AMSELCO
EXPLORATION INC.
17602 North Black Canyon Highway
Suite 105
Phoenix, Arizona 85023

ROCK GEOCHEM.

No. R- 9517

PROJECT NAME SWPM OFFICE Yuma

PROPERTY Sugarloaf P. 09569 GEOLOGIST Tom Young

1 of 1

SAMPLE DESCRIPTION	SAMPLE LOCATION	NO.	ASSAY RESULTS In Au-Ag opt.-others ppm Au	Ag	Sb	As	Hg	Tl	Te
3X6 Panel 1" Mod. sil w/qtz veinlets metarhy, mod. lm & jar		1	<.003	.060	<2	10	.06	2	.005
2x2 Panel - v. wkly sil., bleached & wkly frac. wk lm metarhy	*	2	.032	.090	<2	20	.03	<1	<.005
4X4 - Mod. sil metarhy cappuck to above		3	.008	.030	2	20	.10	4	<.005
4x3 - v. wkly sil. - mod. frac w/ hm, jr - lm		4	<.003	.030	<2	50	.03	3	.010
Control	*	5	.025	.080					
3X3 Panel - p.p. - Strong hm color - anom., arg(?) alt. metarhy.		6	<.003	<.03	2	20	.03	2	<.005
4X4 - Ser. alt. wkly frac, minor sil metarhy		7	.006			30	.08	2	.015
5X5 - pp - same w/ minor jar; rare Cu oxides		8	<.003			20	.09	1	.010
4X4 - mod. fresh - ser. alt., wkly frac. metarhy		9				10	.02	3	.005
4X3 - p.p - wkly frac. - same		10			2	30	.02	2	.050
grab p.p - 1 ft. wide gouge zone; strong clays wk jar. N35W, 65NE		11	<.003	<.03	12	70	.05	2	.050
Control	*	12	.055	<.05					
4X4 - p.p. hanging wall #11, mod. frac., hm stained metarhy		13	<.003	<.03	4	30	.04	2	.050
4X4 - p.p. - footwall to #11 same as above		14			2	20	.06	<1	.050
5X5 - ser. schist - wk frac. minor alunite		15			2	10	.03	2	.045
5X5 - same - mod. qtz veinlets		16			4	20	.12	4	.025
grab - 6" shear zone (p.p) Strong hm - minor qtz, alunite N70W, 35N		17			4	50	.02	2	.140
5X5 - pp - hanging wall to above - wkly frac. schist		18			<2	50	.05	2	.140
4X4 - intensely sil schist, v. wk diss py. mod. hm & lm.		19			4	60	.05	2	.085
Control		20							
5X5 - pp. - wkly sil, mod. frac. metarhy		21			<2	30	.04	2	.050
5X5 - prop. alt, metarhy or metadacite, minor qtz along fol.		22			4	20	.06	2	.015
grab - 1 ft. wide shear - mod. bx, strong, earthy hm N30W, vert.		23			2	130	.08	1	.220
5X5 - bleached wall rocks to above, minor jar., local alunite		24			<2	60	.06	1	.290
4X4 - wkly sil, mod. hm & jar - spotty qtz.		25			2	20	.03	3	.010

STATE Az. COUNTY LaPaz

SPECIAL INSTRUCTIONS general all elements
Au - Ag, Amselco Lab
others - Skylite

LAB NAME ____ ASSAY METHOD ____

SHIPPED FROM FIELD 10-3-84 VIA delivered RECEIVED ____ PREPPED ____

SHIPPED TO LAB ____ VIA ____ REPORTED ____

AMSELCO EXPLORATION INC.
17602 North Black Canyon Highway
Suite 105
Phoenix, Arizona 85023

ROCK GEOCHEM.

No. R- 9518

PROJECT NAME SWPM OFFICE Yuma

PROPERTY Sugarloaf P. 09569 GEOLOGIST T. Young

1 of 1

SAMPLE DESCRIPTION	SAMPLE LOCATION	B;	Pt	NO.	Au	Ag	Sb	As	Hg	Tl	Te
4x5 Panel - wkly sil, strk metarhy - alunite - adite			<.1	1	<.003	<.03	2	10	.03	4	.010
4x5 - Same - less alunite				2			4	10	.04	1	.020
5x5 - same - mod alunite strk				3			4	10	.05	5	.015
grab - alunite - white, punky				4			2	20	.07	3	<.005
Control				~~5~~							
7x3 - Strongly sil tuff w/ strong jar. lm		Pb		6			6	130	.06	4	.240
3x3 - intensely sil rhy - gray w/ greenish sericitic zones		275	70	7			44	50	.05	2	.290
3x3 - high grade bx zone of intensely sil metarhy - strong lm bx fill		270	220	8	↓	↓	24	350	.05	6	.620
grab - bull qtz vein w/ coarse specularite				9	<.003	<.03	8	60	.13	1	.120
Control			*	~~10~~	.054	.080					
5x5 - bleached, wk to mod frac. with jar. stain - metarhy				11	.004	.030	4	40	.06	3	.050
5x5 - strongly sil, wkly frac. rhy. w/ jar.				12	.008	.030	2	70	.05	6	.045
5x5 - p.p. - wkly frac, mod jar				13	.003	<.03	<2	20	.03	3	.020
5x5 - Bleached rhy w/ strong MnO_2 coating, near low angle shear zone				14	.010	.030	8	30	.02	4	.015
Control			*	~~15~~	.107	.060					
5x5 - bleached, mod hm stain, lm jar, above #14 (same)				16	.003	<.03	6	30	.02	3	.010
5x5 - mod sil, mod frac w/ jar/lm				17	.003	.030	10	50	.04	2	<.005
3x3 - mod. sil; otherwise fresh - metarhy				18	<.003	<.03	6	30	.06	2	<.005
3x3 - Same - slightly more fracs than above				19	.006	↓	2	20	.05	2	.030
5x5 - wk to mod. frac. metarhy. Same		10	2	20	<.003	↓	2	20	.05	3	.035
4x4 - p.p - m.d frac, strong jar, metarhy				21	<.003	<.03	<2	20	.09	3	.030
grab - ¼" limonitic. shear - N45W, 80NE	Subsurface - Lucky			22	.010	.030	2	40	.03	5	.040
grab - 2-5" wide bull qtz vein w/ mod. Sulfide - (lm) N85E, 80NW J Stein				23	<.003	<.03	2	10	.10	2	<.005
grab - gouge & minor lm 2-3" wide N30W, 65NE				24	.009	.030	<2	20	.06	3	.010
grab - strong jarosite & gouge, minor gyp. N40E, 70NW				25	.003	<.03	<2	20	.03	4	.010

ASSAY RESULTS In OPT - 30-75 PPM others

STATE _____ COUNTY _____

SPECIAL INSTRUCTIONS geochem all elements
Au - Ag Amselco lab
others - skyline

LAB NAME _____ ASSAY METHOD _____

SHIPPED FROM FIELD 10-4-84 VIA delivered RECEIVED _____ PREPPED _____

SHIPPED TO LAB _____ VIA _____ REPORTED _____

AMSELCO
EXPLORATION INC.
17602 North Black Canyon Highway
Suite 105
Phoenix, Arizona 85023

ROCK GEOCHEM.

No. R- 9519

PROJECT NAME SWPM OFFICE Yuma

PROPERTY Sugarloaf Peak 04569 GEOLOGIST T. Young

1 of 1

*Sa

SAMPLE DESCRIPTION	SAMPLE LOCATION	NO.	ASSAY RESULTS In Au-Ag opt; others ppm Au	Ag	Sb	As	Hg	Tl	Te
5x5 Panel - wkly-fractured - strong jarosite, non sil - metarly		1	<.003	<.03	2	25.	.08	1	.015
5x5 Panel - pp. strongly sheared rhy (low angle) pred. pyrophyllite (?), wk jar. limn		2	<.003	<.03	38	70.	.07	5	.360
Control	*	3	0.24	.180					
5x5 - p.p. same as above - less pyro.	Pb 2.002 Bi 105 Pt	4.1	.003	<.03	50	390.	.05	15	.420
5x5 - pp. - Same but includes several low angle qtz/lm veins 1 to 3/8" wide	Bi	5	<.003		6	30.	.37	22	.025
3x2 - strongly fractured metarhy with lim	Pb 195	4			2	25.	.16	6	.170
5x3 - Intensely silicified metarhy w. "clean" qtz veinlets	50	80			28	50.	.07	<1	1.000
5x5 - Same	65	165			12	10.	.06	<1	.440
5x5 - adit portal - pyrophyllite (?) schist with minor lim & jar.	8.50	115			4	45.	.09	18	.020
		10							
		11							
		12							
		13							
		14							
		15							
		16							
		17							
		18							
		19							
		20							
		21							
		22							
		23							
		24							
		25							

STATE Az. COUNTY LaPaz

SPECIAL INSTRUCTIONS geochem all elements; Au & Ag - Amselco Lab; other elements Skyline

LAB NAME ASSAY METHOD

SHIPPED FROM FIELD 10-4-84 VIA C.F. RECEIVED PREPPED

SHIPPED TO LAB VIA REPORTED

AMSELCO EXPLORATION INC.
17602 North Black Canyon Highway
Suite 105
Phoenix, Arizona 85023

ROCK GEOCHEM.

No. R- 9520

PROJECT NAME SWPM 09569 OFFICE Yuma

PROPERTY Sugarloaf Peak GEOLOGIST T. Young

1 of 3

SAMPLE DESCRIPTION	SAMPLE LOCATION	NO.	ASSAY RESULTS In O.P.T. Au	Ag	Sb	As	Hg	Te	Tl
Grab; NS qtz vein, strong Mn Oxides, rare Cu oxides		1	.001	.022	6	<10	.04	.015	<1
6X3 Panel - Chl. schist, wkly frac.		2	.002	<.009	4	10	.06	.010	1
Grab - Narrow qtz-lm veins N70 W, 80S		3	.024	.031	8	50	.12	.035	<1
3X6 - Strong to Mod. Sil schist local py-lm		4	.003	<.009	4	20	.05	<.005	<1
4X4 - Mod. chl. schist, wk to mod lm fracs.		5	.001	.011	10	10	.02	<.005	<1
Control		~~6~~	.034	<.009	—	—	—	—	—
6X2 - wkly frac. ser. schist w lm, mod hm stain		7	<.001	.011	4	20	.04	.015	<1
8X2 - silic.-ser. schist, heavy Fe stain, mod. lm/py		8	.001	.020	4	20	.05	.015	<1
Control		~~9~~	<.001	<.009	—	—	—	—	—
3X4 - Chl. schist wkly frac.		10	.004	.012	6	<10	.07	.005	<1
6X3 - wkly sil, wkly hm, ser. schist, locally bx		11	.014	.037	6	<10	.04	.010	↓
4X4 - Same - slightly stronger silica		12	.006	.027	8	↓	.04	<.005	↓
4X4 - Same		13	.010	.048	4	↓	.02	.010	↓
6X4 - Mod. sil, strong hm-lm, tr py, schist		14	.014	.094	4	↓	.02	.065	↓
5X5 - Same - weaker sil, mod. fresh rock		15	.003	.028	4	↓	.02	.005	↓
grab - tect. bx, bright red hm rich fault bx, bleached frags		16	.001	<.009	18	<10	.03	<.005	<1
6X2 strong sil schist w/ hm, mod. lm.		17	.004	<.009	4	20	.02	.010	1
2X2 - wkly hm, mod frac. ser. schist		18	.001	<.009	4	<10	.05	<.005	<1
Control		~~19~~	.115	.013	—	—	—	—	—
5X5 - Intensely frac., stuck w/ lm-jar		20	<.001	<.009	4	<10	.01	.020	<1
5X5 - wkly sil w lm-jar fracs.		21	<.001	<.009	4	30	.01	.010	<1
grab - gossanous vein - qtz & lm - gt. p.p. - N80E		22	.022	.128	4	90	.03	.040	4
3X3 - Mod. fresh wk lm-jar, minor qtz veinlets in schist		23	.003	.017	6	<10	.02	.010	<1
6X2 - Same wk hm stain - Mod. fresh		24	.001	.011	4	<10	.01	<.005	<1
6X3 - Same		25	.002	<.009	16	<10	.02	.020	<1

STATE _____ COUNTY _____

SPECIAL INSTRUCTIONS Geochem all elements
Au - Ag Amselco Lab, others Skyline

LAB NAME _____ ASSAY METHOD _____

SHIPPED FROM FIELD 10-25-84 VIA delivered RECEIVED _____ PREPPED _____

SHIPPED TO LAB _____ VIA _____ REPORTED _____

AMSELCO
EXPLORATION INC.
17602 North Black Canyon Highway
Suite 105
Phoenix, Arizona 85023

ROCK GEOCHEM.

No. R- 9521

PROJECT NAME SWPM 09569 OFFICE Yuma

PROPERTY Sugarloaf Peak GEOLOGIST T. Young

2 of 3

SAMPLE DESCRIPTION	SAMPLE LOCATION	NO.	ASSAY RESULTS In Au	Ag	Sb	As	Hg	Te	Tl
3x3 Panel. Mod. fresh schist, minor jar-lm veinlets		1	<.001	<.009	2	50	.03	.020	<1
6x3 - Same - widespread jar-lm veinlets		2				20	.02	.015	
5x5 - fresh meta dacite - very rare lm frac.		3				<10	.04	.005	
4x4 - local zone - strongly sil schist w/ alunite veining		4				20	.02	.030	
6x4 - wkly ser - chl schist, minor qtz veining		5	<.001	<.009		30	.01	.010	
grab - 1ft. wide shear N60E, 30NW - controlling phyllic alt. - qtz py - gouge		6	.002	.262		60	2.40	.075	
5x5 - Mod. frac schist - wk ser, strong hm stain		7	<.001	<.009		30	.07	.030	
5x5 - fresh dacite (meta), occassional frac. - lm		8	<.001	<.009		20	.06	.010	
5x5 - bleached, ser. schist with num. hm & jar frac		9	<.001	.011	2	40	.02	.160	<1
Control		10	.074	.015	—	—	—	—	—
5x5 p.p. - Same - with alunite		11	.004	.014	2	20	.05	.010	<1
5x5 p.p. - strongly frac. ser. schist, lm-hm-al, with minor qtz		12	.002	<.009		30	.05	.020	
6x4 - Same - less fracs, no alunite		13	.001	.013		10	.07	<.005	
2x2 - bleached, wkly fractured, w/ qtz lm veinlets		14	.005	.015		<10	.02	<.005	
6x6 - strongly sil, strong lm w/ fresh py exposure #14		15	.009	.019		<10	.02	.015	
4x4 - wkly sil, wkly frac - hm - lm		16	.011	.023	2	20	.05	.005	<1
Control		17	.024	.056	—	—	—	—	—
5x5 p.p. - Mod. sil schist - strong hm, num qtz veins; lm stwk		18	.001	.019	2	60	.02	.015	<1
6x2 - Same - locally more sil		19	.004	.021	2	20	.03	<.005	
6x3 - Same - locally bx		20	.003	.028	2	20	.08	.010	
4x2 - Same num qtz stringers, locally bx		21	.006	.031	4	<10	.05	.005	
4x3 - Same - less bx		22	.005	.020	6	30	.07	.005	
6x3 - non sil, bleached w/ mod jar-lm fracs		23	.003	<.009	2	10	.01	<.005	<1
Control		24	<.001	<.009	—	—	—	—	—
4x4 - local zone, strongly bx, strong hm stain		25	.002	.031	6	10	.02	<.005	<1

STATE _____ COUNTY _____

SPECIAL INSTRUCTIONS Geochemall elements
Au-Ag Amselco Lab; others Skyline

LAB NAME _____ ASSAY METHOD _____

SHIPPED FROM FIELD 10-25-83 VIA delivered RECEIVED _____ PREPPED _____

SHIPPED TO LAB _____ VIA _____ REPORTED _____

AMSELCO EXPLORATION INC.
17602 North Black Canyon Highway
Suite 105
Phoenix, Arizona 85023

ROCK GEOCHEM.

No. R- 9522

PROJECT NAME SWPM 09569 OFFICE Yuma

PROPERTY Sugarloaf Peak GEOLOGIST T. Young

3 of 3

SAMPLE DESCRIPTION	SAMPLE LOCATION	NO.	ASSAY RESULTS In Au	Ag	Sb	As	Hg	Te	Tl
3x3 - Mod sil, locally bx w jar-lm fracs		1	.014	.043	6	<10	.02	.015	<1
4x2 - Non sil, mod. frac. jar-lm-qtz stwk		2	.019	>.009	22	<10	.05	.015	<1
Control		~~3~~	>.001	>.009	—	—	—	—	—
2x2 - same, minor qtz veinlets		4	.002	>.009	14	<10	.04	<.005	<1
3x4 - Mod. sil, locally strong fracs - lm-jar		5	.008	.029	65	<10	1.30	<.005	↑
4x4 - non sil - ser. schist, mod. jar-lm fracs		6	.009	>.009	16	10	.07	.015	
4x4 - same		7	.001	>.009	6	<10	.04	.015	↓
2x2 - same		8	.004	>.009	6	30	.06	.015	<1
5x5 - non sil - bleached strong jar-lm fracs w/qtz		9	.004	.010	6	40	.02	<.005	5
4x4 - bleached strongly fractured non sil - jar-lm stwk		10	.006	>.009	10	40	.01	.015	<1
10x2 - qtz-flooded caprock to above - coarse ser, mod qtz vnlts		11	.003	.015	26	10	.01	<.005	<1
Control		~~12~~	.033	>.009	—	—	—	—	—
7x1 - Mod. sil - wkly frac. schist		13	.015	.028	10	30	.03	.015	<1
4x4 - Strongly sil, bx schist, mod. fresh py		14	.003	.010	24	40	.05	.005	↑
5x5 - same		15	.005	.011	16	50	.04	.010	
4x4 - same		16	.004	.035	14	<10	.03	.015	
2x3 - mod. fresh schist, wkly ser. alt. w/ukbm stain		17	.004	.025	12	<10	.09	.035	
5x5 - same - strongest bm stain		18	.002	>.009	36	20	.02	.010	↓
3x3 - p.p. - mod. frac. ser. schist, wkly to strong vein (#21)		19	.003	>.009	2	<10	.01	<.005	<1
Control		~~20~~	.024	.055	—	—	—	—	—
Grab - gossanous qtz-gypsum - geothite vein 6"-10" wide		21	.177	.126	<2	30	.02	.015	11
5x5 - mod. fresh with local ser. alt. zones, mod jar-lm vnlts		22	.002	.028	4	10	.02	.020	<1
		23							
		24							
		25							

STATE _____ COUNTY _____

SPECIAL INSTRUCTIONS geochem all elements
Au - Ag - Amselco Lab, others - Skyline

LAB NAME _____ ASSAY METHOD _____

SHIPPED FROM FIELD 10-25-83 VIA delivered RECEIVED _____ PREPPED _____

SHIPPED TO LAB _____ VIA _____ REPORTED _____

AMSELCO
EXPLORATION INC.
17602 North Black Canyon Highway
Suite 105
Phoenix, Arizona 85023

ROCK GEOCHEM.

No. R- 9523

PROJECT NAME SWPM 09569 OFFICE Yuma

PROPERTY Sugarloaf Peak GEOLOGIST T. Young

1 of 2

SAMPLE DESCRIPTION	SAMPLE LOCATION	NO.	ASSAY RESULTS In oz/t & PPM Au	Ag	Sb	As	Hg	Te
6X3 Panel - Mod. sil, fresh py (5%) mod. qtz-ln fracs, mod. hm stain, metadacite		1	.005	.03	12	20	.04	.010
6x2 - Same		2	.009	<.03	10	20	.36	.020
7X1 - Same, wkly silicified		3	.008	<.03	8	10	.06	.025
Control		~~4~~	.042	.06				
5X5 - Mod. to wkly sil, wk hm stain		5	.007	<.03	26	10	.09	.030
3X3 - nonsil, mod. ln-jar fracs		6	.031	.12	28	10	.10	.020
6x2 - same, slightly stronger ln-jar		7	.020	<.05	14	30	.05	.035
4X4 - wk to mod. sil, mod. ln-jar fracs		8	.003	.03	12	20	.08	.030
5X5 - non sil, mod hm stain, mod jar fracs		9	.075	.08	6	10	.06	.030
8X1 - same - somewhat bleached		10	.006	.03	4	<10	.16	.020
3X4 - wk to mod. sil, mod. fresh py. no hm stain		11	.007	<.03	6	10	.05	.020
3X3 - wk sil, bleached, wk fracs - ln-jar		12	.008	.03	4	<10	.04	<.005
3X3 - ~~wk sil~~ v. wkly sil, wk alunite veining		13	.003	.03	4	<10	.05	.025
Control		~~14~~	.103	<.05				
4X4 - Mod. sil lens, mod. qtz ln veinlets, wk. hm. stain		15	<.003	<.03	6	<10	.04	.020
4X4 - Mod. sil, locally bx, qtz-ln-hm; mod jar. fracs		16	<.003	.06	6	10	.12	.025
8X2 - nonsil, mod fracs - jar + qtz-ln		17	.011	<.03	6	10	.13	.035
1X4 - same - no qtz fracs		18	.006	.03	18	20	.02	.025
10X1 - wk to mod sil, mod qtz. ln fracs, v. strong hm stain		19	.069	<.05	14	20	.14	.020
8X2 - Same - wk. sil.		20	.009	<.03	2	10	<.01	.020
Control		~~21~~	<.003	<.03				
3X4 - same mod. sil		22	.013	<.05	6	10	.08	.005
3X3 - non sil, wkly frac. locally hm, bleached		23	.021	<.05	6	10	.03	.020
6X2 - wk to mod. sil, mod hm stain, locally jar fracs, some ln-~~qtz~~		24	.006	.15	12	20	.15	.020
3X3 - wk. sil, local ln-bx, over-all bleached		25	.015	.09	8	30	.05	.020

STATE Az COUNTY La Paz

SPECIAL INSTRUCTIONS

LAB NAME Au-Ag-Amselco; others-Skyline ASSAY METHOD geochem all elements

SHIPPED FROM FIELD 11-2-84 VIA delivered RECEIVED PREPPED

SHIPPED TO LAB VIA REPORTED

AMSELCO
EXPLORATION INC.
17602 North Black Canyon Highway
Suite 105
Phoenix, Arizona 85023

ROCK GEOCHEM.

No. R- 9524

PROJECT NAME SWPM OFFICE Yuma

PROPERTY Sugarloaf Peak GEOLOGIST T. Young

09569

2 of 2

SAMPLE DESCRIPTION	SAMPLE LOCATION	NO.	ASSAY RESULTS In OPT & PPM Au	Ag	Sb	As	Hg	Te	Bi
3X3 Panel - non sil., v. wkly fraced, fissil metadacite schist		1	<.003	<.03	<2	20	.02	.010	
6X4 - Same - mod. fractured, below silicified lense		2	.012	<.03	4	20	.04	.015	
3X3 - mod sil w/ qtz/lm fracs, strong hm stain		3	.013	.07	18	20	.06	.015	
4X2 - wk to mod sil, mod lm-jar fracs, mod hm stain		4	.007	<.03	2	30	.04	.020	
6X1 - non sil, wk to mod fractured, strong jar.		5	.015	.26	55	40	.03	.025	
10X1 - non sil, strong fracture, qtz-lm-jar		6	.005	<.03	2	20	.03	.040	
Control		~~7~~	.024	<.05					
4X4 - Same as #6	Pb.	8	.035	.14	<2	20	.14	.025	
3X3 - wk. sil. & frac.	115	9	.075	<.05	<2	20	.09	.025	2
4X2 - non sil, bleached, punky; strong jar fracs.		10	<.003	<.03	2	20	.01	.025	
6X3 - non sil schist w mod reddish hm fracs		11	.005	.03	12	30	.05	.020	
5X5 - non sil schist, bleached, mod. lm fracs		12	.004	<.03	4	30	.02	.015	
4X4 - Same - poor sample (limited exposure)		13	.009	.15	10	20	.07	.025	
5X5 - Same - mod hm fracs		14	.019	<.05	12	10	.02	.020	
4X2 - non sil, bleached, minor limonite		15	.003	<.03	2	30	.02	.015	
3X3 - locally sil, bleached schist, wkly frac w/ jar-lm		16	.011	<.03	2	30	<.01	.015	
3X3 - Mod. sil, heavy stain, some fresh dissp; qtz-lm fracs		17	.003	.03	10	30	.14	.015	
Control		~~18~~	<.003	<.03					
2X2 - wk sil, dry lm fracs along foliation		19	.004	<.03	6	20	.02	.015	
5X5 - Mod. sil, + c fresh py, mod hm-lm fracs.		20	.004	.06	12	40	.03	.005	
3X3 - Strong sil, minor fracs - hm stain		21	<.003	<.03	4	30	.01	<.005	
3X3 - wk'ly sil, numerous lm fracs - mod. hm stain		22	.004	<.03	6	60	.24	.010	
5X5 - non sil, mod. fractured w/ lm-jar (poor exposure)		23	.007	.03	2	10	.02	.015	
6X2 - mod sil, locally barren, mod hm stain, mod lm-qtz fracs		24	.011	.09	2	20	.10	.020	
Control		~~25~~	.034	<.05					

STATE Az COUNTY La Paz

SPECIAL INSTRUCTIONS

LAB NAME Au, Ag - Amselco; others - Skyline ASSAY METHOD geochem all elements

SHIPPED FROM FIELD 11-2-84 VIA deliver RECEIVED PREPPED

SHIPPED TO LAB VIA REPORTED

AMSELCO
EXPLORATION INC.
17602 North Black Canyon Highway
Suite 105
Phoenix, Arizona 85023

ROCK GEOCHEM.

No. R- 9525

PROJECT NAME SWPM OFFICE Yuma

PROPERTY Sugarloaf Peak 09569 GEOLOGIST T. Young

SAMPLE DESCRIPTION	SAMPLE LOCATION	NO.	ASSAY RESULTS In						
			Au	Ag	Sb	As	Hg	Te	Tl
5x5 Panel - bleached schist, strong lm-jar. volts, non sil.	- - cut at drill site SWR-2	1	.007	<.001	12	50	.04	.010	2
8x3 - wkly. sil. schist, strong lm-jar-hm	road cut between SWR-2 & 3	2	.004	.010	6	60	.04	.010	3
4x3 - same	cut at site SWR-3	3	.003	.018	12	60	.10	.005	2
5x5 - Same	cut at site SWR-9	4	.009	.019	14	50	.01	.010	2
3x3 - wkly sil., locally intense geoth., strong jar. volts.	road cut between SWR-5 & 6	5	.015	.022	34	40	.18	.005	4
Control		~~8~~	.108	.013	—	—	—	—	—
8x2 - non sil., intense stwk, jar-lm. volts	cut at site SWR-6	7	.006	.009	22	60	.17	.015	5
4x4 - Strong sil.; greenish ser. color, intense lm-jar-hm.	cut at site SWR-7	8	.008	<.001	6	30	.18	.005	4
4x2 - non sil, strong lm-jar stwk.	cut at site SWR-11	9	.001	<.001	6	30	.32	.010	2
3x3 - mod. sil, strong lm-jar stwk.	cut at site SWR-10	10	.001	.025	4	40	.12	<.005	2
5x5 - mod. sil, local qtz flooded, int. jar, strong lm-hm;	cut at site SWR-12	11	.025	.060	6	40	.08	.010	3
Control		~~12~~	<.001	<.001	—	—	—	—	—
5x5 - mod to int. sil, local v. strong hm-jar-lm	cut at site SWR-13	13	.002	.010	6	20	.04	<.005	1
		14							
		15							
		16							
		17							
		18							
		19							
		20							
		21							
		22							
		23							
		24							
		25							

STATE Az COUNTY Cochise

SPECIAL INSTRUCTIONS

LAB NAME Amselco - Au-Ag; Skyline other ASSAY METHOD f.a./aa Au-Ag geochem other

SHIPPED FROM FIELD 12-11-84 VIA delivered RECEIVED PREPPED

SHIPPED TO LAB VIA REPORTED

ORIGINAL: TAK
CC: STK, RGN, BDR, EGL, THY

AMSELCO EXPLORATION INC.
17602 North Black Canyon Highway
Suite 105
Phoenix, Arizona 85023

ROCK GEOCHEM.
No. R- 9526

PROJECT NAME SWPM OFFICE Yuma
PROPERTY Sugarloaf Peak GEOLOGIST T. Young
09569

SAMPLE DESCRIPTION	SAMPLE LOCATION	NO.	ASSAY RESULTS In Au-oz/t; others-ppm Au	Sb	As	Te	Bi		
4x4 Panel! Pb bleach schist w/ mod alunite veining, wk jarosite	Pb 830 Bi 4	1	<.001	.6	10	.015			
3x3 - p.p. - wkly. sil. schist w/ strong alunite veining		2	<.001	.2	20	.015	4		
4x4 - sericitic schist w/ strong alunite veining		3	.002	.4	30	.040			
4x2 - mod. sil. schist, mod jar-lm fracs, mod hm stain		4	.001	<2	20	.030			
Control - Silica		~~5~~	<.001	—	—	—			
4x2 - mod. sil. schist, mod jar. lm veining. wk alunite		6	.002	<2	20	.180			
Grab - p.p. - 1ft. wide shear zone, gouge; hematitic brecciated schist		7	<.001	<2	150	.090			
4x4 - hanging wall to above - variable argillic alt. (pyroph.) & sil schist	Pt <.1	8	<.001	.2	120	.060			
4x4 - foot wall to above - mod. comp. schist. local hm staining & arg. alt.		9	<.001	.2	40	.170			
Control L		~~10~~	.024	—	—	—			
4x4 - bleached, sericitic schist w/ mod. reddish hm. veining		11	.001	.2	10	.055			
4x4 - sericitic schist, mod. shearing w/ jar. & wk. alunite		12	<.001	.46	40	.025			
3x4 - p.pit, sericitized schist w/ mod alunite veining & silicification		13	.001	<2	10	.025			
3x4 - drill pad SWR-14; strong alunite veining in mod. comp schist		14	<.001	<2	20	<.005			
Control G		~~15~~	.014	—	—	—			
3x3 - strong alunite veining in mod. comp. schist		16	<.001	.4	<10	.020			
4x4 - hematitic, sericitic schist with mod hm-jar veinlets		17	<.001	.2	10	.005			
5x5 - Intensely silicified schist with local bull qtz veins -		18	.003	.38	10	.005			
4x3 - Mod. fractured, sericitized schist w/ strong jar-hm-lm veinlets		19	.005	<2	10	<.005			
4x4 - finely divided schist - strong jar on fractures		20	.006	.6	20	.010			
2x2 - mod comp. schist - widespaced jar fracs - pinkish hm stain		21	.001	.2	<10	.005			
3x3 - p.p. - bleached schist, wkly frac. w/ lm-jar veinlets		22	.015	.2	20	.020			
5x5 - intensely sil. schist - local zone - w bull qtz veins, wk-mod lm-jar		23	.001	.2	<10	.030			
4x2 - Strongly fractured schist w/ jar-lm veinlets		24	.005	.4	10	.015			
3x3 - Mod. fractured schist - hm-jar (poor exp.)		25	.002	.2	10	.015			

STATE Az COUNTY CoPaz

855575 855576 F.A/AA - Au

SPECIAL INSTRUCTIONS

LAB NAME Au-Amselco; other-Skyline ASSAY METHOD Geochem others

SHIPPED FROM FIELD 1-27-85 VIA delivered RECEIVED 1/27/85 PREPPED 1/31/85

SHIPPED TO LAB 2/7/85 VIA UPS REPORTED 2/8/85 MC 2/15/85

ORIGINAL: TAK
CC: SJK, RGN, BDR, EGL, Mrg

AMSELCO EXPLORATION INC.
17602 North Black Canyon Highway
Suite 105
Phoenix, Arizona 85023

ROCK GEOCHEM.

No. R- 9527

PROJECT NAME SWPM OFFICE Yuma

PROPERTY Sugarloaf Peak 09569 GEOLOGIST T. Young

SAMPLE DESCRIPTION	SAMPLE LOCATION	NO.	ASSAY RESULTS In Au-oz/t. others-ppm Au	Sb	As	Te	Bi	Pb
4x2 Panel- wkly sil lev atschist w/ mod jar-alunite veining		1	.004	·2	50	.050		
4x4 - Mod. sil. schist; strong jar. stain, locally bx		2	.001	·10	40	.035		
5x2 - bleached sericitic schist w/ wk alunite veining		3	<.001	·4	20	.060		
3x5 - p.pit - strongly fractured schist · alunite & qtz, mod. sil		4		·<2	30	.035		
6x2 - wk to mod sil, sericitic schist, wk. alunite veins		5		·2	10	.030		
6x3 - Same. mod. oxidized.		6		·<2	30	<.005		
4x4 - Coarse sericitic schist, wkly fractured		7	↓	·2	30	.045		
Control O		~~8~~	.059	—	—	—		
2x2 - same as #7		9	<001	·<2	10	.005		
2x3 - same as #7 w/ wk alunite veining		10		·<2	20	.025		
3x3 - silicified schist in zone of numerous qtz veining		11		·2	20	<.005		
4x2 - Mod. clean, sericitized schist, wk alunite veining		12		·4	20	.005		
4x2 - Same - no alunite		13	↓	2	20	.025		
Control N		~~14~~	.099	—	—	—		
3x3 - Mod. clean, sericitized schist, wk. alunite veining		15	.001	·2	20	.025		
3x3 - Mod. clean, sericitic schist, wk. jar. alunite veining		16	.005	·<2	20	.015		
4x2 · wkly sil schist, 5% fresh, diss. py.		17	.001	·4	10	.010		
3x3 - Mod clean schist, wk. alunite veining		18	<.001	·6	20	.025		
4x1 - Non-sil, mod fractured (jar-lm) schist		19	.010	·<2	·30	<.005		
5x4 - Same - wk stwk		20	.013	·2	·20	.030	26	750
Control - Silica		~~21~~	<.001	—	—	—		
6x2 - p.pit - a-g. alt. schist w/ strong jar. stain veining		22	.003	·4	·100	.045		
4x4 - non sil schist - mod jar - lm veining		23	.004	·2	·20	.025		
2x1 - punky sericitized schist w/ mod lm-jar fracturing		24	.010	·2	·30	.050	4	245
3x1 - Mod comp, bleached schist w/ strong lm-jar.		25	.013	·2	·20	.035		

STATE Az COUNTY La. Paz.

855577 855578

LAB NAME Au-Amselco · others - Skyline ASSAY METHOD FAAA · Au; geochem oth.

SPECIAL INSTRUCTIONS

SHIPPED FROM FIELD 1-27-85 VIA delivered RECEIVED 1/27/85 PREPPED 2/1/85

SHIPPED TO LAB 2/7/85 VIA UPS REPORTED 2/8/85 ME 2/15/85

AMSELCO
EXPLORATION INC.
17602 North Black Canyon Highway
Suite 105
Phoenix, Arizona 85023

ORIGINAL: TAK
CC: ~~JTK, DDE, RGN~~, EGL, THY, TAK

ROCK GEOCHEM.
No. R- 9528

PROJECT NAME SWPM OFFICE Kuna
PROPERTY Sugarloaf Peak 09569 GEOLOGIST T. Young

SAMPLE DESCRIPTION	SAMPLE LOCATION	NO.	ASSAY RESULTS In Au-oz/t, others-ppm Au	Sb	As	Te	Bi	Pb
4x1 - poor exp. - bleached, soft schist, wk. jar stain		1	.002	10	<10	.030		
5x2 - Mod fresh, hm stained schist		2	.001	<2	10	.025		
4x2 - p.pit - bleached, sericitized schist, mod jar-lm stnk		3	<.001	4	40	<.005		
4x2 - p.pit - Mod fresh - hm stained schist w/ alunite veining		4	↓	<2	20	.030		
4x4 - p.pit - bleached schist, local hm stain, strong jar veining		5	↓	<2	<10	.025		
Control - Silica		~~6~~	↓	—	—	—		
4x4 - bleached schist w/ red hm fracs; Mod. alunite veining		7	.003	14	20	.045		
5x3 - Strongly frac, wkly sil schist; mod jar-hm veining, wk alunite		8	<.001	6	10	.010		
Control		~~9~~	.067	—	—	—		
3x3 - bleached schist - strong jar stain		10	<.001	2	20	.005		
5x5 - bleach to gray sil schist, coarse jar-alunite stnk.		11	↓	10	40	.090	650	2700
7x1 - fractured sericitic schist; qtz, jar, hm veinlets		12	↓	4	10	<.005	22	1200
5x4 - p.pit - Strongly argillized schist w/ mod. jar veinlets		13	↓	2	10	<.005		
3x3 - Weathered		14	.001	8	<10	.010		
5x2 - Mod. clean, sericitized schist, wk hm stain, wk jar fracs.		15	<.001	4	<10	.010		
5x2 - wkly sil schist - mod jar-lm stain, (bleached)		16	.006	4	10	.020		
4x3 - wkly sil, sericitized schist - mod hm-jar stain, wk alunite veining		17	.001	<2	10	<.005		
4x4 - wkly sil schist - strong alunite veining - wk jar.		18	.003	2	<10	.025		
Control		~~19~~	.013	—	—	—		
4x3 - p.pit. bleached, sericitized schist. strong jar-hm veining, wk. pyrophyllite		20	<.001	2	<10	.010		
5x3 - bleached, arg.alt. schist, mod jar fracs, wk alunite veining		21	<.001	4	10	.025		
5x5 - p.pit bleached, arg.alt. schist, mod fractured - jar-lm-qtz		22	.001	<2	10	.050		
5x5 - Strongly sheared, sericitic schist, Jar-lm-hm veinlets, wk alunite		23	.001	2	10	.015		
3x3 - fresh, gray sericitic schist - fault at low angle fault		24	.001	<2	<10	<.005		
4x4 - bleached sericitic argillic schist, mod jar fracs, minor qtz - hanging wall to low ∠ fault zone		25	.001	<2	10	.020		

STATE Az. COUNTY Co Paz

SPECIAL INSTRUCTIONS

LAB NAME Au - Amselco, others - Skyline 855579 855580 ASSAY METHOD FAAA-Au; Geochemistry

SHIPPED FROM FIELD 1-27-85 VIA delivered RECEIVED 1/27/85 PREPPED 2/4/85

SHIPPED TO LAB 2/7/85 VIA UPS REPORTED 2/19/85 mc 2/15/8

AMSELCO EXPLORATION INC.
17602 North Black Canyon Highway
Suite 105
Phoenix, Arizona 85023

ORIGINAL: TAK
CC: SJK, BDK, RGN, EGL, THY, TAK

ROCK GEOCHEM.

No. R- 9529

PROJECT NAME SWPM OFFICE Yuma

PROPERTY Sugarloaf Peak 09569 GEOLOGIST T. Young

SAMPLE DESCRIPTION	SAMPLE LOCATION	NO.	ASSAY RESULTS In Au-oz/t; others-ppm Au	Sb	As	Te	Tl	Pt.	Bi
Grab - 1-5" thick micro-bx zone along low-angle fault; strong hm gouge & bx		1	.001	6	30	.060	1		
4x4 - Intensely sil. schist. locally bx, num qtz vnlts, wk Cu oxides		2	.017	42	70	4.100	<1	<.1	>2000
Control N		~~3~~	.090	—	—	—	—		
Grab - shear zone in #2 - strong qtz veining & sil. schist		4	.001	8	<10	.340	<1	Pb	7240
5x2 - Sericitic schist; strong alunite veining, wk. pyrophyllite		5	.001	4	10	.120	6		
5x5 - some - no pyroph., 5% bull qtz		6	.001	<2	<10	.070	3		
4x2 - p.pit - hm stained, sericitic schist, mod alunite		7	.001	2	10	.060	4		
4x2 - sericitic schist, num. hm fractures, minor alunite veining		8	.031	4	10	.160	6		
Grab - qtz vein, one of numerous; low angle veins; bx qtz with strong, coarse limonite		9	.004	<2	10	.120	7		
Control - silica		~~10~~	<.001	—	—	—	—		
4x2, p.pit - bleached schist - mod. alunite veining		11	.001	2	<10	.030	19		
4x3 - red hematitic schist with strong alunitic veining		12	.001	2	30	.065	11		
4x4 - bleached schist - mod alunite veining, weak pyroph.		13	.002	2	10	.055	13		
5x5 - p.pit - pyrophyllitic schist with mod alunite veining		14	.002	18	10	.180	2		
4x1 - local zone of silicified		15	.007	36	20	.360	3	Pb	
4x4 - bleached schist with reddish-hm stain - strong alunite veining		16	<.001	2	20	.050	4	540	12
5x5 - pyrophyllite schist, fine hm-lm veining, minor alunite veining		17	<.001	2	10	.240	5	1700	75
5x5 - Intensely sil. bx. schist; dk. gray (Mn?) & cream colored.		18	<.001	22	<10	1.500	<1	100	600
Grab - hm schist at base of silicified schist (#18)		19	.010	65	30	.160	<1		
5x2 - pyrophyllite schist, bleached, weakly fractured, wk py along foliation		20	<.001	6	<10	.100	3		
Control - L		~~21~~	.023	—	—	—	—		
6x2 - weak, pyrophyllite schist - local strong qtz-lm vnlts		22	.001	4	<10	.045	4	750	24
Grab - Strong lm-qtz veins; one of many following foliation - 1-10" thick		23	.007	4	10	.050	1		
6x2 - well divided schist - soft - weak jar stain, wk pyrophyllite		24	.001	2	<10	<.005	6		
5x5 - poorly exposed, mod. fractured schist; jar-alunite veinlets		25	<.001	6	20	.050	5		

STATE Az COUNTY La Paz

SPECIAL INSTRUCTIONS

LAB NAME Au-Amselco, others-Styline 855581 855582 ASSAY METHOD FAAA-Au, geochem

SHIPPED FROM FIELD 1-27-85 VIA delivered RECEIVED 1/27/85 PREPPED 2/4/85

SHIPPED TO LAB 2/7/85 VIA UPS REPORTED 2/19/85 me 2/15/85

ORIGINAL: TAK
CC: SJK, BDR, RGN, EGC, THY, TAK

AMSELCO EXPLORATION INC.
17602 North Black Canyon Highway
Suite 105
Phoenix, Arizona 85023

ROCK GEOCHEM.

No. R- 9530

PROJECT NAME SWPM OFFICE Yuma

PROPERTY Sugarloaf Peak GEOLOGIST T. Young

09569

SAMPLE DESCRIPTION	SAMPLE LOCATION	NO.	ASSAY RESULTS In Au-oz/t; others ppm						
			Au	Sb	As	Te	Tl	Pt	Bi
5x4 - Strongly fractured, pyrophyllite schist, strong jar. local alunite veining		1	<.001	6	30	.040	6	<1	
4x2 - p.pit, soft schist, wk. pyrophyllite, mod. jar fracs		2	↓	2	20	.040	2	370	6
4x3 p.pit, bleached schist, wk. pyrophyllite, local, narrow qtz vein		3	↓	2	<10	.160	3	Pb↑	
4x4 - pyrophyllite schist, minor qtz-lm fracs along foliation		4	↓	6	↓	.070	<1	1100	65
8x8 - Intensely sil schist, locally dk gray (Mn?) bx obscured by silicifi.		5	↓	14	↓	.240	↓	75	140
5x5 - p.pit - Pyrophyllite schist w/ mod bm-jar fracs.		6	↓	6	↓	.075	↓	1150	65
5x5 - p.pit - same as above		7	↓	4	↓	.030	↓	560	50
Control K		~~8~~	.051	—	—	—	—		
5x5 - intensely sil schist - locally bx - minor dk gray Mn(?) zones		9	<.001	6	<10	.050	<1	<5	20
5x5 - p.pit - Med. gray to dk gray int. sil schist - access. lm-bm veinlets.		10	<.001	18	10	1.300	↓	250	270
4x4 - intensely sil schist - rather homogeneous		11	.001	14	<10	.420	↓	<5	1450
Grab - strong bx zone w/ qtz-lm cutting above.		12	.004	44	120	5.400	↓	320	275
3x2 - pyrophyllite schist, strong bm stain		13	<.001	6	10	.100	↓	980	30
Control G		~~14~~	.014	—	—	—	—		
5x5 - Prop. alt. dacite schist, mod. clean w/ epidote in g.m.		15	<.001	2	40	.200	<1		
6x2 - p.pit - Mod. sheared, pyroph. schist, wk ly sil. locally		16	.001	4	20	.025	9	2920	6
5x5 - Prop alt. dacite - clear w/ epidote in g.m.		17	<.001	2	10	.035	<1		
5x2 - bleached schist - wk. diss. pyrite, minor alunite, wk jar - lm veins		18	↓	4	10	.010	12		
3x2 - same		19	↓	8	<10	.120	<1		
Grab - p.pit - 3 ft. bx qtz vein with strong limonites		20	↓	4	120	.140	↓		
5x5 - intensely sil. schist with numerous bull qtz veins		21	.020	10	<10	.240	↓	40	>2000
~~Control~~ No sample		~~22~~	—	—	—	—	—		
3x4 - p.pit - light gray, pyrophyllite schist, earthy bm along fracs		23	<.001	8	<10	.180	<1	.5	30
5x5 p.pit - strongly fractured, pyrophyllite schist, local lm-bm silicification		24	↓	4	20	.025	9	700	6
5x5 - Intensely silicified schist, mod. to dark gray		25	↓	18	<10	.660	<1	85	90

STATE Az. COUNTY La Paz

SPECIAL INSTRUCTIONS

855583 855584

LAB NAME Au-Amselco, others-Skyline ASSAY METHOD FA-A.A.-Au; geochem at

SHIPPED FROM FIELD 1-27-85 VIA delivered RECEIVED 1/27/85 PREPPED 2/5/85

SHIPPED TO LAB 2/7/85 VIA UPS REPORTED 2/20/85 mc 2/15/85

AMSELCO EXPLORATION INC.
17602 North Black Canyon Highway
Suite 105
Phoenix, Arizona 85023

ROCK GEOCHEM.

No. R- 9531

PROJECT NAME SWPM OFFICE Yuma

PROPERTY Sugarloaf Peak GEOLOGIST T. Young

09569

SAMPLE DESCRIPTION	SAMPLE LOCATION	NO.	ASSAY RESULTS In Au-oz/t, others ppm						
			Ag	Sb	As	Te	Tl	Bi	Pb
4x4 - p.pit - Strong pyrophyllite schist, clean, v.wk lm		1	<.001	12	20	.030	<1	6	1900
4x4 - p.pit - same but w/ mod lm-jar-qtz fracs		2	↓	2	<10	.060	8	6	3400
3x3 - bleached, weak pyrophyllite schist, mod. jar fracs		3	↓	2	<10	.025	3	10	640
4x3 - lm stained schist, wk lm-jar fracs		4	↓	2	<10	<.005	1	6	410
6x4 - p.pit - strong pyrophyllite schist; mod jar stain, wk fracs		5	↓	12	20	.045	4	26	1350
Control		~~6~~	.010	—	—	—	—		
5x5 - prop. altered schist - Epidote in g.m. of rather clean schist		7	<.001	2	10	.025	<1		
5x5 - intensely silicified schist - med. gray		8	↓	12	<10	.180	<1	18	45
4x4 - same, but includes local strong bx zone; Mn (?) in matrix		9	↓	10	<10	.360	<1	70	20
4x4 - p.pit - intensely sil. schist, creamy gray, wk lm veinlets		10	↓	14	<10	.260	<1	18	35
		11							
		12							
		13							
		14							
		15							
		16							
		17							
		18							
		19							
		20							
		21							
		22							
		23							
		24							
		25							

STATE Az COUNTY La Paz

SPECIAL INSTRUCTIONS

LAB NAME Au - Amselco, others - skyline ASSAY METHOD FAAA - Ag; geochem others

SHIPPED FROM FIELD 1-27-85 VIA delivered. RECEIVED PREPPED

SHIPPED TO LAB VIA REPORTED

2 LANE
2 LANE
BM 1130
DOME ROCK INTERCHANGE
10
60
95
BM 1146
BM
Cholla
BM 1211
BM 1178
BM 1094
BM 1135
32
33
34
35
TRAIL
JEEP
PIPELINE
Prospects
Sugarloaf Peak
Prospects
3
2
La Cholla Wash
10
11
TRAIL
JEEP
1200
1160
1120
1080
1400
1600
1800
1326
1343
1432
1363
1320
1451
1309
1759
1917
1186
1544
2078
2057
1687
1828
2289
2936
1403

Impressions - Westwood Submittal 3/8/84

Don't really know what geologic environment they are in, sounds like a tectonized Tertiary volc. terrane w/ much alteration related to, above a intrusive, - have classic porph. Cu zoning.

A

No exploration or target definition model, just do geochem and drill holes.
Geochem samples not described, don't know significance
No target or rationale for drilling.
No structure to drill at
Mineralization related to oxide - sulfide boundary in phyllic altered zone. What you see is what you get!!

Lots of companies have looked at it! No takers yet.
Deal stinks. No real area or target or model defined to get grade up (increase by 3X)

B

Interesting occurrence, maybe with a structure active before or during alteration would get grade up! - Not like this here.

NORMAN E. DAUSINGER JR., E. GEOL.
9331 EAST MAGDALENA STREET • TUCSON, ARIZONA 85710 • (602) 296-5993

October 23, 1985

Mr. Clancy Wendt
Nicor Mineral Ventures Inc.
2341 S. Friebus, Suite 12
Tucson, AZ 85713

Dear Clancy:

As per our recent conversation, I am enclosing basic data on various projects as follows:

1. Sugarloaf Peak and Hillside Projects, AZ.- These projects were generated by me and are controlled by my client, Westworld, Inc. of Houston, Tx. They are available as a package or separately. Via Rich Lundin, I believe you are familiar with Hillside. I must admit that I am not overly enthusiastic about Hillside, but I believe it warrants additional testing. At Sugarloaf, in retrospect, I believe that recent drilling efforts are still essentially within the "clay cap" zone. I base this on interpretation of Kerr McGee logs of older and deeper core holes in the area with high geochem Zn values (Zn tends to be "fixed" in clays) to greater depths. Kerr McGee logs also suggest stronger silicification below this clay-Zn zone.

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SUGARLOAF PEAK PROJECT

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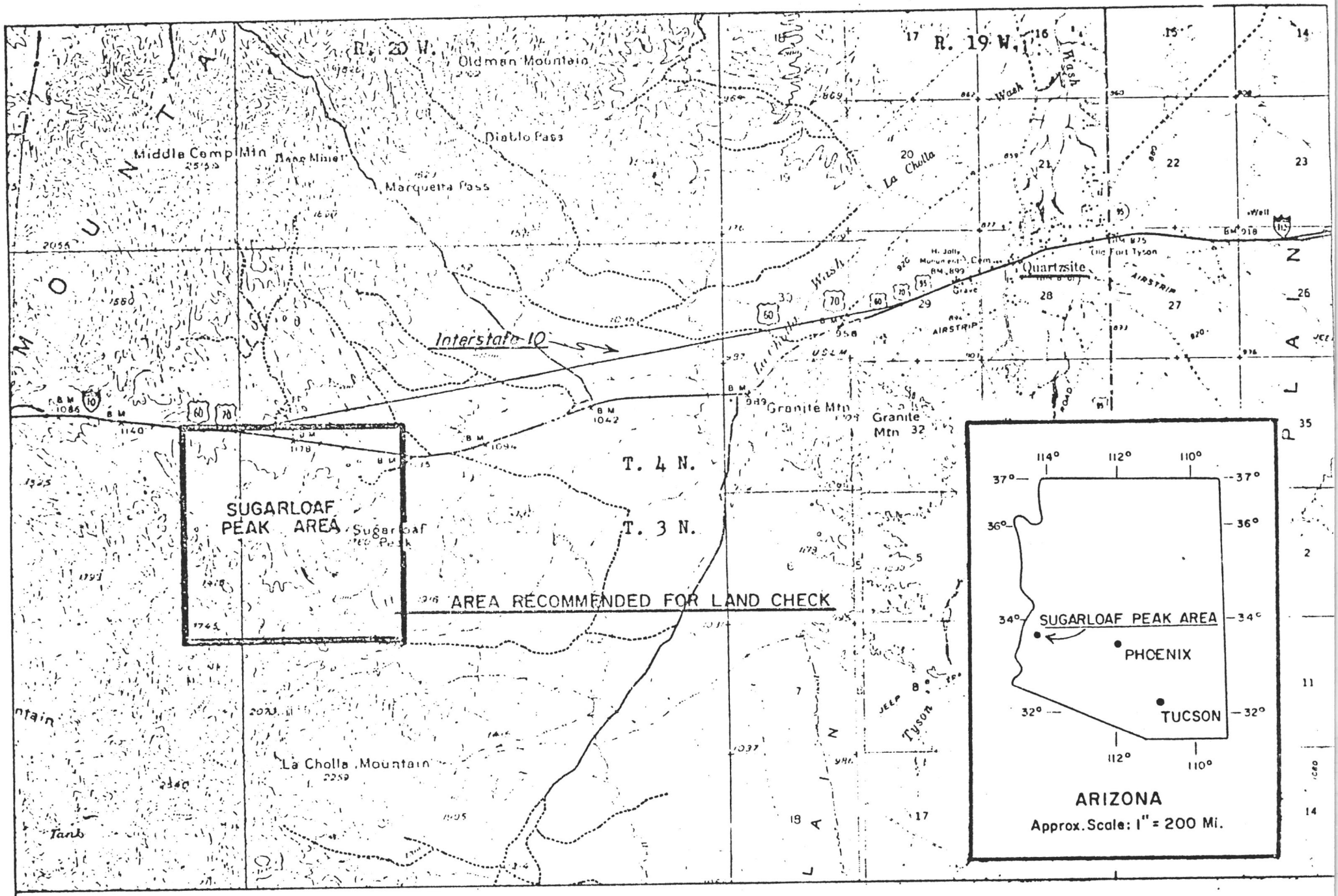
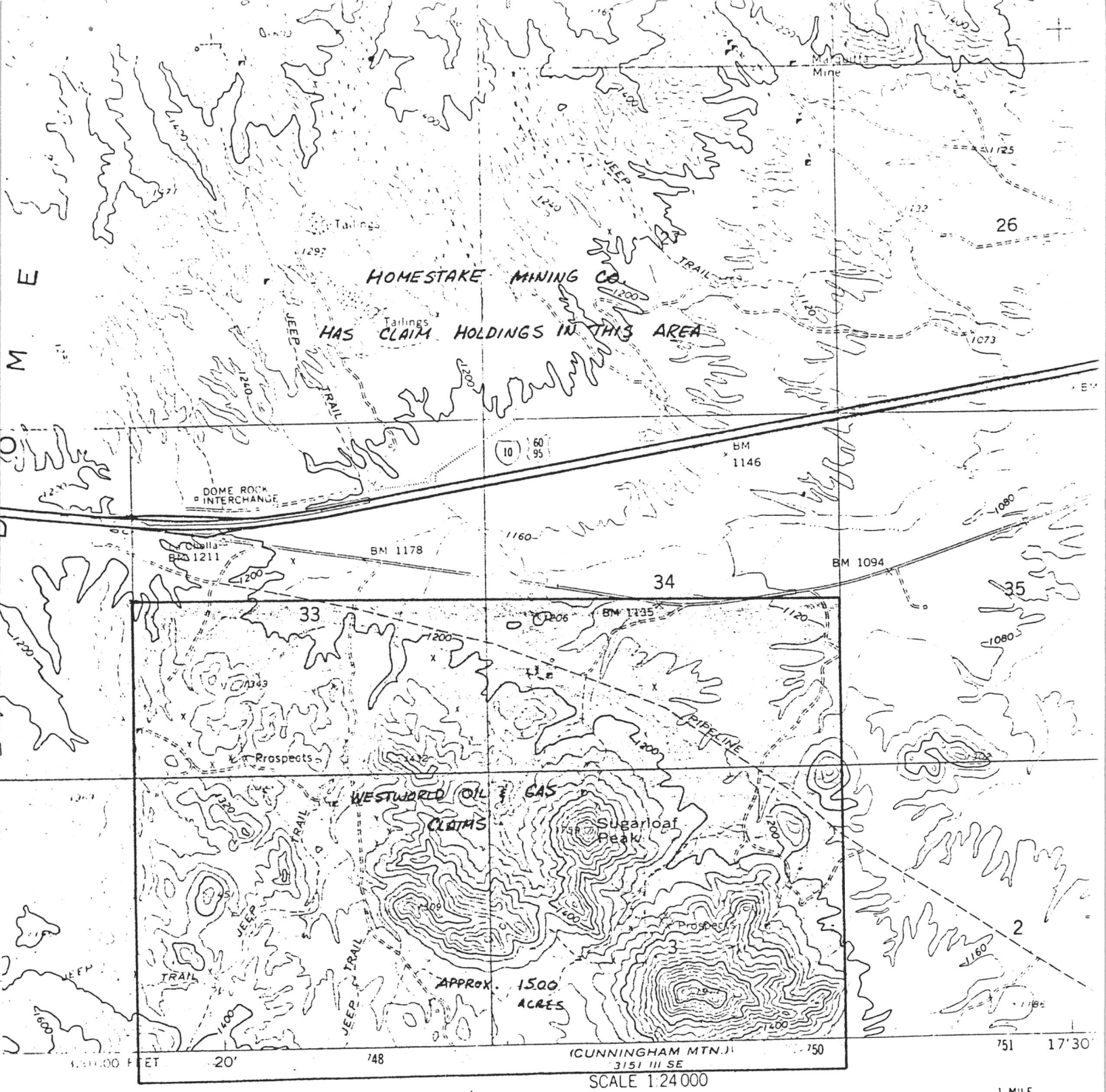


SUGARLOAF PEAK AREA, YUMA COUNTY, ARIZONA

1:62 500

KERR McGEE - 1971



SCALE 1:24 000

1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

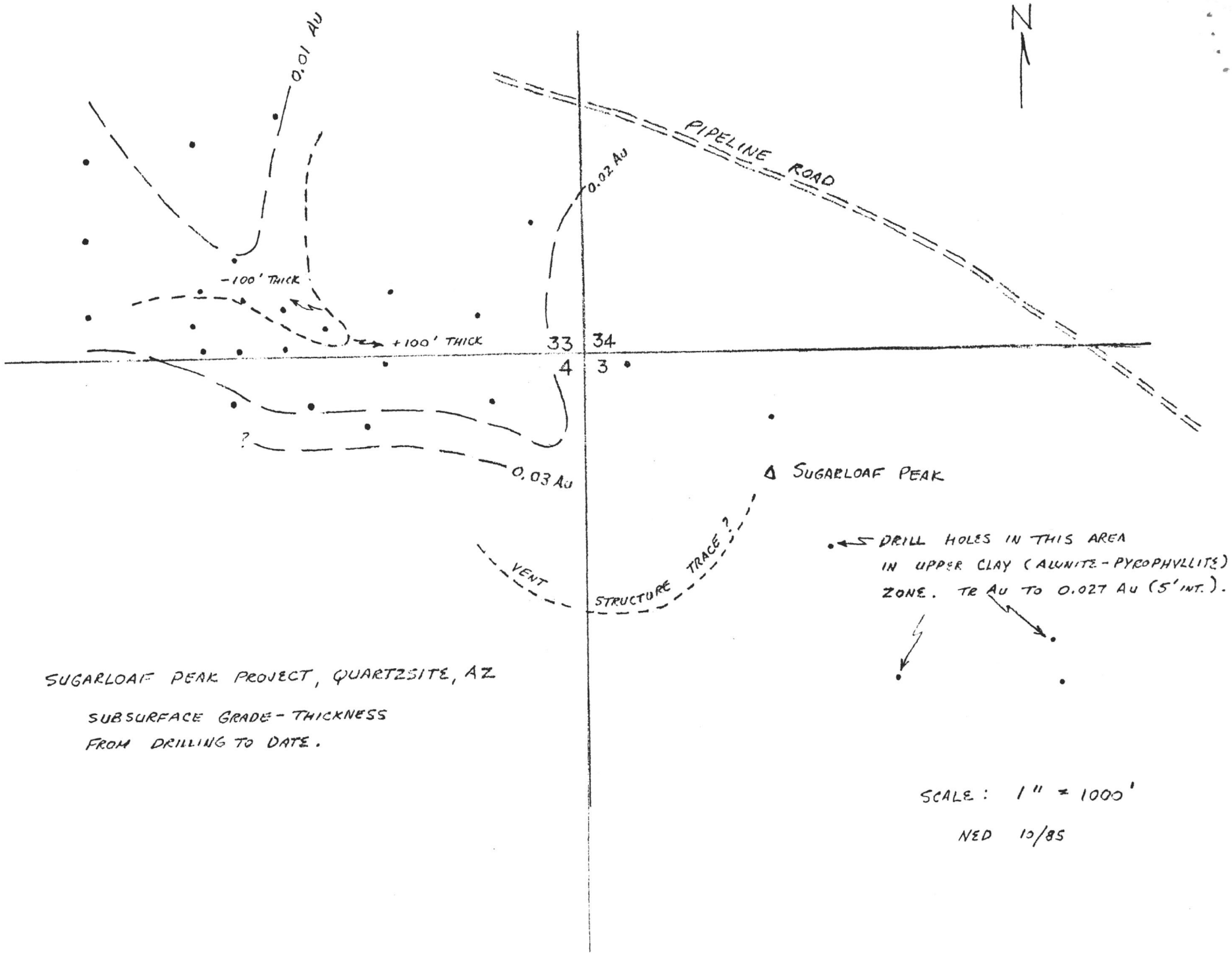
1 KILOMETER

CONTOUR INTERVAL 40 FEET
DOTTED LINES REPRESENT 20-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D. C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

SUGARLOAF PEAK, 1:24,000

N
1.



SUGARLOAF PEAK PROJECT, QUARTZSITE, AZ

SUBSURFACE GRADE-THICKNESS
FROM DRILLING TO DATE.

Geological Consultant (20 years)

- Consultant, MSRD, Southwestern U.S. and Latin America. Evaluation of mineral properties and related problems on various projects.

- Consultant, Cominco Ltd., Mexico. Evaluation of porphyry copper and precious metal exploration targets.

- Consultant, Southwestern Exploration Associates, New Mexico. Conceptual design of regional uranium exploration program.

- Consultant, Philipp Brothers, Bolivia. Preliminary groundwater investigation related to development of water supply for 500 TPD flotation mill.

- Consultant, AMAX Exploration, Sonora, Mexico. Preliminary groundwater investigation related to water supply for molybdenum project.

- Consultant, Industria Minera Mexico, S.A. (ASARCO), Mexico. Development of water supply for 500 TPD Tecolote project. Preliminary groundwater investigation - water supply for proposed 60,000 TPD El Arco project.

- Consultant, Water Development Corporation, southwestern U.S. and Latin America. Groundwater investigations for purposes of developing water supply for various industrial, agricultural, and municipal projects.

- Consultant, Industrias Peñoles, S.A. de C.V., Mexico. Conceptual design and direction of regional porphyry copper exploration program.

Exploration and Mine Manager (2 years) for mining company.
- Manager of small, high grade copper mine and gold-silver mine in Sonora, Mexico.

Engineering Assistant (2 years) for civil service.
- Water well sample analysis and data compilation, Arizona.

Previous Employers

1957-1959 - Holly Corporation (Minas de Acebo, S.A.)
1953-1954 - U.S. Geological Survey

Education

University of Arizona, Graduate studies in geology (1956).
University of Arizona, B.S. Geological Engineering (1954).

MEMBERSHIPS

Asociacion de Ingenieros de Minas, Metalurgistas y Geologos de Mexico, A.C.

Arizona Geological Society

LANGUAGES

Spanish

AWARDS

University of Arizona, Honorary Professional Degree, E. Geol. (1971).

NORMAN E. DAUSINGER, JR., E. GEOL.
GEOLOGICAL ENGINEER

SUMMARY

TWENTY EIGHT YEARS' EXPERIENCE IN EXPLORATION AND EVALUATION OF BASE METAL, PRECIOUS METAL, AND URANIUM DEPOSITS AND IN THE DEVELOPMENT OF GROUNDWATER RESOURCES IN THE WESTERN UNITED STATES, MEXICO, CENTRAL AND SOUTH AMERICA.

EXPERIENCE

GEOLOGICAL CONSULTANT (2 YEARS)

- CONSULTANT, WESTWORLD, Inc., southwestern U.S. conceptual design and direction of precious metal exploration program.

- Consultant, Mountain States Research and Development, southwestern U.S. and Latin America. Evaluation of mineral properties and related problems on various projects. Business development.

- Consultant, Hargis and Montgomery, Inc., southwestern U.S. and Latin America. Hydrogeological business development.

- Consultant, various clients, southwestern U.S. and Latin America. Evaluation of mineral properties and related problems.

Geological Engineer (2 years) Mountain States R. and D.

- Project Manager, Westworld, Inc., Bolivia. Evaluation of precious metal, bulk tonnage deposit.

- Project Manager, Molidenos y Metales, S.A., Chile. Evaluation of gold vein system, peripheral to potential porphyry copper target.

- Hydrologist, Exxon, Disputada Project, Chile. Surface water runoff studies.

- Project Manager, Minera Mexico Michoacan, S.A. de C.V., Mexico. Evaluation of ore reserves and potential resources, El Oro Mining District, Mexico.

- Staff Geologist, evaluation of mineral properties for various clients.

FEB 16 1984

TO: ALEX BISSET, NICOR, DENVER FEBRUARY 14, 1984

FROM: NORM DAUSINGER, TUCSON

RE: WESTWORLD, SUGARLOAF PEAK PROJECT, QUARTZSITE, AZ.

ASSUMING THAT YOU'LL EVENTUALLY GET A COMPLETE COPY OF THE REPORT FROM IZZO-FREEMAN, ENCLOSED PLEASE FIND THE FOLLOWING:

1. EXTRA SET OF PLATES 1 THRU 4.
2. COPY OF TEXT, TABLES AND ILLUSTRATIONS.

THE ONLY PART I HAVEN'T COPIED IS THE APPENDIX.

HOPE THIS IS SUFFICIENT FOR NOW.

Saludos,
Norm

OF THIS YEAR AND ARE SUPPOSED TO BE PREPARING A PROPOSAL FOR WESTWORLD. AMSELCO JUST CALLED ME THIS AM AND A PROPOSAL IS TO BE IN THE MAIL TODAY.

AS YOU PROBABLY KNOW, LARGE COMPANIES ARE DIFFICULT TO DEAL WITH AND ARE VERY SLOW — YOUR APPROACH TO TALK TO SMALLER, MORE AGRESSIVE FIRMS MAY BE MORE PRODUCTIVE. WESTWORLD'S PRESENT POSITION IS "FIRST COME, FIRST SERVE."

IF THERE IS A POSITIVE RESPONSE AND FOR SOME REASON YOU CANNOT CONTACT ME, THE ALTERNATIVE WOULD BE TO CONTACT WESTWORLD IN HOUSTON —

DON FRENCH, PRESIDENT OR (713) 237-0401.
BOB HOLT, VP, EXPLORATION + MINING

RE THE PORTABLE PLACER PROCESSING PLANT, I WILL REPEAT THE BASIC ITEMS:

COMPANY: INDUSTRIAS PEÑOLES, S.A. DE C.V.
(MAIN OFFICE IN MEXICO, D.F.
CAPACITY: 300 - 500 TPD.
CONTACT: ING. CARLOS LARA
TORREON, COAHUILA
AREA CODE 91-171, TEL. 3-4196.

DECEMBER 30, 1983

TO: TED IZZO, MINERAL PROJECTS, INC., AURORA, CO

FROM: NORM DAUSINGER, TUCSON

RE: WESTWORLD SUGARLOAF PEAK PROJECT, AZ, ETC.

ENCLOSED PLEASE FIND THE FOLLOWING ITEMS:

1. REPORT, "PHASE I DRILL PROGRAM AND EVALUATION OF GOLD-SILVER POTENTIAL, SUGARLOAF PEAK PROJECT, QUARTZSITE, ARIZONA", OCTOBER, 1983.

2. GENERAL OUTLINE OF TERMS SOUGHT BY WESTWORLD ON PROJECT.

3. RESUME OF MY EXPERIENCE.

YOU MAY KEEP THE REPORT FOR A REASONABLE PERIOD OF TIME, COPY SAME, BUT I WOULD LIKE IT RETURNED IN THE NEAR FUTURE. I WILL ALSO INCLUDE AN EXTRA SET OF THE 4 PLATES WHICH MAY PRESENT A PROBLEM IN COPYING FROM THE PRINTS IN THE REPORT.

SINCE STAKING OF THE CLAIMS IN NOVEMBER, 1981, THE PROPERTY HAS DRAWN THE ATTENTION OF NUMEROUS COMPANIES. AMOCO ACQUIRED AN OPTION ON A BLOCK OF CLAIMS ADJOINING WESTWORLD'S HOLDINGS ON THE WEST IN AUGUST

Sugarloaf Prospect - Westworld / Norm Dawsinger

3/26/86 Metalurgy Studies

Dawson Labs - WW2, WW9 oxide zone composite .031 hd. - 67.5%
at -200 mesh gold rec. in 48 hrs.
WW2, WW9 sulfide zone composite .036 head - 72.3%
at -200 mesh gold rec. in 48 hrs.

Heiner-Lindstrom - WW8 sulfide zone composite .018 head - 70.6
at -1/4 inch gold rec. in 48 hrs.

appears to be comparable recoveries with both sulfide and oxide zone material as well as at fine and coarse sizes with quick extraction rates.

Assaying

All assaying done on the property is by fire assay, analyses by AMSELCO, Jacobs and Skyline. Checks between Skyline and Jacobs often show divergence many times, but not consistent high or low, generally Skylines numbers are low. Compared to metallurgy numbers, Jacobs numbers are better. Probably need to run large samples due to low gold values. AMSELCO numbers are probably reliable, probably are >1 assay ton samples.

Sampling to the west on Stray Elephant gond shows uniformly low gold values - picks up dot when get on Davenport property

~~WW~~

Geochem maps show separate anomalies for Sb, Te, As, Hg on a longitudinal plank and in ~~area~~ to SE (Areas of Lots 15, 16, 17), - separate from gold, drilling of these areas also shows no gold.

Gold and silver generally coincident and fairly widespread with nested (smaller size in areal extent) zones of Hg, As, Sb, Te.
~~of The Au~~,

~~Gold~~ Gold and Silver seem to form best pathfinders for Au and Ag, of rest, Hg seems to most faithfully follow Au, Ag.

Summary: Gold, silver best for finding and leading into areas of gold, silver

Where find gold find trace elements, but where have trace elements don't often find gold.

But sampling plan is ~~somewhat~~ ~~of~~ quite irregular and not uniform, could influence results.

Area of most consistent anomalies is ~~Thang~~ is fairly thoroughly drilled (~~St Denis~~ area around, west of hill 1432)

T4N R20W 3 claims - Sec. 34

also check T4N R20W - Sec. 33, 34, 35
T3N R20W Secs 2, 3, 4

3 placer claims
D&J, Greenhorn, Quail Wash - William Harry Watson

assport work up to date

3 lode claims
Wooden Dollar 1, 2, 3 - Mighty Seven - owner - loc. 2/25/80

SP claims 11/81 located

Intro
Geology

Comparison of ~~geologic~~ alteration map w/ gold shows the argillic alteration assemblage devoid of gold as are the veinlet qtz flooded zones.

Areas of less intense sericite alteration (alteration as result of metamorphism) ~~has~~ hosts most gold value to N and W of Sugarloaf Pk.

General increase in alteration from NW to SE part of claim block.

No known controls on mineralization evident –
No mineralogic studies performed to define gold concentration

No model for ~~ore~~ possible ore zones

Reduced to "drilling anomalies"

No real interest for SE claims of Wallaby

Sid Wellhiser

Metamorphism after original alteration, similar to Carolina slate belt rx. – most ~~of~~ are ~~sedim~~ volcanic sandstones, or lithic tuffs, see qtz porphyry intrusions or flows. } Ask Hugo

relation bet. Au and qtz vnlts – that's it. – so later than rx type – epizonal?

~~Lots sheared, most rx w/~~

Of 14 smpls, 3 have > .01 opt Au, these 3 smple both porph + volc protolith, all have qtz vnlts, 2 have py, 1 is silicified. – of remaining rx. 7 have py, 1 is silicified, 3 have qtz vns.

Scattered, discontinuous intercepts in hole.

~~See suggestion for drill~~

Plate 4 of Westworld report (Goldfield samples?) have better data base for gold than ARSELCO, covers large area.

Emerging from this plate and present drill layout, further drilling in area around hole WW1 may be warranted (~~WW1~~ based on widespread Au anomalies of high level >1 ppm on grid lines. WW1 had fairly good intercepts 105' of .015 opt) Area could be extended to south towards WW-8 as well as to N, W, E. To NE area extends into conflict claims with very good Au values which has not been tested. ~~Tate~~

Total area of permissive area is ~ 2000' N-S and ~ 2500' E-W (Draw on map!)

But - area bisected by buried cables, pipelines
- problems w/ drilling?!

Check status of claims - owner of conflict.

But - additional drilling be more of same based on past drilling?! - at present are 28 holes - uniformly low grade, scattered intercepts

Color in geol. map.

Tue 4th

3 22 × 200

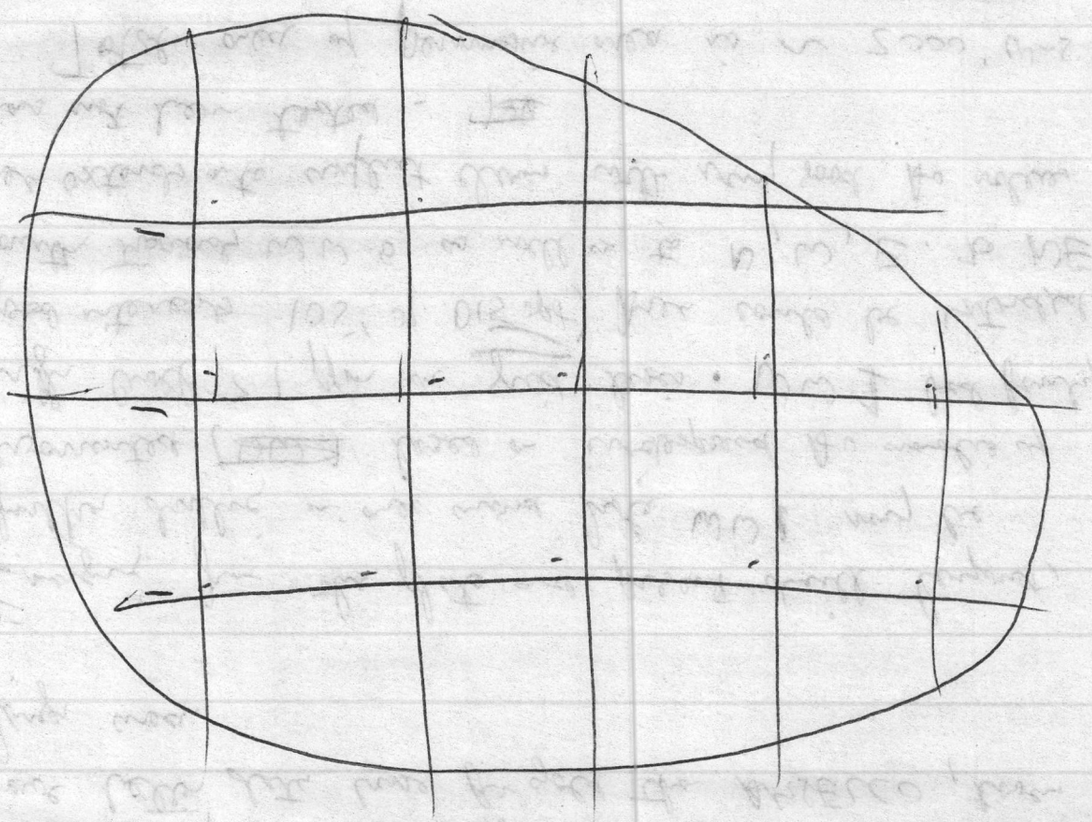
4400

5000

21,000
6,000
27,000

3000
600

$10

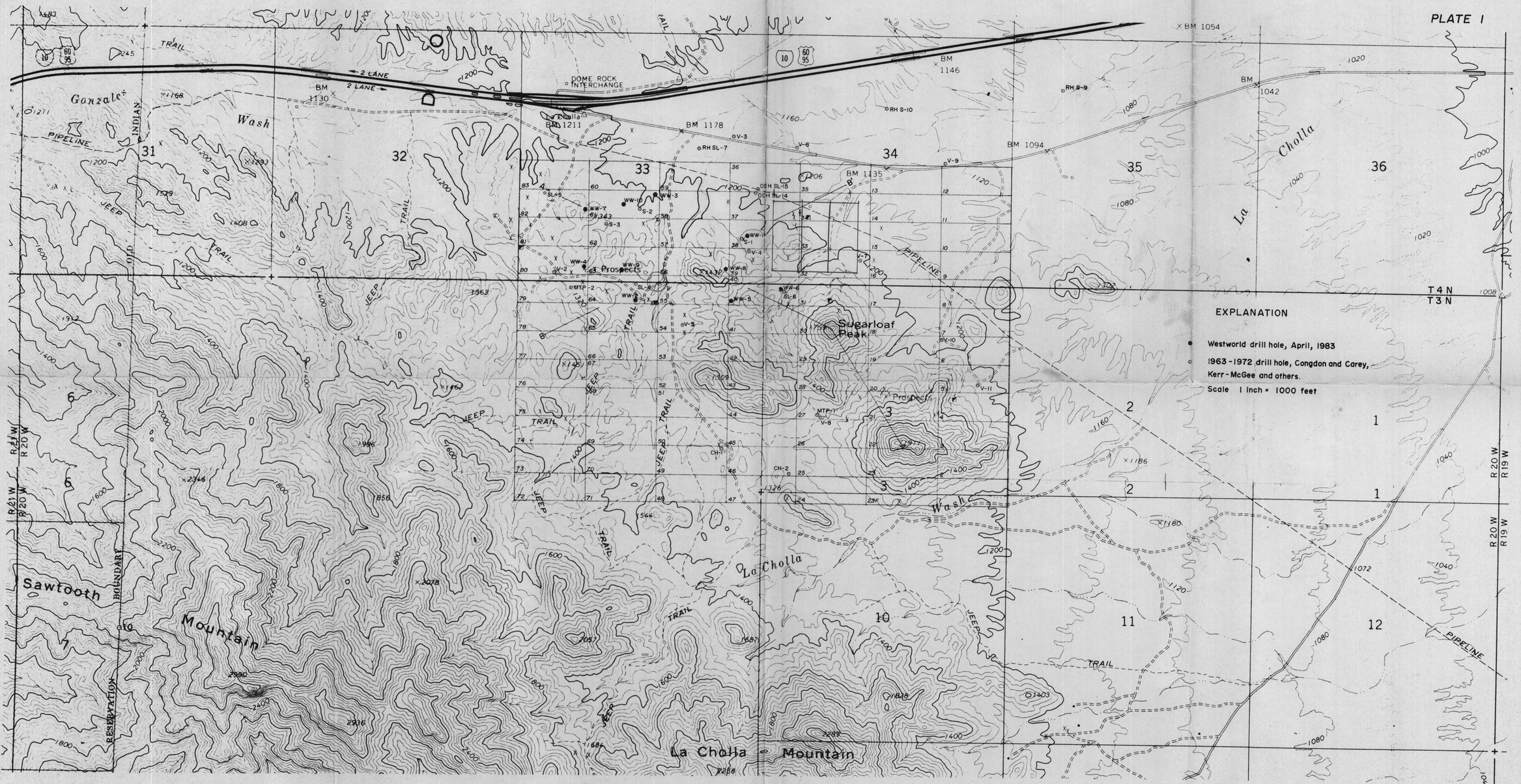


13 holes 1m 10 holes at 300' each

3000' × $5/ft.

~$20,000

PLATE I

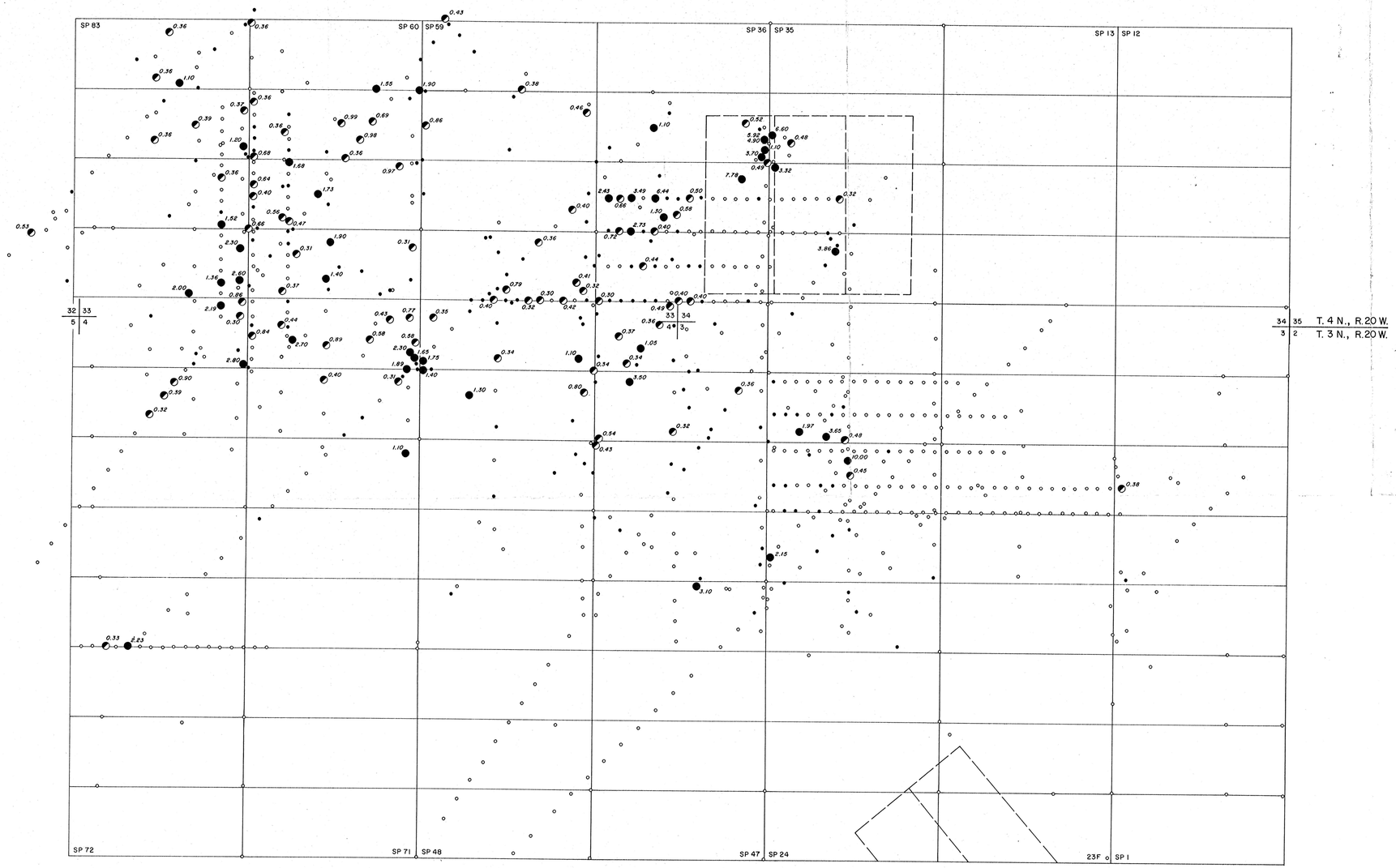


CLAIM AND DRILL HOLE LOCATION MAP, SUGARLOAF PEAK PROJECT, QUARTZSITE, ARIZONA

1000 0 1000 2000 FEET

NED, 1983

PLATE 4



EXPLANATION

ROCK CHIP SAMPLE LOCATIONS SHOWING GOLD CONTENT IN PARTS PER MILLION (PPM = GRAMS PER METRIC TON)

- 2.00 Ore grade, plus 1.00 ppm
- 0.50 Sub-ore grade, 0.30 - 0.99 ppm
- Anomalous, 0.10 - 0.29 ppm
- Essentially barren, <0.02 - 0.09 ppm

Lode claim conflicts

N

GOLD GEOCHEMICAL MAP, SUGARLOAF PEAK PROJECT
QUARTZSITE, ARIZONA

500 0 500 1000 FEET

Sugarloaf Peak - Drill Hole Intervals Greater Than 0.01 oz Au/Ton

HOLE NO.	TD	INTERVAL	/.01 GT Product	GRADE	COMMENTS
SWR - 5	340'	85'	2.21	.026	Inclined 60°
SWR - 2	400'	185'	3.89	.021	Inclined 70°
WW - 2	250'	105'	2.10	.020	Vertical Bottomed in .05 o/t.
WW - 9	250'	145'	2.90	.020	Vertical
SWR - 1	400'	135'	2.43	.018	Inclined 70°
SWR - 4	400'	140'	2.52	.018	Inclined 70°
SWR - 7	400'	150'	2.70	.018	Inclined 60°
SWR - 6	395'	100'	1.70	.017	Inclined 60°
SWR - 8	300'	25'	.43	.017	Inclined 45°
WW - 8	250'	205'	3.28	.016	Vertical
WW - 1	250'	105'	1.58	.015	Vertical
SWR - 3	400'	110'	1.54	.014	Vertical
SWR - 9	400'	35'	.49	.014	Inclined 70°
SWR - 11	400'	95'	1.24	.013	Inclined 70°
SWR - 13	300'	65'	.85	.013	Inclined 70°
WW - 4	250'	60'	.78	.013	Vertical
WW - 5	250'	130'	1.69	.013	Vertical-increase w/depth
SWR - 10	400'	50'	.60	.012	Inclined 70°
WW - 7	250'	40'	.44	.011	Vertical
WW - 3	250'	30'	.33	.011	Vertical
WW - 10	250'	75'	.83	.011	Vertical
SWR - 12	300'	5'	.05	.010	Inclined 70°
WW - 6	250'	NIL		<.010	Increased values w/depth
SWR - 14	740'	NIL		<.010	Inclined 40°, increase w/depth
SWR - 17	250'	15'	.15	.010	
SWR - 15		NIL			
16		NIL			
18		NIL			

NORMAN E. DAUSINGER JR., E. GEOL.

9331 EAST MAGDALENA STREET • TUCSON, ARIZONA 85710 • (602) 296-5993

October 23, 1985

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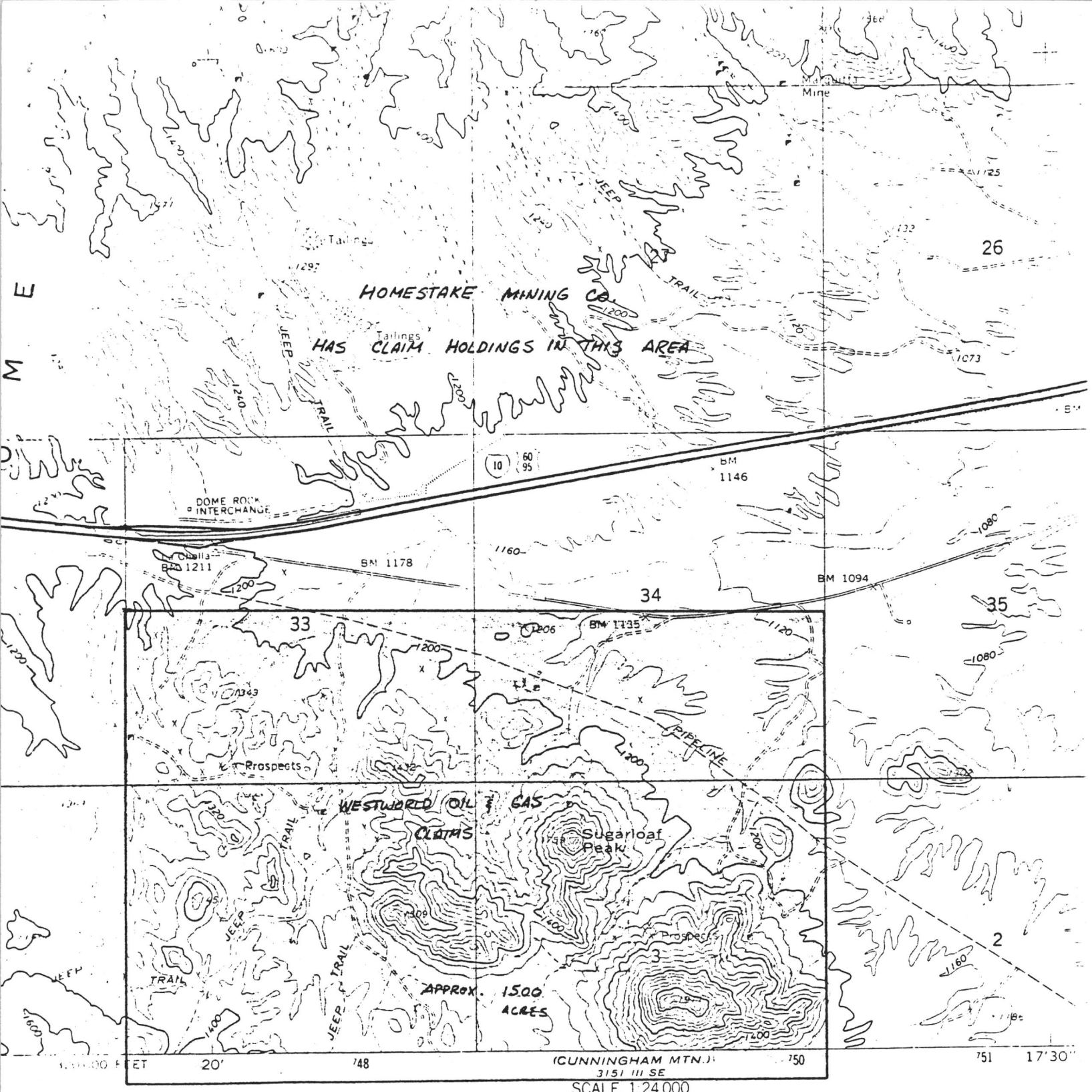

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1 MILE

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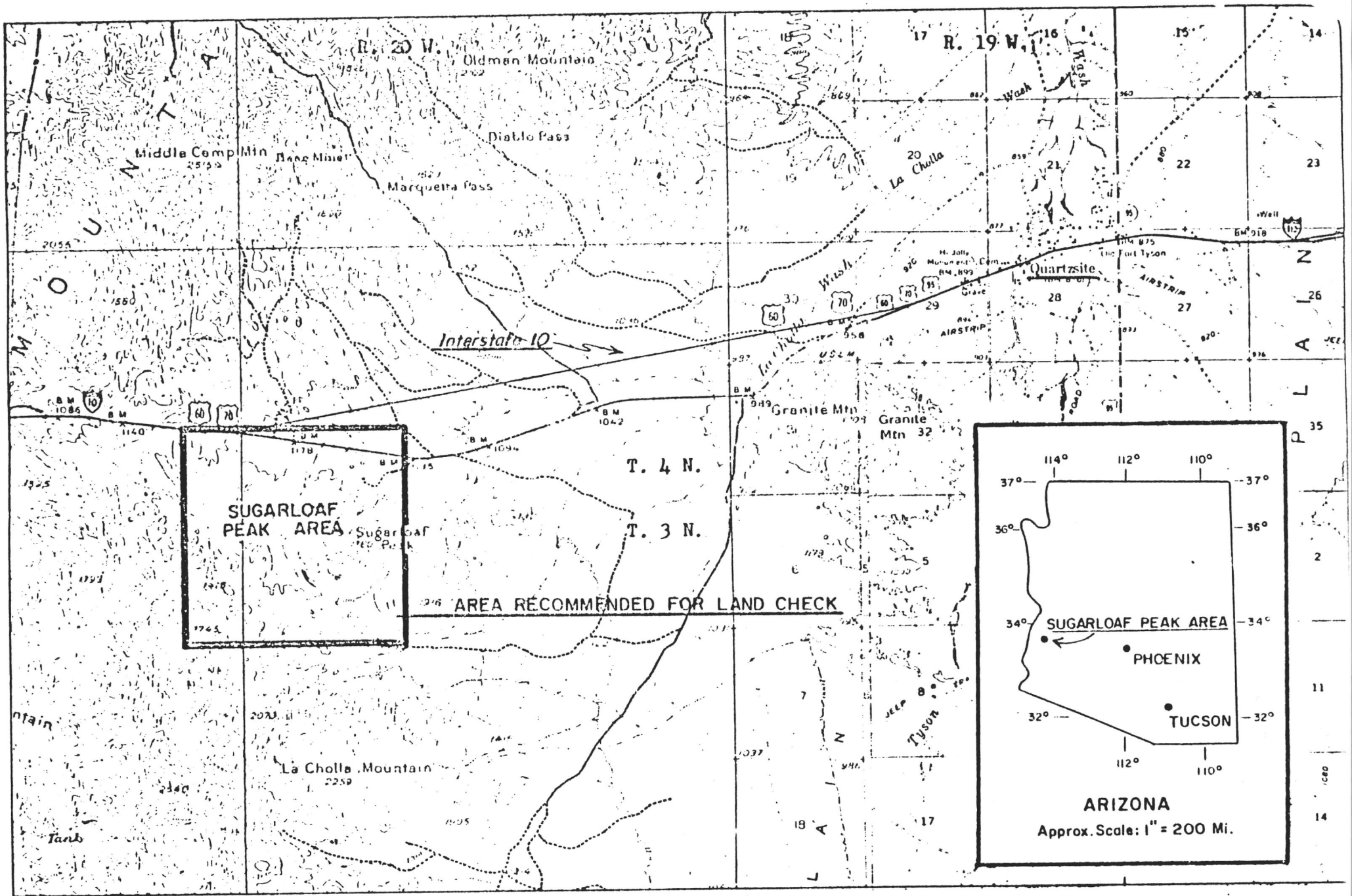
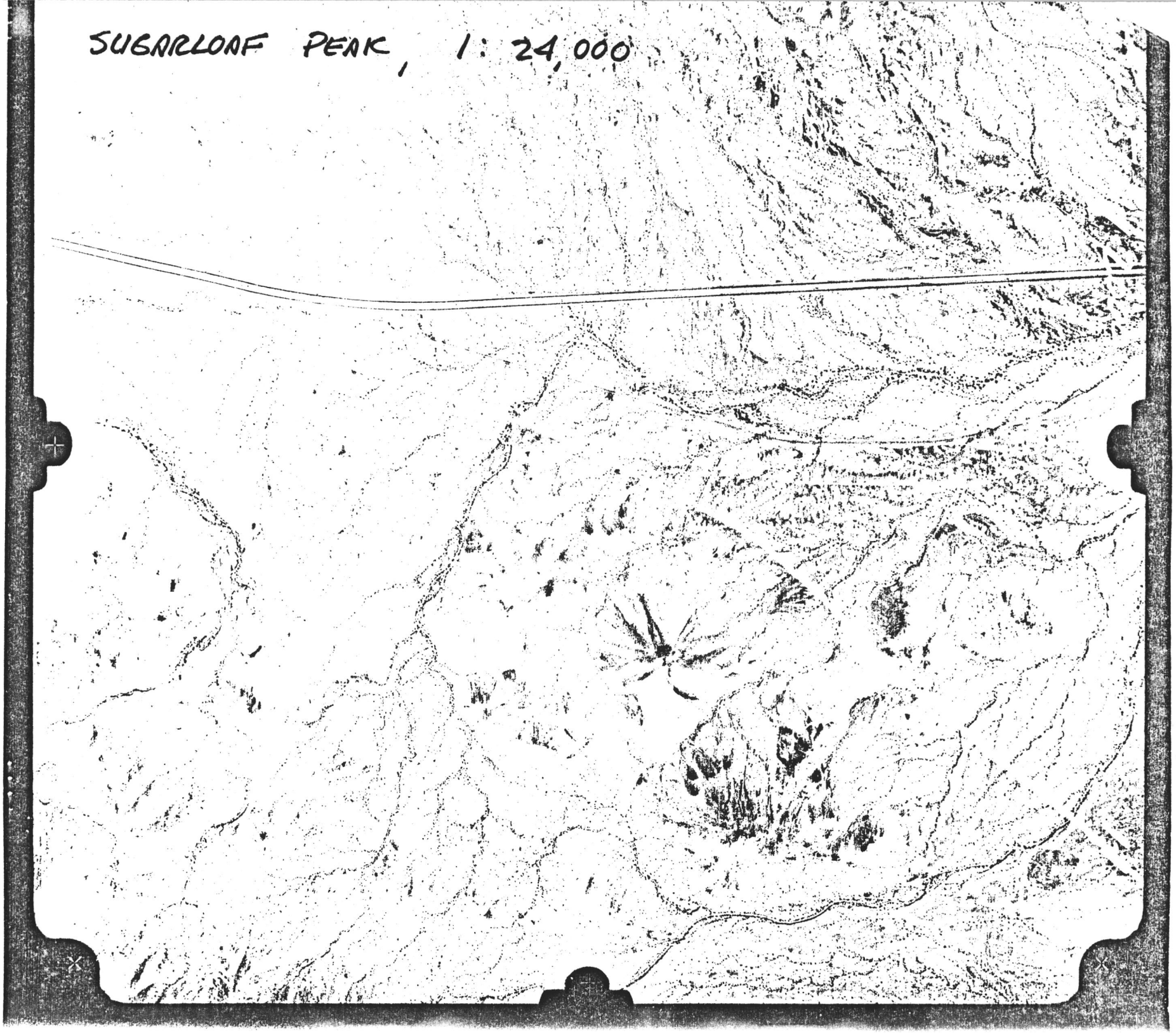


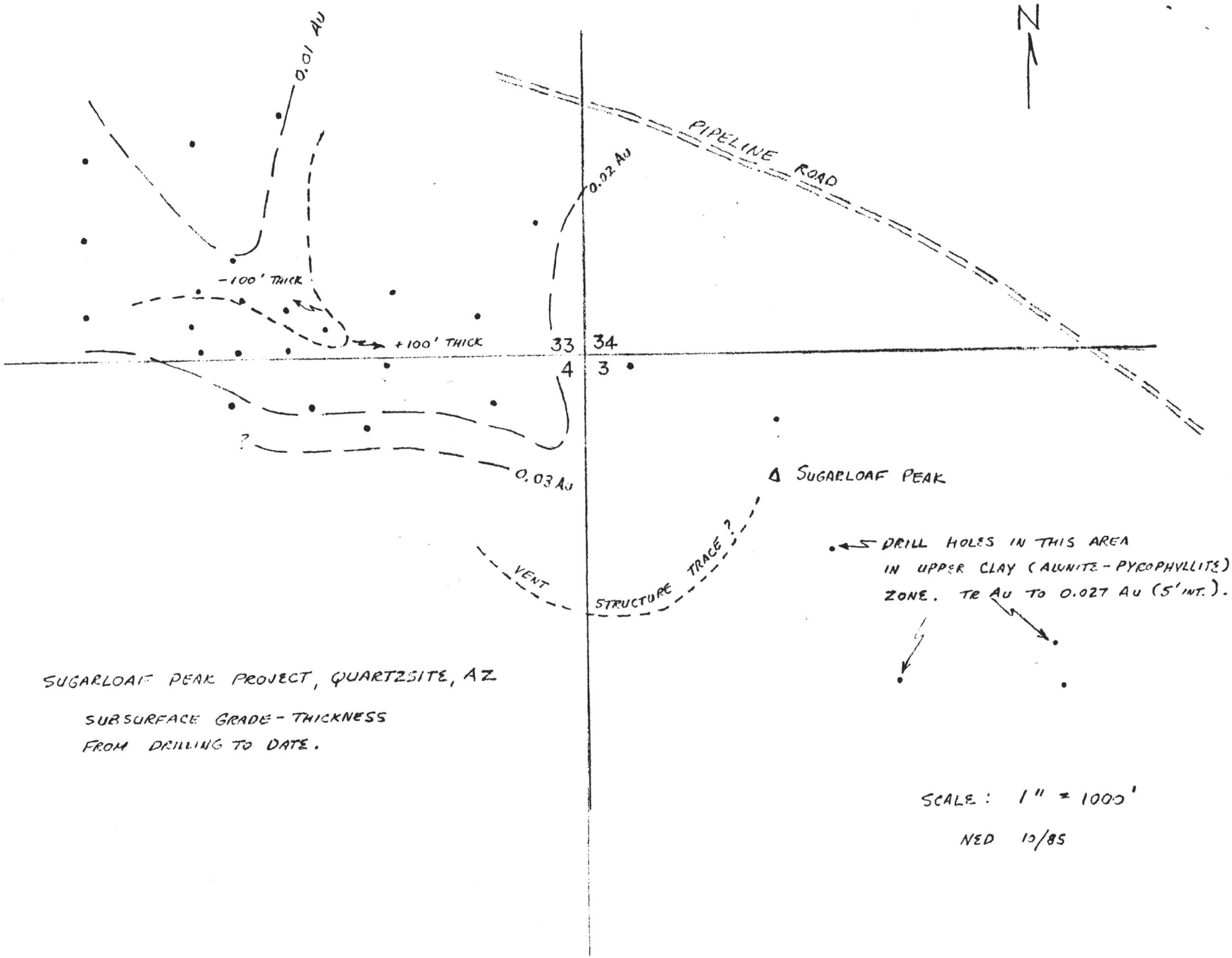
SUGARLOAF PEAK AREA, YUMA COUNTY, ARIZONA

1:62 500

KERR McGEE - 1971

SUGARLOAF PEAK, 1:24,000





SUGARLOAF PEAK PROJECT, QUARTZSITE, AZ

SUBSURFACE GRADE-THICKNESS
FROM DRILLING TO DATE.

6-19-86

CLANCY — THIS POSSIBILITY SEEMS TO CONFORM TO THE DATA TO DATE AND MAKES SOME SENSE. SHOULD BE SERIOUSLY CONSIDERED —

Norm

June 12, 1986

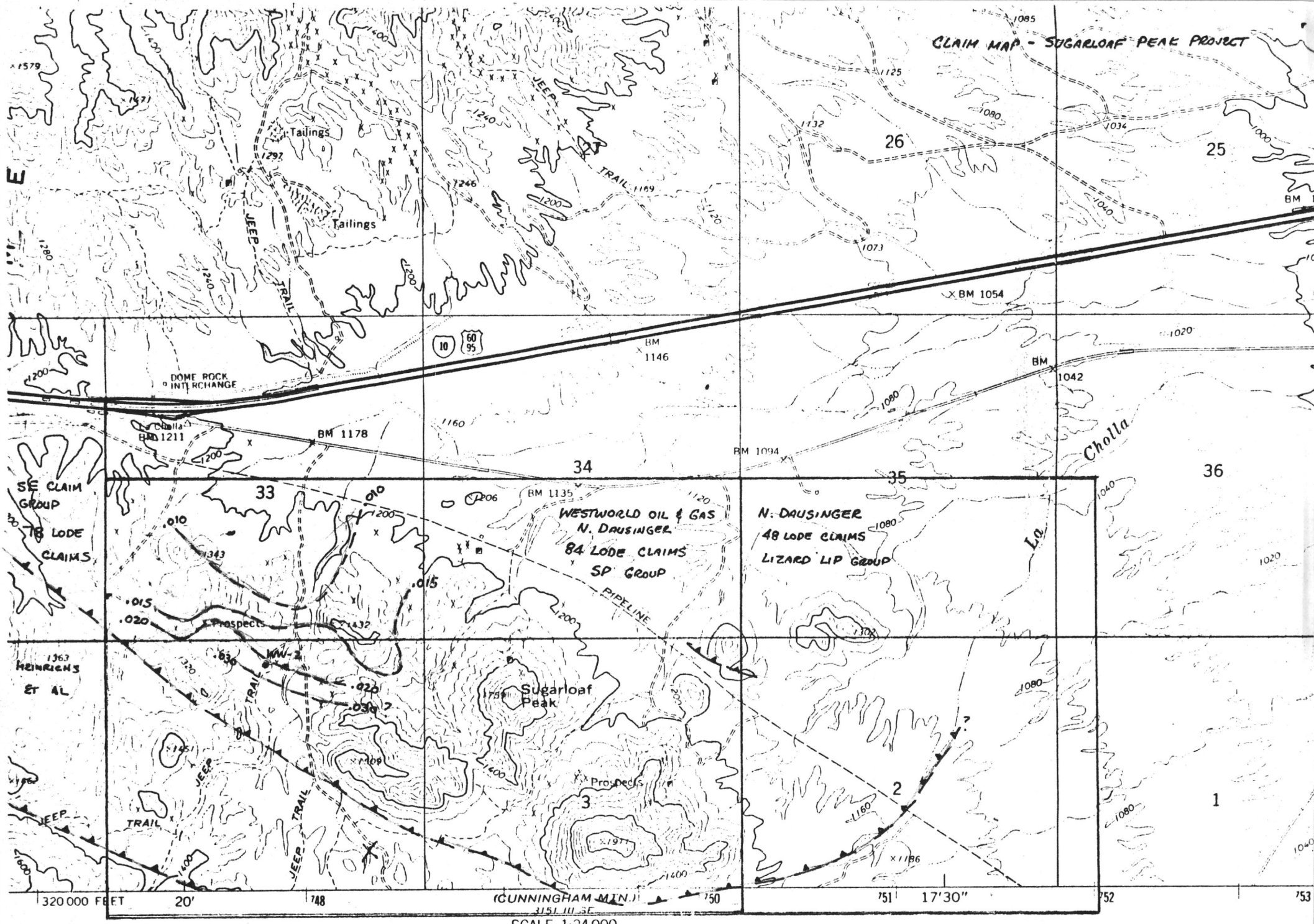
ADDITIONAL NOTE RE SUGARLOAF PEAK PROJECT, QUARTZSITE, AZ.

ATTACHED IS A SKETCH MAP OF THE BASIC CLAIM HOLDINGS INDICATING THE POSSIBLE LOW-ANGLE STRUCTURE IN THE AREA THAT HAS BEEN PROPOSED BY SEVERAL GEOLOGISTS. GOLD VALUE CONTOURS FROM THE DRILLING TO DATE ARE ALSO SHOWN.

IF THE LOW-ANGLE STRUCTURE EXISTS, THEN:

1. THE RELATIVELY SHALLOW DRILLING (28 HOLES, TOTAL OF 9075 FEET) TO DATE HAS ONLY TESTED LEAKAGE (SURFACE AU GEOCHEM ANOMALY) FROM THE STRUCTURE AT DEPTH.
2. HOLE WW-2 (VERTICAL, 250 FEET DEEP) IS THE NEAREST HOLE TO THE PROPOSED STRUCTURE AND BOTTOMED IN .05 OZ AU/T.
3. THE AU VALUE CONTOURS GENERALLY PARALLEL THE STRUCTURAL TREND. FUTURE HOLES DRILLED IN THE VICINITY OF THE STRUCTURE MAY INTERCEPT ORE-GRADE VALUES AT RELATIVELY SHALLOW DEPTHS.

U. E. Dansgin Jr.


CLAIM MAP - SUGARLOAF PEAK PROJECT
Tailings
Tailings
JEEP TRAIL
JEEP TRAIL
TRAIL 1169
DOME ROCK INTERCHANGE
10
60
95
BM 1146
BM 1054
BM 1042
BM 1178
BM 1211
BM 1094
BM 1135
Cholla
Cholla
26
25
27
34
35
36
33
1
2
3
SE CLAIM GROUP
78 LODE CLAIMS
HEINRICHS ET AL
WESTWORLD OIL & GAS
N. DAUSINGER
84 LODE CLAIMS
SP GROUP
N. DAUSINGER
48 LODE CLAIMS
LIZARD LIP GROUP
PIPELINE
Prospects
Prospects
MW-2
Sugarloaf Peak
.010
.015
.020
.030
320 000 FEET
20'
748
750
751
17'30"
752
753
(CUNNINGHAM MTN.)
SCALE 1:24 000
1 MILE
7000 FEET
1 KILOMETER

SUGARLOAF PEAK PROJECT

Quartzsite, Arizona

LOCATION: Approximately 6 miles west of Quartzsite and 0.5 miles south of I-10. Eighty-four lode claims (1680 acres), controlled by Westworld Inc. of Houston, within S½ sections 33,34,T4N,R20W, and sections 3,4,T3N,R20W. Joint ventured with AMSELCO from June 1984 to October 1985. Evaluated by Congdon Carey and Kerr McGee, 1962-1973, for deep porphyry copper potential.

DESCRIPTION: Metavolcanic complex. Metamorphism is post-mineral and possibly remobilized precious metal mineralization along major structures that are now healed and obscured by the metamorphism. Recent drilling (1983-1985) suggests a diffusion of gold mineralization to the NW from a possible source in the vicinity of Sugarloaf Peak. Prior drilling logs (1962-1971, up to 2000 foot depths) indicate a clay-alunite "cap" thickening in a similar direction, NW to SE, toward Sugarloaf Peak with increasing silicification at depth.

Surface geochem Au anomaly (0.10 ppm to 10.0 ppm) measures on the order of 4000 by 6000 feet.

The recent wide-spaced and shallow drilling (28 holes, total of 9075 feet) indicates 200 million tons containing about 3 million ounces gold and 50 million ounces silver or 1 million plus ounces gold in about 50 million tons along the southeastern margins of the zone tested to date (not ore, but area is large and warrants additional and deeper drilling). This drilling also suggests that grade, thickness and continuity of mineralization increases to the south and east which is open laterally and at depth for additional test drilling.

In preliminary fashion, AMSELCO also considered the industrial potential of widespread pyrophyllite deposits in the area.

AVAILABLE DATA: Kerr McGee data, 1971-1973.
Phase I evaluation data, 1983.
AMSELCO assay-drilling results, 1984-1985 (additional data are pending from AMSELCO).
Miscellaneous data, including prelim metallurgical tests.

10/85

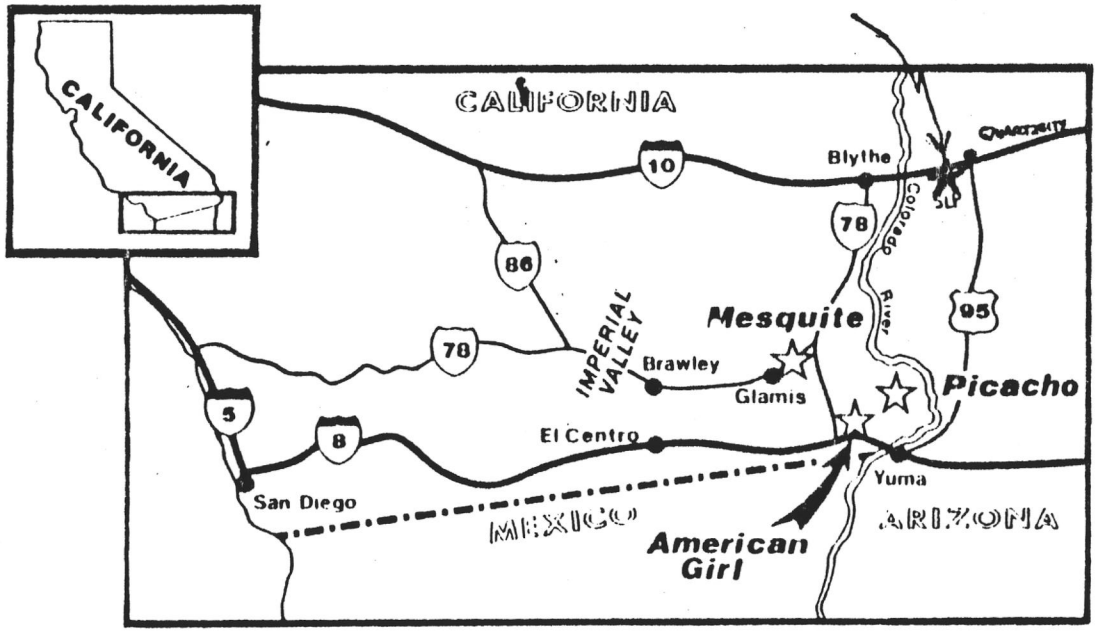
MESQUITE REGION

Over 200 years ago, Indian stories of gold lured Spanish explorers into what is now eastern Imperial County, California. Ancient mine workings near the Colorado River just north of Yuma are thought to date from this period. Prospecting intensified with the onset of the California gold rush in 1849. During the next ninety years, dozens of small gold deposits were discovered and worked in the mountainous areas east of the Imperial Valley.

Prospectors have recently returned to many of these old mining areas. In 1981, Gold Fields discovered a significant low-grade gold deposit in the Mesquite District and has continued exploration for additional reserves. Within a twenty-mile radius of Mesquite, exploration by other mining companies has resulted in the discovery of the American Girl gold deposit by Newmont Mining Corporation and in the development of the Picacho open pit, heap leach operation by Chemgold, Inc. (see map).

All three of these new gold deposits contain very fine gold rarely visible to the naked eye. Their development is made possible by an increase in the gold price and by recent advances in metallurgical technology that facilitate the treatment of low-grade gold ores.

SUGARLOAF PEAK PROJECT



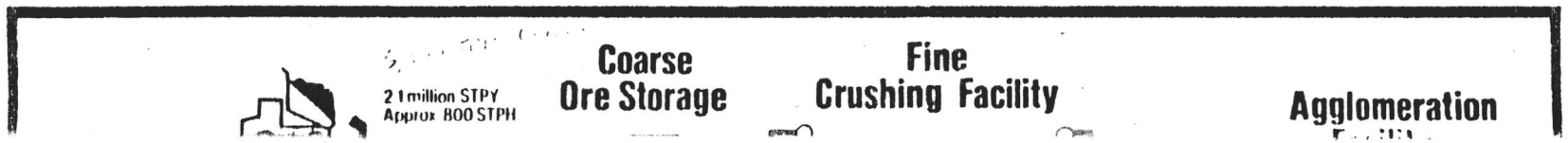
MESQUITE OPERATION

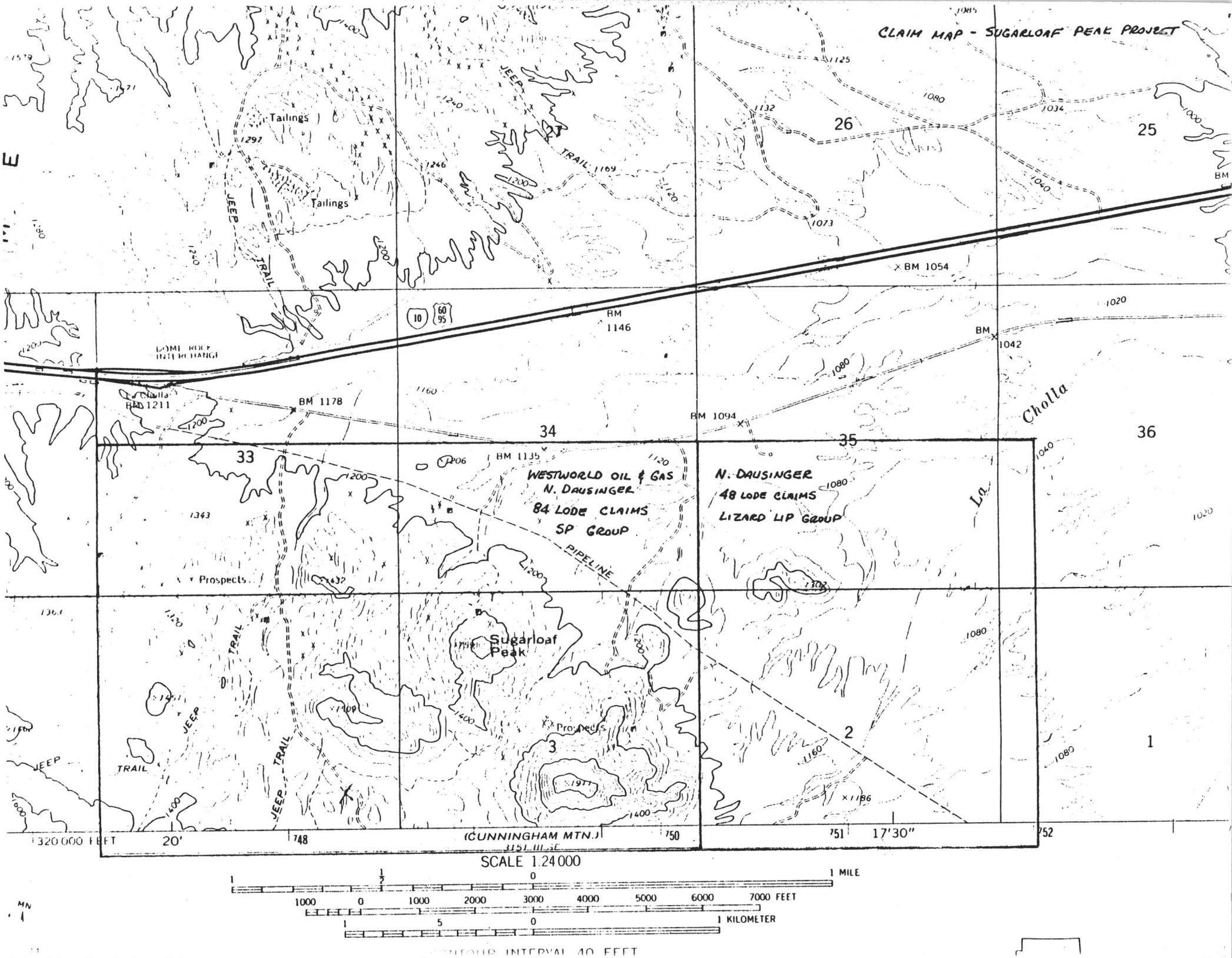
Gold Fields intends to construct and operate a relatively large open pit, heap leach gold mining operation at Mesquite.

Gold ore will be transported from the mine by trucks and fed into crushers where rocks up to three feet in diameter will be reduced to fragments less than ⅜" in size. The crushed ore will be heaped carefully onto impervious pads and then sprayed with a weak cyanide solution to dissolve the gold. This process is known as "heap leaching".

The gold-bearing "pregnant" solution will flow by gravity from the ore heaps and be pumped through a series of adsorption towers packed with activated carbon granules. The carbon will remove the gold from the pregnant solution which will be brought back to its original chemical composition and returned to the leach pads to pick up more gold as part of a continual closed circuit system.

The gold deposited on the carbon will be stripped from the carbon granules by a hot caustic solution. The rich, gold-bearing caustic solution will be piped through electrolytic cells where the gold will ultimately plate out as thin flakes of gold foil. The flakes will be melted in a furnace to form "dore" bars which will be transported by armored car to an outside refinery for purification and marketing.




CLAIM MAP - SUGARLOAF PEAK PROJECT
Tailings
Tailings
JEEP TRAIL
JEEP TRAIL
26
25
BM 1054
BM 1146
BM 1042
DOME ROCK INTERCHANGE
BM 1211
BM 1178
BM 1094
34
35
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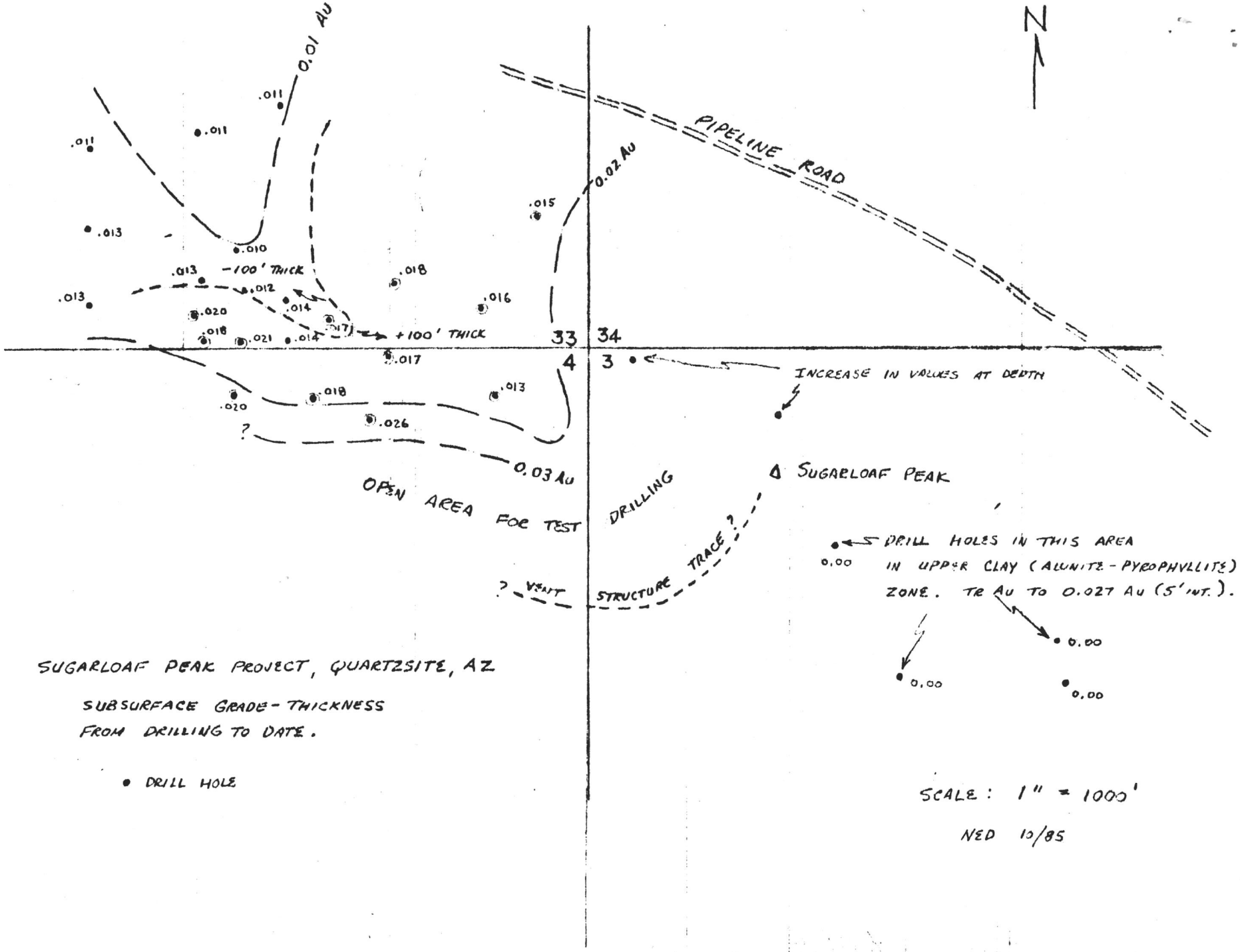
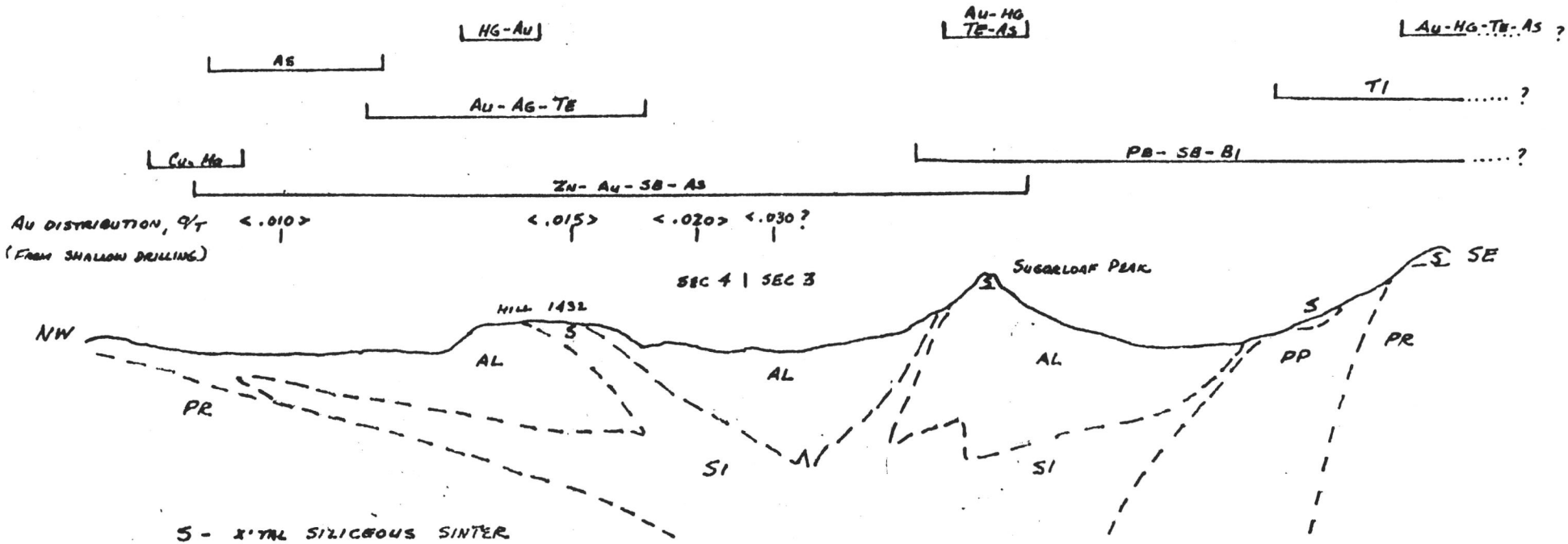
WESTWORLD OIL & GAS
N. DAUSINGER
84 LODE CLAIMS
SP GROUP
N. DAUSINGER
48 LODE CLAIMS
LIZARD LIP GROUP
PIPELINE
Prospects
Sugarloaf Peak
Prospects
2
3
1
La Cholla
JEEP TRAIL
JEEP TRAIL
JEEP TRAIL
1320 000 FEET
20'
748
(CUNNINGHAM MTN.)
750
751
17'30"
752
SCALE 1:24 000
1 MILE
7000 FEET
1 KILOMETER
CONTOUR INTERVAL 40 FEET


N
0.01 AU
0.02 AU
0.03 AU
PIPELINE ROAD
-100' THICK
+100' THICK
33
34
4
3
INCREASE IN VALUES AT DEPTH
SUGARLOAF PEAK
OPEN AREA FOR TEST DRILLING
? VEIN STRUCTURE TRACE ?
DRILL HOLES IN THIS AREA IN UPPER CLAY (ALUNITE-PYROPHYLLITE) ZONE. TR AU TO 0.027 AU (5' INT.).
0.00
SUGARLOAF PEAK PROJECT, QUARTZSITE, AZ
SUBSURFACE GRADE-THICKNESS FROM DRILLING TO DATE.
• DRILL HOLE
SCALE: 1" = 1000'
NED 10/85

SURFACE GEOCHEM DISTRIBUTION - GROUPING



S - X'TAL SILICEOUS SINTER
AL - ALUNITE ZONE - CLAY CAP (CLAYS, SERICITE, JAROSITE, PYRITE, LOW GRADE AU)
SI - SILICA ZONE (HIGHER GRADE AU ?)
PP - PYROPHYLLITE ALTERATION
PR - PROPYLITIC ALTERATION

SCALE: 1" = 1000'

SCHEMATIC REPRESENTATION OF SUGARLOAF PEAK AREA
QUARTZSITE, ARIZONA

N. DAUSINGER
2/86

NORMAN E. DAUSINGER JR., E. GEOL.
9331 EAST MAGDALENA STREET • TUCSON, ARIZONA 85710 • (602) 296-5993

February 19, 1986

Sugarloaf Peak Project--Review Notes

1. AMSELCO terminated the JV agreement on September 26, 1985. Data package from AMSELCO was received on February 8, 1986. Tom Young, AMSELCO project geologist, believes that if AMSELCO had not had a ± 50% exploration - personnel cutback in August, 1985, they would still be involved and still are having second thoughts. Young is agreeable to discuss the project with interested parties and thinks there are a number of untested targets in the area (Tel.-Reno 827-2270). Future efforts will require "guts" and imagination (more and deeper drilling) to thoroughly test the large precious metal system.

2. The project consists of 84 lode claims (SP Group, 1680 acres) and 48 lode claims (Lizard Lip Group, 960 acres), the latter originally filed by AMSELCO and recently quitclaimed back to the project.

3. Sugarloaf may have "world class" potential; at this stage of exploration it compares favorably to Mesquite before Gold Fields involvement and to Rochester (Nevada), Montana Tunnels and Rio Tinto's Morro do Ouro project in Brazil. Accumulated geochem, assay and metallurgical data suggest possible Ag, Zn, and Pb credits in addition to Au values in the system.

4. The initial widely-spaced drill holes (WW1 thru 10, all vertical to 250-foot depths, April 1983) indicated about 100 million tons containing about 1.5 million ounces of Au and 25 million ounces of Ag.

5. AMSELCO's Phase I drilling program (SWR 1 thru 14, Nov-Dec, 1984) essentially checked the WW drilling and improved the initial results to some degree.

6. The overall results indicate about 50 million tons containing 1 million ounces of Au along the southern margins of the area tested to date (open to south, east, and at depth). The area south of WW-2 (bottomed in 0.05 O/T Au) and SWR 4 and 5, presents a relatively shallow exploration target.

7. AMSELCO's Phase II drilling (SWR 15 thru 18) were drilled on a trace element anomaly southeast of Sugarloaf Peak (to depths of 200-250 feet). These holes were drilled in the upper "clay-pyrophyllite cap" and results were negative.

8. Results to date suggest a diffusion of Au values to the northwest from a source at depth in the vicinity of Sugarloaf Peak or perhaps from a number of sources further east of Sugarloaf Peak. Continuity, grade and thickness of Au values increase toward Sugarloaf Peak from the northwest as does the thickness of the "clay cap". Holes in the vicinity of Sugarloaf Peak (WW 5 and 6, SWR-14) show a gradual increase of Au values with depth. A future hole located in the central part of SP claim No. 41 and drilled to 500-1000 foot depths would possibly test the "clay cap" and increasing silicification-Au values at depth (as would deepening of WW-5).

9. Logs of the older core holes (Congdon Carey-Kerr McGee 1963-1973, S-1, S-2, SL-4, SL-6) show strong geochem values of Zn (1000 to 4700 ppm) to 250-foot depths (S-2) and 700-foot depths (SL-6). Zn tends to be "fixed" in clays and may define the "clay clap". Logs of these holes (TD, 700 to 2000 feet) also indicate increasing silicification with depth.

10. The effect of post-mineral metamorphism on this large precious metal system is difficult to judge. Did metamorphism diffuse pre-existing Au concentrations or did it remobilize Au and concentrate it along structures that are now "healed" by metamorphism? The compilation of geochem data by AMSELCO indicates an original near surface epizonal "hot springs" environment as does widespread alunite. Geochem concentrations of Hg, Te, Au and As are generally found in recrystalized, siliceous "cap" rocks at higher elevations, interpreted as siliceous residue-sinter in origin.

11. Reports of significant Pt occurrences in the area (U.S.G.S., 1943) remain a mystery.

N.E. Dausinger, Jr.

N.E. Dausinger, Jr.

Sugarloaf Peak - Drill Hole Intervals Greater Than 0.01 oz Au/Ton

HOLE NO.	TD	INTERVAL /.01	GRADE	COMMENTS
SWR - 5	340'	85'	.026	Inclined 60°
SWR - 2	400'	185'	.021	Inclined 70°
WW - 2	250'	105'	.020	Vertical Bottomed in .05 o/t.
WW - 9	250'	145'	.020	Vertical
SWR - 1	400'	135'	.018	Inclined 70°
SWR - 4	400'	140'	.018	Inclined 70°
SWR - 7	400'	150'	.018	Inclined 60°
SWR - 6	395'	100'	.017	Inclined 60°
SWR - 8	300'	25'	.017	Inclined 45°
WW - 8	250'	205'	.016	Vertical
WW - 1	250'	105'	.015	Vertical
SWR - 3	400'	110'	.014	Vertical
SWR - 9	400'	35'	.014	Inclined 70°
SWR - 11	400'	95'	.013	Inclined 70°
SWR - 13	300'	65'	.013	Inclined 70°
WW - 4	250'	60'	.013	Vertical
WW - 5	250'	130'	.013	Vertical-increase w/depth
SWR - 10	400'	50'	.012	Inclined 70°
WW - 7	250'	40'	.011	Vertical
WW - 3	250'	30'	.011	Vertical
WW - 10	250'	75'	.011	Vertical
SWR - 12	300'	5'	.010	Inclined 70°
WW - 6	250'	NIL	<.010	Increased values w/depth
SWR - 14	740'	NIL	<.010	Inclined 40°, increase w/depth

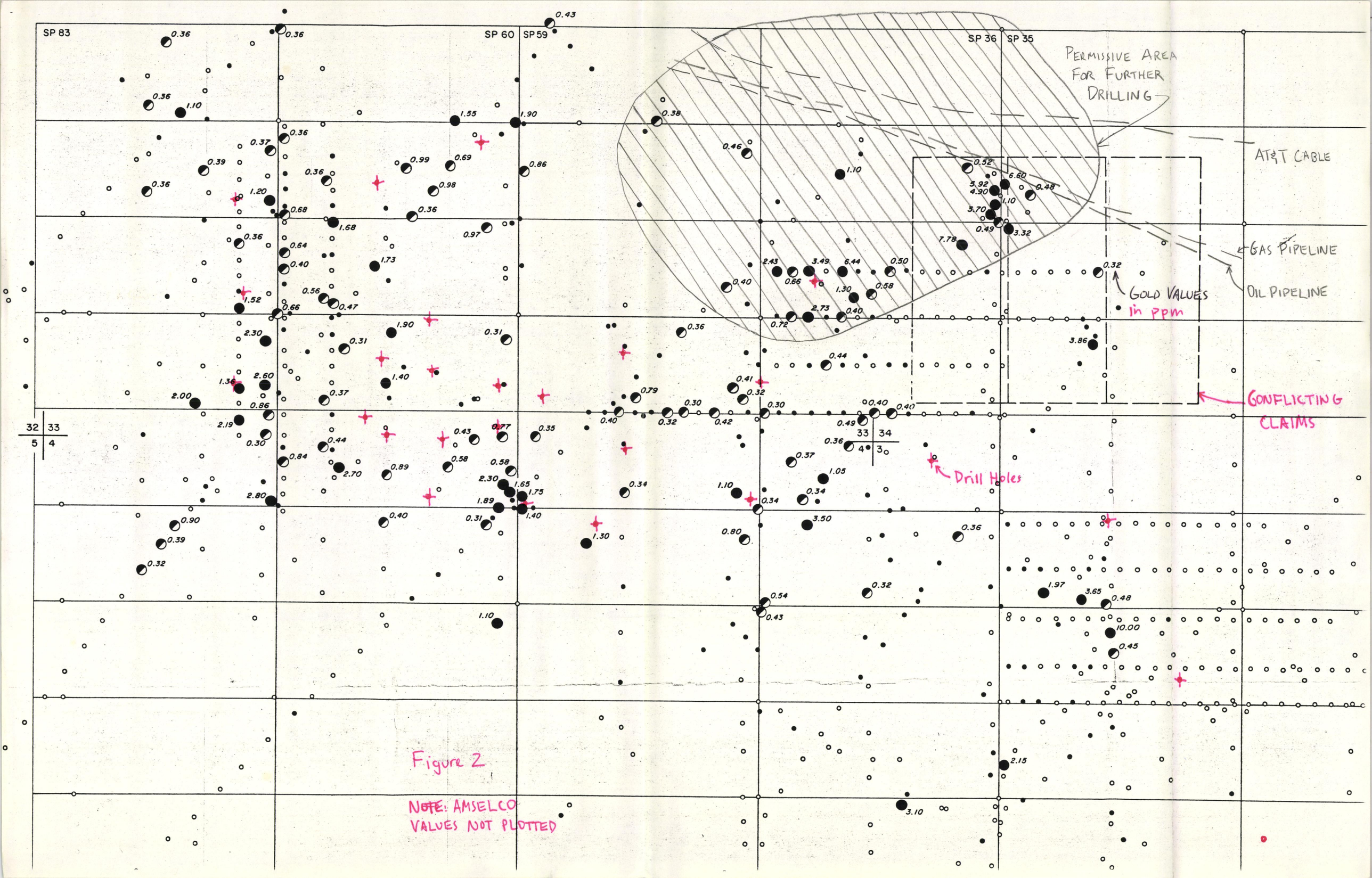
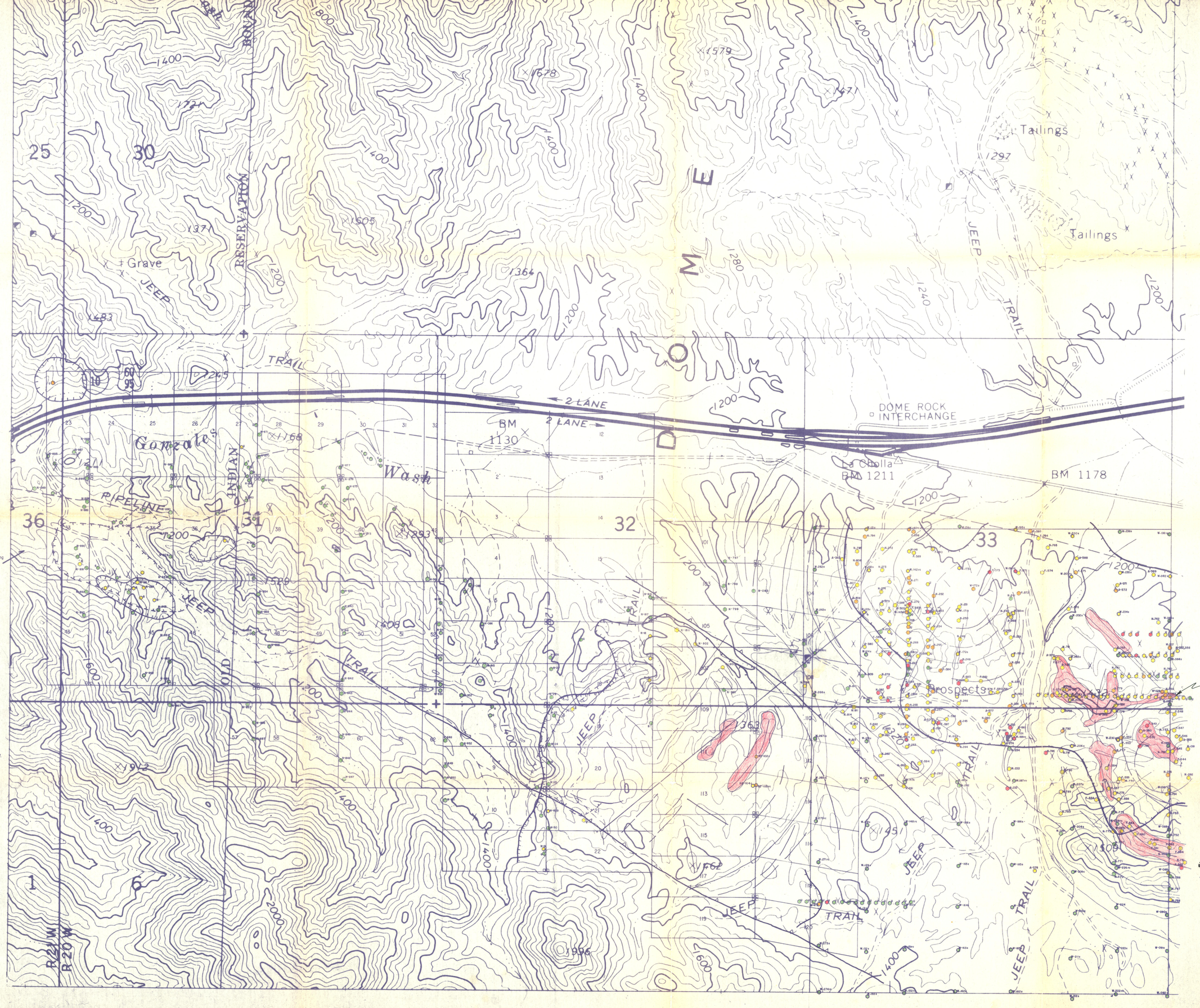
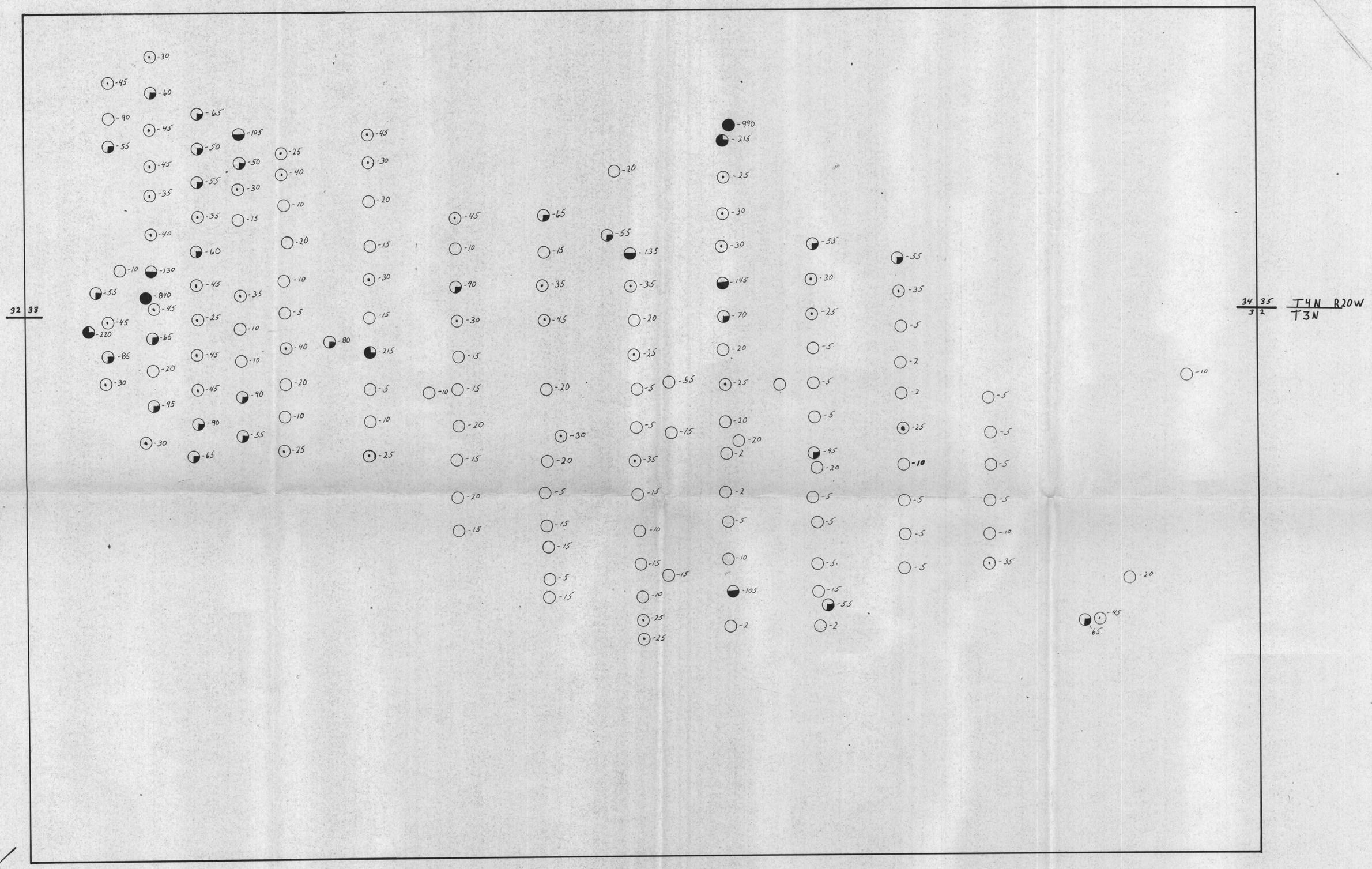

SP 83
SP 60
SP 59
SP 36
SP 35
PERMISSIVE AREA FOR FURTHER DRILLING
AT&T CABLE
GAS PIPELINE
OIL PIPELINE
GOLD VALUES in ppm
CONFLICTING CLAIMS
Drill Holes
32 33
5 4
33 34
4 3
NOTE: AMSELCO VALUES NOT PLOTTED

Figure 2


Tailings
Tailings
Grave
JEEP
TRAIL
RESERVATION
BOUND
2 LANE
2 LANE
DOME ROCK INTERCHANGE
BM 1130
La Cholla
BM 1211
BM 1178
Gonzales
Wash
INDIAN
PIPELINE
OLD
Prospects
AZ Prospecting Permit No.8380
R 21 W
R 20 W
Red areas represent zones of high silica & pyrite alteration.
N
11/23/82
SE CLAIM GROUP
YUMA COUNTY-ARIZONA
SCALE 1"=500'
DEC 7 1982
EXPLANATION
LOCATION MONUMENT
SAMPLE SITES
AÑOMALOUS GOLD ZONES
ANOMALOUS COPPER ZONES
LOW ANGLE FAULT
LINEAR STRUCTURES
<0.02 to 0.02 ppm Au
0.03 to 0.29 ppm Au
0.30 to 0.99 ppm Au
>1.0 ppm Au
WALLABY ENTERPRISES INC.



Samples by NEWMONT EXPLORATION LTD. Rock Chip Sample - ppm Cu

Symbols

- 0-24 ppm Cu
- 25-49 ppm Cu
- 50-99 ppm Cu
- 100-199 ppm Cu
- 200-499 ppm Cu
- ≥ 500 ppm Cu

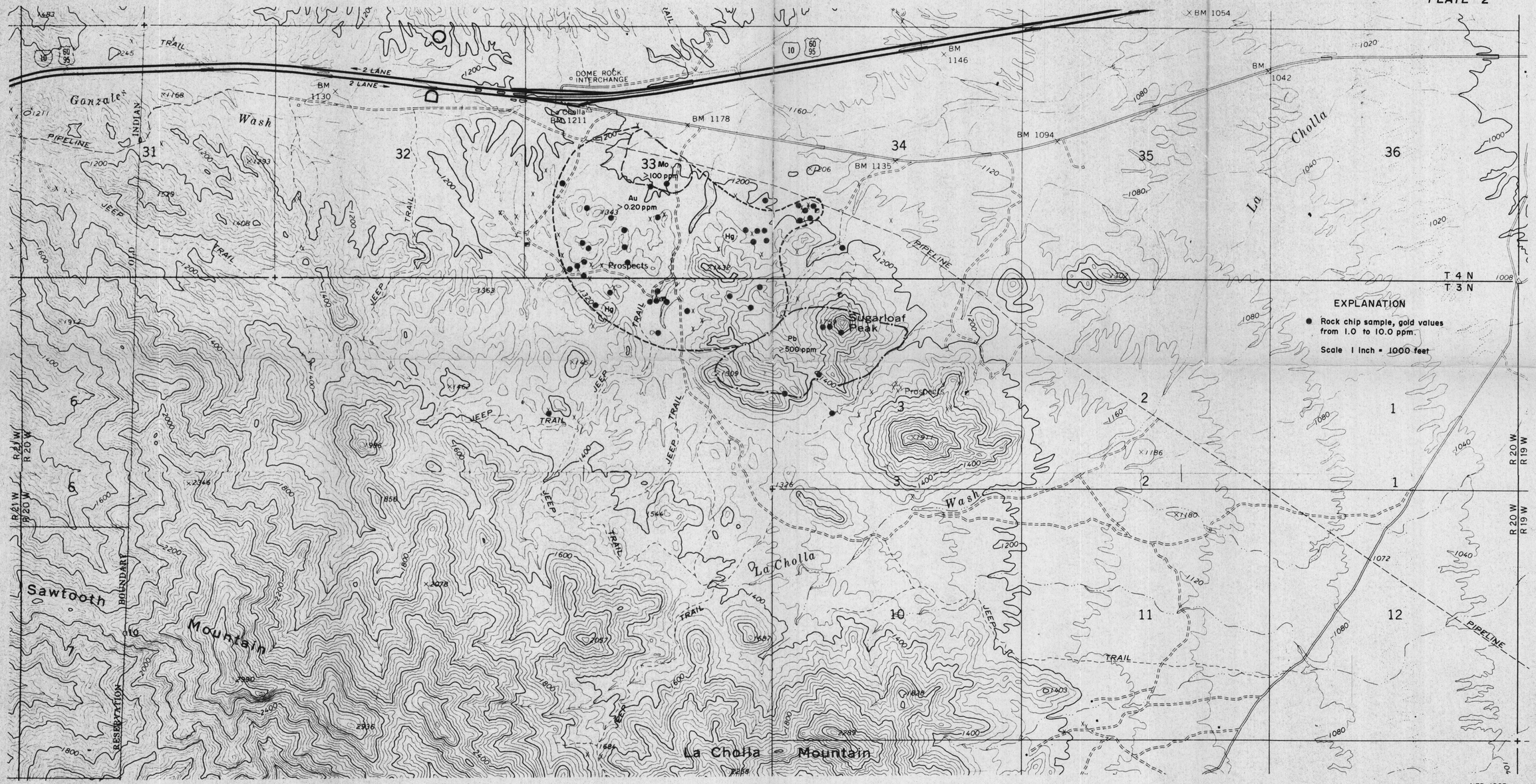
N

COPPER GEOCHEM OVERLAY
SUGARLOAF PEAK PROJECT
LA PAZ COUNTY, ARIZONA

0 500' 1000'

by D Schwartz March 1985

PLATE 2



RELATIONSHIP OF MAJOR GEOCHEMICAL ANOMALIES, SUGARLOAF PEAK PROJECT, QUARTZSITE, ARIZONA

1000 0 1000 2000 FEET

NED, 1983