

CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
3550 N. Central Ave, 2nd floor
Phoenix, AZ, 85012
602-771-1601
http://www.azgs.az.gov
inquiries@azgs.az.gov

The following file is part of the John E. Kinnison mining collection

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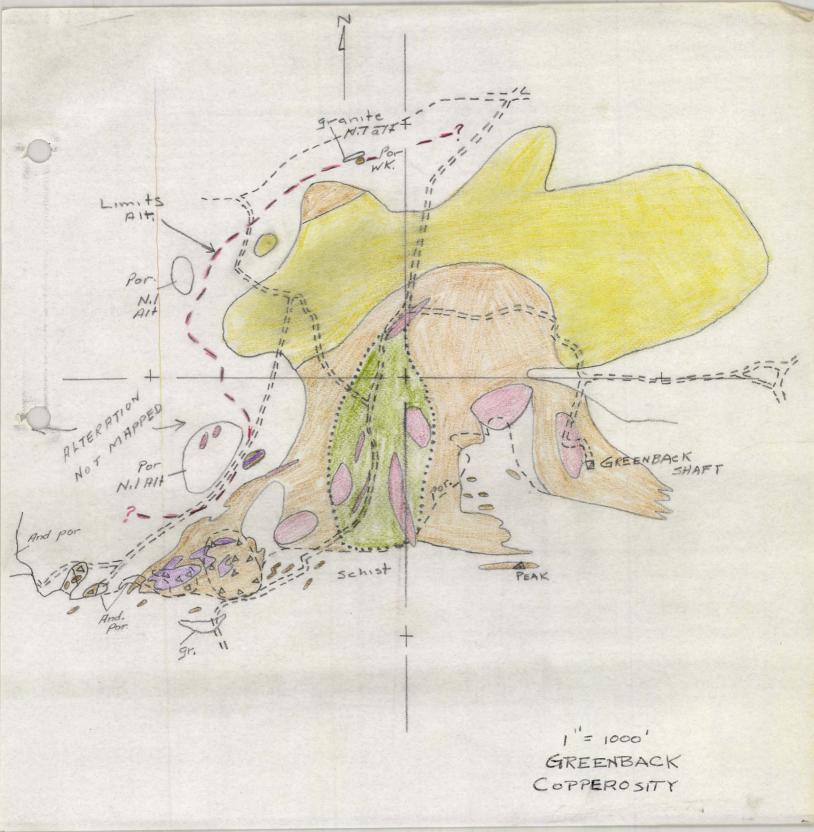
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AMERICAN SMELTING AND REFINING COMPANY Tucson Arizona

April 4, 1969

T0:

J.H. Courtright

FROM:

J.E. Kinnison

Papago Central Exploration Copperosity Greenback Mine Pinal County, Arizona

Geochemical and spectrographic results are now available for the central and east part of the Greenback altered zone. Results confirm earlier individual analysis, and add nothing new. Composite G reports > 1000 ppm Cu, representing the central anomalous copper-silica zone. Lead and zinc are 118 and 154 ppm respectively, which is above background. Mercury is <1 ppm.

Thus, data have not been significantly changed since my verbal presentation earlier this week.

JEK: 1zb

cc: WESaegart

SRDavis JDSell RDKarvinen LJJansen

J.E.K.

AMERICAN SMELTING AND REFINING COMPANY Tucson Arizona

MAR 1 ... 1969

March 12, 1969

TO: W.E. Saegart

FROM: J.E. Kinnison

Papago Central Exploration Greenback Area

Mr. Sell and you visited the Greenback area with me on February 11, 1969, and examined live limonite in a bleached porphyry about $\frac{1}{2}$ mile southwest of the Greenback town. You will recall that there was a churn drill hole at this location and that we had lunch there.

I tested the maroon limonite at the Arizona Bureau of Mines on the visual spectograph, which showed that no copper was present. Therefore, the limonite is not likely to have been derived from copper sulfide, a conclusion more in keeping with the drill hole cuttings which showed pyrite only.

JEK: 1zb

cc: JHCourtright

JDSel1



Registered Assayers

HAWLEY & HAWLEY

ASSAYERS AND CHEMISTS, INC.

1700 WEST GRANT ROAD

ACCAMERICAN SMELTING & REFINING COMPARECEIVED 3/18/69

TELEPHONE 622-4836 - POST OFFICE BOX 5934

TUCSON, ARIZONA 85703

THE SOUTHWEST'S LEADING ASSAYERS AND REPRESENTATIVES

J.E.K.

Branch Representatives at Buyer's Plants: Phelps Dodge Corp., Douglas, Arizona; ASARCO, El Paso, Amarillo, Texas and Hayden, Arizona

APR DA 1000

TUC 342539-

IDENTIFICATION		Gold Silve	er (XX	Lead Copper %	XXXInc XXXXXX	х		
ELEMENT:		Composite A	1:	Composite B:	ELEMENT:	Comp A	\:	Comp
Silver *	<	0.0005%	<	0.0005%	Nickel*	< 0.01%	<	0.01
Aluminum		3.2		3.6	Phosphorus	< 0.1	<	0.1
Arsenic *	<	0.01	<	0.01	Lead	0.03		0.02
Boron	<	0.001	<	0.001	Rubidium *	< 0.1	<	0.1
Barium		0.73		0.35	Antimony *	< 0.01	<	0.01
Beryllium *	<	0.0001	V	0.0001	Silicon	26.00		25.00
Bismuth ☆	<	0.001	<	0.001	TIn*	< 0.001	<	0.00
Calcium		0.85		0.63	Strontium	< 0.01	<	0.01
Cadmium &	<	0.01	<	0.01	Tantalum *	< 0.1	<	0.1
Cerium *	<	0.01	<	0.01	Tellurium *	< 0.01	<	0.01
Cobalt		0.035		0.04	Thorium *	< 0.1	<	0.1
Chromium		0.03		0.02	Titanium	0.068		0.05
Cesium *	<	0.1	<	0.1	Thallium *	< 0.1	<	0.1
Copper		0.007		0.008	Uranium ≉	< 0.1	<	0.1
Iron		1.6		1.3	Vanadium	0.06		0.06
Gallium *	<	0.01	<	0.01	Tungsten	< 0.1	<	0.1*
Germanium *	<	0.001	<	0.001	Zinc*	< 0.01	<	0.01
Indium *	<	0.001	<	0.001	Zirconium	0.06		0.04
Potassium *	<	1.0	<	1.0	Gold *	< 0.005	<	0.00
Lithium	<	0.01	<	0.01	Molybdenum	< 0.001	<	0.00
Magnesium		2.3		2.2				
Manganese		0.6		0.55				
Sodium		0.85		0.73	* Not detect	ed		
Niobium	<	0.03	<	0.03				
American Smelting & R	efini	ng Company	R	EMARKS:	Analysis Cert.	Ву		
P. O. Box 5795 DD Tucson, Arizona 85703 TY: Attn: Mr. John E. Kinnison			R	esearch Spectr	ograph			
D:							ration \$	34,3
							alysis \$	

Date Compl. 4/2/69



ASSAYERS AND CHEMISTS, INC.

1700 WEST GRANT ROAD - TELEPHONE 622-4836 - POST OFFICE BOX 5934

TUCSON, ARIZONA 85703

THE SOUTHWEST'S LEADING ASSAYERS AND REPRESENTATIVES

Branch Representatives at Buyer's Plants: Phelps Dodge Corp., Douglas, Arizona; ASARCO, El Paso, Amarillo, Texas and Hayden, Arizona

	ENTIFICATION		Gold X	Silver ozs.	Lead Coppe %	Zinc Mo.XX		
	ELEMENT:		Compos	ite C:	Composite D:	ELEMENT:	Comp C:	Comp D
	Silver *	<	0.0005	% <	0.0005%	Nickel <	0.01%	< 0.01%
	Aluminum		Lp., 1		4.1	Phosphorus <	0.1	< 0.1
	Arsenic *	<	0.01	<	0.01	Lead	0.05	0.04
	Beron	<	0.001	<	0.001	Rubidium * <	0.1	< 0.1
	Barium		0.48		0.30	Antimony * <	0.01	< 0.01
	Beryllium *	<	0.0001	<	0.0001	Silicon 2	8.00	26.00
	Bismuth *	<	0.001	<	0.001	Tin * <	0.001	< 0.001
	Calcium		0.73		0.5	Strontlum <	g. 01	< 0.01
	Cadmium *	<	0.01	<	0.01	Tantalum * <	0,1	< 0.1
	Cerium *	<	0.01	<	0.01	Tellusium * <	0.01	< 0.01
	Cobalt		0.035		0.03	Thorlum * <	0.1	< 0.1
	Chromlum		0.07		0.03	Titanium	0.071	0.063
	Cesium *	<	0.1	<	0.1	Thellium * <	0.1	< 0.1
	Copper		0.055		0.009	Uranium * <	0.1	< 0.1
	Iron		2.1		1.8	Vanadlun	0.07	0.03
	Gallium *	<	0.01	<	0.01	Tungsten * <	0.1	< 0.1
	Germanlum *	<	0.001	<	0.001	Zinc * <	0.01	< 0.01
	Indium *	<	0.001	<	0.001	Zirconium	0.06	0.05
	Potassium *	<	1.0	<	1.0	Au * <	0.005	< 0.005
	Lithium *	<	0.01	<	0.01	Molybdenum *<	0.001	< 0.001
	Magnesium		2.4		1.5			
	Manganese		0.70		0.60			
	Sodium		0.90		0.75	* Not detected		
	Niobium *	<	0.03	<	0.03			
C:				R	EMARKS:	Analysis Cert. By		
ADD: CITY: ADD: CITY:					esearch Spect age 6	rograph	Preparation \$ Analysis \$	111



ASSAYERS AND CHEMISTS, INC.

1700 WEST GRANT ROAD - TELEPHONE 622-4836 - POST OFFICE BOX 5934

TUCSON, ARIZONA 85703

THE SOUTHWEST'S LEADING ASSAYERS AND REPRESENTATIVES

Branch Representatives at Buyer's Plants: Phelps Dodge Corp., Douglas, Arizona; ASARCO, El Paso, Amarillo, Texas and Hayden, Arizona

	IDENTIFICATION		Gold Ozs.X	Silver ozs.	Lead (XX%XXX)	Copper %	Zinc Mc	XXX		
	ELEMENTS:		Compos	ite E:	Composi	te F:	ELEMENTS:	Comp E:		Comp F
	Silver *	<	0.0005	% <	0.0005%		Nickel	< 0.01		0.02
	Áluminum		4.3		4.8		Phosphorus	< 0.1	<	0.1
	Arsenic *	<	0.01	<	0.01		Lead	0.05		0.04
	Boron		0.008	<	0.001		Rubidium *	< 0.1	<	0.1
	Barlum		0.78		0.81		Antimony *	< 0.01	<	0.01
	Berylllum *	<	0.0001	<	0.0001		Silicon	29.00		31.00
	Bismuth *	<	0.001	<	0.001		Tin *	< 0.001	<	0.001
	Calcium		0.73		0.85		Strontium	< 0.01	<	0.01
	Cadmium *	<	0.01	<	0.01		Tantalum *	< 0.1	<	0.1
	Cerium *	<	0.01	<	0.01		Tellurium *	< 0.01	<	0.01
	Cobalt		0.03		0.035		Thorlum *	< 0.1	<	0.1
	Chromlum		0:04		0.08		Titanium	0.074		0.076
	Ceslum *		0.1	<	0.1		Thallium *	< 0.1	<	0.1
	Copper		0.01		0.08		Uranium *	< 0.1	<	0.1
	Iron		2.4		3.9		Vanadium	0.05		0.08
	Galllum *	<	0.01	<	0.01		Tungsten	< 0.1*	<	0.1
	Germanium *	<	0.001	<	0.001		Zinc	< 0.01*	<	0.01
	Indium *	<	0.001	<	0.001		Zirconlum	0.07		0.075
	Potassium *	V	1.0	<	1.0		Gold *	< 0.005	<	0.005
	Lithium *	<	0.01	<	0.01					
	Magnesium	11.5	2.0		3.6					
	Manganese		0.65		0.85		* Not detec	ted		
	Sodium		1.2		3.2		Paris Sk			
	Niobium *	<	0.03	<	0.03					
	Molybdenum	<	0.001	<	0.001*					
				RI	EMARKS:		Analysis Cert.	Ву		
): Y:					esearch S	Spectro	graph			
D:				Pa	age 7			Preparati	on \$	
TY:				Date Sp				Analys	The second second second	

ACC: AMERICAN SMELTING & REFINING COMPANReceived 3/18/69 Compl. 4/2/69

TUC 342539-A



ASSAYERS AND CHEMISTS, INC.

1700 WEST GRANT ROAD -

TELEPHONE 622-4836 - POST OFFICE BOX 5934

TUCSON, ARIZONA 85703

THE SOUTHWEST'S LEADING ASSAYERS AND REPRESENTATIVES

Branch Representatives at Buyer's Plants: Phelps Dodge Corp., Douglas, Arizona; ASARCO, El Paso, Amarillo, Texas and Hayden, Arizona

	IDENTIFICATION		Gold ozs.	Silver ozs.	XXXLead XX	Copper %	XXX%XXX	XXX%XXX			
	ELEMENTS :		Compos	ite G:			ELEMENT	54	Composi	te G:	
	Silver*	<	0.0005				Nickel	* <	0.01		
	Aluminum		4.2				Phospho		0.1		
	Arsenic *	<	0.01				Lead		0.015		
	Boron		0.001				Rubidiu		0.1		
	Barlum		0.55				Antimon	y # <	0.01		
	Beryllium *	<	0.0001		1		Silicon	2	9.00	P P P	
	Bismuth *	<	0.001	No. of State	dy-h		Tin *	<	0.001		
	Calcium		0.80				Stronti	um <	0.01		
	Cadmium *	<	0.01		非 对应证		Tantalu	> # m	0.1		
	Cerlum *	<	0.01		in the		Telluri	um * <	0.01		
	Cobalt		0.030				Thorium	* <	0.1		
	Chromlum		0.06		Fr. 15 2		Titaniu	m	0.069		
	Cesium *	<	0.1		B2 +		Thalliu	m * <	0.1		
	Copper		0.23				Uranium	* <	0.1	E. Har	
	Iron		2.8				Vanadiu	m	0.04		
	Gellium *	<	0.01				Tungste	n * <	0.1		
	Germanium *	<	0.001		1.6		Zind	<	0.01		
	Indium *	<	0.001		Mark S		Zirconi	um	0.075		
	Potassium		1.0				Gold*	<	0.005		
	Lithium *	<	0.01								Later Control
	Magnes i um		2.4		an discon						
	Manganese		0.70				* Not d	etected	18 00		
	Sodium		2.4		Figure 1					12 13	
	Niobium *	<	0.03							4.00	
	Molybdenum *	<	0.001								
					earch Sp	ectrogr	aphs @	\$20.00.	7 7 7	Diess	15% dis
DOP.	nerican Smelting & Re . 0. Box 5795 ucson, Arizona 85703		ng Compa		EMARKS:	Spectro		Cert. By	17/12	ographs	119.0
ADD:	Attn: Mr. John E. Ki	nnis	on		age 8				Prepara		
CITY:									Anal	ysis \$	



ASSAYERS AND CHEMISTS, INC.

1700 WEST GRANT ROAD

TELEPHONE 622-4836 - POST OFFICE BOX 5934

TUCSON, ARIZONA 85703

THE SOUTHWEST'S LEADING ASSAYERS AND REPRESENTATIVES

J.E.K.

Branch Representatives at Buyer's Plants:

Phelps Dodge Corp., Douglas, Arizona; ASARCO, El Paso, Amarillo, Texas and Hayden, Arizona

	Gold	Silver	Lead	Copper	Zinc	Mo.		4 1969	
IDENTIFICATION	ozs.	ozs.	%	%	%	%	Hg		
Composite A PC-DC: 1, 2, 3, 4, 5, 6, 7, 8, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22,	None	None	ppm 60	рри 54	ppm 72	ppm < 5	ppm <1		
19, 20, 21, 22, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61 PC-RC: 65 - 50									
Composite B PC-RC: 1, 2, 3, 4, 5, 10, 16, 17, 18, 82, 83 PC-RC: 77 - 29	None	None	66	74	62	< 5	<1		
Composite C PC-RC: 6, 7, 8, 9, 11, 13, 15 PC-RC: 77 - 29 77 - 32 PC-JC: 77 - 35 77 - 38 PC-RC: 74 - 29 PC-JC: 74 - 38 PC-RC: 71 - 29	None	None	96 July 1	January .	118	< 5	<1		

CC. American Smelting & Refining Company ADD. P. O. Box 5795	REMARKS: Verified	Analysis Cert. By	
Tucson, Arizona 85703	Geochen - Pb, Cu Page 1		Preparation \$ Analysis \$

ACC: Date Spl. Compl. 4/3/69 Received AMERICAN SMELTING & REFINING CO

TUC 342539

\$



ASSAYERS AND CHEMISTS, INC.

1700 WEST GRANT ROAD - TELEPHON

TELEPHONE 622-4836 - POST OFFICE BOX 5934

TUCSON, ARIZONA 85703

THE SOUTHWEST'S LEADING ASSAYERS AND REPRESENTATIVES

Branch Representatives at Buyer's Plants:
Phelps Dodge Corp., Douglas, Árizona; ASARCO, El Paso, Amarillo, Texas and Hayden, Arizona

IDENTIFICATION	Gold ozs.	Silver ozs.	Lead %	Copper %	Zinc %	Mo. %	Hg	
			Plu	DDur	ppm	ppm	ppm	
Composite D	None	None	112	76	78	< 5	< 1	
PC-DC: 51 PC-DC: 1	and the second	differ		1 16.				
PC-DC: 50								
38				three light	2		Control of	
PC-RC: 47 - 47							Beile	
47 - 41								
PG-JC: 50 - 50								
70 - 44 PC-JC: 50 - 47			1					
50 - 41							1	
50 - 38 PC-RC: 53 - 50						The Take		
PC-RC: 53 - 50 53 - 47		A STORY						
53 - 44							Part of	
53 - 41 PC-JC: 53 - 38	of Shall							
PC-JC: 53 - 38 PC-RC: 56 - 50								
56 - 47			7 8 1					
56 - 44 56 - 41			L. Service	- 2				
PC-JC: 56 - 38			SAT 1	M				
62 - 38			L. Ar	N				
PC-RC: 65 - 47 65 - 44			1	N.				
65 - 41			1 8	V-deschiors				
PC-JC: 65 - 38			Tul					
68 - 38 71 - 38	The second second							
Composite E	None	None	48	54	60	< 5	< 1	
PC-DC: 26, 47, 48, 40								
42, 43, 44, 45			1 1 2 2 2 1					11
PC-JC: 2, 3, 4, PC-DC: 46, 47, 48, 49 42, 43, 44, 45 33, 34, 35, 36			1000					
			EMARKS:		Analysis	Cert. By	THE PERSON	

CC:
ADD:
CITY:
ADD:
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CITY:
Page 2

Analysis Cert. By

Analysis Cert. By

Preparation \$

Analysis \$

ACC:
AMERICAN SMELTING & REFINING CO

Date Spl. Received 3/18/69 Date Compl. 4/3/69

TUC 342539



ASSAYERS AND CHEMISTS, INC.

1700 WEST GRANT ROAD - TELEPHONE 622-4836 - POST OFFICE BOX 5934

TUCSON, ARIZONA 85703

THE SOUTHWEST'S LEADING ASSAYERS AND REPRESENTATIVES

Branch Representatives at Buyer's Plants: Phelps Dodge Corp., Douglas, Arizona; ASARCO, El Paso, Amarillo, Texas and Hayden, Arizona

IDENTIFICATION	Gold ozs.	Silver ozs.	Lead %	Copper %	Zinc %	Mo. %	Hg	
			bbm	ppm	bbm	ppta	ppm	
Composite F PC-RC: 9, 10, 11 PC-JC: 50 - 23 53 - 23 56 - 23 59 - 23	< 0.005	None	122	488	202	5	<1	
62 - 23 65 - 23 65 - 26 PC-RC: 68 - 29 69 - 32 71 - 32								
74 - 32 PC-JC: 71 - 35 74 - 35 62 - 26								
CC:		CE 192	REMARKS:			Cert. By		
ADD: CITY: ADD: CITY:			Heochem :			o & Hg	Preparatio Analys	
ACC:		Date S Receiv	pl.	Date Compl.			Allarys	\$



ASSAYERS AND CHEMISTS, INC.

1700 WEST GRANT ROAD - TELEPHONE 622-4836 - POST OFFICE BOX 5934

TUCSON, ARIZONA 85703

THE SOUTHWEST'S LEADING ASSAYERS AND REPRESENTATIVES

Branch Representatives at Buyor's Plants: Phelps Dodge Corp., Douglas, Arizona; ASARCO, El Paso, Amarillo, Texas and Hayden, Arizona

	IDENTIFICATION	Gold ozs.	Silver ozs.	Lead %	Copper %	Zinc %	Mo. %	Hg		
				ppa	35,2522	ppm	Dim	13bm		
	Composite G PC-JC: 50 - 26 53 - 26 56 - 26	None	Mone	118	> 1000	15h	5	< 1		
	59 - 26 59 - 26 22 50 - 29 PC-RC: 53 - 29 56 - 29									
	59 - 29 62 - 29 65 - 29									
	PC-JC: 50 - 32 PC-RC: 53 - 32 56 - 32 59 - 32 60 - 32									
	62 - 32 65 - 32 PC-JC: 50 - 35 53 - 35 59 - 35									
	62 - 35 65 - 35 68 - 35 53 - 24									
		7 vez	Lfiled A	composit	\$6.50		ħ		28.40	
		7 gec	chem Mo	, Pb, Zr 6 81.50 6 \$1.50					17.50 10.50 10.50 112.40	
									4	
CC: ADD: CITY:	THESON ATLEONS OF HIS	ining Co	N N	REMARKS:			Cert. By	Commo	siting	28
ADD:	Attn: Mr. John E. Ke	nnison		leochem :	- Plo, Cu	ij Znj M	o & Hg	Prepara	tion \$	84.
ACC:			Date S Receive	01	Date	/3/69		Anal	ysis \$	112

AMERICAN SMELTING AND REFINING COMPANY Tucson Arizona

March 25, 1969

J.E.K.

MAR 27 1969

To: Mr. W. E. Saegart

From: Mr. S. I. Bowditch

Greenback Mine Pinal County, Arizona

The following affidavits of labor have been filed for claims in the Greenback area.

1) Docket 561, page 179 - Garth S. Black, 409 E. Malibu Drive, Tempe, Arizona, for Pinal Copper Corporation - work done at the expense of Pinal Copper Corporation between August 31, 1968, and November 30, 1968, dated February 12, 1969.

Names	Dooleat	D
Big Ike No. 1 & 2	Docket	Page
Kickback Nos. 1-3	47	203,204
4-6	47	186-188
10-13	47 47	189-191
Copper King Nos. 182		195-198
Gold Bell	98	477-478
North Copper 4 & 5	98	476
West End 1-3	99	538,539
11 4 & 5	100	337-33 9
Copper Flat	101	508-509
	101	237
Kickback 1 & 2 (Ficket)	126	31,32
Pinal Copper & Uranium Ex 1-7	126	33-3 9
Golden Hills South No. 5	127	33
Shiprock 1-3	126	77- 79
Copper Hill No. 4	107	400
South Copper 1,3,4	107	550,552,553
South Side No. 2	107	551
Copper Hill Ext 1-5, 7-10	109	59-63, 393-396
Good Copper No. 1	96	340
Good Copper	96	342
Good Gold	96	339
West Side	96	341
Copper Bell 1-20	118	371-380
74 claims		

74 claims

2) Docket 561, page 160 - Garth S. Black for Paul Hinshaw and Clarence Black - Dated February 12, 1969 - work done at expense of owners - August 31, 1968 to October 30, 1968

Titia	n #1	126	101
11	#3	126	103
, 11	#4	126	109

Mr. W. E. Saegart March 25, 1969 Page 2

Titian #5		126		108
#6		126		107
#7		126		106
Iron Cap #1		127		34
South Gold		96		338
Golden Hills #1-5		127		35-39
Gold King No. 5		119		332
" No. 9		1121		273
	15 claims		1	

Therefore at least 89 claims, located before the Papago Reservation was closed to prospecting, are being kept alive in this area. The descriptions on the location notices are too vague to plot.

S. J. Bowditch

S. I. Bowditch

SIB:kc

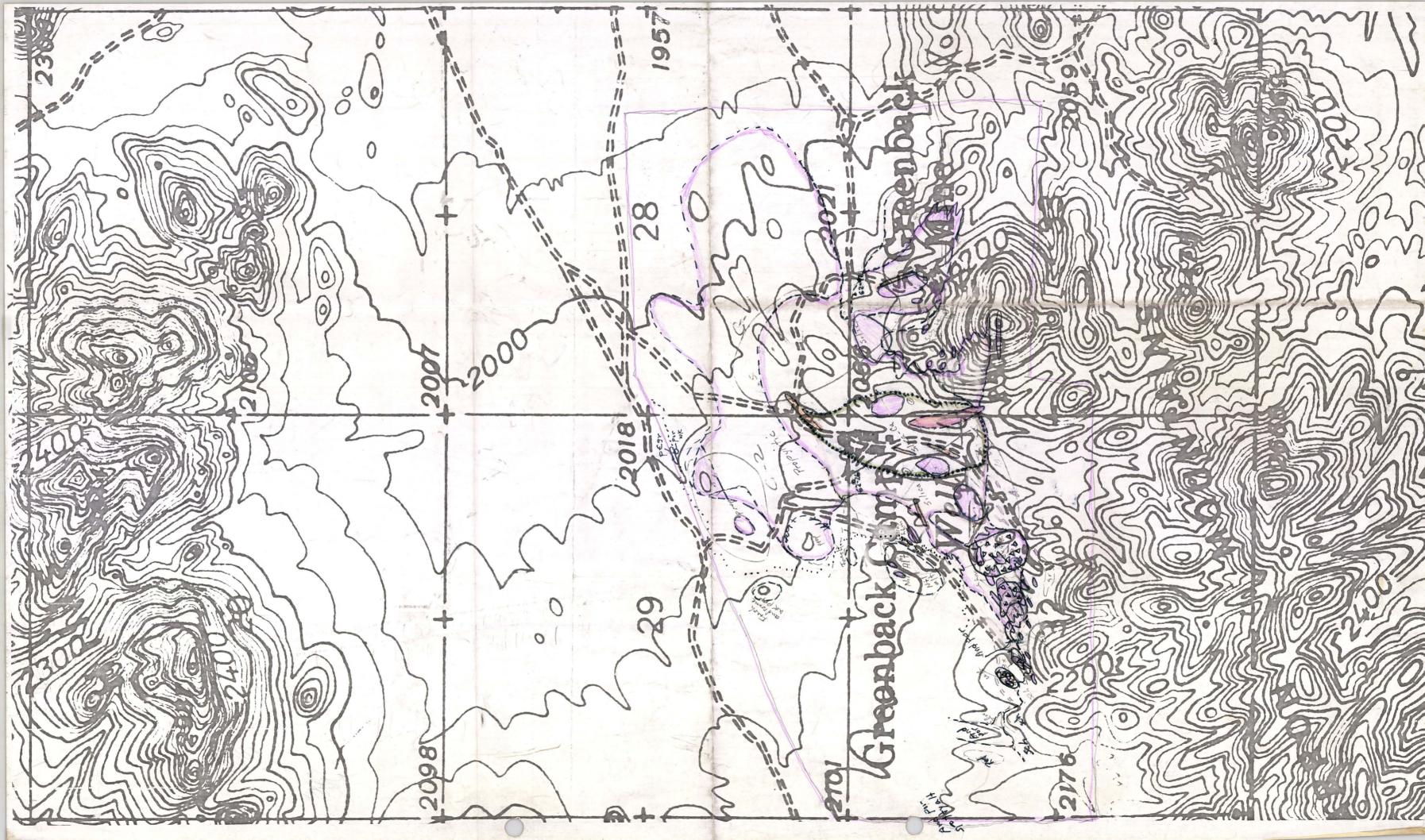
cc: JHCourtright JEK innison

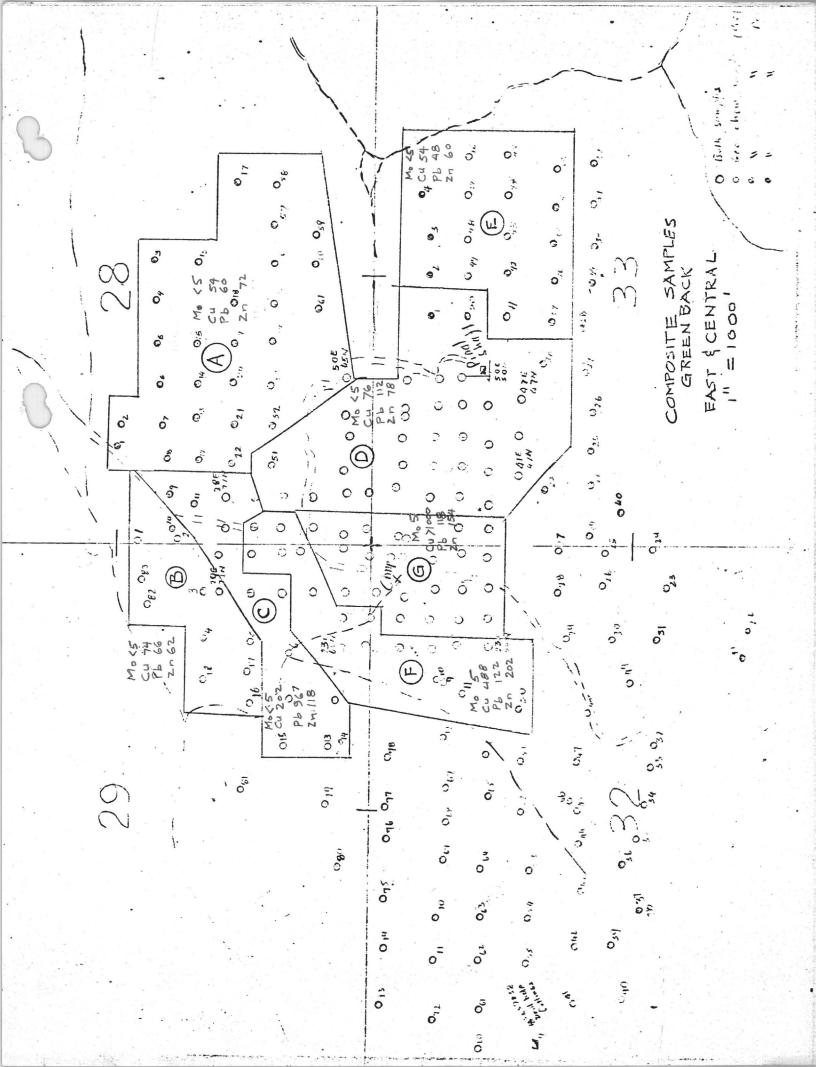
Vekal min anal \$ Sec 28-29-30-31-32 well below Greenback o camp. assays from this area

. Pinal Copper Co - Claims that predate Pinal Co May 27, 1950 Major closed to location Dec 98 pages 476-78 -Doc 99 538-39 100 126 Gold Belle North Copper
West End - 100/337-339, 101/508,509

Copper Flat 90/560, 116/366-501, 126/407-A14

Kick Back 126/31/32 - 126/122-137 Pinal Capper & Wantum Extr 1 Shiprock Copper ACel 107/400, 482-486,554 South Copper 107/500.553 Copper Bille 94/460-474 118/371-356 65/283-285 Copper sam 79/ 171, 172 91/ 292,293





AMERICAN SMELTING AND REFINING COMPANY Tucson, Arizona

February 14, 1969

TO:

R. D. Karvinen

FROM:

J.D.Sell

COPPEROSITY (GREENBACK) BASIN PAPAGO CENTRAL PROJECT PINAL COUNTY, ARIZONA

Attached are three prints from mylar tracings of the color tones, indicating possible outcrop, taken from the Stebbins Papago photographs in the Copperosity Basin.

Only three outcrop areas, surrounded by alluvial material could be seen north of the northeast-trending road which cuts through the middle of Section 29 (See sheet HGS-36-196 and Vekol Mountains Quadrangle sheet). Further west on the tracing copy are outlines of three reddish tone color zones surrounded or in contact with white to light color tones.

Also attached is the listing of the photographs for the immediate area and duplicates of these can be secured through the University of Arizona map library. The color transparencies cannot be secured for field use but can be viewed at the library. The scale of the Stebbins photos are 1:10,000 whereas the high-altitude AMS photos which you presently have are 1:60,000.

A carbon-arc spec of the altered rocks which we collected from the north side on February 11, 1969 indicated detectable amounts of silver and barium. Other elements -- lead, zinc, copper, moly, mercury, and uranium. -- were not detected.

James D. Sell

Jamesh Lell

Stebbins Mineral Survey -- Papago Reservation University of Arizona Map Library Collection.

Copperosity (Greenback) Area.

Area III-G, Sheet 2.

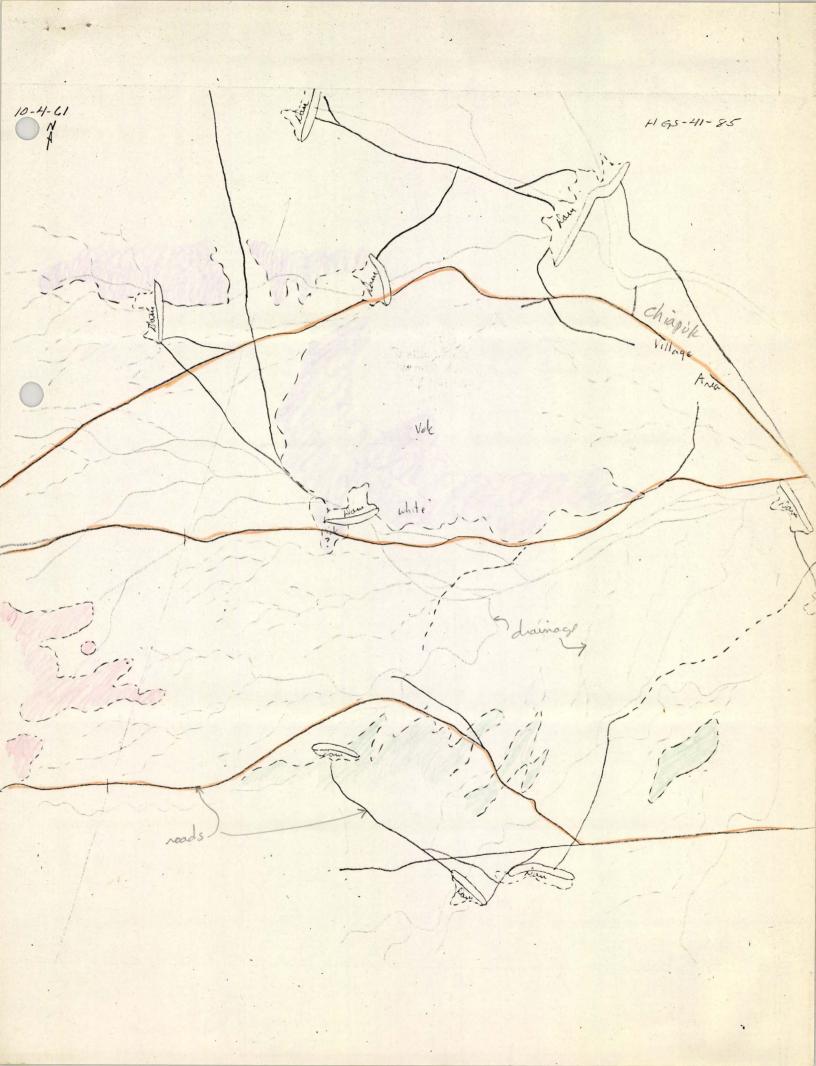
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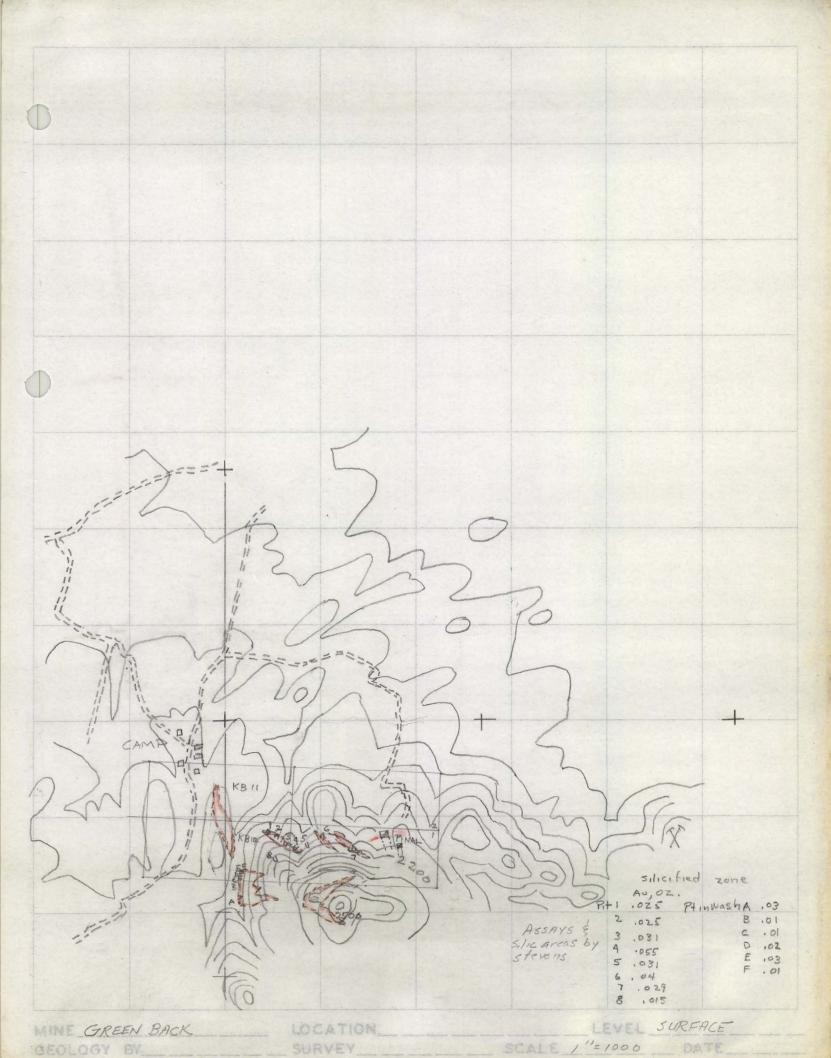
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Series - HGS -

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HGS-37-66 6lor Transp. House Greenback I mto grad sheet.





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AMERICAN SMELTING AND REFINING COMPANY SOUTHWESTERN EXPLORATION DEPARTMENT

P.O.BOX 5795, TUCSON, ARIZONA 85703

J. H. COURTRIGHT
CHIEF GEOLOGIST
L. P. ENTWISTLE
ASSISTANT CHIEF GEOLOGIST

W. E. SAEGART

ASSISTANT CHIEF GEOLOGIST

TELEPHONE 602-792-3010

March 18, 1969

(Copperosity) Greenback composits
Pinel Co Ary

Hawley & Hawley 1800 West Grant Tucson, Arizona

Attn: Mr. Harold Richard

Dear Hal:

Please have composites made by weighing equal amounts of pulp from the individual samples as inumerated on the attached lists; all of which are pulps in storage at your office. In addition to the assays requested on these composites, please send a split from each for the spectrographic analysis ("research" or "many-element" spec.)

Regards,

John E. Kinnison 🖘

JEK: 1zb

bcc: RDKarvinen

J∌Sell SRDavis LJJansen

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HAWLEY & HAWLEY DOUGLAS. ARIZONA HAYDEN, ARIZONA EL PASO, TEXAS 1700 W. GRANT RD. . BOX 593 622-4836 AMARILLO, TEXAS TUCSON, ARIZONA GOLD SILVER LEAD COPPER ZINC MO. IRON IDENTIFICATION 01 nil 70 trace J H. C.
APR 4 1966 nil 0.06 nil 250 trace 10 J.E.K. APR 05 1966 cc: Mr. Stauffer, C/O Mr. Courtwright REMARKS: ANALYSIS CERT. BY ADD: ASARCO, P. O.Box 5795, Tucson, Arizona CITY: "Special" DD: OR - J. H. Country let my 2 () PREPARATION S CITY: ANALYSIS \$ 16.50

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AMENICAN SERIOTEO & REPTETED CO.

DATE SPL. RECEIVED

3/25/66 DATE COMPL 3/31/66

J. E. K MAR 25 1966 Arizona PREPARE ANSWERS ____HANDLE_ FILE INITIALS

AMERICAN SMELTING AND REFINING COMPANY Tucson

March 23, 1966

READ AND RETURN

J. H. COURTRIGHT

W.E.S.

FROM: M. R. STAUFFER

TO:

MAR 24 1966

RECONNAISSANCE Cimarron Mountains Pinal County, Arizona

Reference in company files to "decomposed igneous rock" prompted reconnaissance of the Greenback area. As a gold prospect, the property does not warrant further investigation. Gold values are limited to known vein structures, and cut off at shallow depths.

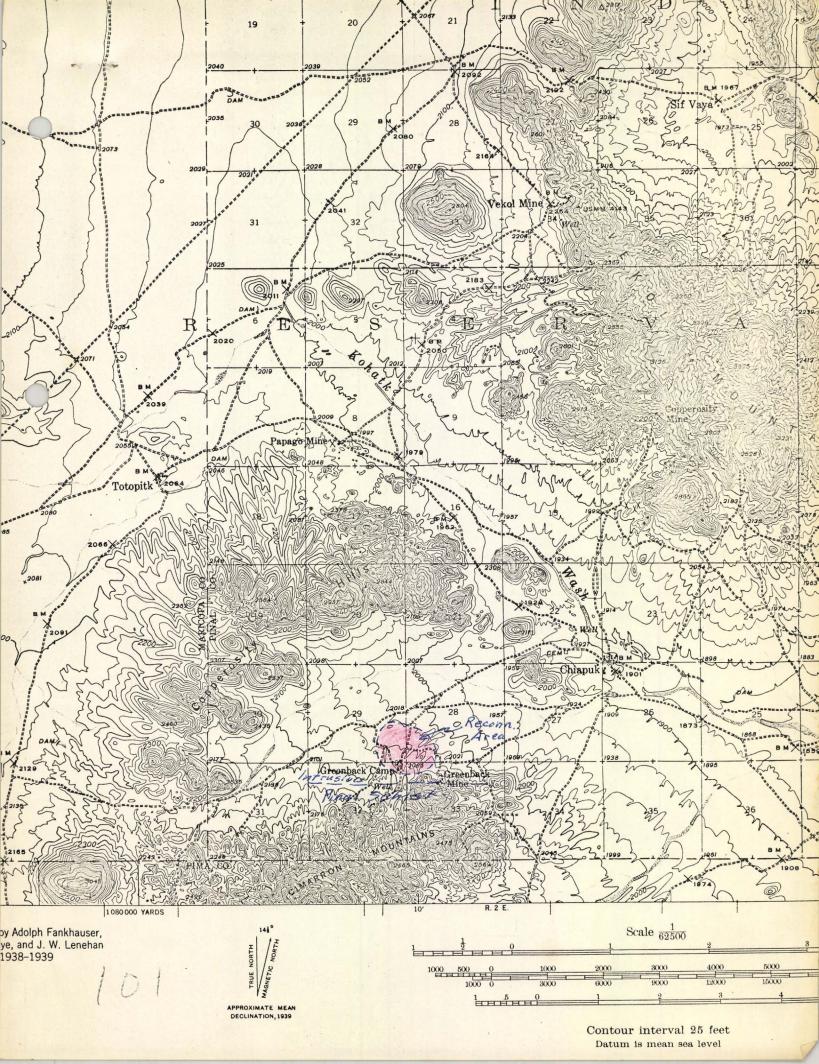
No - See Stepan's sample - meticulous channel program - pervasion gold value The workings are situated along an E - W contact between Pinal schist to the South and Tertiary (?) intrusives to the North. The contact zone is characterized by mineralized faults and shear sets with strong iron staining and lesser chrysocolla,

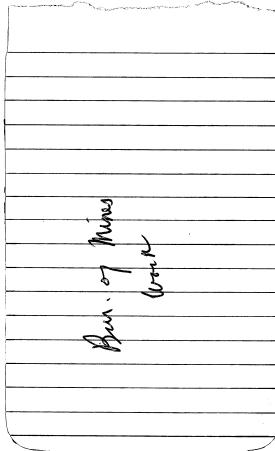
From the contact northward, outcrops gradually disappear under alluvial cover of the valley separating the Cimarron Mountains from the Copperosity Hills. Diorites, monzonites, andesites and rhyolites comprise the igneous rocks, and have been assigned a Tertiary age. (County geologic map) Weak to moderate alteration along with appreciable limonite after sulfides was found in the area marked on the attached map. The samples of leached capping taken represent, on an average, weak to moderate alteration with a low sulfide content. The fact that copper mineralization occurs nearby, however, suggests that the partially and completely covered area between the Cimarrons and Copperosity Hills warrants more investigation.

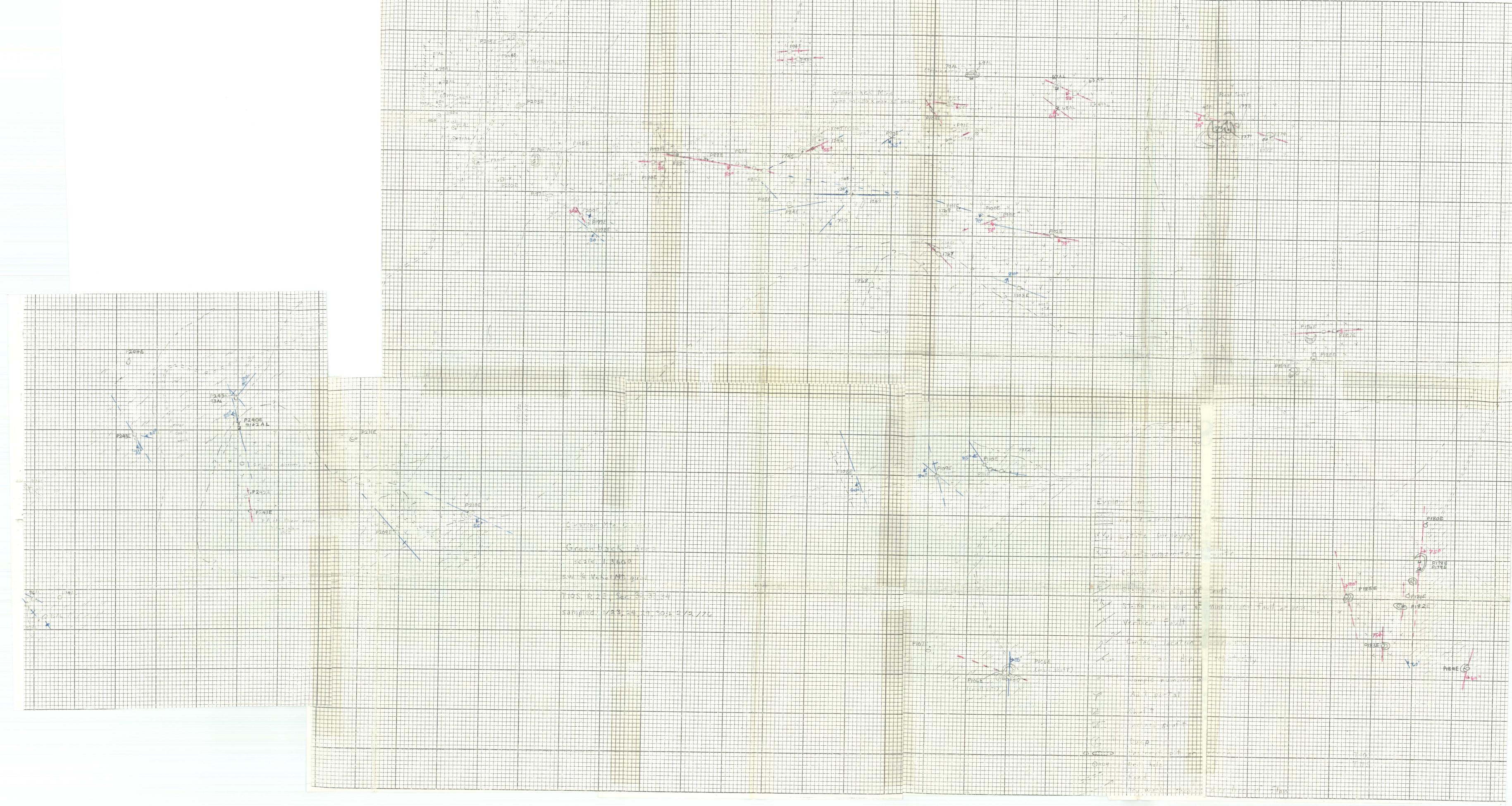
Reconnaissance efforts were somewhat curtailed because of competitor (Bear Creek ?) activity and the legal implications of prospecting the Papago Reservation without a permit.

M. R. Stauffer

MRS/pic Attach.









DENVER INTERIOR EMPLOYEES CREDIT UNION

October 1976

MORTGAGE LOANS - The fantastic interest in the loan program for 1st and 2nd mortgage loans on improved real estate since starting on July 1 has used the funds available for this year (about a million dollars). Your board of directors set a limit on the amount available for mortgages for a number of reasons; a very important one being to be sure that enough funds are always available for regular consumer loans. Applications will again be accepted for mortgage loans in 1977, and will continue until the fund limit has been reached. Thank you for making the program such a success.

LENDING AND SAVING - Lending and saving are the two biggest functions of the credit union.

When you are interested in borrowing some money, the first place you should look is your credit union. The annual percentage rate on auto, home improvement, and other

be provided without charge on consumer loans and on share accounts (\$2,000 maximum on shares). SAVE AND your CU.

BORROW

DISABILITY INSURANCE - Disability insurance

protection on loans will no longer be provided

after December 31, 1976. Disability insurance

your credit union for those members who want

it. Life insurance protection will continue to

will be available on an individual basis at

kinds of loans usually can't be beat. And you also have the knowledge that you are doing business with a place where you are a

member - not just another client. Savings are always important. Having a cushion of cash to help you over a tight spot, or to use for pure self-indulgence, is always a good idea. Saving regularly plus an attractive dividend rate will produce results you will be happy to see. For your borrowing and savings needs, see your credit union. You won't regret it!

Green back

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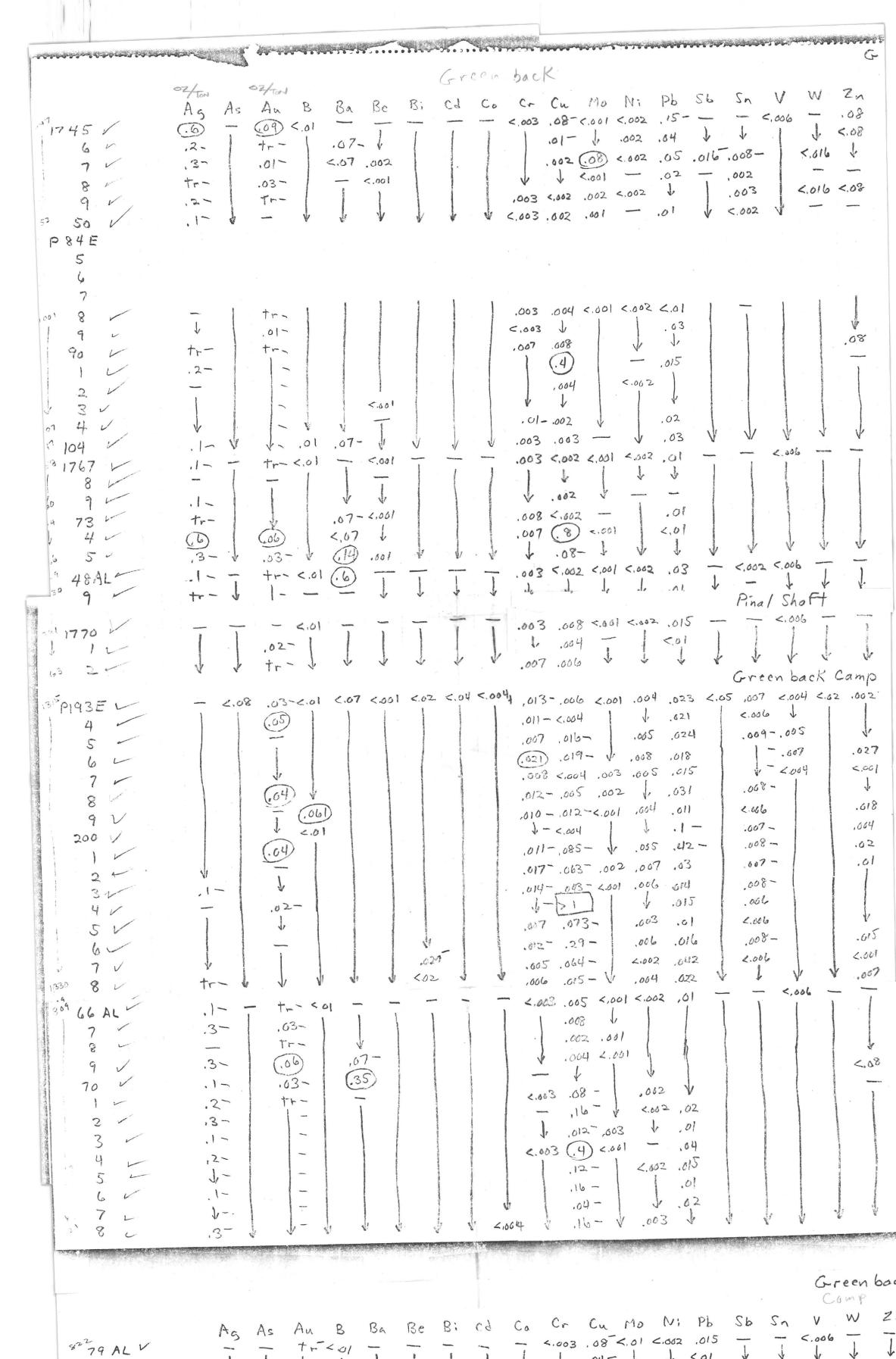
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