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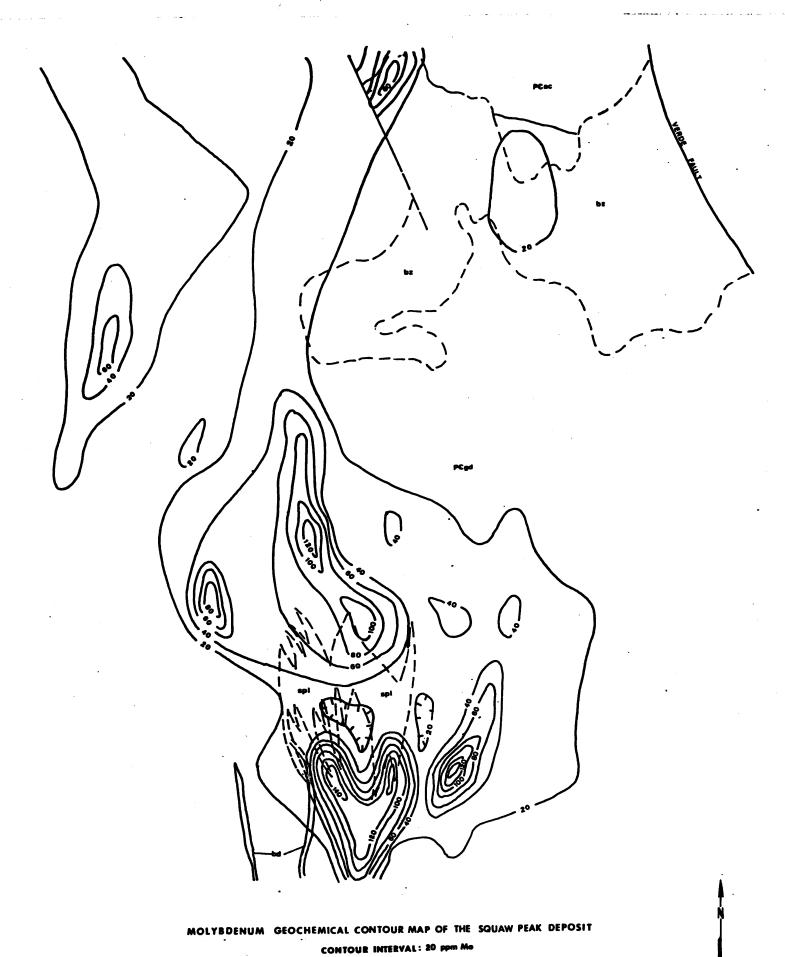
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MOLYBDENUM GEOCHEMICAL CONTOUR MAP OF THE SQUAW PEAK DEPOSIT CONTOUR INTERVAL: 80 ppm Me

o , 500 1000 ft.



500

1000 ft.



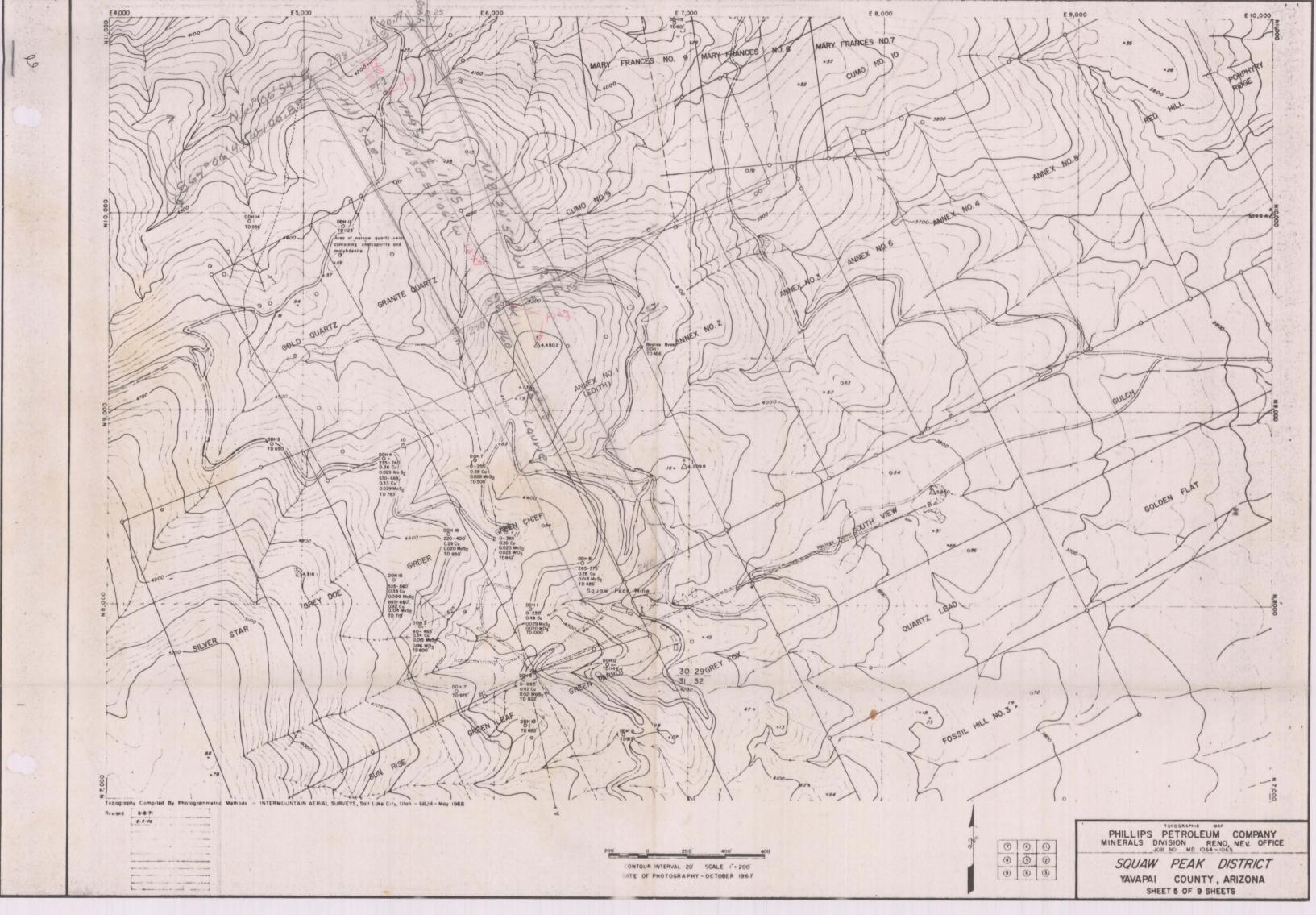
COPPER GEOCHEMICAL CONTOUR MAP OF THE SQUAW PEAK PORPHYRY DEPOSIT

CONTOUR INTERVAL: 0.1% Cu



COPPER GEOCHEMICAL CONTOUR MAP OF THE SQUAW PEAK PORPHYRY DEPOSIT

CONTOUR INTERVAL: 0.1% Cu



NAC. Hill Side Pt1 PH1 Aut Side 17700'67" 4" A 25 82°4141 23° 60 Hill Side Claim 4.02 40" 19.30 Ce. 110 132 46: 528 437.7 7 7 10 10 87 132,46 101.26 131.68 エワ - M. F. 1212. Mell state (298.01) . 111 PNO CHE, COIDER ON WITH SUC. 515,55 Witness Corner Tree position + 85 SEC. N. 61.06.001 7 2981 200 No. 9- Suc. S61006'54" 298' Common with suc law Side 6. Como No.7- 561.00 24 W 55 NA 1. ANNEX NO.1 (SE LAUNE) 56/06/55 W LOURIE SOLOGO DE W END NOC LOURIE. is Laurie Noisoldy'& 240 NECLEAUNCE 240'= 540. LAVING - SELGONE NO1006 54'E SEC. of Granite Quartz 240' SEG. LOURIC. Location Monument 15 10' South of CONTRACTOR B. Brown B. Reid

16'

DDH #7
INTERVALS AVERAGED

Interval	% Cu	% MoS <sub>2</sub>	% Mo	Oz. Ag		Oz. Au
8 - 80	0.31	0.017	.010	Tr	31	Tr .
80 - 255	0.27	0.033	.020	Tr	13.5	Tr
255 - 350	0.17	0.011	,006	Tr	28	Tr
350 - 500	0.13	0.011	,006	Tr	22	Tr

# INTERVALS AVERACED DDH #8

Interval	2 Cu	% Mo	% MoS2	Cu/Mo	Au	Ag
0 - 285	0.16	.005	0.008	32	Tr.	Tr.
285 - 375	0.28	: 110,	0.018	25	Tr.	Tr.
380 - 486	0.12	.004	0.007	30	Tr.	Tr.

DDH # 9

# INTERVALS AVIRAGED

Interval	% Cu	% MoS <sub>2</sub>	% Mo	Oz. Au	Oz. Ag	% WO3
0 - 105	0.21	0.0069	,0041	Nil	Tr	
105 - 340 235	0.42	0.0293	.0176	Nil.	Tr	•
340 - 425 65	0.28	0.0195	.0117	Nil	Tr	
425 - 535 11	0.70) 46 014 MG	0.0276	.0166	NII	Tr	•
535 - 665 130	0.44	0.0115	.0069	Nil	Tr	
665 - 822	0.23	0.0053	.003 Z	Nil	Tr	

·	Cu/Mo
0-105	51
105-340	24
340-425	24
425-535	42
535-665	64
665-822	72

# **ESSEX**

## ESSEX INTERNATIONAL, INC.

METALLURGICAL & MINING DIVISION

1704 WEST GRANT RD., TUCSON, ARIZONA 85705 • PHONE (602) 624-7421

# DDH#10

Int.	% Cu	% MoSz	% Mo	Cu/Mo
6-175	.08	.0124	.0074	١1
175-280	.04	.0008	.0005	80
280-365	.05	,0048	.0029	17
365-440	,04	tr		
440-495	.08	,0020	,0012	67
495-650	, 04	,0014	,0008	50

# INTERVALS AVERAGED DDH - 13

	•										•			
	1000 - 11231	980 - 10001	1	ŧ	595 - 710 1	525 - 5951	1	1		1	35 - 2451	0 - 351	Interval	•
						•								
	0.06	0.16	0.07	0.10	0.04	0.22	0.06	0.15	0.07	0.13	0.05	0.24	% Ou	DDH - 13
•	O W	,064	<u>o</u>	0 W	.010	.006	,001	010,	.009	.012	00	. 003	% Mo	<b>,</b>
	0.023	0.107	0.017	0.022	0.016	0.011	0.001	0.016	0.009	0.02	0.002	0.005	% MoS2	
	Ŋ	5.5	7	00	Ŧ	37	6	4	7		50	8		

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METALLURGICAL & MINING DIVISION

1704 WEST GRANT RD., TUCSON, ARIZONA 85705 • PHONE (602) 624-7421

# DDH 13

	%Cu	% Mo	Cu: Mo
0-50	0.18	.0006	300
50-100	0.04	.0,013	31
100-150	0.06	.0.020	30
150-200	0,04	,0,006	67
200 -250	0.04	, 0.028	15
250-300	0.09	. 0.133	7
300-350	0.07	.0043	16
350-400	0.14	. 0.168	8
400 - 450	0.03	.0014	21
450 -500	0.05	. 0.176	3
500- <b>660</b>	0.18	.0052	35
600-700	0.04	.009	4
700-800	0.07	,006	12
800-900	0.06	, 006	10
900-1000	0.09	, O 2	4.5
1000-1123	0.05	.02	2,5





COPPER GEOCHEMICAL CONTOUR MAP OF THE SQUAW PEAK PORPHYRY DEPOSIT

CONTOUR INTERVAL: 0.1% Cu

500 1000 ft.



COPPER GEOCHEMICAL CONTOUR MAP OF THE SQUAW PEAK PORPHYRY DEPOSIT





MOLYBDENUM GEOCHEMICAL CONTOUR MAP OF THE SQUAW PEAK DEPOSIT CONTOUR INTERVAL: 20 ppm Mo

> 500 1000 ft.



MOLYBDENUM GEOCHEMICAL CONTOUR MAP OF THE SQUAW PEAK DEPOSIT

CONTOUR INTERVAL: 20 ppm Me

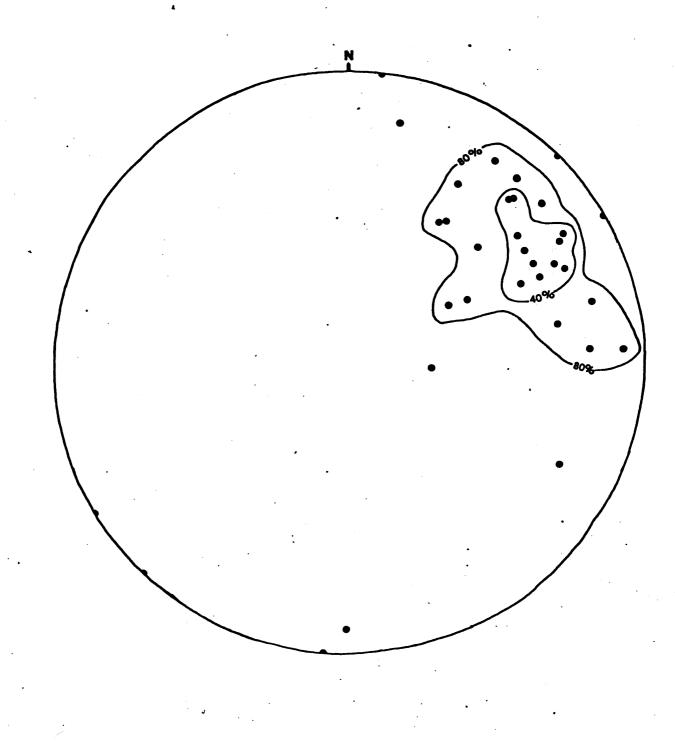
500 1000 fe.



500

1000 ft.

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# PROPOSED RAW MATERIAL PROGRAM

### ESSEX INTERNATIONAL, INC.

Paul I. Eimon

June 1, 1973

## **OBJECTIVE**

To provide assured, long term copper supplies.

### **METHODS**

1. EXPLORATION. Exploration for large copper deposits is recommended in the United States and Canada using the existing Essex geological staff. Properties and exploration targets will be selected by use of extensive experience, files, and contacts of the staff. Primary targets will be those areas that indicate the potential for sustained production of 20,000 tons of copper or more per year, and may include porphyry, massive sulfide, and stratabound types of deposits. Standard, proven exploration methods will be utilized, and will be conducted in a well-defined sequence. Imminent major changes in the public land and mining laws will be closely studied in an attempt to gain a competitive edge on larger exploration groups less able to react quickly.

The existing staff is adequate to handle the current level of activity and expenditures. If an accellerated program is considered additional experienced geologists may be added for target generation purposes and increased use could be made of consultants for area studies, regional expertise and advice, and geophysical evaluation. Temporary help or junior employees could be added for drilling projects, if necessary.

The proposed budget covers fixed costs of the existing staff and facilities and may necessitate increased travel expense that will result from a more intensive search for exploration targets. Variable expenses such as the cost of property options, mining claim location, drilling and geophysics will be covered by an RFA for each project.

The present technical staff as listed below consists of eight people including geologists at Milford and Safford, a geological assistant, a surveyor, and a laborer, and is supported by two office personnel.

Name	Location	Duties
P.I. Eimon	Tucson	Coordination, supervision of program, target generation.
E.G. Heinrichs	Tucson	Mining law review, land acquisition, supervision of office and survey staff.
J.K. Jones	Tucson	Target generation and evaluation project supervision.
D.C. Temple	Tucson	Target generation and evaluation.
J.W. Wilson	Milford	Project management, target generation.
B. Helming	Safford	Project management, target generation.
W. Brown	Tucson	Geological, geophysical, and surveying assistance, drilling management.
B. Reid	Tucson	Surveying, land status investigation.
T. Davis	Tucson	Accounts, office.
A. Cross	Tucson	Drafting.
J. Morales	Safford	Sampling, surveying assistant.

- 2. COPPER RESERVE ACQUISITION. This program is recommended to investigate the possibility of acquiring developed reserves and operating mines or mining companies by purchase, joint venture development, or other methods. Thorough, coordinated investigation is essential to determine financial status, ore reserves, exploration potential, and opportunity. Investigations will be directed by the Tucson office and will be conducted by W. Hoskins and Lyall Lichty. Ore reserves and exploration potential will be evaluated by the geological staff, and financial advice will be provided by R. Kelly and J. Biteman. Consultants such as Harry Winters, Kay Pincock, and J. David Lowell will be used as needed.
- 3. INTERNATIONAL COPPER SUPPLIES. Analysis of developments outside the U.S. that could supply copper to Essex foreign and domestic plants will be continued. In view of the several known undeveloped ore deposits for which technical assistance, markets,

and financing are being sought, Essex can consider low risk participation in consortiums to develop such deposits. Examples of undeveloped deposits are:

La Verde, Mexico La Caridad, Mexico Cerro Verde and others, Peru Phillipine Island deposits Colombia, S.A. deposits Iran deposits

Investigation will be maintained by P.I. Eimon and Lyall Lichty with occasional assistance from consultants and the Tucson staff.

Paul I. Eimon

PIE:td

June 1, 1973



MEDIAN ATTITUDE OF MIN'LIZED VAI: N 29'W 84'SW

31 poles to minitized planes

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# INTERVALS AVERAGED DDH - 13

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0.06	0.16	0.07	0.10	0.04	0.22	0.06	0.15	0.0	0.13	0.05	0.24	% Cu
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0.023	0.107	0.017	0.022	0.016	0.011	0.00	0.016	0.009	0.02	0.002	0.005	% MoS2
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DDH #6

# Intervals Averaged

Cu/Mo	Interval	ho/Cu	% Cu	· Jo Mo	% MoS <sub>2</sub>	
249				<i>.</i>		
57	0 - 30(6)	.018	0.51	(.009	0.0158	•
75	30 - 50(4)	, 013	0.15	,017 }.002	0.004	
20	50 - 155(21)	,050	0.46	.023	0.038	
25	(0 - 155)	.040	0.43	017	0.029	. 1179 No = .34/63 No
15	155 - 200	.066	0.32	,021	0.035	0.47 oz. Ag
39	200 - 315	.026	0.27	,007	0.011	· .
36	315 - 365	,028	0.36	.010	0.017	
33	365 - 515	.030	0.23	.007	0.012	•
47	515 - 650	.0ZI	0.14	. 0 0 3	0.005	
15	650 - 685	.065	0.20	1013	0.021	
14	685 - 750	.070	0.10	.007	0.012	
30	750 - 862	.033	0.03	1001	0.002	