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

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CHICO PROJECT — ASSAY REPORTS — JAMISON

				GOLD	SILVER	COPPER	LEAD	ZINC	MOLYBDENUM
12/6	66	DRIFT	✓	0.03	4.60	1.1	1.3	18.2	0.11
12/21	66	WHITE ROCK 30' VEIN H.G.	✓	6.42	15.80	1.6	1.7		0.04
		12' VEIN	✓	0.18	20.60	7.6	2.6	8.2	0.07
1/5	67	80' LEVEL	✓	0.02	6.0	4.2	11.4	13.4	
1/12	67	80' LEVEL	✓	0.12	14.40	1.4	9.2	13.2	0.21
2/13	67		✓	0.08	36.10	22.7	0.25	0.15	
2/21	67	TAILINGS		TRACE	0.10	—	—	—	
		#2 D.D. CORE 345'		TRACE	—	—			
		#2 ORE	✓	0.08	16.8	6.6	0.05	0.10	
12/8	67		✓	0.04	23.6	12.30			
7/16	68	300' LEVEL	✓	0.01	11.4	2.50	5.00		
8/5	68	300' LEVEL		0.01	1.80	0.045			
1/17	68			0.02	0.40	0.15	0.10		0.06
11/7	67	MINE DUMP		0.02	0.70	0.05	—		0.04
11/9	67	MINE DUMP						0.6	
10/16	67	UPPER TUNNEL	(✓)	0.03	0.80	0.15			0.11
		UPPER TUNNEL				0.10			
5/22	67	CORE DRILL 50'-80' #1	✓	0.12	28.20	7.8			
		#2	✓	0.08	9.80				
		LEAD #3	✓	0.02	4.40				
		CORE 100'		0.02	0.80	0.25			
4/10	67	MILL RUN	✓	2.12	5.80	2.9			
		DARK ROCK	✓	0.08	8.60	3.4			
		NATIVE CUPPER		0.05	3.40	0.45			
3/29	67	LOWER DRIFT		0.04	3.20	0.75			
		"UPPER"		0.02	1.10	0.15	0.20	3.2	0.07
2/17	67		✓	2.84	8.40	0.65			
		AVERAGE	✓	1.02	3.60	0.85			
		DARK		0.14	1.40	0.20			
2/28	67		✓	1.00	94.0	12.50			
5/5	68	GREEN ROCK	✓	2.60	53.8	8.33			

LITTLE BOY

				1 GOLD	2 SILVER	3	4	5	6	7	8	9	10
3/16	74	DUMP- ZINC STRINGERS	✓	0.060	111.84								
		150' LEVEL CHIP SAMPLE		TRACE	0.86								
		100' LEVEL	✓	0.080	64.68								
		#2 CUT	✓	0.025	7.16								
		" " "		0.005	0.58								
		LOWEST		TRACE	0.16								
		" "	✓	0.010	2.69								

TRUE BLUE

				1	2	3	4	5	6	7	8	9	10
				GOLD	SILVER	COPPER	LEAD	ZINC					
2	5/25 68	DUMP	✓	0.14	0.30	0.065	0.20	0.60					

CHICO PROJECT — ASSAY REPORTS — SCOTTY

				1 GOLD	2 SILVER	3 COPPER	4	5	6	7	8	9	10
9/9	68	SCOTTY VEIN	✓	0.10	15.70								

"98"

35-110

					Gold	Silver	Copper
3/16	74	Gouge Zone H.W. 98 Shaft			0.020	5.98	
		98 Vein near 98 Shaft	✓		0.025	7.88	
		Goetz Shaft	✓		1.456	9.53	
		Waste Dump Lower Tunnel			Trace	0.48	
		Ore Pile Goetz Shaft	✓		0.050	6.95	
		Surface Cut 98 Vein - W of Goetz	✓		0.080	11.76	
		Ore Pile X-Vein below 98 Vein	✓		0.070	5.09	
		X Vein up Hill West			0.010	0.65	
8/5	68	Cut on Vein	✓		0.60	45.14	4.50

MINT

				Gold	Silver	Copper	Lead	Zinc
1/3	68			0.03	1.8	0.10	3.40	
11/30	67	2nd Shoot		0.10	1.5			
		2nd Shoot Raise	✓	1.24	415.7			
		White Rock	✓	0.18	87.40			
		Waxy Rock		0.04	1.4			
		#5	✓	0.04	17.60			
		#6		0.04	0.8			
		#7		0.04	0.4			
		#8		—	0.4			
12/8	67	Black Rock	✓	0.18	4.1	0.10		
			✓	0.84	224.0	0.12		
3/16	74	Waste Pile Near Junction		0.030	1.15			
		West Wall	✓	0.020	0.82			
		~~Main~~ Vein-Caved Sample	✓	0.115	13.0		7.68	
		Bottom Stope-Caved Material	✓	0.135	12.11			
8/5	68	Green Rock	✓	2.60	53.8	8.33		

BONNIE JACK

				GOLD	SILVER	COPPER	LEAD	ZINC
2/29	68		✓	0.01	23.20		21.20	

Geo-Processing, Inc.
Gibson Mine Division
P.O. DRAWER X • MIAMI, ARIZONA 85539 • August 11, 1977

CHICO MINE GROUP

INTRODUCTION

A Very Low Frequency electromagnetic survey was conducted on the CHICO mine group, in sections 31 and 32, T 28N, R 17W, and sections 5 and 6, T 27N, R 17W, G & SRBM, in the Cerbat Mountains north of Kingman, Arizona, at the request of Mr. Charles E. Goetz, of Phoenix, Arizona.

Three data line miles of survey, consisting of eight (8) survey lines and three (3) interconnecting lines. Orientation of survey lines closely approximated the survey lines proposed by Mr. Scott Hazen. The survey lines were oriented to cover the important areas of the project area so as to test the effectiveness of the VLF survey technique in defining the most interesting structural features and their associated conductors. Survey stations along the survey lines were spaced at 100 feet. Profile sections for each line and a plat showing the orientation of the survey lines are included with this report.

The survey indicates that the project area has complex structural features, however, the most interesting area as far as structures with associated conductors is the eastern half of Lines 1, 1A, 1B and also Line 2 could be included. This area could produce an interesting orebody. This could also be the northerly portion of the Cashier vein system.

PRINCIPAL OF OPERATION

The VLF transmitting stations operating for communications with submarines at sea, have a vertical antenna system. The antenna current

is thus vertical, creating a concentric horizontal magnetic field around them. When these magnetic fields meet conductive bodies in the ground, there will be secondary fields radiating from these bodies. This equipment, the EM-16 unit used in this survey, measures the vertical components of these secondary fields.

The EM-16 is simply a sensitive receiver covering the frequency bands of the VLF tramsmitting stations, with means of measuring the vertical field components.

The receiver has two inputs, with two receiving coils built into the instrument. One coil has normally vertical axis and the other is horizontal.

The signal from one of the coils (vertical axis) is first minimized by tilting the instrument. The tilt-angle is calibrated in percentage. The remaining signal in this coil is finally balanced out by a measured percentage of signal from the other coil (horizontal), after being shifted by 90°. This coil is normally parallel to the primary field.

Thus, if the secondary signals are small compared to the primary horizontal field, the mechanical tilt-angle is an accurate measure of the vertical real-component, and the compensation /2-signal from the horizontal coil is a measure of the quadrature vertical signal. In other words, the vertical real-component (in phase reading) indicates the structure and the quadrature indicates the conductive nature of the structure.

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DISCUSSION OF RESULTS

To organize the interpretive results, each survey line will be discussed starting with Line 1. Line 1, has an anomalous zone centering around station 3W and 6W. Both NAA and NLK transmitting stations gave anomalous respones, however, NAA gave the strongest structure and conductor response. Line 1A and 1B have anomalous zones in about the same area. One could interpret these responses as possible intersecting structures. Of all the survey lines run during this survey, Lines 1, 1A and 1B are the most interesting. Line 2 also indicates an anomalous zone centering near station 3W, this could be the Cashier vein system. Line 3 has several anomalous zones, a weak zone near 2W, a stronger zone possibly the Cashier vein system near 10W and another strong zone near 25W, possibly the Jamison vein system. Line 4 has several anomalous zones, with the eastern portion showing only weak structures with poor conductors, however, from approximately 27W, and to the west, stronger and interesting anomalous zones indicated by both NAA and NLK are evident. It can be observed that the Bronco dike gave anomalous readings on both Line 3, near station 25W, and on Line 4 near station 28W. Line 5 was not run because after clearing the road to make it passable, time was running short, along with not being familiar with the area, it was decided to name the first line to the south of the MINT mine, Line 6. Station 7E of Line 6 was right on the surveyed common sections corners of section 31, 32, 5 and 6, this gave us excellent ground control. Therefore, Line 6 and 7 were run in this area, leaving Line 5 for a future time. Line 6 and 7, gave mostly weak structures, however, centering near 1E

on Line 6, and 3E on Line 7, NAA gave the best responses for this southern area.

The interconnecting line of stations 3W, from Line 1A to Line 1, seems to substantiate that the most favorable area indicated by this survey is the northern area of the property, such as, Line 1, 1A and 1B.

If further VLF survey work is considered, then this area should be expanded. Lines farther north toward Duval's operation is strongly recommended.

To further assist in defining the vein systems on this property, intermediate lines are necessary, due to the complexity of structures, additional lines between Lines 1B and 2; 2 and 3; 3 and 4; 4 and 6; and south of Line 7, could be considered. However, the survey singles out the northern area as the best bet to encounter possible commercial ore reserves.

CONCLUSIONS AND RECOMMENDATIONS

The Very Low Frequency electromagnetic geophysical survey technique appears to give interesting correlating information on the known structures. Stronger anomalous zones were expected in the central portion of the surveyed area than were found by this survey, however, a very interesting area in the northern portion of the property was found. This area should be expanded with additional survey lines, both to the east and west and mainly to the north. In the opinion of the writer, this area shows the best promise of potential commercial ore reserves.

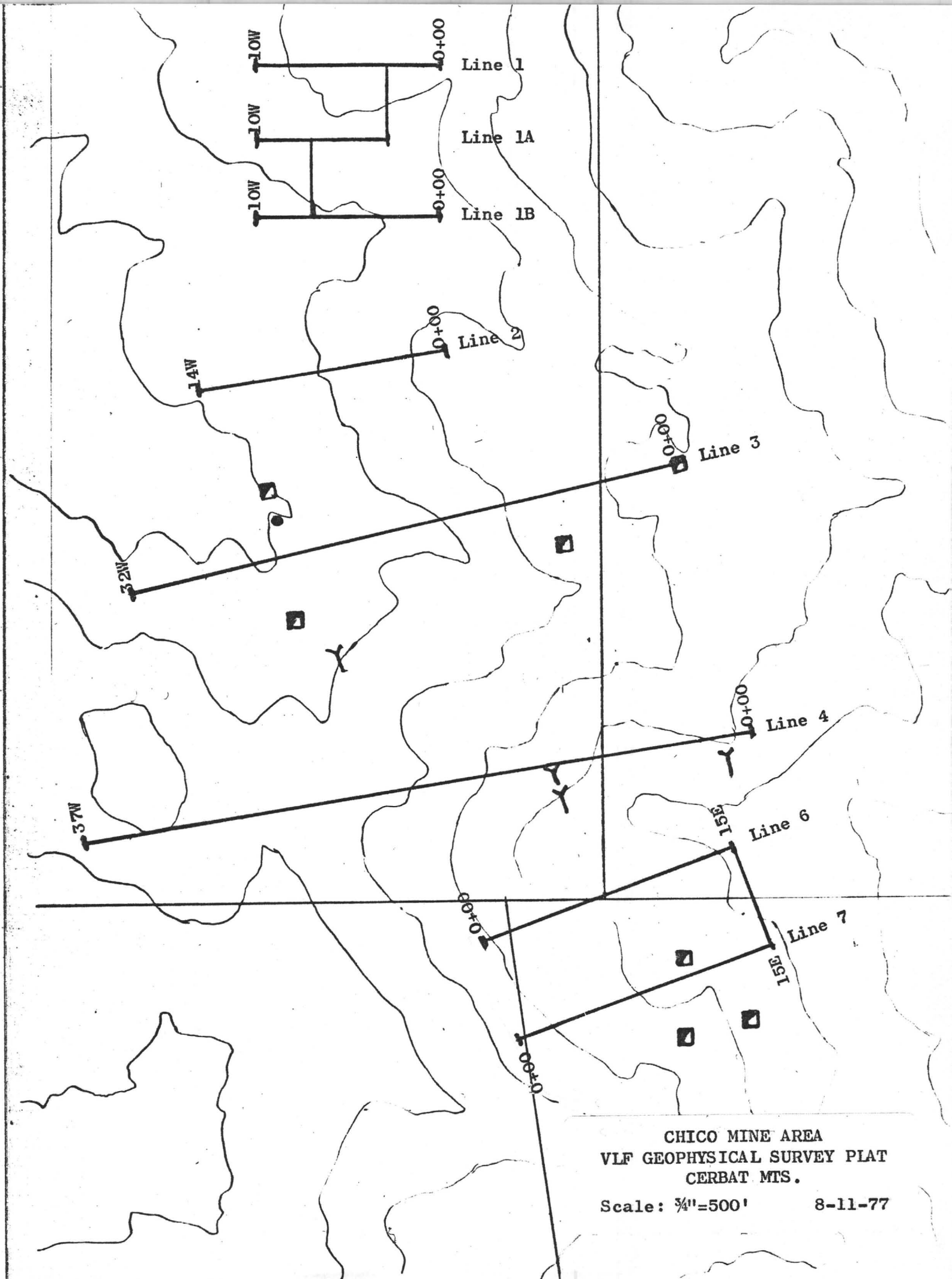
Intermediate lines in the central portion could be considered,

along with longer interconnecting lines along the strike length of interesting structures, as suggested by Mr. Scott Hazen.

This report was prepared by:

Nicholas H. Carouso

Nicholas H. Carouso
President
GEO-PROCESSING, INC.

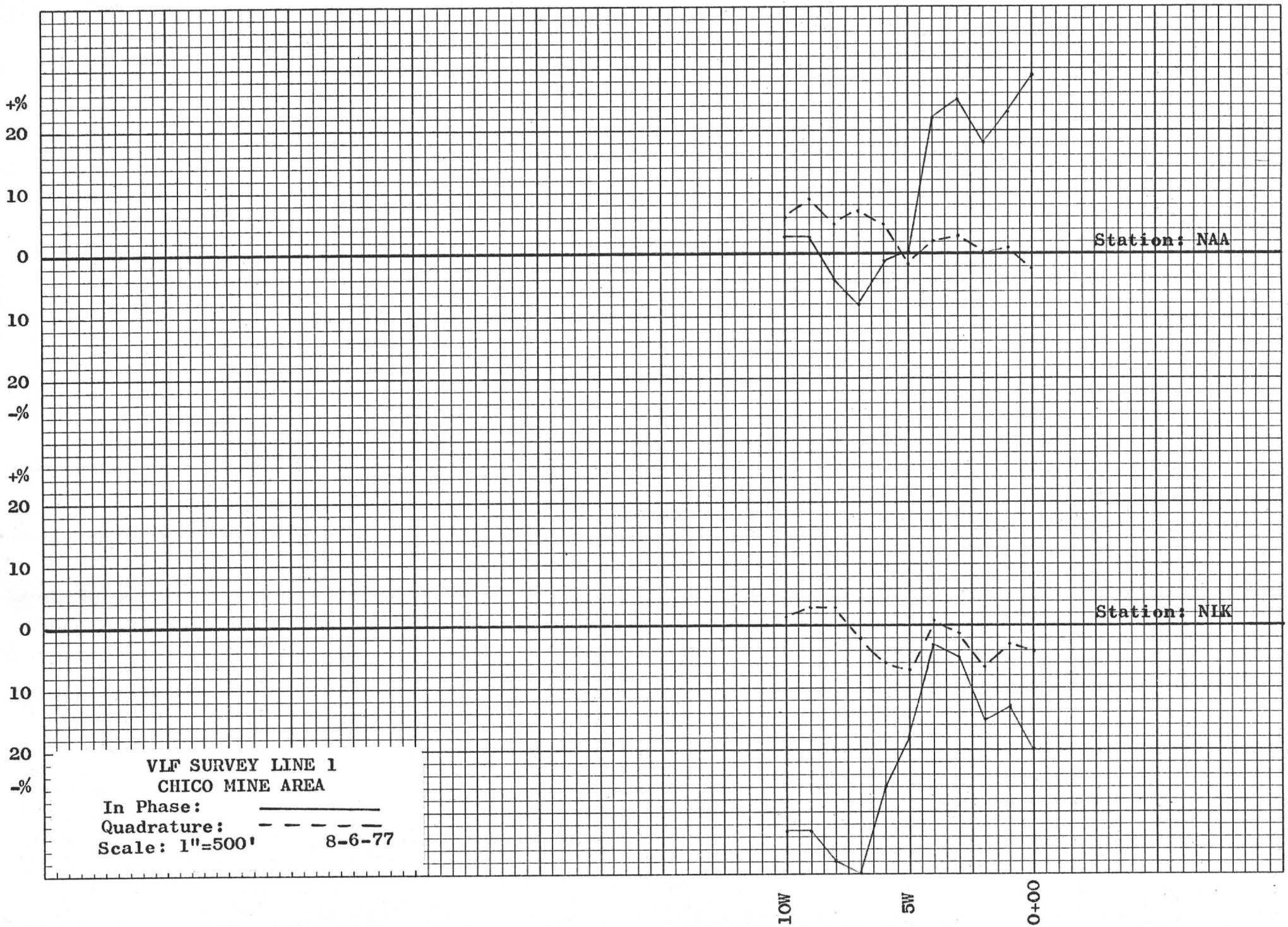


CHICO MINE AREA
VLF GEOPHYSICAL SURVEY PLAT
CERBAT MTS.

Scale: ¾"=500' 8-11-77

NO. 341-10 DIETZGEN GRAPH PAPER
10 X 10 PER INCH

DIETZGEN CORPORATION
MADE IN U.S.A.



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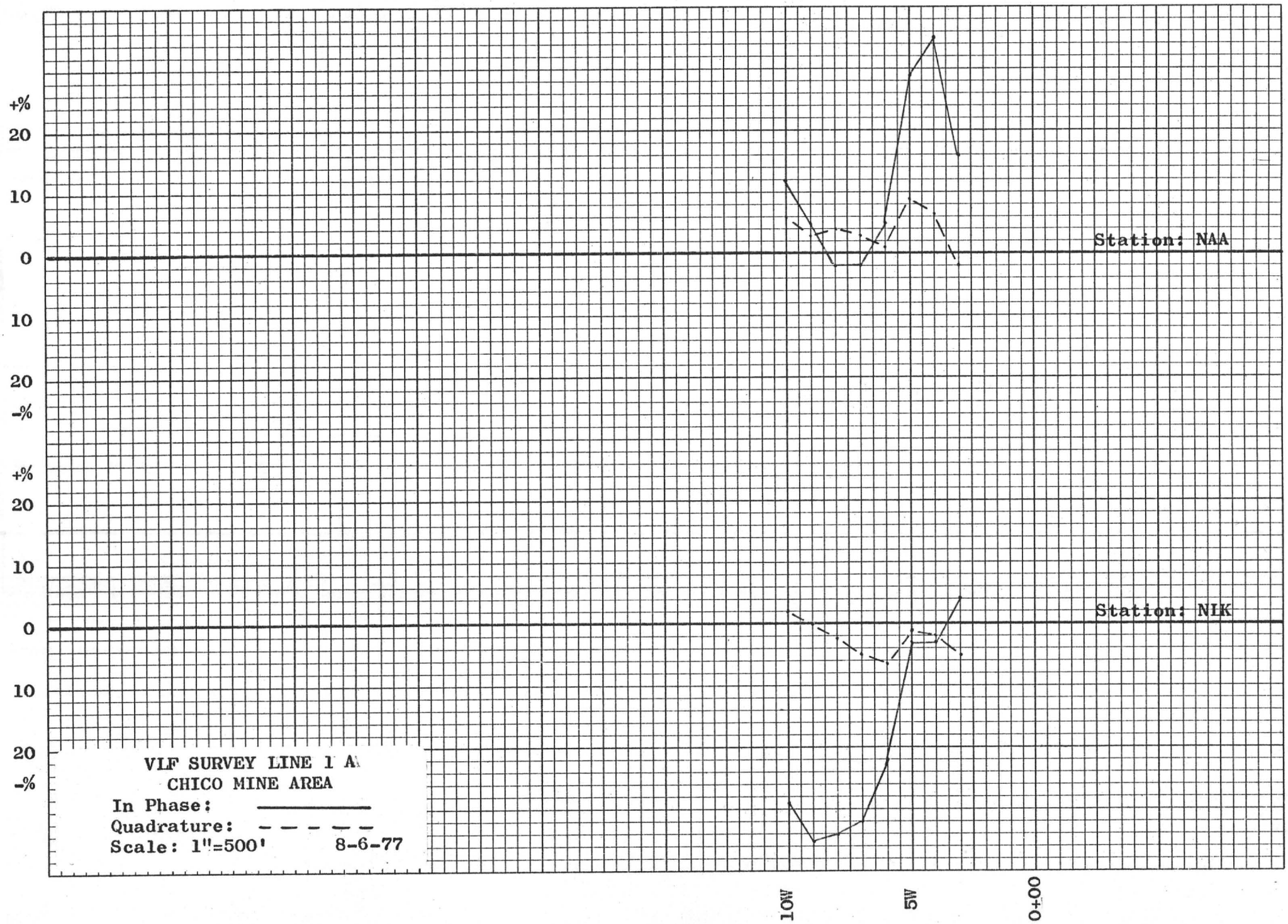

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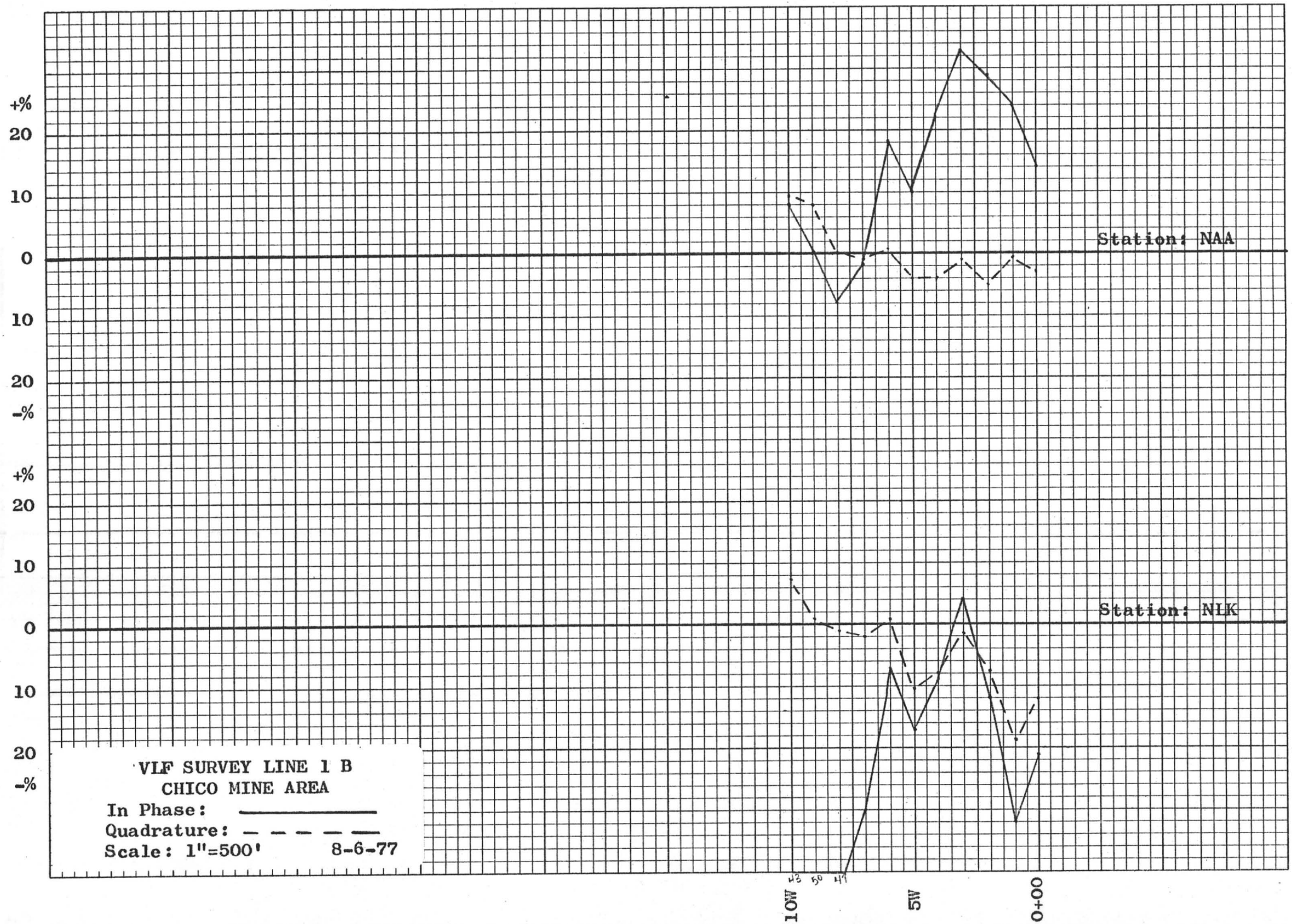

VLF SURVEY LINE 1 B
CHICO MINE AREA
In Phase: ————
Quadrature: — — — —
Scale: 1"=500' 8-6-77

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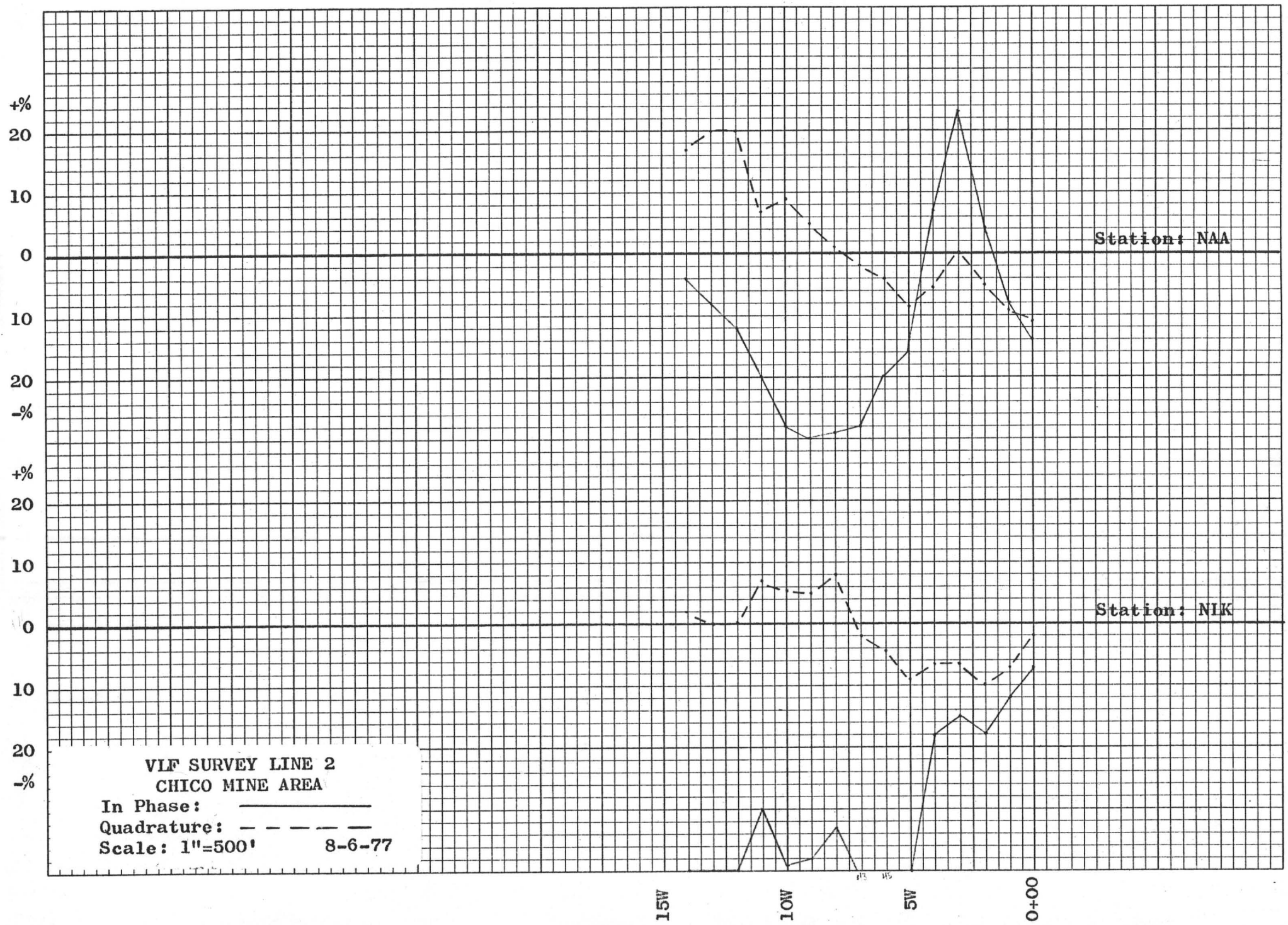

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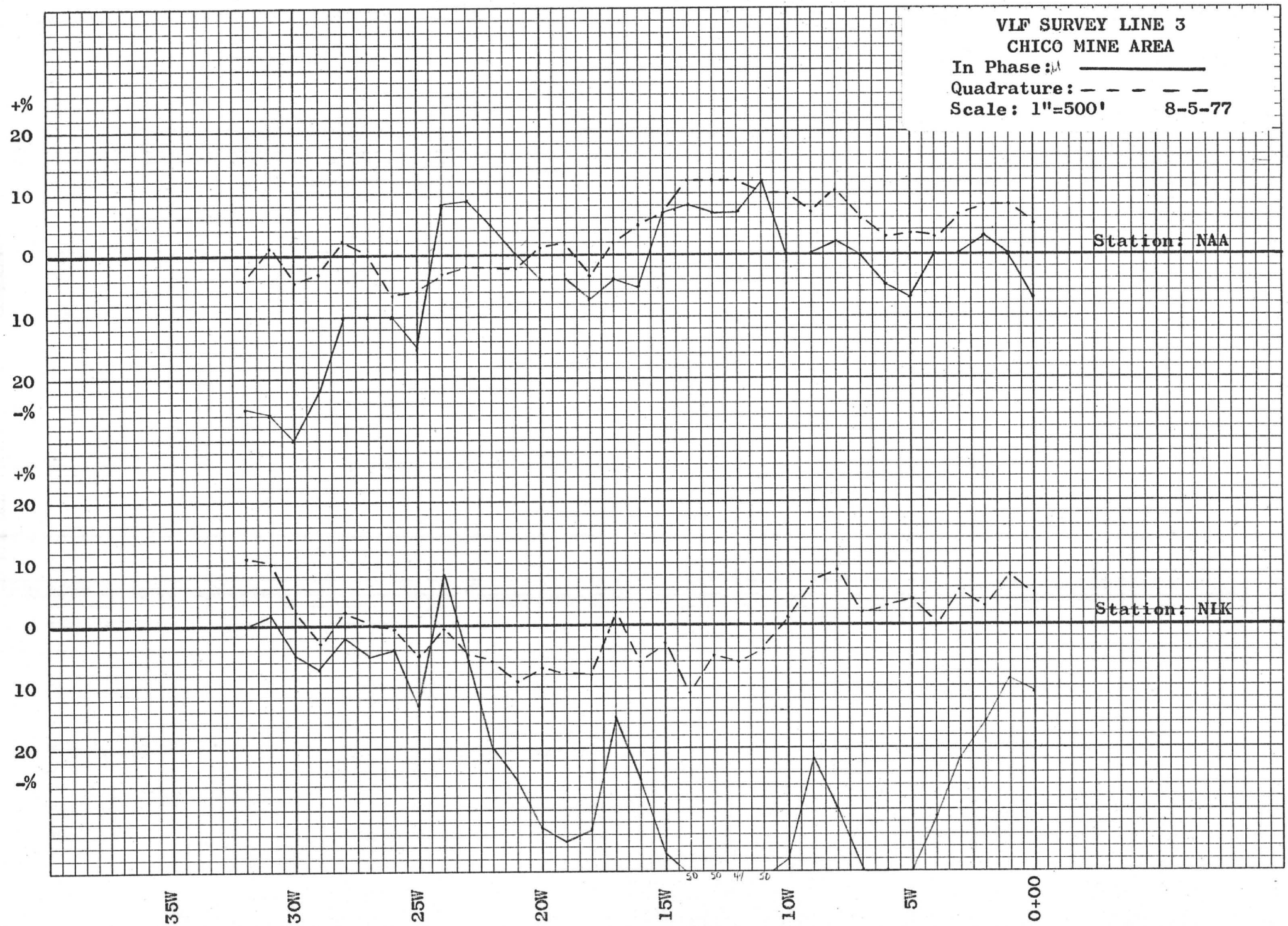

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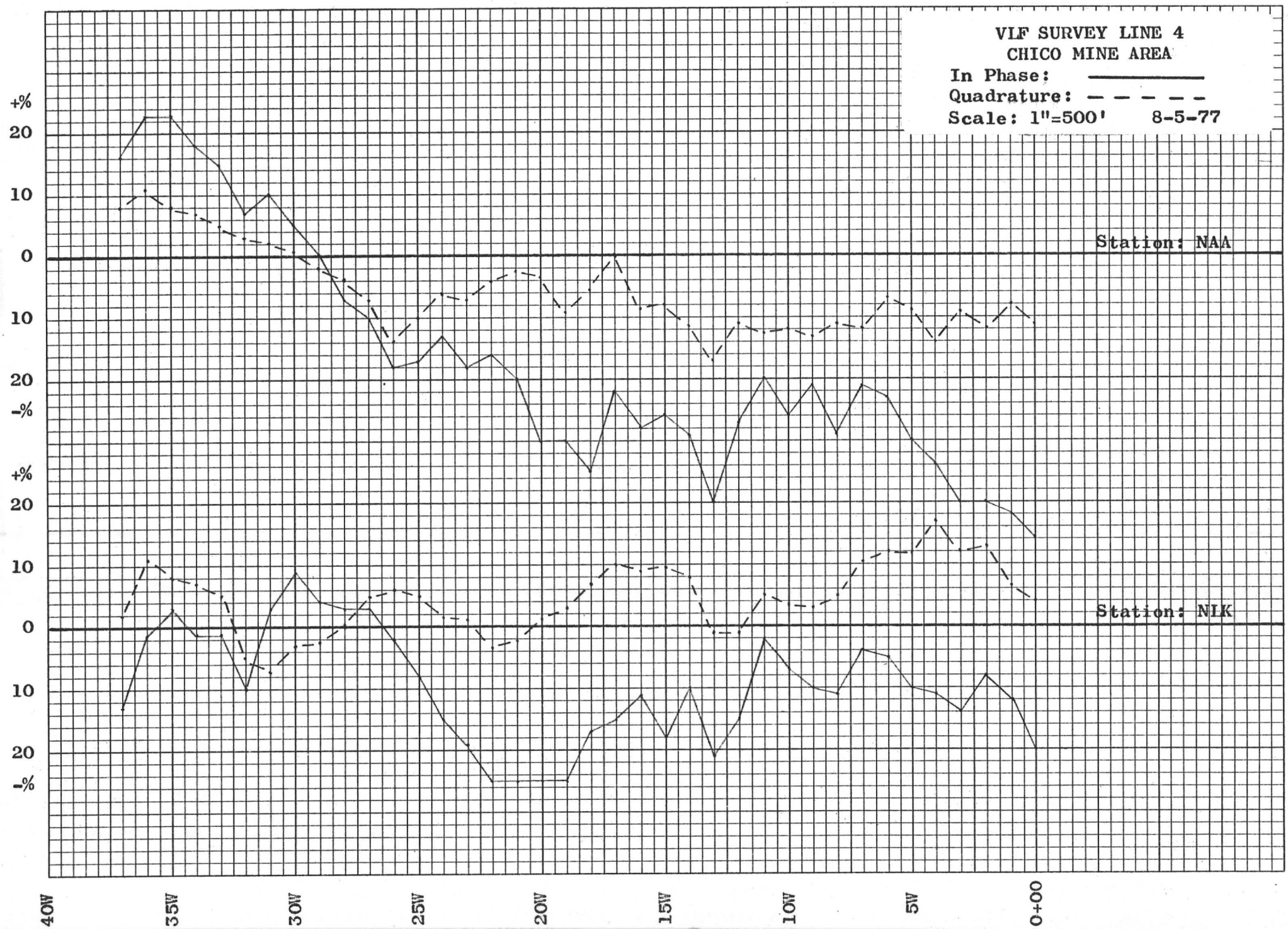

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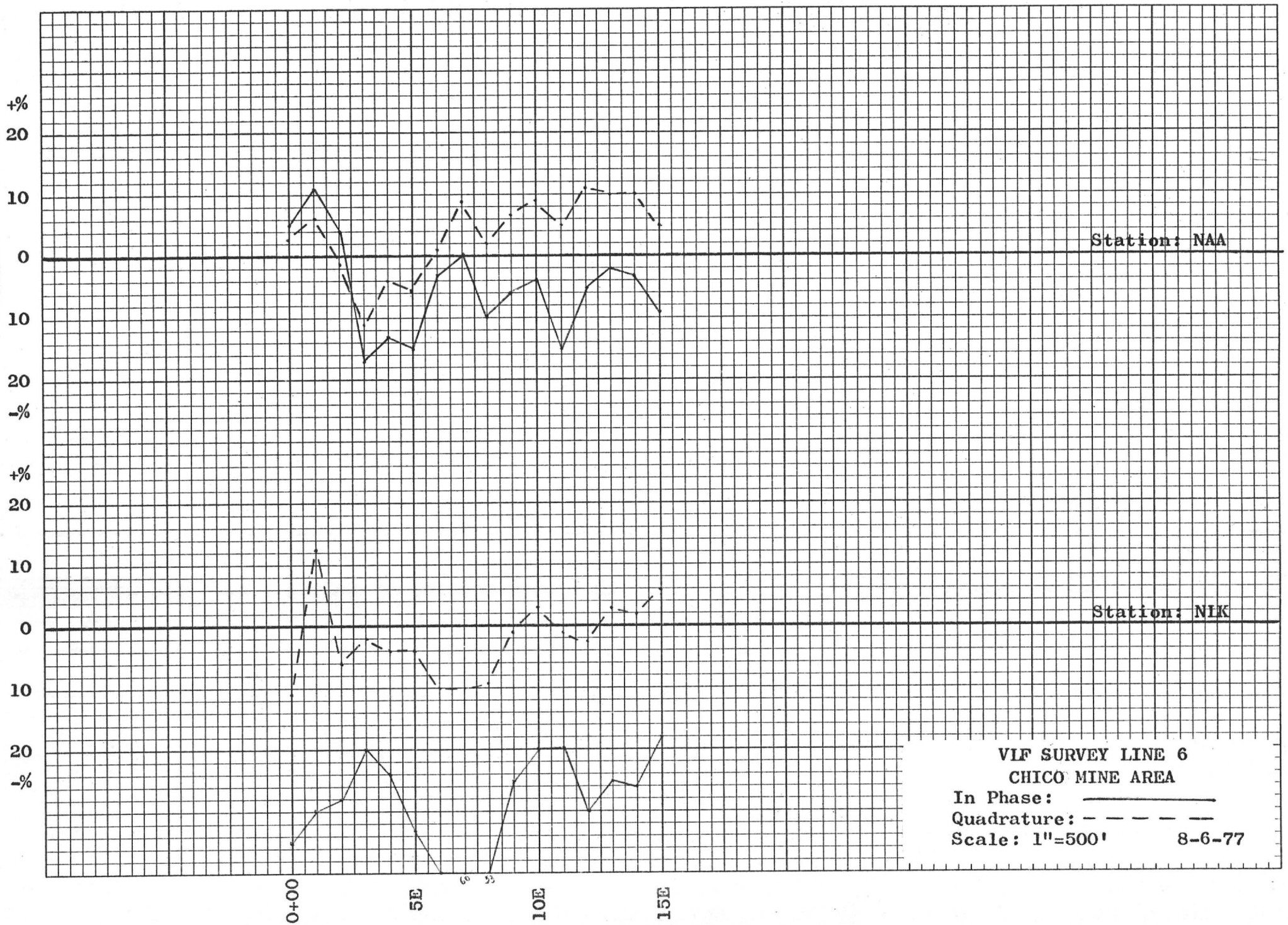

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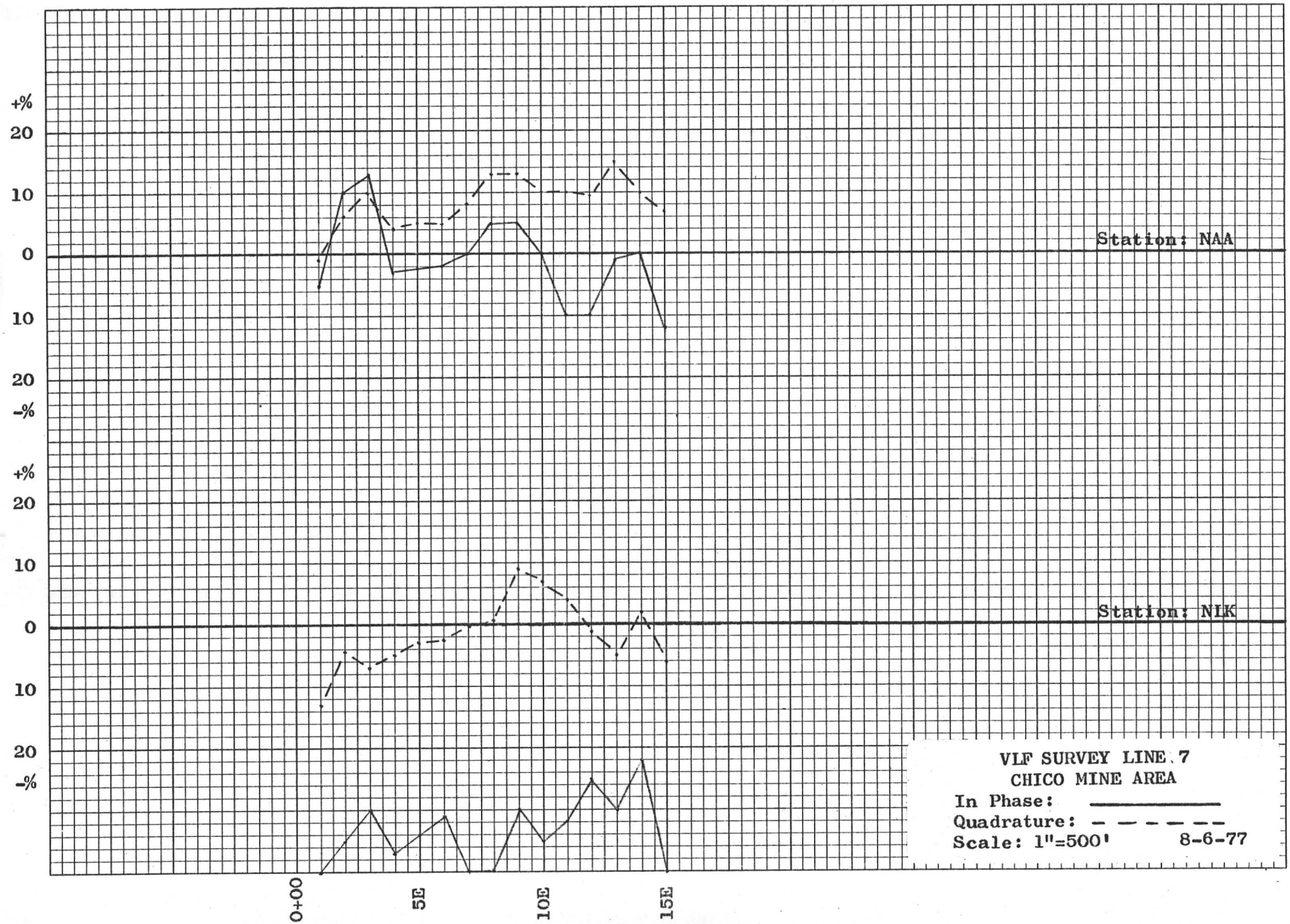

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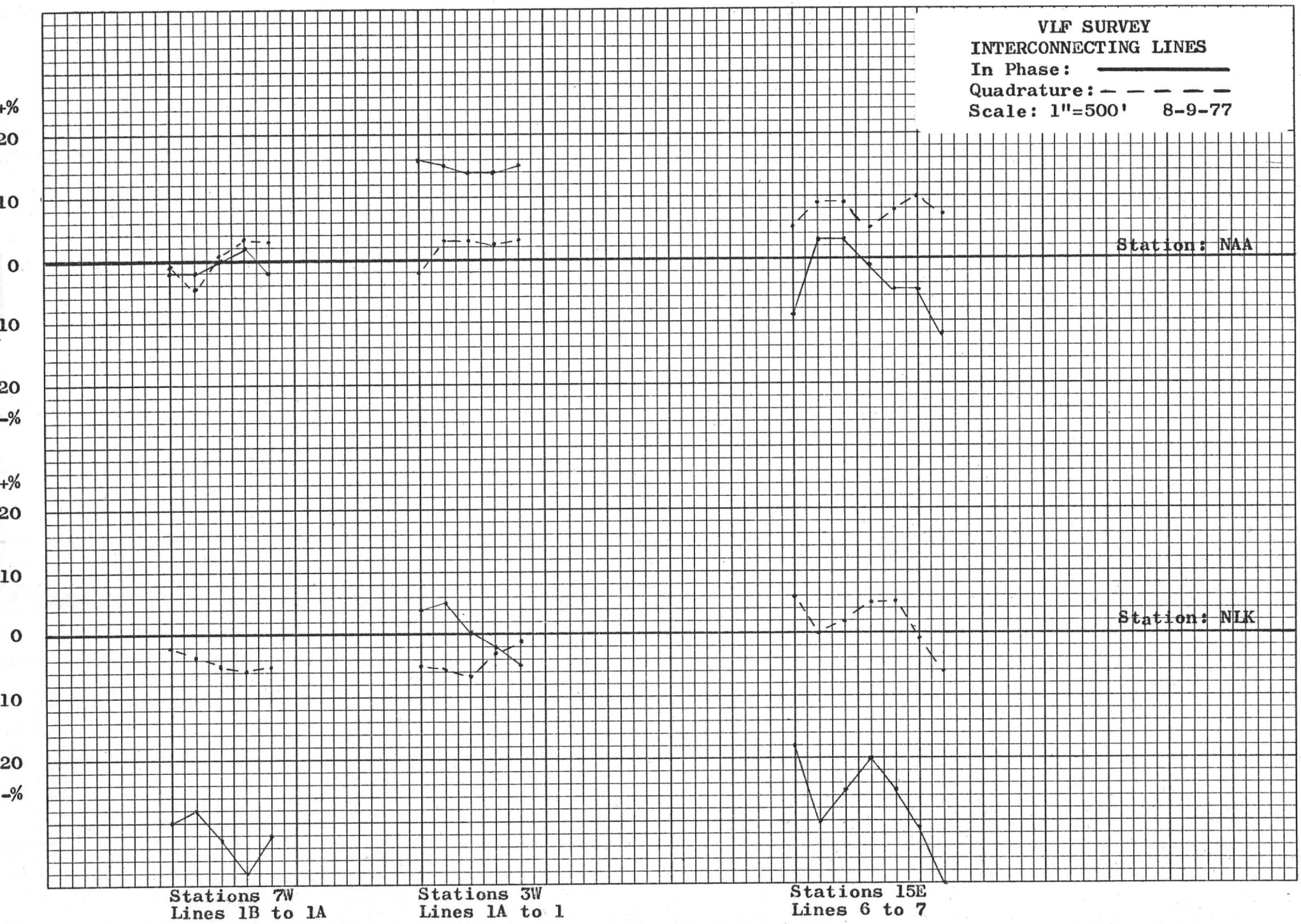


Arizona Testing Laboratories

817 West Madison · Phoenix, Arizona 85007 · Telephone 254-6181

WILLIAM VANDERWALL
GEOLOGIST

For

Date July 18, 1980

PACIFIC REGIONAL OPERATIONS, INC. P.O. Box 716
(602) 994-3147 SCOTTSDALE, ARIZONA 85252

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER	LEAD	ZINC	
6901	7 C-1	2.8	54.				
	8 G-10S	0.55	68.				
	9 J-10S	3.3	48.	12. %	6.0 %	2.1 %	
	10 LB 1C	3.3	5.3	0.43	0.35	0.23	
	11 LB IV	3.3	26.				
	12 M IV	0.15	1.6				

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E. McLean, Jr.

Claude E. McLean, Jr.

Registered Assayer
CERTIFICATE NO
6258
CLAUDE EUGENE
McLEAN, JR.
Signed 7/18/80
ARIZONA, U.S.A.

PACIFIC
REGIONAL
OPERATIONS, INC. P.O. Box 716 • Scottsdale, Arizona 85252 • (602) 994-3147

ASSAY SAMPLE DESCRIPTIONS

Map I.D. No/Identification No	Description
1/1	Surface of Bronco Dyke, Cu-Mn staines on diabase (?) - no visible minerals except green cloritic (?) alteration throughout.
2/2	Shallow underground sample from fault gouge along Bronco Dyke. Blue-black mudlike gouge with ubiquitous euhedral pyrite (Ca. 1mm)
3/3	Dump sample of upper Mint vein - mostly Qtz., py., py. xlt stepped and silvery colored, milky Qtz., some black oxide.
4/4	Underground sample of upper Mint vein, Qtz., py., galena, spalerite, good xltn sample high grade (?). Vein 18" wide at sample location, appears continuous with respect to Qtz., but py., ga., sp, spotty.
5/5	UG sample of Cashier vein. Primarily Qtz, py., sp.; vein 1' wide at sample location with green and white mudlike gouge 1' each side of vein. Sample taken at cave-in 50' down shaft.
6/6	Underground sample at unnamed prospect tunnel, oxidized sample with some residual pyrite. Brown color, oxidized, friable zone about 2' wide and continuous.
7/C-1	Dump sample at cashier tunnel - high grade ore reported from this tunnel but presently inaccessible. Sample partly oxidized with blue-green, white and black alteration visible minerals are Qtz., ccp., py., ga., sp. very dense and hard.
8/G-10 S	Ore stockpile sample from Goetz shaft. Copper and iron oxides in fractures of very hard Qtz. vein. 5-10 tons stockpiled. Shaft caved and inaccessible but vein 2' wide at surface.
9/J-10 S	Ore stockpile from Jamison 300 (?) foot level, massive chalcopyrite, pyrite and galena in Qtz host. Very high grade sample from ore shoot (?).

ASSAY SAMPLE DESCRIPTIONS (cont'd.)

Map I.D. No/Idenfication No.	Description
10/LB-1C	Underground sample of in-place oxidized ore pod ca. 1' wide, massive black coated (MnO_2 ?) very hard Qtz. with brown limonitic (?) streaks, vugs with gypsum needles.
11/LB-IV	Same as above but sample cut across vein plus 1' gouge zone either side. Clay gouge brown to grey. Slickenslide surface adjacent to gouge.
12/M-IV	Underground sample from lower Mint vein - comb Qtz. with comb filled with calcite plus black oxide and few residual pyrite crystals. 4'-6' vein width.
13/water	Stream water approximately 100 yards from spring, here rocks in stream bead are blue-green from copper precipitation. White zinc precipitate downstream. Spring appears to drain dyke-vein system.
14/1	Surface sample from shallow pit oxidized vein - blue-green and brown coloration - vein 6" wide.
15/2	Same vein as above 400' uphill vein slighty wider and difficult to trace.
16/3	Underground sample from Bluebird mine; sample similar to 14/1&15/2 so same type vein
17/4	Wall rock to 16/3
18/5	Surface sample - same vein as 14/1 & 15/2 This vein tracable for 1/4 mile.
19/5	Ore stockpile sample of American Legion 400' level ore. Galena, pyrite sphalerite, high grade sample.
20/6	Ore stockpile sample at location of very high grade ore, now mined out - sample black, very heavy and hard. No visible minerals.
21/LB-1C	Fire assay of sample 10/LB-1C
22/J-10S	Fire assay of sample 9/J-10S

IRON KING ASSAY OFFICE

ASSAY CERTIFICATE

BOX 14 — PHONE 632-7410

HUMBOLDT, ARIZONA 86329

KEVIN M. KENNEY
1301 Lemon St.
Tempe, Ariz. 85281

January 14, 1975

no.	SAMPLE DESCRIPTION	Gold oz/ton	Silver oz/ton	$ Gold	$ Silver	TOTAL
-1	26-A-1 Brown	.006	0.82	.72	3.69	4.41
2	26A-2MG Brown Lor green	.032	7.64	3.84	34.38	38.22
-3	26-A-3 Brown	.018	1.40	2.16	6.3	8.46
-4	26-B-1 Dump gold claim tan	Tr	0.68		3.05	3.05
-5	26-B-2 dump	Tr	0.36		1.62	1.62
-6	26-C-1 Red Tuff VN w/ quartz south.	.012	1.49	1.44	6.705	8.145
-7	26-C-2 north qtz	Tr	2.38		10.71	10.71
-8	26-DC-2 Bone qtz	Tr	3.30		14.85	14.85
-9	26-DC-3 N of wall	.014	4.87	1.68	21.919	23.59
-10	26-DC-4 S of wall	.030	4.38	3.6	19.71	23.31
-11	26-DD-4 VN [illegible] below	.366	5.72	43.93	25.69	69.62
-12	26-DCGD Gets shaft malachite co.	.384	35.64	46.08	160.42	206.42
-13	26-DCGD-2 Gets dump sulfide	.396	10.20	47.52	45.9	93.42
-14	26-D-LB2 Little Bay S/N road	.030	1.17	3.6	5.26	8.86
-15	26-D-98E Gets on qtz	Tr	0.78		3.51	3.51
-16	26-D-98S Dump at qtz	.020	5.62	2.4	25.29	25.29
-17	26-D-6SV VN gets shaft	.356	25.62	42.72	115.29	158.01
-18	26-D-W1 Tan VN cross mud pocket	.016	0.76	1.92	9.42	5.34
-19	26-D-98W Cut near qtz	.028	5.73	3.36	25.78	29.14
-20	26-M-D third Dump	.066	1.38	7.92	6.21	14.13

IRON KING ASSAY OFFICE

ASSAY CERTIFICATE

BOX 14 — PHONE 632-7410

HUMBOLDT, ARIZONA 86329

GENE HUDSON
RMC Corp.
910 So. Hohokam, Suite 115-116
Tempe, Ariz. 85281

Dec. 6, 1975

	SAMPLE DESCRIPTION	Silver oz/ton	Gold oz/ton	Lead %	Zinc %	Copper %
3	JD-R4 Screen Dump	.018	1.78	Nil	1.25	0.36
6	~~XXXXXX~~ JT-ESQS1 and Square sets Samples	Tr	Tr	nil	0.65	0.02
7	JT-ESQS2 "	.034	1.29	Nil	1.60	0.13
8	JT-ESQS3 "	.010	0.39	Nil	1.05	0.02
9	JT-A5-2 "	Tr	0.20	Nil	0.80	0.01
0	JT-EOT*R1 "	.014	0.49	Nil	1.35	0.02
1	JT Top A5-15 "	.456	41.58	Nil	19.55	3.98
2	~~XXXXXX~~ JD-A51	.016	0.59	Nil	1.10	0.05
3	JD-RS3 Screen Dump	.030	1.25	Nil	0.80	0.33
4	JD-T-1 Screen Dump	.020	1.64	Nil	0.65	0.19
5	BP-1 Little Boy shaft	.256	13.42	4.92	18.70	0.32
6	BP-2 Little Boy	Tr	0.34	Nil	0.65	0.02
7	JD-LS-2 Dump Screen	Tr	0.68	Nil	0.65	0.16
38	ME-1 From "98"	.002	0.42	Nil	0.55	0.05
39	~~XXXX~~ ME-2 Claim	.004	3.08	Nil	0.65	0.32
40	ME-3 Start	.028	5.07	Nil	0.55	0.69
41	M-2 Mend	.010	0.67	Nil	0.70	0.03
42	M-3	.006	0.24	Nil	0.60	0.03
43	M-4	.564	5.70	Nil	0.65	0.03
44	M-5	.006	0.32	Nil	0.65	0.01
45	M-6	.080	2.70	2.44	0.65	0.03
46	M-7	.018	0.46	Nil	0.65	0.02
	Av	.0715 oz	1.58 oz	0.335 %	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ROBERT Q. STATLER
Assayer 12/6/75
ARIZONA, U.S.A.

IRON KING ASSAY OFFICE

ASSAY CERTIFICATE

BOX 14 — PHONE 632-7410

HUMBOLDT, ARIZONA 86329

MADE FOR GENE HUDSON
RMC CORP.
910 So. Ho Ho Kam
Suite 115 - 116
Tempe Ariz. 85281

Dec. 6, 1975

Ref no.	SAMPLE DESCRIPTION	Gold oz/ton	Silver oz/ton	Lead %	Zinc %	Copper %
	LITTLE BOY SHAFT					
12-1-1	BP Vein	.026	12.21	1.74	21.30	0.04
12-1-2	M-1	.126	45.13	0.06	1.20	0.05
12-1-3	JT-EOT-L	Tr	0.36	0.03	1.40	0.02
12-1-4	A-1	.280	1.75	0.26	0.095	0.02
12-1-5	~~xxx~~ A'-1	.016	10.64	Nil	0.60	1.24
12-1-6	A-2	.024	8.32	0.20	0.45	1.98
12-1-7	A-3	.018	0.96	Nil	1.05	0.20
12-1-8	A-4	.002	1.16	0.48	1.35	0.14
12-1-9	B-1	.014	0.25	Nil	0.40	0.01
12-1-10	B-2	Tr	0.32	Nil	0.55	0.02
12-1-11	B-3	Tr	0.34	Nil	0.65	0.02
12-1-12	B-4	Tr	0.60	Nil	0.50	0.02
12-1-13	B-5	Tr	0.54	Nil	0.35	0.02
12-1-14	D-1	.006	1.84	Nil	0.55	0.07
12-1-15	D-2	.032	7.13	0.34	0.10	0.05
12-1-16	D-3	.050	7.67	0.08	1.40	0.04
12-1-17	D-4	.506	17.57	0.10	0.60	3.54
12-1-18	D-5 Geolz	Tr	13.50	Nil	1.15	1.34
12-1-19	D-6	.070	8.29	0.58	1.80	0.11
12-1-20	D-7	.150	1.79	0.36	1.80	0.03
12-1-21	JD-R1	.010	1.87	Nil	0.95	0.22
12-1-22	JD-R3	.060	4.90	Nil	0.80	1.30
12-1-24	JD-TF4	.068	6.49	Nil	0.80	1.18
12-1-25	JD-BF5 Jameson Ring Bottom Front	.072	2.41	Nil	0.30	0.18

1435 SOUTH 10TH AVENUE
TUCSON, ARIZONA 85713

Jacobs Assay Office

Registered Assayers

Since 1880

PHONE 622-0813

Tucson, Arizona, 20 Aug. 1980

Sample Submitted by Mr. Arizona Testing Lab.

	Sample Marked	GOLD Ozs. per ton ore	GOLD ~~Value per ton ore*~~	SILVER Ozs. per ton ore	~~COPPER Per cent Wet Assay~~	~~LEAD Per cent Wet Assay~~	~~Per Cent Wet Assay~~	~~Per Cent Wet Assay~~	~~Per Cent Wet Assay~~
	6901 -								
21	LB-1C	2.018	~	4.60		see LB1C description 7-18-80			
22	J105	12.02	~	47.10		see J105 description 7-18-80			

* Gold Figured ~~$300.00 per oz.~~ Troy

Charges $ 12.00

Very respectfully,

Jacobs Assay Office

Arizona Testing Laboratories

817 West Madison · Phoenix, Arizona 85007 · Telephone 254-6181

WILLIAM VANDERWALL
GEOLOGIST

For

Date July 2, 1980

PACIFIC REGIONAL OPERATIONS, INC. P.O. Box 716
(602) 994-3147 SCOTTSDALE, ARIZONA 85252

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
6646	14 #1	0.08	46.				
	15 2	0.13	16.				
	16 3	0.16	43.				
	17 4	0.14	4.8				
	18 5	0.03	20.				
	19 6	0.04	23.				
	20 7	0.49	0.50				

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E. McLean, Jr.

Certified Assayer
Certificate No. 6258
Claude Eugene McLean, Jr.
Date Signed 7/1/80
Arizona, U.S.A.

Arizona Testing Laboratories

817 West Madison · Phoenix, Arizona 85007 · Telephone 254-6181

WILLIAM VANDERWALL
GEOLOGIST

For

Date July 16, 1980

PACIFIC REGIONAL OPERATIONS, INC. P.O. Box 716
(602) 994-3147 SCOTTSDALE, ARIZONA 85252

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER	LEAD	ZINC	
	MAP I.D. NO.						
6825	1 #1	Trace	3.4				
	2 #2	Trace	2.2	0.32	0.13	0.32	
	3 #3	0.01	0.40	0.02	0.24	0.26	
	4 #4	0.84	14.	0.37	8.3	13.	
	5 #5	0.17	4.5	0.11	0.66	5.0	
	6 #6	0.01	0.60	2.8	0.08	0.25	

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E McLean

Claude E. McLean, Jr.

Registered Assayer
CERTIFICATE NO. 8258
CLAUDE EUGENE McLEAN, JR.
Date Signed 7/16/82
ARIZONA, U.S.A.

Arizona Testing Laboratories

817 West Madison · Phoenix, Arizona 85007 · Telephone 254-6181

WILLIAM VANDERWALL
GEOLOGIST

For

Date July 18, 1980

PACIFIC REGIONAL OPERATIONS, INC. P.O. Box 716
(602) 994-3147 SCOTTSDALE, ARIZONA 85252

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER	LEAD	ZINC	
6901	7 C-1	2.8	54.				
	8 G-10S	0.55	68.				
	9 J-10S	3.3	48.	12. %	6.0 %	2.1 %	
	10 LB 1C	3.3	5.3	0.43	0.35	0.23	
	11 LB IV	3.3	26.				
	12 M IV	0.15	1.6				

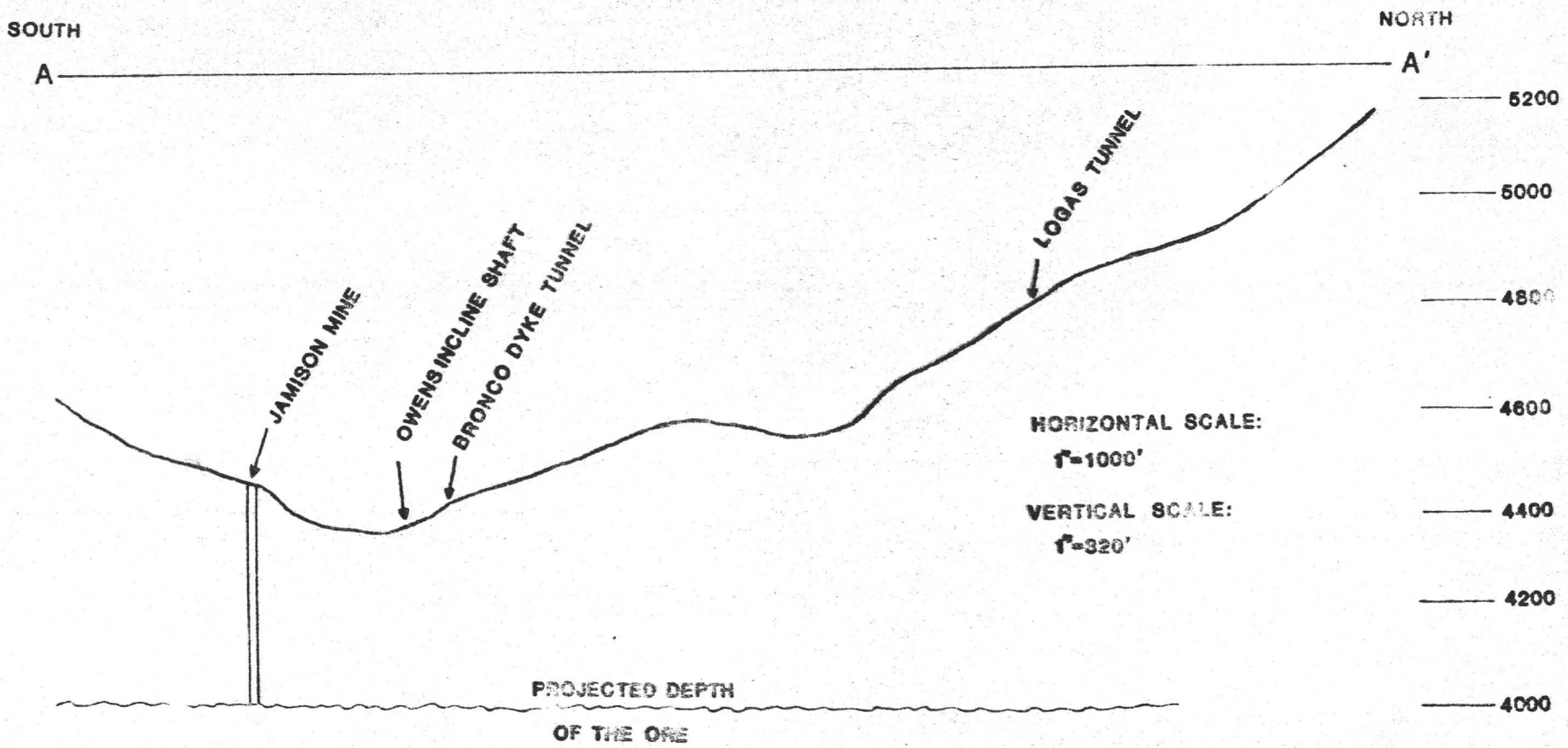
Respectfully submitted,
ARIZONA TESTING LABORATORIES

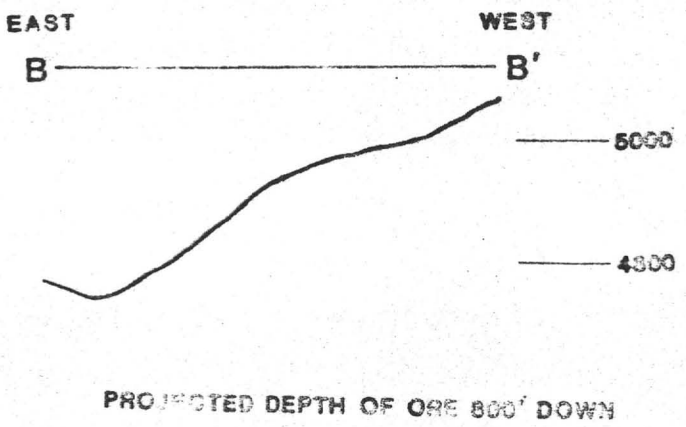
Claude E. McLean, Jr.

Claude E. McLean, Jr.

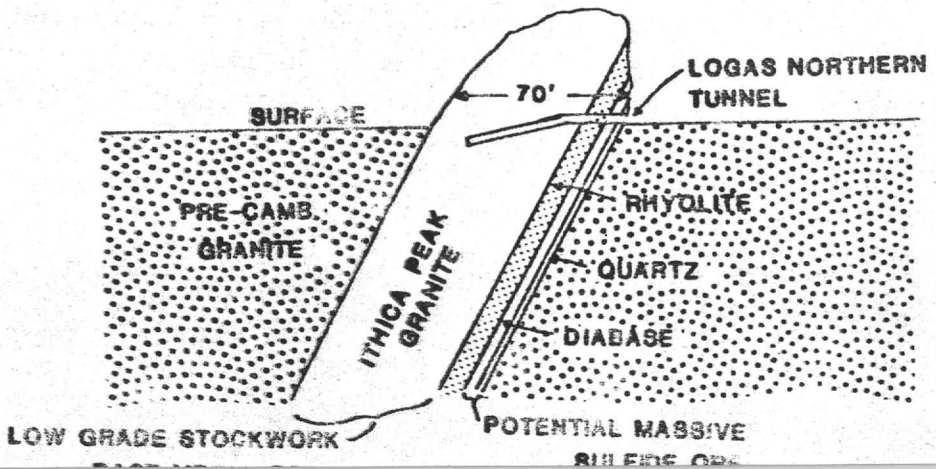
Registered Assayer
CERTIFICATE NO
6258
CLAUDE EUGENE
McLEAN, JR.
Signed 7/18/80
ARIZONA, U.S.A.

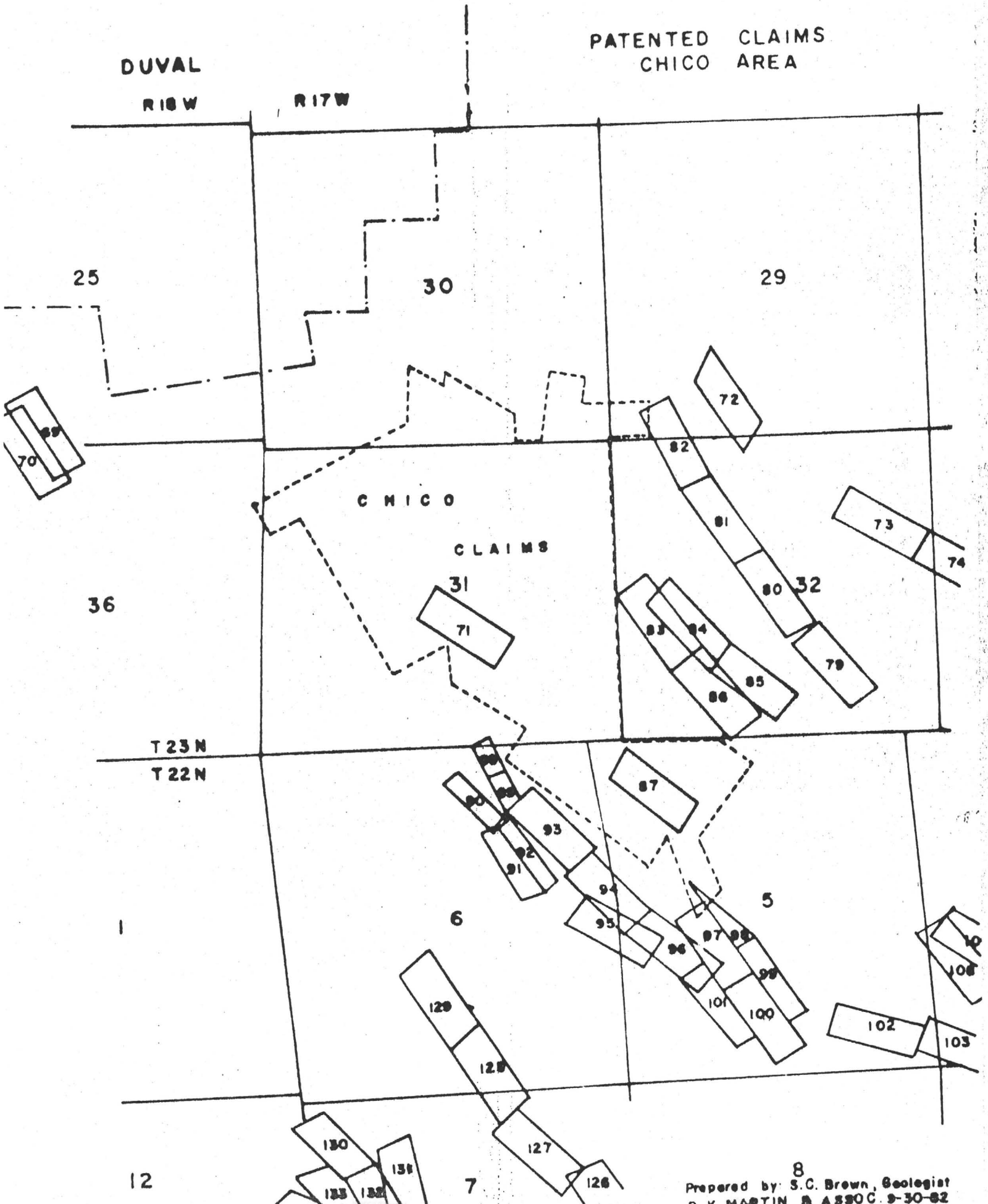
CROSS SECTIONS: BRONCO DYKE



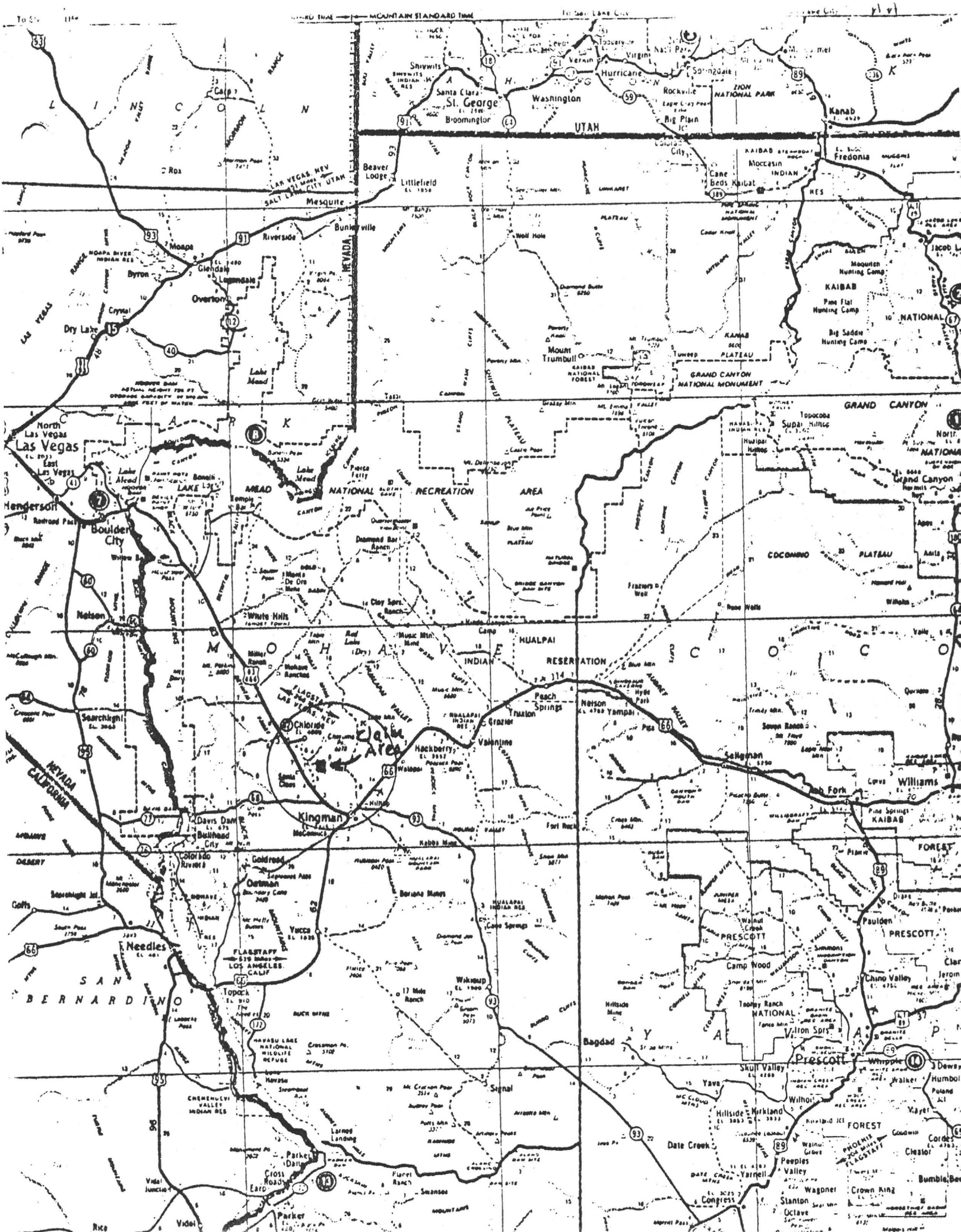


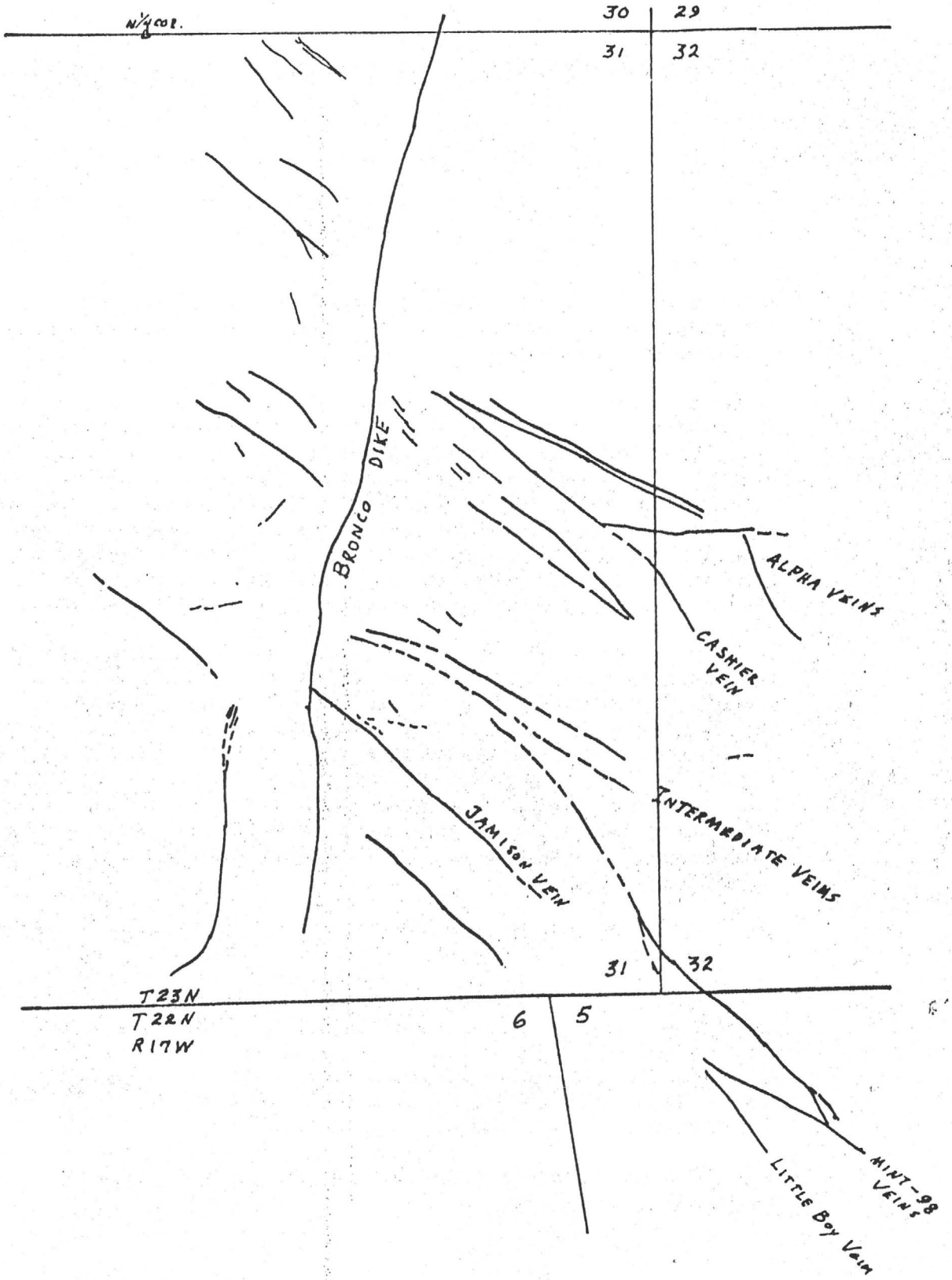
CROSS SECTION OF BRONCO DYKE AT LOGAS TUNNEL





Prepared by: S.C. Brown, Geologist
D.K. MARTIN & ASSOC. 9-30-82


MOUNTAIN STANDARD TIME
UTAH
NEVADA
CALIFORNIA
ARIZONA
LINCOLN
CLARK
MOHAVE
YAVAPAI
COCONINO
SAN BERNARDINO
Las Vegas
North Las Vegas
East Las Vegas
Henderson
Boulder City
Nelson
Searchlight
Needles
Kingman
Davis Dam
Bullhead City
Colorado Riverside
Goldroad
Oatman
Topock
Yucca
Chloride
Hackberry
Valentine
Peach Springs
Seligman
Williams
Grand Canyon
Prescott
Prescott Valley
Bagdad
Congress
Wickenburg
Parker
Parker Dam
Cross Roads
Earp
Vidal Junction
Rice
Vidal
Signal
Wikieup
Mohave Valley
Bullhead City
Mesquite
Bunkerville
Moapa
Glendale
Logandale
Overton
Dry Lake
Crystal
Riverside
Beaver Lodge
Littlefield
Santa Clara
St. George
Ivins
Washington
Hurricane
Virgin
Rockville
Springdale
Zion National Park
Kanab
Fredonia
Moccasin
Cane Beds
Kaibab
Jacob Lake
Mount Trumbull
Tuweep
Grand Canyon National Monument
Grand Canyon
Lake Mead
Lake Mead National Recreation Area
Hualapai Indian Reservation
Kaibab National Forest
Prescott National Forest
Camp Wood
Chino Valley
Paulden
Skull Valley
Yava
Wilhoit
Kirkland
Date Creek
Peeples Valley
Wagoner
Stanton
Octave
Crown King
Cordes
Cleator
Bumble Bee
Humboldt
Poland Jct
Walker
Dewey
Whipple
Vulture Spring
Yarnell
Hillside
Walnut Grove
Mohave Valley
Claim Area



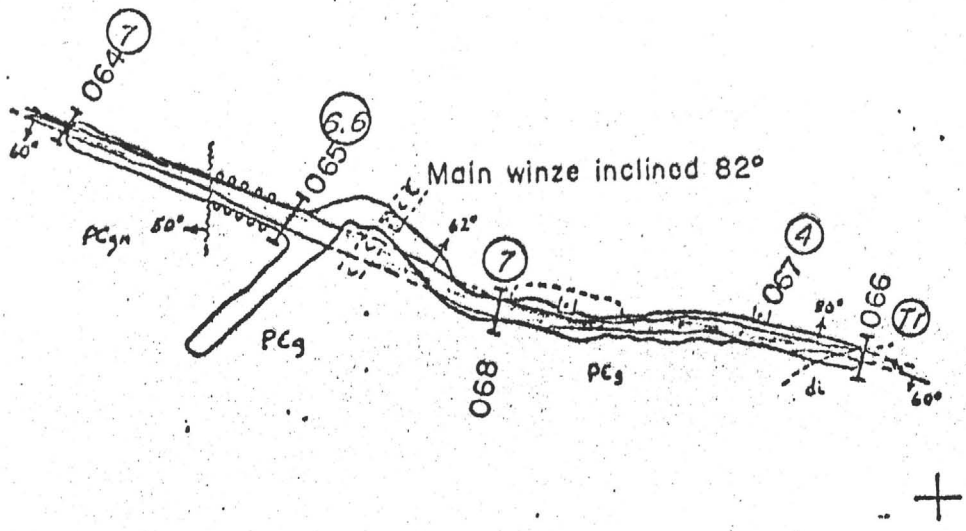
D.K. MARTIN & ASSOCIATES

Mining Administration
and
Development

4228 North 21st Avenue
Phoenix, Arizona 85015

DOUG MARTIN

SAMPLES						
No.	LENGTH FEET	Ag	Au	Cu	Pb – %	Zn
064	2'	6.9	.048	.60	.24	.15
065	7'	6.6	.039	1.90	.26	.08
066	6'	Tr	.002	.30	.26	.12
067	Muck	4.2	.022	.60	.30	.28
068	8'	7.0	.043	1.40	.69	.22



DUVAL CORPORATION – EXPLORATION DEPT.

CHICO MINE
JAMISON VEIN – 200' LEVEL

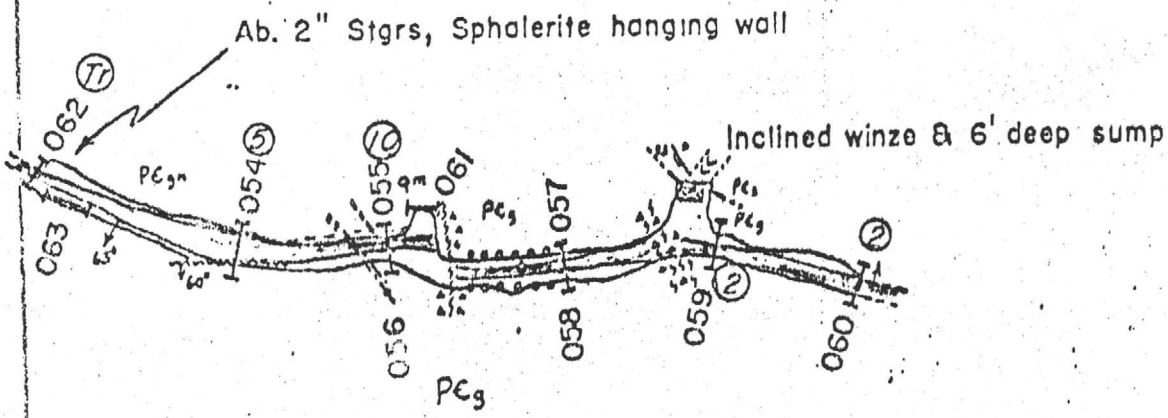
GEOLOGY & SAMPLE MAP

DATA BY J. W. | DRAWN BY J. W. | DATE 7/26/68

50' 25' 0' 50' 100'

STATE ARIZONA
COUNTY MOHAVE
TOWNSHIP, RANGE 23 N, 17 W
DWG. NO. B-2420
PLATE

	SAMPLES						
	No.	LENGTH FEET	Ag	Au	Cu	Pb - %	Zn
VEIN	054	5'	4.9	.017	.70	.30	.80
VEIN	055	2'	10.0	.031	3.80	.36	.50
GANGUE	056	5'	Tr	nil	.008	.28	.05
GANGUE	057	8'	0.7	.013	.12	.26	.07
GANGUE	058	9'	1.1	.011	.12	.26	.08
QTz Bx	059	8'	1.6	.016	.18	.31	.10
VEIN	060	6'	1.5	.029	.15	.31	.08
GANGUE	061	8'	Tr	.003	.02	.28	.01
VEIN	062	3'	0.4	.022	.04	.19	.09
GANGUE	063	10'	Tr	.057	.01	.18	.01



DUVAL CORPORATION—EXPLORATION DEPT.

CHICO MINE
JAMISON VEIN — 300' LEVEL 1968

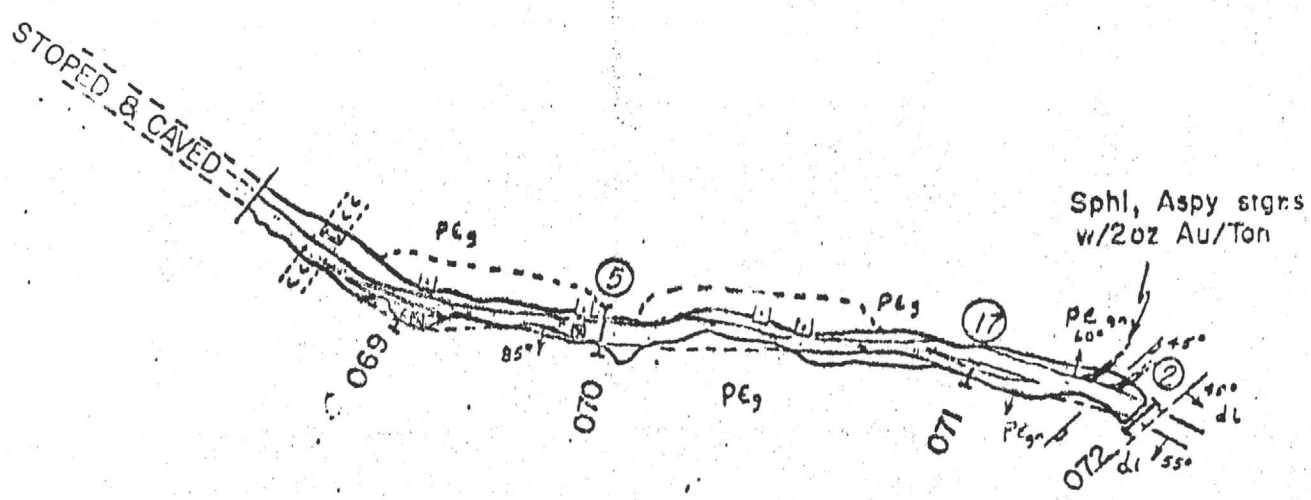
TYPE: GEOLOGY AND SAMPLE MAP

STATE: ARIZONA
COUNTY: MOHAVE
TWSHIP, RANGE: 23 N, 17 W
MAP NO.: B-2419

DATA BY: J.W. | DRAWN BY: J.W. | DATE: 7/26/68

50' 25' 0' 50' 100'

SAMPLES						
No.	LENGTH FEET	Ag	Au	Cu	Pb – %	Zn
069	4'	10.2	.031	1.90	.27	1.00
070	6'	5.0	.022	.70	1.59	.40
071	1.75'	17.0	.022	3.20	4.22	.40
072	6'	1.4	.018	.16	.46	1.20



DUVAL CORPORATION – EXPLORATION DEPT.

CHICO MINES
JAMISON VEIN — 100' LEVEL

TYPE
GEOLOGY & SAMPLE MAP

STATE: ARIZONA
COUNTY: MOHAVE
TOWNSHIP, RANGE: 23 N, 17 E
DWG. NO.: B-2421

DRAWN BY	DRAWN BY	DATE
J.W.	J.W.	7/26/68

IRON KING ASSAY OFFICE

ASSAY CERTIFICATE

BOX 14 — PHONE 632-7410
HUMBOLDT, ARIZONA 86329

KEVIN M. KENNEY
1301 Lemon St.
Tempe, Ariz. 85281

January 14, 1975

no.	SAMPLE DESCRIPTION	Gold oz/ton	Silver oz/ton	$ Gold	$ Silver	TOTAL
-1	26-A-1 Dr. VN	.006	0.82	.72	3.69	4.41
2	26A-2EG Dr. VN Lov green	.032	7.64	3.84	34.38	38.22
-3	26-A-3 Dr. VN	.018	1.40	2.16	6.3	8.46
-4	26-B-1 Dump gold clean ft VN	Tr	0.68		3.05	3.05
-5	26-B-2 dump	Tr	0.36		1.62	1.62
-6	26-C-1 Red Tuff VN w/ quartz south.	.012	1.49	1.44	6.705	8.145
-7	26-C-2 north qs	Tr	2.38		10.71	10.71
-8	26-DC-2 Base of ◺	Tr	3.30		14.85	14.85
-9	26-DC-3 N of ◺ wall	.014	4.87	1.68	21.919	23.59
-10	26-DC-4 S of ◺ wall	.030	4.38	3.6	19.71	23.31
-11	26-DD-4 VN ft [illegible]	.366	5.72	43.93	25.69	69.62
-12	26-DCGD Gets shaft malachite co.	.384	35.64	46.08	160.42	206.42
-13	26-DCGD-2 Gets dump sulfide	.396	10.20	47.52	45.9	93.42
-14	26-D-LB2 Little Bay S/N road	.030	1.17	3.6	5.26	8.86
-15	26-D-98E cut on 98W	Tr	0.78		3.51	3.51
-16	26-D-98S Dump at 98S	.020	5.62	2.4	25.29	25.29
-17	26-D-6SV VN gets shaft	.356	25.62	42.72	115.29	158.01
-18	26-D-W1 Tuff VN cross point Portal	.016	0.76	1.92	9.42	5.34
-19	26-D-98W cut near 98W	.028	5.73	3.36	25.78	29.14
-20	26-M-D Third Dump	.066	1.38	7.92	6.21	14.13

IRON KING ASSAY OFFICE

ASSAY CERTIFICATE

BOX 14 — PHONE 632-7410

HUMBOLDT, ARIZONA 86329

GENE HUDSON
RMC Corp.
910 So. Hohokam, Suite 115-116
Tempe, Ariz. 85281

Dec. 6, 1975

	SAMPLE DESCRIPTION	Silver oz/ton	Gold oz/ton	Lead %	Zinc %	Copper %
3	JD-R4 Screen Dump	.018	1.78	Nil	1.25	0.36
6	~~XXXXXX~~ JT-ESQS1 and Square Sets Samples	Tr	Tr	nil	0.65	0.02
7	JT-ESQS2 "	.034	1.29	Nil	1.60	0.13
8	JT-ESQS3 "	.010	0.39	Nil	1.05	0.02
9	JT-A5-2 "	Tr	0.20	Nil	0.80	0.01
0	JT-EOT*R1 "	.014	0.49	Nil	1.35	0.02
1	JT Top A5-15	.456	41.58	Nil	19.55	3.98
2	~~XXXXXX~~ JD-A51	.016	0.59	Nil	1.10	0.05
3	JD-RS3 Screen Dump	.030	1.25	Nil	0.80	0.33
4	JD-T-1 Screen Dump	.020	1.64	Nil	0.65	0.19
5	BP-1 Vein Little Boy shaft	.256	13.42	4.92	18.70	0.32
6	BP-2 Little Boy	Tr	0.34	Nil	0.65	0.02
7	JD-LS-2 Dump Screen	Tr	0.68	Nil	0.65	0.16
38	ME-1 From "96"	.002	0.42	Nil	0.55	0.05
39	~~XXXX~~ ME-2 Claim	.004	3.08	Nil	0.65	0.32
40	ME-3 Start	.028	5.07	Nil	0.55	0.69
41	M-2 — Next —	.010	0.67	Nil	0.70	0.03
42	M-3	.006	0.24	Nil	0.60	0.03
43	M-4	.564	5.70	Nil	0.65	0.03
44	M-5	.006	0.32	Nil	0.65	0.01
45	M-6	.080	2.70	2.44	0.65	0.03
46	M-7	.018	0.46	Nil	0.65	0.02
	Av	.0715 oz	1.58 oz	0.335 %	[illegible]	[illegible]

WALTER G. STATLER
Signed 12/6/75
ARIZONA, U.S.A.

IRON KING ASSAY OFFICE

ASSAY CERTIFICATE

BOX 14 — PHONE 632-7410

HUMBOLDT, ARIZONA 86329

MADE FOR GENE HUDSON
RMC CORP.
910 So. Ho Ho Kam
Suite 115 - 116
Tempe Ariz. 85281

Dec. 6, 1975

Ref no.	SAMPLE DESCRIPTION	Gold oz/ton	Silver oz/ton	Lead %	Zinc %	Copper %
12-1-1	BP Vein LITTLE BOY SHAFT	.026	12.21	1.74	21.30	0.04
12-1-2	M-1	.126	45.13	0.06	1.20	0.05
12-1-3	JT-EOT-L	Tr	0.36	0.03	1.40	0.02
12-1-4	A-1	.280	1.75	0.26	0.095	0.02
12-1-5	~~xxx~~ A'-1	.016	10.64	Nil	0.60	1.24
12-1-6	A-2	.024	8.32	0.20	0.45	1.98
12-1-7	A-3	.018	0.96	Nil	1.05	0.20
12-1-8	A-4	.002	1.16	0.48	1.35	0.14
12-1-9	B-1	.014	0.25	Nil	0.40	0.01
12-1-10	B-2	Tr	0.32	Nil	0.55	0.02
12-1-11	B-3	Tr	0.34	Nil	0.65	0.02
12-1-12	B-4	Tr	0.60	Nil	0.50	0.02
12-1-13	B-5	Tr	0.54	Nil	0.35	0.02
12-1-14	D-1	.006	1.84	Nil	0.55	0.07
12-1-15	D-2	.032	7.13	0.34	0.10	0.05
12-1-16	D-3	.050	7.67	0.08	1.40	0.04
12-1-17	D-4	.506	17.57	0.10	0.60	3.54
12-1-18	D-5 Quartz	Tr	13.50	Nil	1.15	1.34
12-1-19	D-6	.070	8.29	0.58	1.80	0.11
12-1-20	D-7	.150	1.79	0.36	1.80	0.03
12-1-21	JD-R1	.010	1.87	Nil	0.95	0.22
12-1-22	JD-R3	.060	4.90	Nil	0.80	1.30
12-1-24	JD-TF4	.068	6.49	Nil	0.80	1.18
12-1-25	JD-BF5 Jameson Ring Bottom Front	.072	2.41	Nil	0.30	0.18

1435 SOUTH 10TH AVENUE
TUCSON, ARIZONA 85713

Jacobs Assay Office

Registered Assayers

Since 1880

PHONE 622-0813

Tucson, Arizona, 20 Aug. 1980

Sample Submitted by Mr. Arizona Testing Lab.

	Sample Marked	GOLD Ozs. per ton ore	GOLD ~~Value per ton ore*~~	SILVER Ozs. per ton ore	~~COPPER Per cent Wet Assay~~	~~LEAD Per cent Wet Assay~~	~~Per Cent Wet Assay~~	~~Per Cent Wet Assay~~	~~Per Cent Wet Assay~~
	16901 -								
21	LB-1C	2.018	~	4.60		See LB1C Description 7-18-80			
22	J105	12.02	~	47.10		See J105 Description 7-18-80			

* Gold Figured ~~$300.00 per oz.~~ Troy

Charges $ 12.00

Very respectfully,

Arizona Testing Laboratories

817 West Madison · Phoenix, Arizona 85007 · Telephone 254-6181

WILLIAM VANDERWALL
GEOLOGIST

For

Date July 2, 1980

PACIFIC REGIONAL OPERATIONS, INC. P.O. Box 716
(602) 994-3147 SCOTTSDALE, ARIZONA 85252

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
6646	14 #1	0.08	46.				
	15 2	0.13	16.				
	16 3	0.16	43.				
	17 4	0.14	4.8				
	18 5	0.03	20.				
	19 6	0.04	23.				
	20 7	0.49	0.50				

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E. McLean, Jr.

Registered Assayer
CERTIFICATE NO. 6258
CLAUDE EUGENE McLEAN, JR.
Date Signed 7/2/80
ARIZONA, U.S.A.

Arizona Testing Laboratories

817 West Madison · Phoenix, Arizona 85007 · Telephone 254-6181

WILLIAM VANDERWALL
GEOLOGIST

For

Date July 16, 1980

PACIFIC REGIONAL OPERATIONS, INC. P.O. Box 716
(602) 994-3147 SCOTTSDALE, ARIZONA 85252

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER	LEAD	ZINC	
	MAP I.D. NO.						
6825	1 #1	Trace	3.4				
	2 #2	Trace	2.2	0.32	0.13	0.32	
	3 #3	0.01	0.40	0.02	0.24	0.26	
	4 #4	0.84	14.	0.37	8.3	13.	
	5 #5	0.17	4.5	0.11	0.66	5.0	
	6 #6	0.01	0.60	2.8	0.08	0.25	

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E McLean

Claude E. McLean, Jr.

Registered Assayer
CERTIFICATE NO. 6258
CLAUDE EUGENE McLEAN, JR.
Date Signed 7/16/80
ARIZONA, U.S.A.

Arizona Testing Laboratories

817 West Madison · Phoenix, Arizona 85007 · Telephone 254-6181

WILLIAM VANDERWALL
GEOLOGIST

For

Date July 18, 1980

PACIFIC REGIONAL OPERATIONS, INC. P.O. Box 716
(602) 994-3147 SCOTTSDALE, ARIZONA 85252

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER	LEAD	ZINC	
6901	7 C-1	2.8	54.				
	8 G-10S	0.55	68.				
	9 J-10S	3.3	48.	12. %	6.0 %	2.1 %	
	10 LB 1C	3.3	5.3	0.43	0.35	0.23	
	11 LB IV	3.3	26.				
	12 M IV	0.15	1.6				

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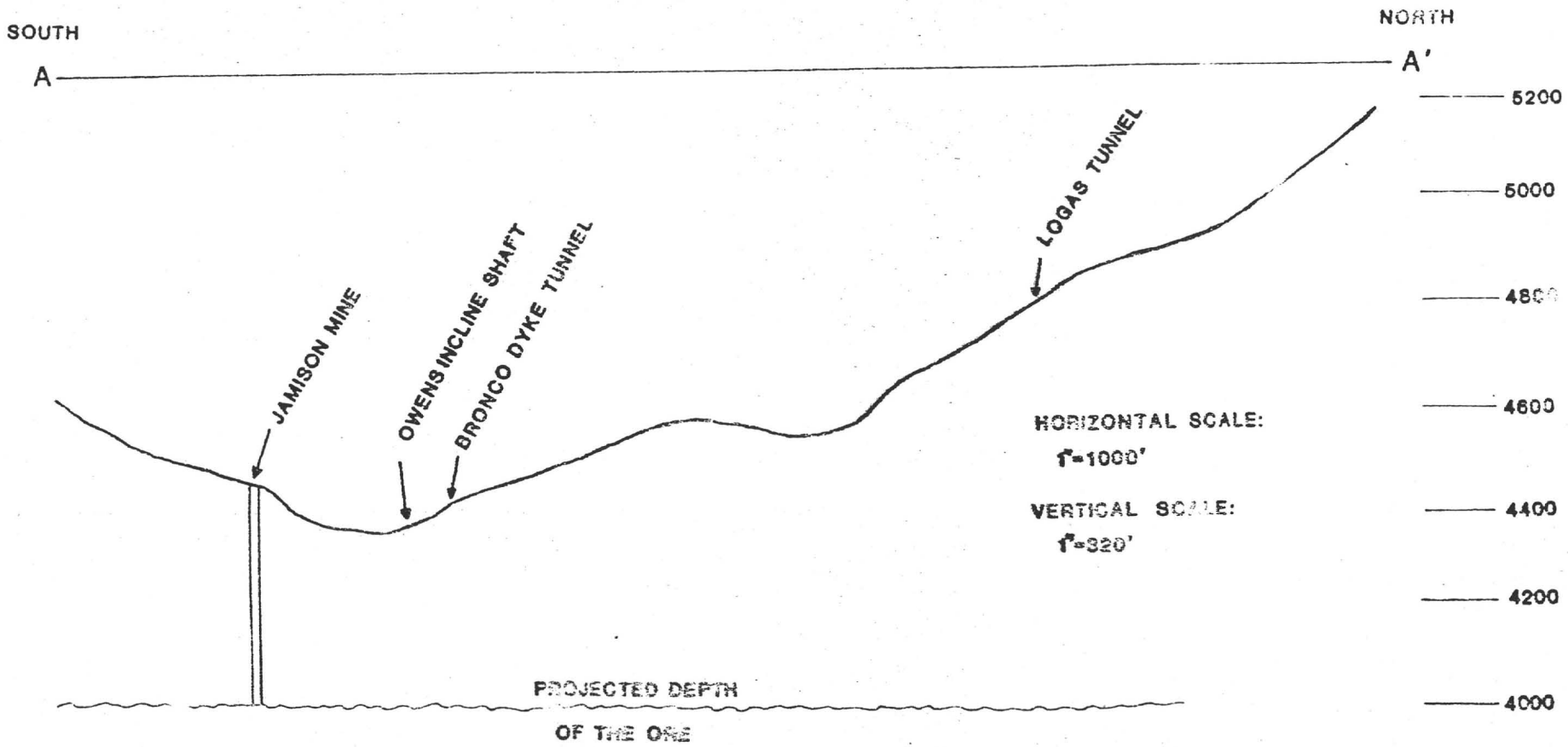
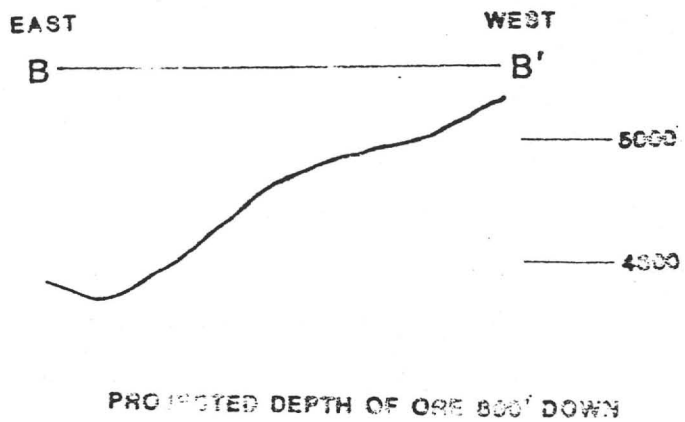
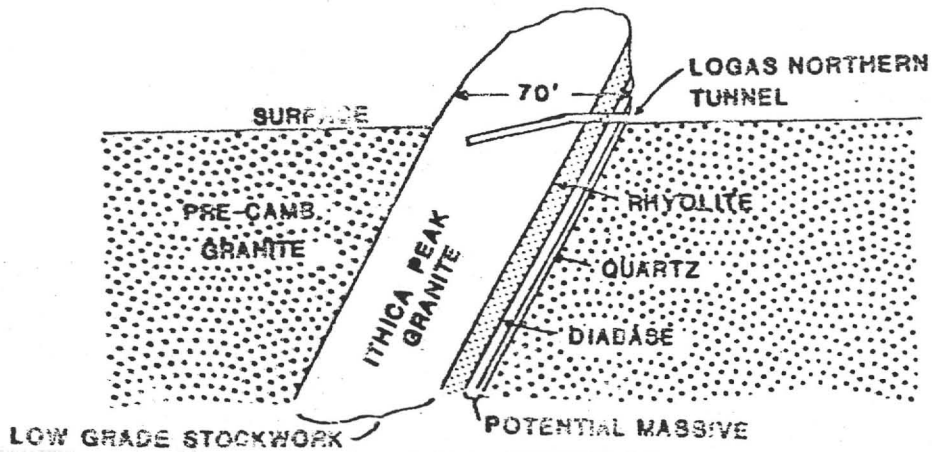
McLEAN, JR.
Signed 7/18/80
ARIZONA, U.S.A.

CROSS SECTIONS: BRONCO DYKE

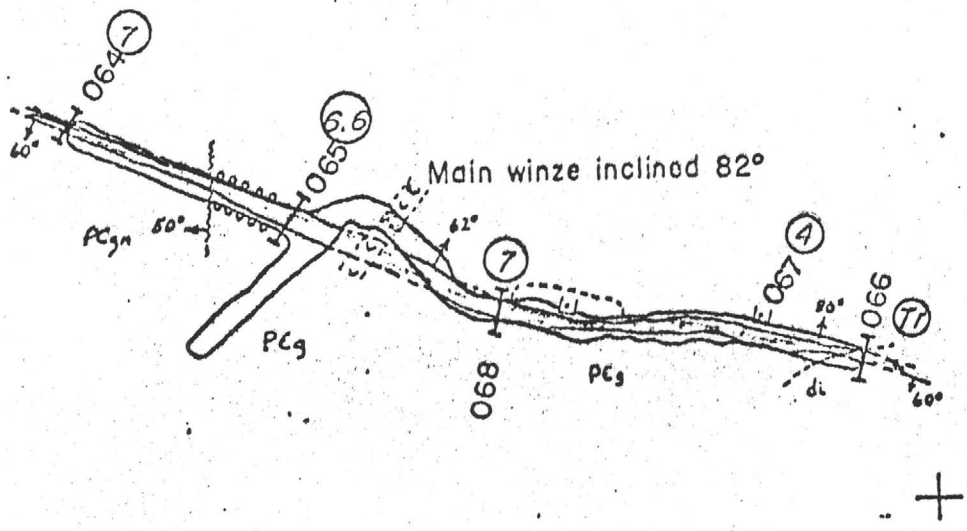




CROSS SECTION OF BRONCO DYKE AT LOGAS TUNNEL



SAMPLES						
No.	LENGTH FEET	Ag	Au	Cu	Pb – %	Zn
064	2'	6.9	.048	.60	.24	.15
065	7'	6.6	.039	1.90	.26	.08
066	6'	Tr	.002	.30	.26	.12
067	Muck	4.2	.022	.60	.30	.28
068	8'	7.0	.043	1.40	.69	.22



DUVAL CORPORATION – EXPLORATION DEPT.

CHICO MINE
JAMISON VEIN – 200' LEVEL

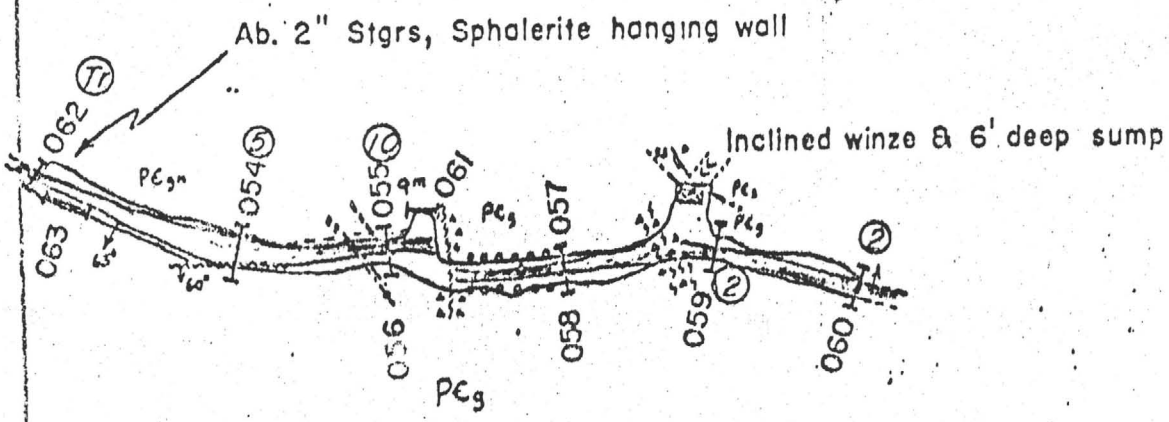
GEOLOGY & SAMPLE MAP

DATA BY J. W. | DRAWN BY J. W. | DATE 7/26/68

50' 25' 0' 50' 100'

STATE ARIZONA
COUNTY MOHAVE
TOWNSHIP, RANGE 23 N, 17 W
DWG. NO. B-2420
PLATE

	SAMPLES						
	No.	LENGTH FEET	Ag	Au	Cu	Pb - %	Zn
VEIN	054	5'	4.9	.017	.70	.30	.80
VEIN	055	2'	10.0	.031	3.80	.36	.50
GANGUE	056	5'	Tr	nil	.008	.28	.05
GANGUE	057	8'	0.7	.013	.12	.26	.07
GANGUE	058	9'	1.1	.011	.12	.26	.08
QTz Bx	059	8'	1.6	.016	.18	.31	.10
VEIN	060	6'	1.5	.029	.15	.31	.08
GANGUE	061	8'	Tr	.003	.02	.28	.01
VEIN	062	3'	0.4	.022	.04	.19	.09
GANGUE	063	10'	Tr	.057	.01	.18	.01



DUVAL CORPORATION - EXPLORATION DEPT.

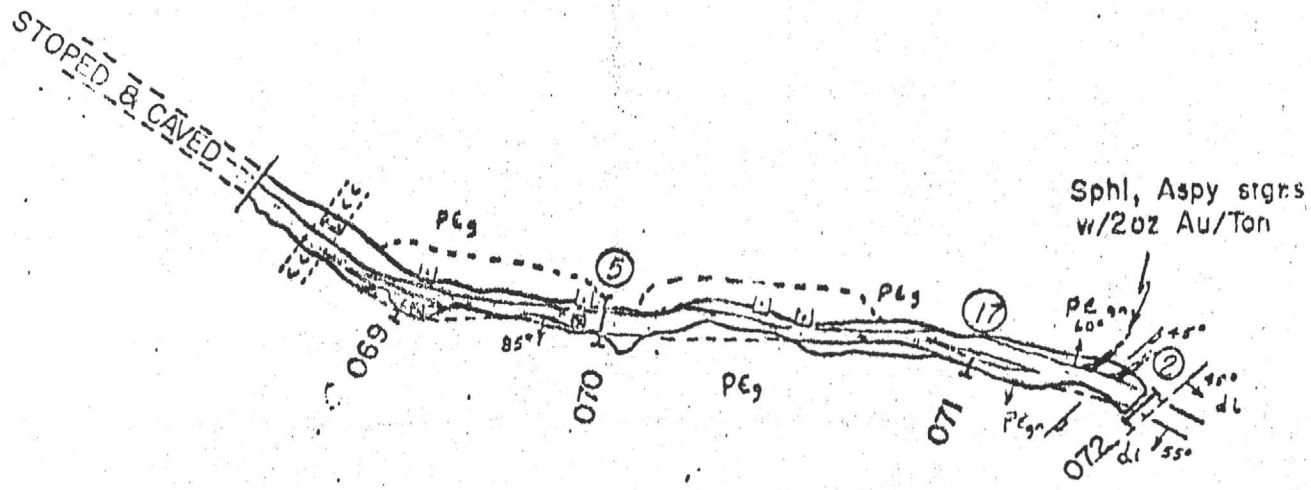
CHICO MINE
JAMISON VEIN — 300' LEVEL 1968

GEOLOGY AND SAMPLE MAP

DATA BY J.W.	DRAWN BY J.W.	DATE 7/26/68	
50' 25' 0' 50' 100'			

STATE ARIZONA
COUNTY MOHAVE
TWSHIP, RANGE 23 N, 17 W
MAP NO. B-2419

SAMPLES						
No.	LENGTH FEET	Ag	Au	Cu	Pb – %	Zn
069	4'	10.2	.031	1.90	.27	1.00
070	6'	5.0	.022	.70	1.59	.40
071	1.75'	17.0	.022	3.20	4.22	.40
072	6'	1.4	.018	.16	.46	1.20



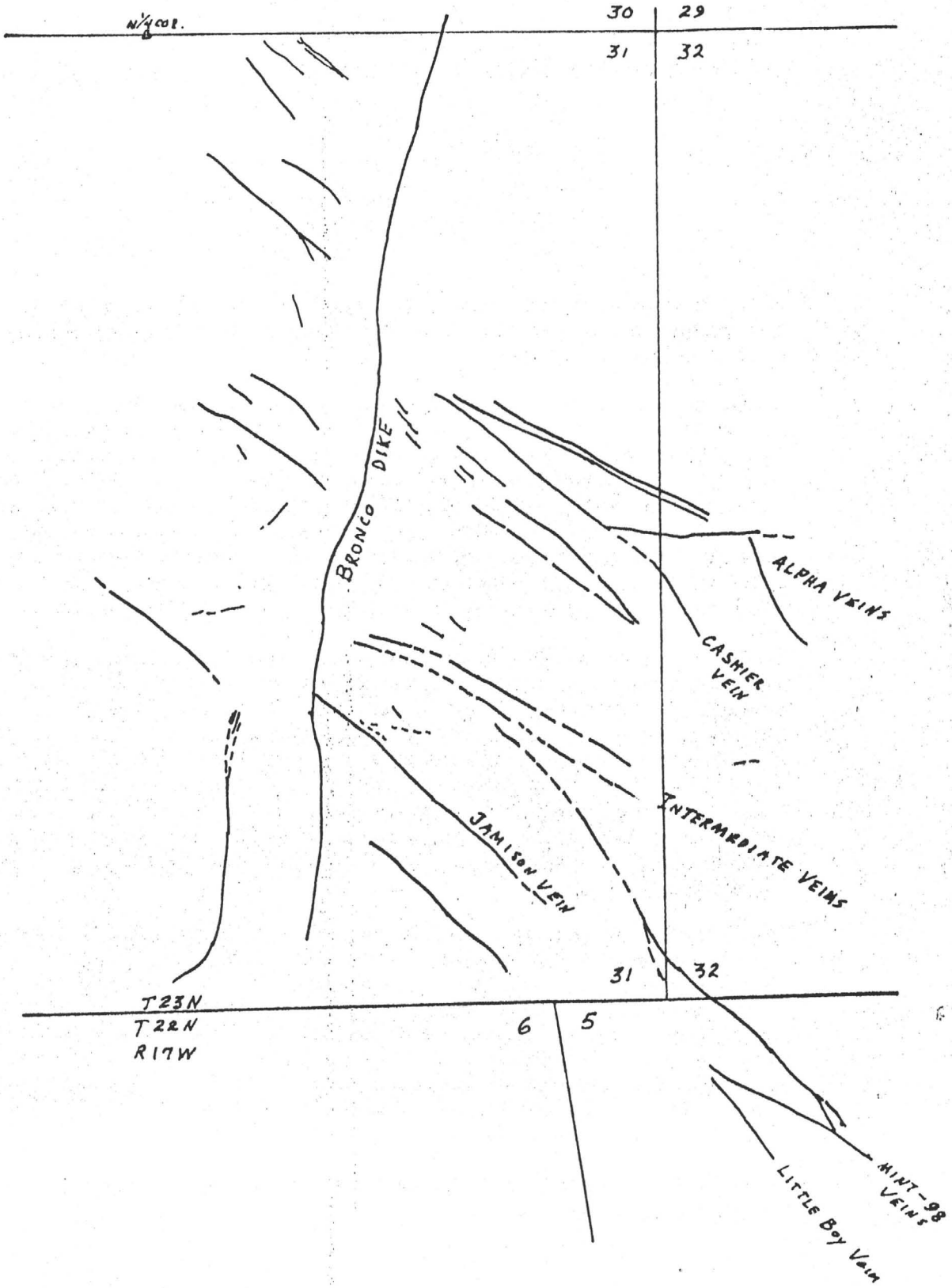
DUVAL CORPORATION – EXPLORATION DEPT.

CHICO MINES
JAMISON VEIN — 100' LEVEL

TYPE
GEOLOGY & SAMPLE MAP

DRAWN BY J.W.
DRAWN BY J.W.
DATE 7/26/68

STATE ARIZONA
COUNTY MOHAVE
TOWNSHIP, RANGE 23 N, 17 E
MAP NO. B-2421



D.K. MARTIN & ASSOCIATES

Mining Administration
and
Development

4728 North 21st Avenue
Phoenix, Arizona 85015

DOUG MARTIN

PACIFIC
REGIONAL
OPERATIONS, INC. P.O. Box 716 • Scottsdale, Arizona 85252 • (602) 994-3147

CHICO PROPERTY
ORE POTENTIAL
SUMMARY

All the attendant geological features or conditions which are responsible for the formation of economic ore deposits in the Wallapai Mining District occur on the Chico Property.

Direct evidence of ore underground exists in most old workings which exploited the oxidized portions of the veins. The size and extent of mine dumps suggest fifty thousand tons of ore have been removed from the upper portion of the orebodies. The primary sulfide zones are shown to persist for depths exceeding four hundred feet. Assayed sulfide material yields as high as 12 ounces gold per ton and 50 ounces silver per ton with 12% copper, average tenure is 0.5 ounces gold per ton and 10 ounces silver per ton with 2% each of copper, lead and zinc. We consider that at least an additional fifty thousand tons of such sulfide ore remains, drilling could significantly increase that estimate.

Indirect evidence of mineralization of the property exists in the form of extensive iron and manganese stained gossans, spring water testing 6.7 ppm copper, 87 ppm zinc and 2 ppb silver, and zones of secondary copper enrichment occuring in the largest structural component of the Chico Property. Silver enrichment of the gossans averages 3 ounces per ton and goes as high as 20 ounces per ton with minor amounts of gold. The sulfide equivalent of a gossan, drilled in July, 1981, assayed 1.3 ounces gold per ton but only 12.5 ounces silver. Perhaps the ground water, containing 80 ppm clorine, preferentially enriches the oxide zone with cerargarite (Ag Cl) while transporting gold in various aurochloro compounds.

The largest structure, the Broncho Dyke, a fracture which traverses the property for three-fourths of a mile, is infilled primarily by Ithica Peak Granite, host rock of the Duval orebody. The granite in turn was intruded by diabase, rhyolite and quartz. Geochemical samples of the Dyke have revealed areas anomolous in silver, lead and zinc. Shallow drilling showed the quartz in the Dyke to average 6 feet in thickness and to carry 0.3 ounces gold per ton. If the quartz persists for the entire length of the Dyke, it could represent over one million tons of ore. The nature, rock associations and attitude of the Dyke enhances the possibility of secondary copper enrichment.

A development drilling program is paramount for the delineation of ore reserves on the Chico Property.

September 18, 1981

PACIFIC
REGIONAL
OPERATIONS, INC. P.O. Box 716 • Scottsdale, Arizona 85252 • (602) 994-3147

GEOLOGICAL SUMMARY
CHICO MINING CLAIMS
WALLAPAI DISTRICT, MOHAVE COUNTY, ARIZONA

(1) The Chico Mines property comprises 51 claims (2 patented) located in Sections 31 and 32, Township 23N, Range 17W, and Sections 5 and 6, Township 22N, Range 17W, GSRM.

(2) The claims are bounded on the north by the Pennzoil-Duval claims; an active open pit porphyry copper operation; and bounded on the south by the Golconda Mines group which was the second largest base metal producer in the district.

(3) Rocks exposed at the surface include pre-Cambrian igneous and metamorphic rocks intruded by the Ithaca Peak granite which is centered just north of the Chico claims. This intrusive is thought to be the source of most mineralization since mineralized zones radiate out from the center of the granite intrusion.

(4) The ore deposits on the claims may be of as many as three types. Porphyry copper-molybdenum in the north, a continuation of the Duval ore body; vein deposits of primary sulfide minerals which extend to depths of 1,500 feet or more, and possibly widening with depth; and the oxidized portions of the vein deposits which occur near or at the surface and are often greatly enriched in silver.

(5) The most favorable loci for ore is at the junction of veins. At least four major veins trend northwest from Stockton Hill and intersect with the manganese stained "Black Dyke" (Broncho Dyke) which traverses the Chico claims. These are the Alpha Vein, the Cashier Vein, the Little Boy Vein, and the 98 Vein, (see Project map).

(6) Results of spot check assays and preliminary field reconnaissance indicate the following:

(A) An oxidized zone, enriched in silver is present in the southeast half of the Chico claims and on the entire Black Hawk claims.

(B) Considerable ore lies in the oxidized zone 50-300 feet deep, averaging approximately 20 ozs. of silver per ton and 0. ozs. of gold per ton.

(C) This oxidized zone may be mined by surface methods or shallow underground methods.

ASSAY SAMPLE DESCRIPTIONS (cont'd.)

Map I.D. No/Idenfication No.	Description
10/LB-1C	Underground sample of in-place oxidized ore pod ca. 1' wide, massive black coated (MnO_2 ?) very hard Qtz. with brown limonitic (?) streaks, vugs with gypsum needles.
11/LB-IV	Same as above but sample cut across vein plus 1' gouge zone either side. Clay gouge brown to grey. Slickenslide surface adjacent to gouge.
12/M-IV	Underground sample from lower Mint vein - comb Qtz. with comb filled with calcite plus black oxide and few residual pyrite crystals. 4'-6' vein width.
13/water	Stream water approximately 100 yards from spring, here rocks in stream bead are blue-green from copper precipitation. White zinc precipitate downstream. Spring appears to drain dyke-vein system.
14/1	Surface sample from shallow pit oxidized vein - blue-green and brown coloration - vein 6" wide.
15/2	Same vein as above 400' uphill vein slighty wider and difficult to trace.
16/3	Underground sample from Bluebird mine; sample similar to 14/1&15/2 so same type vein
17/4	Wall rock to 16/3
18/5	Surface sample - same vein as 14/1 & 15/2 This vein tracable for 1/4 mile.
19/5	Ore stockpile sample of American Legion 400' level ore. Galena, pyrite sphalerite, high grade sample.
20/6	Ore stockpile sample at location of very high grade ore, now mined out - sample black, very heavy and hard. No visible minerals.
21/LB-1C	Fire assay of sample 10/LB-1C
22/J-10S	Fire assay of sample 9/J-10S

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OPERATIONS, INC. P.O. Box 716 • Scottsdale, Arizona 85252 • (602) 994-3147

ASSAY SAMPLE DESCRIPTIONS

Map I.D. No/Identification No	Description
1/1	Surface of Bronco Dyke, Cu-Mn staines on diabase (?) - no visible minerals except green cloritic (?) alteration throughout.
2/2	Shallow underground sample from fault gouge along Bronco Dyke. Blue-black mudlike gouge with ubiquitous euhedral pyrite (Ca. 1mm)
3/3	Dump sample of upper Mint vein - mostly Qtz., py., py. xlt stepped and silvery colored, milky Qtz., some black oxide.
4/4	Underground sample of upper Mint vein, Qtz., py., galena, spalerite, good xltn sample high grade (?). Vein 18" wide at sample location, appears continuous with respect to Qtz., but py., ga., sp, spotty.
5/5	UG sample of Cashier vein. Primarily Qtz, py., sp.; vein 1' wide at sample location with green and white mudlike gouge 1' each side of vein. Sample taken at cave-in 50' down shaft.
6/6	Underground sample at unnamed prospect tunnel, oxidized sample with some residual pyrite. Brown color, oxidized, friable zone about 2' wide and continuous.
7/C-1	Dump sample at cashier tunnel - high grade ore reported from this tunnel but presently inaccessible. Sample partly oxidized with blue-green, white and black alteration visible minerals are Qtz., ccp., py., ga., sp. very dense and hard.
8/G-10 S	Ore stockpile sample from Goetz shaft. Copper and iron oxides in fractures of very hard Qtz. vein. 5-10 tons stockpiled. Shaft caved and inaccessible but vein 2' wide at surface.
9/J-10 S	Ore stockpile from Jamison 300 (?) foot level, massive chalcopyrite, pyrite and galena in Qtz host. Very high grade sample from ore shoot (?).

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22/J-10S	Fire assay of sample 9/J-10S

PHASE IV

Further metallurgical testing should be carried out on the dumps and stockpiles. Engineering studies should be carried out to evaluate the methods of treating this material. It is emphasized strongly that such studies have frequently a tendency to under-estimate the capital and operating cost along with over estimating the recoverable values. Heavy capital costs should not be incurred without a very healthy projected profit margin and it is felt that such margin will not be reached until good grade material has been opened by exploration and development.

From the available assays and reports, it seems likely that good commercial grade material exists in the undeveloped areas of the property.

The first two phases of the recommendations should be initiated at the onset, while phases III and IV could be carried out only if the drilling exploration results are positive.

EXPLORATION TARGETS

(Phase I)

There are several major veins on the property which were worked in the past. New ore can probably be discovered at depth, below the old workings and along the vein systems.

The discovery of oxide ores on the surface demand immediate attention. Oxide ores usually can be mined and processed by leaching methods at a fraction of the cost of sulphide ores. These areas should be thoroughly investigated and then drilled to determine grade and depth.

Again, it is advisable to correlate the known information of the past workings, project calculated directions of vein systems, as with the Jamison, '98, True Blue and Cashier, and extend from a point of beginning.

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(C) This oxidized zone may be mined by surface methods or shallow underground methods.

exist along the Bronco Dike. Exploration, therefore, could delineate up to a million and a half tons of leachable ore.

Previous mining operations on the Chico Property have produced some sizable mine dumps and precious metal extraction from these dumps should not be overlooked. Cusory examination indicates in excess of 100,000 tons of material averaging 0.03 ounces gold per ton and 1.5 ounces silver.

Thus the property contains base metal-silver veins, oxidized silver-gold enrichments, low grade mine waste and, possibly, a copper-moly porphyry. A program integrating geology, geophysics and drilling is required to delineate ore reserves on the Chico Property.

The merits of the property can best be appreciated by an on-sight evaluation and I am available to conduct prospective clients through the property on a per diem basis.

Sincerely,

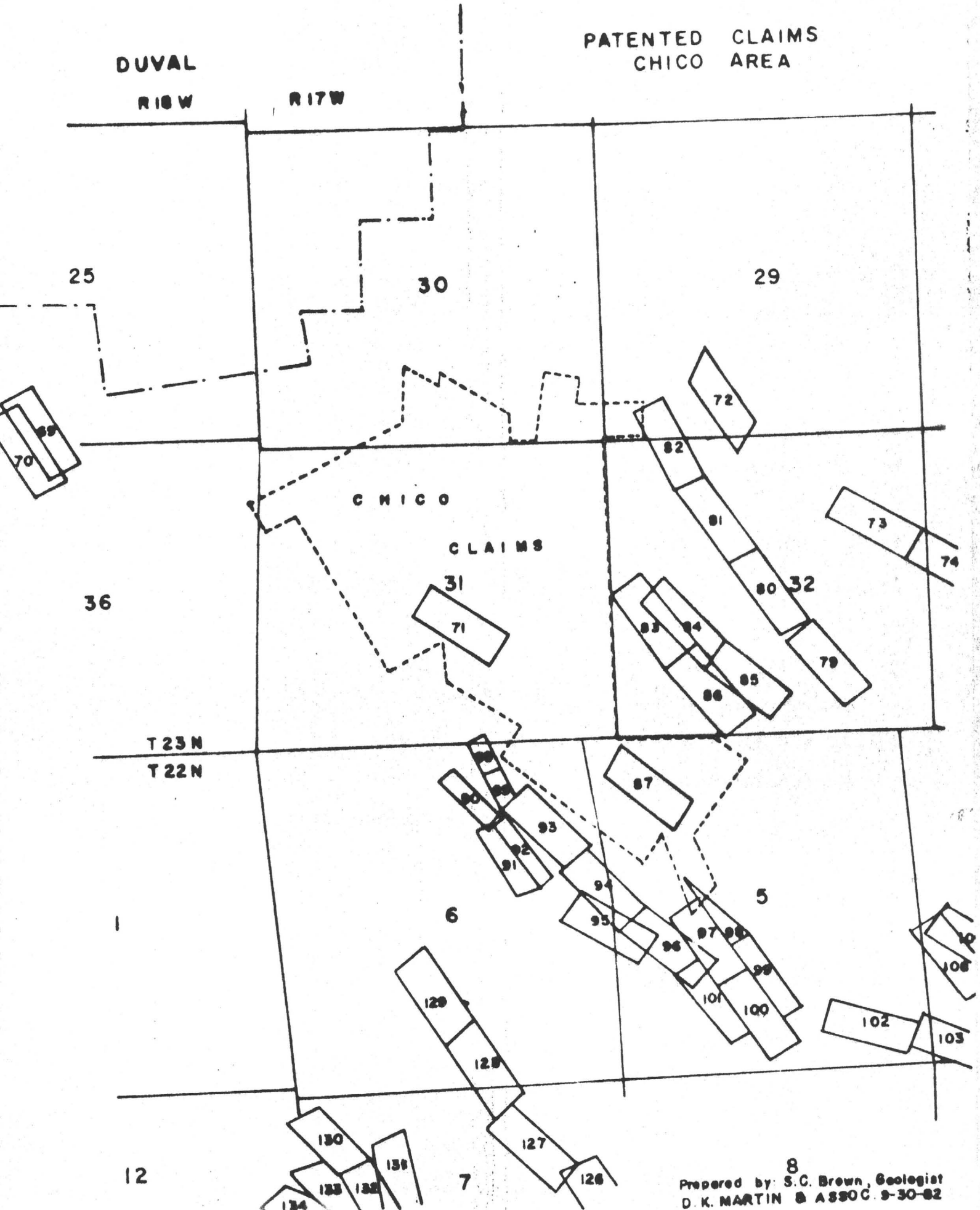
Wm. Vanderwall
Registered Geologist, State of Arizona, No. GIT 34

PATENTED MINING CLAIMS

Chico Mine Area

Wallapai Mining District

69	Ark	94	Golconda
70	Antone	95	Tub
71	True Blue	96	Virginia
72	Copper Apex	97	New Comstock
73	Gold	98	Western Scene
74	Silver	99	Mountain Top
79	Sky Scrapper	100	Side Hill
80	Silver Monster	101	Hill Side View
81	Summit	102	De La Fountaine
82	Fortunatus	103	Clearing House
83	Magnolia	108	Spangled Banner
84	Alpha	109	Fountain Head
85	Omega	126	Red Dog
86	Wallapai Queen	127	Cerbat
87	Little Boy	128	Juror #2
88	Mariposa 1st North Ext	129	Juror #1
89	Mariposa	130	Flores North #2
90	Todd	131	Gold Nugget
91	Big Bethel	132	Flores North
92	Silver	133	Ellen
93	Prosperity	134	Alma



Prepared by: S.C. Brown, Geologist
D.K. MARTIN & ASSOC. 9-30-82

Arizona Testing Laboratories

817 West Madison · Phoenix, Arizona 85007 · Telephone 254-6181

WILLIAM VANDERWALL
GEOLOGIST

For

Date July 16, 1980

PACIFIC REGIONAL OPERATIONS, INC. P.O. Box 716
(602) 994-3147 SCOTTSDALE, ARIZONA 85252

ASSAY CERTIFICATE

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Respectfully submitted,

ARIZONA TESTING LABORATORIES

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Registered Assayer
CERTIFICATE NO
0258
CLAUDE EUGENE
McLEAN, JR
Date Signed 7/16/80
ARIZONA, U.S.A.

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1435 SOUTH 10TH AVENUE
TUCSON, ARIZONA 85713

Jacobs Assay Office

Registered Assayers

Since 1880

PHONE 622-0813

Tucson, Arizona, 20 Aug. 1980

Sample Submitted by Mr. Arizona Testing Lab.

	Sample Marked	GOLD Ozs. per ton ore	GOLD ~~Value per ton ore*~~	SILVER Ozs. per ton ore	COPPER ~~Per cent Wet Assay~~	LEAD ~~Per cent Wet Assay~~	~~Per cent Wet Assay~~	~~Per cent Wet Assay~~	~~Per cent Wet Assay~~
	6901 -								
21	LB-1C	2.078	~	4.60		See LB1C description 7-18-80			
22	J105	12.02	~	47.10		See J105 description 7-18-80			

* Gold Figured ~~$300.00 per oz.~~ Troy

Charges $ 12.00

Very respectfully,

Wm. D. Jacobs

SAMPLES						
No.	LENGTH FEET	Ag	Au	Cu	Pb – %	Zn
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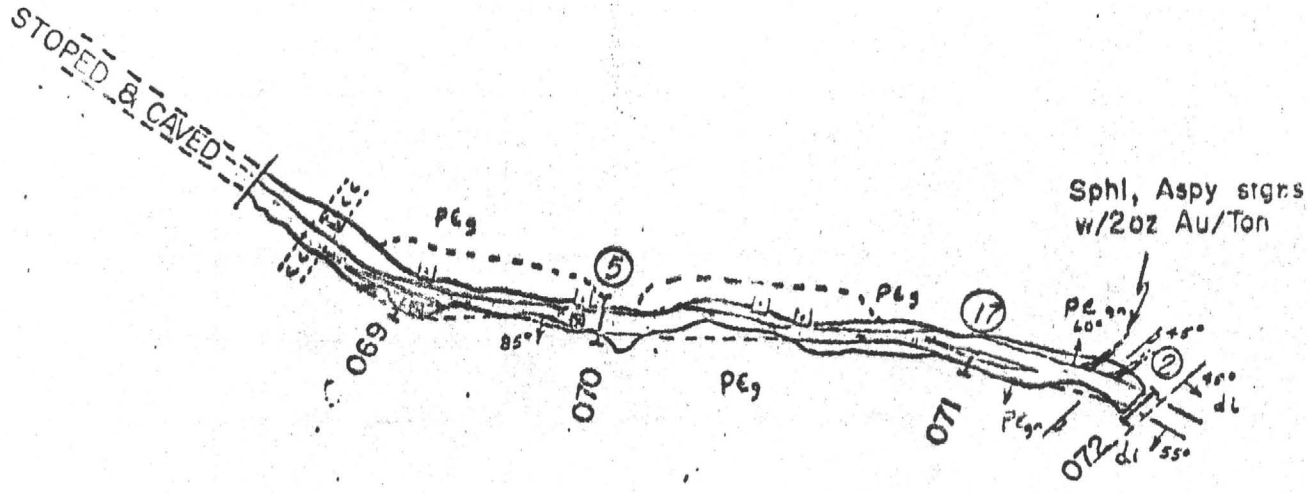
071	1.75'	17.0	.022	3.20	4.22	.40
072	6'	1.4	.018	.16	.46	1.20



DUVAL CORPORATION – EXPLORATION DEPT.

CHICO MINES
JAMISON VEIN — 100' LEVEL

TYPE
GEOLOGY & SAMPLE MAP

DRAWN BY J.W. | DRAWN BY J.W. | DATE 7/26/68

STATE ARIZONA
COUNTY MOHAVE
TOWNSHIP, RANGE 23 N, 17 E
DRAWING B-2421

Arizona Testing Laboratories

817 West Madison · Phoenix, Arizona 85007 · Telephone 254-6181

WILLIAM VANDERWALL
GEOLOGIST

For

Date July 2, 1980

PACIFIC REGIONAL OPERATIONS, INC. P.O. Box 716
(602) 994-3147 SCOTTSDALE, ARIZONA 85252

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
6646	14 #1	0.08	46.				
	15 2	0.13	16.				
	16 3	0.16	43.				
	17 4	0.14	4.8				
	18 5	0.03	20.				
	19 6	0.04	23.				
	20 7	0.49	0.50				

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E. McLean, Jr.

Registered Assayer
CERTIFICATE NO. 6258
CLAUDE EUGENE McLEAN, JR.
Date Signed 7/1/80
ARIZONA, U.S.A.

IRON KING ASSAY OFFICE

ASSAY CERTIFICATE

BOX 14 — PHONE 632-7410
HUMBOLDT, ARIZONA 86329

KEVIN M. KENNEY
1301 Lemon St.
Tempe, Ariz. 85281

January 14, 1975

no.	SAMPLE DESCRIPTION	Gold oz/ton	Silver oz/ton	$ Gold (Price)	$ Ag (Price)	TOTAL
-1	26-A-1 Brown	.006	0.82	.72	3.69	4.41
2	26A-2EG Brown Lor green	.032	7.64	3.84	34.38	38.22
-3	26-A-3 Brown	.018	1.40	2.16	6.3	8.46
-4	26-B-1 Dump gold clean tt	Tr	0.68		3.05	3.05
-5	26-B-2 dump	Tr	0.36		1.62	1.62
-6	26-C-1 Red Tuff VN w/ shear south	.012	1.49	1.44	6.705	8.145
-7	26-C-2 north gs	Tr	2.38		10.71	10.71
-8	26-DC-2 Base of	Tr	3.30		14.85	14.85
-9	26-DC-3 N of wall	.014	4.87	1.68	21.919	23.59
-10	26-DC-4 S of wall	.030	4.38	3.6	19.71	23.31
-11	26-DD-4 VN [illegible]	.366	5.72	43.93	25.69	69.62
-12	26-DCGD Gets shaft [illegible]	.384	35.64	46.08	160.42	206.42
-13	26-DCGD-2 Gets dump sulfide	.396	10.20	47.52	45.9	93.42
-14	26-D-LB2 Little Bag 1/2 [illegible]	.030	1.17	3.6	5.26	8.86
-15	26-D-98E [illegible]	Tr	0.78		3.51	3.51
-16	26-D-98S Dump at 98	.020	5.62	2.4	25.29	25.29
-17	26-D-6SV VN gets shaft	.356	25.62	42.72	115.29	158.01
-18	26-D-W1 [illegible] VN [illegible]	.016	0.76	1.92	9.42	5.34
-19	26-D-98W [illegible]	.028	5.73	3.36	25.78	29.14
-20	26-M-D third Dump	.066	1.38	7.92	6.21	14.13

IRON KING ASSAY OFFICE

ASSAY CERTIFICATE

BOX 14 — PHONE 632-7410
HUMBOLDT, ARIZONA 86329

GENE HUDSON
RMC Corp.
910 So. Hohokam, Suite 115-116
Tempe, Ariz. 85281

Dec. 6, 1975

.	SAMPLE DESCRIPTION	Silver oz/ton	Gold oz/ton	Lead %	Zinc %	Copper %
3	JD-R4 [illegible] Dump	.018	1.78	Nil	1.25	0.36
6	~~XXXXXX~~ JT-ESQS1 [illegible] and Square Sets Sample	Tr	Tr	nil	0.65	0.02
7	JT-ESQS2 "	.034	1.29	Nil	1.60	0.13
8	JT-ESQS3 "	.010	0.39	Nil	1.05	0.02
9	JT-A5-2 "	Tr	0.20	Nil	0.80	0.01
0	JT-EOT*R1 "	.014	0.49	Nil	1.35	0.02
1	JT Top A5-15 "	.456	41.58	Nil	19.55	3.98
2	~~XXXXXX~~ JD-A51 [illegible]	.016	0.59	Nil	1.10	0.05
3	JD-RS3 [illegible] Dump	.030	1.25	Nil	0.80	0.33
4	JD-T-1 [illegible] Dump	.020	1.64	Nil	0.65	0.19
5	BP-1 Vein Little Boy shaft	.256	13.42	4.92	18.70	0.32
6	BP-2 Little Boy	Tr	0.34	Nil	0.65	0.02
7	JD-LS-2 Dump [illegible]	Tr	0.68	Nil	0.65	0.16
8	ME-1 From "98" Claim	.002	0.42	Nil	0.55	0.05
9	~~XXXX~~ ME-2	.004	3.08	Nil	0.65	0.32
0	ME-3 Start	.028	5.07	Nil	0.55	0.69
1	M-2 — [illegible] —	.010	0.67	Nil	0.70	0.03
2	M-3	.006	0.24	Nil	0.60	0.03
3	M-4	.564	5.70	Nil	0.65	0.03
4	M-5	.006	0.32	Nil	0.65	0.01
5	M-6	.080	2.70	2.44	0.65	0.03
6	M-7	.018	0.46	Nil	0.65	0.02
	Av	.0715 oz	1.58 oz	0.335 %	2.47 %	.31 %
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Charges $483.75

[illegible] Stamped 12/6/75 ORA, U.S.A.

IRON KING ASSAY OFFICE

ASSAY CERTIFICATE

BOX 14 — PHONE 632-7410

HUMBOLDT, ARIZONA 86329

MADE FOR GENE HUDSON
RMC CORP.
910 So. Ho Ho Kam
Suite 115 - 116
Tempe Ariz. 85281

Dec. 6, 1975

Ref no.	SAMPLE DESCRIPTION	Gold oz/ton	Silver oz/ton	Lead %	Zinc %	Copper %
12-1-1	LITTLE BOX SHAFT BP Vein	.026	12.21	1.74	21.30	0.04
12-1-2	M-1	.126	45.13	0.06	1.20	0.05
12-1-3	JT-EOT-L	Tr	0.36	0.08	1.40	0.02
12-1-4	A-1	.280	1.75	0.26	0.095	0.02
12-1-5	~~xxx~~ A'-1	.016	10.64	Nil	0.60	1.24
12-1-6	A-2	.024	8.32	0.20	0.45	1.98
12-1-7	A-3	.018	0.96	Nil	1.05	0.20
12-1-8	A-4	.002	1.16	0.48	1.35	0.14
12-1-9	B-1	.014	0.25	Nil	0.40	0.01
12-1-10	B-2	Tr	0.32	Nil	0.55	0.02
12-1-11	B-3	Tr	0.34	Nil	0.65	0.02
12-1-12	B-4	Tr	0.60	Nil	0.50	0.02
12-1-13	B-5	Tr	0.54	Nil	0.35	0.02
12-1-14	D-1	.006	1.84	Nil	0.55	0.07
12-1-15	D-2	.032	7.13	0.34	0.10	0.05
12-1-16	D-3	.050	7.67	0.08	1.40	0.04
12-1-17	D-4	.506	17.57	0.10	0.60	3.54
12-1-18	D-5 Gouge	Tr	13.50	Nil	1.15	1.34
12-1-19	D-6	.070	8.29	0.58	1.80	0.11
12-1-20	D-7	.150	1.79	0.36	1.80	0.03
12-1-21	JD-R1	.010	1.87	Nil	0.95	0.22
12-1-22	JD-R3	.060	4.90	Nil	0.80	1.30
12-1-24	JD-TF4	.068	6.49	Nil	0.80	1.18
12-1-25	JD-BF5 Jameson Dump Bottom Front	.072	2.41	Nil	0.30	0.18

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Exploritory Drilling - Chico Property - July 14, 1981
Air Rig - Clark Oliver Mining and Drilling Co.

Hole 2

Depth	Description	Panned Concentrates
0-5	DK, Limonitic rhyolite + Mn Stain	minor py (silvery)
5-10	Limonite Rhyo- Lightening	"
10-15	Rhyo - minor limonite stain	"
15-20	" "	"
20-25	Rhy - minor stain (Fe + Mn)	"
25-30	Rhyo	"
30-35	Rhy + Diabase (?) limonite stain	py inc.
35-40	Diabase limonitic stain	minor py
40-45	Diabase	"
45-50	Diabase	py inc.
50-55	Gouge (small H_2O)	py inc.
55-60	Gouge + altered qtz	minor py + ccp
60-65	LT. Amorphous qtz (?)	minor py + ccp
65-70	" " (?)	" " "
70-75	Diabase (more H_2O)	minor py
75-80	Diabase	"
80-85	Diabase	"
85-90	DK qtz (?) greenish	"
90-95	DK qtz (?)	"
95-100	LT, Green and red qtz	py inc.
100-105	reddish qtz	minor py
105-110	reddish qtz	"
110-111	gouge (H_2O)	"
111-115	Hard fresh granite (diorite)	barren
115-120	" " "	"

TD 120 making approximately 2 gpm H_2O

DK = dark
py = pyrite
ccp = chalcopyrite
rhy = rhyo = Rhyolite
LT = light
qtz = quartz
v = very
f = fine
inc = increase
dec = decrease
mag = magnetite
ga = galena

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Exploritory Drilling - Chico property - July 15, 1981

Hole 1

Depth	Description	Panned Concentrates
0-5	overburden + decomposed granite	minor py (silvery)
5-10	granite	"
10-15	granite + rhyolite	v. minor py
15-20	granite + rhyo (H_2O)	v. minor py
20-25	granite + rhyo (rhyo inc.)	minor py
25-30	rhyolite + in.granite	"
30-35	rhyolite	"
35-40	rhyo	"
40-45	"	"
45-50	"	"
50-55	rhyo + f. gr. qtz.	py inc.
55-60	rhyo + f. gr. qtz. inc.	py inc.
60-65	rhyo	minor py
65-70	rhyo	minor py
70-75	gray qtz	py + ccp (minor)
75-80	granite	minor py
80-85	granite	"
85-90	granite	"
90-95	granite + qtz (?)	"
95-100	hard granite (diorite)	minor py
100-105	" " "	barren
105-110	" " "	"
110-115	" " "	"

TD 115 making less than 1 gpm H_2O

Hole 3

0-5	decomposed granite	minor py + mag (?)
5-10	dec granite	minor py + mag (?)
10-15	granite (diorite)	minor mag (?)
15-20	"	"
20-25	" (2 gpm H_2O)	"
25-26	gouge + qtz shards	minor py
26-30	granite (diorite)	" + mag.
30-35	fresh granite (hard)	"
35-40	"	"
40-45	" (H_2O inc)	"
45-50	granite fresh	minor py + mag (?)
50-55	granite + rhyo	barren
55-60	rhyo	"
60-65	rhyo	"
65-70	rhyo	v. minor bronze py

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Exploritory Drilling - Chico Property - July 16, 1981

Hole 3 cont. HFW 25' after 12 hours

70-75	rhyo	v. minor bronze py
75-80	rhyo	barren
80-85	rhyolite (H_2O inc)	barren
85-90	rhyo	"
90-95	rhyo	"
95-100	rhyo	"
100-110	rhyo	"
110-115	rhyolite + gray f. gr. qtz.	minor py + ccp (?) + ga
115-120	rhyo + qtz	py + ccp + ga inc.
120-122.5	rhy + qtz inc.	py + ccp + ga inc.
122.5-125	"	" " " 1/5 sample
125-127.5	" qtz dec.	decreasing
127.5-130	rhyo + minor qtz	decreasing
130-135	rhyo + granite	minor py + ccp
135-140	granite + minor rhyo	py + ccp inc
140-145	granite (hard dioritic)	barren
145-150	granite " "	minor py + mag
150-155	granite	"

TD 155 making 10 gpm H_2O

ODEX Ore Stockpile Holes
#1 5' to sand
#2 5' to sand
#3 6' to sand

approximately 5/8 of expected ore volume

PACIFIC
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ASSAY SAMPLE DESCRIPTIONS

Map I.D. No/Identification No	Description
1/1	Surface of Bronco Dyke, Cu-Mn staines on diabase (?) - no visible minerals except green cloritic (?) alteration throughout.
2/2	Shallow underground sample from fault gouge along Bronco Dyke. Blue-black mudlike gouge with ubiquitous euhedral pyrite (Ca. 1mm)
3/3	Dump sample of upper Mint vein - mostly Qtz., py., py. xlt stepped and silvery colored, milky Qtz., some black oxide.
4/4	Underground sample of upper Mint vein, Qtz., py., galena, spalerite, good xltn sample high grade (?). Vein 18" wide at sample location, appears continuous with respect to Qtz., but py., ga., sp, spotty.
5/5	UG sample of Cashier vein. Primarily Qtz, py., sp.; vein 1' wide at sample location with green and white mudlike gouge 1' each side of vein. Sample taken at cave-in 50' down shaft.
6/6	Underground sample at unnamed prospect tunnel, oxidized sample with some residual pyrite. Brown color, oxidized, friable zone about 2' wide and continuous.
7/C-1	Dump sample at cashier tunnel - high grade ore reported from this tunnel but presently inaccessible. Sample partly oxidized with blue-green, white and black alteration visible minerals are Qtz., ccp., py., ga., sp. very dense and hard.
8/G-10 S	Ore stockpile sample from Goetz shaft. Copper and iron oxides in fractures of very hard Qtz. vein. 5-10 tons stockpiled. Shaft caved and inaccessible but vein 2' wide at surface.
9/J-10 S	Ore stockpile from Jamison 300 (?) foot level, massive chalcopyrite, pyrite and galena in Qtz host. Very high grade sample from ore shoot (?).

ASSAY SAMPLE DESCRIPTIONS (cont'd.)

Map I.D. No/Idenfication No.	Description
10/LB-1C	Underground sample of in-place oxidized ore pod ca. 1' wide, massive black coated (MnO_2 ?) very hard Qtz. with brown limonitic (?) streaks, vugs with gypsum needles.
11/LB-IV	Same as above but sample cut across vein plus 1' gouge zone either side. Clay gouge brown to grey. Slickenslide surface adjacent to gouge.
12/M-IV	Underground sample from lower Mint vein - comb Qtz. with comb filled with calcite plus black oxide and few residual pyrite crystals. 4'-6' vein width.
13/water	Stream water approximately 100 yards from spring, here rocks in stream bead are blue-green from copper precipitation. White zinc precipitate downstream. Spring appears to drain dyke-vein system.
14/1	Surface sample from shallow pit oxidized vein - blue-green and brown coloration - vein 6" wide.
15/2	Same vein as above 400' uphill vein slighty wider and difficult to trace.
16/3	Underground sample from Bluebird mine; sample similar to 14/1&15/2 so same type vein
17/4	Wall rock to 16/3
18/5	Surface sample - same vein as 14/1 & 15/2 This vein tracable for 1/4 mile.
19/5	Ore stockpile sample of American Legion 400' level ore. Galena, pyrite sphalerite, high grade sample.
20/6	Ore stockpile sample at location of very high grade ore, now mined out - sample black, very heavy and hard. No visible minerals.
21/LB-1C	Fire assay of sample 10/LB-1C
22/J-10S	Fire assay of sample 9/J-10S

REPORT OF INVESTIGATIONS

December 13 & 14, 1981

Prepared for: Mr. J. Michael Migel
Hamilton Associates & Co.
New York, N.Y.

Subject: Chico Mines Properties, Kingman, Arizona
Pacific Regional Operations, Inc.
Mr. Bill Kardos, president

OBJECTIVE :

The purpose of this evaluation is to identify within the Chico Mines Property, mineralized areas which could be locations for relatively low cost mining and recovery of precious metals.

Two prospective sites were examined; the Jamison Mine and the Logus Cut structure. The former site appears to offer reasonable promise and should be evaluated more thoroughly.

Figure 1 and Table 1 included herein, along with maps on topographic base prepared by PRO, are refered to in this discussion.

LOGUS CUT STRUCTURE :

Cursory investigation of this structure shows it to be the distal, narrowed portion of what may be a branch of the Broncho Dike. This proposed 'branch' is a stockwork of quartz veins and veinlets with some brecciation visible on the surface. Portions of this stockwork exposure are wider than 10 feet.

The areas sampled were within the Logus Cut, situated at the top of a hill, also outcrop in a roadcut, and a small prospect about 50 feet down-strike of the Cut. Very good assay results are reported to have originated from this location, and so within the framework of time budgeted, an effort to verify such values was made. Samples numbered 9471 thru 9474 are from this area, the results being uneconomic considering minable widths.

JAMISON MINE SITE :

Mineralization here is hosted within the Ithaca Peak Granite and various volcanics adjacent to the monzanite, or granite as it is named. Limited outcrop hinders proper delineation and evaluation. However, a few recent road-cuts offer fresh surfaces which were inspected and sampled. Figure 1 shows the position and scaled relationship of the samples to the Jamison shaft and tunnel.

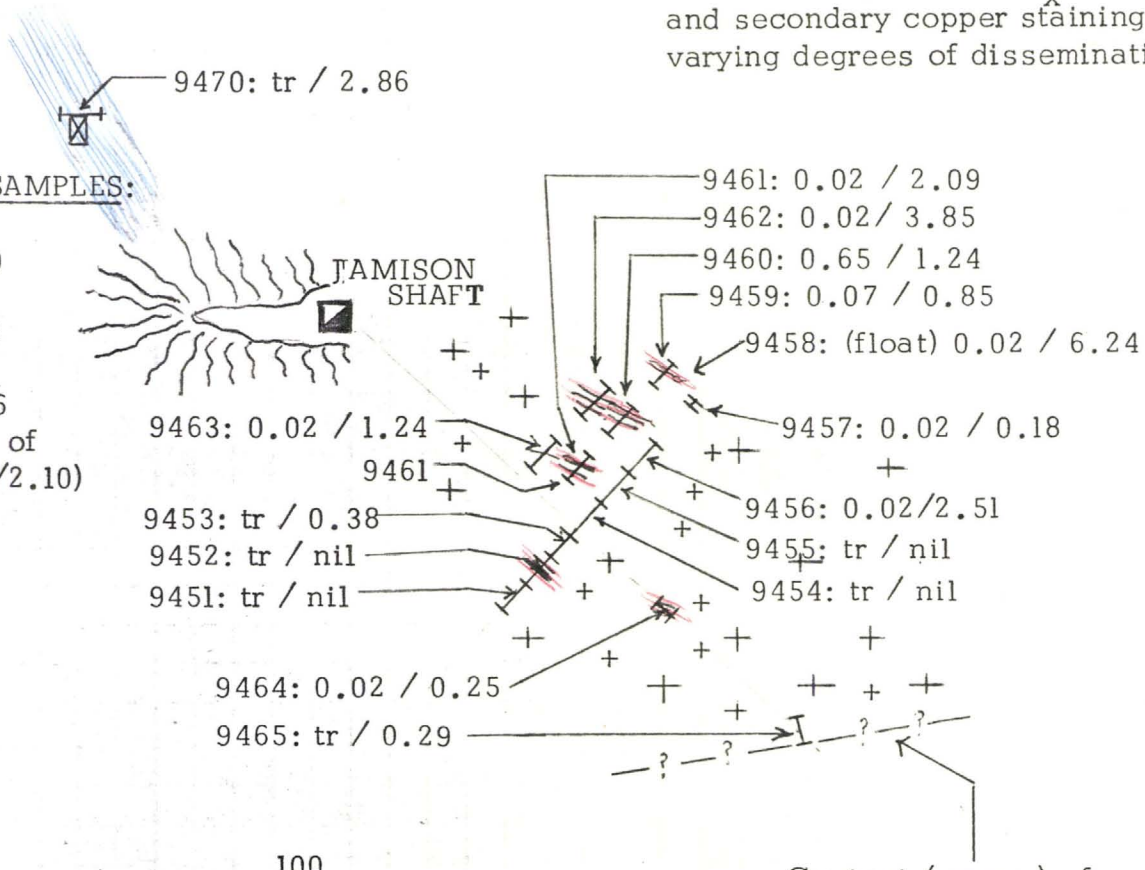
JAMISON [illegible]NE (Chico Mines Group)
Surface Evaluation
December 13 & 14, 1981
Mat Allen for Hamilton Associates & Co.
Wm. Vanderwall for PRO, Inc.

JAMISON TUNNEL
(position approx)

Jamison Ore Stockpile sample,
approx 50 tons of material
north of the tunnel... 9469: 0.13 / 2.98

Explanation:

Sample I.D. # 9400
first value ..... gold, in troy ounces
second value ..... silver, troy ounces
tr = trace
nil = metal not present (not detected)
+ + + = Ithaca Peak Granite
= varrying degrees of silicification, $\pm FeO_x$ &/or MnO_x staining, &/or pyrite casts-molds or pseudomorph hematite-limonite after pyrite.
= altered volcanics (?) with pyrite, some chalcopyrite, FeO_x & MnO_x and secondary copper staining; varying degrees of dissemination.



0 100
50
SCALE: 1" = 50 feet

FIGURE 1

SAMPLE DESCRIPTION - ASSAY TABULATION

I.D.#	troy ounces Au	Ag	12/81 $	Description
9451	tr	nil	---	outcrop, 8' channel, weathered granite
9452	tr	nil	---	as above, 10' channel
9453	tr	.38	---	as above, 10' "
9454	tr	nil	---	as above, 10' "
9455	tr	nil	---	as above, 10' "
9456	.02	2.51	31.00	as above, 10' "
9457	.02	.18	10.00	as above, 2' " , weathered granite in wash-out
9458	.02	6.24	64.00	float sample, silicic, pyrite box-work, iron & mang stain
9459	.07	.85	35.00	outcrop, 6' channel, road cut floor, fresh rock
9460	.65	1.24	285.00	as above, 8' channel, as 9458
9461	.02	2.09	27.00	as above, 7' channel
9462	.02	3.85	44.00	as above, 10' channel
9463	.02	1.24	20.00	as above, 8' channel
9464	.02	.25	11.00	as above, 5' channel
9465	tr	.29	---	outcrop, 7' channel, weathered near contact with pC's
9466	.02	1.32	20.00	Jamison dump, grab over the south slope
9467	.02	1.70	24.00	as above, " " " north "
9468	.03	3.26	40.00	as above, " " " end "
9469	.13	2.98	80.00	Jamison ore stock-pile grab, north of Jamison tunnel
9470	tr	2.86	25.00	outcrop, altered host volcanics, iron & mang stain, sulfides
9471	.02	1.06	18.00	Logus Cut, outcrop sample, 4' channel
9472	.02	1.34	20.00	as above, " " 4' channel
9473	.04	3.95	53.00	select rock from dump of small prospect on Logus structure
9474	.02	2.02	26.00	misc outcrop south of Logus Cut on the structure, some grey quartz and dissem sulfides

TABLE 1

Predictably, samples from weathered, near-surface outcrop of the granite, assayed poorly in silver, but with no less than a trace of gold. Fresher exposures, especially from silicified areas within the host rock, occurring along the strike of mining efforts, did assay variably, yet interestingly well. In most cases, better gold and silver values accompanied manganous and iron staining, especially in the silicified areas.

Volcanics associated with the property, expecially those juxtaposing the granite, show varying degrees of sulfide mineralization and alteration. These rocks were examined but not sampled extensively. Sample 9470 is from outcrop at visible mine workings in the Jamison excavations within the volcanics.

Considerable tonnages of these two host rocks could be mined with minimal cost assuming preliminary evaluation and metallurgy confirms the economic feasibility thereof.

CONCLUSIONS & RECOMMENDATIONS :

A small stockwork deposit (maybe 50,000 tons) of gold and silver may exist within the confines of the silicified portions of the granite. Additional tonnage within the volcanics could be identified.

Dozer cuts across selected portions of the rock body, would facilitate more thorough sampling and delineation of the potential ore body. With favorable indications, a shallow drilling program could prove mineable ore to a depth of fifty to one hundred feet. Metallurgical analyses would need to accompany this work.

Respectfully submitted,

Mat Allen

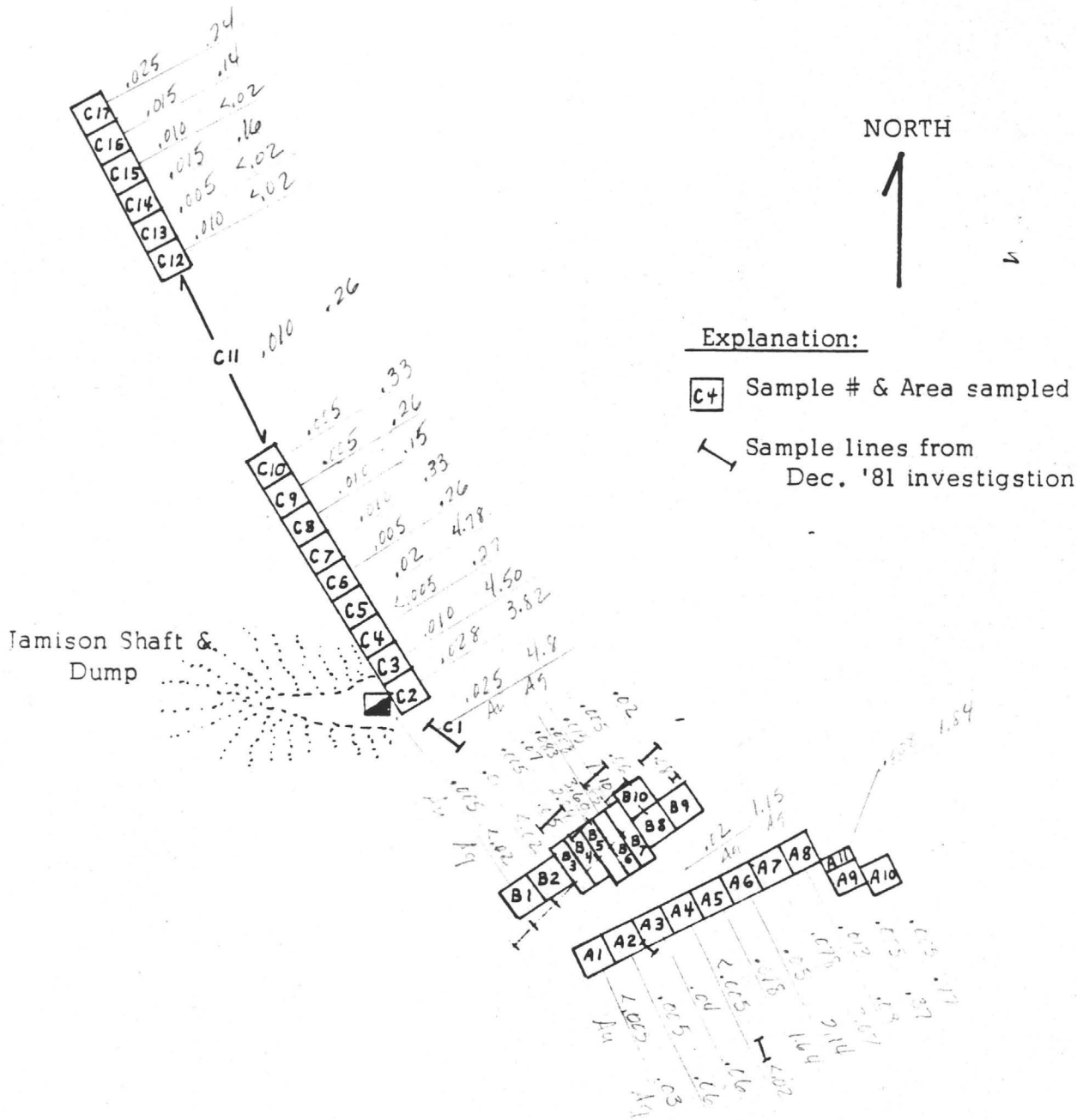
M. W. Allen
December 19, 1981

for report
See Miguel file

CHICO PROJECT - JAMISON MINE

Surface Sample Locations

Scale: 1" = 50'
M.W.Allen for Hamilton Assoc. & Co.
Wm.C.Vanderwall for P.R.O.
February, 1982



Cusco Project
Davidson Mine

2-82
M. Allen

Sample Set A:

#	Area (A)	Au	Ag	Prod. Au×A	Prod. Ag×A
1	100	<.005	.03	.5	3.0
2	100	.005	.06	.5	6.0
3	100	.040	.06	4.0	6.0
4	100	<.005	<.02	.5	2.0
5	100	.018	1.64	1.8	164.0
6	100	.050	2.14	5.0	214.0
7	100	.078	3.07	7.8	307.0
8	100	.013	.08	1.3	8.0
9	100	.005	.37	.5	37.0
10	100	.005	.77	.5	77.0
11	50	.008	1.84	.4	92.0

Area Sum $[\Sigma_A] = 1050$ sq. ft

Sum of Prods. Au×A $[\Sigma_{Au \times A}] = 22.8$
" " Ag×A $[\Sigma_{Ag \times A}] = 916.0$

Avg. Grade Au $= \Sigma_{Au \times A} \div \Sigma_A$
$= 22.8 \div 1050$
$= 0.022$ oz/ton [$. @ $ .5/oz]

Avg Grade Ag $= \Sigma_{Ag \times A} \div \Sigma_A$
$= 916 \div 1050$
$= 0.8$ 2 oz/ton [$ 0.95 @ $ .5/oz]

Cheap Project
Jamison Mine

2-82
M. Allen

Sample Set B

#	Area (A)	Au	Ag	Prod. Au × A	Prod. Ag × A
1	100	.005	< .02	0.5	2.0
2	100	.010	< .02	1.0	2.0
3	80	.005	.05	0.4	4.0
4	80	.070	2.04	5.6	163.2
5	100	.083	3.60	8.3	360.0
6	100	.008	.65	0.8	65.0
7	100	.015	1.10	1.5	110.0
8	100	.020	1.15	2.0	115.0
9	100	.020	.08	2.0	8.0
10	100	.005	.66	0.5	66.0

$\Sigma A = 960$ sq. ft.

$\Sigma Au \times A = 22.6$

$\Sigma Ag \times A = 895.2$

Avg. Grade Au $= \Sigma Au \times A \div \Sigma A$
$= 22.6 \div 960$
$= 0.024$ oz/ton

Avg. Grade Ag $= \Sigma Ag \times A \div \Sigma A$
$= 895.2 \div 960$
$= 0.933$ oz/ton

Jamison Mine

2-82
M. Allen

Sample Set C

#	Area (A)	Au	Ag	Prod. Au×A	Prod. Ag×A
1	50	.025	4.80	1.25	240.0
2	100	.028	3.82	2.80	280.0
3	100	.010	4.50	1.0	100.0
4	100	<.005	.2[illegible]	.5	50.0
5	100	.020	4.78	2.0	200.0
6	100	.005	.26	.5	50.0
7	100	.010	.33	1.0	100.0
8	100	.010	.15	1.0	100.0
9	100	.005	.26	.5	50.0
10	100	.005	.33	.5	50.0
11	480	.010	.26	4.80	124.8
12	100	.010	<.02	1.0	100.0
13	100	.005	<.02	.5	50.0
14	100	.015	.16	1.5	150.0
15	100	.010	<.02	1.0	100.0
16	100	.015	.14	1.5	150.0
17	100	.025	.24	2.5	250.0
* 18	?	.010	.05		
* 19	?	.030	1.58		

ΣA = 2030 sq ft. || $\Sigma Au \times A$ = 23.85 || $\Sigma Ag \times A$ = 2144.8

Avg. Grade Au = 0.012 oz/ton || Avg Grade Ag = 1.06 oz/ton

* [illegible]

2-18-82

Bill —

I calculated 'average grades' using the weighted average formulae.

I don't know where the 2 'extra' samples, numbered C18 + C19 came from?

Best Regards —

Matt

C1	.025	4.8
C2	.028	3.82
C3	.010	4.5
C4	.005	.27
C5	.02	4.78
B4	.07	2.84
B5	.083	360
B6	.008	.65
B7	.015	1.10
B8	.02	1.15
B9	.005	.66
B10	.02	.08
A5	.018	1.64
A6	.05	2.14
A7	.078	3.07
A8	.013	.08
	.47	35.18
AVG.	.0293	2.20
	.0293 x $350	2.20 x $8.00
	$10.24	17.60

150 x 50 x 50

.005	.26
.005	.33
.010	.15
.010	.33
.005	.26
.005	.65
.010	.01
.005	.01
.005	.03
.005	.06
.005	.61
.005	.77
.02	.25
.005	.37
.007	.25

$\boxed{27.84}$ ADD VAL.

.02	.18
.07	.85
.65	1.24
.02	3.25
.02	2.09
.02	1.24

Chico Project
Jamison Mine

2-'82
M. Allen

Sample Set C

#	Area (A)	Au	Ag	Prod. Au×A	Prod. Ag×A
1	50	.025	4.80	1.25	240.0
2	100	.028	3.82	2.80	280.0
3	100	.010	4.50	1.0	100.0
4	100	<.005	.2[illegible]	.5	50.0
5	100	.020	4.78	2.0	200.0
6	100	.005	.26	.5	50.0
7	100	.010	.33	1.0	100.0
8	100	.010	.15	1.0	100.0
9	100	.005	.26	.5	50.0
10	100	.005	.33	.5	50.0
11	480	.010	.26	4.80	124.8
12	100	.010	<.02	1.0	100.0
13	100	.005	<.02	.5	50.0
14	100	.015	.16	1.5	150.0
15	100	.010	<.02	1.0	100.0
16	100	.015	.14	1.5	150.0
17	100	.025	.24	2.5	250.0
* 18	?	.010	.05		
* 19	?	.030	1.58		

Σ_A = 2030 sq. ft. || $\Sigma_{Au \times A}$ = 23.85 || $\Sigma_{Ag \times A}$ = 2144.8

Avg. Grade Au = 0.012 oz/ton || Avg Grade Ag = 1.06 oz/ton

* Uncertain localities

602-445-3096

Chico Project
Jamison Mine

2-82
M. Allen

Sample Set B

#	Area (A)	Au	Ag	Prod. Au × A	Prod. Ag × A
1	100	.005	< .02	0.5	2.0
2	100	.010	< .02	1.0	2.0
3	80	.005	.05	0.4	4.0
4	80	.070	2.04	5.6	163.2
5	100	.083	3.60	8.3	360.0
6	100	.008	.65	0.8	65.0
7	100	.015	1.10	1.5	110.0
8	100	.020	1.15	2.0	115.0
9	100	.020	.08	2.0	8.0
10	100	.005	.66	0.5	66.0

$\Sigma_A = 960$ sq. ft.

$\Sigma_{Au \times A} = 22.6$

$\Sigma_{Ag \times A} = 895.2$

Avg. Grade Au $= \Sigma_{Au \times A} \div \Sigma_A$
$= 22.6 \div 960$
$= 0.024$ oz/ton

Avg. Grade Ag $= \Sigma_{Ag \times A} \div \Sigma_A$
$= 895.2 \div 960$
$= 0.933$ oz/ton

Chico Project
Jamison Mine

2-82
M. Allen

Sample Set A:

#	Area (A)	Au	Ag	Prod. Au×A	Prod. Ag×A
1	100	<.005	.03	.5	3.0
2	100	.005	.06	.5	6.0
3	100	.040	.06	4.0	6.0
4	100	<.005	<.02	.5	2.0
5	100	.018	1.64	1.8	164.0
6	100	.050	2.14	5.0	214.0
7	100	.078	3.07	7.8	307.0
8	100	.013	.08	1.3	8.0
9	100	.005	.37	.5	37.0
10	100	.005	.77	.5	77.0
11	50	.008	1.84	.4	92.0

Area Sum $[\Sigma_A]$ = 1050 sq. ft

Sum of Prods. Au×A $[\Sigma_{Au \times A}]$ = 22.8
" " Ag×A $[\Sigma_{Ag \times A}]$ = 916.0

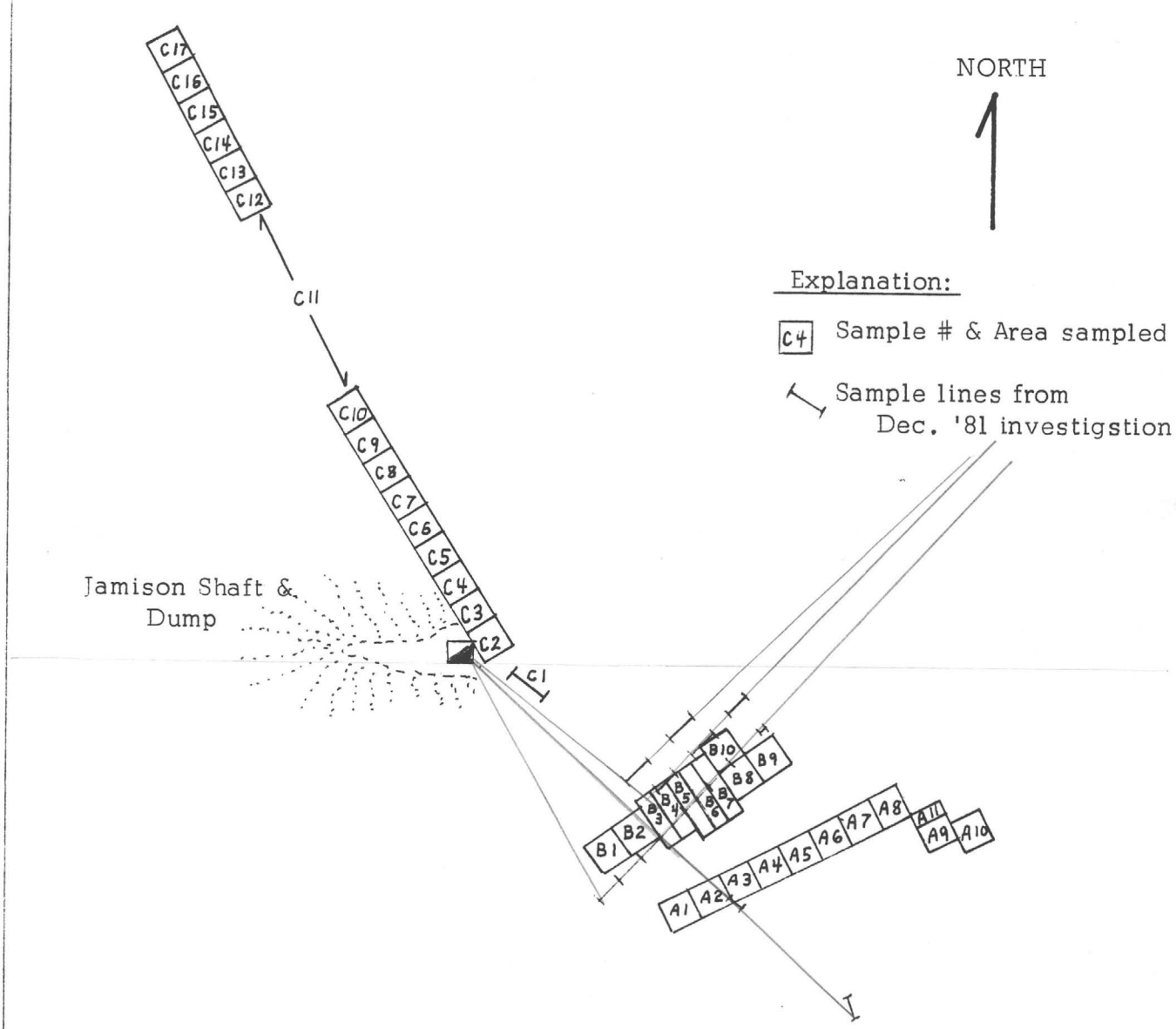
Avg. Grade Au = $\Sigma_{Au \times A} \div \Sigma_A$
= 22.8 ÷ 1050
= 0.022 oz/ton [$.[illegible] @ $[illegible]/oz]

Avg Grade Ag = $\Sigma_{Ag \times A} \div \Sigma_A$
= 916 ÷ 1050
= 0.8[illegible]2 oz/ton [$ 6.98 @ $8/oz]

CHICO PROJECT - JAMISON MINE

Surface Sample Locations

Scale: 1" = 50'
M.W.Allen for Hamilton Assoc. & Co.
Wm.C.Vanderwall for P.R.O.
February, 1982



REPORT OF INVESTIGATIONS

December 13 & 14, 1981

Prepared for: Mr. J. Michael Migel
Hamilton Associates & Co.
New York, N.Y.

Subject: Chico Mines Properties, Kingman, Arizona
Pacific Regional Operations, Inc.
Mr. Bill Kardos, president

OBJECTIVE :

The purpose of this evaluation is to identify within the Chico Mines Property, mineralized areas which could be locations for relatively low cost mining and recovery of precious metals.

Two prospective sites were examined; the Jamison Mine and the Logus Cut structure. The former site appears to offer reasonable promise and should be evaluated more thoroughly.

Figure 1 and Table 1 included herein, along with maps on topographic base prepared by PRO, are refered to in this discussion.

LOGUS CUT STRUCTURE :

Cursory investigation of this structure shows it to be the distal, narrowed portion of what may be a branch of the Broncho Dike. This proposed 'branch' is a stockwork of quartz veins and veinlets with some brecciation visible on the surface. Portions of this stockwork exposure are wider than 10 feet.

The areas sampled were within the Logus Cut, situated at the top of a hill, also outcrop in a roadcut, and a small prospect about 50 feet down-strike of the Cut. Very good assay results are reported to have originated from this location, and so within the framework of time budgeted, an effort to verify such values was made. Samples numbered 9471 thru 9474 are from this area, the results being uneconomic considering minable widths.

JAMISON MINE SITE :

Mineralization here is hosted within the Ithaca Peak Granite and various volcanics adjacent to the monzanite, or granite as it is named. Limited outcrop hinders proper delineation and evaluation. However, a few recent road-cuts offer fresh surfaces which were inspected and sampled. Figure 1 shows the position and scaled relationship of the samples to the Jamison shaft and tunnel.

JAMISON MINE (Chico Mines Group)
Surface Evaluation
December 13 & 14, 1981
Mat Allen for Hamilton Associates & Co.
Wm. Vanderwall for PRO, Inc.

JAMISON TUNNEL
(position approx)

Jamison Ore Stockpile sample,
approx 50 tons of material
north of the tunnel... 9469: 0.13 / 2.98

Explanation:

Sample I.D. # 9400
first value ..... gold, in troy ounces
second value ..... silver, troy ounces
tr = trace
nil = metal not present (not detected)
+ + + = Ithaca Peak Granite
= varrying degrees of silicification, ± FeO_x &/or MnO_x staining, &/or pyrite casts-molds or pseudomorph hematite-limonite after pyrite.
= altered volcanics (?) with pyrite, some chalcopyrite, FeO_x & MnO_x and secondary copper staining; varying degrees of dissemination.

9470: tr / 2.86

JAMISON DUMP SAMPLES:
North Slope
9467: 0.02 / 1.70
South Slope
9466: 0.02 / 1.32
End Slope
9468: 0.03 / 3.26
(approx 1500 tons of dump, avg 0.023/2.10)

JAMISON SHAFT

9461: 0.02 / 2.09
9462: 0.02/ 3.85
9460: 0.65 / 1.24
9459: 0.07 / 0.85
9458: (float) 0.02 / 6.24
9457: 0.02 / 0.18
9463: 0.02 / 1.24
9461
9453: tr / 0.38
9452: tr / nil
9451: tr / nil
9456: 0.02/2.51
9455: tr / nil
9454: tr / nil
9464: 0.02 / 0.25
9465: tr / 0.29

Contact (approx) of
Ithaca Peak Granite (Qtz-Monz),
and pre Cambrian granite.

0 50 100
SCALE: 1" = 50 feet

FIGURE 1

SAMPLE DESCRIPTION - ASSAY TABULATION

I.D.#	troy ounces Au	Ag	12/81 $	Description
9451	tr	nil	---	outcrop, 8' channel, weathered granite
9452	tr	nil	---	as above, 10' channel
9453	tr	.38	---	as above, 10' "
9454	tr	nil	---	as above, 10' "
9455	tr	nil	---	as above, 10' "
9456	.02	2.51	31.00	as above, 10' "
9457	.02	.18	10.00	as above, 2' " , weathered granite in wash-out
9458	.02	6.24	64.00	float sample, silicic, pyrite box-work, iron & mang stain
9459	.07	.85	35.00	outcrop, 6' channel, road cut floor, fresh rock
9460	.65	1.24	285.00	as above, 8' channel, as 9458
9461	.02	2.09	27.00	as above, 7' channel
9462	.02	3.85	44.00	as above, 10' channel
9463	.02	1.24	20.00	as above, 8' channel
9464	.02	.25	11.00	as above, 5' channel
9465	tr	.29	---	outcrop, 7' channel, weathered near contact with pC's
9466	.02	1.32	20.00	Jamison dump, grab over the south slope
9467	.02	1.70	24.00	as above, " " " north "
9468	.03	3.26	40.00	as above, " " " end "
9469	.13	2.98	80.00	Jamison ore stock-pile grab, north of Jamison tunnel
9470	tr	2.86	25.00	outcrop, altered host volcanics, iron & mang stain, sulfides
9471	.02	1.06	18.00	Logus Cut, outcrop sample, 4' channel
9472	.02	1.34	20.00	as above, " " 4' channel
9473	.04	3.95	53.00	select rock from dump of small prospect on Logus structure
9474	.02	2.02	26.00	misc outcrop south of Logus Cut on the structure, some grey quartz and dissem sulfides

TABLE 1

Predictably, samples from weathered, near-surface outcrop of the granite, assayed poorly in silver, but with no less than a trace of gold. Fresher exposures, especially from silicified areas within the host rock, occurring along the strike of mining efforts, did assay variably, yet interestingly well. In most cases, better gold and silver values accompanied manganous and iron staining, especially in the silicified areas.

Volcanics associated with the property, expecially those juxtaposing the granite, show varying degrees of sulfide mineralization and alteration. These rocks were examined but not sampled extensively. Sample 9470 is from outcrop at visible mine workings in the Jamison excavations within the volcanics.

Considerable tonnages of these two host rocks could be mined with minimal cost assuming preliminary evaluation and metallurgy confirms the economic feasibility thereof.

CONCLUSIONS & RECOMMENDATIONS :

A small stockwork deposit (maybe 50,000 tons) of gold and silver may exist within the confines of the silicified portions of the granite. Additional tonnage within the volcanics could be identified.

Dozer cuts across selected portions of the rock body, would facilitate more thorough sampling and delineation of the potential ore body. With favorable indications, a shallow drilling program could prove mineable ore to a depth of fifty to one hundred feet. Metallurgical analyses would need to accompany this work.

Respectfully submitted,

Matt Allen

M. W. Allen
December 19, 1981

SAMPLE DESCRIPTION - ASSAY TABULATION

I.D.#	troy ounces Au	Ag	12/81 $	Description
9451	tr	nil	---	outcrop, 8' channel, weathered granite
9452	tr	nil	---	as above, 10' channel
9453	tr	.38	---	as above, 10' "
9454	tr	nil	---	as above, 10' "
9455	tr	nil	---	as above, 10' "
9456	.02	2.51	31.00	as above, 10' "
9457	.02	.18	10.00	as above, 2' " , weathered granite in wash-out
9458	.02	6.24	64.00	float sample, silicic, pyrite box-work, iron & mang stain
9459	.07	.85	35.00	outcrop, 6' channel, road cut floor, fresh rock
9460	.65	1.24	285.00	as above, 8' channel, as 9458
9461	.02	2.09	27.00	as above, 7' channel
9462	.02	3.85	44.00	as above, 10' channel
9463	.02	1.24	20.00	as above, 8' channel
9464	.02	.25	11.00	as above, 5' channel
9465	tr	.29	---	outcrop, 7' channel, weathered near contact with pC's
9466	.02	1.32	20.00	Jamison dump, grab over the south slope
9467	.02	1.70	24.00	as above, " " " north "
9468	.03	3.26	40.00	as above, " " " end "
9469	.13	2.98	80.00	Jamison ore stock-pile grab, north of Jamison tunnel
9470	tr	2.86	25.00	outcrop, altered host volcanics, iron & mang stain, sulfides
9471	.02	1.06	18.00	Logus Cut, outcrop sample, 4' channel
9472	.02	1.34	20.00	as above, " " 4' channel
9473	.04	3.95	53.00	select rock from dump of small prospect on Logus structure
9474	.02	2.02	26.00	misc outcrop south of Logus Cut on the structure, some grey quartz and dissem sulfides

9451 - 9470 SURFACE SAMPLE AROUND SE AREA OF JAMISON SHAFT
9471 - 9474 FROM PROSPECT NEAR PEAK MARKED 5222 USGS TOPO
NE PORTION OF CHICA CLAIMS

TABLE 1

Arizona Testing Laboratories

817 West Madison · Phoenix, Arizona 85007 · Telephone 254-6181

WILLIAM VANDERWALL
GEOLOGIST

For

Date July 18, 1980

PACIFIC REGIONAL OPERATIONS, INC. P.O. Box 716
(602) 994-3147 SCOTTSDALE, ARIZONA 85252

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER	LEAD	ZINC	
6901	7 C-1	2.8	54.				
	8 G-10S	0.55	68.				
	9 J-10S	3.3	48.	12. %	6.0 %	2.1 %	
	10 LB 1C	3.3	5.3	0.43	0.35	0.23	
	11 LB IV	3.3	26.				
	12 M IV	0.15	1.6				

Respectfully submitted,
ARIZONA TESTING LABORATORIES

Claude E. McLean, Jr.

Claude E. McLean, Jr.

Registered Assayer
CERTIFICATE NO
6258
CLAUDE EUGENE
McLEAN, JR.
Signed 7/18/80
ARIZONA, U.S.A.

Arizona Testing Laboratories

817 West Madison · Phoenix, Arizona 85007 · Telephone 254-6181

WILLIAM VANDERWALL
GEOLOGIST

For

Date July 18, 1980

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LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER	LEAD	ZINC	
6901	7 C-1	2.8	54.				
	8 G-10S	0.55	68.				
	9 J-10S	3.3	48.	12. %	6.0 %	2.1 %	
	10 LB 1C	3.3	5.3	0.43	0.35	0.23	
	11 LB IV	3.3	26.				
	12 M IV	0.15	1.6				

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McLEAN, JR.
Signed 7/18/80
ARIZONA, U.S.A.

Arizona Testing Laboratories

817 West Madison · Phoenix, Arizona 85007 · Telephone 254-6181

WILLIAM VANDERWALL
GEOLOGIST

For

Date July 2, 1980

PACIFIC REGIONAL OPERATIONS, INC. P.O. Box 716
(602) 994-3147 SCOTTSDALE, ARIZONA 85252

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
6646	14 #1	0.08	46.				
	15 2	0.13	16.				
	16 3	0.16	43.				
	17 4	0.14	4.8				
	18 5	0.03	20.				
	19 6	0.04	23.				
	20 7	0.49	0.50				

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E. McLean, Jr.

Registered Assayer
CERTIFICATE NO. 6258
CLAUDE EUGENE McLEAN, JR.
Date Signed 7/1/80
ARIZONA, U.S.A.

ASSAYS AND TEST RESULTS

There have been several hundred samples taken and analized from the Chico Property, however, not all are reliable. Kevin M. Kenny probably expended the most time properly sampling the various veins, and only his results are shown here.

A total of 64 samples were assayed for gold and silver. 44 samples were assayed for lead, zinc and copper. The average assay results are as follows:

Gold	0.075 oz/ton
Silver	6.103 oz/ton
Lead	0.255 percent
Zinc	2.074 percent
Copper	0.402 percent

The gold-silver recovery should be of a higher percentage rate than that of the surrounding mines due to the low lead-zinc-copper content of the ore tested.

IRON KING ASSAY OFFICE

ASSAY CERTIFICATE

BOX 14 — PHONE 632-7410

HUMBOLDT, ARIZONA 86329

ASSAY MADE FOR

KEVIN M. KENNEY
1301 Lemon St.
Tempe, Ariz. 85281

January 14, 1975

ef no.	SAMPLE DESCRIPTION	Gold oz/ton	Silver oz/ton	$ Gold @126.	$ Ag @4.50	TOTAL
-9-1	26-A-1 Dr. VN	.006	0.82	.72	3.69	4.41
9-2	26A-2MG Dr VN Lot green	.032	7.64	3.54	34.38	38.22
-9-3	26-A-3 Dr VN	.018	1.40	2.16	6.3	8.46
-9-4	26-B-1 Dump Road Clean 7th VN	Tr	0.68		3.05	3.05
-9-5	26-B-2 dump	Tr	0.36		1.62	1.62
-9-6	26-C-1 Rd To 98 VN w/Blue at South	.012	1.49	1.44	6.705	8.145
-9-7	26-C-2 North 98	Tr	2.38		10.71	10.71
-9-8	26-DC-2 Base of ◢	Tr	3.30		14.85	14.85
-9-9	26-DC-3 N of ◢ wall	.014	4.87	1.68	21.919	23.59
-9-10	26-DC-4 S of ◢ wall	.030	4.38	3.6	19.71	23.31
-9-11	26-DD-4 VN 98 Trav Adit D-4 below D-4 Adit	.366	5.72	43.93	25.69	69.62
-9-12	26-DCGD Pete's Shaft Malachite Co.	.384	35.64	46.08	160.42	206.42
-9-13	26-DCGD-2 Pete's Dump Sulfide	.396	10.20	47.52	45.9	93.42
-9-14	26-D-LB2 Little Bag 1/2 Road	.030	1.17	3.6	5.26	8.86
-9-15	26-D-98E cut on 98	Tr	0.78		3.51	3.51
-9-16	26-D-98S Drum at 98	.020	5.62	2.4	25.29	25.29
-9-17	26-D-6SV VN Pete's Shaft	.356	25.62	42.72	115.29	158.01
-9-18	26-D-W1 Trench VN Green Mint Period	.016	0.76	1.92	3.42	5.34
-9-19	26-D-98W cut near 98	.028	5.73	3.36	25.78	29.14
-9-20	26-M-D Mint Dump	.066	1.38	7.92	6.21	14.13
		Au .077	Ag 5.[illegible]			

IRON KING ASSAY OFFICE

ASSAY CERTIFICATE

BOX 14 — PHONE 632-7410

HUMBOLDT, ARIZONA 86329

A MADE FOR

GENE HUDSON
RMC CORP.
910 So. Ho Ho Kam
Suite 115 - 116
Tempe Ariz. 85281

Dec. 6, 1975

Ref no.	SAMPLE DESCRIPTION	Gold oz/ton	Silver oz/ton	Lead %	Zinc %	Copper %
12-1-1	LITTLE BOY SHAFT BP Vein	.026	12.21	1.74	21.30	0.04
12-1-2	M-1	.126	45.13	0.06	1.20	0.05
12-1-3	JT-EOT-L	Tr	0.36	0.03	1.40	0.02
12-1-4	A-1	.280	1.75	0.26	0.095	0.02
12-1-5	~~Axex~~ A'-1	.016	10.64	Nil	0.60 ~~0.08~~	1.24
12-1-6	A-2	.024	8.32	0.20	0.45	1.98
12-1-7	A-3	.018	0.96	Nil	1.05	0.20
12-1-8	A-4	.002	1.16	0.48	1.35	0.14
12-1-9	B-1	.014	0.25	Nil	0.40	0.01
12-1-10	B-2	Tr	0.32	Nil	0.55	0.02
12-1-11	B-3	Tr	0.34	Nil	0.65	0.02
12-1-12	B-4	Tr	0.60	Nil	0.50	0.02
12-1-13	B-5	Tr	0.54	Nil	0.35	0.02
12-1-14	D-1	.006	1.84	Nil	0.55	0.07
12-1-15	D-2	.032	7.13	0.34	0.10	0.05
12-1-16	D-3	.050	7.67	0.08	1.40	0.04
12-1-17	D-4	.506	17.57	0.10	0.60	3.54
12-1-18	D-5 Goetz	Tr	13.50	Nil	1.15	1.34
12-1-19	D-6	.070	8.29	0.58	1.80	0.11
12-1-20	D-7	.150	1.79	0.36	1.80	0.03
12-1-21	JD-R1	.010	1.87	Nil	0.95	0.22
12-1-22	JD-R3	.060	4.90	Nil	0.80 ~~1.25~~	1.30 ~~0.36~~
12-1-24	JD-TF4	.068	6.49	Nil	0.80	1.18
12-1-25	JD-BF5 Jameson Dump Bottom Front	.072	2.41	Nil	0.30	0.18

IRON KING ASSAY OFFICE

ASSAY CERTIFICATE

BOX 14 — PHONE 632-7410
HUMBOLDT, ARIZONA 86329

SSAY
ADE
OR

GENE HUDSON
RMC Corp.
910 So. Hohokam, Suite 115-116
Tempe, Ariz. 85281

Dec. 6, 1975

℄ no.	SAMPLE DESCRIPTION	Silver oz/ton	Gold oz/ton	Lead %	Zinc %	Copper %
-1-23	JD-R4 Screen Dump	.018	1.78	Nil	1.25	0.36
-1-26	~~XXXXX~~ JT-ESQS1 END Square Sets Sample	Tr	Tr	nil	0.65	0.02
-1-27	JT-ESQS2 "	.034	1.29	Nil	1.60	0.13
-1-28	JT-ESQS3 "	.010	0.39	Nil	1.05	0.02
-1-29	JT-A5-2 "	Tr	0.20	Nil	0.80	0.01
-1-30	JT-EOT*R1 "	.014	0.49	Nil	1.35	0.02
-1-31	JT Top A5-15 "	.456	41.58	Nil	19.55	3.98
-1-32	~~XXXXX~~ JD-A51	.016	0.59	Nil	1.10	0.05
-1-33	JD-RS3 Screen Dump	.030	1.25	Nil	0.80	0.33
-1-34	JD-T-1 Screen Dump	.020	1.64	Nil	0.65	0.19
-1-35	BP-1 Vein Little Boy Shaft	.256	13.42	4.92	18.70	0.32
-1-36	BP-2 Little Boy	Tr	0.34	Nil	0.65	0.02
-1-37	JD-LS-2 Dump Screen	Tr	0.68	Nil	0.65	0.16
-1-38	ME=1 From "98" Claim	.002	0.42	Nil	0.55	0.05
-1-39	~~XXXX~~ ME-2 Start	.004	3.08	Nil	0.65	0.32
-1-40	ME-3	.028	5.07	Nil	0.55	0.69
-1-41	M-2 — ment —	.010	0.67	Nil	0.70	0.03
-1-42	M-3	.006	0.24	Nil	0.60	0.03
-1-43	M-4	.564	5.70	Nil	0.65	0.03
-1-44	M-5	.006	0.32	Nil	0.65	0.01
-1-45	M-6	.080	2.70	2.44	0.65	0.03
-1-46	M-7	.018	0.46	Nil	0.65	0.02
	Av	.0715 oz	5.8 oz	0.335 %	2.475 %	3.31 %
	Total Av	0.0747	[illegible]	0.2555 %	2.074 %	3.4015 %

Charges $483.75

WALTER G. STATLER
Signed 12/6/75
ARIZONA, U.S.A.

Arizona Testing Laboratories

817 West Madison · Phoenix, Arizona 85007 · Telephone 254-6181

For Mr. Bill Vanderwall
961 West Parkway Blvd.
Tempe, Arizona 85281

Date July 2, 1980

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
6646	14 #1	0.08	46.				
	15 2	0.13	16.				
	16 3	0.16	43.				
	17 4	0.14	4.8				
	18 5	0.03	20.				
	19 6	0.04	23.				
	20 7	0.49	0.50				

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E. McLean, Jr.

Registered Assayer
CERTIFICATE NO. 6258
CLAUDE EUGENE McLEAN, JR.
Date Signed 7-2-80
ARIZONA, U.S.A.

Arizona Testing Laboratories

817 West Madison · Phoenix, Arizona 85007 · Telephone 254-6181

For: Mr. William Vanderwall
961 West Parkway Blvd.
Tempe, Arizona 85381

Date: July 17, 1980

Lab. No.: 6797

Sample: Water

Marked: No Mark

Received: 7/11/80

Submitted by: Same

REPORT OF LABORATORY TESTS

13

Copper	6.1 mg/L
Lead	0.061
Zinc	87.
Silver	*lt 0.02

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Steven Hankins

Steven Hankins

*lt = less than

Arizona Testing Laboratories

817 West Madison · Phoenix, Arizona 85007 · Telephone 254-6181

For Mr. Bill Vanderwall
961 West Parkway Blvd.
Tempe, Arizona 85381

Date July 16, 1980

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER	LEAD	ZINC	
6825	1 #1-C	Trace	3.4				
	2 #2-C	Trace	2.2	0.32	0.13	0.32	
	3 #3-C	0.01	0.40	0.02	0.24	0.26	
	4 #4-C	0.84	14.	0.37	8.3	13.	
	5 #5-C	0.17	4.5	0.11	0.66	5.0	
	6 #6-C	0.01	0.60	2.8	0.08	0.25	

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E. McLean, Jr.

Claude E. McLean, Jr.

Registered Assayer
CERTIFICATE NO. 6258
CLAUDE EUGENE McLEAN, JR.
Date Signed 7/16/80
ARIZONA, U.S.A.

Arizona Testing Laboratories

817 West Madison · Phoenix, Arizona 85007 · Telephone 254-6181

For Mr. Bill Vanderwall
961 West Parkway Blvd.
Tempe, AZ. 85281

Date July 18, 1980

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER	LEAD	ZINC	
6901	7 C-1	2.8	54.				
	8 G-10S	0.55	68.				
	9 J-10S	3.3	48.	12. %	6.0 %	2.1 %	
	10 LB 1C	3.3	5.3	0.43	0.35	0.23	
	11 LB IV	3.3	26.				
	12 M IV	0.15	1.6				

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E. McLean, Jr.

Registered Assayer
CERTIFICATE NO. 6298
CLAUDE EUGENE McLEAN, JR.
Date Signed 7-18-80
ARIZONA, U.S.A.

1435 SOUTH 10TH AVENUE
TUCSON, ARIZONA 85713

Jacobs Assay Office

Registered Assayers

Since 1880

PHONE 622-0813

Tucson, Arizona, 20 Aug. 1980

Sample Submitted by Mr. Arizona Testing Lab.

	Sample Marked	GOLD Ozs. per ton ore	GOLD ~~Value per ton ore*~~	SILVER Ozs. per ton ore	~~COPPER Per cent Wet Assay~~	~~LEAD Per cent Wet Assay~~	~~Per Cent Wet Assay~~	~~Per Cent Wet Assay~~	~~Per Cent Wet Assay~~
	6901 -								
21	LB-1C	2.018	~	4.60		See LB1C description 7-18-80			
22	J105	12.02	~	47.10		See J105 Description 7-18-80			

* Gold Figured ~~$300.00~~ per oz. Troy

Charges $ 12.00

Very respectfully,

Mr. D. Jacobs

Arizona Testing Laboratories

817 West Madison · Phoenix, Arizona 85007 · Telephone 254-6181

WILLIAM VANDERWALL
GEOLOGIST

For

Date July 2, 1980

PACIFIC REGIONAL OPERATIONS, INC. P.O. Box 716
(602) 994-3147 SCOTTSDALE, ARIZONA 85252

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
6646	14 #1	0.08	46.				
	15 2	0.13	16.				
	16 3	0.16	43.				
	17 4	0.14	4.8				
	18 5	0.03	20.				
	19 6	0.04	23.				
	20 7	0.49	0.50				

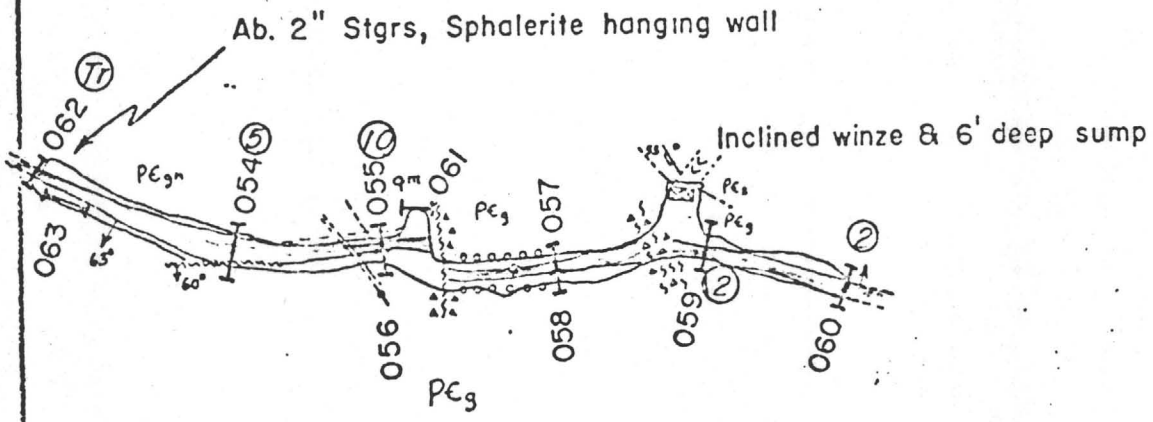
Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E. McLean, Jr.

Registered Assayer
CERTIFICATE NO. 6258
CLAUDE EUGENE McLEAN, JR.
Date Signed 7-2-80
ARIZONA, U.S.A.

	SAMPLES						
	No.	LENGTH FEET	Ag	Au	Cu	Pb - %	Zn
VEIN	054	5'	4.9	.017	.70	.30	.80
VEIN	055	2'	10.0	.031	3.80	.36	.50
GANGUE	056	5'	Tr	nil	.008	.28	.05
GANGUE	057	8'	0.7	.013	.12	.26	.07
GANGUE	058	9'	1.1	.011	.12	.26	.08
QTz Bx	059	8'	1.6	.016	.18	.31	.10
VEIN	060	6'	1.5	.029	.15	.31	.08
GANGUE	061	8'	Tr	.003	.02	.28	.01
VEIN	062	3'	0.4	.022	.04	.19	.09
GANGUE	063	10'	Tr	.057	.01	.18	.01



DUVAL CORPORATION - EXPLORATION DEPT.

CHICO MINE
JAMISON VEIN — 300' LEVEL 1968

GEOLOGY AND SAMPLE MAP

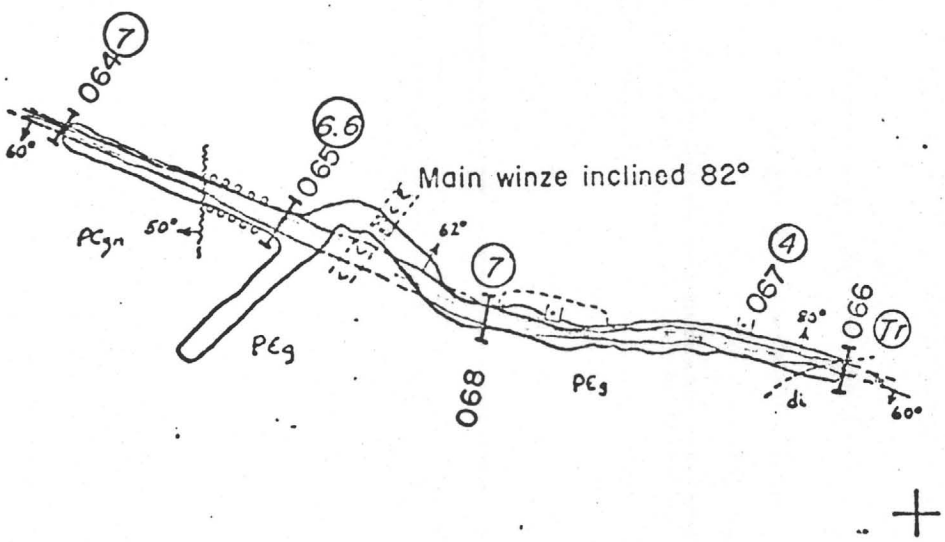
STATE: ARIZONA
COUNTY: MOHAVE
TOWNSHIP, RANGE: 23 N, 17 W
MAP NO.: B-2419

DRAWN BY: J.W.
DATE: 7/26/68

50' 25' 0' 50' 100'

PLATE

SAMPLES						
No.	LENGTH FEET	Ag	Au	Cu	Pb - %	Zn
064	2'	6.9	.048	.60	.24	.15
065	7'	6.6	.039	1.90	.26	.08
066	6'	Tr	.002	.30	.26	.12
067	Muck	4.2	.022	.60	.30	.28
068	8'	7.0	.043	1.40	.69	.22



DUVAL CORPORATION - EXPLORATION DEPT.

CHICO MINE
JAMISON VEIN — 200' LEVEL

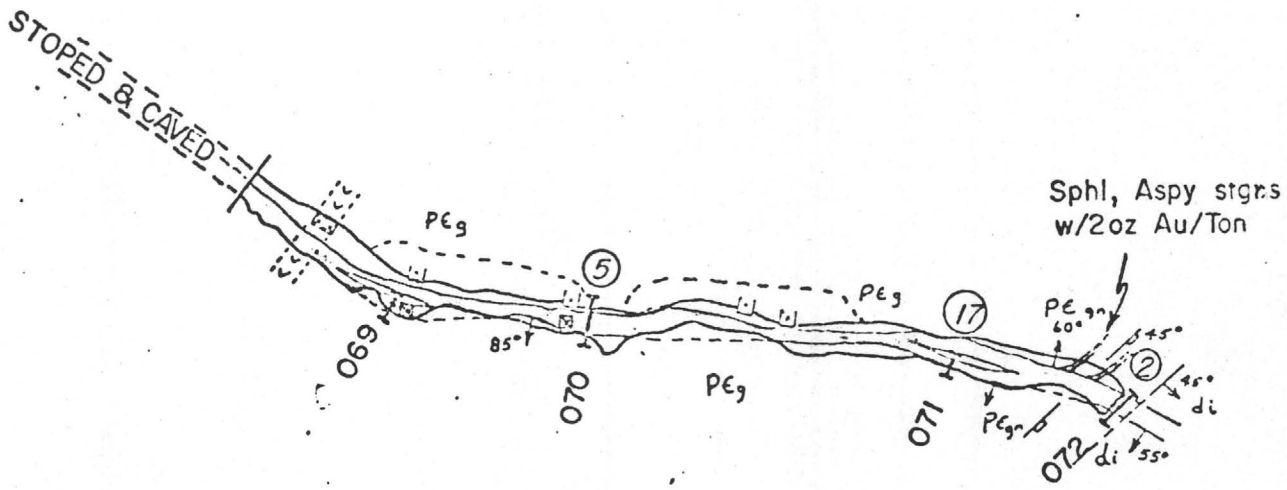
TYPE
GEOLOGY & SAMPLE MAP

DATA BY J. W. | DRAWN BY J. W. | DATE 7/26/68

50' 25' 0' 50' 100'
1" = 50 Ft.

STATE ARIZONA
COUNTY MOHAVE
TOWNSHIP, RANGE 23 N, 17 W
U.S.M.M. B-2420
PLATE

SAMPLES						
No.	LENGTH FEET	Ag	Au	Cu	Pb – %	Zn
069	4'	10.2	.031	1.90	.27	1.00
070	6'	5.0	.022	.70	1.59	.40
071	1.75'	17.0	.022	3.20	4.22	.40
072	6'	1.4	.018	.16	.46	1.20



DUVAL CORPORATION – EXPLORATION DEPT.

CHICO MINES
JAMISON VEIN — 100' LEVEL

TYPE
GEOLOGY & SAMPLE MAP

DRAWN BY J.W. | DESIGN BY J.W. | DATE 7/26/68

STATE ARIZONA
COUNTY MOHAVE
TOWNSHIP, RANGE 23 N, 17 E
MAP NO. B-2421

50' 25' 0' 50' 100'

Shop No. 5400
File No. 2588 00

Date 17 AUG 1968

VALUES
Latest Quotation

1 oz. Gold
1 oz. Silver
1 lb. Copper
1 lb. Lead
1 lb. Zinc

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

CHAS. E. GOETZ MINING & EXPLORATION CO
PHOENIX Az.85031

Short Ton ..... 2000 Lbs.
Short Ton Unit ..... 20 Lbs.
Long Ton ..... 2240 Lbs.
Long Ton Unit ..... 22.4 Lbs.

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON		GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON		TOTAL VALUE PER TON of Gold & Silver		PERCENTAGE COPPER	PERCENTAGE LEAD	PERCENTAGE ZINC		REMARKS
	2	.20	$4	.40		.01	$	.35			0.21	0.80	4.50		
															440
															35
															$46
															208
															1170

Jamison
300 ft

Charges $ 12.00

Assayer

JACK STONE REG. No. 5479

ANDY CHUKA, PRINT

Shop 473
File No. 2564 GO

Date 16 JULY 1968

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

VALUES
Latest Quotation

1 oz. Gold
1 oz. Silver $ 2.25
1 lb. Copper .38
1 lb. Lead
1 lb. Zinc

THIS CERTIFIES
Samples submitted for assay contain as follows:

CHAS.E.GOETZ MINING & EXPLORATION CO
PHOENIX ARIZONA 85031

Short Ton ..... 2000 Lbs.
Short Ton Unit ..... 20 Lbs.
Long Ton ..... 2240 Lbs.
Long Ton Unit ..... 22.4 Lbs.

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON		GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON		TOTAL VALUE PER TON of Gold & Silver		PERCENTAGE Copper	PERCENTAGE LEAD			REMARKS
Jameson 300 ft	11	.40	$25	.65		.01	$	.35			2.50	5.00			

Charges $ 10.00

Assayer

JACK STONE Reg. No. 3479

DEC 31, 19
ARIZONA, U.S.A.

ANDY CHUKA, PRINT

Jameson
80 ft Level

VALLEY ASSAY OFFICE
AND ORE TESTING LABORATORY
MEMORANDUM OF ASSAY

Made for Alex Prohoroff Tempe, Arizona, Jan. 12, 1967

SAMPLE NO.	PER TON OF 2000 POUNDS AVOIRDUPOIS								COPPER, OR			LEAD, OR			TOTAL	
	GOLD				SILVER											
	AT 35.00 PER OUNCE				AT 1.30 PER OUNCE				AT 0.38 PER LB.			AT 0.15 PER LB.				
	OZS.	100's	$	CTS.	OZS.	100's	$	CTS.	%	$	CTS.	%	$	CTS.	$	CTS.
1	0.	12	4	20	14.	40	18	74	1.4	10	46	9.2	25	60		
										Zinc	----	3.2	24	60		
															93	20
									Molybdenum			0.21				

REMARKS:

NO.

CHARGE $ 16.00 Pd.

BY T. Lee Bryan
Registered Assayer.

Chico Mines

VALLEY ASSAY OFFICE
AND ORE TESTING LABORATORY

MEMORANDUM OF ASSAY

Made for Charles E. Gietz Tempe, Arizona, Feb 13, 19 67

SAMPLE NO.	PER TON OF 2000 POUNDS AVOIRDUPOIS								COPPER, OR			LEAD, OR			TOTAL	
	GOLD				SILVER											
	AT 35.00 PER OUNCE				AT 1.50 PER OUNCE				AT 0.38 PER LB.			AT 0.15 PER LB.				
	OZS.	100's	$	CTS.	OZS.	100's	$	CTS.	%	$	CTS.	%	$	CTS.	$	CTS.
1	0.	08	2	80	36.	10	46	93	22.7	172	52	.25		75		
									Zinc	-------		.15		45	243	45

Shop No. 123
File No. 2559 GO
2559

Date 29 FEB 1968

VALUES
Latest Quotation

1 oz. Gold
1 oz. Silver
1 lb. Copper
1 lb. Lead
1 lb. Zinc

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1146

CHAS.E.GOETZ MINING & EXPLORATION CO
PHOENIX ARIZONA

Short Ton ..... 2000 Lbs.
Short Ton Unit ..... 20 Lbs.
Long Ton ..... 2240 Lbs.
Long Ton Unit ..... 22.4 Lbs.

MARKS	SILVER PER TON Ozs.	Tenths	VALUE PER TON		GOLD PER TON Ozs.	100ths	VALUE PER TON		TOTAL VALUE PER TON of Gold & Silver		PERCENTAGE LEAD				REMARKS
	23.	20	$34.	80		.01	$	.35			21.20				

Bonie Gant

REGISTERED ASSAYER CERTIFICATE

Shop No. 8032J
File No. 12 JA

Date 8 DEC 1967

VALUES
Latest Quotation

1 oz. Gold
1 oz. Silver $1.50
1 lb. Copper
1 lb. Lead
1 lb. Zinc

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

CHAS.E.GOETZ MINING & EXPLORATION CO

JAMISON

Short Ton ..... 2000 Lbs.
Short Ton Unit ..... 20 Lbs.
Long Ton ..... 2240 Lbs.
Long Ton Unit ..... 22.4 Lbs.

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON		GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON		TOTAL VALUE PER TON of Gold & Silver		PERCENTAGE COPPER				REMARKS
JAMISON	23.	6	$35.	40		.04	$1.	40			18.30				

Jamison
Silver 35.40
Gold 1.40
Copper 12.30

Charges $ 6.50 PAID

Assayer

REGISTERED ASSAYER
CERTIFICATE
DEC. 31, 19
JACK STORK REG. NO. 5479

ANDY CHUKA, PRINT

Jameson
80 ft Level

VALLEY ASSAY OFFICE
AND ORE TESTING LABORATORY
MEMORANDUM OF ASSAY

Made for Alex Prohoroff Tempe, Arizona, Jan. 12, 19 67

SAMPLE NO.	PER TON OF 2000 POUNDS AVOIRDUPOIS								COPPER, OR			LEAD, OR			TOTAL	
	GOLD				SILVER											
	AT 35.00 PER OUNCE				AT 1.20 PER OUNCE				AT 0.38 PER LB.			AT 0.15 PER LB.				
	OZS.	100's	$	CTS.	OZS.	100's	$	CTS.	%	$	CTS.	%	$	CTS.	$	CTS.
1	0.	12	4	20	14.	40	18	74	1.4	10	46	9.2	25	60		
										Zinc	----	13.2	34	60		
															93	20
									Molybdenum			0.21				

REMARKS:

NO.

CHARGE $ 16.00 Pd.

BY L. Lee Kuyer
Registered Assayer.

Chico Jameson

VALLEY ASSAY OFFICE
AND ORE TESTING LABORATORY
MEMORANDUM OF ASSAY

Made for Charles E. Gietz Tempe, Arizona, Feb 13, 19 67

SAMPLE NO.	PER TON OF 2000 POUNDS AVOIRDUPOIS								COPPER, OR			LEAD, OR			TOTAL	
	GOLD				SILVER											
	AT 35.00 PER OUNCE				AT 1.30 PER OUNCE				AT 0.38 PER LB.			AT 0.15 PER LB.				
	OZS.	100's	$	CTS.	OZS.	100's	$	CTS.	%	$	CTS.	%	$	CTS.	$	CTS.
1	0.	08	2	80	36.	10	46	93	22.7	172	52	.25		75		
									Zinc	--	---	.15		45	243	45

Chico Mum

VALLEY ASSAY OFFICE
AND ORE TESTING LABORATORY
MEMORANDUM OF ASSAY

Made for Coetz Mining Co. Tempe, Arizona, Feb. 17, 19 67

SAMPLE NO.	PER TON OF 2000 POUNDS AVOIRDUPOIS								COPPER, OR			LEAD, OR			TOTAL	
	GOLD				SILVER											
	AT 35.00 PER OUNCE				AT 1.30 PER OUNCE				AT 0.38 PER LB.			AT PER LB.				
	OZS.	100's	$	CTS.	OZS.	100's	$	CTS.	%	$	CTS.	%	$	CTS.	$	CTS.
1	2.	84	99	40	8.	40	10	92	.65	4	94				115	26
2 Average	1.	02	35	70	3.	60	4	68	.85	6	46				46	84
3 Dark	0.	14	4	90	1.	40	1	82	.20	1	52				8	24
															170	34
															3	4.07
															5	

REMARKS:

ARIZONA TESTING LABORATORIES

A DIVISION OF CLAUDE E. McLEAN & SON LABORATORIES, INC.
PHONE 254-6181 817 WEST MADISON ST. P. O. BOX 1888 PHOENIX 85001

Chemist . . . Engineers

For Roy Montague
Box 217
[redacted], Arizona

Date August 24, 1966

Sample of Chloride Ore

Received: 8-24, 1966

Submitted by:

Note

ASSAY CERTIFICATE

Gold figured at $ 35.00 per ounce

Silver figured at $ 1.29 per ounce

LAB. NO.	IDENTIFICATION	GOLD		SILVER		PERCENTAGES		
		OZ. PER TON	VALUE	OZ. PER TON	VALUE	Copper	Zinc	Cobalt
852	Jamison Drift	.40	$14.00	.80	$1.03	0.05	7.60	0.05

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E. McLean

Claude E. McLean, Jr.

1435 SOUTH 10TH AVENUE
TUCSON, ARIZONA 85713

Jacobs Assay Office

Registered Assayers

Since 1880

PHONE 622-0813

Tucson, Arizona, 20 Aug., 1980

Sample Submitted by Mr. Arizona Testing Lab.

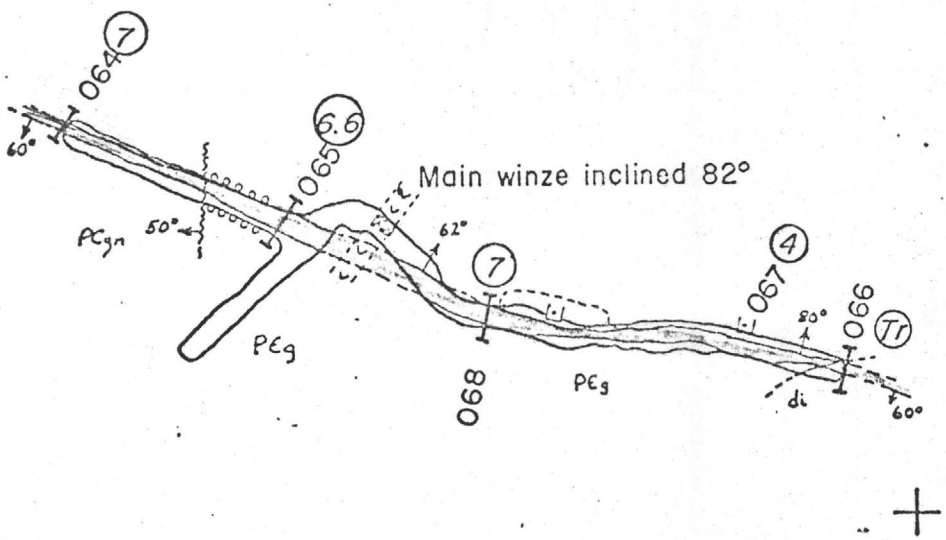
	Sample Marked	GOLD Ozs. per ton ore		~~GOLD Value per ton ore*~~		SILVER Ozs. per ton ore		~~COPPER Per cent Wet Assay~~		~~LEAD Per cent Wet Assay~~		~~Per Cent Wet Assay~~		~~Per Cent Wet Assay~~		~~Per Cent Wet Assay~~	
	6901 -																
21	LB-1C	2.018		~		4.60				see LB1C description 7-18-80							
22.	J105	12.036		~		47.10				see J105 Description 7-18-80							

* Gold Figured ~~$300.00 per~~ oz. Troy

Charges $ 12.00

Very respectfully,

SAMPLES						
No.	LENGTH FEET	Ag	Au	Cu	Pb – %	Zn
064	2'	6.9	.048	.60	.24	.15
065	7'	6.6	.039	1.90	.26	.08
066	6'	Tr	.002	.30	.26	.12
067	Muck	4.2	.022	.60	.30	.28
068	8'	7.0	.043	1.40	.69	.22



DUVAL CORPORATION – EXPLORATION DEPT.

CHICO MINE
JAMISON VEIN – 200' LEVEL

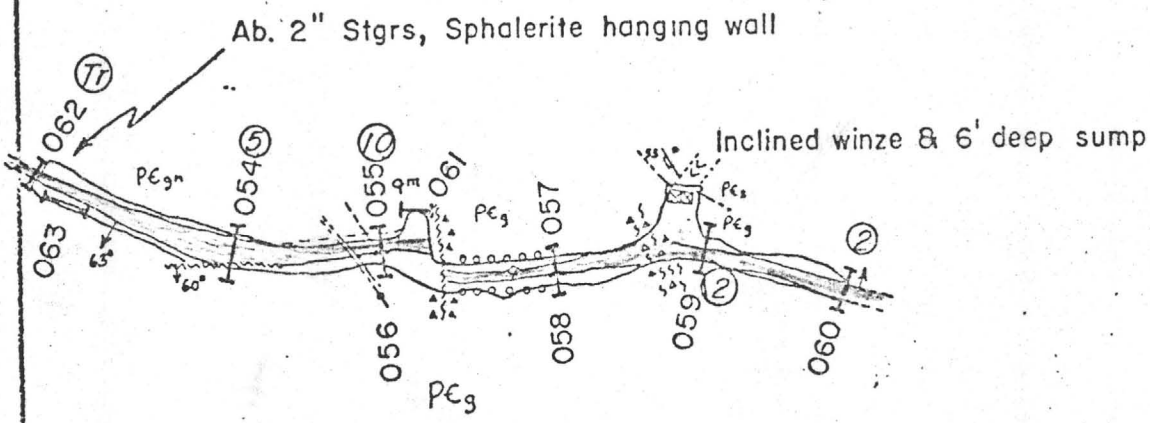
TYPE
GEOLOGY & SAMPLE MAP

DATA BY J. W. | DRAWN BY J. W. | DATE 7/26/68

50' 25' 0' 50' 100'
1" = 50 Ft

STATE ARIZONA
COUNTY MOHAVE
TOWNSHIP, RANGE 23 N, 17 W
U.S.P. NO.
B-2420
PLATE

	SAMPLES						
	No.	LENGTH FEET	Ag	Au	Cu	Pb - %	Zn
VEIN	054	5'	4.9	.017	.70	.30	.80
VEIN	055	2'	10.0	.031	3.80	.36	.50
GANGUE	056	5'	Tr	nil	.008	.28	.05
GANGUE	057	8'	0.7	.013	.12	.26	.07
GANGUE	058	9'	1.1	.011	.12	.26	.08
QTz Bx	059	8'	1.6	.016	.18	.31	.10
VEIN	060	6'	1.5	.029	.15	.31	.08
GANGUE	061	8'	Tr	.003	.02	.28	.01
VEIN	062	3'	0.4	.022	.04	.19	.09
GANGUE	063	10'	Tr	.057	.01	.18	.01



DUVAL CORPORATION-EXPLORATION DEPT.

CHICO MINE

JAMISON VEIN — 300' LEVEL 1968

TYPE: GEOLOGY AND SAMPLE MAP

DATA BY	DRAWN BY	DATE
J.W.	J.W.	7/26/68

50' 25' 0' 50' 100'

STATE: ARIZONA

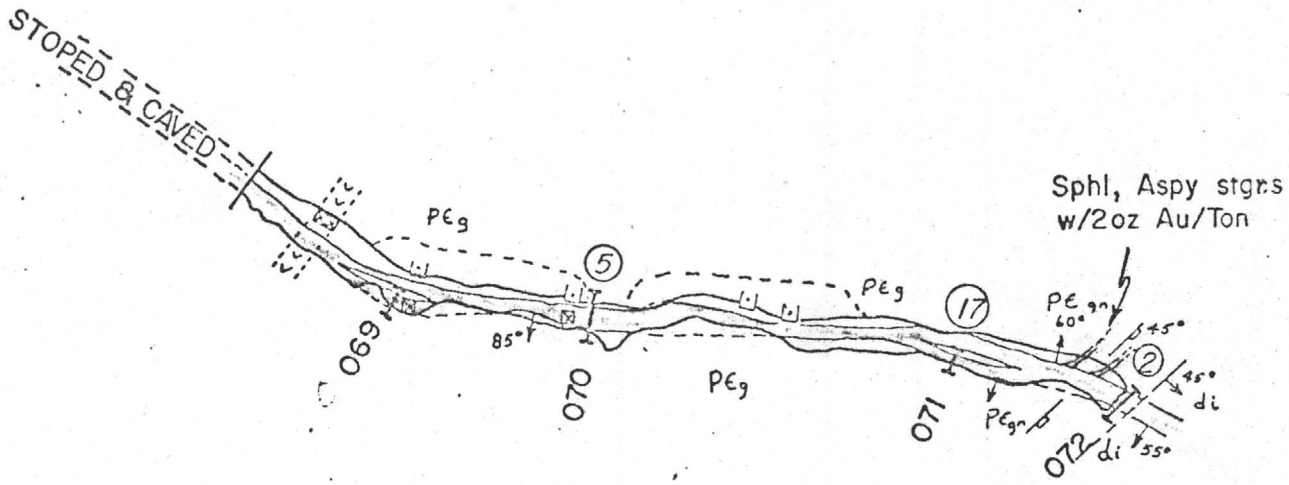
COUNTY: MOHAVE

TOWNSHIP, RANGE: 23 N, 17 W

MAP NO.: B-2419

PLATE

SAMPLES						
No.	LENGTH FEET	Ag	Au	Cu	Pb-%	Zn
069	4'	10.2	.031	1.90	.27	1.00
070	6'	5.0	.022	.70	1.59	.40
071	1.75'	17.0	.022	3.20	4.22	.40
072	6'	1.4	.018	.16	.46	1.20



DUVAL CORPORATION-EXPLORATION DEPT.

CHICO MINES
JAMISON VEIN — 100' LEVEL

TYPE
GEOLOGY & SAMPLE MAP

DRAWN BY J.W. | DRAWN BY J.W. | DATE 7/26/68

50' 25' 0' 50' 100'

STATE ARIZONA
COUNTY MOHAVE
TOWNSHIP, RANGE 23 N, 17 E
MAP NO. B-2421

1435 SOUTH 10TH AVENUE
TUCSON, ARIZONA 85713

Jacobs Assay Office

Registered Assayers

Since 1880

PHONE 622-0813

Tucson, Arizona, 20 Aug., 1980

Sample Submitted by Mr. Arizona Testing Lab.

	Sample Marked	GOLD Ozs. per ton ore	GOLD ~~Value per ton ore*~~	SILVER Ozs. per ton ore	COPPER ~~Per cent Wet Assay~~	LEAD ~~Per cent Wet Assay~~	~~Per Cent Wet Assay~~	~~Per Cent Wet Assay~~	~~Per Cent Wet Assay~~
	6901 -								
21	LB-1C	2.078	~	4.60		see LB1C description 7-18-80			
22.	J105	12.036	~	47.10		see J105 Description 7-18-80			
	22								

* Gold Figured ~~$300.00 per~~ oz. Troy

Charges $ 12.00

Very respectfully,

Mabel D. Jacobs

Arizona Testing Laboratories

817 West Madison · Phoenix, Arizona 85007 · Telephone 254-6181

WILLIAM VANDERWALL
GEOLOGIST

For

Date July 16, 1980

PACIFIC REGIONAL OPERATIONS, INC. P.O. Box 716
(602) 994-3147 SCOTTSDALE, ARIZONA 85252

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER	LEAD	ZINC	
	MAP I.D. NO.						
6825	1 #1	Trace	3.4				
	2 #2	Trace	2.2	0.32	0.13	0.32	
	3 #3	0.01	0.40	0.02	0.24	0.26	
	4 #4	0.84	14.	0.37	8.3	13.	
	5 #5	0.17	4.5	0.11	0.66	5.0	
	6 #6	0.01	0.60	2.8	0.08	0.25	

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E. McLean

Claude E. McLean, Jr.

Registered Assayer
CERTIFICATE NO. 6258
CLAUDE EUGENE McLEAN, JR.
Date Signed 7/16/80
ARIZONA, U.S.A.

Arizona Testing Laboratories

817 West Madison · Phoenix, Arizona 85007 · Telephone 254-6181

WILLIAM VANDERWALL
GEOLOGIST

For

PACIFIC REGIONAL OPERATIONS, INC. P.O. Box 716
(602) 994-3147 SCOTTSDALE, ARIZONA 85252

Date July 2, 1980

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
6646	14 #1	0.08	46.				
	15 2	0.13	16.				
	16 3	0.16	43.				
	17 4	0.14	4.8				
	18 5	0.03	20.				
	19 6	0.04	23.				
	20 7	0.49	0.50				

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E. McLean, Jr.

Registered Assayer
CERTIFICATE NO. 6258
CLAUDE EUGENE McLEAN, JR.
State of Arizona
ARIZONA, U.S.A.

Jameson
80 ft Level

VALLEY ASSAY OFFICE
AND ORE TESTING LABORATORY
MEMORANDUM OF ASSAY

Made for Alex Prohoroff Tempe, Arizona, Jan. 12, 19 67

SAMPLE NO.	PER TON OF 2000 POUNDS AVOIRDUPOIS								COPPER, OR			LEAD, OR			TOTAL	
	GOLD				SILVER											
	AT 35.00 PER OUNCE				AT 1.30 PER OUNCE				AT 0.38 PER LB.			AT 0.15 PER LB.				
	OZS.	100's	$	CTS.	OZS.	100's	$	CTS.	%	$	CTS.	%	$	CTS.	$	CTS.
1	0.	12	4	20	14.	40	18	74	1.4	10	46	9.2	25	60		
									Zinc----			3.2	24	60		
															93	20
									Molybdenum			0.21				

REMARKS:

NO.

CHARGE $ 16.00 Pd.

BY L. Lee Rogers
Registered Assayer.

Arizona Testing Laboratories

817 West Madison • Phoenix, Arizona 85007 • Telephone 254-6181

For: Pacific Regional Operations Inc.
Post Office Box 716
Scottsdale, Arizona 85252

Date: July 24, 1981

Lab. No.: 2648

Samples of Ore received 7/22/81
Submitted by Bill Vanderwall

GEOCHEMICAL ANALYSIS

Sample Marked oz/ton	Gold ppm	Silver ppm oz/ton	Copper ppm	Lead ppm	Zinc ppm
1-5-10	Trace	Trace	30	30	280
1-30-35	Trace	Nil	10	25	40
1-70-75 .21	7.	45. 1.4	0.24 %	1100	2.1 %
1-105-110	0.03	3	120	100	520
2-20-25	Trace	3	350	70	340
2-45-50	Trace	2	45	40	300
2-60-65 .28	9.	53 1.7	0.29 %	1100	2.9 %
2-105-110 .375	12.	58 1.8	0.31 %	1300	2.6 %
2-111-115	0.5	4	230	100	1100
3-30-35	0.1	1	45	35	230
3-55-60	Trace	1	40	120	210
3-115-120 1.4	45.	430. 13.4	0.95 %	0.50 %	7.8 %
3-120-125 1.7	54.	430. 13.4	0.88 %	0.45 %	7.4 %
3-150-155	4.	38	660	450	0.26 %
NL-DO	1.2	220 6.9	1.5 %	0.73 %	6.8 %
WE-SS	0.17	21	680	400	0.22 %

Respectually submitted

ARIZONA TESTING LABORATORIES

Claude E. McLean, Jr.

Arizona Testing Laboratories

817 West Madison · Phoenix, Arizona 85007 · Telephone 254-6181

For Pacific Regional Operations Inc. Date August 18, 1981
Post Office Box 716
Scottsdale, Arizona 85252

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER	Zinc	Lead	
	CHICO PROPERTY						
2944	BVT **JAMISON**	0.64	0.75	0.06	.055	0.03	**PYRITE**
	M-OX1 **MINT**	0.20	0.40				**OXIDE ZONE**
	M-OX2 **MINT**	0.09	4.7	0.007	0.22	0.10	

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E. McLean, Jr.

Registered Assayer
CERTIFICATE NO
6258
CLAUDE EUGENE
McLEAN, JR.
Date Signed 8/18/81
ARIZONA, U.S.A.

IRON KING ASS. OFFICE

ASSAY CERTIFICATE

BOX 14 — PHONE 632-7410

HUMBOLDT, ARIZONA 86329

REGISTERED ASSAYER CERTIFICATE NO. 2978 WALTER R. STATLER Date Signed ? ARIZONA, U.S.A.

ASSAY MADE FOR
KEVIN M. KENNEY
1301 E. Lemon St.
Tempe, Ariz. 85281

Chico-Goetz Mines

Feb. 20, 1976

Ref no	DESCRIPTION	oz/ton Au	oz/ton Ag		% Fe	% Pb	% Zn	% Cu
2-10-17	Mill Feed	.080	8.82			8.36	4.94	0.75
2-10-18	Cons Chic 1	.176	1.34					
2-10-19	Cons Chic 2	.180	2.32					
2-10-20	Bronco Dike Tunnel	2.912	3.89					

CHARGES $32.50

ASSAYER

B-11

16

Shop No. 566

File No. 2590 GO

Date 9 SEPT 1968

VALUES
Latest Quotation

1 oz. Gold.....
1 oz. Silver.....
1 lb. Copper.....
1 lb. Lead.....
1 lb. Zinc.....

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

CHAS. E. GOETZ MINING & EXPLORATION CO
P.O.BOX 14700
PHOENIX ARIZONA 85031

Short Ton ..... 2000 Lbs.
Short Ton Unit ..... 20 Lbs.
Long Ton ..... 2240 Lbs.
Long Ton Unit ..... 22.4 Lbs.

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
SCOTTY VEIN	15	70	$31.40		10	$3.50		1.31	

Charges $ 6.50 PD 9/17/68 ok # 6005

Assayer.....

JACK STONE REG. No. 5479

ANDY CHUKA, PRINT

Shop: 7305 Date: 28 JULY 1967

File No. 2350 G O

VALUES
Latest Quotation

1 oz. Gold
1 oz. Silver $1.50
1 lb. Copper
1 lb. Lead
1 lb. Zinc

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

141.00
35.00
95.00
271.00 total

Short Ton ..... 2000 Lbs.
Short Ton Unit ..... 20 Lbs.
Long Ton ..... 2240 Lbs.
Long Ton Unit ..... 22.4 Lbs.

CHAS.E.GOETZ MINING & EXPLORATION CO
PHOENIX ARIZONA

Alex Proboroff 1/2/10

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
	84.0		$141.00	1.00		$35.00		12.50% @ 28¢ = 35.00	

Chief Jack Owen 1898 claim

REGISTERED ASSAYER
CERTIFICATE EXPIRES
JACK E. STONE
DEC. 31, 19

Charges $ 5.50

Assayer: JACK STONE Reg. No. 5479

ANDY CHUKA, PRINT

Chico

Chico Mines

VALLEY ASSAY OFFICE
AND ORE TESTING LABORATORY
MEMORANDUM OF ASSAY

Made for Charles E. Goetz Tempe, Arizona, March 29, 19 67

SAMPLE NO.	PER TON OF 2000 POUNDS AVOIRDUPOIS								COPPER, OR			LEAD, OR			TOTAL	
	GOLD				SILVER											
	AT 35.00 PER OUNCE				AT 1.20 PER OUNCE				AT 0.38 PER LB.			AT 0.14 PER LB.				
	OZS.	100's	$	CTS.	OZS.	100's	$	CTS.	%	$	CTS.	%	$	CTS.	$	CTS.
Chico I Drft.	0.	04	1	40	3.	20	4	16	.75	5	70				11	86
" Upper "	0.	02		70	1.	10	1	43	.15	1	14	.20		56		
									Zinc at			2.8	9	60	13	43
" Upper "									Molybdenum-			.07				
															24	69

REMARKS:

REGISTERED ASSAYER CERTIFICATE LA... L. LEE ROGER DEC. ...L 1962 ARIZONA U.S.A.

NO.

CHARGE $ 22.00
6.00
28.00

Od 4/12/67

BY L. Lee Roger
Registered Assayer.

Send to Holt

Chief Jamison drift

VALLEY ASSAY OFFICE
AND ORE TESTING LABORATORY
MEMORANDUM OF ASSAY

Made for Alex Prohoroff Tempe, Arizona, Dec. 6, 1966

SAMPLE NO.	PER TON OF 2000 POUNDS AVOIRDUPOIS								COPPER, OR			LEAD, OR			TOTAL	
	GOLD				SILVER											
	AT 35.00 PER OUNCE				AT 1.30 PER OUNCE				AT 0.38 PER LB.			AT 0.15 PER LB.				
	OZS.	100's	$	CTS.	OZS.	100's	$	CTS.	%	$	CTS.	%	$	CTS.	$	CTS.
1	0.	03	1	05	4.	60	5	98	1.1	8	36	1.3	3	90	19	29
										Zinc----		18.2	54	60	54	60
													Total--		73	89
									Molybdenum-			0.11				
REMARKS:																

Note 0.11

CERTIFIED ASSAYER CERTIFICATE EXPIRES DEC. 31, 1966 L. LEE BOYER ARIZONA, U.S.A.

NO.

CHARGE $ 16.00 Pd.

BY L. Lee Boyer
Registered Assayer.

Chico Jameson

VALLEY ASSAY OFFICE
AND ORE TESTING LABORATORY
MEMORANDUM OF ASSAY

Made for Charles E. Gietz Tempe, Arizona, Feb 13, 19 67

SAMPLE NO.	PER TON OF 2000 POUNDS AVOIRDUPOIS								COPPER, OR			LEAD, OR			TOTAL	
	GOLD				SILVER											
	AT 35.00 PER OUNCE				AT 1.30 PER OUNCE				AT 0.38 PER LB.			AT 0.15 PER LB.				
	OZS.	100's	$	CTS.	OZS.	100's	$	CTS.	%	$	CTS.	%	$	CTS.	$	CTS.
1	0.	08	2	80	36.	10	46	93	22.7	172	52	.25		75		
									Zinc			.15		45	243	45

Chico Mine

VALLEY ASSAY OFFICE
AND ORE TESTING LABORATORY
MEMORANDUM OF ASSAY

Made for Coetz Mining Co. Tempe, Arizona, Feb. 17, 19 67

SAMPLE NO.	PER TON OF 2000 POUNDS AVOIRDUPOIS								COPPER, OR			LEAD, OR			TOTAL	
	GOLD				SILVER											
	AT 35.00 PER OUNCE				AT 1.30 PER OUNCE				AT 0.38 PER LB.			AT PER LB.				
	OZS.	100's	$	CTS.	OZS.	100's	$	CTS.	%	$	CTS.	%	$	CTS.	$	CTS.
1	2.	84	99	40	8.	40	10	92	.65	4	94				115	26
2 Average	1.	02	35	70	3.	60	4	68	.85	6	46				46	84
3 Dark	0.	14	4	90	1.	40	1	82	.20	1	52				8	24
															170	34
															3	4.07
															5	

REMARKS:

1435 SOUTH 10TH AVENUE
TUCSON, ARIZONA 85713

Jacobs Assay Office

Registered Assayers

Since 1880

PHONE 622-0813

Tucson, Arizona, 20 Aug., 1980

Sample Submitted by Mr. Arizona Testing Lab.

Sample Marked	GOLD Ozs. per ton ore		~~GOLD Value per ton ore*~~		SILVER Ozs. per ton ore		~~COPPER Per cent Wet Assay~~		~~LEAD Per cent Wet Assay~~		~~Per Cent Wet Assay~~		~~Per Cent Wet Assay~~		~~Per Cent Wet Assay~~	
6901 -																
LB-1C	2.078		~		4.60		(Little Boy Center of vein / Sec 7-18-80 Descrip)									
J 105	12.036		~		47.10		(Jamison One Stockpile 400' level Sec 7-18-80)									

* Gold Figured ~~$300.00~~ per oz. Troy

Charges $ 12.00

Very respectfully,

Mark D. Jacobs

Chas Jameson

VALLEY ASSAY OFFICE
AND ORE TESTING LABORATORY
MEMORANDUM OF ASSAY

Made for Charles E. Gietz Tempe, Arizona, Feb 13, 19 67

SAMPLE NO.	PER TON OF 2000 POUNDS AVOIRDUPOIS								COPPER, OR			LEAD, OR			TOTAL	
	GOLD				SILVER											
	AT 35.00 PER OUNCE				AT 1.30 PER OUNCE				AT 0.38 PER LB.			AT 0.15 PER LB.				
	OZS.	100's	$	CTS.	OZS.	100's	$	CTS.	%	$	CTS.	%	$	CTS.	$	CTS.
1	0.	08	2	80	36.	10	46	93	22.7	172	52	.25		75		
									Zinc	------		.15		45	243	45

REMARKS:

NO.

CHARGE $ 15.00

BY L. Lee Boyer
Registered Assayer.

Pd

Chiefs Mines

VALLEY ASSAY OFFICE
AND ORE TESTING LABORATORY
MEMORANDUM OF ASSAY

Made for Charles E. Gietz Tempe, Arizona, Feb 13, 19 67

SAMPLE NO.	PER TON OF 2000 POUNDS AVOIRDUPOIS								COPPER, OR			LEAD, OR			TOTAL	
	GOLD				SILVER											
	AT 35.00 PER OUNCE				AT 1.50 PER OUNCE				AT 0.38 PER LB.			AT 0.15 PER LB.				
	OZS.	100's	$	CTS.	OZS.	100's	$	CTS.	%	$	CTS.	%	$	CTS.	$	CTS.
Jones 1	0.	08	2	80	36.	10	46	93	22.7	172	52	.25		75		
									Zinc	------		.15		45	243	45

Shop No. 123
File No. 2560 GO
2559

Date 29 FEB 1968

VALUES
Latest Quotation

1 oz. Gold.....
1 oz. Silver.....
1 lb. Copper.....
1 lb. Lead.....
1 lb. Zinc.....

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

CHAS.E.GOETZ MINING & EXPLORATION CO
PHOENIX ARIZONA

Short Ton ..... 2000 Lbs.
Short Ton Unit ..... 20 Lbs.
Long Ton ..... 2240 Lbs.
Long Ton Unit ..... 22.4 Lbs.

MARKS	SILVER PER TON Ozs.	Tenths	VALUE PER TON		GOLD PER TON Ozs.	100ths	VALUE PER TON		TOTAL VALUE PER TON of Gold & Silver		PERCENTAGE LEAD				REMARKS
Bonnie Jack	23.	20	$ 34.	80		.01	$	.35			21.20				

REGISTERED ASSAYER CERTIFICATE

A 2/68

Chico Jameson

VALLEY ASSAY OFFICE
AND ORE TESTING LABORATORY
MEMORANDUM OF ASSAY

Made for Charles E. Gietz Tempe, Arizona, Feb 13, 19 67

SAMPLE NO.	PER TON OF 2000 POUNDS AVOIRDUPOIS								COPPER, OR			LEAD, OR			TOTAL	
	GOLD				SILVER											
	AT 35.00 PER OUNCE				AT 1.30 PER OUNCE				AT 0.38 PER LB.			AT 0.15 PER LB.				
	OZS.	100's	$	CTS.	OZS.	100's	$	CTS.	%	$	CTS.	%	$	CTS.	$	CTS.
1	0.	08	2	80	36.	10	46	93	22.7	172	52	.25		75		
									Zinc	----	----	.15		45	243	45

Chico Mine

VALLEY ASSAY OFFICE
AND ORE TESTING LABORATORY
MEMORANDUM OF ASSAY

Made for Coetz Mining Co. Tempe, Arizona, Feb. 17, 19 67

SAMPLE NO.	PER TON OF 2000 POUNDS AVOIRDUPOIS								COPPER, OR			LEAD, OR			TOTAL	
	GOLD				SILVER											
	AT 35.00 PER OUNCE				AT 1.30 PER OUNCE				AT 0.38 PER LB.			AT PER LB.				
	OZS.	100's	$	CTS.	OZS.	100's	$	CTS.	%	$	CTS.	%	$	CTS.	$	CTS.
1	2.	84	99	40	8.	40	10	92	.65	4	94				115	26
2 Average	1.	02	35	70	3.	60	4	68	.85	6	46				46	84
3 Dark	0.	14	4	90	1.	40	1	82	.20	1	52				8	24
															170.34	
															3	4.07
															5	

REMARKS:

Shop No. 566

File No. 2590 GO

Date 9 SEPT 1968

VALUES
Latest Quotation

1 oz. Gold.....
1 oz. Silver.....
1 lb. Copper.....
1 lb. Lead.....
1 lb. Zinc.....

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

CHAS. E. GOETZ MINING & EXPLORATION CO
P.O. BOX 14700
PHOENIX ARIZONA 85031

Short Ton ..... 2000 Lbs.
Short Ton Unit ..... 20 Lbs.
Long Ton ..... 2240 Lbs.
Long Ton Unit ..... 22.4 Lbs.

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON		GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON		TOTAL VALUE PER TON of Gold & Silver		PERCENTAGE COPPER				REMARKS
SCOTTY VEIN	15	70	$31	40		10	$3	50			1.31				

Scotty

Charges $ 6.50 PD 9/17/68 ck # 6005

Assayer.....

JACK STONE REG. NO. 5479

ANDY CHUKA. PRINT

Chico

(42)

VALLEY ASSAY OFFICE
AND ORE TESTING LABORATORY
MEMORANDUM OF ASSAY

Made for Charles E. Goetz Tempe, Arizona, Jan. 17, 1968

SAMPLE NO.	PER TON OF 2000 POUNDS AVOIRDUPOIS								COPPER, OR			LEAD, OR			ZINC			TOT
	GOLD				SILVER													
	AT 35.00 PER OUNCE				AT 2.00 PER OUNCE				AT 0.38 PER LB.			AT 0.15 PER LB.			AT 0.15 PER LB.			
	OZS.	100's	$	CTS.	OZS.	100's	$	CTS.	%	$	CTS.	%	$	CTS.	%	$	CTS.	$
1	0.	02		70	0.	40		80	0.15	1	14	.10		30	Nil			2
												Molybdenum--.06						

White Rock
Jamison
down
Chico Mine

(43)

VALLEY ASSAY OFFICE
AND ORE TESTING LABORATORY
MEMORANDUM OF ASSAY

Made for Alex Prohoroff Tempe, Arizona, Dec. 21, 1966

SAMPLE NO.	PER TON OF 2000 POUNDS AVOIRDUPOIS								COPPER, OR			~~LEAD~~ OR Molybdenum			TOTAL	
	GOLD				SILVER											
	AT PER OUNCE				AT PER OUNCE				AT PER LB.			AT PER LB.				
	OZS.	100's	$	CTS.	OZS.	100's	$	CTS.	%	$	CTS.	%	$	CTS.	$	CTS.
White 30 ft																
1												0.04				
2												0.07				
12 ft vein																

Send to Goetz

Chico
Jamison
drift

(44)

VALLEY ASSAY OFFICE
AND ORE TESTING LABORATORY
MEMORANDUM OF ASSAY

Made for Alex Prohoroff Tempe, Arizona, Dec. 6, 1966

SAMPLE NO.	PER TON OF 2000 POUNDS AVOIRDUPOIS								COPPER, OR			LEAD, OR			TOTAL	
	GOLD (2560)				SILVER											
	AT 35.00 PER OUNCE				AT 1.30 PER OUNCE				AT 0.38 PER LB.			AT 0.15 PER LB.				
	OZS.	100's	$	CTS.	OZS.	100's	$	CTS.	%	$	CTS.	%	$	CTS.	$	CTS.
1	0.	03	1	05	4.	60	5	98	1.1	8	36	1.3	3	90	19	29
										Zinc----		18.2	54	60	54	60
													Total--		73	89
									Molybdenum- 0.11							
																Note
																0.11

RED ASS CATE

Shop No. 555 Date 9 SEPT 1968
File No. 2690 GO

VALUES
Latest Quotation
1 oz. Gold
1 oz. Silver
1 lb. Copper
1 lb. Lead
1 lb. Zinc

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

CHAS. E. GOETZ MINING & EXPLORATION CO
P.O. BOX 14700
PHOENIX ARIZONA 85031

Phoenix, P. O.

Short Ton
Short Ton
Long Ton
Long Ton

MARKS	SILVER PER TON Ozs.	Tenths	VALUE PER TON		GOLD PER TON Ozs.	100ths	VALUE PER TON		TOTAL VALUE PER TON of Gold & Silver		PERCENTAGE COPPER			
SCOTTY VEIN	15.	70	$31.	40	.10		$3.	50			1.31			

Shop No. 473 Date 16 JULY 1968
File No. 2564 GO

VALUES
Latest Quotation
1 oz. Gold
1 oz. Silver $ 2.25
1 lb. Copper .38
1 lb. Lead
1 lb. Zinc

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

CHAS. E. GOETZ MINING & EXPLORATION CO
PHOENIX ARIZONA 85031

Samples: Jamieson 300 foot level.

25.65 .35 Silver 19.00 Copper 12.00 Lead $57.00

Phoenix, P. O.

Short Ton
Short Ton
Long Ton
Long Ton

MARKS	SILVER PER TON Ozs.	Tenths	VALUE PER TON		GOLD PER TON Ozs.	100ths	VALUE PER TON		TOTAL VALUE PER TON of Gold & Silver		PERCENTAGE Copper	LEAD		
	11.	40	$25.	65		.01	$.	35			2.50	5.00		

These assays were on

Shop No. 506 Date 5 AUG 1968
File No. 2557 G O

VALUES
Latest Quotation
1 oz. Gold 35.00
1 oz. Silver 2.00
1 lb. Copper .39
1 lb. Lead
1 lb. Zinc

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

CHAS. E. GOETZ MINING & EXPLORATION CO
PHOENIX Az. 85031

8/9/68

Phoenix, P. O.

Short Ton
Short Ton
Long Ton
Long Ton

MARKS	SILVER PER TON Ozs.	Tenths	VALUE PER TON		GOLD PER TON Ozs.	100ths	VALUE PER TON		TOTAL VALUE PER TON of Gold & Silver		PERCENTAGE COPPER			
# 1 GREEN ROCK	53.	80			2.	60	$91.	00			8.33	4.52 =	2.84	2.84
CLAIM 98 # 2 OUT ON VEIN	45.	14			.80		$21.	00			4.50	35% =	1.16	1.16
JAMISON #3 300 LEVEL	1.	80			.01		$.	35			0.045	4.4%		4.03

Shop 473
File No. 2564 GO

Date 16 JULY 1968

VALUES
Latest Quotation

1 oz. Gold
1 oz. Silver $ 2.25
1 lb. Copper .38
1 lb. Lead
1 lb. Zinc

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

CHAS.E.GOETZ MINING & EXPLORATION CO
PHOENIX ARIZONA 85031

Short Ton ..... 2000 Lbs.
Short Ton Unit ..... 20 Lbs.
Long Ton ..... 2240 Lbs.
Long Ton Unit ..... 22.4 Lbs.

25.60
.35
19.00 copper
12.00 lead
57.00

4.50

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON		GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON		TOTAL VALUE PER TON of Gold & Silver		PERCENTAGE Copper	PERCENTAGE LEAD			REMARKS
Jamestown 300 ft	11	.40	$25	.65		.01	$	.35			2.50	5.00			

Charges $ 10.00

Assayer

JACK STONE REG. NO. 5479

DEC 31, 19
ARIZONA, U.S.A.

ANDY CHUKA, PRINT

These assays were for 50 Silver 2.00 Copper .39

Sh. No. 506
File No. 2567 G O

Date 5 AUG 1968

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

VALUES
Latest Quotation
1 oz. Gold 35.00
1 oz. Silver 2.00
1 lb. Copper 39¢
1 lb. Lead
1 lb. Zinc

THIS CERTIFIES
Samples submitted for assay contain as follows:

CHAS. E. GOETZ MINING & EXPLORATION CO
PHOENIX Az. 85031

Short Ton ..... 2000 Lbs.
Short Ton Unit ..... 20 Lbs.
Long Ton ..... 2240 Lbs.
Long Ton Unit ..... 22.4 Lbs.

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER				REMARKS
# 1 GREEN ROCK 2oz	53	.80		55	2.60	$91.00		39¢ 8.33	$6.50	= 2[illegible]	264.57	
CLAIM 98 # 2 CUT ON VEIN 2oz	45	.14		35.00	.60	$21.00		39¢ 4.50	35.10	= 146.24		
JAMISON #3 300 LEVEL	1	.80			.01	$.35		39¢ 0.045	4.44		4.03	

Charges $ 19.50

Assayer

JACK STONE Reg. No. 5430

ANDY CHUKA, PRINT

Shop 473
File No. 2564 GO

Date 16 JULY 1968

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

CHAS.E.GOETZ MINING & EXPLORATION CO
PHOENIX ARIZONA 85031

VALUES
Latest Quotation

1 oz. Gold
1 oz. Silver $ 2.25
1 lb. Copper .38
1 lb. Lead
1 lb. Zinc

THIS CERTIFIES
Samples submitted for assay contain as follows:

Short Ton ..... 2000 Lbs.
Short Ton Unit ..... 20 Lbs.
Long Ton ..... 2240 Lbs.
Long Ton Unit ..... 22.4 Lbs.

MARKS	SILVER PER TON Ozs.	Tenths	VALUE PER TON		GOLD PER TON Ozs.	100ths	VALUE PER TON		TOTAL VALUE PER TON of Gold & Silver		PERCENTAGE Copper	LEAD			REMARKS
James 300 ft	11	.40	$25	.65		.01	$	.35			2.50	5.00			

Charges $ 10.00

Assayer

JACK STONE Reg. No. 3449

ANDY CHUKA, PRINT

Shop 473
File No. 2564 GO

Date 16 JULY 1968

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

CHAS.E.GOETZ MINING & EXPLORATION CO
PHOENIX ARIZONA 85031

VALUES
Latest Quotation

1 oz. Gold
1 oz. Silver $ 2.25
1 lb. Copper .38
1 lb. Lead
1 lb. Zinc

THIS CERTIFIES
Samples submitted for assay contain as follows:

Short Ton ..... 2000 Lbs.
Short Ton Unit ..... 20 Lbs.
Long Ton ..... 2240 Lbs.
Long Ton Unit ..... 22.4 Lbs.

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON		GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON		TOTAL VALUE PER TON of Gold & Silver		PERCENTAGE Copper	PERCENTAGE LEAD			REMARKS
	11	.40	$25	.65		.01	$	.35			2.50	5.00			

Jamison 300 ft

Charges $ 10.00

Assayer
JACK STONE REG. No. 5479

DEC 31, 19
ARIZONA, U.S.A.

ANDY CHUKA, PRINT

File No. 2559 GO "A"

VALUES
Latest Quotation
1 oz. Gold
1 oz. Silver
1 lb. Copper
1 lb. Lead
1 lb. Zinc

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

(39)

815 NORTH FIRST STREET
Phone: 253-4001

CHAS.E.GOETZ MINING & EXPLORATION CO
BOX 14700
PHOENIX
Az.85031

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	PERCENTAGE LEAD	PERCENTAGE ZINC
(359) True Blue		.30	$.75		.14	$4.90		0.065	0.20	0.60

Shop No. 123
File No. 2559 GO
Date 29 FEB 1968

(40)

VALUES
Latest Quotation
1 oz. Gold
1 oz. Silver
1 lb. Copper
1 lb. Lead
1 lb. Zinc

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

CHAS.E.GOETZ MINING & EXPLORATION CO
PHOENIX ARIZONA

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE LEAD
	23.20		$34.80		.01	$.35		21.20

Shop No. 8058
File No. 2351 GO
Date 3 JAN 1968

(41)

VALUES
Latest Quotation
1 oz. Gold
1 oz. Silver $1.80
1 lb. Copper
1 lb. Lead
1 lb. Zinc

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

MR.CHAS.E.GOETZ MINING & EXPLORATION CO
PHOENIX ARIZONA 85031

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	PERCENTAGE Lead
	1.8		$2.70		.03	$1.05		0.10	3.40

Shop No. 3058 Date 3 JAN 1968

File No. 2351 GO

VALUES
Latest Quotation

1 oz. Gold
1 oz. Silver $1.50
1 lb. Copper
1 lb. Lead
1 lb. Zinc

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

MR.CHAS.E.GOETZ MINING & EXPLORATION CO
PHOENIX ARIZONA 85031

Short Ton ..... 2000 Lbs.
Short Ton Unit ..... 20 Lbs.
Long Ton ..... 2240 Lbs.
Long Ton Unit ..... 22.4 Lbs.

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	PERCENTAGE Lead			REMARKS
	1	8	$2.70		.03	$1.05		0.10	3.40			

Charges $ 10.00

Assayer JACK STONE REG. No. 5479

ANDY CHUKA, PRINT

Shop No. 123
File No. 2560 GO
2559

Date 29 FEB 1968

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

VALUES
Latest Quotation

1 oz. Gold.....
1 oz. Silver.....
1 lb. Copper.....
1 lb. Lead.....
1 lb. Zinc.....

THIS CERTIFIES
Samples submitted for assay contain as follows:

CHAS.E.GOETZ MINING & EXPLORATION CO
PHOENIX ARIZONA

Short Ton ..... 2000 Lbs.
Short Ton Unit ..... 20 Lbs.
Long Ton ..... 2240 Lbs.
Long Ton Unit ..... 22.4 Lbs.

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE LEAD	REMARKS
Bonnie Jack	23.	20	$ 34.	80	.01	$ .35		21.20	

REGISTERED ASSAYER
CERTIFICATE EXPIRES
DEC. 31, 19
ARIZONA, U.S.A.

3/2/68

Charges $ 9.00

Assayer.....
JACK STONE REG. No. 5479

ANDY CHUKA, PRINT

Shop No. ..... Date .....
File No. 2562 GO "A"

VALUES
Latest Quotation
1 oz. Gold .....
1 oz. Silver .....
1 lb. Copper .....
1 lb. Lead .....
1 lb. Zinc .....

THIS CERTIFIES
Samples submitted for assay contain as follows:

True Blue

Arizona Assay Office

(39)

815 NORTH FIRST STREET
Phone: 253-4001

CHAS.E.GOETZ MINING & EXPLORATION CO
BOX 14700
PHOENIX
Az.85031

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	PERCENTAGE LEAD	PERCENTAGE ZINC
(359) True Blue		.30	$.75		.14	$4.90		0.065	0.80	0.60

Shop No. 123
File No. 2559 GO
Date 29 FEB 1968

VALUES
Latest Quotation
1 oz. Gold .....
1 oz. Silver .....
1 lb. Copper .....
1 lb. Lead .....
1 lb. Zinc .....

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

(40)

815 NORTH FIRST STREET
Phone: 253-4001

CHAS.E.GOETZ MINING & EXPLORATION CO
PHOENIX ARIZONA

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE LEAD
Bonnie Gold	23	.20	$34.80		.01	$.35		21.20

Shop No. 3058
File No. 2351 GO
Date 3 JAN 1968

VALUES
Latest Quotation
1 oz. Gold .....
1 oz. Silver $1.50
1 lb. Copper .....
1 lb. Lead .....
1 lb. Zinc .....

THIS CERTIFIES
Samples submitted for assay contain as follows:

Mint

Arizona Assay Office

(41)

815 NORTH FIRST STREET
Phone: 253-4001

MR.CHAS.E.GOETZ MINING & EXPLORATION CO
PHOENIX ARIZONA 85031

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	PERCENTAGE Lead
	1	.8	$2.70		.03	$1.05		0.10	3.40

Shop No. 0032J
File No. 72 JA

Date 8 DEC 1967

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

VALUES
Latest Quotation

1 oz. Gold
1 oz. Silver $1.50
1 lb. Copper
1 lb. Lead
1 lb. Zinc

THIS CERTIFIES
Samples submitted for assay contain as follows:

CHAS.E.GOETZ MINING & EXPLORATION CO

JAMISON

Short Ton ..... 2000 Lbs.
Short Ton Unit ..... 20 Lbs.
Long Ton ..... 2240 Lbs.
Long Ton Unit ..... 22.4 Lbs.

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
JAMISON	23.6		$35.40		.04	$1.40		12.30	

Jamison
Silver 35.40
Gold 1.40
Copper 12.30
19.10

REGISTERED ASSAYER
CERTIFICATE
1966
DEC. 31, 19

Charges $ 6.50 F/TD

Assayer

JACK STONE REG. No. 5479

ANDY CHUKA, PRINT

Shop No. 0032J
File No. 12 JA

Date 8 DEC 1967

VALUES
Latest Quotation

1 oz. Gold
1 oz. Silver $1.50
1 lb. Copper
1 lb. Lead
1 lb. Zinc

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

CHAS.E.GOETZ MINING & EXPLORATION CO

JAMISON

Short Ton ..... 2000 Lbs.
Short Ton Unit ..... 20 Lbs.
Long Ton ..... 2240 Lbs.
Long Ton Unit ..... 22.4 Lbs.

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON		GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON		TOTAL VALUE PER TON of Gold & Silver		PERCENTAGE COPPER				REMARKS
JAMISON	23	6	$35	40		04	$1	40			18.30				

Jamison
Silver 35.40
Gold 1.40
Copper 12.30
49.10

REGISTERED ASSAYER
CERTIFICATE
DEC. 31, 19

Charges $ 6.50 P/M

Assayer

ANDY CHUKA, PRINT

Shop No. 0032J
File No. 12 JA

Date 8 DEC 1967

VALUES
Latest Quotation

1 oz. Gold
1 oz. Silver $1.50
1 lb. Copper
1 lb. Lead
1 lb. Zinc

THIS CERTIFIES
Samples submitted for assay contain as follows:

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

CHAS.E.GOETZ MINING & EXPLORATION CO

JAMISON

Short Ton ..... 2000 Lbs.
Short Ton Unit ..... 20 Lbs.
Long Ton ..... 2240 Lbs.
Long Ton Unit ..... 22.4 Lbs.

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
~~JAMISON~~	~~83.6~~		~~$35.40~~		~~.01~~	~~$1.40~~		~~18.30~~	
Jamison		35.40							
Silver			1.40						
Gold			12.20						
Copper			19.10						

REGISTERED ASSAYER GENERAL 1966 DEC 31, 19

Charges $ 6.50 P/T

Assayer

JACK STONE REG. No. 5479

ANDY CHUKA, PRINT