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INDIANA UNIVERSITY

DEPARTMENT OF GEOLOGY
1005 East Tenth Street
Bloomington, Indiana 47405
(812)-

December 21, 1987

David B. Hackman
4228 East Grant Road #3
Tuson, AZ 85712-2513

Dear Dave,

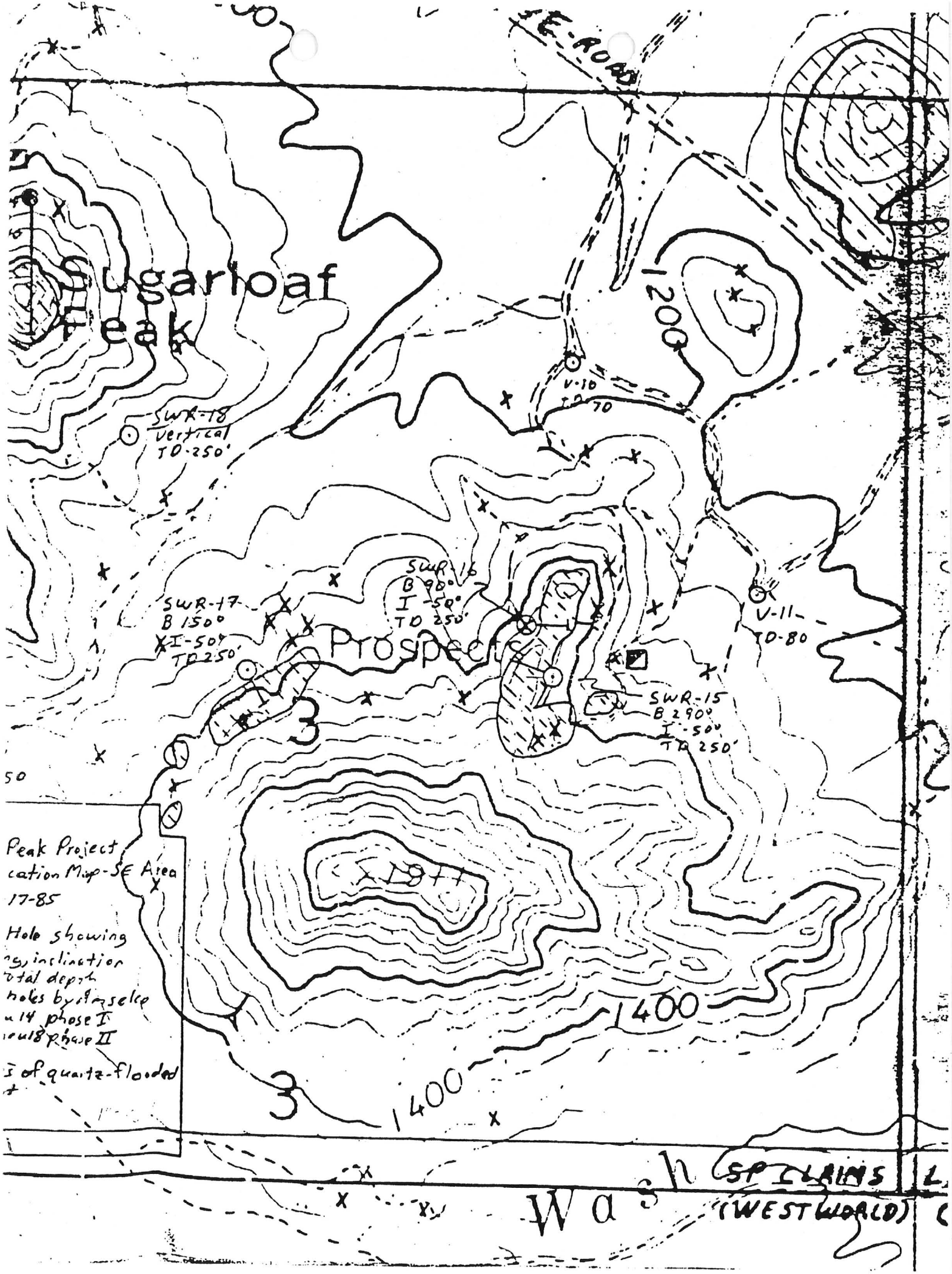
The sample from Sugar Loaf Peak was comprised of sericite and quartz and had a brightness of 70.3%. I would estimate the quartz content to be about 15 percent.

Have a great holiday season.

Sincerely,

Haydn H. Murray

HHM:kss


E-ROAD
Sugarloaf Peak
1200
V-10
TD 70
SWR-18
Vertical
TD-250'
SWR-16
B 90°
I -50°
TD 250'
SWR-17
B 1500
I-50°
TD 250'
Prospects
V-11
TD-80
SWR-15
B 290°
I -50°
TD 250'
3
50
Peak Project
cation Map-SE Area
17-85
Hole showing
ngs, inclination
otal depth
holes by
u 14 phase I
u 18 phase II
s of quartz-flooded
1400
1400
3
Wash
SP CLAIMS
(WEST WORLD)

SUGARLOAF PEAK PROJECT -- assay results from reverse circulation drilling

Hole: SWR-14
Bearing: 180°
Inclination: -40°
Completed: 12-10-84

Interval	Au (oz/t)	Interval	Au (oz/t)	Interval	Au (oz/t)
0- 5	no sample	150-155	-.001	300-305	.001
5- 10	.002	155-160	-.001	305-310	.001
10- 15	.003	160-165	-.001	310-315	.001
15- 20	-.001	165-170	-.001	315-320	.001
20- 25	.001	170-175	-.001	320-325	.001
25- 30	-.001	175-180	.001	325-330	.001
30- 35	-.001	180-185	-.001	330-335	.001
35- 40	-.001	185-190	-.001	335-340	-.001
40- 45	.001	190-195	-.001	340-345	.001
45- 50	.001	195-200	-.001	345-350	.001
50- 55	-.001	200-205	-.001	350-355	.007 (.007)*
55- 60	-.001	205-210	-.001	355-360	.001
60- 65	.001	210-215	-.001	360-365	.001
65- 70	-.001	215-220	.001	365-370	.001
70- 75	-.001	220-225	-.001	370-375	.001
75- 80	-.001	225-230	-.001	375-380	.001
80- 85	-.001	230-235	-.001	380-385	.001
85- 90	-.001 (-.001)*	235-240	-.001	385-390	.001
90- 95	.001 (-.001)**	240-245	-.001	390-395	-.001
95-100	-.001	245-250	.001	395-400	.001
100-105	-.001	250-255	.001	400-405	-.001
105-110	.001	255-260	.001 (.001)*	405-410	.001
110-115	-.001	260-265	.001	410-415	.001
115-120	.001	265-270	-.001	415-420	.001
120-125	.001	270-275	-.001	420-425	-.001
125-130	.001 (-.001)*	275-280	-.001	425-430	.001
130-135	-.001	280-285	-.001	430-435	-.001
135-140	-.001	285-290	.001	435-440	.001
140-145	-.001	290-295	.001	440-445	.001
145-150	.001	295-300	.002	445-450	-.001

(assay repeat) * Amselco Lab
** Monitor Lab

SUGARLOAF PEAK PROJECT — assay results from reverse circulation drilling

Hole: SWR-13
Bearing: 160°
Inclination: -70°
Completed: 12-5-84

Interval	Au (oz/t)	Interval	Au (oz/t)
0- 5	.003	150-155	.004
5- 10	.012	155-160	.011 (.008)**
10- 15	.007	160-165	.004
15- 20	.003 (.005)**	165-170	.004
20- 25	.008	170-175	.006
25- 30	.008	175-180	.006
30- 35	.008	180-185	.006
35- 40	.011	185-190	.008 (.009)*
40- 45	.011	190-195	.009
45- 50	.008	195-200	.009
50- 55	.008	200-205	.003
55- 60	.011	205-210	.005
60- 65	.007	210-215	.004
65- 70	.009	215-220	.004
70- 75	.011	220-225	.003
75- 80	.007	225-230	.003
80- 85	.017 (.019)**	230-235	.002
85- 90	.015	235-240	.003 (.003)**
90- 95	.022	240-245	.002
95-100	.011 (.006)*	245-250	.001
100-105	.006	250-255	.003
105-110	.011	255-260	.001
110-115	.011	260-265	.002
115-120	.003	265-270	.004
120-125	.005	270-275	.004
125-130	.010	275-280	.002
130-135	.008	280-285	.003
135-140	.003	285-290	.004
140-145	.003	290-295	.004
145-150	.004	295-300 TD	.007

(assay repeats) * Amselco Lab
** Monitor Lab

SUGARLOAF PEAK PROJECT -- assay results from reverse circulation drilling

Hole: SWR-12
Bearing: 200°
Inclination: -70°
Completed: 12-4-84

Interval	Au (oz/t)	Interval	Au (oz/t)
0- 5	no sample	150-155	.009
5- 10	no.sample	155-160	.002
10- 15	.001	160-165	.005
15- 20	.001	165-170	.009
20- 25	.002	170-175	.003
25- 30	-.001 (.001)*	175-180	.003
30- 35	.001	180-185	.004
35- 40	.001	185-190	.004 (.005)*
40- 45	.003	190-195	.005
45- 50	.006	195-200	.001
50- 55	.003	200-205	.003 (.007)**
55- 60	.001 (.002)**	205-210	.005
60- 65	.006	210-215	.005
65- 70	.007	215-220	.004
70- 75	.010	220-225	.006
75- 80	.001	225-230	.007
80- 85	.002	230-235	.007
85- 90	.002	235-240	.007
90- 95	.003	240-245	.006 (.006)*
95-100	.003	245-250	.003
100-105	.005	250-255	.006
105-110	.003	255-260	.004
110-115	.003	260-265	.003
115-120	.005	265-270	.003
120-125	.003	270-275	.007
125-130	.005	275-280	.005 (.008)**
130-135	.004	280-285	.002
135-140	.007 (.009)**	285-290	.009
140-145	.008	290-295	.003
145-150	.006	295-300 TD	.002

(assay repeat) * Amselco Lab
** Monitor Lab

SUGARLOAF PEAK PROJECT -- assay results from reverse circulation drilling

Hole: SWR-11
Bearing: 160°
Inclination: -70°
Completed: 12-3-84

Interval	Au (oz/t)	Interval	Au (oz/t)	Interval	Au (oz/t)
0- 5	no sample	150-155	.006	300-305	.008
5- 10	.005	155-160	.012	305-310	.004 (.005)*
10- 15	.005	160-165	.012	310-315	.002
15- 20	.001	165-170	.013	315-320	.004
20- 25	.007	170-175	.011	320-325	.006
25- 30	.006	175-180	.011	325-330	.009
30- 35	.004	180-185	.009	330-335	.004
35- 40	.004	185-190	.007	335-340	.003
40- 45	.012	190-195	.009	340-345	.003
45- 50	.004	195-200	.011	345-350	.010
50- 55	.010 (.012)**	200-205	.007 (.006)**	350-355	.005 (.007)*
55- 60	.006	205-210	.004	355-360	.008
60- 65	.004	210-215	.006	360-365	.006
65- 70	.007	215-220	.003	365-370	.012
70- 75	.002	220-225	.009	370-375	.009
75- 80	.005	225-230	.004	375-380	.008 (.006)*
80- 85	.004 (.003)*	230-235	.004	380-385	.018
85- 90	.005	235-240	.012	385-390	.023
90- 95	.004	240-245	.011	390-395	.017
95-100	.004	245-250	.007	395-400 TD	.005 (.007)*
100-105	.003	250-255	.010		
105-110	.004	255-260	.008	350-360	.004
110-115	.003	260-265	.003	360-370	.006
115-120	.009	265-270	.006	370-380	.007
120-125	.007 (.007)*	270-275	.003 (.003)**	380-390	.011
125-130	.007	275-280	.003	390-400 TD	.007
130-135	.006 (.006)**	280-285	.005		
135-140	.010	285-290	.007		
140-145	.012	290-295	.011		
145-150	.012	295-300	.004		

(assay repeat) * Amselco Lab
** Monitor Lab

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

May 1987

SUGARLOAF PEAK PROJECT
La Paz County, Arizona

General

Located approximately 6 miles west of Quartzsite, Arizona and 0.5 miles south of I-10. Holdings consist of 132 lode claims (2640 acres) controlled by N. E. Dausinger, Jr. and Westworld Inc. within the S½ of sections 33, 34, 35, T4N, R20W and sections 2, 3, 4, T3N, R20W (Middle Camp Mtn. Quadrangle, 7.5 minute series). During 1962-73, the area was unsuccessfully evaluated for deep porphyry copper potential by Congdon and Carey and Kerr McGee.

Recent test drilling (28 holes, 9075 total footage) within a broad surface gold anomaly (4000 by 6000 feet, 0.10 ppm-10.0 ppm), apparently diffused to the north and northwest from a suspected vent feature southwest of Sugarloaf Peak, indicates about 60 million tons, grade of 0.02 ounces gold, 0.30-0.50 ounces silver and possible lead/zinc credits. Accumulated data suggest that the grade, thickness and continuity of mineralization increases to the southeast as does the thickness of the upper clay zone.

Three inclined drill holes, drilled on a bismuth/lead anomaly southeast of Sugarloaf, spaced approximately 1500 feet apart, drilled to 250-foot depths, indicate a pyrophyllite resource zone of at least 50 million tons. This zone is interpreted as being within the thicker, overlying clay zone. These drill holes were essentially devoid of precious metal values (Figure 1 and 2).

The property is currently available on flexible terms.

Geologic Description

Regionally, the area is located within a structurally active zone reflecting plate tectonics, and includes the recently developed gold deposits at Mesquite, Picacho and American Girl in southeastern California and Copperstone in Arizona.

The project area is located within a metavolcanic complex with strong northwest trending structural fabrics. Host rocks are field classified as quartz porphyry schists, whose original characteristics are now masked by post-mineralization, low grade metamorphism, including regional shearing.

The large ovoid feature, interpreted from aerial photos and topography, may reflect broad doming with attendant ring/radial fracturing due to intrusive activity from the east or southeast along a major low angle structure at depth. Accumulated data suggest that the ovoid feature has a central zone of argillic

alteration (clay cap) that thickens to the east-southeast and thins to the northwest due to structure and recent erosion. The outer rim of the ovoid feature is a broad ring of propylitic alteration (Figure 1).

From the surface to depth, the area presents a reasonable interpretive model for a "porphyry" precious metal deposit (Figure 2):

1. Remnant metasilicic residue from original hot spring activity. Generally contains anomalous Hg, Au, Te and As. Several zones have been unsuccessfully drill tested for underlying roots.

2. A thick, upper clay zone with extensive bleaching, alunite stockwork/veining, pyrophyllite, sericite, jarosite and limonite derived from pyrite, specularite, "bull" quartz veins, generally anomalous Bi, Pb.

3. A thinning clay zone to the north-northwest from the vicinity of the suspected vent feature, with sericite, quartz-pyrite veinlets, alunite, limonite, jarosite and "bull" quartz veins and anomalous Au. In the northwest corner of the claim block, propylitic alteration was penetrated at shallow depths. The vent feature is considered to have been subject to deeper erosion, thus revealing the broad, diffused gold anomaly north-northwest of the vent.

4. The vent feature may be the plumbing system and principle host for precious metal deposition. A Kerr McGee log of a Congdon and Carey diamond drill hole, located in the northwest corner of section 3, drilled to 700 feet, describes open breccias and increasing silicification with depth. A recent hole, drilled at the same site, indicated increasing gold values (.001 to .01) with depth. A log of another Congdon and Carey hole, drilled to 790 feet depth, located just to the north of the 0.02 contour, Figure 1, indicates increasing silicification with depth. A recent hole located on the 0.02 contour, is bottomed at 250 feet in 0.05 O/T Au.

Future exploration, with an eye to higher grade gold values, should focus on the following:

1. Deeper drilling to the south and east of the trend developed by recent efforts. To the south, the northwest trending lineament may be an important structural control for localizing higher grade precious metal mineralization.

2. Due to thickening of the clay cap to the southeast, testing of the vent feature to at least 500 foot depths.

W. E. Dunning Jr.

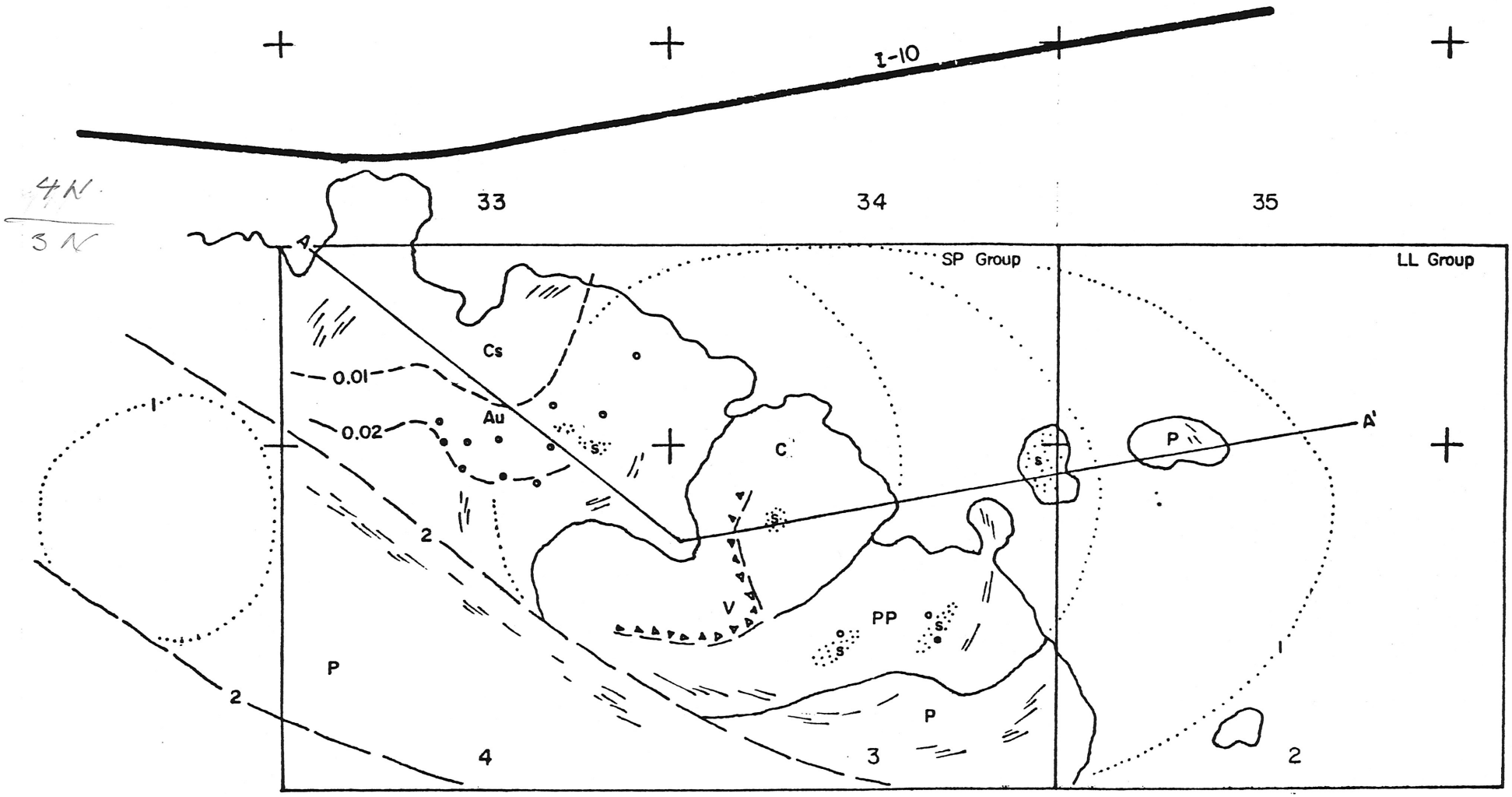


Figure 1.- Generalized plan of Sugarloaf Peak area. 1- Photo/topo ovoid features. 2 - Strong NW photo lineaments. s- Metasilicic remnants of hot spring activity. C- Thick upper clay zone. Cs- Thinning clay zone. V- Vent feature. P- Propylitic zone. Au- Partially drilled anomalous gold zone. Holes plotted have values between 0.015-0.026 O/T Au, cumulative drill intervals of 85 to 205 feet from surface to 250-300 foot depths as defined by contours. PP- Pyrophyllite zone. Holes plotted drilled almost entirely in pyrophyllite, gold values nil. Scale 1:24,000.

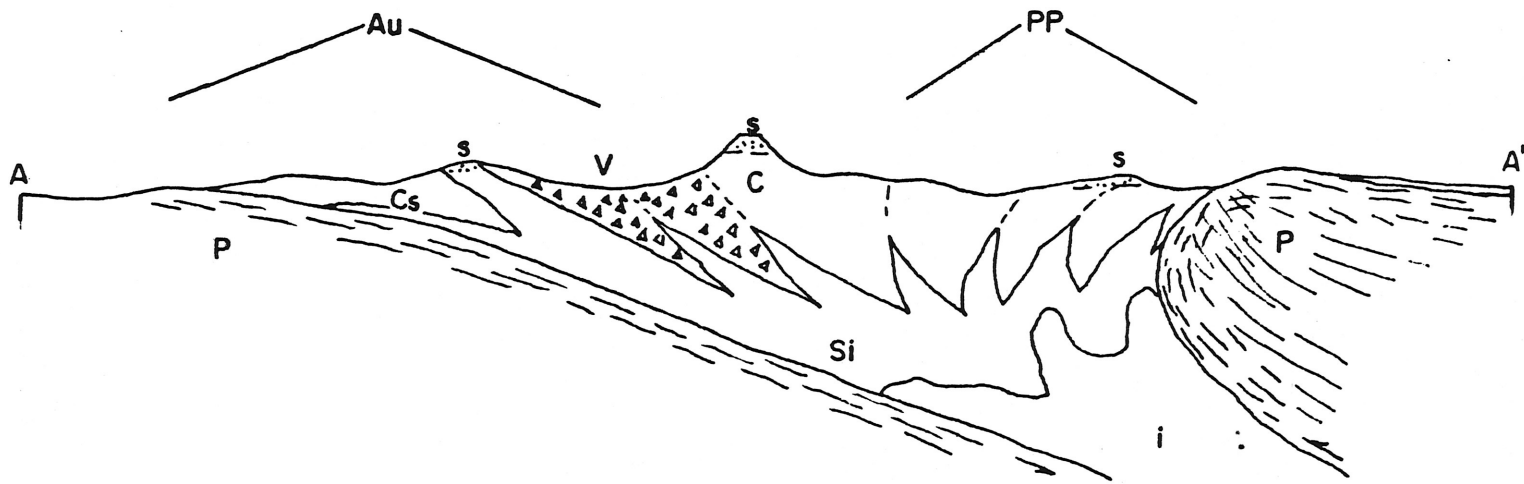
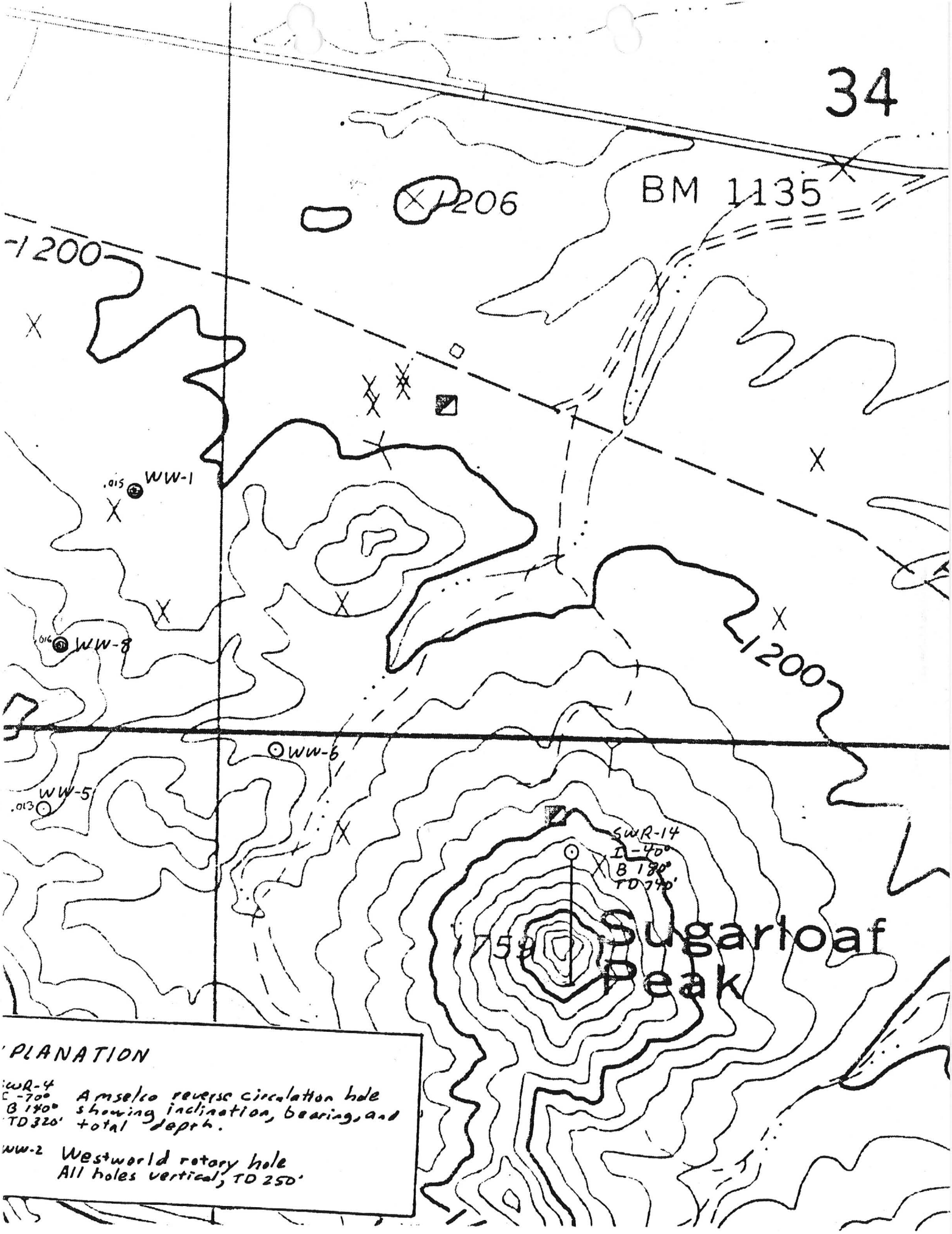
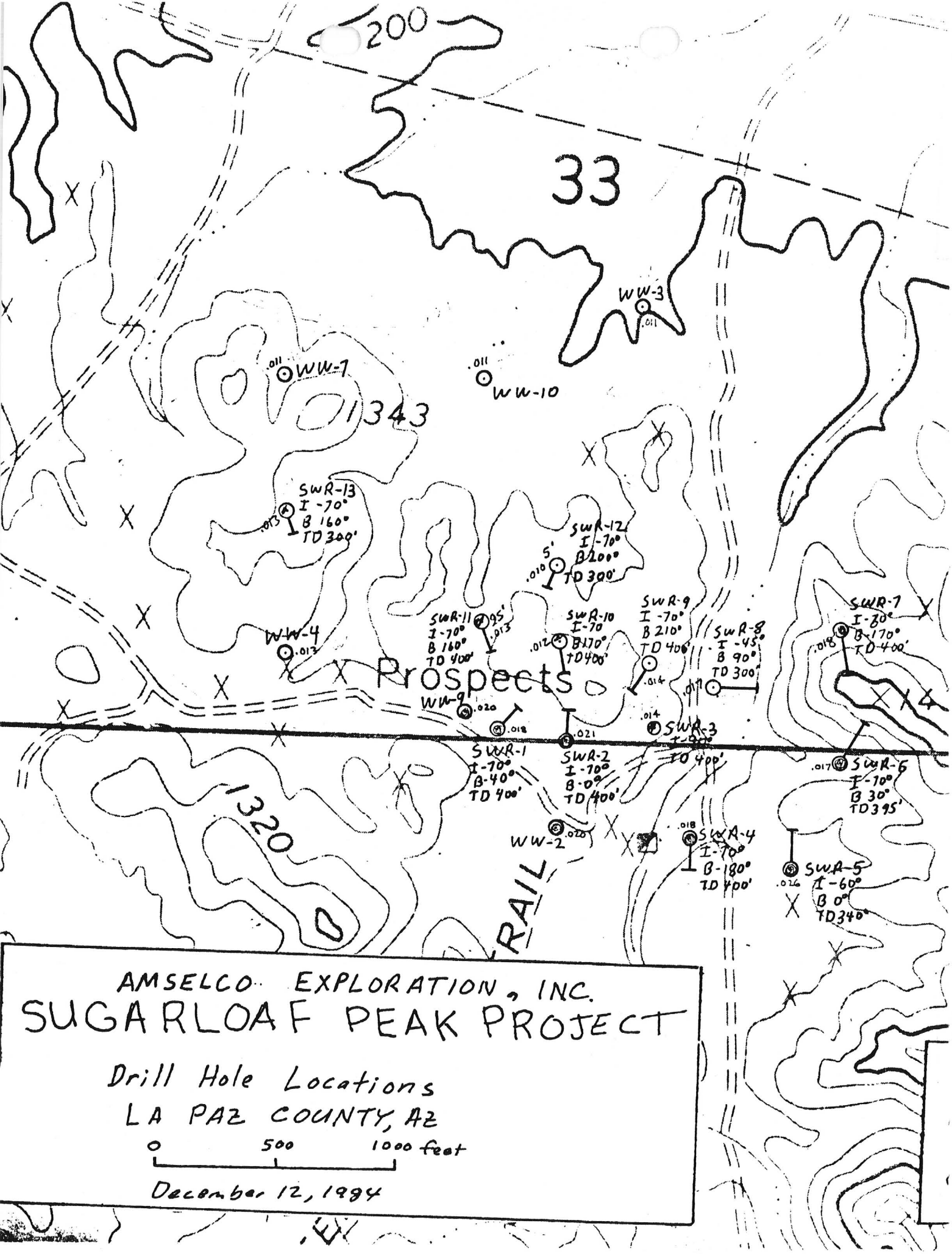


Figure 2.- Interpretive cross section through Sugarloaf Peak area. s- Metasilicic remnants of hot spring activity. C- Thick upper clay zone. Cs- Thinning clay zone. V- Vent feature. Si- Silicic zone, potentially higher grade precious metals. P- Propylitic zone. i- Hypothesized intrusive. Au- Extent of anomalous gold zone. PP- Pyrophyllite resource zone. Scale 1:24,000, vertical scale exaggerated.


P206
BM 1135
-1200
.015 WW-1
.016 WW-8
WW-6
WW-5
.013
SWR-14
I -40°
B 180°
TD 740'
758
Sugarloaf Peak
1200
PLANATION
SWR-4
I -70°
B 140°
TD 320'
Amselco reverse circulation hole showing inclination, bearing, and total depth.
WW-2
Westworld rotary hole
All holes vertical, TD 250'


200
33
WW-3
.011
WW-7
.011
WW-10
.011
1343
SWR-13
I -70°
B 160°
TD 300'
.013
SWR-12
I -70°
B 200°
TD 300'
5'
.010
SWR-11
I -70°
B 160°
TD 400'
95'
.013
SWR-10
I -70
B 170°
TD 400'
.012
SWR-9
I -70°
B 210°
TD 400'
.014
SWR-8
I -45°
B 90°
TD 300'
.019
SWR-7
I -80°
B 170°
TD 400'
.018
WW-4
.013
Prospects
WW-9
.020
.018
SWR-1
I -70°
B -40°
TD 400'
.021
SWR-2
I -70°
B -0°
TD 400'
.014
SWR-3
TD 400'
.017
SWR-6
I -70°
B 30°
TD 395'
1320
WW-2
.020
.018
SWR-4
I -70°
B -180°
TD 400'
SWR-5
I -60°
B 0°
TD 340'
.026
RAIL
AMSELCO EXPLORATION, INC.
SUGARLOAF PEAK PROJECT
Drill Hole Locations
LA PAZ COUNTY, AZ
0
500
1000 feet
December 12, 1984

HELP

POLYGONAL RESOURCE CALCULATIONS

CUTOFF	BLOCKS 100 FT.	AVE.GRADE 100 FT.	BLOCKS 200 FT.	AVE.GRADE 200 FT.	BLOCKS 300 FT.	AVE.GRADE 300 FT.	TONS 100 FT.	TONS 200 FT.	TONS 300 FT.	OUNCES 100 FT.	OUNCES 200 FT.	OUNCES 300 FT.
0.005	2539	0.0069	9274	0.0068	18457	0.0067	20312000	74192000	147656000	140152.8	504505.6	989295.2
0.01	1441	0.0103	5167	0.0103	10128	0.0103	11528000	41336000	81024000	118738.4	425760.8	834547.2
0.015	549	0.0157	2006	0.0157	3968	0.0156	4392000	16048000	31744000	68954.4	251953.6	495206.4
0.02	238	0.0206	857	0.0208	1633	0.0208	1904000	6856000	13064000	39222.4	142604.8	271731.2
0.025	97	0.0257	350	0.0263	699	0.026	776000	2800000	5592000	19943.2	73640	145392
0.03	30	0.0338	126	0.0336	236	0.0337	240000	1008000	1888000	8112	33868.8	63625.6
0.035	15	0.0398	58	0.0408	112	0.0408	120000	464000	896000	4776	18931.2	36556.8
0.04	11	0.0433	45	0.0438	88	0.0437	88000	360000	704000	3810.4	15768	30764.8
0.045	5	0.0491	25	0.0483	48	0.0483	40000	200000	384000	1964	9660	18547.2
0.05	3	0.0535	13	0.0536	25	0.0537	24000	104000	200000	1284	5574.4	10740
0.055	3	0.0535	13	0.0536	25	0.0537	24000	104000	200000	1284	5574.4	10740
0.06	0	0	0	0	0	0	0	0	0	0	0	0

EXHIBIT D

SUGARLOAF PEAK PROJECT -- assay results from reverse circulation drilling

Hole: SWR-1
Bearing: 30°
Inclination: -70°
Completed: 11-14-84

Interval	Au (oz/t)	Interval	Au (oz/t)	Interval	Au (oz/t)
0- 5	.006	150-155	.031	300-305	.004 (.005)*
5- 10	.032	155-160	.019 (.020)**	305-310	.008
10- 15	.030	160-165	.029 (.028)*	310-315	.007
15- 20	.005 (.004)**	165-170	.015	315-320	.008
20- 25	.007	170-175	.018	320-325	.011
25- 30	.003	175-180	.012	325-330	.004
30- 35	.011	180-185	.013	330-335	.005
35- 40	.006 (.006)*	185-190	.010	335-340	.006 (.005)
40- 45	.005	190-195	.009	340-345	.003
45- 50	.014	195-200	.016	345-350	.002
50- 55	.027	200-205	.012	350-355	.020
55- 60	.009	205-210	.006	355-360	.008
60- 65	.029	210-215	.007	360-365	.011
65- 70	.018	215-220	.008	365-370	.005
70- 75	.026	220-225	.003	370-375	.006
75- 80	.012	225-230	.008	375-380	.009 (.011)*
80- 85	.004	230-235	.005	380-385	.004
85- 90	.003 (.004)**	235-240	.007 (.015)**	385-390	.004
90- 95	.003	240-245	.006	390-395	.006
95-100	.003	245-250	.003 (.006)*	395-400 TD	.006
100-105	.004	250-255	.003		
105-110	.006	255-260	.003		
110-115	.008	260-265	.010		
115-120	.007	265-270	.012		
120-125	.011	270-275	.011		
125-130	.005	275-280	.005		
130-135	.006	280-285	.003		
135-140	.008	285-290	.005		
140-145	.021	290-295	.008		
145-150	.017	295-300	.004		

(assay repeat) * Amselco Lab
** Monitor Lab

SUGARLOAF PEAK PROJECT -- assay results from reverse circulation drilling

Hole: SWR-2
Bearing: 0°
Inclination: -70°
Completed: 11-15-84

Interval	Au (oz/t)	Interval	Au (oz/t)	Interval	Au (oz/t)
0- 5	no sample	150-155	.016	300-305	.013
5- 10	.014	155-160	.008	305-310	.023
10- 15	.033	160-165	.019	310-315	.033
15- 20	.009	165-170	.005	315-320	.052
20- 25	.016	170-175	.018	320-325	.008
25- 30	.006	175-180	.034	325-330	.008
30- 35	.002	180-185	.005	330-335	.007
35- 40	.013	185-190	.027	335-340	.005
40- 45	.022 (.023)**	190-195	.006	340-345	.014
45- 50	.018	195-200	.008	345-350	.018
50- 55	.021	200-205	.014 (.013)**	350-355	.006
55- 60	.011	205-210	.011	355-360	.005 (.007)*
60- 65	.008	210-215	.006	360-365	.004
65- 70	.007	215-220	.017	365-370	.010
70- 75	.009 (.011)**	220-225	.006	370-375	.006
75- 80	.003	225-230	.008	375-380	.006 (.006)*
80- 85	.031	230-235	.003	380-385	.022
85- 90	.005	235-240	.008 (.006)**	385-390	.003
90- 95	.034 (.033)*	240-245	.003	390-395	.001
95-100	.020	245-250	.004 (.006)*	395-400 TD	.003
100-105	.020	250-255	.005		
105-110	.009	255-260	.002		
110-115	.004	260-265	.006		
115-120	.005	265-270	.007		
120-125	.034	270-275	.009		
125-130	.014	275-280	.014		
130-135	.011	280-285	.010		
135-140	.015 (.021)*	285-290	.015		
140-145	.008	290-295	.011 (.015)**		
145-150	.058	295-300	.007		

(assay repeat) * Amselco Lab
** Monitor Lab

SUGARLOAF PEAK PROJECT -- assay results from reverse circulation drilling

Hole: SWR-3
Bearing: --
Inclination: -90°
Completed: 11-17-84

Interval	Au (oz/t)	Interval	Au (oz/t)	Interval	Au (oz/t)
0- 5	no sample	150-155	.005	300-305	.007 (.009)*
5- 10	.003	155-160	.005	305-310	.006
10- 15	.001	160-165	.007 (.008)**	310-315	.013 (.008)**
15- 20	.014	165-170	.004	315-320	.003
20- 25	.002 (.002)**	170-175	.003	320-325	.003
25- 30	.003	175-180	.001	325-330	.005
30- 35	.001	180-185	.009	330-335	.006
35- 40	.008	185-190	.008	335-340	.002
40- 45	.011	190-195	.005	340-345	.003
45- 50	.048 (.050)*	195-200	.010	345-350	.003
50- 55	.015	200-205	.012	350-355	.005 (.006)**
55- 60	.021	205-210	.010	355-360	.005
60- 65	.011	210-215	.010	360-365	.006
65- 70	.013	215-220	.011	365-370	.013
70- 75	.003	220-225	.011	370-375	.021
75- 80	.009	225-230	.009	375-380	.010
80- 85	.003	230-235	.013	380-385	.007
85- 90	.006	235-240	.005	385-390	.009
90- 95	.002 (.002)**	240-245	.008 (.005)**	390-395	.006
95-100	.003	245-250	.011	395-400 TD	.009
100-105	.009	250-255	.006		
105-110	.011	255-260	.007		
110-115	.004	260-265	.006		
115-120	.006	265-270	.007		
120-125	.006	270-275	.004		
125-130	.006 (.006)*	275-280	.003		
130-135	.004	280-285	.006		
135-140	.005	285-290	.010		
140-145	.010	290-295	.006		
145-150	.005	295-300	.007		

(assay repeat) * Amselco Lab
** Monitor Lab

SUGARLOAF PEAK PROJECT -- assay results from reverse circulation drilling

Hole: SWR-4
Bearing: 180°
Inclination: -70°
Completed: 11-18-84

Interval	Au (oz/t)	Interval	Au (oz/t)	Interval	Au (oz/t)
0- 5	no sample	150-155	.045	300-305	.013
5- 10	.002	155-160	.017	305-310	.009
10- 15	.001	160-165	.007 (.007)**	310-315	.007 (.008)**
15- 20	.016	165-170	.007 (.006)*	315-320	.003 (.003)*
20- 25	.006 (.008)**	170-175	.006	320-325	.004
25- 30	.007	175-180	.008	325-330	.011
30- 35	.016	180-185	.023	330-335	.003
35- 40	.013	185-190	.010	335-340	.005
40- 45	.013	190-195	.006	340-345	.005
45- 50	.006	195-200	.003	345-350	.009
50- 55	.004	200-205	.002	350-355	.009
55- 60	.007	205-210	.003	355-360	.006
60- 65	.013	210-215	.003	360-365	.004
65- 70	.018	215-220	.004	365-370	.003
70- 75	.009	220-225	.034	370-375	.002
75- 80	.004	225-230	.004	375-380	.007 (.008)*
80- 85	.013	230-235	.004	380-385	.010
85- 90	.006	235-240	.003	385-390	.009
90- 95	.005 (.006)**	240-245	.003 (.003)**	390-395	.004
95-100	.005	245-250	.004	395-400 TD	.004 (.004)*
100-105	.013	250-255	.003		
105-110	.009	255-260	.003		
110-115	.005 (.005)*	260-265	.003		
115-120	.013	265-270	.008		
120-125	.016	270-275	.012		
125-130	.011	275-280	.017		
130-135	.017	280-285	.012		
135-140	.021	285-290	.029		
140-145	.046	290-295	.014		
145-150	.004	295-300	.017		

(assay repeat) * Amselco Lab
** Monitor Lab

SUGARLOAF PEAK PROJECT -- assay results from reverse circulation drilling

Hole: SWR-5
Bearing: 0°
Inclination: -60°
Completed: 11-19-84

Interval	Au (oz/t)	Interval	Au (oz/t)	Interval	Au (oz/t)
0- 5	no sample	150-155	.006	300-305	.005
5- 10	.006 (.005)*	155-160	.005 (.006)*	305-310	.008
10- 15	.003	160-165	.003 (.004)**	310-315	.005 (.007)*
15- 20	.004	165-170	.003	315-320	.005
20- 25	.006 (.009)**	170-175	.005	320-325	.003
25- 30	.006	175-180	.012	325-330	.007
30- 35	.005	180-185	.009	330-335	.009
35- 40	.002	185-190	.008	335-340 TD	.007
40- 45	.003	190-195	.010		
45- 50	.008	195-200	.055		
50- 55	.002	200-205	.010		
55- 60	.004	205-210	.004		
60- 65	.007	210-215	.003		
65- 70	.013	215-220	.002		
70- 75	.004	220-225	.004		
75- 80	.005	225-230	.010		
80- 85	.007	230-235	.012		
85- 90	.006	235-240	.103 (.091)*		
90- 95	.004 (.006)**	240-245	.022 (.033)**		
95-100	.008	245-250	.003		
100-105	.007	250-255	.005		
105-110	.008	255-260	.016		
110-115	.016	260-265	.006		
115-120	.021	265-270	.005		
120-125	.027	270-275	.005		
125-130	.028	275-280	.004		
130-135	.013	280-285	.009		
135-140	.009	285-290	.004		
140-145	.055	290-295	.005		
145-150	.012	295-300	.004		

(assay repeat) * Amselco Lab
** Monitor Lab

SUGARLOAF PEAK PROJECT -- assay results from reverse circulation drilling

Hole: SWR-9
Bearing: 210°
Inclination: -70°
Completed: 11-30-84

Interval	Au (oz/t)	Interval	Au (oz/t)	Interval	Au (oz/t)
0- 5	no sample	150-155	.006	300-305	.002
5- 10	.012	155-160	.005 (.006)**	305-310	.007
10- 15	.024	160-165	.004	310-315	.005
15- 20	.002	165-170	.002	315-320	.007
20- 25	.003	170-175	.006	320-325	.009
25- 30	.001	175-180	.006	325-330	.002
30- 35	.004 (.004)**	180-185	.005	330-335	.003
35- 40	.002	185-190	.016	335-340	.002
40- 45	.006	190-195	.006 (.006)*	340-345	.009 (.005)*
45- 50	.007	195-200	.002	345-350	.004
50- 55	.008	200-205	.004	350-355	.005
55- 60	.006	205-210	.005	355-360	.009
60- 65	.004	210-215	.004	360-365	.008
65- 70	.002	215-220	.003	365-370	.002
70- 75	.002	220-225	.005	370-375	.005 (.006)*
75- 80	.003	225-230	.003	375-380	.003
80- 85	.006 (.006)**	230-235	.002	380-385	.003
85- 90	.008	235-240	.004 (.006)**	385-390	.006
90- 95	.003	240-245	.004	390-395	.006
95-100	.002 (.003)*	245-250	.012 (.012)*	395-400 TD	.011
100-105	.012	250-255	.006		
105=110	.004	255-260	.003		
110-115	.006	260-265	.004		
115-120	.008	265-270	.002		
120-125	.002	270-275	.011		
125-130	.003	275-280	.008		
130-135	.004	280-285	.005		
135-140	.003	285-290	.007 (.008)**		
140-145	.004	290-295	.003		
145-150	.006	295-300	.007		

(assay repeat) * Amselco Lab
** Monitor Lab

SUGARLOAF PEAK PROJECT — assay results from reverse circulation drilling

Hole: SWR-6
Bearing: 30°
Inclination: -60°
Completed: 11-21-84

Interval	Au (oz/t)	Interval	Au (oz/t)	Interval	Au (oz/t)
0- 5	no sample	150-155	.010	300-305	.003 (.003)*
5- 10	.006	155-160	.031 (.053)**	305-310	.003
10- 15	.005	160-165	.011	310-315	.007 (.006)*
15- 20	.005	165-170	.007	315-320	.007
20- 25	.009 (.009)**	170-175	.007	320-325	.006
25- 30	.011	175-180	.010	325-330	.005
30- 35	.016	180-185	.007	330-335	.007
35- 40	.020	185-190	.007	335-340	.006
40- 45	.018	190-195	.005	340-345	.012
45- 50	.009	195-200	.007	345-350	.010
50- 55	.020 (.020)*	200-205	.003 (.003)*	350-355	.009
55- 60	.019	205-210	.002	355-360	.005
60- 65	.009	210-215	.004	360-365	.004
65- 70	.016	215-220	.005	365-370	.005
70- 75	.012	220-225	.008	370-375	.009
75- 80	.029	225-230	.010	375-380	.004
80- 85	.034	230-235	.004	380-385	.006 (.006)*
85- 90	.010	235-240	.003	385-390	.004
90- 95	.020 (.024)**	240-245	.001 (.002)**	390-395 TD	.006
95-100	.005	245-250	.001		
100-105	.007	250-255	.003	340-350	.009
105-110	.008	255-260	.001	350-360	.006
110-115	.004	260-265	.003	360-370	.005
115-120	.004	265-270	.005	370-380	.008
120-125	.004	270-275	.005	380-390	.007
125-130	.013	275-280	.004		
130-135	.004	280-285	.003	340-360	.006
135-140	.003	285-290	.004	360-380	.005
140-145	.004	290-295	.004	380-395 TD	.004 (.004)*
145-150	.006	295-300	.005		

(assay repeat) * Amselco Lab
** Monitor Lab

SUGARLOAF PEAK PROJECT -- assay results from reverse circulation drilling

Hole: SWR-7
Bearing: 170°
Inclination: -60°
Completed: 11-27-84

Interval	Au (oz/t)	Interval	Au (oz/t)	Interval	Au (oz/t)
0- 5	no sample	150-155	.011	300-305	.007
5- 10	.007	155-160	.012	305-310	.015
10- 15	.007	160-165	.002 (.004)**	310-315	.003 (.003)*
15- 20	.008 (.014)*	165-170	.020	315-320	.005
20- 25	.035 (.079)**	170-175	.004	320-325	.007
25- 30	.062	175-180	.027 (.027)*	325-330	.010
30- 35	.012	180-185	.009	330-335	.011 (.011)*
35- 40	.011	185-190	.012	335-340	.003
40- 45	.006	190-195	.012	340-345	.002 (.002)*
45- 50	.012	195-200	.017	345-350	.001
50- 55	.017	200-205	.013	350-355	.010
55- 60	.012	205-210	.005	355-360	.006
60- 65	.007	210-215	.003	360-365	.002
65- 70	.004	215-220	.006	365-370	.002
70- 75	.008	220-225	.003	370-375	.003
75- 80	.012	225-230	.007	375-380	.002
80- 85	.012	230-235	.002	380-385	.007 (.004)
85- 90	.006	235-240	.002	385-390	.005
90- 95	.012 (.013)**	240-245	.001 (.002)**	390-395	.004
95-100	.012	245-250	.002	390-400 TD	.006
100-105	.008	250-255	.002		
105-110	.010	255-260	.002	380-390	.012
110-115	.013	260-265	.003	390-400	.005
115-120	.008	265-270	.002		
120-125	.009	270-275	.002	320-340	.012
125-130	.012	275-280	.002	340-360	.002
130-135	.005	280-285	.004	360-380	.004
135-140	.022	285-290	.004	380-400	.006
140-145	.003	290-295	.008		
145-150	.003	295-300	.036		

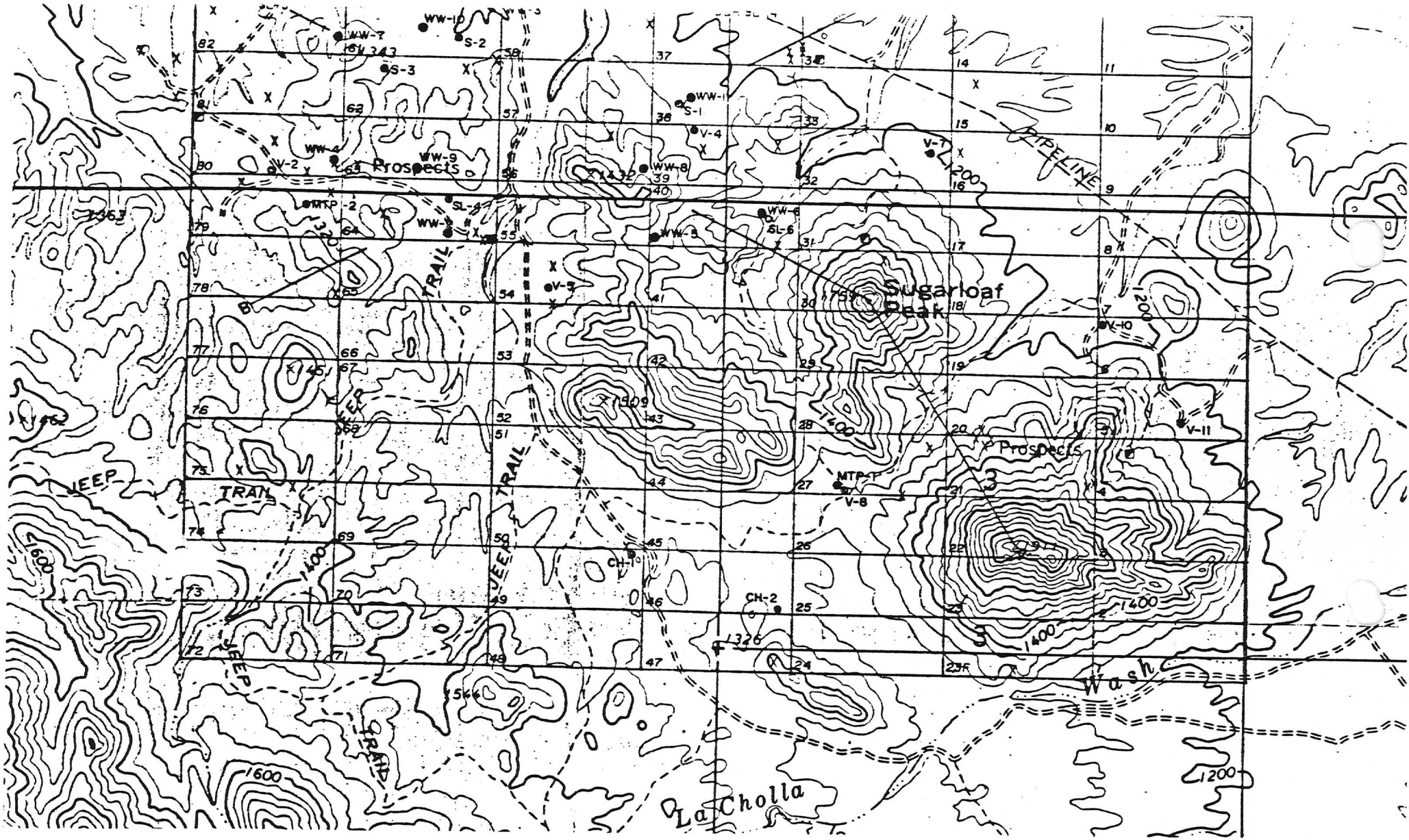
(assay repeat) *Amselco Lab
** Monitor Lab

SUGARLOAF PEAK PROJECT -- assay results from reverse circulation drilling

Hole: SWR-8
Bearing: 90°
Inclination: -45°
Completed: 11-27-84

Interval	Au (oz/t)	Interval	Au (oz/t)
0- 5	no sample	150-155	.004
5- 10	.001	155-160	.002
10- 15	.001	160-165	.003 (.006)**
15- 20	.003	165-170	.003
20- 25	.007	170-175	.004
25- 30	.009	175-180	.006
30- 35	.001	180-185	.006
35- 40	.013	185-190	.003
40- 45	.037	190-195	.003
45- 50	.004	195-200	.002 (.003)**
50- 55	.004	200-205	.003
55- 60	.003	205-210	.005
60- 65	.003	210-215	.004
65- 70	.002	215-220	.007
70- 75	.004	220-225	.003
75- 80	.004 (.005)**	225-230	.008
80- 85	.016	230-235	.011 (.009)*
85- 90	.011	235-240	.008
90- 95	.006 (.004)*	240-245	.006
95-100	.002	245-250	.006
100-105	.002	250-255	.004
105-110	.002	255-260	.009
110-115	.005	260-265	.007
115-120	.009	265-270	.004
120-125	.004	270-275	.004 (.005)**
125-130	.003	275-280	.004
130-135	.003	280-285	.004
135-140	.001	285-290	.006
140-145	.006 (.004)*	290-295	.004
145-150	.003	295-300 TD	.006

(assay repeat)* Amselco Lab
** Monitor Lab


Prospects
Sugarloaf Peak
Prospects
PIPELINE
JEEP TRAIL
JEEP TRAIL
JEEP TRAIL
JEEP TRAIL
La Cholla
Wash
WW-10
WW-7
S-2
S-3
WW-11
S-1
V-4
WW-4
V-2
WW-9
WW-8
V-7
MTP-2
SL-4
WW-3
WW-6
SL-6
WW-5
V-3
V-10
V-11
MTP-1
V-8
CH-1
CH-2
1200
1400
1600
1326

BM 1211
BM 1178
BM 1094
BM 1135
33
34
3
Sugarloaf Peak
Prospects
Prospects
PIPELINE
JEEP TRAIL
JEEP TRAIL
JEEP TRAIL
V-3
RH SL-7
V-6
V-9
DDH SL-15
DDH SL-14
SL-5
WW-7
WW-10
WW-3
S-2
S-3
WW-1
S-1
V-4
V-7
WW-4
V-2
WW-9
WW-8
MTP-2
SL-4
WW-2
WW-6
SL-6
WW-5
V-5
V-10
V-11
MTP-1
V-8
CH-1
CH-2
1200
1160
1120
1400
1326
1309
1206

SUGARLOAF PEAK PROJECT -- assay results from reverse circulation drilling

Hole: SWR-14
Bearing: 180°
Inclination: -40°
Completed: 12-10-84

Interval	Au (oz/t)	Interval	Au (oz/t)
450-455	-.001	600-605	.001
455-460	.001	605-610	.001
460-465	.001	610-615	.001
465-470	.001	615-620	.001
470-475	.001	620-625	.002
475-480	.001	625-630	.002
480-485	.001	630-635	.002 (.002)*
485-490	.001	635-640	.002
490-495	.001	640-645	.001
495-500	.001	645-650	.002
500-505	.001 (.001)*	650-655	.003
505-510	.001	655-660	.002 (.003)**
510-515	.001	660-665	.001
515-520	.001 (-.001)**	665-670	.001
520-525	-.001	670-675	.001
525-530	.001	675-680	.002
530-535	-.001	680-685	.002
535-540	.001	685-690	.003
540-545	-.001	690-695	.003
545-550	-.001	695-700	.003
550-555	.001	700-705	.003
555-560	-.001	705-710	.003
560-565	.001	710-715	.002
565-570	.001	715-720	.003
570-575	.001	720-725	.004
575-580	.001	725-730	.006
580-585	.001	730-735	.004
585-590	.001 (.001)**	735-740 TD	.003 (.004)**
590-595	.002		
595-600	.003		

(assay repeat) *Amselco Lab
**Monitor Lab

Drilling Results
SUGARLOAF PEAK PROJECT
Hole: SWR-15 (reverse circulation)
Bearing: 290°
Inclination: -50°

Interval	Au (oz/t)
15- 20	-0.001
25- 30	-0.001
35- 40	-0.001
45- 50	-0.001
55- 60	-0.001
65- 70	0.001
75- 80	0.002
85- 90	0.001
95-100	0.001
105-110	0.007
115-120	0.003
125-130	-0.001
135-140	-0.001
145-150	-0.001
155-160	0.001
165-170	-0.001
175-180	-0.001
185-190	-0.001
195-200	0.001
205-210	-0.001
215-220	-0.001
225-230	-0.001
235-240	0.001
245-250 (EOH)	0.001

Drilling Results
SUGARLOAF PEAK PROJECT
Hole: SWR-16 (reverse circulation)
Bearing: 90°
Inclination: -50°

Interval	Au (oz/t)
10- 15	-0.001
20- 25	-0.001
30- 35	0.001
40- 45	-0.001
50- 55	-0.001
60- 65	0.001
70- 75	-0.001
80- 85	0.001
90- 95	0.011
100-105	0.001
110-115	0.001
120-125	0.006
130-135	0.001
140-145	0.001
150-155	0.001
160-165	0.001
170-175	0.001
180-185	0.001
190-195	0.001
200-205	0.001
210-215	0.004
220-225	0.001
230-235	0.001
240-245	0.001

(EOH 250)

Drilling Results
SUGARLOAF PEAK PROJECT
Hole: SWR-17 (reverse circulation)
Bearing: 150°
Inclination: -50°

Interval	Au (oz/t)
5- 10	0.001
15- 20	-0.001
25- 30	0.001
35- 40	0.001
45- 50	0.027
55- 60	-0.001
65- 70	-0.001
75- 80	-0.001
85- 90	-0.001
95-100	-0.001
105-110	0.001
115-120	-0.001
125-130	0.001
135-140	0.002
145-150	0.001
155-160	0.001
165-170	0.001
175-180	0.001
185-190	-0.001
195-200	-0.001
205-210	-0.001
215-220	-0.001
225-230	-0.001
235-240	-0.001
245-250 (EOH)	0.001

Drilling Results
SUGARLOAF PEAK PROJECT
Hole: SWR-18 (reverse circulation)
Bearing: ---
Inclination: -90°

Interval	Au (oz/t)
0- 5	-0.001
10- 15	-0.001
20- 25	-0.001
30- 35	-0.001
40- 45	-0.001
50- 55	-0.001
60- 65	0.001
70- 75	-0.001
80- 85	-0.001
90- 95	-0.001
100-105	-0.001
110-115	-0.001
120-125	-0.001
130-135	-0.001
140-145	0.001
150-155	-0.001
160-165	-0.001
170-175	-0.001
180-185	-0.001
190-195	-0.001
200-205	-0.001
210-215	-0.001
220-225	-0.001
230-235	-0.001
240-245	-0.001
(EOH 250)	

PROPERTY: Sugarloof Peak SHEET No. 1/4 HOLE No. SWR-1

Sec. 33 T4N R20W; Date Started 11-13-84, completed 11-14-84, bearing 30° Inclination -70° Drilling Services-Reverse, TD-400' Logged 11-15-84

GEOLOGICAL LOG +++ v. strong ++ mod. + wk

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	FeOx	%Py	graphite Py	Sil	Ser	Chl Epd.	Arg	Bull qtz	ASSAY RECORD SAMPLE No.	FROM	TO	REC FT. / %	SAMPLE LENGTH
0	5		metamorphosed intermediate volcanic rock - qtz porphyry schist				Bleached - ser. schist	++	5% lm			+++								
5	10							++	5% lm			+++								
10	15							++	5% lm			+++								
15	20						slightly less bleaching	++	5% lm			+++								
20	25							+	5% lm			+++								
25	30						mod. lm	++	5% lm			+++								
30	35						Oxide - Sulfide 90-10	++	1%			+++			+					
35	40						Ox-Sul 50:50 mod lm	+	1-3%			+++								
40	45		Sulfide - greenish gray, light				95% Sulfide - tc, anh, lt gr.-gy		3-5%			+++								
45	50		quartz porphyry schist				Sul. qtz anh; local tarnished py		3-5%			+++								
50	55						same - ipy. stronger w/ qtz		3-5			+++								
55	60						"		3-5			+++								
60	65						same - gl chips, high sulfide		3-5		+	+++								
65	70						tc. anh.		5-10		+	+++								
70	75								3-5			+++								
75	80						fn. gr. chips, tc anh		3-5		++	+++								
80	85								3-5		++	+++								
85	90						tc. anh.		5-10		++	+++								
90	95						tc. anh.		5-10		++	+++								
95	100						tc. anh.		3-5		++	+++								

Water at 220'-trickle; 10 g.p.m. 300 to 400 T.D.

PROPERTY: Sugar Loaf Rock SHEET No. 2/4 HOLE No. SWR-1

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	FeO_2	% Py	Graph Py	Sil	Ser.	Chl. Epid.	Arg.	Gull Qtz	ASSAY RECORD SAMPLE No.	FROM	TO	REC FT. / %	SAMPLE LENGTH
100	105		light greenish-gray quartz						5-10		++	+++								
05	10		porphyry schist						5-10		++	+++								
10	15								5-10		++	+++								
15	20						tc. epidote?		5-10		+++	++	+							
20	25						10% clast. strong 90% gray sil. serfoliation		5-10		++	+++								
25	30						tc. epid.?		5-10		++	+++	+							
30	35								3-5		+	+++			+					
35	40								3-5		+	+++								
40	45								3-5		+	+++								
45	50								3-5		+	+++								
50	55								3-5		+	+++								
55	60								3-5		+	+++								
60	65						py strong in silified chips		3-5		++	+++								
65	70								5-10		+++	+++								
70	75								3-5		+	+++								
75	80						py up to 1mm		5-10		++	+++								
80	85								3-5		+	+++								
85	90								3-5		++	+++								
90	95						local strong py in sil clasts		5-10		++	+++								
195	200		(barren trickle)						3-5		+	+++								

PROPERTY: Sugarloaf Peak SHEET No. 3/4 HOLE No. SWR-1

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	FeOx	% Py	graph py	Sil	Ser.	chl. Epid.	Arg	Bull qtz	ASSAY RECORD SAMPLE No.	FROM	TO	REC. FT. / %	SAMPLE LENGTH
200	205		light greenish-gray quartz				py, vi fn to 0.5 mm		5-10		++	+++								
05	10		porphyry schist						5-10		+++	+++								
10	15								5-10		+++	+++								
15	20						vi fn grained dark min. spl. folr.		5-10		+++	+++								
20	25						tc. fn grained sphalerite,		3-5		++	+++								
25	30								3-5		++	+++			+					
30	35								5-10		++	+++								
35	40						rare fn-grained blk. min		5-10		+++	+++								
40	45						light green strong ser.		3-5		+	+++								
45	50						tc. epid.?, sil. chips v. light gray		3-5		++	+++								
50	55						tc dark min.		5-10		+	+++								
55	60								5-10		++	+++								
60	65						tc. dark min		3-5		+	+++								
65	70						Monotonous green ser. schist		3-5			+++								
70	75						tc. dark min		3-5			+++								
75	80								1-3			+++								
80	85								5-10		++	+++								
85	90		increase water				minor chlorite		3-5		+	+++	chl. +							
90	95		10-12 gal/min				minor chl + epid.		3-5			+++	+							
295	300						mod. chl + epid		3-5			+++	++							

PROPERTY: Sugarloaf Peak SHEET No. 4/4 HOLE No. SLP-1

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	STRUC	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	Fe Ox	% Py	Graph. Py	Sil.	Ser.	Chl. Epid.	Arg.	Bull Qtz	ASSAY RECORD SAMPLE No.	FROM	TO	REC. FT. / %	SAMPLE LENGTH
300	305		light to medium gray				tc. dark gray, fn grained silicified tc. ep. sp.?		1-3		+	+++	+							
05	10		quartz porphyry schist				mod. epid. med. dark green		1-3			+++	++							
10	15						minor sp.		3-5			+++	+							
15	20								1-3		++	+++								
20	25						tc sp?		1-3		+	+++								
25	30						light & dark gray		3-5			+++								
30	35						tc sp.? dark green		1-3			+++								
35	40						tc. fn. grained gray min. MoS_2? light green		1-3			+++			+					
40	45								3-5			+++			+					
45	50						tc. part. oxidized sulfide?		1-3			+++								
50	55						v. light gr.		1-3			+++								
55	60						10% qtz. with ~~py~~ dark min		3-5			+++								
60	65						large chips w/ qtz. & py veinlets		3-5			+++								
65	70						local coarse sphalerite		1-3			+++								
70	75						fn. grained sphalerite in qtz 0.5%		1-3			+++								
75	80						tc. py-sp in qtz		5-10			+++								
80	85						med green		3-5			+++								
85	90								1-3			+++								
90	95						tc. epid.?		3-5			+++	+							
95	400		(10 g.p.m. water)						3-5			+++								
	TD																			

PROPERTY: Sugarloaf Peak SHEET No. 1/c HOLE No. SWR-2

Sec. 33 T4N R20W ; Date Started 11-14-84 ; Completed 11-15-84 ; Bearing 0° ; Inclination -70° Drilling Services - Reverse ; T.D. 400' ; Log THY 11-17-84

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	FeOx	%Py	%Sp	Sil	Ser	Chl. Epid	Arg	% qtz
0	5		light + greenish gray,				No sample								
5	10		sericitized quartz porphyry				Oxidized - strong hm, lm, mod jar	+++				+++			
10	15		schist				mod hm-lm-jar.	++				++			5
15	20						same - tc fresh py	++	tc			++			2
20	25						same	++				++			
25	30						wk hm-lm	+				++			2
30	35						same	+				++			
35	40						strong pink hm mod lm	+++				++			
40	45						mod. lm-hm, tc fresh py	++	tc			++			2
45	50						Oxide - sulfide mix	++	1-3		+	++			5
50	55						tr. oxides		5-10		+++	+++			10
55	60						py slightly tarnished bleached		5-10		++	+++			2
60	65						bleached		3-5		+	+++			
65	70						same - tc orh		3-5			+++			2
70	75						same - tc. epid		3-5			+++	tc op.		
75	80						same - minor dark min? tc. anty		1-3				tc op.		
80	85						same		1-3			+++	tc op.		
85	90						pale green tc. orh		1-3			+++			
90	95						same - tr black min.		1-3			+++			2
95	100						same		1-3			+++			5

ASSAY RECORD

SAMPLE No.	FROM	TO	REC FT. / %	SAMPLE LENGTH

PROPERTY: Sugarloaf Peak SHEET No. 2/4 HOLE No. SWR-2

FEET FROM	FEET TO	FM	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	FeOx	%Py	%Sp	Sil	Ser.	Ch Ep	Arg	%qtz	ASSAY RECORD SAMPLE No.	FROM	TO	REC. FT. / %	SAMPLE LENGTH
100	105		greenish-gray, sericitized				py along foliation w/qtz		3-5	tc?	+	+++			5					
05	10		quartz porphyry				same - tc anh		3-5	tc?		+++			5					
10	15		s-fist				py brass tint..		5-10		+++	+++								
15	20								5-10	+c	+++	+++			2					
20	25						local brassy py.		5-10	+c+	++	+++			2					
25	30								5-10	+c?	+++	+++			5					
30	35						sp, wkly oxidized?		3-5	+c	+++	+++			5					
35	40								5-10	+c	+++	+++			2					
40	45								5-10	+c	+++	+++			5					
45	50								10-15	+c	+++	+++			5					
50	55								5-10	+c	++	+++			2					
55	60								3-5	+c	+	+++			2					
60	65						sp. black, rare oxid.?		3-5	+c?	++	+++			5					
65	70								5-10	+c?	++	+++			2					
70	75						med. gray - int. sil		10-15	+c	+++	+++			5					
75	80								5-10	+c	++	+++	+c sp.		2					
80	85								5-10	+c	+	+++			5					
85	90						+c anh.		10-15	+c	++	+++			2					
90	95								5-10	+c	+++	+++			2					
195	200								5-10	+c	+++	+++			2					

PROPERTY: Sugarloaf Peak SHEET No. 3/4 HOLE No. SWR-2

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	FeOx	%Py	%Sp	Sil	Ser	Cb Ep	Arg	% Gtz		ASSAY RECORD SAMPLE No.	FROM	TO	REC FT / %	SAMPLE LENGTH
200	205		greenish-gray sericitized																		
05	10		quartz porphyry schist				py along fol, light gray		5-10	tc	+	+++			5						
10	15								10-15	tc	++	+++			2						
15	20						lt. gray		5-10			+++									
20	25						med. gray		5-10	tc	+	+++									
25	30								3-5	tc		+++									
30	35								5-10			+++									
35	40								5-10	tc	+	+++									
40	45								3-5			+++				5					
45	50								5-10	tc		+++				20					
50	55						homogeneous schist		3-5			+++									
55	60								5-10	tc		+++									
60	65						qtz-py veinlets along fol.		5-10		+	+++									
65	70						fine py		5-10	tc		+++									
70	75								5-10	tc		+++									
75	80								5-10	tc		+++									
80	85								5-10	tc		+++									
85	90								5-10	tc		+++									
90	95								5-10	tc	+	+++									
295	300								5-10	tc		+++									
							V. strong sericite		5-10	tc		+++									

PROPERTY: Sugarloaf Peak SHEET No. 4/4 HOLE No. SWR-2

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	Fe_2O_3	% py	% sp	Sil	Ser	Cn Ep	Arg	% qtz	ASSAY RECORD SAMPLE No.	FROM	TO	REC FT. / %	SAMPLE LENGTH
300	305		greenish-gray, sericitized				med. green gray, strong ser		5-10	tc	++	+++			-					
05	10		quartz porphyry schist						5-10	tc	++	+++								
10	15								5-10	tc	+	+++								
15	20						dark green		10-15	tc	++	+++	tc ep							
20	25								5-10	tc	++	+++								
25	30								5-10	tc	++	+++								
30	35								5-10		++	+++								
35	40								10-15	tc	++	+++								
40	45								10-15	tc	++	+++	tc ep							
45	50								10-15	tc	++	+++								
50	55								10-15	tc	+++	+++								
55	60								10-15	tc	+++	+++								
60	65						One chip - 5% fresh fine sp.?		5-10	tc+	++	+++	tc ep							
65	70						light green		5-10	tc	+	+++								
70	75								5-10	tc	+	+++	tc ep.							
75	80								5-10	tc	++	+++								
80	85								3-5			+++								
85	90								5-10	tc	+	+++								
90	95								3-5	tc		+++								
395	400								3-5	tc		+++								
	TD																			

PROPERTY: Sugarloaf Peak SHEET No. 1/4 HOLE No. SWR-3

Township: Sec. 33, T 4N, R 20W	Collar co-ordinates: Water at 310 ft. - 400 ft	Dip Tests (true dips):	Total Depth: 400'
Range: La Paz Co., Arizona	Collar elevation: 1-2 g.p.m.	At:	Core Size: to ft.
Lot:	Bearing: —	At:	to ft.
Claim No.	Inclination: -90°	At:	Drilled by: Drilling Services - Reverse
Date started: 11-16-84	Date completed: 11-17-84	At:	Logged by: T. Tuong 12-7-84

GEOLOGICAL LOG

FEET FROM	FEET TO	FM	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	py	Sil	Ser	cl op	unid. orid. sulf.	unid. blk min	qtz	disp	Arg	ASSAY RECORD SAMPLE No.	FROM	TO	REC. FT. %	SAMPLE FNGTH
0	5		no sample																		
5	10		bleached, oxid. schist				strong alun.-jar., mod. lm		+++	+											
10	15		same				wk-mod lm-jar, mod lm/py		++	+											
15	20		same				same - strong red. hm mod. lm/py		++	+				5							
20	25		same				same - wk-mod hm			++											
25	30		same				wk lm-hm-jar			++											
30	35		same				same			++											
35	40		same				mod. jar-lm, mil. pink stain hm			++				tc							
40	45		mixed oxidized				wk jar-lm-hm	1		++											
45	50		same				mod red hm stain			++											
50	55		mixed light green schist soft > oxid				mod lm-jar on oxidized cl.	1		+++											
55	60		light gray schist				wk tan. py	1-3		++				5		?					
60	65		same				green py	1-3		++				5		?					
65	70		mod-lt green-gray schist					3-5	++	++				5							
70	75		mod gray & lt. gray				75% chips strong sil	3-5	+++	++											
75	80		mod. lt. gray					3-5	+	+++											
80	85		same					1-3	+	+++											
85	90		same					1-3	+	+++				tc							
90	95		mixed lt + dk gray				50% chip - int. sil w/py	1-3	++	++											
95	100		mod. lt. gray					1-3		+++			tc								

PROPERTY: Sugarloaf Peak SHEET No. 2/4 HOLE No. SWR-3

Township:	Collar co-ordinates:	Dip Tests (true dips):	Total Depth:
Range:	Collar elevation:	At:	Core Size: to ft.
Lot:	Bearing:	At:	: to ft.
Claim No.	Inclination:	At:	Drilled by:
Date started:	Date completed:	At:	Logged by:

GEOLOGICAL LOG

FEET FROM	FEET TO	FM	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	% Py	Sil	Ser	Ch Ep	Unid. Oxid. Sulf.	Vars blk. min	% Gtt	% Sp	Arg	SAMPLE No.	FROM	TO	REC. FT. %	SAMPLE LENGTH
100	105		dark green schist				wk tarn. py, wk oxid. powder on fracs	1-3		++	++ Ch.			tr all 40							
5	10		Same					1-3		++	++ Ch	+c.									
10	15		lt. green-gray schist				tc. gal(?)-sphalerite (honey colored)	1-3		+++		+c		5	+c						
15	20		med. green-gray					3-5	+	+++		+c+									
20	25		Same				tc. oxid. powder on fracs. mod. ep on fracs	1-3		++	ep-Ch ++	+c+									
25	30		same				mod. ch	1-3		++	Ch ++	+c									
30	35		dk green				chl.-strong	1-3		.	e-c +++	+c+	+c								
35	40		Same				same	1-3		.	e-c +++	+c+									
40	45		same				strong ch-ep	1-3			e-c +++	+c									
45	50		Same				tarn. py 5% oxid. chips mod. ch-ep (rust.)	1-3			ep Ch ++	+c+									
50	55		med. gray				minor oxid chips	1-3		++	ep Ch +	+c+									
55	60		Same					1-3	+++	+	ep +	+c+									
60	65		lt. green-gray					1-3	+	++		+c+									
65	70		same					1-3		+++		+c									
70	75		Same					1-3		+++		+c+									
75	80		v. lt. green-gray					1-3		+++		+c									
80	85		Same				local tarn. py	1-3		+++		+c									
85	90		med. gray-green				access strong gal? (fine gr)	1-3	++	++		+c+									
90	95		lt. gray					1-3	++	+		+c									
105	[illegible]		[illegible]				[illegible]	[illegible]	[illegible]	[illegible]		[illegible]									

PROPERTY: Sugarloaf Peak SHEET No. 3/4 HOLE No. SWR-3

Township:	Collar co-ordinates:	Dip Tests (true dips):	Total Depth:
Range:	Collar elevation:	At:	Core Size: to ft.
Lot:	Bearing:	At:	: to ft.
Claim No.	Inclination:	At:	Drilled by:
Date started:	Date completed:	At:	Logged by:

GEOLOGICAL LOG

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	op/	Sil	Ser.	ep. ch	unid. oxid. sulf	unid. oblir. mi.	Mo qtz	Mo sp	Arg.	ASSAY RECORD SAMPLE No.	FROM	TO	REC. FT. / %	SAMPLE LENGTH
200	205		med. green-gray schist					1-3		+++		tr+									
5	10		med-lt. green-gray					1-3	+	+++		tr									
10	15		Same					1-3	+	++		tr									
15	20		med. green					1-3	++	++		tr+									
20	25		Same					1-3	++	++		tr									
25	30		Same					1-3	+	++		tr+									
30	35		lt. med. green					1-3	+++	+		tr+									
35	40		lt. green gray					1-3		+++		tr+	tr								
40	45		Same					1-3	++	+		tr									
45	50		Same					1-3	++	++		tr+									
50	55		Same					3-5	+++	+		tr+									
55	60		Same					1-3	++	++		tr+	tr								
60	65		Same					1-3	+	+++		tr									
65	70		Same					1-3	++	+++		tr+	tr								
70	75		Same				minor bleach zone (Arg?)	1-3	+	++		tr				?					
75	80		Same					1-3		++		tr		bull 20							
80	85		Same					1-3		+++		tr									
85	90		Same					1-3		+++		tr									
90	95		Same					1-3		+++		tr									
[illegible]	[illegible]		[illegible]					1-3		+++		tr									

PROPERTY: Sugarloaf Peak SHEET No. 4/4 HOLE No. SWR-3

Township:	Collar co-ordinates:	Dip Tests (true dips):	Total Depth:
Range:	Collar elevation:	At:	Core Size: to ft.
Lot:	Bearing:	At:	: to ft.
Claim No.	Inclination:	At:	Drilled by:
Date started:	Date completed:	At:	Logged by:

GEOLOGICAL LOG

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	% Py	Sil	Ser.	ch sp	unid. oxide sulf.	unid. blk. min.	% Gal	% Sp	Arg.	ASSAY RECORD SAMPLE No.	FROM	TO	REC. FT. %	SAMPLE LENGTH
300	305		red-dk green-gray schist					1-3	+	+++		+c+									
5	10		same					3-5	++	+++		+c+									
10	15		light gray					1-3	+	+++		+c									
15	20		same					1-3	+	+++											
20	25		same					1-3	+	+++		+c									
25	30		same					1-3	+	+++		+c									
30	35							1-3	+	+++		+c									
35	40							1-3	+	+++		+c									
40	45							1-3	+	+++		+c									
45	50							1-3	+	+++		+c									
50	55							1-3	+	+++		+c	+c								
55	60		↓					1-3	++	+++		+c	+c								
60	65		grayish					1-3	++	++		+c									
65	70		↓					1-3	+++	++		+c		5							
70	75		light green-gray					1-3	+	++		+c	+c								
75	80							1-3	+	+++											
80	85							1-3	+	+++											
85	90							1-3	+	+++		+c		5							
90	95							1-	+	+++		+c									
95	[illegible]							1	+	+++		+c									

PROPERTY: Sugarloaf Peak SHEET No. 1/4 HOLE No. SWR-4

Township: Sec. 4 T 3N R20W	Collar co-ordinates:	Dip Tests (true dips):	Total Depth: 400'
Range: La Paz Co., Arizona	Collar elevation:	At:	Core Size: to ft.
Lot:	Bearing: 180°	At:	: to ft.
Claim No.	Inclination: -70°	At:	Drilled by: D. S. Reverse
Date started: 11-17-84	Date completed: 11-18-84	At:	Logged by: T. Young

GEOLOGICAL LOG

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	%py	Sil.	Ser.	ch. ep.	unid. oxid. sulf.	unid. black min.	% bull qtz	%sp	Arg.	ASSAY RECORD SAMPLE No.	FROM	TO	REC. FT. / %	SAMPLE LENGTH
0	5		no sample																		
5	10		bleached, white schist					Strg 1-2		++											
10	15									++											
15	20									++											
20	25									++											
25	30									++											
30	35		light gray-green schist					1		+++											
35	40							1		+++											
40	45						wk jar	1		+++											
45	50							1		+++											
50	55							1-3	++	+++											
55	60							1-3	++	+++											
60	65							1		+++											
65	70							1-3		+++	tr										
70	75							1		+++		tr									
75	80							1	+	+++											
80	85							1-3		+++		tr									
85	90							1		+++		tr									
90	95							1		+++		tr									

PROPERTY: Sugarloaf Peak SHEET No. 2/4 HOLE No. SWR-4

Township:	Collar co-ordinates:	Dip Tests (true dips):	Total Depth:
Range:	Collar elevation:	At:	Core Size: to ft.
Lot:	Bearing:	At:	: to ft.
Claim No.	Inclination:	At:	Drilled by:
Date started:	Date completed:	At:	Logged by:

GEOLOGICAL LOG

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	%py	Sil.	Ser.	ch. ep.	unid. oxid. sulf.	unid. black min.	%bull qtz	%sp	Arg.	AS RECORD SAMPLE No.	FROM	TO	REC FT / %	SAMPLE LENGTH
100	105		Very light gray silt																		
5	10							1-3		+++		+c									
10	15							1		+++		+c									
15	20							1-3		+++											
20	25							1-3		+++											
25	30							1-3		+++											
30	35							1-3	+	+++											
35	40						tc. ch.	1-3	++	+++											
40	45							1		+++		+c									
45	50							3-5	+++	+++	tc op	+c									
50	55							½-1		+++		+c									
55	60							1		+++											
60	65							1		+++											
65	70							1		+++		+c									
70	75							½-1		+++		+c									
75	80							1		+++		+c									
80	85							1	++	+++	tc op	+c									
85	90							1-3	++	+++	op tc										
90	95							1		+++		+c									
								1		+++		+c									

PROPERTY: Sugarloaf Peak SHEET No. 3/6 HOLE No. SWR-4

Township:	Collar co-ordinates:	Dip Tests (true dips):	Total Depth:
Range:	Collar elevation:	At:	Core Size: to ft.
Lot:	Bearing:	At:	: to ft.
Claim No.	Inclination:	At:	Drilled by:
Date started:	Date completed:	At:	Logged by:

GEOLOGICAL LOG

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	%py	Sil.	Ser.	ch. ep.	unid. oxid. sulf.	unid. black min.	%bull qtz	%sp	Arg.
20	205		light gray schist					1		+++						
5	10							1-3		+++						
10	15							1-3		++1		+c				
15	20							1-3		++1		+c				
20	25							3-5		+++		+c				
25	30							1-3		+++						
30	35							3-5		+++		+c				
35	40							1-3		++1		+c				
40	45							1		+++		+c				
45	50							1		+++						
50	55							1-3		++1		+c				
55	60							3-5		+++	+c ep	+c				
60	65							1-3	+	+++		+c				
65	70							3-5	++	+++		+c		5		
70	75							1-3	+++	+++						
75	80							+5	++	+++		+c				
80	85							3-5	++	+++		+c				
85	90							3-5	++	+++						
90	95							1-3	+	+++		+c				

ASSAY RECORD

SAMPLE No.	FROM	TO	REC. FT. %	SAMPLE LENGTH

PROPERTY: Sugarloaf Peak SHEET No. 4/4 HOLE No. SWR-K

Township:	Collar co-ordinates:	Dip Tests (true dips):	Total Depth:
Range:	Collar elevation:	At:	Core Size: to ft
Lot:	Bearing:	At:	: to ft
Claim No.	Inclination:	At:	Drilled by:
Date started:	Date completed:	At:	Logged by:

GEOLOGICAL LOG

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	%PY	Sil.	Ser.	ch. ep.	unid. oxid. sulf.	unid. black min.	% bull qtz	%sp	Arg.
300	305		light gray schist				greenish gray	1	+			tr				
5	10							1-3	+							
10	15							1-3	+			tr				
15	20						bleached	1		++						
20	25							1		++						
25	30							1		++		tr				
30	35						greenish gray	1-3	+	+++		tr				
35	40							1-3	++	+++		tr				
TO								1-3		++		tr				
45	50							1-3		+++						
50	55							1-3		+++		tr				
55	60							1-3		+++		tr				
60	65							1		+++		tr				
65	70							1		+++		tr				
70	75							1-3	++	+++				50		
75	80							1-3		++		tr				
80	85							1-3		++		tr				
85	90							1		+++						
90	95							1		+++				80		
395	400							1		+++		tr				

ASSAY RECORD

SAMPLE No.	FROM	TO	REC. FT. / %	SAMPLE LENGTH					

PROPERTY: Sugarloaf Peak SHEET No. 1/4 HOLE No. SWR-5

Sec. 4 T 3N R 7 ow ; Date Started 11-19-84 completed 11-19-84 Bearing 0° Inclination -60° Drilling Services - Reverse hammer TD 340' log TH 11-20

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	FeOx	%py	%sp	Sil	Ser	Ch Ep	Arg	% qtz		SAMPLE No.	FROM	TO	REC FT / %	SAMPLE LENGTH
0	5		greenish-gray, sericitized				no sample														
5	10		quartz porphyry schist				oxidized, bleached, mod lm to jar.	++				++									
10	15						Same - tr anhy	++				++									
15	20						Same	+				+									
20	25						Same - minor unoxid, silic. schist	+				+									
25	30						Same	+				+									
30	35						largely unoxid. gray, pyritic		1-3		+?	+									
35	40						Same, maybe arg. alt.?		1/2-1		+?	+									
40	45						Same - gray		1-3		++	+									
45	50						Same		1-3		++	+									
50	55						Same - non sil. (arg.?)		1-3			+?arg									
55	60						gray 1-2% unid. blak min		1-3		++	+?	tr ep								
60	65						Same ?		3-5		+	+?	tr ep.								
65							Same ? tr. anh.		1-3		+	+?									
70	75						Same tr. anhy		1-3			+?									
75	80						greenish-gray, sericitic		3-5			++									
80	85						Same		1-3			++									
85	90						gray, 2-3% blk min.		3-5		+	++									
90	95						Same 1-3% blk. min.		1-3			++			5						
95	100						Same		1-3			++									

ASSAY RECORD

Water - trickle @ 340 ft

PROPERTY: Sugarloaf Peak SHEET No. 2/2 HOLE No. SWR-5

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	FeOx	% py	% Sp	Sil	Ser	Ch Ep	Arg	% qtz	ASSAY RECORD SAMPLE No.	FROM	TO	REC FT. / %	SAMPLE LENGTH
100	105		greenish-gray, sericitized				gray, 1-2% void, gray min. tc. anhy.		1-3		+	+?								
05	10		quartz porphyry				same		1-3		+	+?								
10	15		schist				same		5-10		++	+?								
15	20						same - tc. black min		5-10		++	+?								
20	25						same tc to minor blk min		3-5		+	+?								
25	30						same		1-3			+?								
30	35						chips comp. w/ clays s+bar? same - black min - radial xtals		1-3					++?						
35	40						py tarnished - brassy tc. anh. sea lt. green - no blk min.		3-5			++								
40	45						same		1-3			++								
45	50						same		1-3			++								
50	55						same		1-3			++								
55	60						same		1-3			++								
60	65						same - strong ser.		1-3			+++								
65	70						same - py not as brassy		1-3			++								
70	75						same		1-3			++								
75	80						clays cement chips mixed rock, strong ulc py.		1-3			++			10					
80	[illegible]						same		1-3	tc?		++								
85	90						gray		1-3		+	++			5					
90	95						same		1-3	tc?	+	++								
195	200						greenish gray		1		+?	++								

PROPERTY: Sugarloaf Peak SHEET No. 3/4 HOLE No. SWR-5

FEET FROM	FEET TO	FM	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	FeOx	% py	% sp	Sil	Ser	ch Ep	Arg	% qtz	ASSAY RECORD SAMPLE No.	FROM	TO	REC FT / %	SAMPLE LENGTH
200	205		greenish gray				pyrite conc. strong schist, no qtz veinlets		1-3			++			5					
05	10		sericitic quartz				same		1-3			++								
10	15		porphyry schist				Same		1-3			++								
15	20						same		1-3			++								
20	25						Same		1-3			++								
25	30						mod. green color		1-3			++	tc ch							
30	35						tc. red. hm.?, med. green		1			+	mod ES							
35	40						minor ep, stch, blotch, py		1-3				ch +++							
40	45						Same		1				ch +++							
45	50						Same - minor ser		1			+	++							
50	55						sericitic - lighter green		5-10			+++								
55	60						same		3-5			+++								
60	65						chloritic		3-5			++	++							
65	70						Sericitic		3-5			+++								
70	75						same		3-5			+++								
75	80						same		1-3			+++								
80	85						same. reddish stain?		1-3			+++								
85	90						sericitic - 1% unid. blk. min		1-3			+++								
90	95						lighter color - 1% blk min		3-5	tc?	++	+++								
295	300						same		1-3		++	+++								

PROPERTY: Sugarloaf Peak SHEET No. 4/4 HOLE No. SWR-5

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	FeOx	% Py	% Sp	Sil	Ser	Ch Ep	Arg	% qtz	ASSAY RECORD SAMPLE No.	FROM	TO	REC FT / %	SAMPLE LENGTH
300	305		greenish-gray sericitic				v. light green mod. blk min wk schist		3-5		+++	+++								
05	10		quartz porphyry schist				same		3-5		+++	+++								
10	15						same		1-3		+++	+++								
15	20						same		3-5	tr?	+++	+++								
20	25						same		3-5		+++	+++								
25	30						same		1-3		+++	+++								
30	35						same		1-3	tr?	++	+++								
335	340						same		1-3		+++	+++								
	TD																			

PROPERTY: Sugarloaf Peak SHEET No. 1/4 HOLE No. SWR-6

Sec. 33 T4N R20W; Date Started 11-19-84 completed 11-84 Bearing Inclination -60° Drilling Services - Reverse hammer 0-280 tricone 280-400 TD 400' 7 HS 11-21-84

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	FeOx	% Py	% Sp	Sil	Ser	Cl Fp	Arg	% qtz		ASSAY RECORD SAMPLE No.	FROM	TO	REC FT / %	SAMPLE LENGTH
0	5		greenish-gray, sericitized				No Sample														
5	10		quartz porphyry schist				bleached, mod. jar-lm	+++				++									
10	15						Same - strong lm	+++				++									
15	20						Same. less lm	+++				++									
20	25						bleached - unident. platy blk min	+				++									
25	30						same - mod. lm	++				++									
30	35						Same - tc anh.	+				++									
35	40						Same	+				++									
40	45						Same	++				++									
45	50						mixed oxide - sulfide white - gray	+	1-3			++									
50	55						v. pale green - unident. blk min. pyrite in qtz veins		1-3			++			5						
55	60						Same - bt min absent		1-3			++			5						
60	65						Same		1			++									
65	70						Same		1-3	tc?		++									
70	75						Same		1			+++			5						
75	80						same tc blk min?		1			++									
80	85						Same - stronger ser.		1-3			+++									
85	90						Same		3-5			+++									
90	95						Same		3-5			+++									
95	100						Same tc. blk min?		1-3			+++									

PROPERTY: Sugarloaf Peak SHEET No. 2/4 HOLE No. Scu R-6

FEET FROM	FEET TO	FM	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	FeOx	%Py	%Sp	Sil	Ser	Ch Ep	Arg	% qtz	ASSAY RECORD SAMPLE No.	FROM	TO	REC FT. / %	SAMPLE LENGTH
100	105		greenish-gray, sericitized				tc. anh. mod. gray, minor bk min?		3-5		+	+++								
05	10		quartz porphyry				Same tc. bk min?		1-5		++	+++								
10	15		schist				Same		1-3			+++								
15	-20						Same		1-3		++	+++								
20	25						Same strong sil		1-3		+++	+++								
25	30						Same		1-3		+++	+++								
30	35						Same		1-3		+++	+++								
35	40						Same - tc. blk min?		3-5		+++	+++								
40	45						Same		1-3		+++	+++								
45	50						mod. gray, intense sil		3-5		+++	+++								
50	55						green-gray		3-5		+	+++								
55	60						Same - tc. blk min.?		1-3	tc?	+	+++								
60	65						Med. green - tc. blk min?		1-5	tc?	++	+++								
65	70						Same		1-3		++	+++								
70	75						Same		3-5	tc.?	++	+++								
75	80						lt. green		1		+	+++								
80	85						Same - 1/2% cp? tc. blk min. radial xtals		1-3	tc.?	++	+++								
85	90						light green - tc. cp.? tc. blk min -		1-3	tc?	++	+++								
90	95						Same - tc. brass, Py blk. min (cp?)		1-3	tc?	+++	+++	tc Ga							
195	200						Same tc. cp? blk min?		1-3	tc?	++	+++								

PROPERTY: Sugarloaf Peak SHEET No. 3/4 HOLE No. SUP-6

Township:	Collar co-ordinates:	Dip Tests (true dips):	Total Depth:
Range:	Collar elevation:	At:	Core Size: to ft.
Lot:	Bearing:	At:	: to ft.
Claim No.	Inclination:	At:	Drilled by:
Date started:	Date completed:	At:	Logged by:

GEOLOGICAL LOG

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	FeOx	%Py	%Sp	Sil	Ser	Cl Ep	Arg	%Opq
200	205		Greenish-gray, sericitized				med-dk green, tr. cp?, blk min?		1-3	tr?	+++	++			
5	10		quartz porphyry schist				Same - tr. blk min?		1-3	tr?	+++	++			
10	15						Same - tr. blk min?		1-3	tr?	+++	++			
15	20						Same - tr. blk. min, cp?		1-3	tr?	+++	++			
20	25						Same, tr. blk. min, cp?		1-3	tr?	+++	++			
25	30						v. light green, tr. anh.		1-3			+++			
30	35						bluish-gray ser. shear, brassy py? cp?		1-3		+	+++			
35	40						Same, brassy py? cp? tr blk min?		1-3		+	+++			
40	45						Same - same - same		1-3		+	+++			
45	50						mixed silt + ser. chips. tr blk min? + dk.		1-3	tr?	++	++			
50	55						gln. ser., pale green, tr. blk min		1-3		+	+++			
55	60						med. gray-green, brassy py? blk min		1-3	tr?	++	++			
60	65						Same.		1-3	tr?	+++	+++			
65	70						Same, brassy py? blk. min		1-3	tr?	+++	++			
70	75						Same, brassy py? blk min		1-3	tr?	+++	++	tr op		
75	80						Same, brassy py? blk min		1-3	tr?	+++	++	tr op		
80	85						Same, brassy py? blk min		1-3	tr?	++	++			
85	90						Same / /		1-3	tr?	++	++			
90	95						pale green, tr. MgS, ? in qtz		1-3	tr?	+++	++			10%
295	300														

ASSAY RECORD

SAMPLE No.	FROM	TO	REC. FT. %	SAMPLE LENGTH

PROPERTY: Sugarloaf Peak SHEET No. 4/4 HOLE No. SWR-6

Township:	Collar co-ordinates:	Dip Tests (true dips):	Total Depth:
Range:	Collar elevation:	At:	Core Size: to ft.
Lot:	Bearing:	At:	: to ft.
Claim No.	Inclination:	At:	Drilled by:
Date started:	Date completed:	At:	Logged by:

GEOLOGICAL LOG

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	Fe_2O_3	Mgty	Py,sp	Sil	Ser	Ch cp	Arg	Qtz
300	305		greenish-gray, sericitized,				med. green-tarnished py, ?cp?		1-3	tc?	+++	++			
5	10		quartz porphyry schist				Same-tc, blk min?		1-3	tc?	++	++			
10	15						Same-tc blk min? mostly fresh, occas. tarnished		1-3	tc?	++	++			
15	20						Same-tc blk min? Minor tar. py?		1-3	tc?	++	++			
20	25						Same-tc. blk min?		1-3	tc?	++	++			
25	30						pale green, tc, blk min?		1-3	tc?	++	++			
30	35						Same, tc. blk min?		1-3	tc?	+++	++			
35	40						Same, tc, tarnished py, ?cp?		1-3	tc?	++	++			
40	45						Same,		1-3	tc?	++	++			
45	50						Same tc. blk min?		3-5	tc?	++	++			
50	55						Same, tc. blk min?		3-5	tc?	++	++			
55	60						v. pale green, tc, pale green sp		3-5	tc	+++	+			
60	65						Same,		3-5	tc?	+++	+			
65	70						pale green		1-3	tc?	++	++			
70	75						Same, honeyt pale green sp. v. rare blue-gray mngt?		3-5	1	+++	+			
75	80						Same, same		3-5	½	+++	+			
80	85						pale green,		1-3	tc?	++	+++			
85	90						Same		3-5	tc	++	++			
390	395						Same, tc tarn. py? Arg?		1-3	tc?	+++	++			
	400														

ASSAY RECORD

SAMPLE No.	FROM	TO	REC. FT. / %	SAMPLE LENGTH

PROPERTY: Sugarloaf Peak SHEET No. 1/4 HOLE No. SWR-7

Township: Sec. 33, T4N, R20W	Collar co-ordinates:	Dip Tests (true dips):	Total Depth: 400'
Range: La Paz Co., Arizona	Collar elevation:	At:	Core Size: to ft.
Lot:	Bearing: 170°	At:	: to ft.
Claim No.	Inclination: -60°	At:	Drilled by: D.S.
Date started: 11-26-84	Date completed: 11-27-84	At:	Logged by: THV

GEOLOGICAL LOG

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	FeOx	%py	%sp	Sil	Ser	Ca Ep	Arg	%qtz
0	5						no sample								
5	10		bleached to greenish-gray,				med. green, pyrite, sec. (heavy to oxides)	25%	1-3		+++	++			
10	15		sericitized quartz				same, tr anh	80%	1		+++	++			
15	20		porphyry schist				same, tr. anh.	15%	3-5		+++	++			
20	25						same, tr anh	30%	1-3		++	++			
25	30						bleached, tr. blk. min.?	50%	1		+	++			
30	35						green-gray -	15%	1-3		++	++			
35	40						same, tr. anh.	30%	1-3		++	++			
40	45						lucoxide, tr. blk. min	5%	1-3		++	+++			
45	50						same, no blk. min	10%	3-5		++	+++			
50	55						mixed, bleached & gray	25%	3-5		+++	++		?	
55	60						bleached, tr. anh.	1-2%	1-3					++?	
60	65						med. gray	tr.	1-3		+	++			tr.
65	70						same		3-5		++	++			
70	75						greenish-gray		3-5		+++	++	tr. epi.		tr.
75	80						same		5-10		+++	++			tr. pink
80	85						light greenish-gray		3-5		++	++	tr. epi.		tr.
85	90						same		3-5		++	++			
90	95						same, tr. v fine py (blk.)		3-5		++	++			tr
95	100						dark green		5-10		+++	+	tr. epi		tr

ASSAY RECORD

SAMPLE No.	FROM	TO	REC. FT. / %	SAMPLE LENGTH

PROPERTY: Sugarloaf Peak SHEET No. 2/4 HOLE No. SWR-7

FEET FROM	FEET TO	FM	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	FeO.	% Py	% Sp	Sil	Ser	ch Ep	Arg	% Qtz		ASSAY RECORD SAMPLE No.	FROM	TO	REC FT. / %	SAMPLE LENGTH
0	105		Medium green-gray				med. to dk green		3-5		++	++			tc						
5	10		sericitized, quartz				same		5-10		+++	++	tc chl.								
10	15		porphyry schist				light green		3-5		++	++									
15	20						slightly bleached		5-10		+++	++									
20	25						Same		5-10		+++	++									
25	30						light green		3-5		++	++									
30	35						med. green		5-10		+++	+									
35	40						Same		5-10		+++	+			tc						
40	45						Same		5-10		+++	+									
45	50						Same		10-20		+++	+			tc.						
50	55						Same		5-.		++	+			tc						
55	60						med. green - 5% purple fl. tr. anth.		3-5		+	+++									
60	65						same - n. fl.		3-5			+++	tc. sp.								
65	70						same		3-5		+	++	tc. ep.								
70	75						Same, wk. tarnish on px		3-5		++	++									
75	80						Same - ± tarnished px tr. anth.		5-10		++	+++	mod. ep.								
80	85						med-dk green		3-5		+++	+									
85	90						same - v. fine, brown sp.(?)		3-5	tc.	+++	+	mod. ep.								
90	95						lts dk. green mix, tc. anh.		3-5		+	++	mod. ep.								
95	200						Same		3-5		+	+++			tc.						

PROPERTY: Sugarloaf Peak SHEET No. 3/4 HOLE No. SWR-7

FEET FROM	FEET TO	FM	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	FeOx	%Py	%sp	Sil	Ser	Cb Fp	Arg	%	ASSAY RECORD SAMPLE No.	FROM	TO	REC. FT. / %	SAMPLE LENGTH
200	205		Medium green-gray				light. green-gray		3-5		+	++								
5	10		sericitized quartz				med. gray		3-5		++	+								
10	15		porphyric schist				light, green-gray		1-3			+++			bull 30%					
15	20						same		1-3	tc?		+++			tc					
20	25						same, minor pink rhodochrosite (?)		+3	tc?		+++			bull 30%					
25	30						same - 20% pink min (?) boyte-alt.!		1-3			+++			bull 30%					
30	35						same - 5% pink min		3-5	tc?	++	++			bull 30%					
35	40						same - 5% pink min coats qtz		3-5		+	++			bull 30%					
40	45						same - no pink min		1-3		++	+			bull 60%					
45	50						same - tc. radial blk min "feather ore" (?)		1-3		++	++			bull 15%					
50	55						mottled - buff & green chips bx?		3-5		++	++			5%					
55	60						med. gray, strong sil. wk tarnish on some py		5-10	tc? +	+++	+								
60	65						same		5-10	tc? +	+++	+								
65	70						same. tarnished py (?)		3-5	tc? +	+++	+			10%					
70	75						med. green, schist,		1-3		+	+++			25%					
75	80						same.		3-5	tc?	++	+								
80	85						light, tarnished py		3-5		++	++								
85	90						med. green, ± tarnished py		1-3	tc?	+++	+								
90	95						dk green		1-5	tc?	+++	+								
295	300						same		1-3	tc?	+++	+			bull 10%					

PROPERTY: Sugarloaf Park SHEET No. 4/4 HOLE No. SWR-7

GEOLOGICAL LOG

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	FeOx	% Py	% sp	Sil	Ser.	Ch Ep	Arg	% Sulf	ASSAY RECORD SAMPLE No.	FROM	TO	REC. FT. / %	SAMPLE LENGTH
300	305		Medium green-gray				dk. green gray (ulk. chl.??)		3-5		+++	+++								
5	10		sericitized, quartz				same		3-5		+++	+++								
10	15		porphyry schist				same		3-5		+++	+++			10					
15	20						same		3-5	tc?	+++	+++								
20	25						med. green-gray		3-5	tc?	+++	++								
25	30						same		3-5	tc?	+++	++								
30	35						same		3-5	tc?	+++	++								
35	40						same		3-5	tc?	+++	++								
40	45						lt. green - white qtz w. fine grained MoS2(?)		3-5	tc?	+	+++			50%					
45	50						lt. green		3-5	tc?	+	+++								
50	55						same		1-3	tc?	+	+++								
55	60						same - stronger Sil		3-5	tc?	++	+++								
60	65						same		1-3	tc	+	+++								
65	70						same		3-5	tc	+	+++								
70	75						same		1-3	tc	+	+++								
75	80						lighter green		1-3	tc		+++			5					
80	85						med. green		3-5	tc	++	++								
85	90						med-dk green		1-3		++	++								
90	95						same		3-5		++	++								
395	400						med. green		1-3	tc?	+	+++								
	TD																			

PROPERTY: Sugarloaf Peak SHEET No. 1/3 HOLE No. SuR-8

Township: Sec. 33, T 4N, R 2 OW	Collar co-ordinates:	Dip Tests (true dips): water at 280+-300 TD	Total Depth: 300'
Range:	Collar elevation:	At: 1-2 g.p.m.	Core Size: to ft.
Lot:	Bearing:	At:	: to ft.
Claim No.	Inclination:	At:	Drilled by: D.S. - reverse circulation
Date started: 11-27-84	Date completed: 11-27-84	At:	Logged by: T.H.Y.

GEOLOGICAL LOG

FEET FROM	FEET TO	FM	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	% py	Sil	Ser.	chl. opq	unid. oxid. sulf.	unid. black min.	% bright	% sp	Arg.
0	5		No sample													
5	10		quartz-porphyry				cream-limonitic, oxidized									+
10	15		schist													+
15	20															+
20	25															+
25	30															+
30	35															+
35	40															+
40	45											++				+
45	50											++				+
50	55															+
55	60						chalky, local sericitic	tr/2	+	+	tr.					+
60	65						allophane overprint (?)	1-3	+	+			5			+
65	70							1-3		+						+
70	75							1-3		+						+
75	80							1-3		+						+
80	85							1-3		+			20			+
85	90							1-3		+			5			+
90	95							1-3		+			5			+
95	100							1-3		+			25			+

ASSAY RECORD

SAMPLE No.	FROM	TO	REC. FT. / %	SAMPLE LENGTH

PROPERTY: Sugarloaf Peak SHEET No. 2/3 HOLE No. SWP-8

Township:	Collar co-ordinates:	Dip Tests (true dips):	Total Depth:
Range:	Collar elevation:	At:	Core Size: to ft.
Lot:	Bearing:	At:	: to ft.
Claim No.	Inclination:	At:	Drilled by:
Date started:	Date completed:	At:	Logged by:

GEOLOGICAL LOG

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	% py	Sil	Ser	Ch ep	Unid oxid	Unid blk min	% bull qtz	% sp	Arg.
100	105		quartz porphyry				chalky (allophane?)	1-3		+				20		+
5	10		sericitic schist				local bullqtz w/rare	½-1		+						+
10	15		v. light gray				pyrite	½-1		+						+
15	20							½-1		+:				10		+
20	25							½-1		+						+
25	30							1-3		+						+
30	35							1-3		+						+
35	40							½-1		+				95		+
40	45							1-3	++	+						+
45	50							1-3	+	+						+
50	55							1-3	+	+						+
55	60							1-3		+						+
60	65							1-3		+						+
65	70							1-3		+						+
70	75							1-3		+						+
75	80							1-3		+						+
80	85							1-3	+	+				10		
85	90							3-5	++	+						
90	95							3-5	++	++						
95	[illegible]							[illegible]		[illegible]						

ASSAY RECORD

SAMPLE No.	FROM	TO	REC. FT. / %	SAMPLE LENGTH					

PROPERTY: Sugarloaf Peak SHEET No. 3/3 HOLE No. SWR-8

Township:	Collar co-ordinates:	Dip Tests (true dips):	Total Depth:
Range:	Collar elevation:	At:	Core Size: to ft.
Lot:	Bearing:	At:	: to ft.
Claim No.	Inclination:	At:	Drilled by:
Date started:	Date completed:	At:	Logged by:

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	% Py	Sil	Ser.	ch. op.	unid. oxid. sulf.	unid. black min	% bull qtz	Posp	Arg	SAMPLE No.	FROM	TO	REC. FT. / %	SAMPLE LENGTH
200	205		qtz-porphyry schist				med. to dark gray	1-3	++	++											
5	10		generally sericitic					1-3		+++											
10	15		medium gray					1-3		+++											
15	20							1-3		+++											
20	25						tr. anhydrite	½-1		+++											
25	30							1-3		+++											
30	35							1-3		+++											
35	40							1-3		+++											
40	45							1-3	+++	+++											
45	50							1-3		+++											
50	55							1-3		+++											
55	60							1-3		+++											
60	65							1-3		+++											
65	70							1-3		+++											
70	75						local strong sil.	1-3	++	+++											
75	80							1-3		+++											
80	85						light & dark gray	1-3		+++											
85	90						med. to dark gray	1-3		+++											
90	95							1-3		+++											

PROPERTY: Sugarloaf Peak SHEET No. 1/4 HOLE No. SWR-9

Township: Sec. 33, T4N, R20W	Collar co-ordinates:	Dip Tests (true dips):	Total Depth: 400
Range:	Collar elevation:	At:	Core Size: to ft.
Lot:	Bearing: 210°	At:	: to ft.
Claim No.	Inclination: -70°	At:	Drilled by: Drilling Services Reno
Date started: 11-29-84	Date completed: 11-30-84	At:	Logged by:

GEOLOGICAL LOG

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	% Py	Sil	Ser.	Ch. Ep.	unid. black min	% bitu	% Sp	Arg.
0	5		No sample												
5	10		quartz porphyry schist				cream-limonitic oxidized		+	++					
10	15								+	++					
15	20									++					
20	25								+	++					
25	30									++					
30	35									++					
35	40									++					
40	45									+++					
45	50									++					
50	55						mixed oxide-sulfide	tr	+	+++					
55	60						light-medgray	½-1	+++	+++					
60	65						strong limonite stain	1-3	++	+++					
65	70						minor oxidation along fracs	½-1	+	+++					
70	75							¼-½	+	+++					
75	80							½-1	+	+++					
80	85							½-1	+	+++					
85	90							1-3	+	+++					
90	95							1-3	+	+++			5		
95	100							1-3	+	+++			10		

ASSAY RECORD

SAMPLE No.	FROM	TO	REC. FT. / %	SAMPLE LENGTH

PROPERTY: Sugarloaf Peak SHEET No. 3/6 HOLE No. SWR-9

Township:	Collar co-ordinates:	Dip Tests (true dips):	Total Depth:
Range:	Collar elevation:	At:	Core Size: to ft.
Lot:	Bearing:	At:	: to ft.
Claim No.	Inclination:	At:	Drilled by:
Date started:	Date completed:	At:	Logged by:

GEOLOGICAL LOG

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	%py	Sil	Ser.	Ch. ep.	Unid. blk. min	% Sulf.	%sp	Arg	ASSAY RECORD SAMPLE No.	FROM	TO	REC. FT. / %	SAMPLE LENGTH
100	105		quartz porphyry																	
5	10		schist				mod. gray	1-3	+	++1										
10	15							1-3	+	++2										
15	20							1-3	2	++2										
20	25							1-3	+	++1										
25	30						dark gray	1-3	+++	+++										
30	35							1-3	++	+++										
35	40						mod. gray	1-3	+	+++										
40	45							1-3	2	+++			TL							
45	50						dark gray	1-3	++	+++										
50	55							1/2-1	++	+++										
55	60							1/2-1	++	+++	tr ep.									
60	65							1-3	++	+++										
65	70							1-3	+	+++										
70	75						mod. gray	1-3	+	+++										
75	80							1-3	+	+++										
80	85							1-3	++r	+++										
85	90							1-3	++	+++										
90	95							1-3	+	+++										
175	200							1-3	+	+++										

PROPERTY: Sugarloaf Peak SHEET No. 3/4 HOLE No. SWR-9

Township:	Collar co-ordinates:	Dip Tests (true dips):	Total Depth:
Range:	Collar elevation:	At:	Core Size: to ft.
Lot:	Bearing:	At:	to ft.
Claim No.	Inclination:	At:	Drilled by:
Date started:	Date completed:	At:	Logged by:

GEOLOGICAL LOG

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	% Cpy	Sil	Ser	Chl, Ep	Unid. blk. Min	% Bull. 972	% Asp	Arg
200	205		qtz. porphyry schist				dark gray	1-3	++	+++					
5	10							1-3	+++	+++					
10	15							1-3	++	+++	wk. Epidote				
15	20							1/2-1	++	+++					
20	25						med. gray	1-3	+	+++					
25	30							1-3	++	+++					
30	35							1-3	+	+++					
35	40							1-3	++	+++					
40	45						dark gray	1-3	+++	+++					
45	50						med. gray	1-3	++	+++					
50	55							1-3	++	+++					
55	60							1-3	++	+++					
60	65							1-3	++	+++					
65	70							1-3	++	+++					
70	75							1-3	++	+++					
75	80							1-3	++	+++					
80	85							1-3	++	+++					
85	90						light to med. gray	1-3	++	+++					
90	95							1-3	+	+++					
295	300							1-3		+++					
								1-3		+++					

ASSAY RECORD

SAMPLE No.	FROM	TO	REC. FT. %	SAMPLE LENGTH

PROPERTY: Sugarloaf Peak SHEET No. 4/4 HOLE No. SWR-9

Township:	Collar co-ordinates:	Dip Tests (true dips):	Total Depth:
Range:	Collar elevation:	At:	Core Size: to ft.
Lot:	Bearing:	At:	: to ft.
Claim No.	Inclination:	At:	Drilled by:
Date started:	Date completed:	At:	Logged by:

GEOLOGICAL LOG

FEET FROM	FEET TO	ROCK TYPE / STRUCTURE: FM	DESCRIPTION	Struc	LOG	ALTERATION / MINERALIZATION: LOG	DESCRIPTION	%py	Sil	Ser	ch. ep.	unidentified min	% bull qtz	%sp	Arg
300	305		quartz porphyry				med-gray-consistent	1-3	+	+++					
5	10		schist					1-3	+	+++			10		
10	15							1-3	+	+++					
15	20							1-3	+	+++					
20	25							1/2-1	+	+++					
25	30							1-3	+	+++					
30	35							1-3	+	+++					
35	40							1-3	+	+++					
40	45							1-3	+	+++					
45	50							1-3	+	+++					
50	55							1-3	+	+++					
55	60							1-3	+	+++					
60	65							1-3	+	+++					
65	70							1-3	+	+++					
70	75							1-3	+	+++					
75	80							1-3	+	+++					
80	85							1-3	+	+++					
85	90							1-3	+	+++					
90	95							1-3	+	+++					
395	400 70							1-3	+	+++					
								3-5	+	+++					

ASSAY RECORD

SAMPLE No.	FROM	TO	REC. FT. %	SAMPLE LENGTH

PROPERTY: Sugarloaf Peak SHEET No. 1/4 HOLE No. SWR-10

Township: sec. 33, T4N, R2W	Collar co-ordinates:	Dip Tests (true dips):	Total Depth: 400'
Range:	Collar elevation:	At:	Core Size: to ft.
Lot:	Bearing: 170°	At:	: to ft.
Claim No.	Inclination: -70°	At:	Drilled by: Drilling Services Reverse
Date started: 11-30-84	Date completed: 12-2-84	At:	Logged by: THY 12-2-84

FEET — GEOLOGICAL LOG — ASSAY RECORD

-all rock-- quartz porphyry schist

FROM	TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	%py	Sil	Ser	ch Ep	unidnt. Oxid. sulf.	unidnt. Gray min.	qtz	%sp
0	5		no sample												
5	10		bleached - oxidized				lm-jar. - mod.			++					
10	15		same -				lm-jar-tc alun.-mod			++					
15	20		same				mod. lm-jar-tc alun.			++			tc		
20	25		same				wk-lm-jar, tc. ank			++			tc		
25	30		same				same			++			tc		
30	35		v. pale green				v. wk lm			++			tc		
35	40		same				wk. lm.-jar, tc. ank			++			tc		
40	45		same				same			++			tc		
45	[illegible]		light gray				tc. jar.	1-3	+	++			tc		
5[illegible]	55		greenish-gray				tc. tarn. py, tc. ank.	1-3	+	+++					
55	60		same				same	1-3	+	+++					
60	65		same				tc. ank.	1-3	++	+++					
65	70		light gray				tc. ank	1-3	+	+++					
70	75		same				tc. tarnished py	1-3	+	+++					
75	80		same				tc. ank	1-3	++	++					
80	85		sil. light gray				tc. ank.	1-3	++	++			tc		
85	90		same					1-3	+++	+			tc		
90	95		mod. gray					1-3	+	+++				tc	
95	100		same				minor cream-pink c. loaded min/qtz		+	++				5	

ASSAY RECORD

SAMPLE No.	FROM	TO	REC. FT. / %	SAMPLE LENGTH

water @ 24', 20 g.p.m @ 400'

PROPERTY: Sugarloaf Peak SHEET No. 2/4 HOLE No. SWR-10

Township:	Collar co-ordinates:	Dip Tests (true dips):	Total Depth:
Range:	Collar elevation:	At:	Core Size: to ft.
Lot:	Bearing:	At:	: to ft.
Claim No.	Inclination:	At:	Drilled by:
Date started:	Date completed:	At:	Logged by:

GEOLOGICAL LOG

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	% Py	Sil	Ser	Ch Ep	Undat Oxid. suff.	Undat gray mat. min	qtz	% sp	ASSAY RECORD SAMPLE No.	FROM	TO	REC FT. / %	SAMPLE LENGTH
100	105		pale green sericitic schist				tr anh	1		+++										
105	110		Same				tr anh	1-3	+	+++										
110	115		Same				blk min-radial ktals tr anh, minor tarnished py	1-3	+	+++			tr							
115	120		Same				local strong tarnished py	1-3	++	++				bull 40						
120	125		medium-dark green-gray					3-5	+++	++		tr		tr						
125	130		same					1-3	+++	++		tr								
130	135		same				coarse chips qtz-py vnlts, local tar. py	3-5	+++	+		tr	tr							
135	140		Same				Same	3-5	+++	+		tr	tr							
	145		medium green-gray				trace dk gray sphalerite?	1-3	++	++		tr	tr		tr?					
145	150		mixed, med + med-dk green-gy				Coarse chips	1-3	++	++		tr+	tr							
150	155		light green				Coarse chips	1-3		+++		tr								
155	160		med. green					1-3	+	+++		tr								
160	165		dark green				dark rimmed qtz-py vnlts - pale epidote?	3-5	++	+	ep?	tr	tr?							
165	170		med. green				dark rimmed qtz-py vnlts	3-5	++	+	ep?	tr	tr?							
170	175		light green					3-5	+++	+		tr	tr	5						
175	180		same					1-3	+++	++		tr								
180	185		med. green					1-3	++	++		tr	tr							
185	190		med. green					3-5	+++	+++		tr		5						
190	195		med. green					1-3	+	+++		tr		bull ?						
195	200		same				blk min radial ktals	3-5	+	+++		tr	tr							

PROPERTY: Sugarloaf Peak SHEET No. 3/4 HOLE No. SWR-10

Township:	Collar co-ordinates:	Dip Tests (true dips):	Total Depth:
Range:	Collar elevation:	At:	Core Size: to ft
Lot:	Bearing:	At:	: to ft.
Claim No.	Inclination:	At:	Drilled by:
Date started:	Date completed:	At:	Logged by:

GEOLOGICAL LOG

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	% py	Sil	Ser	Chl	Unidentified Oxide Stuff	Unidentified black mineral	% gal	% sp
200	205		med-dk green-gray schist				local tarnished py	3-5	++	++		+c		w/py +c	
5	10		same				same	1-3	++	++		+c	+c		
10	15		lt. gray					5-10	+++	+		+c			
15	20		med. green gray					1-3	++	+++		+c			
20			med light & med. green gray				local tarnished py	3-5	+	+++		+c			
25	30		same				alt-py units	3-5	+	+++		+c	+c		
30	35		light green-gray					1-3		++		+c			
35	40		same					1-3		+++		+c		5	
40	45		same					1-3		++		+c			
45	50		same					3-5	+	++		+c			
50	55		mixed lt. green & med. green					1-3	+	+++		+c			
55	60		med. green					1-3	+	+++		+c	+c		
60	65		lt. green					1-3		+++		+c			
65	70		same					1-3	+++	+		+c			
70	75		same				tc. sp (green mylinite qtz)	1-3	+++	+		+c		20	
75	80		same					3-5	+++	+		+c			
80	85		same					5-10	+++	+		+c			
85	90		pale green				py med. tarnished - cp?	5-10	++	++		+c			
90	95		same				less tarnish on py, little	3-5	+++	+		+c			
295	300		same				py fresh	3-5	+++	+		+c			

ASSAY RECORD

SAMPLE No.	FROM	TO	REC. FT. / %	SAMPLE LENGTH

PROPERTY: Sugarloaf Peak SHEET No. 4/4 HOLE No. SWR-10

Township:	Collar co-ordinates:	Dip Tests (true dips):	Total Depth:
Range:	Collar elevation:	At:	Core Size: to ft.
Lot:	Bearing:	At:	: to ft.
Claim No.	Inclination:	At:	Drilled by:
Date started:	Date completed:	At:	Logged by:

GEOLOGICAL LOG

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	%py	Sil	Ser	Ch ep	unidt orig sulf	unidt black min	%qtz	%sp
300	305		v. light green-gray schist				heavy pyrite locally	3-5	+	++		tc			
5	10		Same					1-3	+	+++		tc			
10	15		same					1-3	++	++		tc	tc		
15	20		Same					1-3	+	+++		tc			
20	25		same				heavy pyrite locally	3-5	++	++		tc			
25	30		Same				v. coarse chlor	3-5	++	+		tc			
30	35		Same					3-5	++	++		tc			
35	40		med. green-gray					1-3	++	++		tc			
40	[illegible]		same					1-3	++	+		tc			
45	[illegible]		[illegible]e					1-3	+++	+		tc			
50	55		light+med. green-gray					1-3	+	+++		tc			
55	60		Same					1-3		+++		tc			
60	65		med-dk greenish gray				chlorite?	1-3	+	++	ch?	tc			
65	70		med greenish gray					1-3	+	+++		tc			
70	75		pale green				minor red/light oxidized chips (rsa+gn?)	1-3	++	+		tc		5	
75	80		med green-gray					3-5	+++	+		tc			
80	85		pale green					1-3		+++					
85	90		mixed pale & med green-gray					1-3	++	++		tc			
90	95		med. green-gray					1-3	++	++		tc			
395	300 TD		dk green-gray				chlorite (?)	1-3		++	tr qtz, ch	tc	tc		

ASSAY RECORD

SAMPLE No.	FROM	TO	REC FT. / %	SAMPLE LENGTH

PROPERTY: Sugarloaf Peak SHEET No. 1/4 HOLE No. SWR-11

Township: sec. 33, T4N, R20W	Collar co-ordinates:	Dip Tests (true dips):	Total Depth: 400
Range:	Collar elevation:	At:	Core Size: to ft.
Lot:	Bearing: 160°	At:	: to ft.
Claim No.	Inclination: -70°	At:	Drilled by: D. S., reverse
Date started: 12-2-84	Date completed: 12-3-84	At:	Logged by: T. L.

GEOLOGICAL LOG

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	% Py	Sil	Ser	Ch Ep	unid. blk. min.	% Sil	% Sp	Arg.
0	5		No sample												
5	10		qtz-porphyry schist				bleached with local			+++					
10	15						Mod. Im stain		++	+++					
15	20									+++					
20	25									+++					
25	30									+++					
30	35									+++					
35	40									+++					
40										+++					
45	50						med-dark gray-monotonous	tr	+	+++					
50	55							½-1	+	+++					
55	60							1-3	+	+++			10		
60	65							1-3	+	+++					
65	70							1-3	+	+++					
70	75							1-3	+	+++					
75	80							1-3	+	+++					
80	85							½-1	+	+++					
85	90							1-3	+	+++					
90	95							1-3	+	+++					
95	100							1-3	+	+++					

Minor water at 400

ASSAY RECORD

SAMPLE No.	FROM	TO	REC. FT. / %	SAMPLE LENGTH

PROPERTY: Sugarloaf Peak SHEET No. 2/4 HOLE No. SUR-11

Township:	Collar co-ordinates:	Dip Tests (true dips):	Total Depth:
Range:	Collar elevation:	At:	Core Size: to ft.
Lot:	Bearing:	At:	: to ft.
Claim No.	Inclination:	At:	Drilled by:
Date started:	Date completed:	At:	Logged by:

GEOLOGICAL LOG

FEET FROM	FEET TO	FM	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	%sp/y	Sil	Ser	Ch ep	unid. DK min	% quartz	% sp	Arg	ASSAY RECORD SAMPLE No.	FROM	TO	REC. FT. / %	SAMPLE LENGTH
100	105		quartz porphyry schist				med. gray	1-3	+	+++											
5	10							1-3	+	+++											
10	15							1-3	+	+++											
15	20							1-3	+	+++											
20	25							1-3	+	++											
25	30							3-5	+	++											
30	35							1-3	+	++											
35	40							1-3	+	++											
40	45							1-3	+	+++											
45	50							1-3	++	+++											
50	55						med-dark gray	3-5	++	+++											
55	60							1-3	++	+++											
60	65							1-3	++	+++											
65	70						med-light gray	1-3	+	+++											
70	75							1-3	+	+++											
75	80							3-5	+	+++											
80	85							3-5	+	+++											
85	90							1-3	+	+++			+c								
90	95							1-3	+	+++											
195	200							1-3	+	+++											

PROPERTY: Sugarloaf Peak SHEET No. 3/4 HOLE No. SWR-11

Township:	Collar co-ordinates:	Dip Tests (true dips):	Total Depth:
Range:	Collar elevation:	At:	Core Size: to ft.
Lot:	Bearing:	At:	: to ft.
Claim No.	Inclination:	At:	Drilled by:
Date started:	Date completed:	At:	Logged by:

FEET		GEOLOGICAL LOG																ASSAY RECORD								
		ROCK TYPE / STRUCTURE				ALTERATION / MINERALIZATION																				
FROM	TO	F M	DESCRIPTION	Struc	LOG	LOG	DESCRIPTION	% py	Sil	Ser	ch ep	unid blk min	m. bull qtz	% sp	Arg		SAMPLE No.	FROM	TO	REC FT. / %	SAMPLE LENGTH					
200	205		quartz porphyry				med. gray	1-3	++	+++																
5	10		schist					1-3	++	+++																
10	15							3-5	++	+++																
15	20							1-3	++	+++																
20	25							3-5	++	+++																
25	30						med-dark gray	3-5	+++	+++																
30	35						med gray	3-5	+	+++																
35	40							3-5	+++	+++																
40	45							1-3	+++	+++																
45	50							1-3	++	+++																
50	55							1-3	+	++																
55	60							1-3	+	++																
60	65							1-3	+	+++																
65	70							1-3	+	++																
70	75						greenish gray	1-3	+	+++	ep-gm															
75	80							1-3	+	+++	ep-gm															
80	85						med. gray	1-3	+	+++																
85	90							1-3	+	+++																
90	95							1-3	+	+++																
295	300							3-5	+	+++																

PROPERTY: Sugarloaf Peak SHEET No. 4/4 HOLE No. SWR-11

Township:	Collar co-ordinates:		
Range:	Collar elevation:	Dip Tests (true dips):	Total Depth:
Lot:	Bearing:	At:	Core Size: to ft.
Claim No.	Inclination:	At:	: to ft.
Date started:	Date completed:	At:	Drilled by:
		At:	Logged by:

GEOLOGICAL LOG

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	% Py	Sil	Ser	ch ep	unid. blk. min	% buff qtz	% sp	Arg	ASSAY RECORD SAMPLE No.	FROM	TO	REC FT. / %	SAMPLE LENGTH
300	305		quartz porphyry schist				med. gray													
5	10							1-3	++	+++										
10	15							3-5	+++	+++										
15	20							1-3	+++	+++										
20	25							1-3	++	+++										
25	30							3-5	+	+++										
30	35							3-5	+	+++										
35	40							3-5	+	+++		+2								
40	45							3-5	+	+++										
45	50							3-5	+	+++										
50	55							3-5	+	+++										
55	60							1-3	+	+++										
60	65							3-5	+	+++										
65	70							3-5	+	+++										
70	75							1-3	+	+++										
75	80						light-med gray	1-3	+	+++										
80	85							1-3	+	+++			+2							
85	90							3-5	+	+++			25							
90	95							3-5	+	+++										
395	402 TD							3-5	+	+++										
								1-3	+	+++										

PROPERTY: Sugarloaf Peak SHEET No. 1/3 HOLE No. SWR-12

Township: sec. 33, T4N R2W	Collar co-ordinates:	Dip Tests (true dips):	Total Depth: 300'
Range:	Collar elevation:	At:	Core Size: to ft.
Lot:	Bearing: 200°	At:	: to ft.
Claim No.	Inclination: -70°	At:	Drilled by: D.S. - reverse
Date started: 12-4-84	Date completed: 12-4-84	At:	Logged by:

GEOLOGICAL LOG

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	% py	Sil	Ser	Ch ep	unidt. oxid. iron	unid. blk min	% opq	% sp	Arg	SAMPLE No.	FROM	TO	REC. FT. / %	SAMPLE LENGTH
0	5		no sample																		
5	10		no sample																		
10	15		bleached sericitic qtz. por. schist				oxidized, mod. lm-jar tr. anh.			++											
15	20		same				same - wk. lm., tr. anh.			++											
20	25		same				same, tr. anh.			++											
25	30		same				same			++											
30	35		same				same			++											
35	40		same				same, wk lm-jar.			++											
40	45		same				strong lm-hm, pseud/py			++			tr?								
45	50		same, v. pale green				mod jar-lm			++											
50	55		same				strong lm-jar. vnlts			++											
55	60		same				mod lm-jar. vnlts, tr anh.			++											
60	65		gray, v. kly, ox.				wk lm, minor reddish hm w/o wk.	1-3		++			tr			?					
65	70		same - unoxid. soft				tarnish py, wk ox. rim	1-3		++			w/py 10			?					
70	75		same				same, py w/ jarositic rims	3-5		++			w/py 5			?					
75	80		same				same "	1-3		++			w/py 5			?					
80	85		same				same "	1-3		++			w/py 5			?					
85	90		same				same "	1-3		++			w/py 5			?					
90	95		same				same "	3-5		++						?					
95	100		dk. med. gray & lo. lt. gray					3-5	+++	++						?					

water: trickle at 210 to EOH. inject 250-300

PROPERTY: Sugarloaf Peak SHEET No. 2/3 HOLE No. SWR-12

Township:	Collar co-ordinates:	Dip Tests (true dips):	Total Depth:
Range:	Collar elevation:	At:	Core Size: to ft.
Lot:	Bearing:	At:	: to ft.
Claim No.	Inclination:	At:	Drilled by:
Date started:	Date completed:	At:	Logged by:

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	% py	Sil	Ser	Cb pp	unid. oxid. sulf.	unid. blk. min	Mgt	Gsp	Arg.	ASSAY RECORD SAMPLE No.	FROM	TO	REC. FT. / %	SAMPLE LENGTH
100	105		med-dark gray gabbro					3-5	+++	+											
5	10		same					3-5	+++	+											
10	15		same - greenish-gray				local tarnished (brassy) py	3-5	+++	+											
15	20		same - dk greenish-gray				occassial py up to ¼" diam	3-5	+++	+	unk ch?										
20	25		med.-dk gray				tc. anh, local tarn. py	3-5	+++	+		tc									
25	30		same				occass. tarn. py	3-5	+++	+		tc			tc						
30	35		same				rare - orange volt. (?sphal.?)	3-5	++	+											
35	40		same					3-5	++	2											
40	45		med gray-green					3-5	++	1											
							tc. anh.	1-3		++											
50	55		same					3-5		++											
55	60		lt. green-gray				local strong py, blk min/sil.	3-5	+	++			3-5%								
60	65		same					3-5		++											
65	70		lt + med. gray				wk ox. w/anh. strong py w/sil.	3-5	++	++											
70	75		same				wk ox. w/anh or minor frac	3-5	++	++											
75	80		med. gray				strong py esp w/ oxid.	5-10	+++	+			tc								
80	85		same				" "	5-10	+++	+			1-3%								
85	90		same				local tarnished py "	5-10	+++	+			1-3%								
90	95		same				same tc. anh. "	5-10	+++	+			1-3%								
195	200		med + lt. gray				same wk oxid.	5-10	++	++											

PROPERTY: Sugarloaf Peak SHEET No. 3/3 HOLE No. SU R-12

Township:	Collar co-ordinates:	Dip Tests (true dips):	Total Depth:
Range:	Collar elevation:	At:	Core Size: to ft.
Lot:	Bearing:	At:	: to ft.
Claim No.	Inclination:	At:	Drilled by:
Date started:	Date completed:	At:	Logged by:

GEOLOGICAL LOG

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	Py	Sil	Ser	Cy	Unid. Sulf.	Unid. blk. min	Sphe	Tsp	Arg
200	205		med. gray, wk schistosity				tarnished py, v. wk oxid. tc. v. fine-grained, blue	3-5	+++	+						
5	10		same				same, gray, not min. PSS? MS?	3-5	+++	+						
10	15		med. gray - same				tarnished py, tc. carb.	3-5	++	++				3		
15	20		dk gray to white chalky				num. dk. garnets, tar. py	3-5	++	+						tc?
20	25		dk. gray				occass. tarn. py	1-3	+++	+						
25	30		same				same	1-3	++	+		tc	tc?			
30	35		same				same	1-3	++	+		tc	tc?			
35	40		same				py pred. tarn.	1	+++	+						
40	45		med. dk gray				mod. fresh py occas tarn. py	1-3	++	++			?		w/py tc	
[illegible]			[illegible]				stain, tarn. on py	3-5	++	+					w/py	
50	55		green-gray schist				1 tarn. py	1-3		+++					w/py tc	
55	60		same, wk schist				same	1-3	++	+		tc				
60	65		same				py pred. tarn.	3-5	++	+		tc				
65	70		same				same	3-5	+	++						
70	75		lt gray wk to med. schist				occass. tarn. py	1-3		++		tc				
75	80		same				mod. fresh py	1-3		+++			tc?			
80	85		med. gray				same	1-3	+	++		tc				
85	90		same				same	1-3	+	+++		tc				
90	95		same				same	1-3	+	++		tc				
295	300 TD		same				same	1-3		+++						

ASSAY RECORD

SAMPLE No.	FROM	TO	REC. FT. / %	SAMPLE LENGTH					

N.x 1077

PROPERTY: Sugarloaf Peak SHEET No. 1/3 HOLE No. SWR-13

Township: Sec. 33, T4N, R20W	Collar co-ordinates:	Dip Tests (true dips):	Total Depth:
Range:	Collar elevation:	At:	Core Size: to ft.
Lot:	Bearing: 160°	At:	: to ft.
Claim No.	Inclination: -70°	At:	Drilled by: D.S. - reverse
Date started: 12-5-84	Date completed: 12-5-84	At:	Logged by:

FEET		GEOLOGICAL LOG						ASSAY RECORD				
		ROCK TYPE / STRUCTURE				ALTERATION / MINERALIZATION						
FROM	TO	F M	DESCRIPTION	Struc	LOG	LOG	DESCRIPTION	SAMPLE No.	FROM	TO	REC. FT. / %	SAMPLE LENGTH

Not logged

PROPERTY: Sugarloaf Peak SHEET No. 1 HOLE No. SWR-14

Township: Sec. 3, T3N, R20W	Collar co-ordinates:	Dip Tests (true dips):	Total Depth:
Range:	Collar elevation:	At:	Core Size: to ft.
Lot:	Bearing: 180°	At:	: to ft.
Claim No.	Inclination: -40°	At:	Drilled by: D.S. reverse hammer
Date started: 12-7-84	Date completed:	At:	Logged by:

GEOLOGICAL LOG

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	ALTERATION / MINERALIZATION LOG	DESCRIPTION

ASSAY RECORD

SAMPLE No.	FROM	TO	REC. FT. / %	SAMPLE LENGTH

PROPERTY: Sugarloaf Peak SHEET No. 1 of 3 HOLE No. SWR-15

Township:	Collar co-ordinates:	Dip Tests (true dips):	Total Depth:
Range:	Collar elevation:	At:	Core Size: to
Lot:	Bearing: 290°	At:	: to
Claim No.	Inclination: -50°	At:	Drilled by:
Date started: 6-17-85	Date completed: 6-17-85	At:	Logged by:

GEOLOGICAL LOG

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	% Py	Sil	pyrph	% bull qtz
0	5		No Sample								
5	10										
10	15										
15	20		qtz porphyry schist				Strong reddish hem. stain mixed qtz-filleted & pyrophyl.		++	+	25
20	25		generally with strong						+	++	
25	30		pyrophyllite groundmass							+++	
30	35									+++	
35	40									+++	
	45									+++	
45							minor reddish hem stain			+++	5
50	55									+++	5
55	60									+++	
60	65									+++	20
65	70									+++	
70	75									+++	
75	80									+++	
80	85						Mod. jarosite (?) veinlets			+++	
85	90						minor jarosite			+++	25
90	95									+++	
95	100									+++	5

ASSAY RECORD

SAMPLE No.	FROM	TO	REC FT. / %	SAMPLE LENGTH

dry hole

PROPERTY: Sugarloaf Peak SHEET No. 2 of 3 HOLE No. SWR-15

Township:	Collar co-ordinates:	Dip Tests (true dips):	Total Depth:
Range:	Collar elevation:	At:	Core Size: to ft
Lot:	Bearing:	At:	to ft
Claim No.	Inclination:	At:	Drilled by:
Date started:	Date completed:	At:	Logged by: T. Young

GEOLOGICAL LOG

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	% Py	Sil	Pyrophyllite	% Fell Arg.
100	105		quartz porphyry schist				wk. to mod. jarosite (?)		+	+++	10
5	10		generally with strong							+++	
10	15		Pyrophyllite groundmass							+++	
15	20						strong reddish hem. stain		+	+++	
20	25									+++	
25	30									+++	
30	35									+++	
35	40									+++	
40	45									+++	
										+++	10
50	55						wk hem. stain + minor				5
55	60						jarosite on schist frags				
60	65										25
65	70										95
70	75										95
75	80										20
80	85										
85	90										25
90	95										95
195	200						schist frags. strong Im (?) coating				75
											85

ASSAY RECORD

SAMPLE No.	FROM	TO	REC. FT. / %	SAMPLE LENGTH

PROPERTY: Sugarloaf Peak SHEET No. 3 of 3 HOLE No. SCWR-15

Township:	Collar co-ordinates:	Dip Tests (true dips):	Total Depth:
Range:	Collar elevation:	At:	Core Size: to ft
Lot:	Bearing:	At:	: to ft.
Claim No.	Inclination:	At:	Drilled by:
Date started:	Date completed:	At:	Logged by:

GEOLOGICAL LOG

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	%py	Sil	Pyrrh.	%bull qtz
200	205		quartz-porphyry schist				Mod reddish-brn stain			+++	60
5	10		predominately pyrophyllite							+++	70
10	15		groundmass							+++	10
15	20						V. weak jarosite (?)			+++	
20	25									+++	
25	30							1-3		+++	
30	35						Pyrite pred. in schist, minor in qtz	1-3		+++	60
35	40						rare galena cube	1-3		+++	30
[illegible]	[illegible]						Occas. coarse py w/qtz	1-3		+++	80
245	[illegible]						wk. py. w/qtz	tr		+++	95
	TD										

ASSAY RECORD

SAMPLE No.	FROM	TO	REC. FT. / %	SAMPLE LENGTH

PROPERTY: Sugarloaf Peak SHEET No. 1 of 3 HOLE No. SWR-16

Township:	Collar co-ordinates:	Dip Tests (true dips):	Total Depth: 250 feet
Range:	Collar elevation:	At:	Core Size: to ft
Lot:	Bearing: 90°	At:	: to ft
Claim No.	Inclination: -50°	At:	Drilled by: Drilling Services - Reverse
Date started: 6-18-85	Date completed: 6-19-85	At:	Logged by: T. Young

GEOLOGICAL LOG

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	% Py	Sil	Pyro-phyllite	% Bull qtz	Jaro-site	ASSAY RECORD SAMPLE No.	FROM	TO	REC. FT. / %	SAMPLE LENGTH
0	5		No Sample														
5	10		↓														
10	15		quartz porphyry schist														
15	20		with strong pyrophyllite							+++		++					
20	25		groundmass							+++		++					
25	30									+++		+					
30	35									+++		+					
35	40									+++	25	++					
40	[illegible]									+++	25	+					
45	50									+++							
50	55									+++							
55	60									+++							
60	65									+++							
65	70									+++							
70	75									+++		+					
75	80									+++		+					
80	85									+++		+					
85	90									+++		+					
90	95									+++		+					
95	100									+++		+					
										+++	10	+					

PROPERTY: Sugarloaf Peak SHEET No. 2 of 3 HOLE No. SWR-16

Township:	Collar co-ordinates:	Dip Tests (true dips):	Total Depth:
Range:	Collar elevation:	At:	Core Size: to ft
Lot:	Bearing:	At:	to ft.
Claim No.	Inclination:	At:	Drilled by:
Date started:	Date completed:	At:	Logged by:

GEOLOGICAL LOG

FEET FROM	FEET TO	FM	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	% py	Sil	pyro-phyllite	% bull qtz	jaro-site	ASSAY RECORD SAMPLE No.	FROM	TO	REC. FT. %	SAMPLE LENGTH
100	105		quartz porphyry schist							+++		++					
5	10		with strong pyrophyllite							+++		+					
10	15		guard mass							+++	10	+					
15	20									+++		+					
										+++		+					
										+++	20	++					
30	35									+++	40	+					
35	40									+++	40	+					
40	45						vuggy qtz-jarosite material			+++	40	+++					
45	50									+++	10	+					
50	55									+++		++					
55	60									+++		+					
60	65									+++		+					
65	70									+++		++					
70	75									+++		+					
75	80									+++		+					
80	85									+++	60	++					
85	90									+++	95	+					
90	95									+++	20	+					
195	200							tc		+++		++					

PROPERTY: Sugarloaf Peak SHEET No. 3 of 3 HOLE No. SWR-16

Township:	Collar co-ordinates:	Dip Tests (true dips):	Total Depth:
Range:	Collar elevation:	At:	Core Size: to ft.
Lot:	Bearing:	At:	: to ft.
Claim No.	Inclination:	At:	Drilled by:
Date started:	Date completed:	At:	Logged by:

GEOLOGICAL LOG

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	% Py	Sil	Pyro-phyllite	% bull qtz	Jaro-site
200	205		quartz-porphyry schist				weak reddish lm-hm staining	1/2-1		+++		
5	10		with strong phyrophyllite					1-3		+++		
10	15		ground mass					1-3		+++		
15	20							1-3		+++		
20	25							1-3		+++		
25	30							1-3		+++		
30	35							tr		+++		++
35	40							1-3		+++		+
								1-3		+++		
245	250							tr		+++		+
	TD											

ASSAY RECORD

SAMPLE No.	FROM	TO	REC FT. / %	SAMPLE LENGTH

PROPERTY: Sugarloaf Peak SHEET No. 1 of 3 HOLE No. SWR-17

Township:	Collar co-ordinates:	Dip Tests (true dips):	Total Depth: 250'
Range:	Collar elevation:	At:	Core Size: to ft
Lot:	Bearing: 150°	At:	: to ft
Claim No.	Inclination: -50°	At:	Drilled by: Drilling Services - Reverse
Date started: 6-18-85	Date completed: 6-19-85	At:	Logged by: T. Young

GEOLOGICAL LOG

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	% py	Sil.	pyrophyllite	% bull qtz	jarosite	ASSAY RECORD SAMPLE No.	FROM	TO	REC. FT. / %	SAMPLE LENGTH
0	5		No Sample														
5	10		quartz porphyry schist							+++		+					
10	15		with strong pyrophyllite							+++		++					
15	20		ground mass							+++		++					
20	25									+++	75	++					
25	30									+++	30	+					
30	35									+++		+					
35	40									+++	25	++					
40	45									+++	20	+					
45	50						weak to mod. ± specularite reddish hematite stain			+++		+					
50	55									+++		+					
55	60									+++							
60	65									+++							
65	70									+++							
70	75									+++							
75	80									+++							
80	85									+++							
85	90									+++							
90	95						strong reddish hem. staining ± specularite			+++							
95	100									+++	5						

dry hole

PROPERTY: Sugarloaf Peak SHEET No. 2 of 3 HOLE No. SWR-17

Township:	Collar co-ordinates:	Dip Tests (true dips):	Total Depth:
Range:	Collar elevation:	At:	Core Size: to ft
Lot:	Bearing:	At:	to ft
Claim No.	Inclination:	At:	Drilled by:
Date started:	Date completed:	At:	Logged by:

GEOLOGICAL LOG

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	% py.	Sil	pyro-phyll.	% bull qtz	jaro-site	ASSAY RECORD SAMPLE No.	FROM	TO	REC FT. / %	SAMPLE LENGTH
100	105		quartz porphyry schist				Mod. reddish hem stain ± specularite			+++	10						
5	10		with strong pyrophyllite							+++							
10	15		groundmass							+++		+					
15	20									+++		+					
20	25									+++		+					
25	30									+++	5	+					
30	35						Mod reddish hem stain			+++	80						
35	40									+++							
40										+++	90	++					
45	50									+++	40	+					
50	55						weak reddish hem stain			+++	20	+					
55	60									+++		+					
60	65							½-1		+++	5						
65	70							tr		+++		+					
70	75							1-3		+++		+					
75	80							½-1		+++							
80	85							1-3		+++							
85	90							1-3		+++							
90	95						tr. galena in quartz	½-1		+++	10						
195	200							½-1		+++	10						

PROPERTY: Sugarloaf Peak SHEET No. 3 of 3 HOLE No. SWR-17

Township:	Collar co-ordinates:	Dip Tests (true dips):	Total Depth:
Range:	Collar elevation:	At:	Core Size: to ft
Lot:	Bearing:	At:	: to ft
Claim No.	Inclination:	At:	Drilled by:
Date started:	Date completed:	At:	Logged by:

GEOLOGICAL LOG

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	%py	Sil	Pyrophyllite	% bull qtz	Jarosite					ASSAY RECORD SAMPLE No.	FROM	TO	REC FT. / %	SAMPLE LENGTH
200	205		light gray quartz					1-3		+++											
5	10		porphyry schist with					1/2-1		+++											
10	15		strong pyrophyllite					1/2-1		+++											
15	20		ground mass					1/2-1		+++											
20	25							1/2-1		+++	40										
25	30							1/2-1		+++											
30	35							1/2-1		+++											
35	40							1/2-1		+++	10										
40	45							1/2-1		+++	30										
245	250							1/2-1		+++	30										
	TD																				

PROPERTY: Sugarloaf Peak SHEET No. 1 of 3 HOLE No. SWR-18

Township:	Collar co-ordinates:	Dip Tests (true dips):	Total Depth:
Range:	Collar elevation:	At:	Core Size: to
Lot:	Bearing: —	At:	: to
Claim No.	Inclination: -90°	At:	Drilled by: Drilling Services - Reverse
Date started: 6-19-85	Date completed: 6-19-85	At:	Logged by: T. Young

GEOLOGICAL LOG

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	%py	Sil	Ser.	pyro-phyllite	jaro-site	agate	ASSAY RECORD SAMPLE No.	FROM	TO	REC FT. / %	SAMPLE LENGTH
0	5		No Sample															
5	10		↓															
10	15		quartz porphyry schist				white-punky-silky texture			+++		+						
15	20		white to light grey,							+++		+						
20	25		generally with a							+++		++						
25	30		sericitic groundmass							++		+++						
30	35									++		++						
35	40								+	++		+						
40	45								+	++		+						
50	55							1-3		+++								
55	60							+c		+++		++						
60	65							+c		+++		++						
65	70							½-1		++		+						
70	75						+c anhydrite	½-1		++		+						
75	80							1-3	+	+++								
80	85							1-3		+++			5					
85	90							1-3		+++								
90	95							1-3		+++								
95	100							1-3		+++								

PROPERTY: Sugarloof Peak SHEET No. 2 of 3 HOLE No. SWR-18

Township:	Collar co-ordinates:	Dip Tests (true dips):	Total Depth:
Range:	Collar elevation:	At:	Core Size: to ft.
Lot:	Bearing:	At:	: to ft.
Claim No.	Inclination:	At:	Drilled by:
Date started:	Date completed:	At:	Logged by:

FEET		GEOLOGICAL LOG															ASSAY RECORD								
		ROCK TYPE / STRUCTURE					ALTERATION / MINERALIZATION																		
FROM	TO	F M	DESCRIPTION	Struc	LOG	LOG	DESCRIPTION	%py	Sil	Ser	pyro-phyllic	jaro-site	%bull qtz				SAMPLE No.	FROM	TO	REC. FT. / %	SAMPLE LENGTH				
100	105		med to light gray				tr epidote	1-3	+++	++															
5	10		quartz porphyry schist					1-3	+	+++															
10	15							1-3	+	+++															
15	20							1-3		+++															
20	25							1-3		+++															
25	30							1-3		+++															
30	35							1-3		+++															
35	40							½-1		+++			10												
40	45							1-3				+	30												
45								1-3				+	30												
50	55							1-3					30												
5	60							1-3					30												
60	65						bleached - alluplime (?) over sericite	1-3		++			10												
65	70							1-3		++															
70	75							1-3		++															
75	80							1-3		++															
80	85							1-3		++		+													
85	90							1-3		++		+													
90	95							1-3		++		+													
195	200							1-3		++															

PROPERTY: Sugarloaf Peak SHEET No. 3 of 3 HOLE No. Sup-18

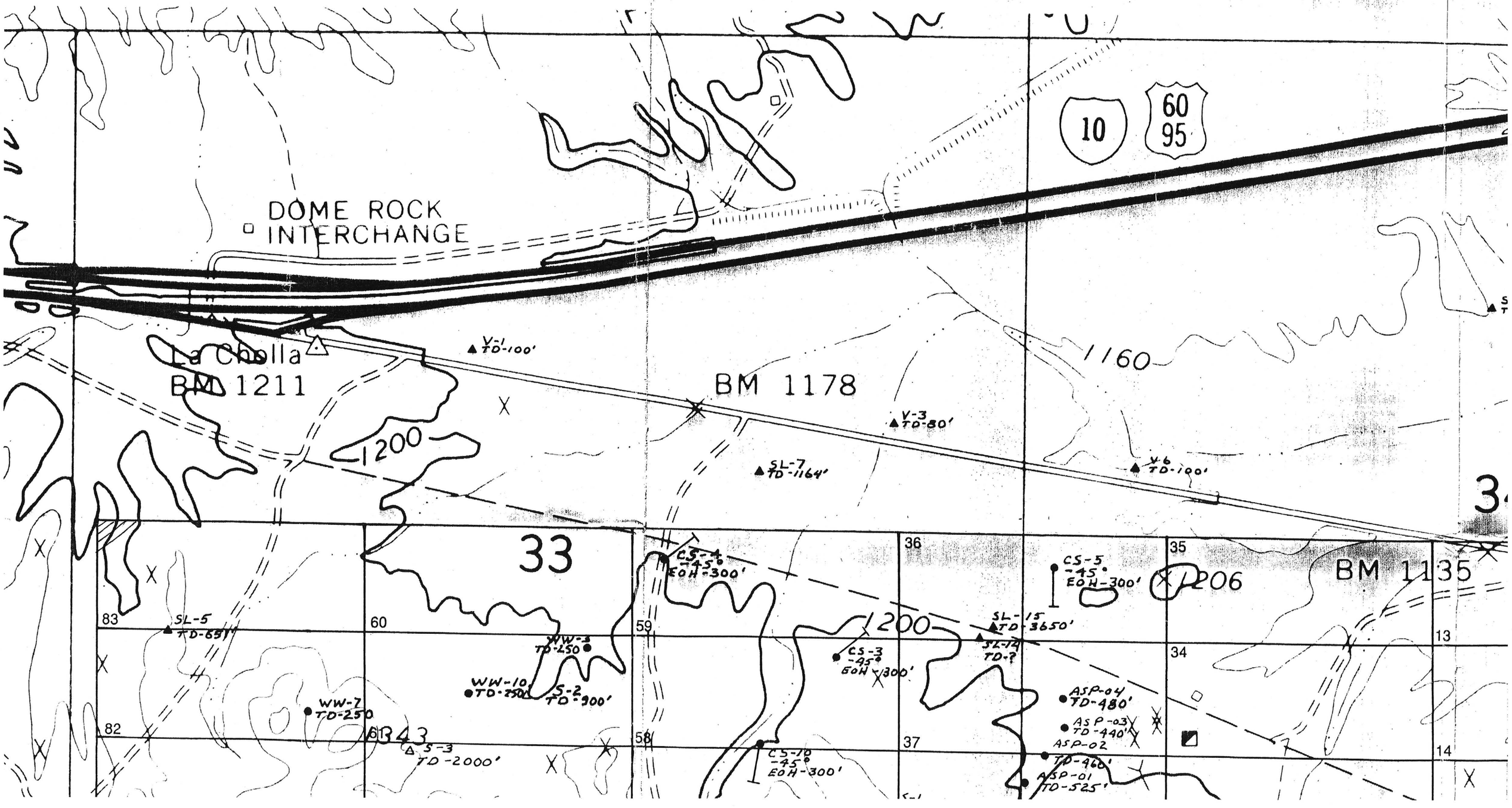
Township:	Collar co-ordinates:	Dip Tests (true dips):	Total Depth:
Range:	Collar elevation:	At:	Core Size: to ft.
Lot:	Bearing:	At:	: to ft.
Claim No.	Inclination:	At:	Drilled by:
Date started:	Date completed:	At:	Logged by:

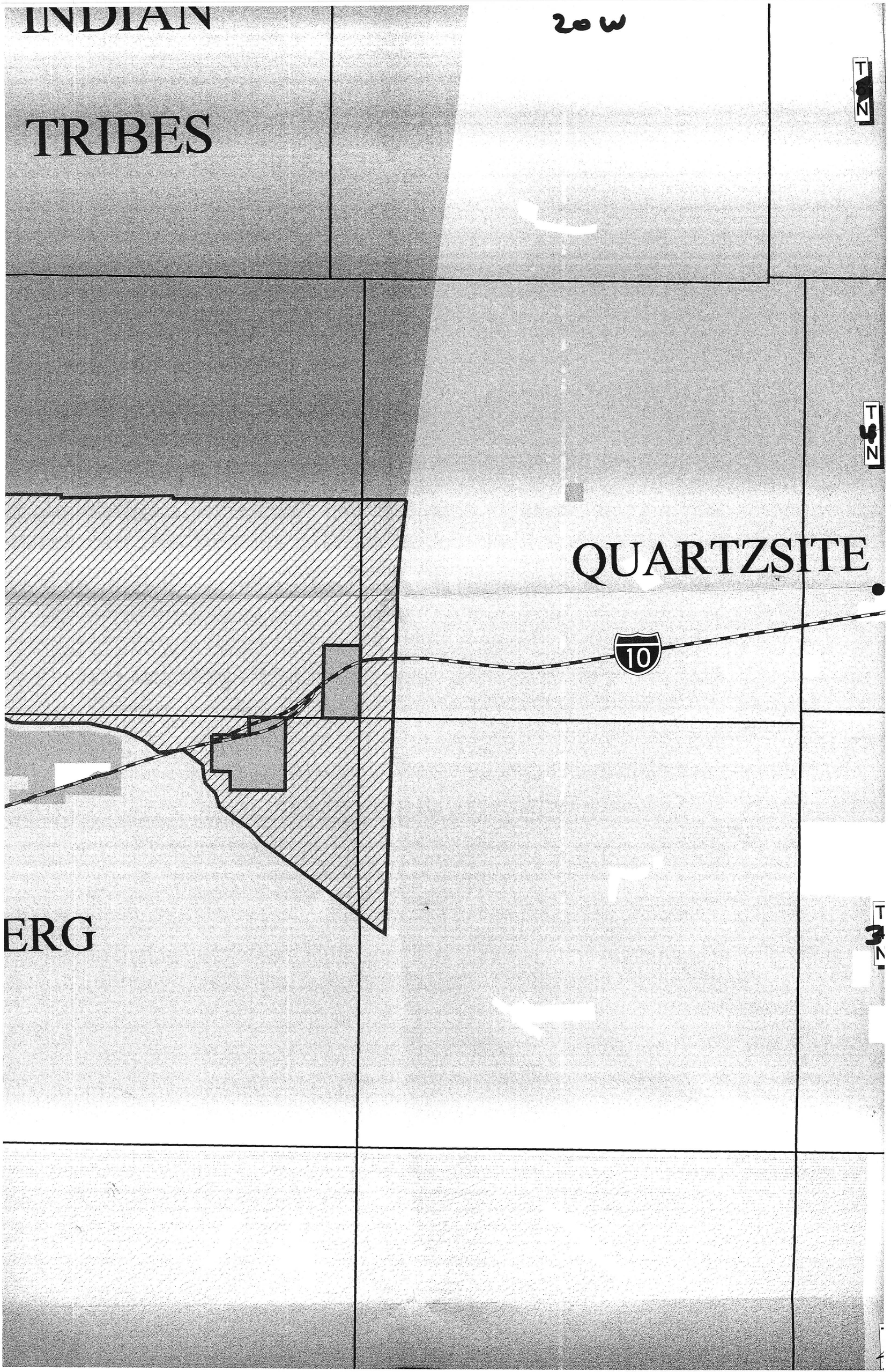
GEOLOGICAL LOG

FEET FROM	FEET TO	F M	ROCK TYPE / STRUCTURE DESCRIPTION	Struc	LOG	LOG	ALTERATION / MINERALIZATION DESCRIPTION	% py	Sil	Ser	Pyro-phyll.	jaro-site	% bull qtz			
200	205		quartz porphyry schist					1/2-1		+++						
5	10		light gray with					1/2-1		+++						
10	15		sericitic groundmass					1-3		+++						
15	20							1-3	++	+++						
20	25							1/2-1	++	+++						
25	30							1/2-1	+	+++						
30	35							1/2-1		+++						
35	40							1-3		+++						
40	45							1-3	+	+++						
245	250							1-3		+++			5			
	TD															

ASSAY RECORD

SAMPLE No.	FROM	TO	REC. FT. / %	SAMPLE LENGTH					


10
60
95
DOME ROCK
INTERCHANGE
La Cholla
BM 1211
BM 1178
1160
1200
V-1
TD-100'
V-3
TD-80'
SL-7
TD-1164'
V-6
TD-100'
33
CS-4
-45°
EOH-300'
CS-5
-45°
EOH-300'
206
BM 1135
36
35
83
SL-5
TD-651'
60
59
WW-3
TD-250
WW-10
TD-250
S-2
TD-900'
WW-7
TD-250
82
61
43
S-3
TD-2000'
58
CS-3
-45°
EOH-300'
SL-15
TD-3650'
SL-14
TD-?
34
13
ASP-04
TD-480'
ASP-03
TD-440'
ASP-02
TD-460'
ASP-01
TD-525'
37
14
CS-10
-45°
EOH-300'

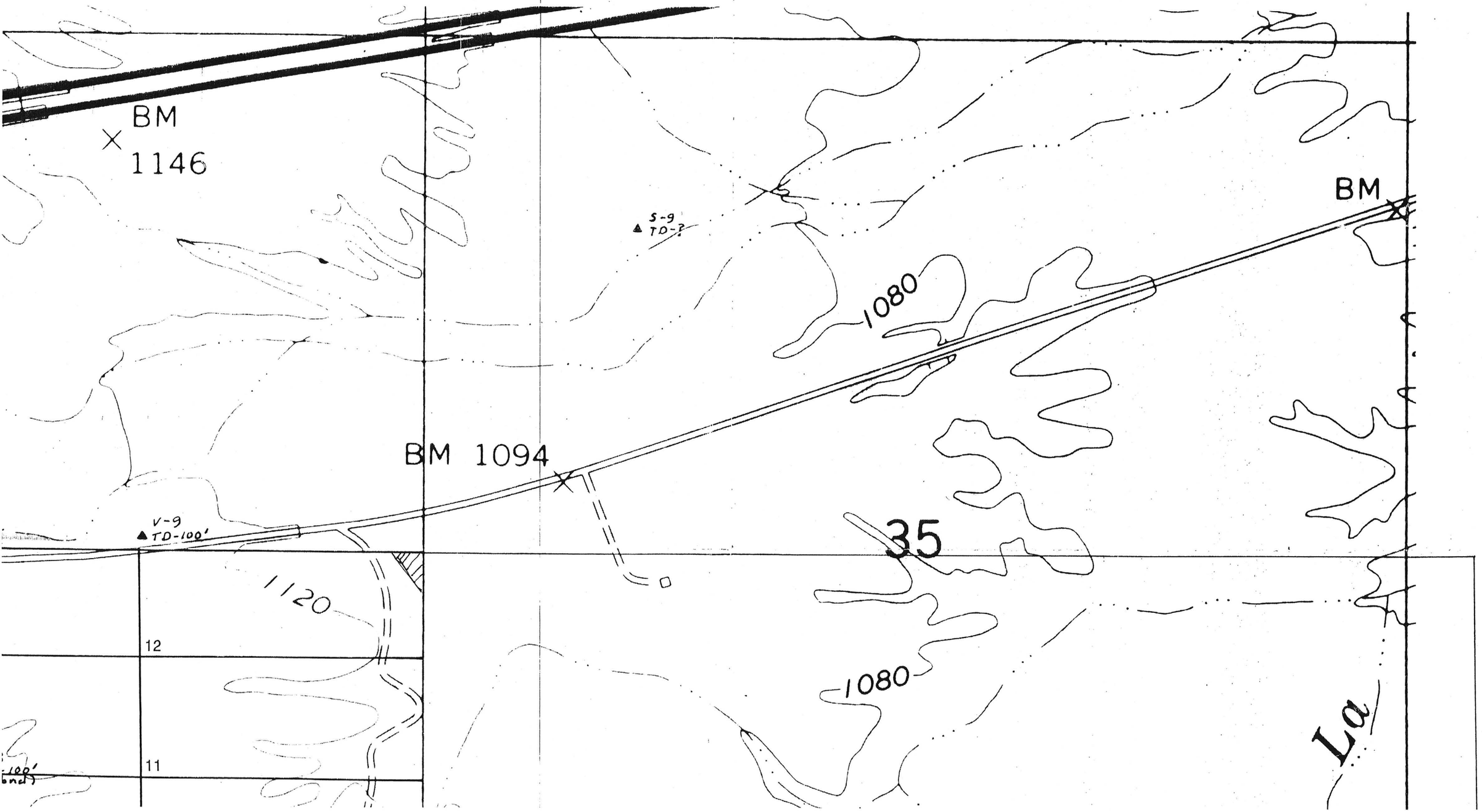

INDIAN
TRIBES
20 W
T 6 N
T 5 N
QUARTZSITE
10
ERG
T 3 N

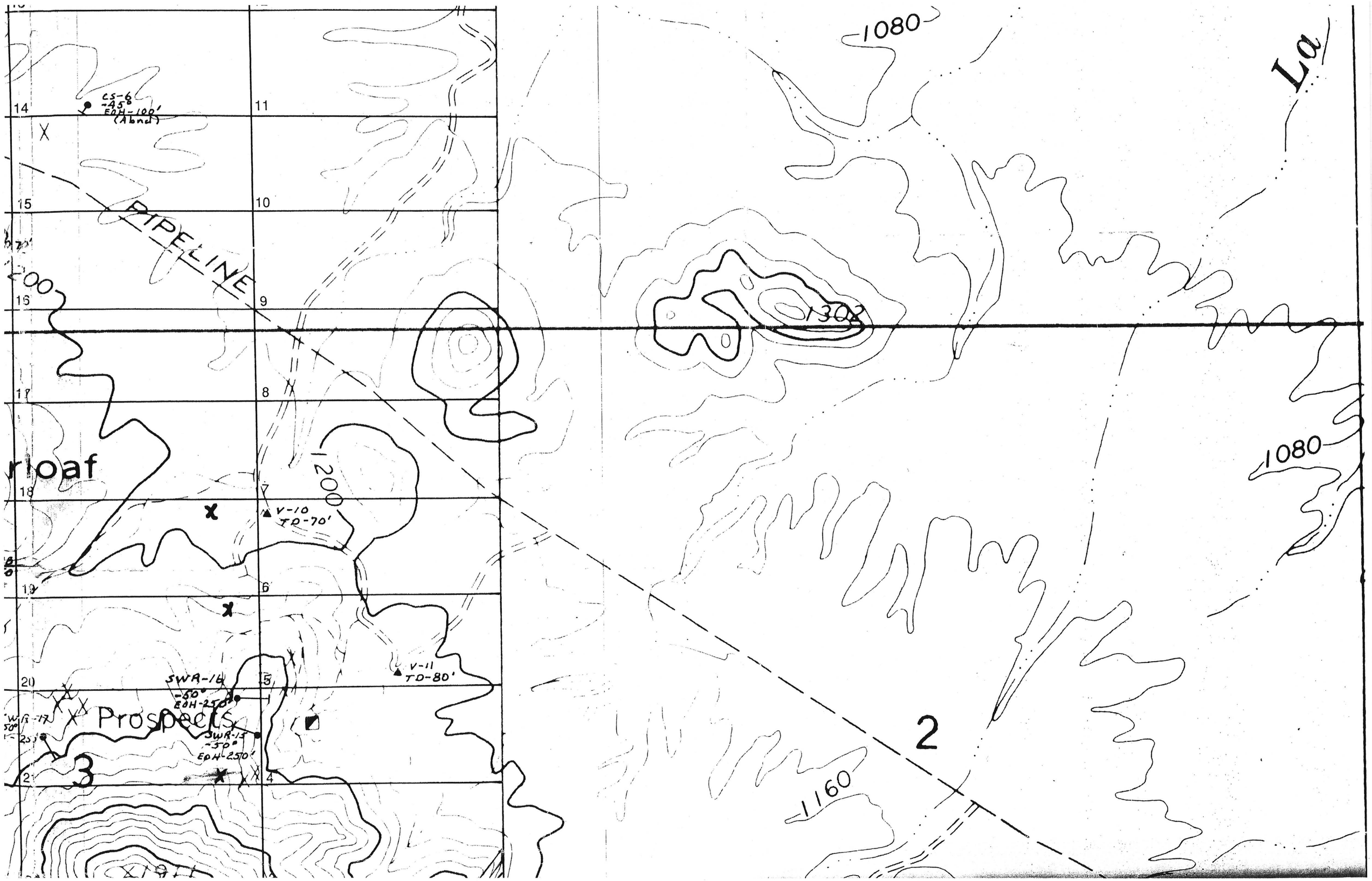
PER CLAIM (600' x 1500'), ASSUME 40 M. THICK

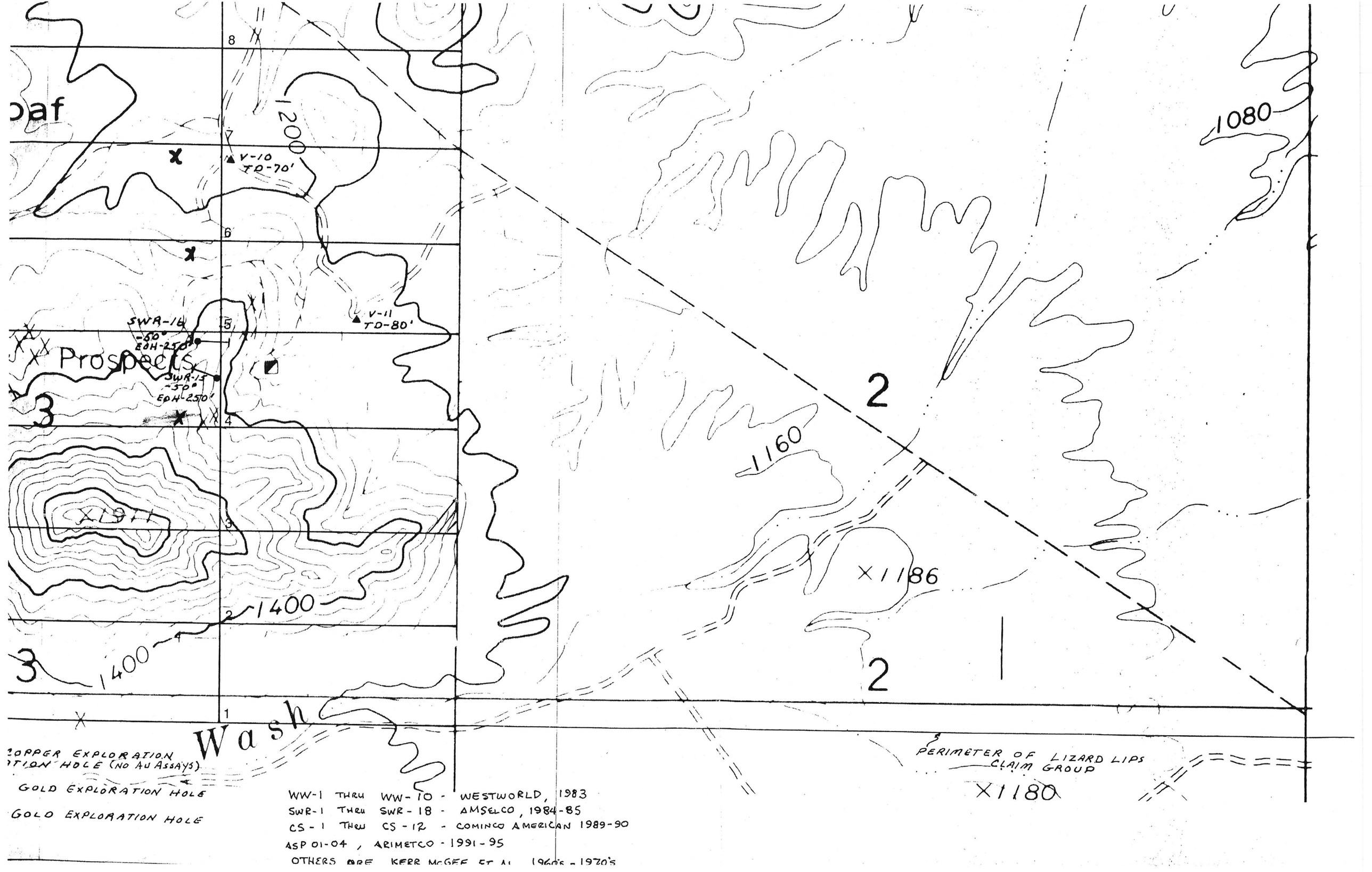
RESOURCE / CLAIM = 200M x 500M x 40M x 2.5 = 10.0 M MT

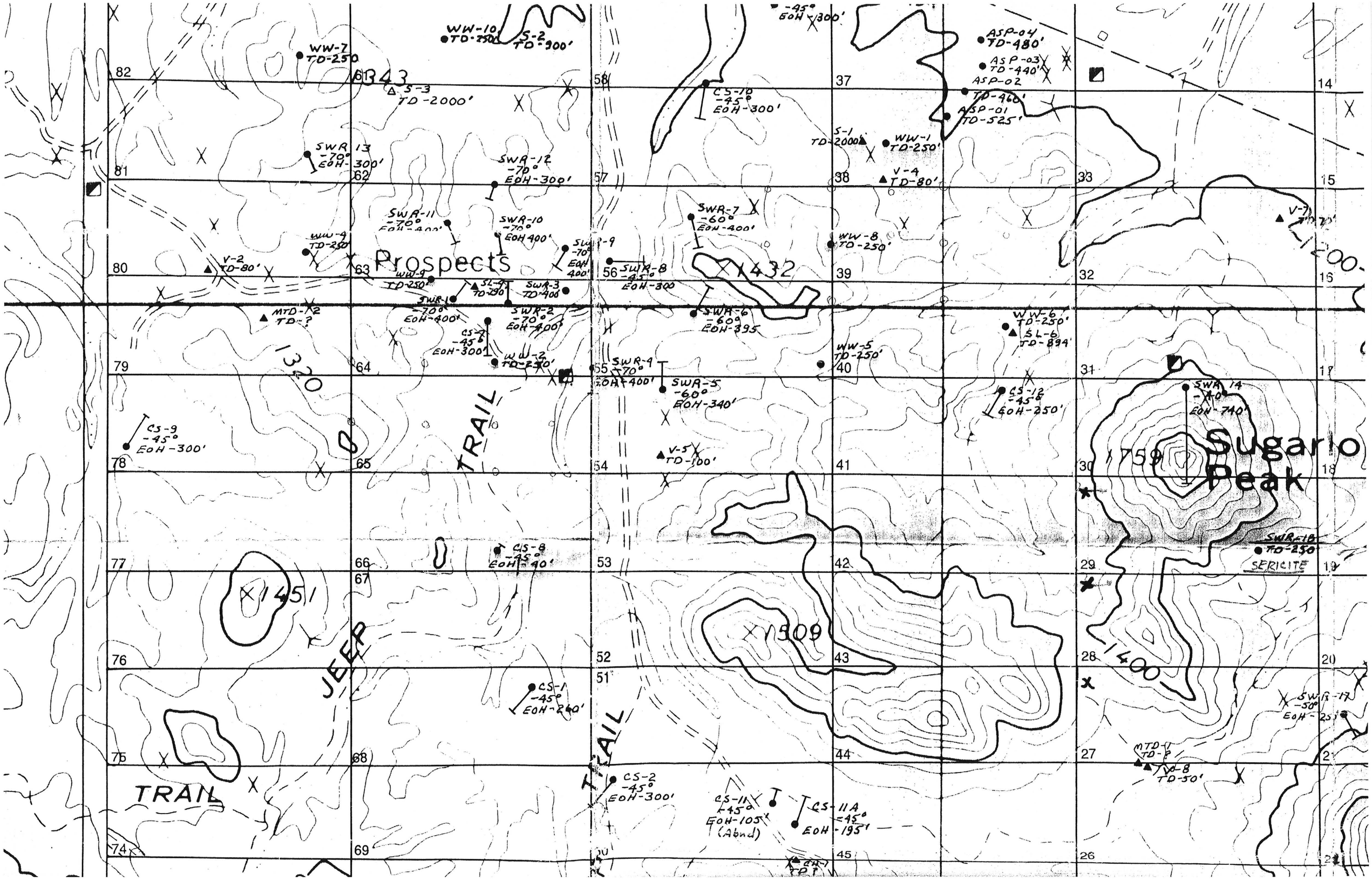
CLAIM SIZE = 20M

GR. .015 - .03 = 150,000 - 300,000 OZ PER CLAIM




CS-6
-45°
EOH-100'
(Abnd)
PIPELINE
1080
1300
1200
1080
1160
V-10
TD-70'
V-11
TD-80'
SWR-14
-60°
EOH-250'
SWR-15
-50°
EOH-250'
Prospects
2
3


Prospects
Wash
1200
1400
1400
1080
1160
X1186
X1180
X1971
V-10
TD-70'
V-11
TD-80'
SWR-16
-60°
EOH-250'
SWR-13
-50°
EOH-250'
8
7
6
5
4
3
2
1
3
3
2
2
COPPER EXPLORATION
TION HOLE (NO AU ASSAYS)
GOLD EXPLORATION HOLE
GOLD EXPLORATION HOLE
WW-1 THRU WW-10 - WESTWORLD, 1983
SWR-1 THRU SWR-18 - AMSELCO, 1984-85
CS-1 THRU CS-12 - COMINCO AMERICAN 1989-90
ASP 01-04, ARIMETCO - 1991-95
OTHERS ARE KERR McGEE ET AL 1960's - 1970's
PERIMETER OF LIZARD LIPS
CLAIM GROUP


Prospects
Sugarloaf Peak
JEEP TRAIL
TRAIL
WW-10 TD-250'
S-2 TD-900'
WW-7 TD-250
S-3 TD-2000'
SWR 13 -70° EOH-300'
SWR-12 -70° EOH-300'
SWR-11 -70° EOH-400'
SWR-10 -70° EOH 400'
WW-9 TD-250'
V-2 TD-80'
WW-9 TD-250'
SL-9 TD-290'
SWR-3 TD-400
SWR-1 -70° EOH-400'
SWR-2 -70° EOH-400'
MTD-12 TD-?
CS-7 -45° EOH-300'
WW-2 TD-250'
CS-9 -45° EOH-300'
CS-8 -45° EOH-240'
CS-1 -45° EOH-240'
CS-2 -45° EOH-300'
CS-10 -45° EOH-300'
SWR-7 -60° EOH-400'
SWR-9 -70° EOH 400'
SWR-8 -45° EOH-300
SWR-6 -60° EOH-395
SWR-4 -70° EOH-400'
SWR-5 -60° EOH-340'
V-5 TD-100'
CS-11 -45° EOH-105' (Abnd)
CS-11A -45° EOH-195'
S-1 TD-2000'
WW-1 TD-250'
V-4 TD-80'
WW-8 TD-250'
WW-5 TD-250'
ASP-04 TD-480'
ASP-03 TD-440'
ASP-02 TD-460'
ASP-01 TD-525'
WW-6 TD-250'
SL-6 TD-894'
CS-12 -45° EOH-250'
SWR-14 -70° EOH-740'
SWR-18 TD-250
SERICITE
SWR-17 -50° EOH-25'
MTD-1 TD-?
V-8 TD-50'
V-7 TD-70'
1343
1432
1370
1451
1509
1759
1400
82
81
80
79
78
77
76
75
74
62
63
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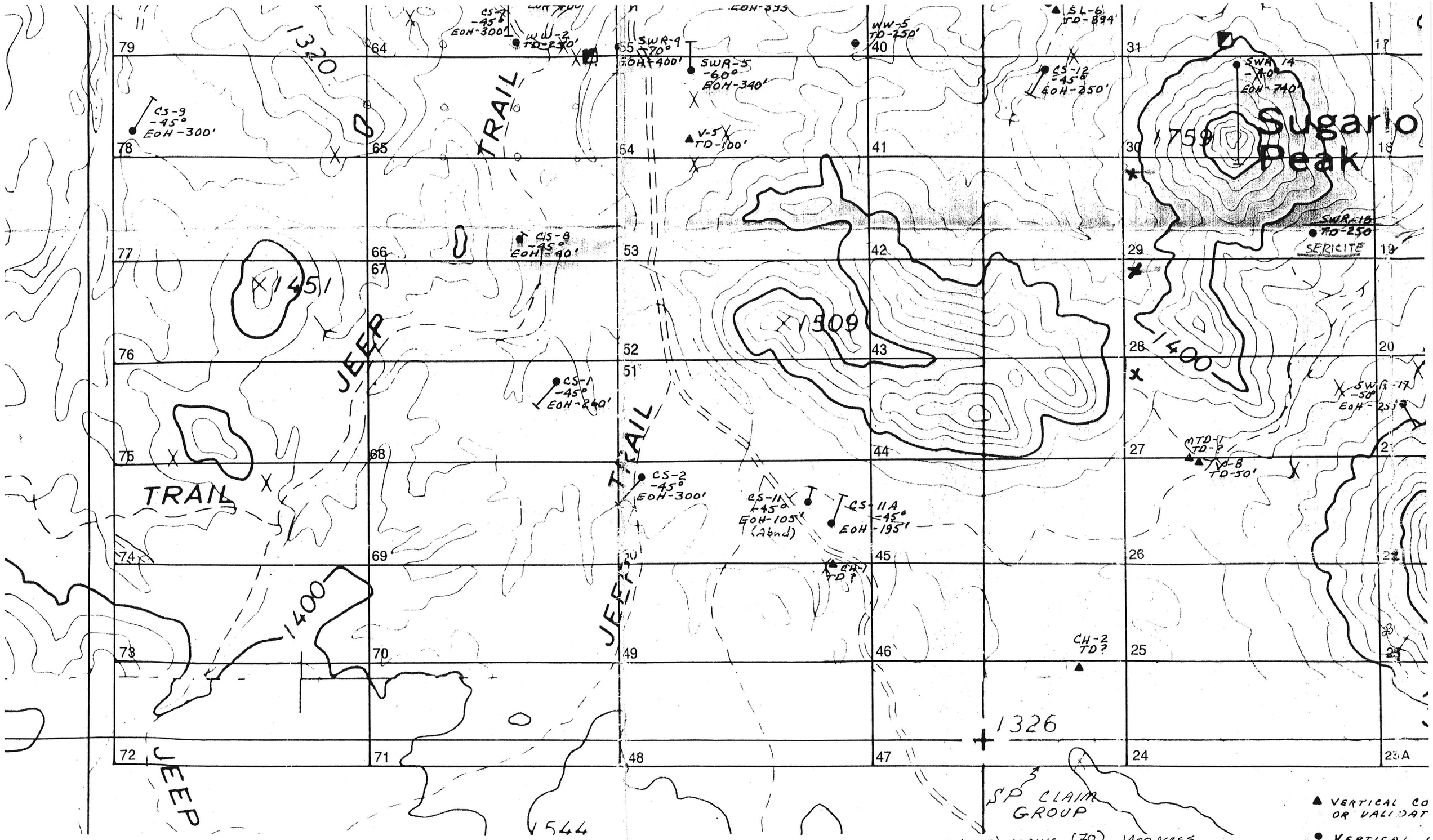

FIGURE 1: CLAIM MAP OF THE SUGARLOAF PEAK PROJECT
LA PAZ CO, AZ 1" = 500'
SHOWING DRILL HOLE LOCATIONS

CORNERS OF PRESENT (1999) CLAIMS (70), 1400 ACRES

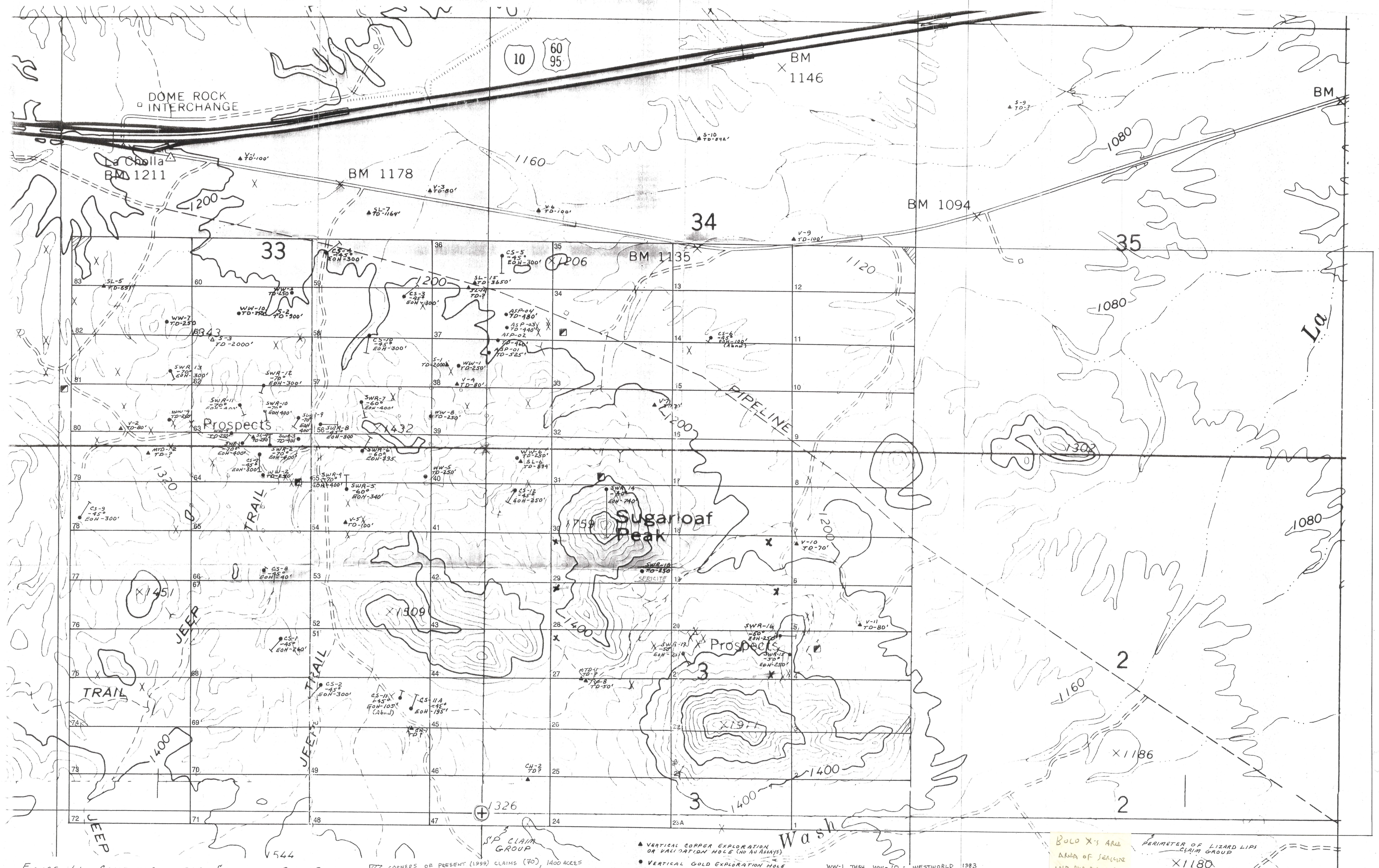

FIGURE 1: CLAIM MAP OF THE SUGARLOAF PEAK PROJECT
LA PAZ CO, AZ 1" = 500'
SHOWING DRILL HOLE LOCATIONS

▽ CORNERS OF PRESENT (1999) CLAIMS (70), 1400 ACRES

▲ VERTICAL COPPER EXPLORATION OR VALIDATION HOLE (NO AU ASSAYS)

● VERTICAL GOLD EXPLORATION HOLE

INCLINED GOLD EXPLORATION HOLE

WW-1 THRU WW-10 - WESTWORLD, 1983
SWR-1 THRU SWR-18 - AMSELCO, 1984-85
CS-1 THRU CS-12 - COMINCO AMERICAN 1989-90
ASP 01-04, ARIMETCO - 1991-95
OTHERS MOF KERR MCGEE ET AL 1960s - 1970's