a cc / cpy	grn CuOx	black CuOx	ferrimoly	OTHER W mins	fluorite	barite	STRUCTURE FRACS	VEINS	INT BX.
1	0	7									0.0																																								
2	7	10									0.1																																								
3	10	15				Missing																																													
4	15	20									0.7																																								
5	20	25									0.3																																								
6	25	30							1.7		2.1 / 0.1																																								
7	30	35									1.2																																								
8	35	40									1.6																																								
9	40	45									1.0																																								
10	45	50									0.6																																								
11	50	55									1.0																																								
12	55	60									1.4																																								
13	60	65									1.8																																								
14	65	70									2.0 / 0.2																																								
15	70	75									2.3 / 1.0																																								
16	75	80									0.3																																								
17	80	85									0.3																																								
18	85	90									1.2																																								
19	90	95									0.6																																								
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21	100	105									0.2																																								
22	105	110									0.7																																								
23	110	115									1.0																																								
24	115	120									0.8																																								
25	120	125		(missing 10-15' int, prob miss #5 or 15							0.5																																								
26																																																			

PROJECT P-101-1 JDC State Assess Hole No. JDC #7 (1070)
Collar elev. ____ Final depth ____
Coord N. ____ Coord E. ____
Inclination vert. Page 1 of 1
Logged by J.A. Briscoe
Date start ____ Date finish ____

	DEPTH from	DEPTH to	int	% core recov.		ASSAY Cu	Mo	Pb	Zn	Au	Ag	IGNEOUS ROCKS: QTZ Qtz. veins	Silif.	K ALT. 2nd Kspar	2nd bio	anhyd (gyp)	apatite	PHYL sericite	mont kaolin	PROPYLITIC epidote	chlorite	carbonate	albite		METASOMATIC bl muxtion	trem-act	wollast	diopside	garnet		SULFIDE ZONE MINERALS Tot. Suls.	pyrite	chalcopy	bornite	chalcocite	moly	galena	sphalerite	magnetite	hematite	Mn mins		OXIDE ZONE MIN lim a py	a cc / cpy	grn CuOx	black CuOx	ferrimoly	OTHER W mins	fluorite	barite			STRUCTURE FRACS	VEINS	INT. BX.
1	0	7									0.8																																														
2	7	10									1.2																																														
3	10	15									1.5																																														
4	15	20									0.0																																														
5	20	25									0.9																																														
6	25	30									0.4																																														
7	30	35									1.0																																														
8	35	40									0.8																																														
9	40	45									0.6																																														
10	45	50									0.4																																														
11	50	55									1.0																																														
12	55	60									1.4																																														
13	60	65									0.2																																														
14	65	70									0.9																																														
15	70	75									1.3																																														
16	75	80									1.6																																														
17	80	85									0.7																																														
18	85	90									0.4																																														
19		EOH	H2O																																																						
20																																																										
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24																																																										
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PROJECT TDC State Assess.
Collar elev.
Coord N.
Inclination Vert
Logged by JAB
Date start
Hole No. TDC-8 (1080)
Final depth 105
Coord E.
Page of
Date finish

	DEPTH from	DEPTH to	int.	% core recov.		ASSAY Cu	Mo	Pb	Zn	Au	Ag
1	0	7									0.5
2	7	10									1.0
3	10	15									0.4
4	15	20									0.1
5	20	25									0.9
6	25	30									1.4
7	30	35									0.0
8	35	40							1.1	<	2.2 / 1.2
9	40	45									1.6
10	45	50									0.3
11	50	55									0.7
12	55	60									0.4
13	60	65									0.8
14	65	70									1.1
15	70	75									1.0
16	75	80									1.0
17	80	85									0.4
18	85	90									0.0
19	90	95									0.0
20	95	100									1.0
21	100	105							wet confident assay		
22		EOH	H2O								
23											
24											
25											
26											

	IGNEOUS ROCKS: QTZ Qtz. Veins	Silif.	K ALT. 2nd Kspar	2nd bio	anhyd (gyp)	apatite	PHYL sericite	pont kaolin	PROPYLITIC epidote	chlorite	carbonate	albite		CARBONATE ROCKS: METASOMATIC bl mbztion	trem-act	wollast	diopside	garnet			SULFIDE ZONE MINERALS Tot. Suls.	pyrite	chalcopy	bornite	chalcocite	moly	galena	sphalerite	magnetite	hematite	Mn mins			OXIDE ZONE MIN lim a py	a cc / cpy	grn CuOx	black CuOx	ferrimoly		OTHER W mins	fluorite	barite				STRUCTURE FRACS	VEINS	INT. BX.
1																																																
2																																																
3																																																
4																																																
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6																																																
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25																																																
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PROJECT 1.3 TDC State ASSess Hole No. TDC-9 (109B) Tim Ash Peak

Collar elev. _____ Final depth 40

Coord N. _____ Coord E. _____

Inclination Vert Page 1 of 1

Logged by JABrosse

Date start _____ Date finish _____

	DEPTH from	DEPTH to	int	% core recov.		ASSAY Cu	Mo	Pb	Zn	Au	Ag	IGNEOUS ROCKS: QTZ Qtz. Veins	Silif.	K ALT. 2nd Kspar	2nd bio	anhyd (gyp)	apatite	PHYL sericite	mont kaolin	PROPYLITIC epidote	chlorite	carbonate	albite			CARBONATE ROCKS: METASOMATIC bl mbztion	trem-act	wollast	diopside	garnet			SULFIDE ZONE MINERALS Tot. Suls.	pyrite	chalcopy	bornite	chalcocite	moly	galena	sphalerite	magnetite	hematite	Mn mins			OXIDE ZONE MIN lim a py	a cc / cpy	grn CuOx	black CuOx	ferrimoly		OTHER W mins	fluorite	barite				STRUCTURE FRACS	VEINS	INT. BX.
1	0	7									0.3																																																											
2	7	10									1.3																																																										
3	10	15									1.5																																																										
4	15	20									0.9																																																										
5	20	25									0.7																																																										
6	25	30									1.0																																																										
7	30	35									1.4																																																										
8	35	40									1.1																																																										
9		EOH																																																																			
10																																																																									
11																																																																									
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26																																																																									

PROJECT TDC State Assess. D-501-E
Hole No. TDC-10 (1100)
Collar elev.
Final depth 40
Coord N.
Coord E.
Inclination Vert
Page 1 of 1
Logged by JAB
Date start
Date finish

	DEPTH from	DEPTH to	int.	% core recov.		ASSAY Cu	Mo	Pb	Zn	Au	Ag
1	0	7									1.0
2	7	10									0.0
3	10	15									1.8
4	15	20									0.5
5	20	25									1.1
6	25	30									1.1
7	30	35									1.3
8	35	40									1.0
9		EOH									
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											

	IGNEOUS ROCKS: QTZ Qtz. Veins	Silif.	K ALT. 2nd Kspar	2nd bio	anhyd (gyp)	apatite	PHYL sericite	mont kaolin	PROPYLITIC epidote	chlorite	carbonate	albite	CARBONATE ROCKS: METASOMATIC bl mnztion	trem-act	wollast	diopside	garnet	SULFIDE ZONE MINERALS: Tot. Suls.	pyrite	chalcopy	bornite	chalcocite	moly	galena	sphalerite	magnetite	hematite	Mn mins	OXIDE ZONE MIN lim a py	a cc / cpy	grn CuOx	black CuOx	ferrimoly	OTHER W mins	fluorite	barite	STRUCTURE FRACS	VEINS	INT BX.
1																																							
2																																							
3																																							
4																																							
5																																							
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PROJECT TDC Stats Assays
Collar elev.
Coord N.
Inclination Vert.
Logged by JAB
Date start
Hole No. TDC-11 1110
Final depth 90
Coord E.
Page 1 of 1
Date finish

	DEPTH from	DEPTH to	int	% core recov.		ASSAY Cu	Mo	Pb	Zn	Au	Ag
1	0	7									1.5
2	7	10									1.5
3	10	15									1.2
4	15	20									1.2
5	20	25							2.1	<	3.7 / 1.5
6	25	30									0.9
7	30	35									1.1
8	35	40									0.6
9	40	45									0.9
10	45	50									1.9
11	50	55									0.8
12	55	60									0.0
13	60	65									0.0
14	65	70									0.0
15	70	75									1.0
16	75	80									0.2
17	80	85									0.0
18	85	90									0.0
19		EOH	H-D								
20											
21											
22											
23											
24											
25											
26											

	IGNEOUS ROCKS: QTZ Qtz. Veins	Silif.	K ALT. 2nd Kspar	2nd bio	anhyd (gyp)	apatite	PHYL sericite	mont kaolin	PROPYLITIC epidote	chlorite	carbonate	albite	CARBONATE ROCKS: METASOMATIC bl mnzion	tremract	wollast	diopside	garnet	SULFIDE ZONE MINERALS Tot. Suls.	pyrite	chalcopy	bornite	chalcocite	moly	galena	sphalerite	magnetite	hematite	Mn mins	OXIDE ZONE MIN lim a py	a cc / cpy	grn CuOx	black CuOx	ferrimoly	OTHER W mins	fluorite	barite	STRUCTURE FRACS	VEINS	INT. BX.
1																																							
2																																							
3																																							
4																																							
5																																							
6																																							
7																																							
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9																																							
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11																																							
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24																																							
25																																							
26																																							

Fred Jenkins Santa Fe

P-101-1

PROJECT TDC -State Assess.
Collar elev.
Coord N.
Inclination Vert
Logged by JAB
Date start

Hole No. TCD -12 (1120)
Final depth 120
Coord E.
Page 1 of 1
Date finish

	DEPTH from	DEPTH to	int	% core recov.		ASSAY Cu	Mo	Pb	Zn	Au	Ag
1	0	7									0.7
2	7	10									1.1
3	10	15								(	0.9
4	15	20									0.0
5	20	25								(	0.9
6	25	30									1.6
7	30	35								(	0.3
8	35	40									1.1
9	40	45									0.6
10	45	50									0.5
11	50	55									0.5
12	55	60									0.0
13	60	65									0.6
14	65	70									0.7
15	70	75									1.4
16	75	80									1.6
17	80	85									0.0
18	85	90									0.4
19	90	95									1.6
20	95	100									0.0
21	100	105									1.5
22	105	110									1.6
23	110	115									0.5
24	115	120									0.0
25		EOH									
26											

IGNEOUS ROCKS

	QTZ Qtz. Veins	Silif.	K ALT. 2nd Kspar	2nd bio	anhyd (gyp)	apatite	PHYL sericite	mont kaolin	PROPYLITIC epidote	chlorite	carbonate	albite
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												

CARBONATE ROCKS

	METASOMATIC bl mbztion	trem-act	wollast	diopside	garnet	SULFIDE ZONE MINERALS Tot. Suls.	pyrite	chalcopy	bornite	chalcocite	moly	galena	sphalerite	magnetite	hematite	Mn mins	OXIDE ZONE MIN lim a py	a cc / cpy	grn CuOx	black CuOx	ferrimoly	OTHER W mins	fluorite	barite	STRUCTURE FRACS	VEINS	INT. BX.
1																											
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
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23																											
24																											
25																											
26																											

P101-1

PROJECT TCC State Assess — Hole No. TDC-13 (1130)
Collar elev. — Final depth 110
Coord N. — Coord E.
Inclination Vert — Page 1 of 1
Logged by JA-B Hscoe
Date start — Date finish

	DEPTH from	DEPTH to	int	% core recov.		ASSAY Cu	Mo	Pb	Zn	Au	Ag	IGNEOUS ROCKS: QTZ Qtz. Veins	Silif.	K ALT. 2nd Kspar	2nd bio	anhyd (gyp)	apatite	PHYL sericite	mont kaolin	PROPYLITIC epidote	chlorite	carbonate	albite	METASOMATIC bl mbztion	trem-act	wollast	diopside	garnet	SULFIDE ZONE MINERALS Tot. Suls.	pyrite	chalcopy	bornite	chalcocite	moly	galena	sphalerite	magnetite	hematite	Mn mins	OXIDE ZONE MIN lim a py	a cc / cpy	grn CuOx	black CuOx	ferrimoly	OTHER W mins	fluorite	barite	STRUCTURE FRACS	VEINS	INT. BX.
1	0	7									0.8																																								
2	7	10									1.2																																								
3	10	15									1.6																																								
4	15	20							1.5	←	2.0 / 1.0																																								
5	20	25									0.2																																								
6	25	30									0.6																																								
7	30	35									0.0																																								
8	35	40									0.5																																								
9	40	45							1.6	←	2.1 / 2.0	1.8 / 0.6																																							
10	45	50									0.7																																								
11	50	55									1.6																																								
12	55	60									0.8																																								
13	60	65									0.0																																								
14	65	70									1.3																																								
15	70	75									1.7																																								
16	75	80									0.7																																								
17	80	85									0.4																																								
18	85	90									0.9																																								
19	90	95									0.8																																								
20	95	100							1.4	←	1.4 / 1.7																																								
21	100	105									0.1																																								
22	105	110									0.2																																								
23		EOH	H_2O																																																
24																																																			
25																																																			
26		EOH																																																	

PROJECT P-101-1 TDC - State Assess
Hole No. TDC-14 (1140)
Collar elev.
Final depth 100.0
Coord N.
Coord E.
Inclination Vert
Page 1 of 1
Logged by J. A. Briscoe
Date start
Date finish

IGNEOUS ROCKS | CARBONATE ROCKS

	DEPTH from	DEPTH to	int	% core recov.		ASSAY Cu	Mo	Pb	Zn	Au	Ag	QTZ Qtz. Veins	Silif.	K ALT. 2nd Kspar	2nd bio	anhyd (gyp)	apatite	PHYL sericite	mont kaolin	PROPYLITIC epidote	chlorite	carbonate	albite	METASOMATIC bl mbztion	trem-act	wollast	diopside	garnet	SULFIDE ZONE MINERALS Tot. Suls.	pyrite	chalcopy	bornite	chalcocite	moly	galena	sphalerite	magnetite	hematite	Mn mins	OXIDE ZONE MIN lim a py	a cc / cpy	grn CuOx	black CuOx	ferrimoly	OTHER W mins	fluorite	barite	STRUCTURE FRACS	VEINS	INT. BX.
1	0	7									1.1																																							
2	7	10									0.5																																							
3	10	15									0.5																																							
4	15	20									1.2																																							
5	20	25									0.1																																							
6	25	30									1.3																																							
7	30	35									1.3																																							
8	35	40									1.5																																							
9	40	45									0.3																																							
10	45	50									1.2																																							
11	50	55									0.7																																							
12	55	60									0.2																																							
13	60	65									0.4																																							
14	65	70									0.3																																							
15	70	75									0.3																																							
16	75	80									1.2																																							
17	80	85									1.2																																							
18	85	90									1.4																																							
19	90	95									0.0																																							
20	95	100									0.4																																							
21		EOH	Hold																																															
22																																																		
23																																																		
24																																																		
25																																																		
26																																																		

P-101-1

PROJECT TDC-State Assess. Hole No. TDC-15 (1150)

Collar elev. _____ Final depth 120

Coord N. _____ Coord E. _____

Inclination -70° Page 1 of 1

Logged by T.A. Briscoe

Date start _____ Date finish _____

	DEPTH from	DEPTH to	int	% core recov.		ASSAY Cu	Mo	Pb	Zn	Au	Ag
1	0	7									0.4
2	7	10									0.5
3	10	15									1.2
4	15	20									0.0
5	20	25									0.1
6	25	30									1.6
7	30	35									1.7
8	35	40									1.8
9	40	45									1.6
10	45	50									1.2
11	50	55									0.5
12	55	60									1.1
13	60	65									1.1
14	65	70									0.0
15	70	75								1.1 <	2.2 / 0.1
16	75	80									0.8
17	80	85									1.2
18	85	90									0.2
19	90	95									1.7
20	95	100									0.4
21	100	105									0.7
22	105	110									0.4
23	110	115									0.0
24	115	120									1.0
25	EOH	H2O									
26											

	IGNEOUS ROCKS: QTZ		K ALT.				PHYL		PROPYLITIC					CARBONATE ROCKS: METASOMATIC								SULFIDE ZONE MINERALS										OXIDE ZONE MIN					OTHER					STRUCTURE		
	Qtz. Veins	Sillf.	2nd Kspar	2nd bio	anhyd (gyp)	apatite	sericite	mont kaolin	epidote	chlorite	carbonate	albite		bl mbztion	trem-act	wollast	diopside	garnet			Tot. Sulfs.	pyrite	chalcopy	bornite	chalcocite	moly	galena	sphalerite	magnetite	hematite	Mn mins	lim a py	a cc / cpy	grn CuOx	black CuOx	ferrimoly	W mins	fluorite	barite			FRACS	VEINS	INT. BX.
15		0.9																																											

= 1.7

PROJECT P-101-1 TDC State Assess
Collar elev. ____
Coord N. ____
Inclination vert
Logged by JA. Briscoe
Date start ____ Date finish ____

Hole No. TDC-16 (1160) — re-run samples
Final depth 130
Coord E. ____
Page 1 of 1

	DEPTH from	DEPTH to	int	% core recov.		ASSAY Cu	Mo	Pb	Zn	Au II	Ag I	Ag	IGNEOUS ROCKS: QTZ Qtz. Veins	Silif.	K ALT. 2nd Kspar	2nd bio	anhyd (gyp)	apatite	PHYL sericite	mont kaolin	PROPYLITIC epidote	chlorite	carbonate	albite	METASOMATIC bi mtzation	trem-act	wollast	diopside	garnet	SULFIDE ZONE MINERALS Tot. Suls.	pyrite	chalcopy.	bornite	chalcocite	moly	galena	sphalerite	magnetite	hematite	Mn mins	OXIDE ZONE MIN lim a py	a cc / cpy	grn CuOx	black CuOx	ferrimoly	OTHER W mins	fluorite	barite	STRUCTURE FRACS	VEINS	INT. BX.
1	0	7								1.1	0.3																																								
2	7	10								1.0	0.8																																								
3	10	15								1.4	0.0																																								
4	15	20								1.1	0.6																																								
5	20	25								1.0	1.8																																								
6	25	30								1.4	1.4																																								
7	30	35								—	0.8																																								
8	35	40									1.8																																								
9	40	45									1.8																																								
10	45	50									0.8																																								
11	50	55									0.0																																								
12	55	60									1.0																																								
13	60	65									0.4																																								
14	65	70								7.3 ←	2.1 / 0.4																																								
15	70	75									0.6																																								
16	75	80									0.5																																								
17	80	85									0.9																																								
18	85	90									1.0																																								
19	90	95									0.0																																								
20	95	100									1.4																																								
21	100	105									0.0																																								
22	105	110									0.5																																								
23	110	115									0.2																																								
24	115	120									0.2																																								
25	120	125									0.8																																								
26	125	130									0.0																																								

PROJECT P-101-1 TDC Stafe Assess
Collar elev.
Coord N.
Inclination Vert.
Logged by J. A. Briscoe
Date start
Hole No. TDC-17 (1170)
Final depth 130
Coord E.
Page 1 of 1
Date finish

	DEPTH from	DEPTH to	int	% core recov.	ASSAY Cu	Mo	Pb	Zn	Au	Ag	IGNEOUS ROCKS: QTZ Qtz. Veins	Silif.	K ALT. 2nd Kspar	2nd bio	anhyd (gyp)	apatite	PHYL sericite	mont kaolin	PROPYLITIC epidote	chlorite	carbonate	albite	CARBONATE ROCKS: METASOMATIC bl nbztion	tremolite	wollast	diopside	garnet	SULFIDE ZONE MINERALS Tot. Suls.	pyrite	chalcopy	bornite	chalcocite	moly	galena	sphalerite	magnetite	hematite	Mn mins	OXIDE ZONE MIN lim a py	a cc / cpy	grn CuOx	black CuOx	ferrimoly	OTHER W mins	fluorite	barite	STRUCTURE FRACS	VEINS	INT BX
1	0	7								1.2																																							
2	7	10								0.1																																							
3	10	15								0.6																																							
4	15	20								1.2																																							
5	20	25								0.9																																							
6	25	30								0.7																																							
7	30	35								0.8																																							
8	35	40						1.43		2.5 / 0.9	0.9																																						
9	40	45								1.0																																							
10	45	50								0.7																																							
11	50	55								0.4																																							
12	55	60								0.0																																							
13	60	65								1.4																																							
14	65	70								0.6																																							
15	70	75								1.7																																							
16	75	80								0.7																																							
17	80	85								0.7																																							
18	85	90								0.3																																							
19	90	95								0.7																																							
20	95	100								0.7																																							
21	100	105								0.8																																							
22	105	110								1.5																																							
23	110	115								0.6																																							
24	115	120								1.2																																							
25	120	125								0.1																																							
26	125	130								0.3																																							

SILVER MAP
HIGHWAYS

GEOCHEMICAL SAMPLE NOTE PAD

Report Observations in percent

	Sample No. (coordinates)	ALTERATION: 2nd. Kspar	2nd. bio.	ser.	qtz. vning	silf.	anh.	gyp.	arg.	car. vns.	chlorization	alun.	epi.	cel.	mblization	bleaching	wolfing	tremact	diop.	gar.	MINERALIZATION: sphalerite	sample tag	oz Ag - MAP	pyrite	chalcopyrite	bornite	molybdenite	galena	barite	magnetite	specularite	LEACHED CAPPING: Au Assy	Ag Assy	lim aft py	lim aft cpy	lim aft cc	cu pitch	grn CuOx	tenorite	smithsonite	lim aft sl	Fe moly	MNOX	9oure	REMARKS
1	Trench 2 6	–	–				–	–	–	–	–		–	–	–	–	–	–	–	–	2"	0.6		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–					
2	7	–	–				–	–	–	–	–	–	–	–							4'	0.7		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–					
3	8	–	–				–	–	–	–	–	–	–	–							2'	2.0		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–					Fr. uSam (Kus)
4	9	–	–				–	–	–	–	–	–	–	–								0.8		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–					Dump
5	10	–	–				–	–	–	–	–	–	–	–								1.5		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–					"
6	11	–	–				–	–	–	–	–	–	–	–								2.2		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–					"
7	12	–	–				–	–	–	–	–		–									0		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–					Rock
8	13	–	–				–	–					–									0		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–					Dump
9	2006 - 1	–	–	–			–	–	–	–		–	–	–	–	–	–	–	–	–	⊙	1.6		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–					
10	2	–	–				–	–	–	–		–	–	–	–	–	–	–	–	–	⊙	1.3		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–					
11	3	–	–				–	–	–	–		–	–	–	–	–	–	–	–	–	1"	0		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–					
12	4	–	–				–	–	–	–		–	–	–	–	–	–	–	–	–	⊙	0.3		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–					
13	5	–	–				–	–	–	–		–	–	–	–	–	–	–	–	–	1'	0.2		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–					
14	6	–	–				–	–	–	–		–	–	–	–	–	–	–	–	–	⊙	0.8		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–					
15	7	–	–				–	–	–	–		–	–	–	–	–	–	–	–	–	6"	0.4		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–					
16	8	–	–				–	–	–	–		–	–	–	–	–	–	–	–	–	⊙	0.1		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–					
17	9	–	–				–	–	–	–		–	–	–	–	–	–	–	–	–	⊙	0.2		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–					
18	10	–	–				–	–	–	–		–	–	–	–	–	–	–	–	–	4"	0.1		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–					
19	11	–	–				–	–	–	–		–	–	–	–	–	–	–	–	–	6"	0.7		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–					
20	12	–	–				–	–	–	–		–	–	–	–	–	–	–	–	–	⊙	0.0		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–					
21	13	–	–				–	–	–	–		–	–	–	–	–	–	–	–	–	1.5'	0.2		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–					
22	14	–	–				–	–	–	–		–	–	–	–	–	–	–	–	–	4"	1.7		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–					VN 4" wide
23	15	–	–				–	–	–	–		–	–	–	–	–	–	–	–	–	1.5	1.2		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–					
24	16	–	–				–	–	–	–		–	–	–	–	–	–	–	–	–	1'	1.3		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–					
25	17	–	–				–	–	–	–		–	–	–	–	–	–	–	–	–	6"	1.7		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–					
26	18	–	–				–	–	–	–		–	–	–	–	–	–	–	–	–	6"	0.8		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–					
27	19	–	–				–	–	–	–		–	–	–	–	–	–	–	–	–	4"	1.7		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–					
28	20	–	–				–	–	–	–		–	–	–	–	–	–	–	–	–	2"	0.8		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–					
29	21	–	–				–	–	–	–		–	–	–	–	–	–	–	–	–	1.5	3.1		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–					
30	22	–	–				–	–	–	–		–	–	–	–	–	–	–	–	–	⊙	2.3		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–					
31	23	–	–				–	–	–	–		–	–	–	–	–	–	–	–	–	⊙	5.0		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–			✓		
32	24	–	–				–	–	–	–		–	–	–	–	–	–	–	–	–	6'	1.8		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–			✓		
33	25	–	–				–	–	–	–		–	–	–	–	–	–	–	–	–	2'	0.9		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–			✓		
34	2007 - 1	–	–				–	–	–	–		–	–	–	–	–	–	–	–	–	2.5	0.0		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–			–		Backhoe trench in HW
35	Trench 3 2	–	–				–	–	–	–		–	–	–	–	–	–	–	–	–	⊙	1.1		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–			✓		"
36	3	–	–				–	–	–	–		–	–	–	–	–	–	–	–	–	1'	1.7		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–			✓		"
37	4	–	–				–	–	–	–		–	–	–	–	–	–	–	–	–	2'	0.8		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–			✓		
38	5	–	–				–	–	–	–		–	–	–	–	–	–	–	–	–	2'	0.0		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–			✓		
39	6	–	–				–	–	–	–		–	–	–	–	–	–	–	–	–	1.5	0.4		–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–		✓	✓		
40	7																				⊙	1.6		–	–	–	–	–	–	–	–	✗	–	–	–	–	–	–	–	–					
41																																													
42																																													
43																																													
44																																													
45																																													

GEOCHEMICAL SAMPLE NOTE PAD

Report Observations in percent

	Sample No. (coordinates)	ALTERATION: 2nd. Kspar	2nd. bio.	ser	qtz. vning	silif	anh	gyp	arg	car. vns.	car. ization	chl	alun	epi	cel	mblization	bleaching	woll	trem-act	diop	gar	MINERALIZATION: sphalerite	Feet of Sample	Ag	pyrite	chalcopyrite	bornite	molybdenite	galena	barite	wad min.	magnetite	specularite	Au Assay	Ag Assay	lim aft py	lim aft cpy	cu pitch	gzn CuOx	tenorite	smithsonite	lim aft sl	Fe moly	LEACHED CAPPING: gouge	REMARKS
1																																															
2	2001																																														
3																																															
4																																															
5																																															
6	2002																																														
7																																															
8																																															
9																																															
10	2003-1																						0.1																								VN cut by shaft & N. trend dozer cut.
11	2																						1.2																								
12	3																						0.9																								
13	4																						1.7																								
14	5																						0.2																								
15	6																						1.0																								
16	7																						0.2																								
17	8																						0.0																								
18	9																						0.3																								
19	10																						1.2																								
20	11																						0.1																								
21	12																						0.0																								
22	13																						0.0																								
23	14																						5.1																								
24	15																						1.4																								
25	16																						0.4																								
26	2004 1																						1.5																								Mustang VN - working from stoN & L to R in trench
27	Trench 1 2																						0.9												12												looking - that is Foot wall to hanging wall
28	" 3																						0.0																								
29	" 4																						1.1																								
30	" 5																						1.1																								
31	6																						0.9																								
32	7																						0.0																								
33	8																						0.0																								
34	9																						1.2																						✓		
35	10																						0.6																								
36	11																						0.7																								
37	12																						0.0																								
38	13																						1.1	0.3	2nd trench																						Those intervals look for ¢ in HW but may be PPT
39	14																						2.7	1.3																							exotic Ag in supergene sol
40	15																						3.7	0.1											Tr												
41	2005-1					90																	3.9												25												Trench 2 S+9 VN face - Spot
42	Trench 2																						1.6																								" " 5' channel
43	2 3																						1.5																								
44	4																						1.7																						✓		gouge
45	5																						0.0																								

GEOCHEMICAL SAMPLE NOTE PAD

Report Observations in percent

	Sample No. (coordinates)	ALTERATION: 2nd. Kspar	2nd. bio.	sef	qtz. vning	silic	anh	gyp	arg	car. vns.	car. ization	chl	alun	epi	cel	mobilization	bleaching	wall	trem-act	diop	gar	MINERALIZATION: sphalerite	pyrite	chalcopyrite	bornite	molybdenite	galena	barite	magnetite	specularite	LEACHED CAPPING: Au Assay	Ag Assay	lim aft py	lim aft cpy	cu pitch	grn CuOx	tenorite	smithsonite	lim aft sl	Fe moly	MnOx	youngs	REMARKS
1	2008-1	–	–		100		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	⊙	0.1	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–			Foot wall
2	Trench 2	–	–		→	50									–	–	–	–	–	–	–	1.5	0.8	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–			↓ Hanging wall
3	#4 3	–	–		→	50									–	–	–	–	–	–	–	1.0	0.9	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–			
4	4	–	–		→	"									–	–	–	–	–	–	–	1.5	0.1	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–			
5	5	–	–		→	"									–	–	–	–	–	–	–	2.	1.3	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	10			
6	6	–	–		→	30									–	–	–	–	–	–	–	1'	0.0	–	–	–	–	–	–	–	–	~~X~~	–	–	–	–	–	–	–	Tr			
7	7	–	–		→	?									–	–	–	–	–	–	–	1'	0.1	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	?			
8	8	–	–		→	50									–	–	–	–	–	–	–	1'	0.0	–	–	–	–	–	–	–	–	30	–	–	–	–	–	–	–	20			
9	9	–	–		→	"									–	–	–	–	–	–	–	0.5'	0.1	–	–	–	–	–	–	–	–	20	–	–	–	–	–	–	–	15			
10	10	–	–		→	"									–	–	–	–	–	–	–	1.2	1.7	–	–	–	–	–	–	–	–	20	–	–	–	–	–	–	–	10			
11	11	–	–		→	"									–	–	–	–	–	–	–	1.5	0.8	–	–	–	–	–	–	–	–	30	–	–	–	–	–	–	–	5			
12	12	–	–		→	"									–	–	–	–	–	–	–	1.5	0.5									10	–	–	–	–	–	–	–	5			
13	13	–	–		→	"																1.2	0.0									5	–	–	–	–	–	–	–	5			
14	14	–	–		→	60																1.0	0.5									10	–	–	–	–	–	–	–	10			
15	15	–	–		→	50																1.5	1.3									20	–	–	–	–	–	–	–	20			
16	16	–	–		→	"																2'	1.2									5	–	–	–	–	–	–	–	10			
17	17	–	–		→	"																1.5	0.6									10	–	–	–	–	–	–	–	20			
18	18	–	–		→	"																⊙	0									50	–	–	–	–	–	–	–	10			
19	19	–	–	–	→	"																⊙	0.7									50	–	–	–	–	–	–	–	10			
20	20	–	–	–	→	100									–	–	–	–	–	–	–	⊙	2.0									5	–	–	–	–	–	–	–	10			
21	21	–	–		100										–	–	–	–	–	–	–	⊙	0.9									1	–	–	–	–	–	–	–	10			1/2" Qtz vn
22	22	–	–			50									–	–	–	–	–	–	–	⊙	0.2									5	–	–	–	–	–	–	–	10			
23	23	–	–			80									–	–	–	–	–	–	–	2.5	0.6	–	–	–	–	–	–	–	–	10	–	–	–	–	–	–	–	20			Along face of vn in // cut
24	24	–	–			60									–	–	–	–	–	–	–	1'	1.0	–	–	–	–	–	–	–	–	30	–	–	–	–	–	–	–	20			
25	25	–	–			60									–	–	–	–	–	–	–	1'	2.1	–	–	–	–	–	–	–	–	20	–	–	–	–	–	–	–	20			
26	26	–	–			100									–	–	–	–	–	–	–	2'	2.4	–	–	–	–	–	–	–	–	10	–	–	–	–	–	–	–	5			
27	27	–	–			80									–	–	–	–	–	–	–	2'	1.5	–	–	–	–	–	–	–	–	20	–	–	–	–	–	–	–	20			
28	28	–	–			80									–	–	–	–	–	–	–	1.5	1.4	–	–	–	–	–	–	–	–	20	–	–	–	–	–	–	–	10			
29	29	–	–			70									–	–	–	–	–	–	–	1'	0	–	–	–	–	–	–	–	–	20	–	–	–	–	–	–	–	10			
30	30	–	–			40									–	–	–	–	–	–	–	.5	0	–	–	–	–	–	–	–	–	10	–	–	–	–	–	–	–	10			
31	2009-1	–	–		0	0									–	–	–	–	–	–	–	⊙	0.9	–	–	–	–	–	–	–	–	<5	–	–	–	–	–	–	–	–	X		Back hoe trench in HW-ggy part of vn
32	Trench 2	–	–		–	–									–	–	–	–	–	–	–	2'	2.0	–	–	–	–	–	–	–	–	5	–	–	–	–	–	–	–	2	X		
33	#5 3	–	–		–	–									–	–	–	–	–	–	–	1.5	1.1	–	–	–	–	–	–	–	–	11	–	–	–	–	–	–	–	11			
34	4	–	–		–	–									–	–	–	–	–	–	–	1	2.0	–	–	–	–	–	–	–	–	11	–	–	–	–	–	–	–	11			} vn
35	5	–	–		→	10									–	–	–	–	–	–	–	⊙	0.3	–	–	–	–	–	–	–	–	10	–	–	–	–	–	–	–	11			Narrow vn
36	6	–	–			10									–	–	–	–	–	–	–	2.5	0.3	–	–	–	–	–	–	–	–	5	–	–	–	–	–	–	–	11			
37	7	–	–			50									–	–	–	–	–	–	–	3'	2.9	–	–	–	–	–	–	–	–	20	–	–	–	–	–	–	–	5			wkly alt & fract HW - strange that we're seeing higher vals
38																																											in the wkly alt hanging wall.
39																																											
40																																											
41																																											
42																																											
43																																											
44																																											
45																																											

4/5/85

GEOCHEMICAL SAMPLE NOTE PAD

Report Observations in percent

	Sample No. (coordinates)	2nd. Kspar	2nd. bio.	ser	qtz. vning	silic	anh	gyp	arg	car. vns.	car. ization	chl	alun	epi	cel	mblization	bleaching	wol	trem-act	diop	gar	sphalerite	Ag-Pb-Zn	Oz Au	pyrite	chalcopyrite	bornite	molybdenite	galena	barite	wad min.	magnetite	specularite	Au Assay	Ag Assay	lim aft py	lim aft cpy	lim aft cc	cu pitch	grn CuOx	tenorite	smithsonite	lim aft sl	Fe mo sl	MNOX	gossan	REMARKS
1	2010-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	⊙	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
2	Trench 2	-	-	-	-	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1'	1.6	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-	-	-	-	-	2
3	#6 3	-	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1'	1.1	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-	-	-	-	5	-	-	-	3
4	4	-	-	-	-	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	⊙	0	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-	10	-	-	-	4
5	5	-	-	-	-	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	1.1	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-	-	-	-	10	-	-	-	5
6	6	-	-	-	-	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-	15	-	-	-	6
7	7	-	-	-	-	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1.2	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-	10	-	-	-	7
8	8	-	-	-	-	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	⊙	0.9	-	-	-	-	-	-	-	-	-	-	30	-	-	-	-	-	-	-	-	5	-	-	-	8
9	9	-	-	-	-	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	⊙	0.9	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	20	-	-	-	9
10	10	-	-	-	-	11	-	-	75	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	0	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	11	-	-	-	10
11	11	-	-	-	-	-	-	-	95	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1.7	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	5	-	X	-	11
12	12	-	-	-	-	-	-	-	95	-	-	-	-	-	-	-	-	-	-	-	-	-	⊙	3.5	-	-	-	-	-	-	-	-	-	-	—	-	-	-	-	-	-	-	-	10	-	X	-	12
13	13	-	-	-	-	50	-	-	50	-	-	-	-	-	-	-	-	-	-	-	-	-	4	1.5	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-	-	-	-	—	-	-	-	13
14	14	-	-	-	-	11	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	4	0.7	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-	10	-	-	Hanging Wall	14
15	15	-	-	-	-	20	-	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-		0.6	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-	-	-	-	5	-	-	-	15
16																																																16
17	2011-1	-	-	-	X	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	0.6	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	20	-	-	W Rib 10' shaft (vert) in Qtz VN - vuggy & iron stned	17
18	Shaft 2	-	-	-	X	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.4	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	2	-	-	N Rib	18
19	3	-	-	-	X	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	2.3	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-	5	-	-		19
20	4	-	-	-	X	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.6	0.0	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	10	-	-		20
21	5	-	-	-	X	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.6	1.9	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	11	-	-		21
22	6	-	-	-	X	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	⊙	1.2	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-	-	-	-	10	-	-	Qtz stringers in FW	22
23	7	-	-	-	X	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.6	-	-	-	-	-	-	-	-	-	-	—	-	-	-	-	-	-	-	-	20	-	-	HW	23
24	8	-	-	-	X	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	⊙	0.2	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-	2	-	-	"	24
25	9	-	-	-	X	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	⊙	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	Qtz VN - Lg Qtz xtls	25
26	10	-	-	-	X	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	⊙	0	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	20	-	-	E Rib	26
27	11	-	-	-	X	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	⊙	0.5	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	10	-	-	"	27
28	12	-	-	-	X	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	⊙	1.0	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	20	-	-		28
29	13	-	-	-	X	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.5	1.6	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	5	-	-	S Rib.	29
30	14	-	-	-		40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	0.5	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	10	-	-	" UN	30
31	15	-	-	-		80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.9	-	-	-	-	-	-	-	-	-	-	—	-	-	-	-	-	-	-	-	5	-	-	"	31
32	16	-	-	-	X	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	1.2	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-	10	-	-	Qtz Stringer 2" wide	32
33	17	-	-	-		50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	0.3	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	10	-	-	"	33
34																																																34
35	2012-1	-	-	-		0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	0.9	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	0	-	95	Shallow cut in front of timbered & Locked Adit	35
36	Adit 2	-	-			0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.	-	-	-	-	-	-	-	-	-	-	tr	-	-	-	-	-	-	-	-	30	-	X		36
37	collar 3	-	-			50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	0.9	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	0	-	-		37
38	4	-	-			11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	1.2	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	0	-	-		38
39																																																39
40	2013 1	-	-	-	X	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	0.1	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	5	-	-	Cap Magazine Scrap	40
41	2	-	-	-		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	0.8	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	11	-	-		41
42	3	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3'	0	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	11	-	-		42
43	4	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1'	0	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	11	-	-		43
44	5					80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	1.2	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-	0	-	-		44
45	6						-	-															⊙	17																							Dump	45
	7																							3.0																								
	8																							2.9																								

4/5/95 Tombstone
4:30 –

GEOCHEMICAL SAMPLE NOTE PAD

Report Obscurations in percent

	Sample No. (coordinates)	ALTERATION: 2nd. kspar	2nd. bio.	ser.	qtz. vning	silif	anh	gyp	arg	car. vns.	car. ization	chl	alun	epi	ca	mlization	bleaching	wall	trem-act	diop	gar	MINERALIZATION: sphalerite	Au Aa	Pb Ag	pyrite	chalcopyrite	bornite	molybdenite	galena	barite	wad min.	magnetite	specularite	Au-Assy	Ag Assy	lim aft py	lim aft cpy	cu pitch	gen CuOx	tenorite	smithsonite	lim aft sl	Fe moly sl	MnOx	LEACHED CAPPING: gouge	REMARKS	
1	2014 1	–	–	75	–	50	?	?	25	–	–	–	20	–	–	–	–	–	–	–	–	20	1.1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2	–	–	N trench working E to W - most samps on N	1
2	2	–	–	1		"			"	?	?	–		?	–	–	–	–	–	–	–	1.5	0.2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	wall	2
3	3	–	–	1					"						–	–	–	–	–	–	–	1.5	1.3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–		3
4	4	–	–	1					"						–	–	–	–	–	–	–	(·)	0.3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Chert-Granite? seam	4
5	5	–	–	"	5				"						–	–	–	–	–	–	–	1	0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2	–	–		5
6	6	–	–	"					"						–	–	–	–	–	–	–	2	0.4	–	–	–	–	–	–	–	–	–	–	–	5	–	–	–	–	–	–	–	–	–	–	–		6
7	7	–	–	"	50				"						–	–	–	–	–	–	–	1	1.9	–	–	–	–	–	–	–	–	–	–	–	5	–	–	–							–	–		7
8	8	–	–	"	"				"						–	–	–	–	–	–	–	2	0.3	–	–	–	–	–	–	–	–	–	–	–	5									10	–	–		8
9	9	–	–	"	"				"						–	–	–	–	–	–	–	2	1.2	–	–	–	–	–	–	–	–	–	–	–	0									20	–	–		9
10	10	–	–	"	"				"						–	–	–	–	–	–	–	1.5	0.7	–	–	–	–	–	–	–	–	–	–	–	0	–	–	–	–	–	–	–	–	11	–	–		10
11	11	–	–	"	"				"						–	–	–	–	–	–	–	2	1.2	–	–	–	–	–	–	–	–	–	–	–	0	–	–	–	–	–	–	–	–	11	–	–		11
12	12	–	–	"	"				"						–	–	–	–	–	–	–	1	1.1	–	–	–	–	–	–	–	–	–	–	–	2	–	–	–	–	–	–	–	–	30	–	–		12
13	13	–	–	"	"				"						–	–	–	–	–	–	–	5	2.5	–	–	–	–	–	–	–	–	–	–	–	10	–	–	–	–	–	–	–	–	5	–	–		13
14	14	–	–	"	"				"						–	–	–	–	–	–	–	(·)	0.7	–	–	–	–	–	–	–	–	–	–	–	10	–	–	–	–	–	–	–	–	0	–	–	N Side trench	14
15	15	–	–	"	"				"						–	–	–	–	–	–	–	(·)	0.2	–	–	–	–	–	–	–	–	–	–	–	11	–	–	–	–	–	–	–	–	11	–	–	" "	15
16	16	–	–	"	"				"						–	–	–	–	–	–	–	2	0.3	–	–	–	–	–	–	–	–	–	–	–	0	–	–	–	–	–	–	–	–	10	–	–	" " "	16
17	17	–	–	"	"				"						–	–	–	–	–	–	–	3	1.1	–	–	–	–	–	–	–	–	–	–	–	20	–	–	–	–	–	–	–	–	2	–	–		17
18	18	–	–	"	"				"						–	–	–	–	–	–	–	2	1.9	–	–	–	–	–	–	–	–	–	–	–	20	–	–	–	–	–	–	–	–	2	–	–		18
19	19	–	–	"	"				"						–	–	–	–	–	–	–	2.5	0.5	–	–	–	–	–	–	–	–	–	–	–	20	–	–	–	–	–	–	–	–	0	–	–		19
20	20	–	–	"	"				"						–	–	–	–	–	–	–	1.5	0	–	–	–	–	–	–	–	–	–	–	–	11	–	–	–	–	–	–	–	–	11	–	–		20
21	21	–	–	"	"				"						–	–	–	–	–	–	–	2	0.7	–	–	–	–	–	–	–	–	–	–	–	10	–	–	–	–	–	–	–	–	2	–	–		21
22	22	–	–	"	"				"						–	–	–	–	–	–	–	1	2.0	–	–	–	–	–	–	–	–	–	–	–	5	–	–	–	–	–	–	–	–	10	–	–		22
23	23	–	–	"	"				"						–	–	–	–	–	–	–	2	1.6	–	–	–	–	–	–	–	–	–	–	–	2	–	–	–	–	–	–	–	–	5	–	–		23
24	24	–	–	"	"				"						–	–	–	–	–	–	–	2	23	–	–	–	–	–	–	–	–	–	–	–	"	–	–	–	–	–	–	–	–	"	–	–		24
25	25	–	–	"	"				"						–	–	–	–	–	–	–	1	0.7	–	–	–	–	–	–	–	–	–	–	–	5	–	–	–	–	–	–	–	–	10	–	–		25
26	26	–	–	"	"				"						–	–	–	–	–	–	–	2	1.1	–	–	–	–	–	–	–	–	–	–	–	"	–	–	–	–	–	–	–	–	"	–	–		26
27	27	–	–	"	"				"						–	–	–	–	–	–	–	.5	1.5	–	–	–	–	–	–	–	–	–	–	–	0	–	–	–	–	–	–	–	–	20	–	–		27
28	28	–	–	"	"				"						–	–	–	–	–	–	–	1	1.3	–	–	–	–	–	–	–	–	–	–	–	0	–	–	–	–	–	–	–	–	20	–	–		28
29	29	–	–	"	"				"						–	–	–	–	–	–	–	1.5	0.5	–	–	–	–	–	–	–	–	–	–	–	0	–	–	–	–	–	–	–	–	"	–	–		29
30	30	–	–	"	"				"						–	–	–	–	–	–	–	2.5	0.2	–	–	–	–	–	–	–	–	–	–	–	0	–	–	–	–	–	–	–	–	"	–	–		30
31	31	–	–	"	"				"						–	–	–	–	–	–	–	10	0.1	–	–	–	–	–	–	–	–	–	–	–	2	–	–	–	–	–	–	–	–	5	–	–	100 sec read time	31
32	32	–	–	"	"				"						–	–	–	–	–	–	–	5	1.4	–	–	–	–	–	–	–	–	–	–	–	"	–	–	–	–	–	–	–	–	0	–	–		32
33	33	–	–	"	"				"						–	–	–	–	–	–	–	2	0	–	–	–	–	–	–	–	–	–	–	–	"	–	–	–	–	–	–	–	–	0	–	–		33
34	34	–	–	"	"				"						–	–	–	–	–	–	–	3	1.1	–	–	–	–	–	–	–	–	–	–	–	2	–	–	–	–	–	–	–	–	2	–	–		34
35	35	–	–	"	"				"						–	–	–	–	–	–	–	(·)	23	–	–	–	–	–	–	–	–	–	–	–	10	–	–	–	–	–	–	–	–	10	–	–		35
36	36	–	–	"	"				"						–	–	–	–	–	–	–	4	0.5	–	–	–	–	–	–	–	–	–	–	–	5	–	–	–	–	–	–	–	–	10	–	–		36
37	37	–	–	"	"				"						–	–	–	–	–	–	–	7	1.1	–	–	–	–	–	–	–	–	–	–	–	5	–	–	–	–	–	–	–	–	20	–	–		37
38	38	–	–	"	"				"						–	–	–	–	–	–	–	3.5	1.7	–	–	–	–	–	–	–	–	–	–	–	2	–	–	–	–	–	–	–	–	10	–	–		38
39	39	–	–	"	"				"						–	–	–	–	–	–	–	3	0.9	–	–	–	–	–	–	–	–	–	–	–	"	–	–	–	–	–	–	–	–	1	–	–	bx	39
40	40	–	–	"	"				"						–	–	–	–	–	–	–	3	0.2	–	–	–	–	–	–	–	–	–	–	–	0	–	–	–	–	–	–	–	–	5	–	–		40
41	41	–	–	"	10				"						–	–	–	–	–	–	–	2	0	–	–	–	–	–	–	–	–	–	–	–	0	–	–	–	–	–	–	–	–	5	X			41
42	42	–	–	"	"				"						–	–	–	–	–	–	–	2.5	0.6	–	–	–	–	–	–	–	–	–	–	–	"	–	–	–	–	–	–	–	–	"	X			42
43	43	–	–	"	"				"						–	–	–	–	–	–	–	1.5	0	–	–	–	–	–	–	–	–	–	–	–	"	–	–	–	–	–	–	–	–	"	X			43
44	44	–	–	"	"				"						–	–	–	–	–	–	–	1.5	23	–	–	–	–	–	–	–	–	–	–	–	"	–	–	–	–	–	–	–	–	10	–	–		44
45	45	–	–	"	"				"						–	–	–	–	–	–	–	.5	0	–	–	–	–	–	–	–	–	–	–	–	"	–	–	–	–	–	–	–	–	30	–	–		45

(47)

2,2

GEOCHEMICAL SAMPLE NOTE PAD

Report Observations in percent

	Sample No. (coordinates)	ALTERATION 2nd. kspar	2nd. blo.	ser.	qtz. vnlg	silif.	anh.	gyp.	arg.	car. vns.	car. ization	chl.	alun.	epi.	cel.	mblization	bleaching	wolf.	trem-act.	diop.	gar.	MINERALIZATION sphalerite	Zn %	Oz Ag	pyrite	chalcopyrite	bornite	molybdenite	galena	barite	wad min.	magnetite	specularite	LEACHED CAPPING Au Assay	Au Assay	lim aft py	lim aft cpy	lim aft cc	cu pitch	grn CuOx	tenorite	smithsonite	lim aft sl	Fe moly	MnOx	REMARKS	
1	2014-46	-	-	70	50			25														2	1.4												5										10		Continue in Trench - E	1
2	47	-	-	1	1			1														2.5	0												5										10			2
3	48	-	-	1	1			1														1.5	0												0										20			3
4	49	-	-	1	1			1														.5	0.1												5										"		bx	4
5	50	-	-	1	1			1														3	1.1												5										10		bx	5
6	51	-	-																			2.6	1.2																										6
7	52	-	-																			2	.8																										7
8	53	-	-																			2	.3																										8
9	54																					1.5	0.6																										9
10	55																					2	1.9																										10
11	56																					6.5	0.3																										11
12	57																					3.5	0.1																										12
13	58																					3.5	0.2																										13
14	59																					1	0.7																										14
15	60																					1	1.9																										15
16	61																					1.6	1.8																										16
17	62																					6	0.4																										17
18	63																					3	1.1																										18
19	64																					3.2	0.1																										19
20	65																					6	1.0																										20
21	66																					3.5	0																										21
22	67																					2.3	0.4																										22
23	68																					2.7	0.7																										23
24	69																					0	1.6																										24
25	70																					2.5	1.2																										25
26	71																					4.3	0.4																										26
27	72																					0.5	.7																										27
28	73																					5.5	0																										28
29	74																					3.5	1.4																										29
30	75																					3.7	3.0																										30
31	76																					1	0.1																										31
32	77																					0.3	0.6																										32
33	78																					0.6	0.8																										33
34	79																					1.9	0																										34
35	80																					1.5	0																										35
36	81																					1.3	1.0																										36
37	82																					4.2	0																										37
38	83																					0	0.7																										38
39	84																					1	0																										39
40	85																					3	0.9																										40
41	86																					3	1.6																										41
42	87																					0	1																										42
43	88																					5.5	0.4																										43
44	89																					1	0.2																										44
45	90																					3.2	0.4																										45

GEOCHEMICAL SAMPLE NOTE PAD

Report Observations in percent

	Sample No. (coordinates)	ALTERATION: 2nd. Kspar	2nd. bio.	ser	qtz. vnlng	silic	anh	gyp	arg	car. vns.	car. ization	chl	alun	epi	cel	mblization	bleaching	wolf	trem-act	dtop	gal	MINERALIZATION: sphalerite	sa-p-ly	qz-py	pyrite	chalcopyrite	bornite	molybdenite	galena	barite	wad	min.	magnetite	specularite	Au Assy	Ag Assy	lim aft py	lim aft cpy	lim aft cc	cu pitch	qzn Cuox	tenorite	smithsonite	lim aft sl	Fe moly	REMARKS	
1	2014-91																					5.5																											1
2	92																					4.2																											2
3	93																					7.5																											3
4	94																					4																											4
5	95																					3.5																											5
6	96																					2.5																											6
7	97																					4.3																											7
8	98																					3.2																											8
9	99																					4.8																											9
10	100																					2																											10
11	101																					2.4																											11
12	102																					1																											12
13	103																					3.5																											13
14	104																					3.5																											14
15	105																					1.5																											15
16	106																					6																											16
17	107																					2.5																											17
18	108																					3																											18
19	109																					6.5																											19
20	110																					2																											20
21	111																					3																											21
22	112																					2																											22
23	113																					2.3																											23
24	114																					3																											24
25	115																					4																											25
26	116																					4																											26
27	117																					2																											27
28	118																					3.5																											28
29	119																					2.8																											29
30	120																					⊙																											30
31	121																					1.5																											31
32	122																					1.1																											32
33	123																					5.3																											33
34	124																					2.4																											34
35	125																					2.4																											35
36	126																					2.5																											36
37	127																					2																											37
38	128																					4																											38
39	129	–	–	20			–	–	75													3.5	0.6																											39
40	130																					6	1.4																											40
41	131																					3	2.1																											41
42	132																					5	0																											42
43	133																					1	0.7																											43
44	134																					5	0.9																											44
45	135																					1.5	0.2																											45

19' of sand
w/ish cover
between 129 & 130

3'

4/6/85 Tombstone P-101-1 N trench Most assays 6-10' below surface - Prob. avg 5'

GEOCHEMICAL SAMPLE NOTE PAD

Report Observations in percent

	Sample No. (coordinates)	ALTERATION: 2nd. Kspar	2nd. bio.	ser.	qtz. vning	silif	anh	gyp	arg	car. vns.	car. ization	alun	epi	cel	mbilization	bleaching	wolf	trem-act	chlor	gal.	MINERALIZATION: sphalerite	Sample length	Oz Au	pyrite	chalcopyrite	bornite	molybdenite	galena	barite	wad min.	magnetite	specularite	Au-Assy	Ag-Assy	lim aft py	lim aft cpy	lim aft cc	cu pitch	grn CuOx	tenorite	smithsonite	lim aft sl	Fe moly	LEACHED CAPPING	REMARKS
1	2014 136																				2	0.3																									
2	137																				5	0.5																								N face	
3	138																				2	1.1																								" "	
4	139																				1	0.9																								" "	
5	140																				1.5	0.5																								" "	
6	141																				3	0.7																								" "	
7	142																				4	0.5																								" "	
8	143																				4	0.1																								S face	
9	144																				2	0.7																								" "	
10	145																				1	2.0																								" "	
11	146																				0.5	1.2	10.5' > 1oz																							" "	
12	147																				3	1.8																								" "	
13	148																				4	2.5																								" "	
14	149																				3	0.6																								" "	
15	150																				1.5	0																								" "	
16	151																				0.5	0.7																								" "	
17	152																				1	0																								" "	
18	153																				0.5	1.9																								" "	
19	154																				3	0																								N face	
20	155																				3	1.2																									
21	156																				2	0.6																									
22	157																				2	0																									
23	158																				4	1.1																									
24	159																				2.5	0.3	12' > 1oz																								
25	160																				2	1.7																									
26	161																				3.5	1.5																									
27	162																				1.5	0.7	20' > 1oz																								
28	163																				1.5	0.9																									
29	164																				5	2.4																									
30	165																				3	1.1																									
31	166																				2	0.8	28' > 1oz																								
32	167																				3	1.9																									
33	168																				3	0.2																									
34	169																				6	0.5																									
35	170																				⊙	0																									
36	171																				4	2.0																								Less alt rk - looks poor - could we be getting PPT of	
37	172																				4	0.2	12' > 1																							exotic Ag - - or matrix effect	
38	173																				3	1.5																									
39	174																				2.5	0.2																									
40	175																				3	0.8																									
41	176																				3	0																									
42	177																				6	0.3																									
43	178																				4	0.5																									
44	179																				⊙	0.5																									
45	180																				6	1.1																									

Tombstone Az P.105-1
4/6/85 MAP sampling by Dave Adams,
Western Expl.

GEOCHEMICAL SAMPLE NOTE PAD

Report Observations in percent

	Sample No. (coordinates)	ALTERATION: 2nd. Kspar	2nd. bio.	ser	qtz. vning	silif	anh	gyp	arg	car. vns.	car. ization	chl	alun	epi	cal	mblization	bleaching	wolf	trem-act	diop	gal	MINERALIZATION: sphalerite	Length of Sample	Oz Ag	pyrite	chalcopyrite	bornite	molybdenite	galena	barite	wad min.	magnetite	specularite	Au Assay	Ag Assay	LEACHED CAPPING: lim aft py	lim aft cpy	lim aft cc	cu pitch	grn CuOx	tenorite	smithsonite	lim aft sl	Fe moly	REMARKS
1	2014 181	—																				1	1.4																								
2	182																					1.5	.3																								
3	183																					6	.9																								
4	184																					1	.8																								
5	185																					5	.6																								
6	186																					2	.9																								
7	W END OF TRENCH																																														

Tombstone Az P-101-1 Ag MAP Assaying GEOCHEMICAL SAMPLE NOTE PAD
by Dan Adams - Western Zapl. Report Observations in percent
4/6/85 S Trench sampling E-W

	Sample No. (coordinates)	ALTERATION: 2nd. kspar	2nd. bio.	ser.	qtz. vning	silif	anh	gyp	arg	car. vns.	car. ization	chl	alun	epi	cel	mblization	bleaching	wolfning	trem-act	drop	gar	MINERALIZATION: sphalerite	Length of Samp	Assay in oz/t	pyrite	chalcopyrite	bornite	molybdenite	galena	barite	wad min.	magnetite	specularite	LEACHED CAPPING: Au-Assay	Ag Assay	lim aft py	lim aft cpy	lim aft cc	cu pitch	grn CuOx	tenorite	smithsonite	lim aft sl	Fe moly	REMARKS	
1	2015-1																					6	0																									1
2	2																					2.5	0																									2
3	3																					5	.5																									3
4	4																					1.6	1.3																									4
5	5																					4	.5																									5
6	6																					2	.5																									6
7	7																					⊙	.7																									7
8	8																					⊙	0																									8
9	9																					3.5	0																									9
10	10																					1.5	.8																									10
11	11																					2.5	.1																									11
12	12																					2.1	.9																									12
13	13																					2.8	.6																									13
14	14																					0.5	1.1																									14
15	15																					1	2.1																									15
16	16																					1.5	1.8																									16
17	17																					3.2	.2																									17
18	18																					2.5	0																									18
19	19																					7	.1																									19
20	20																					6	2.2																									20
21	21																					3.7	1.2																									21
22	22																					7	.9																									22
23	23																					2	.8																									23
24	24																					2	1.9																									24
25	25																					5	.1																									25
26	26																					7.3	.1																									26
27	27																					3.4	.3																									27
28	28																					3	0																									28
29	29																					1.9	0																									29
30	30																					4	.9																									30
31	31																					1.8	.2																									31
32	32																					2.5	0																									32
33	33																					4.7	1.4																									33
34	34																					8	.1																									34
35	35																					7.9	1.7																									35
36	36																					1.5	.2																									36
37	37																					1.3	.1																									37
38	38																					4	1.2																									38
39	39																					5.5	1.5																									39
40	40																					6	1.7																									40
41	41																					⊙	.2																									41
42	42																					3.5	2.4																									42
43	43																					4.5	0																									43
44	44																					2	0																									44
45	45																					1.2	0																									45

Pg 2g
S Trench

GEOCHEMICAL SAMPLE NOTE PAD

Report Observations in percent

	Sample No. (coordinates)	ALTERATION: 2nd. Kspar	2nd. blo.	ser	qtz. vnlng	silif	anh	gyp	arg	car. vns.	car. ization	chl	alun	epi	cel	mblization	bleaching	wolf	trem-act	diop	gar	MINERALIZATION: sphalerite	Length of Sample	Oz Au	pyrite	chalcopyrite	bornite	molybdenite	galena	barite	wad min.	magnetite	specularite	LEACHED CAPPING: Au Assay	Ag Assay	lim aft py	lim aft cpy	lim aft cc	cu pitch	grn CuOx	tenorite	smithsonite	lim aft sl	Fe moly	REMARKS	
1	2015-46																						3	0																									1
2	47																						2.4	0																									2
3	48																						2	.9																									3
4	49																						4.5	.3																									4
5	50																						9	1.8																									5
6	51																						3	.1																									6
7	52																						5.5	1.4																									7
8	53																						0.6	0																									8
9	54																						2.5	.1																									9
10	55																						6.6	.7																									10
11	56																						0.4	.9																									11
12	57																						2.6	0																									12
13	58																						4.5	1.																									13
14	59																						2.8	.2																									14
15	60																						1.5	1.9																									15
16	61																						5'	1.2																									16
17	62																						5'	0																									17
18	63																						5'	1.4																									18
19	64																						5'	.25																									19
20	65																						5'	0																									20
21	66																						2.5	0																									21
22	67																						5	.2																									22
23	68																						3	1.0																									23
24	69																						4	0																									24
25	70																						6	0																									25
26	71																						3	1.5																									26
27	72																						3.5	.7																									27
28	73																						3	0																									28
29	74																						2	1.4																									29
30	75																						2	.7																									30
31	76																						1.5	0																									31
32	77																						3	.3																									32
33	78																						2.5	.6																									33
34	79																						5	.5																									34
35	80																						2	1.1																									35
36	81																						5	0																									36
37	82																						5	2.1																									37
38	83																						6	1.0																									38
39	84																						4	.7																									39
40	85																						4	0																									40
41	86																						5	0																									41
42	87																						4	1.3																									42
43	88																						4.5	.5																									43
44	89																						5	.6																									44
45	90																						1.5	1.2																									45

dirt

Dirt

Dirt 4 to 1 over RK

Dirt " " "

1" x 1

Bal

GEOCHEMICAL SAMPLE NOTE PAD

Report Observations in percent

	Sample No. (coordinates)	ALTERATION: 2nd. kspar	2nd. bio.	ser.	qtz. vnlg	silif	anh	gyp	arg	car. vns.	car. ization	chl	alun	epi	cel	mblization	bleaching	wolf	trem-act	diop	gar	MINERALIZATION: sphalerite	%	pyrite	chalcopyrite	bornite	molybdenite	galena	barite	wad min.	magnetite	specularite	Au Assay	Ag Assay	lim aft py	lim aft cpy	lim aft cc	cu pitch	grn CuOx	tenorite	smithsonite	lim aft sl	Fe moly	REMARKS	
1	201591																					4	0																								1
2	92																					4.5	0.8																								2
3	93																					3	0																								3
4	94																					3	0.6																								4
5	95																					3	1.0																								5
6	96																					5.5	0.6																								6
7	97																					6	0.4																								7
8	98																					3	1.3																								8
9	99																					5	0.5																								9
10	100																					5	0																								10
11	101																					4	0.2																								11
12	102																					4	0																								12
13	103																					5	0.1																								13
14	104																					3	0																								14
15	105																					5	1.4	12'×1																							15
16	106																					7	1.8																								16
17	107																					5	0																								17
18	108																					4.5	0.7																								18
19	109																					5.5	1.0																								19
20	110																					3.5	0.2																								20
21	111																					6	0.4																								21
22	112																					4	0																								22
23	113																					3.5	1.0																								23
24	114																					6.	1.1	15'×1																							24
25	115																					6	1.2																								25
26	116																					6	0.3																								26
27	117																					6	1.2																								27
28	118																					5	0.4																								28
29	119																					3	1.7																								29
30	120																					4	0.4																								30
31	121																					1.2	1.1																						Anode dPo - leached CT		31
32	122																					1.5	0																						" " - less leached - but iron stained		32
33	123																					5	1.1																						" " - central position - weathered		33
34	124																					4	0.6																						" " " " "		34
35	125																					6.5	0																						" " " " "		35
36	126																					6	0																						" " " "		36
37	127																					5	0																						" " " stnly bl/stained		37
38	128																					4	0.2																						" " " " "		38
39	129																					5	0																						" " " " "		39
40	W End of Trench																																															40
41																																																41
42																																																42
43																																																43
44																																																44
45																																																45

GEOCHEMICAL SAMPLE NOTE PAD

Report Observations in percent

	Sample No. (coordinates)	ALTERATION: 2nd. Kspar	2nd. bio.	ser	qtz. vning	silif.	anh	gyp	arg	car. vns.	car. ization	chl	alun	epi	cel	mblization	bleaching	woll	trem-act	diop	gal	MINERALIZATION: sphalerite	3 Amp Assay Ag oz	Ag Assay	pyrite	chalcopyrite	bornite	molybdenite	galena	barite	wad min.	magnetite	specularite	LEACHED CAPPING: Au Assy	Ag Assy	lim aft py	lim aft cpy	lim aft cc	cu pitch	grn CuOx	tenorite	smithsonite	lim aft sl	Fe moly	REMARKS	
1	3016-1																					1.5	0.8																										1
2	2																					2.5	1.3																										2
3	3																					1.5	3.1																										3
4	4																					2.5	0.3																										4
5	5																					2.8	0.8																										5
6	6																					1.5	1.3																										6
7	7																					2	0.8																										7
8	8																					0.5	1.0																										8
9	9																					0.8	1.2																										9
10	10																					1.2	1.3																										10
11	11																					1	0.4																										11
12	12																					2	0.3																										12
13	13																					1.5	1.0																										13
14	14																					1.8	1.8																										14
15	15																					2.9	0.8																										15
16	16																					2.5	1.7																										16
17	17																					5	0.5																										17
18	18																					0.6	0.8																										18
19	19																					3.2	2.0																										19
20	20																					4	0.0																										20
21	21																					7.5	0.8																										21
22	22																					7	0.3																										22
23	23																					5.2	0.0																										23
24	24																					1	1.3																										24
25	25																					4	0.9																										25
26	26																					2.5	0.9																										26
27	27																					2.6	0.9																										27
28	28																					0.4	1.6																										28
29	29																					1.5	6.1																										29
30	30																					2.5	1.6																										30
31	31																					2	1.0																										31
32	32																					5	0.9																										32
33	33																					1	1.5																										33
34	34																					10	0																										34
35	35																					10	0																										35
36	36																					C'	1.5																										36
37	37																					7'	3.8																										37
38	38																					3.5	0.8																										38
39	39																					10	0.7																										39
40	40																					2	1.2																										40
41	41																					4	0																										41
42	42																					4	0																										42
43	43																					.5	1.8																										43
44	44																					2.5	2.5																										44
45	45																					2	0.3																										45

Tombstone Az - P-111-1 Charleston Lead Mine
Silver MAP assays in CLM P11

GEOCHEMICAL SAMPLE NOTE PAD
Report Observations in percent

	Sample No. (coordinates)	ALTERATION: 2nd. Kspar	2nd. plg.	ser	qtz. vning	silif	anh	gyp	arg	car. vns.	car. ization	chl	alun	epi	ca	mblization	bleaching	wolf	trem-act	diop	gar	MINERALIZATION: sphalerite	sample wgt.	Ag in oz/T	pyrite	chalcopyrite	bornite	molybdenite	galena	barite	wad min.	magnetite	specularite	LEACHED CAPPING: Au Assay	Ag Assay	lim aft py	lim aft cpy	lim aft cc	cu pitch	grn CuOx	tenorite	smithsonite	lim aft sl	Fe moly	REMARKS	
1	3016-46																					1.5	1.7																										1
2	47																					4	20																										2
3	48																					13	0																										3
4	49																					2.5	1.9																										4
5	50																					3	1.1																										5
6	51																					1	0.3																										6
7	52																					5	0.2	This may be taken																									7
8	53																					5	1.3	along strike																									8
9	54																					2	1.6																										9
10	55																					2.5	1.2																										10
11	56																					5.5	1.2																										11
12	57																					6	1.6																										12
13	58																					4.5	0																										13
14	59																					2.5	1.2																										14
15	60																					1	0																										15
16	61																					2	1.4																										16
17	62																					2	0.6																										17
18	63																					1	0.9																										18
19	64																					0.5	1.3																										19
20	65																					0.5	0.6																										20
21	66																					1	4.7																										21
22	67																					1	4.9																										22
23	68																					5	1.2																										23
24	69																					6	1.6																										24
25	70																					2	0																										25
26	71																					1.5	1.2																										26
27	72																					5	0.3																										27
28	73																					3	0.8																										28
29	74																					5	1.9																										29
30	75																					3	0.7																										30
31	76																					4	3.4																										31
32	77																					3	2.4	23 NE face																									32
33	78																					3	2.5																										33
34	79																					3	4.7																										34
35	80																					1	0.1																										35
36	81																					3	1.4																										36
37	82																					3	5.1																										37
38	83																					2.5	3.3																										38
39	84																					0.5	6.1																										39
40	85																					2	2.9																										40
41	86																					1	0.6																										41
42	87																					7	0.5																										42
43	88																					1	1.1	Bench above #75																									43
44	89																					2	0.8																										44
45	90																					0.5	0																										45

1/7/85

Tombstone Az. P-111 Charleston Lead Mine
silver MAP channel assays w/ Dan Adams

GEOCHEMICAL SAMPLE NOTE PAD

Report Observations in percent

	Sample No. (coordinates)	ALTERATION: 2nd. Kspar	2nd. bio.	ser	qtz. vning	silf	anh	gyp	arg	car. vns.	car. ization	chl	alun	epi	cel	mblization	bleaching	woll	trem-act	dtop	gar	MINERALIZATION: sphalerite	Lead % of sample	Au oz/T	pyrite	chalcopyrite	bornite	molybdenite	galena	barite	wad min.	magnetite	specularite	LEACHED CAPPING: Au-Assay	Ag Assay	lim aft py	lim aft cpy	lim aft cc	cu pitch	grn CuOx	tenorite	smithsonite	lim aft sl	Fe moly	REMARKS	
1	3016 - 91																					1.5	1.3																									1
2	92																					1	0.9																									2
3	93																					3	2.6		above #76																							3
4	94																					1.5	1.2																									4
5	95																					2	0.6																									5
6	96																					4	1.9		above 82																							6
7	97																					5	0.6																									7
8	98																					5	0																									8
9	99																					1	1.0																									9
10	100																					6	0																									10
11	101																					4	0.2																									11
12	102																					3	0																									12
13	103																					1	2.4																									13
14	104																					2	3.4																									14
15	105																					4	0																									15
16	106																					3	0																									16
17	107																					7	0																									17
18	108																					6	0.5																									18
19	109																					2	1.2																									19
20	110																					3	0.3																									20
21	111																					2	0																									21
22	112																					4	0																									22
23	113																					2	0																									23
24	114																					1.5	0.1																									24
25	115																					2	0.7																									25
26	116																					1	1.8		Fr. Gnpla																							26
27	117																					1	0.1																									27
28	118																					1.5	0.6																									28
29	119	—	—	X	X																	(·)	1.6	X																								29
30	120			X	X																	(·)	2.2	10%	} These 2 Qtz pyser VNS																							30
31	121			X	X																	(·)	0	10	} only 8" apart																							31
32	122			X	X																	3	0			This across VNS above																						32
33	123			X	X																	6	0			Between 40 & 41																						33
34	124																					2.5	1.0			Between 41 & 42																						34
35	125																					3	0.1			Between 67 & 68																						35
36	126																						0.5																									36
37	127																						0.6																									37
38	128																						0.7																									38
39	129																						0.3																									39
40	130																						0.2																									40
41	131																					6	1.0																									41
42	132																					.5	0.5																									42
43	133																					10	0.3																									43
44	134																					2	0.7																									44
45	135																					6	1.5																									45

GEOCHEMICAL SAMPLE NOTE PAD

Report Observations in percent

	Sample No. (coordinates)	ALTERATION: 2nd. Kspar	2nd. bio.	set	qtz. vning	silif	anh	gyp	arg	car. vns.	car. ization	chl	alun	epi	cel	mblization	bleaching	wolf	trem-act	diop	gaf	MINERALIZATION: sphalerite	Lead Zinc	Au Ag	pyrite	chalcopyrite	bornite	molybdenite	galena	barite	wad min.	magnetite	specularite	LEACHED CAPPING: Au-Assay	Ag-Assay	lim dft py	lim aft cpy	lim aft cc	cu pitch	grn CuOx	tenorite	smithsonite	lim aft sl	fe moly	REMARKS
1	3016 1136																					6	0																								
2	137																					1/5	0																								
3	138																					5	0																								
4	139																					6	0.8																								
5	140																					4	0	HW CLM VN																							
6	141																					2	0.9																								
7	142																					2	0.9																								
8	143																					3	0.7																								
9	144																					4	0.8																								
10	145																					2	0																								
11	146																					2	1.0																								
12	147																					2	0.5	CLM VN																							
13	148																					1	0.5																								
14	149																					2	0.6																								
15	150																					5	1.2																								
16	151																					1	0.7																								
17	152																					1	2.5																								
18	153																					2	0.6																								
19	154																					0.5	0.7																								
20	155																					5	2.1	FW CLM VN																							
21	156																					(5)	2.2	Muck pile 20% SN																							
22																																															
23																																															
24																																															
25																																															
26																																															
27																																															
28																																															
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