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1989 ANNUAL SUMMARY REPORT

OATMAN PROJECT

MOHAVE COUNTY, ARIZONA

Michael C. Hultgren
LAC Minerals (USA), Inc.
January 1990

SUMMARY AND RECOMMENDATIONS

LAC entered into a joint venture agreement on August 14, 1989 with Compass Minerals to explore their claims on the western edge of the historic Oatman District in northwestern Arizona. Approximately 2.25 million ounces of gold and 0.8 million ounces of silver were produced from this epithermal gold district between 1863 and 1942. Gold was mainly produced from major northwest-trending banded quartz-calcite-adularia veins in Tertiary volcanics near the central part of the district.

The Oatman Project area consists of three blocks of claims owned by Compass and one additional claim group, known as the Williams Property, owned by Western Limited Mining Partnership. The southernmost group of claims are known as the South Oatman block and are situated along the southwestern edge of the district. The remaining claims, North and West Oatman blocks and the Williams Property, are clustered together along the northwestern edge of the district.

The Oatman District is located in a geologically complex area where volcanism occurred contemporaneous with detachment faulting during Tertiary time. Later overprinting by Basin and Range block faulting adds to the complexity. A major north-south trending detachment fault, the Black Mountains Detachment Fault, is a locus of gold mineralization in the Union Pass Mining District immediately north of Oatman.

The 1989 exploration program consisting of mapping, sampling, geophysics and drilling was carried out as a first year work commitment of $150,000 to Compass. To date, $148,475 has been spent on exploration at Oatman. In addition, cash payments of $30,000 to Compass and $10,000 to Western Limited Mining Partnerships were made. Three areas - the South Oatman block, the West Oatman block and the Williams Property - were chosen as primary targets.

The South Oatman target consists of a small silicified and stockwork-veined knob of latite protruding from the pediment along a major northwest-trending structure. Exploration consisted of surface rock-chip sampling, biogeochemical sampling, a magnetic survey and a six hole drilling program totalling 1,565 feet. Surface rock sampling and mapping defined numerous steeply-dipping quartz vein sets which intersect the knob and contain anomalous gold. Drilling across the proposed downward projection of these veins did not intersect the pervasive veining seen in outcrop, and assays were dissapointing with no gold over 0.008 ounces per ton.

The West Oatman target is characterized by a large east-west trending zone of silicified, stockwork-veined and brecciated latite and trachyte exposed in an area about 600 feet by 1200 feet with a vertical exposure of over 400 feet in a silicified knob. Three major sets of fractures, two of which dip steeply and a third which is relatively flat, cut the knob and control pervasive anomalous gold mineralization. Exploration consisted of surface and underground rock-chip sampling, mapping and a drilling program consisting of seven holes totalling 3,125 feet. Drilling revealed a listric east-west structure which is steep at the surface but shallows to less than 45 degrees at depth. Assays indicate wide zones of anomalous gold mineralization, but very little ore-grade.

The Williams Property is characterized by two major structural zones, one trending east-west and the other north-south. Most mineralization in the area is confined to narrow zones of anomalous to very high-grade gold mineralization in quartz-calcite veins which generally parallel one of these zones. Exploration was concentrated near the intersection of the two major structures and consisted of mapping, rock-chip sampling and drilling. Six holes totalling 1,210 feet were drilled; however, results were disappointing with a few narrow intercepts of low grade gold.

The results of the 1989 exploration program conducted by LAC Minerals on the Oatman Project were generally disappointing. No further work is warranted on the South Oatman and North Oatman blocks, as well as the Williams Property, and these properties may be dropped immediately. The only reasonably good results were obtained at the West Oatman target. The presence of pervasive anomalous gold mineralization both at the surface and in the subsurface in the hanging wall of a listric-type structure (similar to the Bullfrog setting) suggest that there may exist an as yet unknown deposit; however, the terms of the agreement with Compass Minerals requires a fairly large cash commitment in order to continue work on the West Oatman block, so no futher work is recommended. A minimal budget for 1990 involving reclamation of surface disturbances has been estimated and is listed in Appendix 3.

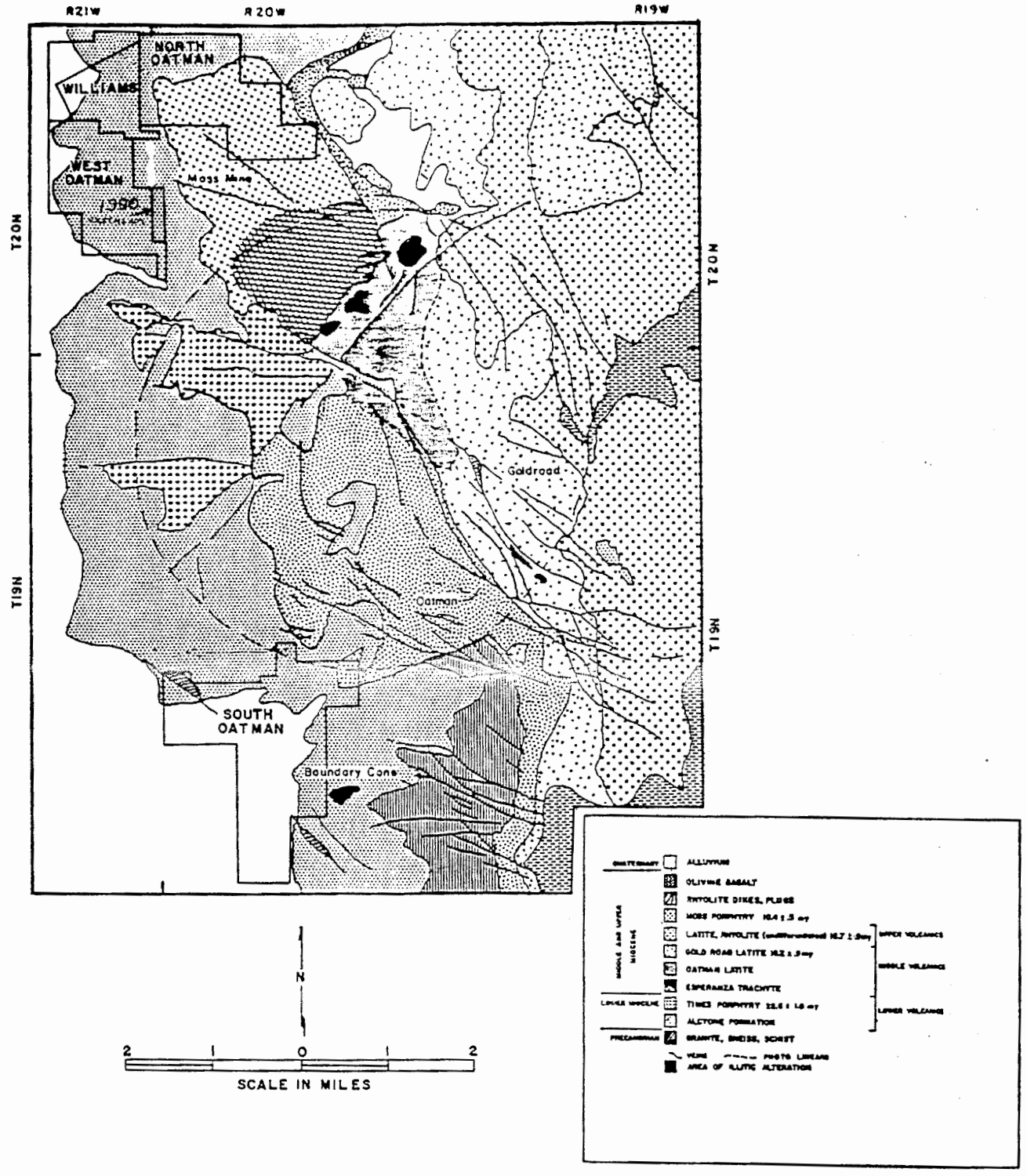


FIGURE 2. GENERAL GEOLOGY OF THE OATMAN DISTRICT (MODIFIED AFTER DURNING AND BUCHANAN, 1984)

claim block. LAC paid Western Mining Limited Partnership $10,000 in two equal payments during the first year. The payment schedule is such that escalating annual lease payments are made up to the purchase price of $1,270,000. Lease payments for 1990 are $20,000 due in two equal amounts, on June 1st and December 1st.

The South Oatman block is the largest block, consisting of 121 unpatented claims, and is located in section 5, T18N, R20W, and sections 20, 28-32, T19N, R20W. The West Oatman block consists of 52 unpatented claims and is located in sections 23-26, T20N, R21W. North Oatman consists of 76 unpatented claims and is located in sections 17,18, and 20, T20N, R20W, and section 13, T20N, R21W. The Williams Property consists of 31 unpatented claims and 5 patented claims in sections 13, 14, 23 and 24, T20N, R21W. LAC staked an additional 23 unpatented claims around the periphery of the Williams claims.

1990 assessment work requirements for all claims have been met.

REGIONAL GEOLOGY

The Oatman Project is situated on the western flank of the Black Mountains in the structurally complex Mohave block of the southern Basin and Range Province. The Black Mountains are a fault-bounded Tertiary volcanic complex which underwent various stages of volcanism and deformation during Miocene time. The volcanic center of the range appears to be at the center of the Oatman district, where a thick pile of felsic to intermediate volcanics was deposited. The volcanics, which generally dip to the east and rest unconformably on a basement of Precambrian schist, gneiss and granite (Katherine Granite), are divided into lower, middle and upper segments. The lower segment, the lower Miocene Alcyone Formation, is exposed along the western margin of the range in the project area, where it is in fault contact with the underlying Precambrian basement. The Alcyone Formation is intruded by a lower Miocene (~22 ma) granophyre laccolith known as the Times Porphyry. One other intrusive, the Moss Porphyry stock, intruded the middle and upper volcanics during late Miocene time (~11 ma). (Bailey, 1989; Durning and Buchanan, 1984)

The structural fabric of the district is generally northwest-southeast, parallel with mid-Miocene Basin and Range normal faulting. A dominant structural feature in the center of the district is a set of concentric fractures believed to be related to ascent or descent of an underlying magma. The best ore in the district appears to be localized near the intersection of these concentric fractures and a series of northwest-trending structures. The northwest-southeast fabric generally overprints an earlier north-south fabric associated with early Miocene detachment faulting. To the north of Oatman in the Union Pass mining district, the Black Mountains Detachment Fault has been identified

along the western margin of the range and is the locus for several small low-grade gold deposits. This detachment, however, has never been identified in the Oatman district, and it probably was obscured by coincident volcanism as the lower Alcyone volcanics were being deposited about the same time as the detachment faulting. Mapping along the western margin of the range in the Williams area and drilling at West Oatman, where the lower Alcyone volcanics appear to be concordant with and overlain by large slices of Precambrian Katherine Granite, support the idea of synorogenic volcanism and detachment faulting in the Oatman area (Bailey, 1989; Durning and Buchanan, 1984).

1989 EXPLORATION RESULTS

SOUTH OATMAN BLOCK

The South Oatman claim block is situated on the southwestern edge of the Oatman District approximately two miles southwest of the town of Oatman (Fig. 2). It is bounded on the east by Boundary Cone, a prominent rhyolite plug intruded during the latest episode of siliceous magmatism in the district. South Oatman is a topographically low area for the most part and is generally covered with pediment and alluvial gravels. Exposed through the pediment are localized outcrops of latite and trachyte of the Alcyone Formation capped by a late stage basaltic andesite. Also exposed are slices of Precambrian basement which suggest the presence of shallow detachment faults below the surface.

The structural fabric of the South Oatman block is generally west-northwest and is characterized by steeply-dipping vein sets which carry anomalous to ore grade gold at the surface. One particular northwest-trending structure cuts a silicified knob of sheeted and stockwork banded gray quartz veins cutting bleached Alcyone latite. Chip samples from these veins consistently assayed greater than 0.01 ounces per ton gold with the highest-grade sample containing 0.177 ounces per ton gold. These veins also contain anomalous copper (up to 4267 ppm) and silver (up to 8.67 ppm) which is not characteristic of typical Oatman-style mineralization.

The silicified knob at South Oatman was chosen as the first exploration target of the 1989 program. The knob is situated in flat terrain near a highway connecting Oatman and Bullhead City, Arizona, so it is easily accessible. Three major vein sets were identified on the knob, two of which trend about N45-60W and the third about N10-20E. The strongest veining appears to be in the two northwest-trending sets, although these veins appear to bend into the northeast-trending set. One northwest-trending set dips to the southwest, while the other dips to the northeast. A shallow shaft is present at the top of the knob where the northwest-trending veins intersect the northeast-trending ones. A number of rock chip grabs were made by Compass geologists when they sampled the knob, and chip channels collected by LAC appeared to support

the Compass assays.

A 100 X 200 foot N45W grid was established across the knob for biogeochemical and geophysical surveys (Plate 1). 180 samples of creosote bush were collected for the biogeochemical survey. Contoured results indicate a weak northeast-southwest trend which appears to parallel the drainage pattern in the area but may indicate an underlying structural pattern not previously known. Results of the magnetic survey indicate several highs over areas of outcropping to near-surface basaltic andesite.

Five holes were completed in the vicinity of the silicified knob at South Oatman (Plate 1). An additional hole, SO-5, was abandoned at 35 feet in thick gravels. Three holes, SO-1, 2 and 3, were drilled across the proposed downward projection of the veins exposed in the knob. These holes did not intersect the pervasive veining which is seen in outcrop. The best hole, SO-2, intersected two sets of relatively strong quartz veining which appear to correspond to the northeast-dipping northwest-trending vein set directly under the knob and the southeast extension of the northeast-trending vein set. Assays on these vein intersections were very weak, though, with the highest assay being 0.007 ounces per ton gold. SO-4 and 5A were stepouts to the east of the knob in an attempt to intersect an altered epiclastic sedimentary unit which was intersected in SO-3 and crops out on a low hill to the east. These holes were dissapointing as well with the highest assay being 0.008 ounces per ton gold.

WEST OATMAN BLOCK

The West Oatman claim block is situated on the northwest edge of the Oatman District and is accessible by a secondary four-wheel drive road north of the Silver Creek road. The block is bounded on the east by the intrusive Moss Porphyry. The Moss Mine, where gold was initially discovered in the district, is about one and one-half miles to the east of the claim block. 1"=500' mapping in the area shows two broad areas of alteration (Plate 2). The southern area is characterized by a number of outcrops of Tertiary lahar, a chlorite-rich unit which generally contains large blocks of Precambrian Katherine Granite interlayered with mudflows and latite and trachyte flow breccias. This lahar unit is an important host to quartz-calcite vein mineralization. The northern area is the main target at West Oatman and is characterized by a large zone of silicified, stockwork-veined and brecciated latite autobreccia, trachyte and lahar exposed in an area about 600 feet by 1200 feet. Topographic relief exposes over 400 feet of this zone in a steep silicified knob.

Numerous other veins occur on the West Oatman block as shown on Plate 2. These veins may contain high-grade gold but in general are narrow zones of limited extent and are not considered to be significant.

The West Oatman area is structurally dominated by a north-trending range-marginal normal fault which extends at least two miles along strike and forms the western boundary of the main target area (Plate 2). Three major sets of fractures cut the silicified knob which forms the main target. Two sets dip steeply and trend nearly east-west and north-south. The third set consists of shallow-dipping to flat fractures. The silicified knob is bounded on the north by a listric normal fault which dips steeply at the surface but shallows to less than 45 degrees at depth. Associated with this listric structure is a variably thick zone of silicified stockwork breccia that is locally quartz-sulfide rich. This structure appears to extend to the east, where another zone of stockwork-veining and brecciation occurs just off the eastern edge of the claim block.

Rock chip sampling at West Oatman identified a zone of anomalous mineralization between two major east-west trending silicified breccia zones that crop out on the south and north sides of the knob (Fig. 3). Most rock chips assayed greater than 100 ppb gold with the highest sample containg 2,900 ppb gold. The rocks are generally deficient in other metals.

Seven holes were drilled at West Oatman (Fig. 3). In addition, an old adit which extends underneath the knob was sampled and crudely mapped. This adit was essentially treated as a horizontal drill hole, and lithologies cut by the tunnel are generally correlative with those intersected in the drilling. Unfortunately, the adit is very damp, and the walls are coated with mud, making rock identification and thorough sampling difficult.

The stratigraphy at West Oatman is relatively simple and consists of southwest-dipping trachyte overlain by latite autobreccia. Drillholes WO-5 and WO-6 cut a slice of Precambrian Katherine Granite within the latite. This basement slice may be related to detachment faulting in the area. Tertiary lahar crops out on the west side of the silicified knob and was drilled in WO-1 and WO-2. To the north of the knob, latite agglomerate is in fault contact with latite autobreccia.

Initially it was thought that the West Oatman target consisted of a wide, steeply south-dipping fault zone trending east-west with the southern breccia zone being the hanging wall structure and the northern breccia being the foot wall. Drilling failed to support this idea; however, it did return some interesting results. The hanging wall breccia zone does not appear to extend to depth and may be more related to flat structures. The footwall structure, although steep and filled with a quartz-porphyry dike at the surface, appears to flatten with depth, shallowing to about 30 degrees (Plate 3). The presence of this listric structure is further evidence of a detachment environment along the western margin of the range in the Oatman district. Unfortunately, the drilling on the property in 1989 failed to intersect any kind of

detachment structure.

The best drill assays on the project occur at West Oatman, where each hole, and the adit as well, returned at least one interval of greater than 0.01 ounce per ton gold (Appendix 1). In addition, several thick intervals of ± 0.005 ounce per ton gold were encountered, including 100 feet in WO-1, 135 feet in WO-2 and 90 feet in WO-5. The best zone of mineralization was intersected near the surface in WO-5 (5' @ 0.108 opt Au) and WO-6 (25' @ 0.013 opt Au) and appears to be related to a flat-lying fracture (Plate 3). In general, though, the drill assays at West Oatman were disappointing and did not significantly improve over the assay results at the surface.

A structural zone similar to that at the West Oatman knob was discovered to the east of the West Oatman claim block late in the year. Rock chip samples collected from this zone returned anomalous to ore-grade results with the highest sample containing 825 ppb gold. This zone appears to be developed along the same listric structure drilled at West Oatman and may be part of the same west-northwest-trending vein system at the Moss Mine.

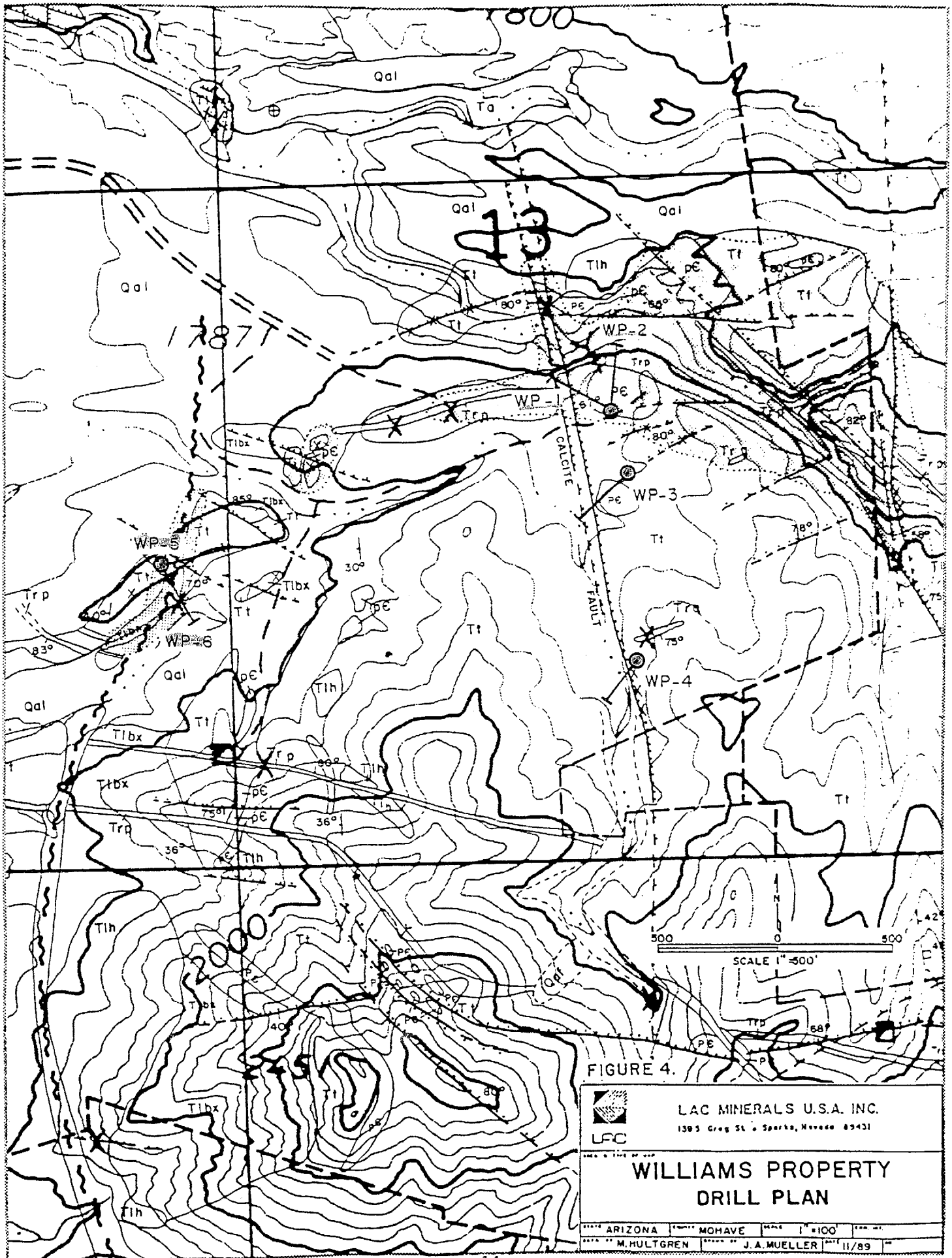
WILLIAMS PROPERTY

The Williams Property is situated along the range front on the northwest edge of the Oatman District. It is accessible by four-wheel drive vehicle along the wash of Secret Pass Canyon. The property is bounded on the south by the West Oatman claim block and on the east by the North Oatman block.

The geology of the Williams area is similar to that at West Oatman, with quartz-calcite veining associated with major structural zones in Alcyone volcanics and Precambrian Katherine Granite. Mapping conducted at 1"=100' by LAC in 1989 discovered numerous "slices" of Precambrian Katherine Granite in Alcyone volcanics. These "slices" appear to be further evidence of detachment faulting coincident with volcanism. The area is structurally dominated by a nearly east-west trending structural zone along the range front and a nearly north-south trending zone known as the Calcite Fault.

Most mineralization on the Williams Property is confined to Oatman-style narrow zones of anomalous to very high-grade gold in quartz-calcite veins. One sample was collected which contained 1.162 opt gold in N70W quartz-calcite veins cutting Precambrian granite gneiss along the southwest edge of the major east-west fracture system. These zones are interesting but do not make attractive exploration targets.

Previous work was done on the Williams Property in 1984 and 1985 by Canerta Resources, who conducted a trenching and sampling program across a major alteration zone near the intersection of the



Qal
Ta
Tlh
Tt
Trp
Tlbx
pЄ
WP-1
WP-2
WP-3
WP-4
WP-5
WP-6
CALCITE
FAULT
13
1787
2000
SCALE 1" = 500'
500
0
500
LAC MINERALS U.S.A. INC.
1395 Greg St. • Sparks, Nevada 89431
LAC
WILLIAMS PROPERTY
DRILL PLAN
ARIZONA
MOHAVE
1" = 100'
M. HULTGREN
J. A. MUELLER
11/89

FIGURE 4.

REFERENCES

Bailey, M.H., 1989, Oatman Project Report, Mohave County, Arizona: Compass Company Report, April 15, 1989.

Durning, W.P. and Buchanan, L.J., 1984, The Geology and Ore Deposits of Oatman Arizona: Arizona Geological Society Digest, vol. 15, p.141-158.

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Smith, S.C., 1989, Survey Results and Biogeochemical Interpretation for a Creosote Bush Survey, South Oatman Project, Mohave County, Arizona, September, 1989: Consultants Report to LAC Minerals (USA), Inc.

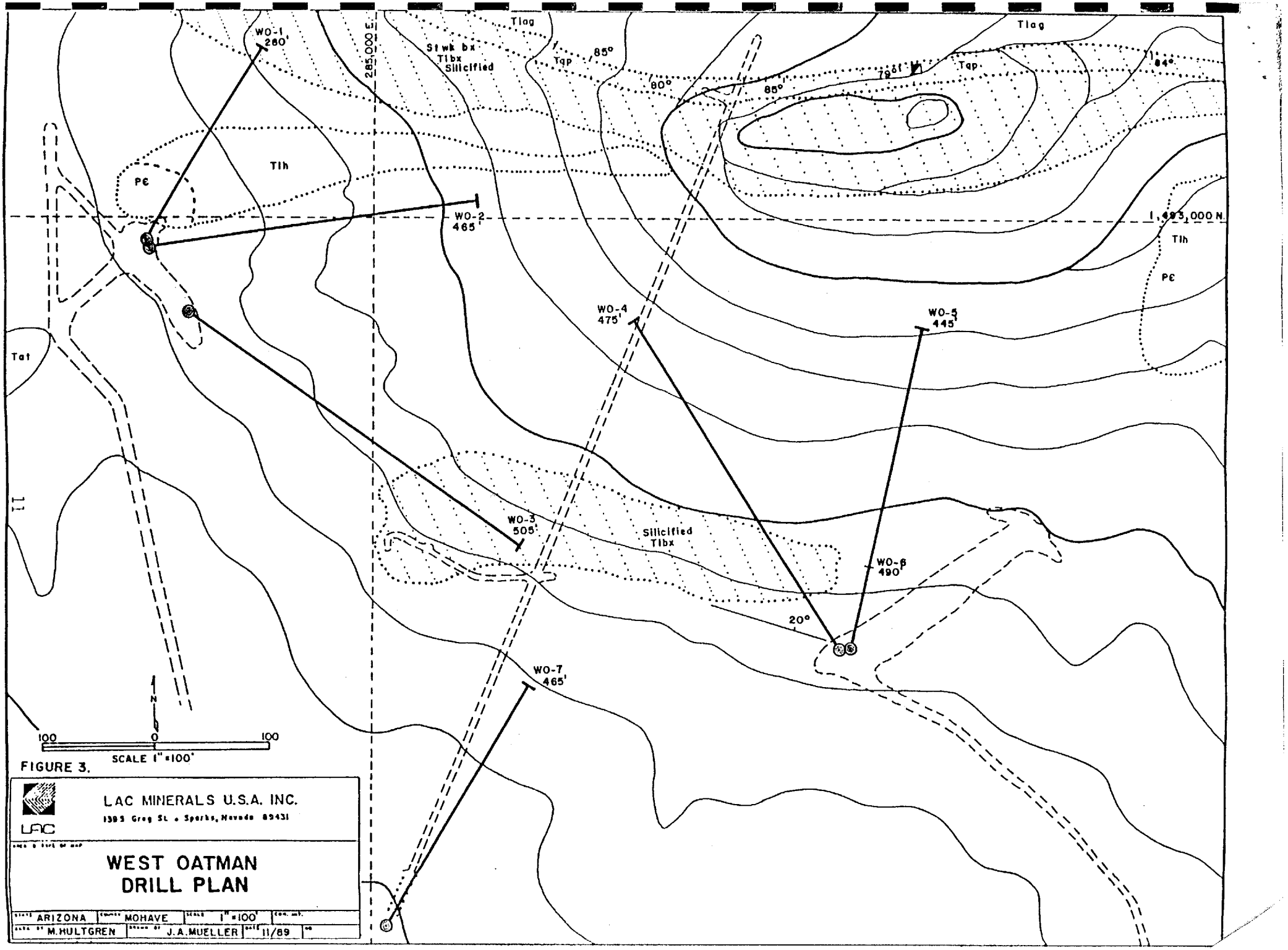


FIGURE 3.

LAC MINERALS U.S.A. INC.
1385 Greg St. • Sparks, Nevada 89431

WEST OATMAN DRILL PLAN

ARIZONA	MOHAVE	1"=100'	
M.HULTGREN	J.A.MUELLER	11/89	

LONG LAC MINERALS EXPL. (TEXAS) INC.

LAC

DRILL LOG SUMMARY SHEET

PROJECT OATMAN

HOLE NUMBER WO-1 TOTAL DEPTH 280' LOGGED BY MCH

Date started 11/15/89

Date completed 11/15/89

Initial bearing N20E

Initial inclination -45°

Elevation ≈ 1890'

Collar coordinates:

N

E

Contractor GUSTIN DRLG

Drill Type SIMCO 5000

Hole Size 4 1/2"

Comments started drlg ≈ 8 AM, drilled dry, little H_2O @ 210', had to pull out + replace foot valve — 1 1/2 hrs, blew hole dry + finished @ 4PM

DOWN HOLE SURVEY INFORMATION

FROM	TO	SURVEY POINT	INCLI-NATION	BEARING	X (Northing)	Y (Easting)	Z (Elevation)

LAC MINERALS (U.S.A.) INC.

DRILL HOLE WO-1-89

LOCATION:
Area W. OAXMAN
Coords. N. _____
E. _____

DATE:
Collared 11/15/89
Completed _____

LITHOLOGY
BRECCIA
TRACHYTE
LATITE
LAHAR, AGGLOMERATE
TEXTURELESS
GRANITE

ALTERATION
ARGILLIZATION
SERICITIZATION
SILICIFICATION
VEINS: Q-quartz; C-calcite
PROPYLITIZATION

Total Depth 280'
Collar Elev. ≈1900'
Angle -45°
Bearing N30E
Logged by mcH

Page 1 of 3

	LITH.	ALT.	% VEINS T	M	A	% T	M	A	COLOR	LIMONITE W	M	S	HEMATITE W	M	S	COMMENTS	Au	Ag	CHECK
05		chlor							grn to gry							BEDROCK @ < 1' 0-20 - granite, grn-gry, coarse gr. w/ large	<.001		
10																feldspars, med qtz in chlor. matrix, wkly oxid	.001		
15																	.002		
20																	.008		
25									grn to brn							20-50: lahar mx granitic clastic, grn-brn, wk-stg oxid,	.002		
30																wk qtz vng, clastic lahar is grn, fine-gr.grn w frags of qtz feld, granitic material	.002		
35																	.003		
40																35-40: strgly oxid., lim + hem pervasive	<.001		
45																	.002		
50																	.002		
55		x qx							gry							50-55: microbx, stgly silicified, ang. frags in siliceous matr	.005		
60		qtz q							grn to gry							55-100: latite ppy, abnd + feld. phenos in gry to grn g.m., wkly oxid,	.006		
65									pink to salmon							wk to mod qtz vng, bleached 55-70: pervasive stk-wk vng - microbx, possible K-spar flooding in 60-70.	.007		
70																	.002		
75									grn to gry								.005		
80																	.011		
85																	.004		
90																	.006		
95																	.006		
100																	.004		

LAC MINERALS (U.S.A.) INC.

DRILL HOLE WO - 1 - 89

LOCATION:
Area W. OATMAN
Coords. N. _____
E. _____

DATE:
Collared 11/15/89
Completed 11/15/89

LITHOLOGY
- BRECCIA
- TRACHYTE
- LATITE
- LAHAR, AGGLOMERATE
- TEXTURELESS
- GRANITE

ALTERATION
- ARGILLIZATION
- SERICITIZATION
- SILICIFICATION
- VEINS: Q-quartz; C-calcite
- PROPYLITIZATION

Total Depth 280'
Collar Elev. ≈1900'
Angle -45°
Bearing N30E
Logged by mcH

	LITH.	ALT.	% VEINS T	M	A	% T	M	A	COLOR	LIMONITE W	M	S	HEMATITE W	M	S	COMMENTS	Au	Ag	CHECK
105		Tr Q							grn to gry							100-170: latite ppy, as described prev.	.005		
110																	.015		
115		Tr C															.007		
120																	.020		
125																	.007		
130																@ 125, picking up clay on chips, incr. in lim	.003		
135																	.010		
140																	.018		
145																140-145: clay zone, lost circ. slightly	.010		
150																	.008		
155																	.009		
160																	.002		
165																	.002		
170																165-170: grn clay zone	.001		
175									grn							170-200: unbleached dker grn latite, fewer qtz veins, not as crystal rich	.001		
180		Tr Q															.003		
185																	.002		
190																	.021		
195																	.003		
200																	<.001		

LAC MINERALS (U.S.A.) INC.

DRILL HOLE WO-1-89

LOCATION:
Area W. OATMAN
Coords. N. _____
E. _____

DATE:
Collared 11/15/89
Completed 11/15/89

LITHOLOGY
- BRECCIA
- TRACHYTE
- LATITE
- LAHAR, AGGLOMERATE
- TEXTURELESS
- GRANITE

ALTERATION
- ARGILLIZATION
- SERICITIZATION
- SILICIFICATION
- VEINS: Q-quartz; C-calcite
- PROPYLITIZATION

Total Depth 280'
Collar Elev. = 190
Angle -45°
Bearing N30E
Logged by mcH

Page 3 of 3

	LITH.	ALT.	% VEINS T	% VEINS M	% VEINS A	% T	% M	% A	COLOR	LIMONITE W	LIMONITE M	LIMONITE S	HEMATITE W	HEMATITE M	HEMATITE S	COMMENTS	Au	Ag	CHECK
205									grn							200-280', latite ppy, grn, fresher rk below footwall structure	.002		
210																tr. py, minor stwng	.004		
215																	.002		
220																	.002		
225																	.002		
230		tr Q															.002		
235																	.001		
240																	.004		
245																	.001		
250																	.001		
255																	.001		
260																	.006		
265																	.006		
270																	.002		
275																	.001		
280																TD @ 280' 4 pm 11/15/89	.001		
285																			
290																			
295																			
300																			

LONG LAC MINERALS EXPL. (TEXAS) INC.

DRILL LOG SUMMARY SHEET

PROJECT OATMAN

HOLE NUMBER WO-2 TOTAL DEPTH 465' LOGGED BY MCH

Date started 11/16/89

Date completed 11/17/89

Initial bearing N 92 E

Initial inclination -51°

Elevation ≈ 1890'

Collar coordinates:

N

E

Contractor GUSTIN CORP

Drill Type SIMCO 5000

Hole Size 4 1/2"

Comments DRLD DRY TO 205', THEN WET TO TD, HIT WATER ≈ 200', MAKING WATER FURTHER DOWN, DRILLED LAST 4 HRS ON HOURLY DUE TO SLOW DRLG

DOWN HOLE SURVEY INFORMATION

FROM	TO	SURVEY POINT	INCLI-NATION	BEARING	X (Northing)	Y (Easting)	Z (Elevation)

LAC MINERALS (U.S.A.) INC.

DRILL HOLE WO-2-89

LOCATION:
Area W. OATMAN
Coords. N. _____
E. _____

DATE:
Collared 11/16/89
Completed 11/17/89

LITHOLOGY
- BRECCIA
- TRACHYTE
- LATITE
- LAHAR, AGGLOMERATE
- TEXTURELESS
- GRANITE

ALTERATION
- ARGILLIZATION
- SERICITIZATION
- SILICIFICATION
- VEINS: Q-quartz; C-calcite
- PROPYLITIZATION

Total Depth 465'
Collar Elev. ≈ 1900
Angle -51°
Bearing N82E
Logged by mc4

Page 1 of 5

	LITH.	ALT.	% VEINS T	M	A	% T	M	A	COLOR	LIMONITE W	M	S	HEMATITE W	M	S	COMMENTS	Au	Ag	CHECK
05		q							dk grn							0-15: granite, grn to red-brn, vcd to coarse gr., wk oxid, minor vns	.002		
									gry-grn							5-10: grn clay zone w/ f.g. grn clastic (lahar)	.007		
10		c							dk grn								.005		
15									red-brn							15-20: stg to mod. >50% lim.	.008		
20									↓							15-50: latite lahar, grn to brn, wk-stg oxid wk-mod qtz vng,	.010		
25									dk grn								.003		
30									brn								.002		
35																	.013		
40																	.009		
45																45-50: minor clay	.007		
50		q							gry							50-55: microbx, stg'ly silicified	.009		
55		q							lt. grn to brn							55-100: latite ppy, lt grn-brn, crowded fell., wk-mod oxid, mod-stg qtz vng., little or no matics	.017		
60									↓							55-60: massive gry qtz vn.	.015		
65																60-70: abnl'y dense qtz	.015		
70																	.008		
75																75-80: grn clay - probably contamination	.007		
80																	.009		
85																85-90: grn clay - prob. contamination	.005		
90																	.011		
95																	.007		
100																			

LAC MINERALS (U.S.A.) INC.

DRILL HOLE WO-Z-89

LOCATION:
Area W. BATMAN
Coords. N. _____
E. _____

DATE:
Collared 11/16/89
Completed 11/17/89

LITHOLOGY
- BRECCIA
- TRACHYTE
- LATITE
- LAHAR, AGGLOMERATE
- TEXTURELESS
- GRANITE

ALTERATION
- ARGILLIZATION
- SERICITIZATION
- SILICIFICATION
- VEINS: Q-quartz; C-calcite
- PROPYLITIZATION

Total Depth 465
Collar Elev. 1900
Angle -51°
Bearing N32E
Logged by mcH

	LITH.	ALT.	% VEINS T	M	A	% T	M	A	COLOR	LIMONITE W	M	S	HEMATITE W	M	S	COMMENTS	Au	Ag	CHECK
105																100-200: latite ppy, as described prev.	.008		
110																wk. oxid, wk-mod qtz vng.	.006		
115																	.011		
120																	.025		
125																	.003		
130																	.004		
135																	.004		
140																135-140, mod. oxid / incr in qtz vng.	.013		
145																	.005		
150																	.003		
155																	.004		
160																	.002		
165																	.002		
170																	.004		
175																	.001		
180																	.002		
185																	.009		
190																	.002		
195																190-200: minor clay	.005		
200	↓	↓														drlr hit water about 200'	.004		

LAC MINERALS (U.S.A.) INC.

DRILL HOLE WO-2-89

LOCATION:
Area W. OATMAN
Coords. N. _____
E. _____

DATE:
Collared 11/16/89
Completed 11/17/89

LITHOLOGY
- BRECCIA
- TRACHYTE
- LATITE
- LAHAR, AGGLOMERATE
- TEXTURELESS
- GRANITE

ALTERATION
- ARGILLIZATION
- SS SERICITIZATION
- SILICIFICATION
- VEINS: Q-quartz; C-calcite
- Pp PROPYLITIZATION

Total Depth 465
Collar Elev. 1900
Angle -51°
Bearing N32E
Logged by MCH

Page 3 of 5

Depth	LITH.	ALT.	% VEINS T	M	A	% T	M	A	COLOR	LIMONITE W	M	S	HEMATITE W	M	S	COMMENTS	PPT Au	Ag	CHECK
205		a							lt. grn to bwn							200-210: latite ppy, as prev. described	.007		
210																	.005		
215									gry							210-255: latite ppy, gry to grn-gry, diss. py, tr to wk qtz vng, silicified, tr to no Feox, fewer phenos	.003		
220																	.009		
225																	.011		
230																	.007		
235		c															.002		
240																	.004		
245		py															.003		
250																245-250: py in vn.	.002		
255																	.003		
260									lt. gry							255-275: latite ppy, lt. gray, bleached, wk to mod Feox, wk qtz vng	.004		
265																	.003		
270																	.006		
275																	.001		
280		c							grn							275-300: latite ppy, grn, pyritic, wk qtz vng, wk to no Feox	.001		
285																	.001		
290																	.002		
295																	.002		
300									grn to bwn								.002		

LAC MINERALS (U.S.A.) INC.

DRILL HOLE WO-2-89

LOCATION:
Area W. OATMAN
Coords. N. _____
E. _____

DATE:
Collared 11/16/89
Completed 11/17/89

LITHOLOGY
- BRECCIA
- TRACHYTE
- LATITE
- LAHAR, AGGLOMERATE
- tl TEXTURELESS
- GRANITE

ALTERATION
- ARGILLIZATION
- Ss SERICITIZATION
- SILICIFICATION
- VEINS: Q-quartz; C-calcite
- Pp PROPYLITIZATION

Total Depth 465'
Collar Elev. ≈ 1900'
Angle -51°
Bearing N 32 E
Logged by mc4

	LITH.	ALT.	% VEINS T	M	A	% T	M	A	COLOR	LIMONITE W	M	S	HEMATITE W	M	S	COMMENTS	PPB Au	oPT Au	CHECK
305	tl	Pp?							grn							300-400: latite ppy, grn, pyritic, alteration (?), propylite	35	.005	
310																	64	.002	
315																	44	.001	
320																	37	.001	
325																	71	.002	
330																	46	.001	
335																	115	.003	
340																	272	.007	
345																	108	.003	
350																	32	.001	
355																	33	.001	
360																	26	.001	
365																	27	.001	
370																	45	.001	
375																	48	.001	
380		tr Q epidote m														375-400 - wk gtz vng 380-385: mod. epidotized	21	.001	
385																	12	<.001	
390																	77	<.001	
395																	12	<.001	
400	↓	↓							↓								32	.001	

LAC MINERALS (U.S.A.) INC.

DRILL HOLE WO-2-89

LOCATION:
Area W. OATMAN
Coords. N. _____
E. _____

DATE:
Collared 11/16/89
Completed 11/17/89

LITHOLOGY
- BRECCIA
- TRACHYTE
- LATITE
- LAHAR, AGGLOMERATE
- TEXTURELESS
- GRANITE

ALTERATION
- ARGILLIZATION
- SERICITIZATION
- SILICIFICATION
- VEINS: Q-quartz; C-calcite
- PROPYLITIZATION

Total Depth 465
Collar Elev. [illegible]
Angle -51°
Bearing N8CE
Logged by [illegible]

Page 5 of 5

	LITH.	ALT.	% VEINS T	M	A	% T	M	A	COLOR	LIMONITE W	M	S	HEMATITE W	M	S	COMMENTS	Au	OPT ~~Ag~~ Au	CHECK
405		p p?							grn							400-465: latite ppy, as prev. described	[illegible]	.004	
410									grn-bwn							405-440 - oxidized zone, mod-stg lim ± hem	[illegible]	.004	
415																	[illegible]	.004	
420																	[illegible]	.005	
425																	1003	.029	
430																1.023	531	.017	
435																	136	.005	
440																	[illegible]	.003	
445									grn								53	.002	
450																	[illegible]	.001	
455																	75	.002	
460																	43	.001	
465																	44	.001	
470																			
475																			
480																			
485																			
490																			
495																			
500																			

LONG LAC MINERALS EXPL. (TEXAS) INC.

DRILL LOG SUMMARY SHEET

PROJECT OATMAN

HOLE NUMBER WO-3 TOTAL DEPTH 505' LOGGED BY WCH

Date started 11/18/89

Date completed _____

Initial bearing S5E

Initial inclination -45°

Elevation ≈1990'

Collar coordinates:

N _____

E _____

Contractor GUSTIN CORP

Drill Type SIMCO 5000

Hole Size 4 1/2"

Comments _____

DOWN HOLE SURVEY INFORMATION

FROM	TO	SURVEY POINT	INCLI-NATION	BEARING	X (Northing)	Y (Easting)	Z (Elevation)

LAC MINERALS (U.S.A.) INC.

DRILL HOLE WO-3-89

LOCATION:
Area W OATMAN
Coords. N. _____
E. _____

DATE:
Collared 11/13/89
Completed 11/19/89

LITHOLOGY
- BRECCIA
- TRACHYTE
- LATITE
- LAHAR, AGGLOMERATE
- TEXTURELESS
- GRANITE

ALTERATION
- ARGILLIZATION
- SS SERICITIZATION
- SILICIFICATION
- VEINS: Q-quartz; C-calcite
- PP PROPYLITIZATION

Total Depth 505
Collar Elev. 1900
Angle -45°
Bearing S55E
Logged by MCH

Page 1 of 6

Depth	LITH.	ALT.	% VEINS T	% VEINS M	% VEINS A	% T	% M	% A	COLOR	LIMONITE W	LIMONITE M	LIMONITE S	HEMATITE W	HEMATITE M	HEMATITE S	COMMENTS	PPB Au	OPT Au	CHECK
05									grn-bwn							0-83: latite ppy, grn to bwn, str. silicif, mod-stg ovid. var.	154	.004	
10									olive grn							8tz vng, crystal-rich w/ med-lg feldspars, few mafics (altered biotites)	465	.014	
15																	[illegible]	.012	
20																	[illegible]	.002	
25																	[illegible]	.002	
30																	[illegible]	.004	
35																	[illegible]	.010	
40									green-bwn								663	.019	
45																	[illegible]	.004	
50																	352	.010	
55																	175	.005	
60																	[illegible]	.004	
65																	77	.002	
70																	100	.003	
75																	79	.002	
80																	107	.003	
85																83-87: siliceous microbx (?)	133	.004	
90																87-100: latite ppy, as prev. described	[illegible]	.002	
95																	169	.005	
100																	241	.007	

LAC MINERALS (U.S.A.) INC.

DRILL HOLE WO-3-89

LOCATION:
Area W. OATMAN
Coords. N. _____
E. _____

DATE:
Collared 11/18/89
Completed 11/19/89

LITHOLOGY
- BRECCIA
- TRACHYTE
- LATITE
- LAHAR, AGGLOMERATE
- TEXTURELESS
- GRANITE

ALTERATION
- ARGILLIZATION
- SERICITIZATION
- SILICIFICATION
- VEINS: Q-quartz; C-calcite
- PROPYLITIZATION

Total Depth 505
Collar Elev. ≈1900
Angle -45°
Bearing S 55E
Logged by mc4

Page 2 of 6

	LITH.	ALT.	% VEINS T	M	A	% T	M	A	COLOR	LIMONITE W	M	S	HEMATITE W	M	S	COMMENTS	PPB Au	OPT ~~Ag~~ Au	CHECK
105									gwn							100-200: latite ppy. as described prev.,	87	.003	
110																sl. less silicified	95	.003	
115									grn-gwn								143	.004	
120																	301	.009	
125																	174	.005	
130																	195	.006	
135																	164	.005	
140																	139	.004	
145																	335	.010	
150									grn								166	.005	
155									grn-gwn								140	.004	
160																	106	.003	
165																	143	.004	
170																	144	.004	
175																	102	.003	
180																	27	.001	
185																	24	.001	
190																	29	.001	
195																	44	.001	
200																	25	.001	

LAC MINERALS (U.S.A.) INC.

DRILL HOLE WD-[illegible]-8[illegible]

LOCATION:
Area W. DATMAN
Coords. N. _____ E. _____

DATE:
Collared 11/18/89
Completed 11/19/89

LITHOLOGY
- BRECCIA
- TRACHYTE
- LATITE
- LAHAR, AGGLOMERATE
- TEXTURELESS
- GRANITE

ALTERATION
- ARGILLIZATION
- SERICITIZATION
- SILICIFICATION
- VEINS: Q-quartz; C-calcite
- PROPYLITIZATION

Total Depth 505
Collar Elev. 1900
Angle -45°
Bearing S55E
Logged by [illegible]

Page 3 of 6

Depth	LITH.	ALT.	% VEINS T	M	A	% T	M	A	COLOR	LIMONITE W	M	S	HEMATITE W	M	S	COMMENTS	PPB Au	OPT Au	CHECK
205									grn-bwn							200-240: latite ppy, as prev. described, stg [illegible]	39	.001	
210									yellow bwn							qtz vng. 205-220 - very stg. silic [illegible] qtz vng. [illegible]	30	.001	
215																	25	.001	
220																	26	.001	
225									grn-bwn								36	.005	
230																	130	.005	
235																	49	.001	
240																	2[illegible]		
245																240-275: latite ppy, grn-sly, [illegible] pyritic, wk to no qtz vng	35		
250									grn								29		
255																	34		
260																	21		
265																	16	<.001	
270																	36	.003	
275																	34	.001	
280																275-285 - mod K-spar flooding, incr. in qtz vng	24	.001	
285																	53	.002	
290																	22	.001	
295																	27	.001	
300									grn-bwn							295-300: crowded latite, wkly oxidized, wk qtz vng	47	.001	

LAC MINERALS (U.S.A.) INC.

DRILL HOLE WD-3-89

LOCATION:
Area W. [illegible]
Coords. N. _____
E. _____

DATE:
Collared 11/19/89
Completed 11/19/89

LITHOLOGY
- BRECCIA
- TRACHYTE
- LATITE
- LAHAR, AGGLOMERATE
- TEXTURELESS
- GRANITE

ALTERATION
- ARGILLIZATION
- SERICITIZATION
- SILICIFICATION
- VEINS: Q-quartz; C-calcite
- PROPYLITIZATION

Total Depth 505
Collar Elev. 90
Angle -45°
Bearing SSSE
Logged by [illegible]

Page 4 of 6

Depth	LITH.	ALT.	% VEINS T	M	A	% T	M	A	COLOR	LIMONITE W	M	S	HEMATITE W	M	S	COMMENTS	PPB Au	OPT ~~Ag~~ Au	CHECK
305		[illegible]							grn-bwn							300-320: latite PPY, bleached, oxid., mod-stg qtz [illegible] grn-bwn	53	.002	
310																mod-stg silicified 300-3[illegible]: minor K-spar flooding(?)	47	.001	
315																	70	.002	
320																		.002	
325									lt. gry							320-325: latite lt. gry, pyritic, wk qtz vng		.001	
330									grn-bwn							325-335: latite PPY as 300-320		.001	
335																		.003	
340									dk. gry-grn							335-355: latite gry, pyritic, not as crowded w/ fold chemic wk qtz vng 340-350: minor K-spar flood (?)		.001	
345																			
350																			
355									grn-bwn							355-360: latite PPY as 300-320			
360									dk gry-grn							360-380: latite as 335-355			
365		[illegible]																	
370																			
375																			
380		[illegible]							bwn							380-395: latite PPY as 300-320, stg oxid.			
385									dk-gry-grn									.002	
390									bwn/gry/mixed							390-400: mod-stg oxid.		.002	
395									bwn									.005	
400																			

LAC MINERALS (U.S.A.) INC.

DRILL HOLE WO - 3 - 87

LOCATION:
Area [illegible]
Coords. N. _____
E. _____

DATE:
Collared 11/10/87
Completed 11/10/87

LITHOLOGY
- BRECCIA
- TRACHYTE
- LATITE
- LAHAR, AGGLOMERATE
- TEXTURELESS
- GRANITE

ALTERATION
- ARGILLIZATION
- SERICITIZATION
- SILICIFICATION
- VEINS: Q-quartz; C-calcite
- PROPYLITIZATION

Total Depth 525'
Collar Elev. 1900
Angle -45°
Bearing [illegible]
Logged by [illegible]

Page 5 of 6

	LITH.	ALT.	% VEINS T	M	A	% T	M	A	COLOR	LIMONITE W	M	S	HEMATITE W	M	S	COMMENTS	OPT Au	Ag	CHECK
405	[illegible]	Q, Pp							grn-brn to brn							[illegible]	.003		
410	[illegible]	Q, Pp														[illegible]	.001		
415		Q														hairline 3+3 veinlets, oxidized py to [illegible]	.002		
420																	.006		
425	[illegible]	Q							grnish gray							[illegible]	.003		
430																	.001		
435	[illegible]	Pp														diss py [illegible]	.001		
440	[illegible]	Pp														minor sp.	.002		
445	[illegible]	[illegible]							grnish gray							increased bleaching	.002		
450									brown							[illegible]	.001		
455																	.001		
460		Q															.001		
465		Q															.001		
470		Q														hairline 3+3 veinlets	.002		
475																[illegible]	.001		
480		Q							grnish							fine diss py, micro veinlets.	.002		
485									Reddish brn							xtal rich Trachyte? [illegible] brown aphanitic [illegible] typical of Trach [illegible]	.002		
490																	.001		
495																	.001		
500																	.001		

LAC MINERALS (U.S.A.) INC.

DRILL HOLE WD - 3 - 8 PP

LOCATION:
Area [illegible]
Coords. N. _____
E. _____

DATE:
Collared [illegible]
Completed [illegible]

LITHOLOGY
- BRECCIA
- TRACHYTE
- LATITE
- LAHAR, AGGLOMERATE
- TEXTURELESS
- GRANITE

ALTERATION
- ARGILLIZATION
- SERICITIZATION
- SILICIFICATION
- VEINS: Q-quartz; C-calcite
- PROPYLITIZATION

Total Depth 505'
Collar Elev. [illegible]
Angle -45°
Bearing S 55 E
Logged by [illegible]

Page 6 of 6

	LITH.	ALT.	% VEINS T	M	A	% T	M	A	COLOR	LIMONITE W	M	S	HEMATITE W	M	S	COMMENTS	opT Au	Ag	CHECK
	VV	PP.							Reddish Twin							Wet Trachyte	.001		
05																			
10																			
15																			
20																			
25																			
30																			
35																			
40																			
45																			
50																			
55																			
60																			
65																			
70																			
75																			
80																			
85																			
90																			
95																			
00																			

LONG LAC MINERALS EXPL. (TEXAS) INC.

DRILL LOG SUMMARY SHEET

PROJECT Oatman (West Oatman)

HOLE NUMBER WO-4 TOTAL DEPTH 475' LOGGED BY MHB/NHB

Thanksgiving Break 11/22 - 11/29

Date started 11/20/89

Date completed 11/30/89

Initial bearing N 32 W

Initial inclination -44°

Elevation ~ 1940'

Collar coordinates:

N

E

Contractor Grotin Corp

Drill Type [illegible]

Hole Size [illegible]

Comments Holiday break 11/21/89 stop at 400' [illegible] 11/30/89.

Hit H_2O @ 235'

DOWN HOLE SURVEY INFORMATION

FROM	TO	SURVEY POINT	INCLI-NATION	BEARING	X (Northing)	Y (Easting)	Z (Elevation)

LAC MINERALS (U.S.A.) INC.

DRILL HOLE WD-4-89

LOCATION:
Area (W) Alma
Coords. N. _____
E. _____

DATE:
Collared 11/29/89
Completed 11/30/89

LITHOLOGY
- BRECCIA
- TRACHYTE
- LATITE
- LAHAR, AGGLOMERATE
- TEXTURELESS
- GRANITE

ALTERATION
- ARGILLIZATION
- SERICITIZATION
- SILICIFICATION
- VEINS: Q-quartz; C-calcite
- PROPYLITIZATION

Total Depth 475
Collar Elev. 1945'
Angle -44°
Bearing N 35 W
Logged by JMH

	LITH.	ALT.	% VEINS T	% VEINS M	% VEINS A	% T	% M	% A	COLOR	LIMONITE W	LIMONITE M	LIMONITE S	HEMATITE W	HEMATITE M	HEMATITE S	COMMENTS	Au	Ag	CHECK
	OVERBURD																.004		
05		Q S														Argillic Alt [illegible] weak silicified	.003		
10		Q C															.003		
15																	.001		
20		V															.002		
25		Q X														Silicified [illegible]	.002		
30		X X														good vein in bx zone 325-45	.002		
35		X															.001		
40		Q X															.002		
45		X															.006		
50		Pot C							green gray							white calcite [illegible]	.002		
55		~~							Red gray								.003		
60		C Pot							gray							gtz calcite veining	.003		
65		Q Pot															.002		
70		Q C														gtz veining	.005		
75		Q							yellow gray								.008		
80		X							red/brn							Increase in lim hem Argillic Alt. Bleached latite Drusy gtz veinlets weak Silicification	.003		
85		X X															.004		
90		X X															.002		
95		X X							light gray							hairline fracture veinlets gtz.	.008		
100																			

LAC MINERALS (U.S.A.) INC.

DRILL HOLE WD - 4 - 89

LOCATION:
Area W. [illegible]
Coords. N. _____
E. _____

DATE:
Collared Weeks
Completed _____

LITHOLOGY
- BRECCIA
- TRACHYTE
- LATITE
- LAHAR, AGGLOMERATE
- TEXTURELESS
- GRANITE

ALTERATION
- ARGILLIZATION
- SERICITIZATION
- SILICIFICATION
- VEINS: Q-quartz; C-calcite
- PROPYLITIZATION

Total Depth 475
Collar Elev. 10W2
Angle ~ 114°
Bearing N 35 W
Logged by [illegible]

Page 2 of 5

	LITH.	ALT.	% VEINS T	M	A	% T	M	A	COLOR	LIMONITE W	M	S	HEMATITE W	M	S	COMMENTS	g/T Au	Ag	CHECK
05	DT								red Brwn.							Oxidized ATTC ZTS fract/ veins/ white recent drusy open space	.018		
10																dino black metallic sem. zwischen Red / tan.	.008		
15		X X															.018		
20		X X															.006		
25																	.003		
30																Drusy QTZ [illegible] open space QTZ	.002		
35																	.003		
40																	.006		
45		TC QT							grey							[illegible]	.002		
50																[illegible]	<.001		
55																	.001		
60																	.001		
65																	.005		
70		~~							Red Brwn.							QTZ veins	.002		
75		Q QT ~~															.003		
80																	.002		
85																	.002		
90																	.003		
95		QT P							grey							Chl Alt latite. granular SSL??	.001		
200		X S X							Red							Bleached latite Hem Stained, strong QTZ veining Drusy white QTZ	.002		

LAC MINERALS (U.S.A.) INC.

DRILL HOLE WD - 4 - 82

LOCATION:
Area West Madison
Coords. N. _____
E. _____

DATE:
Collared 11/20/89
Completed 11/30/89

LITHOLOGY
- BRECCIA
- TRACHYTE
- LATITE
- LAHAR, AGGLOMERATE
- tl TEXTURELESS
- GRANITE

ALTERATION
- ARGILLIZATION
- Ss SERICITIZATION
- SILICIFICATION
- VEINS: Q-quartz; C-calcite
- Pp PROPYLITIZATION

Total Depth 475'
Collar Elev. 1949
Angle -44°
Bearing N 35W
Logged by MAR

	LITH.	ALT.	% VEINS T	M	A	% T	M	A	COLOR	LIMONITE W	M	S	HEMATITE W	M	S	COMMENTS	Au	Ag	CHECK
205																Strong Prop to argillic Alt x-cut Rich latite Chl ca. 3TZ veins	.001		
210																	.002		
215																	.001		
220																± white granitic text. chips	.001		
225																3TZ Bx Brecciated latite 225-240 Chl-Alt matrix cem Alt 3TZ vein 3% 225-240	.001		
230																	.002		
235																	.002		
240																	.001		
245																Chl Alt Tlag; limited fracture.	.004		
250																Pink kaper in Tlag.	.002		
255																3TZ vein	.002		
260																	.002		
265																	.002		
270																	.002		
275																Stockwork fract to 8% 3TZ limonite fracture silicified	.003		
280																	.001		
285																	.003		
290																	.003		
295																	.001		
300																	.001		

LAC MINERALS (U.S.A.) INC.

DRILL HOLE Wo - 4 - 89

LOCATION:
Area West Artemis
Coords. N. _____
E. _____

DATE:
Collared [illegible]
Completed 11/30/89

LITHOLOGY
- BRECCIA
- TRACHYTE
- LATITE
- LAHAR, AGGLOMERATE
- TEXTURELESS
- GRANITE

ALTERATION
- ARGILLIZATION
- SS SERICITIZATION
- SILICIFICATION
- VEINS: Q-quartz; C-calcite
- PP PROPYLITIZATION

Total Depth 475'
Collar Elev. 1940
Angle -44°
Bearing N75W
Logged by [illegible]

Page 4 of 5

	LITH.	ALT.	% VEINS T	M	A	% T	M	A	COLOR	LIMONITE W	M	S	HEMATITE W	M	S	COMMENTS	Au	Ag	CHECK
305									Yellow Brn.							Silicified Bleached limonite flooded Tl. qtz veinlets @ Bx.	<.001		
310																	.001		
315																qtz veinlets Air latite Argillic Near Side			
320																			
325																			
330																			
335																			
340																			
345									grn Black							[illegible]	<.001		
350									dk gray Brn							qtz Bx vn. Black py & py. white & green white qtz Bx			
355																			
360																			
365									Tan								.001		
370																	.002		
375									grn							Chl ep. Hi [illegible] Poorly veined xtal rich latite	.001		
380		P.P.																	
385		chl ep.															<.001		
390																			
395																			
400																			

11/21 1:30 p.m. stop at 400' prepare for [illegible] [illegible] out of water. will finish [illegible] [illegible]

LAC MINERALS (U.S.A.) INC.

DRILL HOLE WO-4-89

LOCATION:
Area W. OATMAN
Coords. N. _____ E. _____

DATE:
Collared 11/20/89
Completed 11/30/89

LITHOLOGY
- BRECCIA
- TRACHYTE
- LATITE
- LAHAR, AGGLOMERATE
- TEXTURELESS
- GRANITE

ALTERATION
- ARGILLIZATION
- SS SERICITIZATION
- SILICIFICATION
- VEINS: Q-quartz; C-calcite
- Pp PROPYLITIZATION

Total Depth 475'
Collar Elev. _____
Angle -44°
Bearing N30W
Logged by NHB

Page 5 of 5

	LITH.	ALT.	% VEINS T	M	A	% T	M	A	COLOR	LIMONITE W	M	S	HEMATITE W	M	S	COMMENTS	Au	Ag	CHECK
405		pP							grn ± ep.							375-475: Contd as above in prop. altd (chl-ep-cc) latite agglom with distinctive hetero lith clastic texture. contamination w/ few blk qtz 5 chips from? 305?	<.001		
410																			
415																			
420																			
425																			
430									+brn							430-460: Wash color Δ to lite brnish green w/ minor lim on frax ± minor clasts of pinkish trachyte? in Tlag.			
435																			
440																			
445																minor % white cc chips ⇒ veins			
450		+c v c																	
455																			
460																			
465									grn							465-470' - less feox stng & wash al. green			
470									+brn							+ minor feox - contam?	.001		
475																			
80																T.D. 475'			
85																@ 3:15pm 11/30/89			
90																			
95																			
00																			

LONG LAC MINERALS EXPL. (TEXAS) INC.

DRILL LOG SUMMARY SHEET

PROJECT West Oatman

HOLE NUMBER Wo-5 TOTAL DEPTH 445' LOGGED BY NHB

Date started 12/1/89 8:45 AM

Date completed 12/2/89 12:35 pm

Initial bearing N12E

Initial inclination -50°

Elevation ~1940

Collar coordinates:

N

E

Contractor Gustin

Drill Type Simco 5000

Hole Size 4½

Comments Rods tight so went wet @ 305' ⇒ probably damp ~250± - Too slow ~10:30 so went hourly (415-445)

DOWN HOLE SURVEY INFORMATION

FROM	TO	SURVEY POINT	INCLI-NATION	BEARING	X (Northing)	Y (Easting)	Z (Elevation)

LAC MINERALS (U.S.A.) INC.

DRILL HOLE WO-5-889

LOCATION:
Area W. OATMAN
Coords. N. _____
E. _____

DATE:
Collared 12/1/89
Completed 12/2/89

LITHOLOGY
- BRECCIA
- TRACHYTE
- LATITE
- LAHAR, AGGLOMERATE
- TEXTURELESS
- GRANITE

ALTERATION
- ARGILLIZATION
- SERICITIZATION
- SILICIFICATION
- VEINS: Q-quartz; C-calcite
- PROPYLITIZATION

Total Depth 445'
Collar Elev. 4940'
Angle -50°
Bearing N12E
Logged by NHP

Page 1 of 5

	LITH.	ALT.	% VEINS T	M	A	% T	M	A	COLOR	LIMONITE W	M	S	HEMATITE W	M	S	COMMENTS	oPT Au	Ag	CHECK
05									olive brn.							Bedrock @ ~1' 1–20': oxidized ± bleached latite with	.004		
10																tr-mod. qtz-cc veinlets +mod-strg. lim ± wk hem stng.	.004		
15																	.003		
20																	.001		
25									tan							20-30': Incl. 30-50%	.100		
30																	.006		
35									lt. gy. brn								.005		
40									"							30-45': ox. wk.-mod.	.008		
45									tan							probable trusy qtz-cc vng.	.004		
50									olive brn ± red							45-65': hem stng & vng ± microbxn. incr	.002		
55																-probably silicified breccia zone w/ notably more calcite vng	.001		
60																	.004		
65									olive brn + white							← minor bleached white latite chips	.010		
70									gy. brn ± red							higher % qtz-cc veins.	.019		
75																incr hem-stng	.008		
80																	.004		
85																	.006		
90									grnish brn.							85-100': Notable decr. in hem. & silh & veins.	.005		
95																← tr. cc. crystals	.007		
100																	.003		

LAC MINERALS (U.S.A.) INC.

DRILL HOLE WO-5-89

LOCATION:
Area W. OATMAN
Coords. N. _____ E. _____

DATE:
Collared 12/1/89
Completed 12/2/89

LITHOLOGY
- BRECCIA
- TRACHYTE
- LATITE
- LAHAR, AGGLOMERATE
- TEXTURELESS
- GRANITE

ALTERATION
- ARGILLIZATION
- SERICITIZATION
- SILICIFICATION
- VEINS: Q-quartz; C-calcite
- PROPYLITIZATION

Total Depth 445
Collar Elev. ~1940
Angle -50°
Bearing N12°E
Logged by NHB

Page 2 of 5

Depth	LITH.	ALT.	% VEINS T	M	A	% T	M	A	COLOR	LIMONITE W	M	S	HEMATITE W	M	S	COMMENTS	OPT Au	Ag	CHECK
/05		P ++ Qc							olive grn-brown							100-150: Mostly less oxidized, less sild olive green latite ± tr. qtz-cc micro-veinlets	.003		
/10																	.012		
/15																	.003		
/20																	.001		
/25																	.001		
/30									olive green								.001		
/35		Xw ++ Qc							red brn							← mod fe std interval ± wkly silicified	<.001		
/40		P P ++ Q.c							olive grn-brn								.002		
/45									"								.001		
/50									olive green								<.001		
/55		P?? ++ Q							Pale green-white							150-180': distinctive white biotite (→chlorite) rich granitoid rock →	.001		
/60																? probably PE? w/ tr. hairline qtz vnlts & minor dissem lim. &	.001		
/65																hem. ex. mafics & ?py	.001		
/70																	<.001		
/75																incr in feox strg	<.001		
/80																	.001		
/85		P P?							green							180-195: mostly hard green prop. latite	.001		
/90																w/ rare to absent veining but siliceous appearance	.001		
/95																	.002		
200		Xw- ++ Q							brn-grn							195-205': Fe-std olive green wkly sil'd: & veined latite	.002		

LAC MINERALS (U.S.A.) INC.

DRILL HOLE WD-5-89

LOCATION:
Area W. OATMAN
Coords. N. _____
E. _____

DATE:
Collared 12/1/89
Completed 12/2/89

LITHOLOGY
- BRECCIA
- TRACHYTE
- LATITE
- LAHAR, AGGLOMERATE
- TEXTURELESS
- GRANITE

ALTERATION
- ARGILLIZATION
- SERICITIZATION
- SILICIFICATION
- VEINS: Q-quartz; C-calcite
- PROPYLITIZATION

Total Depth 445'
Collar Elev. ~1940
Angle -50
Bearing N12E
Logged by NHZ

	LITH.	ALT.	% VEINS T	% VEINS M	% VEINS A	% T	% M	% A	COLOR	LIMONITE W	LIMONITE M	LIMONITE S	HEMATITE W	HEMATITE M	HEMATITE S	COMMENTS	FT Au	Ag	CHECK
205		Xw tr w-c							brn-grn							25 above - wkly ox. latite w/ minor qtz vng	.002		
210		pp							green							205 - ~222: hard green siliceous latite (prop) w/ trace hairline veinlets	.003		
215																	.001		
220																	<.001		
225		p p X w-m							+brn							222 - 325: Fe-std/hk reddish-brn siliceous and probably silicified ptrachyte.	.001		
230		+ tr w tr Xz tr w							recent green-brown								.001		
235																	.002		
240																	.002		
245																	.001		
250																	.001		
255		X tr w Xz tr Q							red-brn							250-290: Strgly Silicified breccia w/ hairline qtz veins.	.002		
260																	.003		
265																	.003		
270									+dk grey							265-280: includes minor 2% dark grey qtz-sulfide breccia w/ tr-2% py in dense silicified matrix	.001		
275									"								.001		
280																	.001		
285									red brn								.001		
290																	.001		
295		X w-m + tr w														290-325: less silicified and not brecciated trachyte w/ w-m hairline qtz veinlets	.002		
300		"														(as 225-250')	.004		

LAC MINERALS (U.S.A.) INC.

DRILL HOLE WO-5-89

LOCATION:
Area W. OATMAN
Coords. N. _____ E. _____

DATE:
Collared 12/1/89
Completed 12/2/89

LITHOLOGY
- BRECCIA
- TRACHYTE
- LATITE
- LAHAR, AGGLOMERATE
- TEXTURELESS
- GRANITE

ALTERATION
- ARGILLIZATION
- SERICITIZATION
- SILICIFICATION
- VEINS: Q-quartz; C-calcite
- PROPYLITIZATION

Total Depth 445'
Collar Elev. ~1940
Angle -50°
Bearing N12E
Lagged by NHB

Page 4 of 5

	LITH.	ALT.	% VEINS T	M	A	% T	M	A	COLOR	LIMONITE W	M	S	HEMATITE W	M	S	COMMENTS	OPT Au	Ag	CHECK
305		X w-m Q							lite red-brn							-325': as above w-m silicified and mod. veined ?trachyte?	.009		
310									"							← had to drill wet-rods getting tight	.017		
315									+ dk grey							← includes 5-10% dk gry. qtz-sulfide bx chips. ↓ - probable contam from above due to H2O.	.005		
320									red brn								.002		
325									"								.002		
330		X S Q							brn + dk gry							325-335': mostly dk grey qtz-sulfide bx as in WO-4 - probable flw strux.	.001		
335		"							dk grey							← flw qtz-[illegible] bx	.001		
340		Q tr.							olive green + orng							335-355': mixed wkly oxidized prop. latite agglomerate ± tr hairline qtz-vnlts.	.002		
345									dk green								.002		
350									"								.001		
355									+ red								.001		
360									green							355-445': largely prop. altered (chl-ep-cc-py) latite agglomerate (Footwall)	<.001		
365																	<.001		
370																	.001		
375																	.001		
380																	<.001		
385																	.001		
390																	.001		
395									+ red + white							← moderate contamination	.001		
400									green								.001		

LAC MINERALS (U.S.A.) INC.

DRILL HOLE NO-5-89

LOCATION:
Area W. OATMAN
Coords. N. _____
E. _____

DATE:
Collared 12/1/89
Completed 12/2/89

LITHOLOGY
- BRECCIA
- TRACHYTE
- LATITE
- LAHAR, AGGLOMERATE
- TEXTURELESS
- GRANITE

ALTERATION
- ARGILLIZATION
- SERICITIZATION
- SILICIFICATION
- VEINS: Q-quartz; C-calcite
- PROPYLITIZATION

Total Depth 445'
Collar Elev. ~1940
Angle -50°
Bearing N12E
Logged by NHB

Page 5 of 5

	LITH.	ALT.	% VEINS T	M	A	% T	M	A	COLOR	LIMONITE W	M	S	HEMATITE W	M	S	COMMENTS	opt Au	Ag	CHECK
405		pp							green							~445': as above - green prop. alt'd flow w/ typical chl-ep-py-cc.	.002		
410																	.002		
415																← tr. reddish brn siliceous chips-cotton	<.001		
420																			
425																			
430																			
435																← tr. bisecting calcite veinlet.			
440																			
445																TD 445'.			
50																12/2/89 12:30pm			
55																			
60																			
65																			
70																			
75																			
80																			
85																			
90																			
95																			
00																			

LONG LAC MINERALS EXPL. (TEXAS) INC.

DRILL LOG SUMMARY SHEET

PROJECT W. OATMAN

HOLE NUMBER WO-6 TOTAL DEPTH 490' LOGGED BY WHB MCH

Date started 12/2/89 ~2:30pm

Date completed 12/4/89

Initial bearing ~N12E

Initial inclination -81°

Elevation ~1940'

Collar coordinates:

N

E

Contractor GUSTIN

Drill Type SIMCO 5000

Hole Size 4 1/2

Comments 12/2: 0-35' then shut down @ 3:30 for GoTrack Parts/Maint. 12/3 7:45 AM: 35'-

DOWN HOLE SURVEY INFORMATION

FROM	TO	SURVEY POINT	INCLI-NATION	BEARING	X (Northing)	Y (Easting)	Z (Elevation)

LAC MINERALS (U.S.A.) INC.

DRILL HOLE WO-6-89

LOCATION:
Area W. OATMAN
Coords. N. _____
E. _____

DATE:
Collared 12/2/89
Completed _____

LITHOLOGY
- BRECCIA
- TRACHYTE
- LATITE
- LAHAR, AGGLOMERATE
- TEXTURELESS
- GRANITE

ALTERATION
- ARGILLIZATION
- SERICITIZATION
- SILICIFICATION
- VEINS: Q-quartz; C-calcite
- PROPYLITIZATION

Total Depth _____
Collar Elev. ~1940'
Angle -81°
Bearing N12E
Logged by MHB

Page 1 of 5

	LITH.	ALT.	%VEINS T	%VEINS M	%VEINS A	% T	% M	% A	COLOR	LIMONITE W	LIMONITE M	LIMONITE S	HEMATITE W	HEMATITE M	HEMATITE S	COMMENTS	oPT Au	Ag	CHECK
05									Tan to Reddish Brn							Well veined andesite with white qtz veins. Bleached	.004		
10																	.032		
15																	.005		
20																	.013		
25		PP Qtz							olive Brn							qtz veining dominant over Calcite	.004		
30																	.013		
35		PP X Qtz															.003		
40		X															.002		
45		X Qtz															.003		
50																	.002		
55																	.004		
60		X Qtz														SiO2 flooding weak to Mod	.003		
65		X															.002		
70		Xw															.007		
75		Xw														hairline qtz stringers	.004		
80		PP Qtz														weak veining 80-100	.002		
85		Qtz															.002		
90		PP							grn								.001		
95		-							olive Brn								.004		
100		-															.016		

LAC MINERALS (U.S.A.) INC.

DRILL HOLE WO-6-89

LOCATION:
Area W. OATMAN
Coords. N. _____
E. _____

DATE:
Collared 12/2/89
Completed _____

LITHOLOGY
- BRECCIA
- TRACHYTE
- LATITE
- LAHAR, AGGLOMERATE
- TEXTURELESS
- GRANITE

ALTERATION
- ARGILLIZATION
- SERICITIZATION
- SILICIFICATION
- VEINS: Q-quartz; C-calcite
- PROPYLITIZATION

Total Depth _____
Collar Elev. ~1940'
Angle -81°
Bearing N 12 E
Logged by MHB

Page 2 of 5

	LITH.	ALT.	% VEINS T	M	A	% T	M	A	COLOR	LIMONITE W	M	S	HEMATITE W	M	S	COMMENTS	oPT Au	Ag	CHECK
105									olive grn.							silica flooded latite.	.001		
110									↓							↓	.001		
115									red brn							weak silica flooding. Calcite vein.	.002		
120									olive grn							silica flooding.	<.001		
125																	.001		
130																	.004		
135									↓							↓	.001		
140									lt. grn gray.							Elevated Pb at ~133 - 138'	<.001		
145																chl ep. alt. coarse xtaline pp. Pink K spar.	<.001		
150																	.004		
155																	<.001		
160																	.001		
165																	.001		
170									↓								.001		
175									lt. gray to green							~172-192 - Bleached grn. tuff. Blue chalcedony veinlets	<.001		
180																	↓		
185																			
190																			
195									↓										
200																			

LAC MINERALS (U.S.A.) INC.

DRILL HOLE W2 - 6 - 89

LOCATION:
Area W Oatman
Coords. N. _____
E. _____

DATE:
Collared 12/2/89
Completed _____

LITHOLOGY
- BRECCIA
- TRACHYTE
- LATITE
- LAHAR, AGGLOMERATE
- TEXTURELESS
- GRANITE

ALTERATION
- ARGILLIZATION
- SERICITIZATION
- SILICIFICATION
- VEINS: Q-quartz; C-calcite
- PROPYLITIZATION

Total Depth _____
Collar Elev. ~1940'
Angle -81°
Bearing N12E
Logged by MHG

Page 3 of 5

	LITH.	ALT.	% VEINS T	M	A	% T	M	A	COLOR	LIMONITE W	M	S	HEMATITE W	M	S	COMMENTS	Au	Ag	CHECK
205		PP														200-223 granite	.001		
210																	<.001		
215																	.001		
220																	<.001		
225																223-240: latite, gra tr vng, tr py, tr chl.	<.001		
230																	.001		
235																	<.001		
240																			
245																240-300, trachyte red-brown, lrg feldspar [illegible]			
250																[illegible]			
255																	.001		
260																	<.001		
265																	.001		
270																	.001		
275																	.001		
280																	.001		
285																	.003		
290																	.001		
295																	.001		
300																	<.001		

LAC MINERALS (U.S.A.) INC.

DRILL HOLE WD-6-87

LOCATION:
Area W OAKMAN
Coords. N. _____
E. _____

DATE:
Collared 12/2/89
Completed _____

LITHOLOGY
- BRECCIA
- TRACHYTE
- LATITE
- LAHAR, AGGLOMERATE
- TEXTURELESS
- GRANITE

ALTERATION
- ARGILLIZATION
- SERICITIZATION
- SILICIFICATION
- VEINS: Q-quartz; C-calcite
- PROPYLITIZATION

Total Depth _____
Collar Elev. ≈ 4910
Angle -87°
Bearing —
Logged by LAC

Page 4 of 5

	LITH.	ALT.	% VEINS T	% VEINS M	% VEINS A	% T	% M	% A	COLOR	LIMONITE W	LIMONITE M	LIMONITE S	HEMATITE W	HEMATITE M	HEMATITE S	COMMENTS	oPT Au	Ag	CHECK
305	V V V	ARG							red-brn							300-335: trachyte zone	<.001		
310																	<.001		
315																	<.001		
320																	.001		
325																	.002		
330																	<.001		
335																330': [illegible] zone	<.001		
340	Δ Δ Δ	X X														335-340': dk gry qtz silicified zone	.002		
345																	.003		
350																	.004		
355																	.001		
360																	<.001		
365																			
370	Δ Δ	X X							↓							363-375: dk gry qtz silicified zone			
375	Δ Δ Δ Δ								gray + red-brn										
380																			
385	Δ Δ Δ								↓							383-400: dk gry qtz-silicified sta			
390	Δ Δ Δ								gray							silicified - brecciated qtz vns			
395																			
400	↓	↓							↓								↓		

LAC MINERALS (U.S.A.) INC.

DRILL HOLE WO - 6 - 89

LOCATION:
Area: S. Oatman
Coords. N. _____ E. _____

DATE:
Collared 12/2/89
Completed 12/4/89

LITHOLOGY
- BRECCIA
- TRACHYTE
- LATITE
- LAHAR, AGGLOMERATE
- TEXTURELESS
- GRANITE

ALTERATION
- ARGILLIZATION
- SERICITIZATION
- SILICIFICATION
- VEINS: Q-quartz; C-calcite
- PROPYLITIZATION

Total Depth 490'
Collar Elev. ≈194'
Angle -81°
Bearing —
Logged by [illegible]

Page 5 of 5

	LITH.	ALT.	% VEINS T	M	A	% T	M	A	COLOR	LIMONITE W	M	S	HEMATITE W	M	S	COMMENTS	opT Au	Ag	CHECK
405									gry-grn-gry							400-460: qtz-sulfide bx, gray-grn, stg	.001		
410																silicified, wk pyritic, tr chl, wk-mod qtz vng	<.001		
415																			
420																			
425																	.001		
430																	<.001		
435																	.001		
440																	<.001		
445																			
450																			
455									orng bwn							455-460: stg oxid.			
460									grn							460-490: latite agglomerate; grn, propylitized			
465																			
470																			
475																			
480																			
485																			
490																TD - 490' in Tlag			
495																noon - 12/4			
00																			

LONG LAC MINERALS EXPL. (TEXAS) INC.

LAC

DRILL LOG SUMMARY SHEET

PROJECT OATMAN

HOLE NUMBER WO-7 TOTAL DEPTH 465' LOGGED BY WCH

Date started 12/4/89

Date completed 12/6/89

Initial bearing N30E

Initial inclination -58°

Elevation ≈ 1795'

Collar coordinates:

N

E

Contractor FOSTIN

Drill Type Simco 5000

Hole Size 4 1/2"

Comments 2 hrs to set casing bedrk @ 12', drilled 1 1/2 hrs @ hourly to end hole, good bu'd trachyte + structure 300 → 405.

DOWN HOLE SURVEY INFORMATION

FROM	TO	SURVEY POINT	INCLI-NATION	BEARING	X (Northing)	Y (Easting)	Z (Elevation)

LAC MINERALS (U.S.A.) INC.

DRILL HOLE WC-7-89

LOCATION:
Area W. PATTON
Coords. N. _____
E. _____

DATE:
Collared 12/4/89
Completed 12/6/89

LITHOLOGY
- BRECCIA
- TRACHYTE
- LATITE
- LAHAR, AGGLOMERATE
- TEXTURELESS
- GRANITE

ALTERATION
- ARGILLIZATION
- SERICITIZATION
- SILICIFICATION
- VEINS: Q-quartz; C-calcite
- PROPYLITIZATION

Total Depth 41.5'
Collar Elev. ~179'
Angle -58°
Bearing N30E
Logged by mcH

Page 1 of ___

	LITH.	ALT.	% VEINS T	M	A	% T	M	A	COLOR	LIMONITE W	M	S	HEMATITE W	M	S	COMMENTS	Au	Ag	CHECK
05									brn							bedrock @ 12'	.009		
10																	.019		
15																12-100': latite, grn-brn, wk-stg oxid, wk to no vns locally	.002		
20									lt. grn							bleached, local chl.; local prop. alteration	.002		
25																15-35': bleached zone w/ min chl.	<.001		
30																	<.001		
35																	<.001		
40																	.003		
45		P P S P							grn-brn								.001		
50									grn							45-57': stg prop alt.	<.001		
55									grn-brn								<.001		
60		P P brn							grn								.002		
65																	.001		
70																	.001		
75																	.001		
80																	.002		
85																	.004		
90																	.003		
95									brn								.003		
100																	.025		

LAC MINERALS (U.S.A.) INC.

DRILL HOLE WD-7-89

LOCATION:
Area W. DAIMAN
Coords. N. _____
E. _____

DATE:
Collared 12/4/89
Completed 12/6/89

LITHOLOGY
- BRECCIA
- TRACHYTE
- LATITE
- LAHAR, AGGLOMERATE
- TEXTURELESS
- GRANITE

ALTERATION
- ARGILLIZATION
- SERICITIZATION
- SILICIFICATION
- VEINS: Q-quartz; C-calcite
- PROPYLITIZATION

Total Depth 465
Collar Elev. _____
Angle -50°
Bearing N 30 E
Logged by mch

	LITH.	ALT.	% VEINS T	% VEINS M	% VEINS A	% T	% M	% A	COLOR	LIMONITE W	LIMONITE M	LIMONITE S	HEMATITE W	HEMATITE M	HEMATITE S	COMMENTS	Au	Ag	CHECK
105									green							100-200: latite: grn to brn, mod-no oxid some wk vng	.013		
110																	.001		
115																	.001		
120																	<.001		
125																granite in one chip	<.001		
130																	<.001		
135																	.003		
140																	<.001		
145																	<.001		
150		2 cc							brn							granite in one chip	.002		
155																150→ could be altered lahar unit	.003		
160									grn								.005		
165																few chips of granite	.001		
170																	.001		
175																	<.001		
180																	<.001		
185																	<.001		
190																	<.001		
195																	.001		
200									org-brn							195-200: stg oxid,	.004		

LAC MINERALS (U.S.A.) INC.

DRILL HOLE WD - 7 - 89

LOCATION:
Area W. DIAMOND
Coords. N. _____
E. _____

DATE:
Collared 12/4/89
Completed 12/6/89

LITHOLOGY
- BRECCIA
- TRACHYTE
- LATITE
- LAHAR, AGGLOMERATE
- TEXTURELESS
- GRANITE

ALTERATION
- ARGILLIZATION
- SERICITIZATION
- SILICIFICATION
- VEINS: Q-quartz; C-calcite
- PROPYLITIZATION

Total Depth 465
Collar Elev. _____
Angle -59°
Bearing N30E
Logged by MCH

	LITH.	ALT.	% VEINS T	M	A	% T	M	A	COLOR	LIMONITE W	M	S	HEMATITE W	M	S	COMMENTS	OPT Au	Ag	CHECK
205									brn-grn							200-290, latite or poss. trachyte, lahar, green to brn, wk vnlg, mod-mod sil,	.002		
210																	.001		
215																	.003		
220																	.001		
225									grn								<.001		
230																	.001		
235																	.001		
240																	.001		
245																	.002		
250									brn							mod-wk sil of grn vnlg	.001		
255																	.002		
260									grn								<.001		
265																	<.001		
270																	<.001		
275																	<.001		
280																	.001		
285																	.001		
290									red-brn							290-300, trachyte, reddish brn,	.002		
295																	.001		
300																			

LAC MINERALS (U.S.A.) INC.

DRILL HOLE WD - 7 - 89

LOCATION:
Area W. ATMAN
Coords. N. _____
E. _____

DATE:
Collared 12/4/89
Completed 12/6/89

LITHOLOGY
BRECCIA
TRACHYTE
LATITE
LAHAR, AGGLOMERATE
TEXTURELESS
GRANITE

ALTERATION
ARGILLIZATION
SERICITIZATION
SILICIFICATION
VEINS: Q-quartz; C-calcite
PROPYLITIZATION

Total Depth 465
Collar Elev. _____
Angle -58°
Bearing N30E
Logged by MAC

	LITH.	ALT.	% VEINS T	% VEINS M	% VEINS A	% T	% M	% A	COLOR	LIMONITE W	LIMONITE M	LIMONITE S	HEMATITE W	HEMATITE M	HEMATITE S	COMMENTS	opt Au	Ag	CHECK
305	V V V	Q-C-X w-cX							gray-brn							300-330: trachyte, brn to grn, fractured, silica-clayed (v/f)	.002		
310																wk-mg gtz vng	.001		
315	V																.002		
320	Δ Δ Δ																.001		
325																	.002		
330	V	V V																	
335	V V								grn							330-335: trachyte 330-335: grn, lapilli-bearing	<.001		
340																335-350: red-brn	.001		
345																	<.001		
350									red-brn								<.001		
355	Δ Δ Δ	Q X cX							gray-brn							350-355: trachyte bx, as in 300-330	<.001		
360																	<.001		
365																	.001		
370																	.001		
375																	.002		
380									brn-org								.015		
385	V																.008		
390	vein								org-red							385-390: gtz vein, coated w/ hem-lim.	.001		
395	Δ Δ Δ								brn							390-400: trachyte	<.001		
400	V V V	V V															<.001		

LAC MINERALS (U.S.A.) INC.

DRILL HOLE WD - 7 - 89

LOCATION:
Area W. Oatman
Coords. N. _____
E. _____

DATE:
Collared 17/4/89
Completed 12/6/89

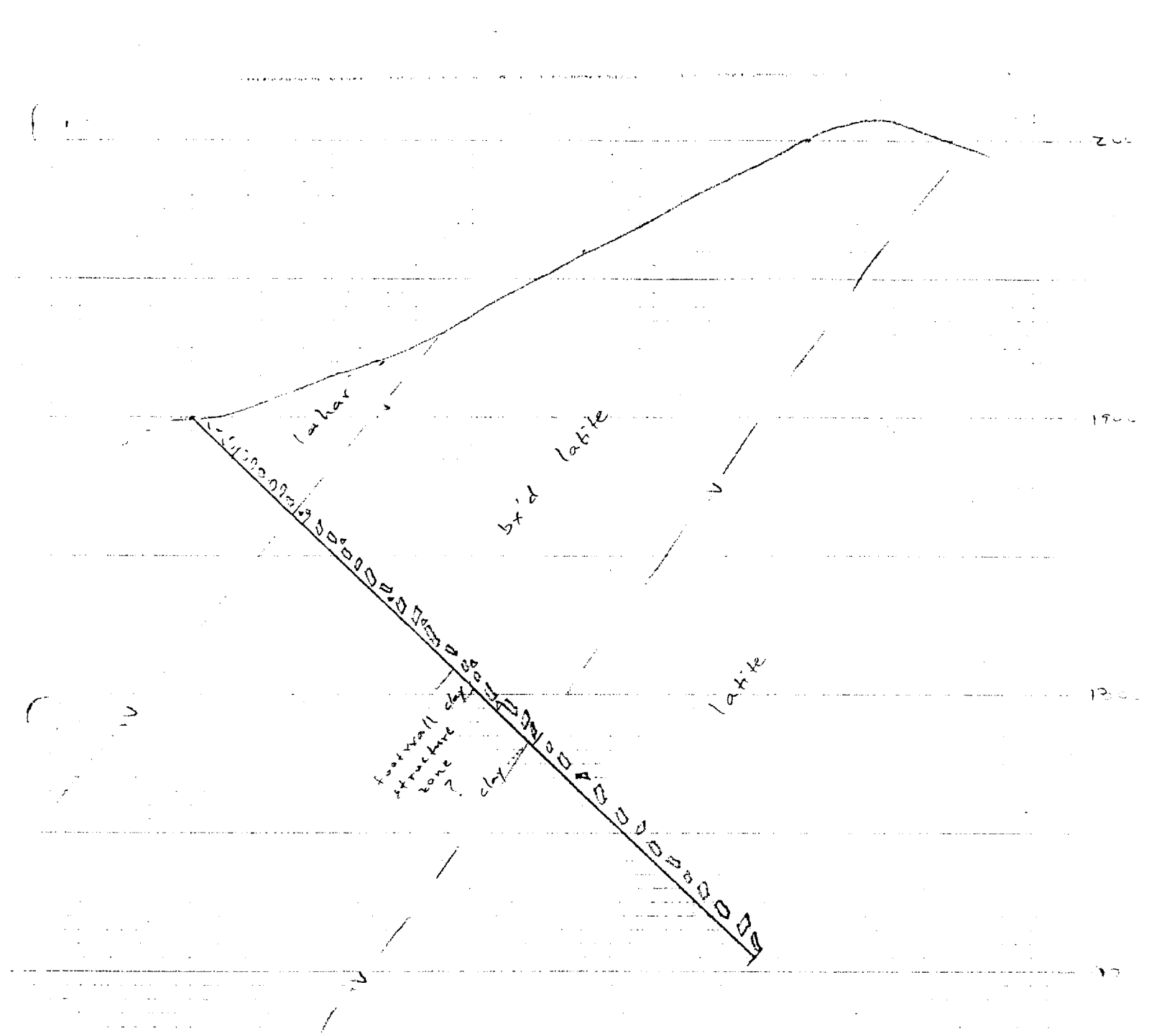
LITHOLOGY
- BRECCIA
- TRACHYTE
- LATITE
- LAHAR, AGGLOMERATE
- TEXTURELESS
- GRANITE

ALTERATION
- ARGILLIZATION
- SS SERICITIZATION
- SILICIFICATION
- VEINS: Q-quartz; C-calcite
- Pp PROPYLITIZATION

Total Depth 465
Collar Elev. _____
Angle -53°
Bearing N 205
Logged by [illegible]

Page 5 of 5

	LITH.	ALT.	% VEINS T	M	A	% T	M	A	COLOR	LIMONITE W	M	S	HEMATITE W	M	S	COMMENTS	Au	Ag	CHECK
405									red-brn							400-412: trachyte, reddish brn, mod [illegible] silicified	<.001		
410																	<.001		
415									grn								.001		
420																412-465: latite aggl. green, wk [illegible] if any, Ep - chl.	<.001		
425																			
430																			
435																			
440																			
445																			
450																			
455																			
460																			
465																TD @ 465'			
70																1 PM 12/6			
75																			
80																			
85																			
90																			
95																			
00																			



WO-1 SECTION

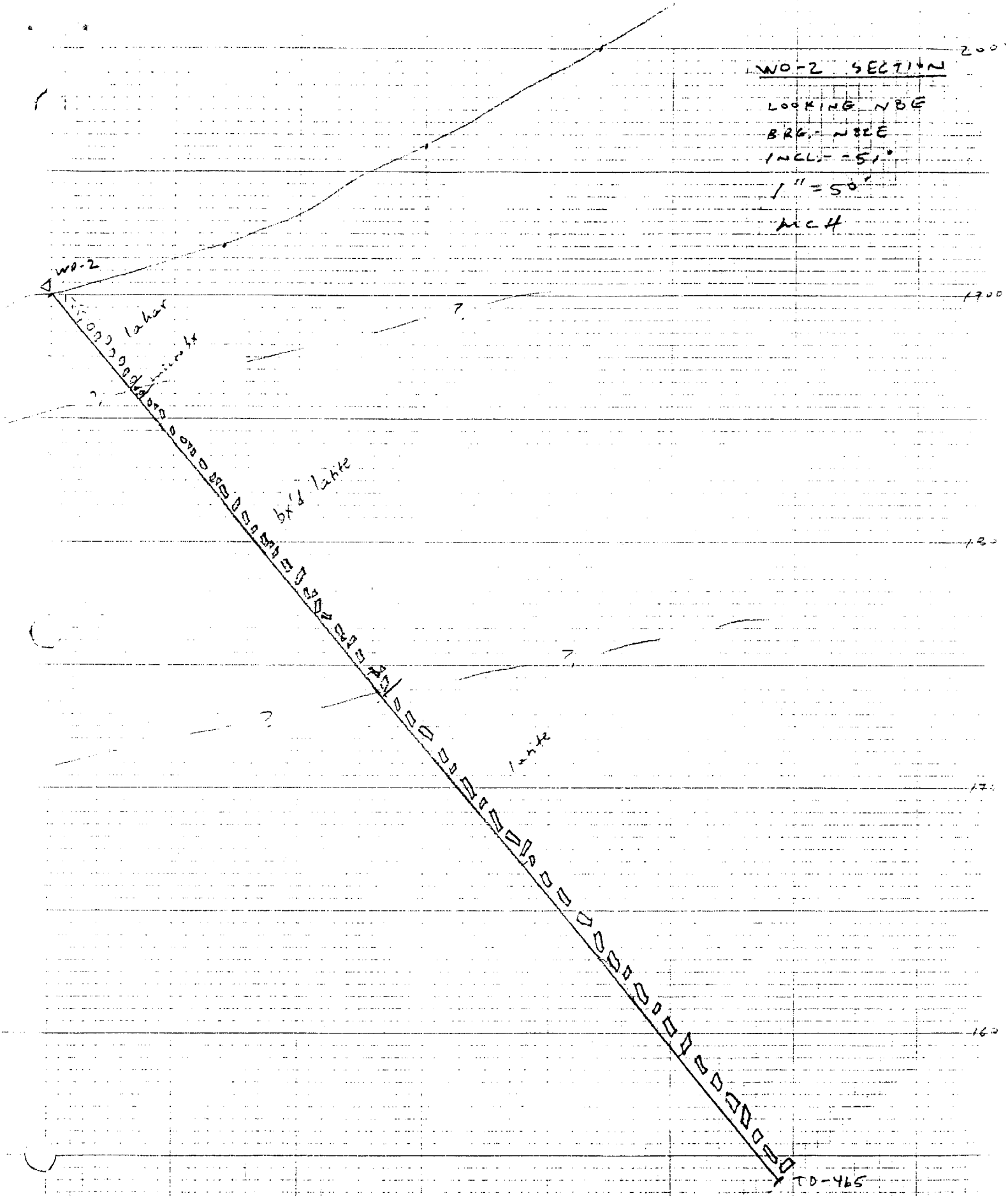
LOOKING N60W

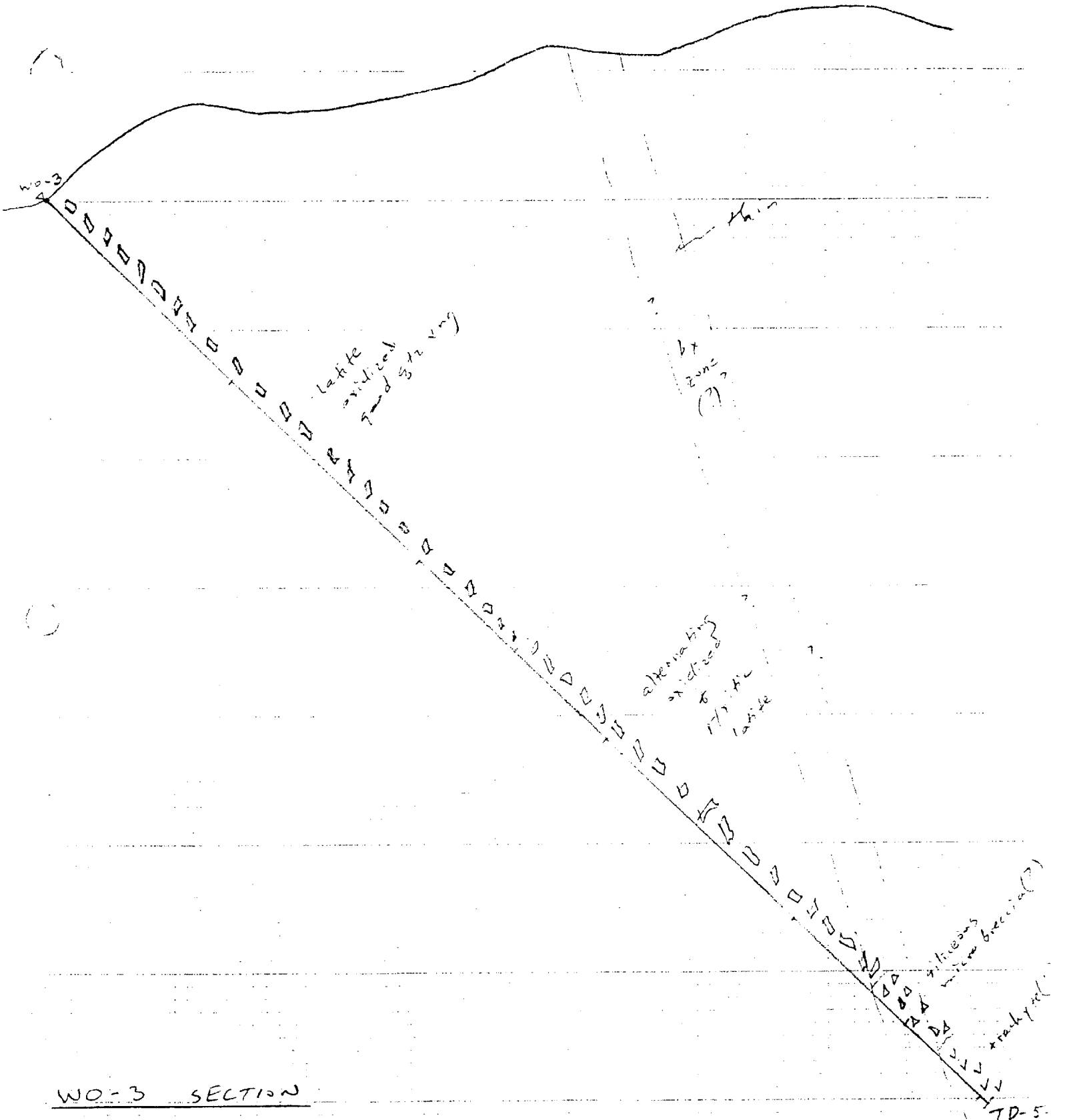
BRG - N30E

INCL - -45°

1" = 50'

MCH


WO-2 SECTION
LOOKING NBE
BRG. - NBE
INCL. - 51°
1" = 50'
MCH
WO-2
lahar
bx'd latite
latite
TD-465
200
1700
180
170
160



WO-3 SECTION

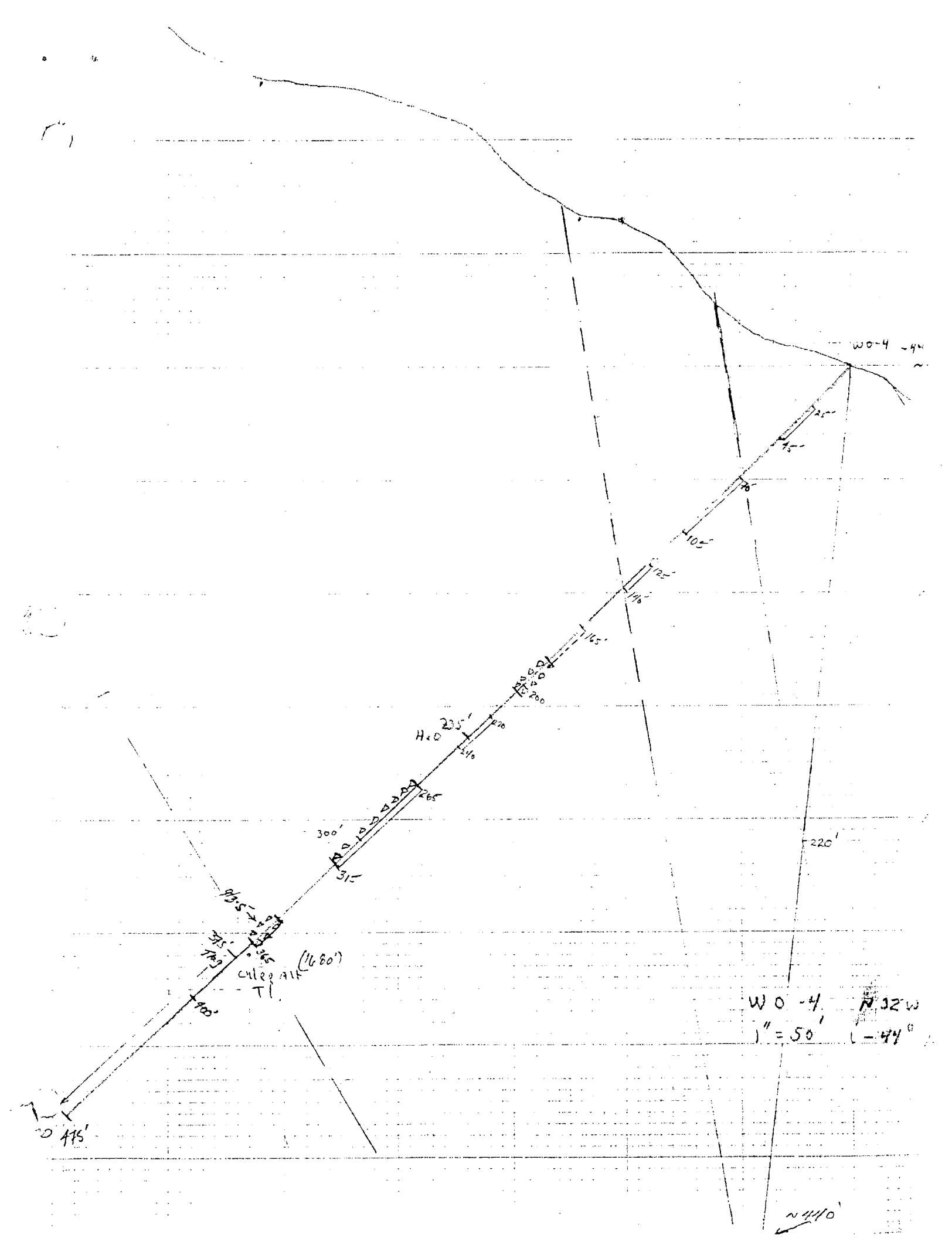
LOOKING N 45E

BRG S 55E

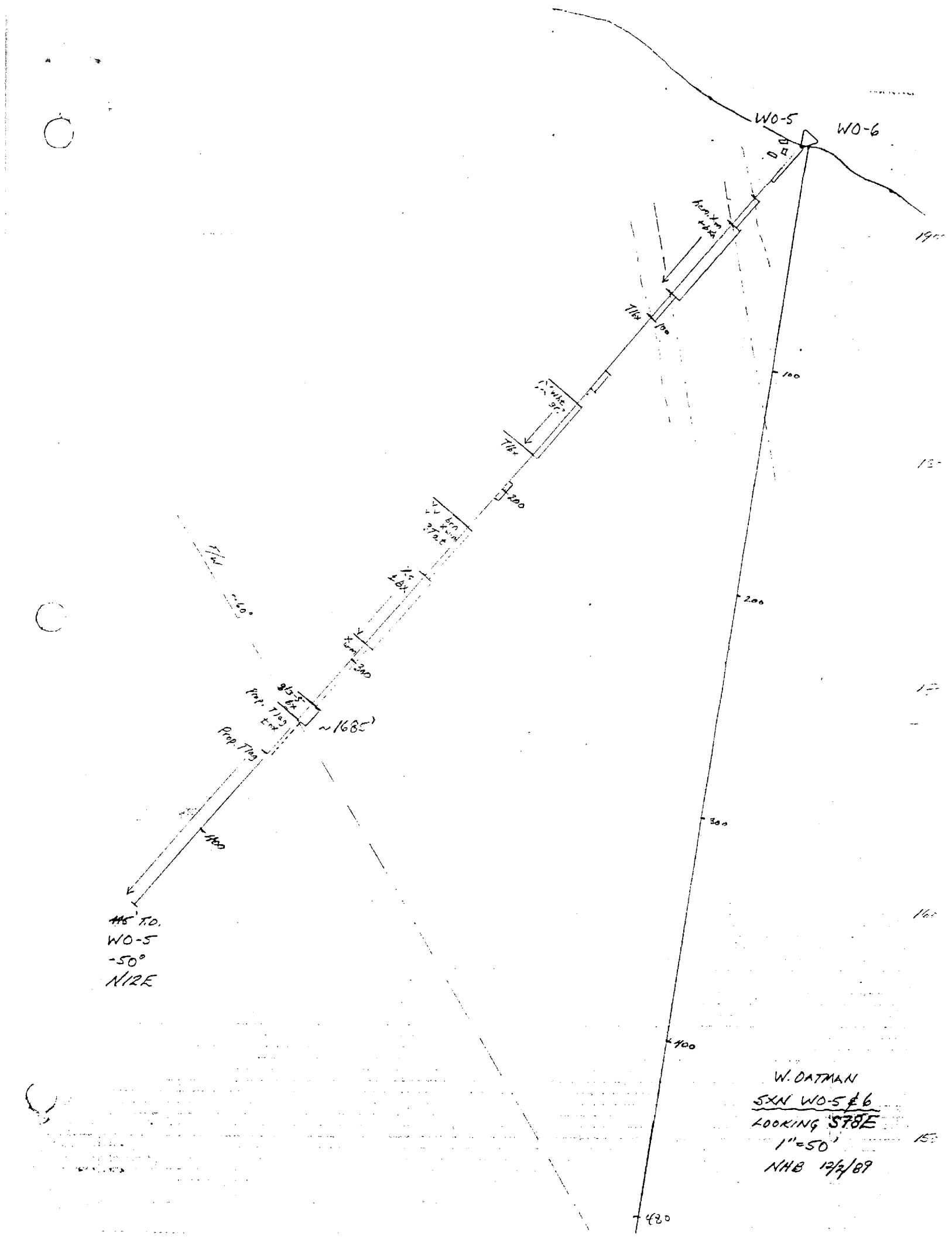
INCL -45°

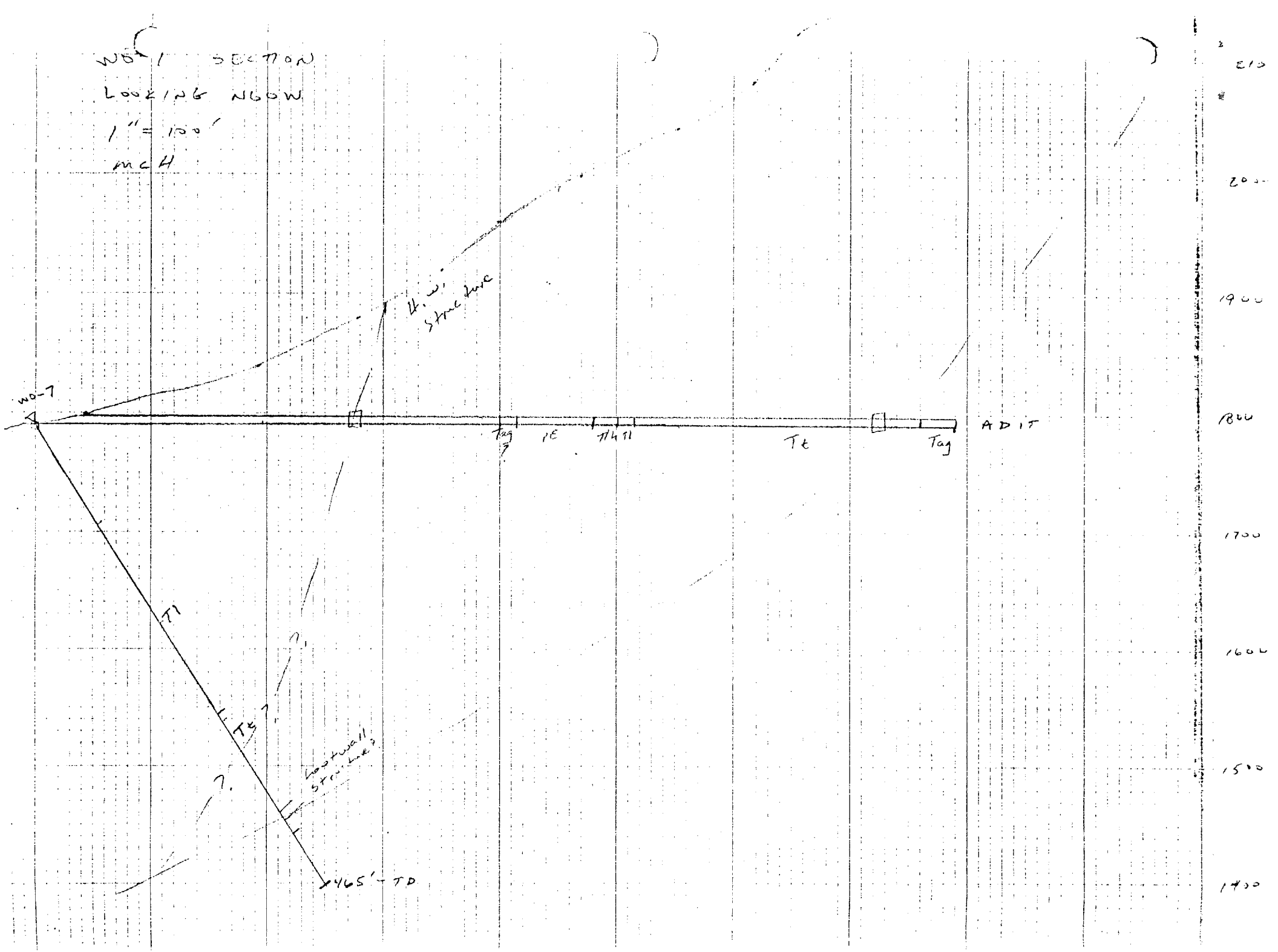
1" = 50'

mcH



WO-4
25'
45'
70'
105'
125'
140'
165'
200
220
235'
240
265
300'
315
365
(1680')
400'
475'
220'
WO-4
1" = 50'
~440'


WO-5
WO-6
100
200
300
400
480
~1685'
Prop. Tlag
T.D.
WO-5
-50°
N12E
W. OATMAN
SXN WO-5 & 6
LOOKING S78E
1"=50'
NHB 12/2/89


WO-1 SECTION
LOOKING NGOW
1" = 100'
MCH
H.W. structure
WO-7
Tag
PE
Tt
Tag
ADIT
T1
Tt
Footwall structure?
465' - TD
2100
2000
1900
1800
1700
1600
1500
1400

COMPASS MINERALS
OATMAN, ARIZONA
≠ WHIPPLE MTNS, CA.

NEVADA GSI
GEOCHEMICAL SERVICES, INC.

GEOCHEMICAL ANALYSIS REPORT

APRIL 5, 1989

West Oatman
Rockchip w
Geochem

Mr. Nate Brewer
LAC Minerals
1475 Greg St.
Sparks, NV. 89431

Number of Samples: 17
Project: 5150-09
GSI Number: 3742
Analysis: Fire Assay for Gold and Silver, with an A.A. finish.

	Sample I.D.		Au o/t	Ag o/t
1	SAMPLE:	C 2521	0.012	0.25
2	SAMPLE:	C 2522	0.015	0.26
3	SAMPLE:	C 2523	0.014	0.20
4	SAMPLE:	C 2524	0.007	<.10
5	SAMPLE:	C 2525	0.005	0.12
6	SAMPLE:	C 2526	0.082	<.10
7	SAMPLE:	C 2527	0.009	0.14
8	SAMPLE:	C 2528	0.009	<.10
9	SAMPLE:	C 2529	0.012	0.28
10	SAMPLE:	C 2530	0.419	1.26
11	SAMPLE:	C 2531	0.012	<.10
12	SAMPLE:	C 2532	0.001	<.10
13	SAMPLE:	C 2533	0.020	0.19
14	SAMPLE:	C 2534	0.002	0.32
15	SAMPLE:	C 2535	0.018	0.11
16	SAMPLE:	C 2536	0.049	0.24
17	SAMPLE:	C 2537	0.056	0.10

This report reviewed and approved by:

Richard A Grondin

Richard Grondin, Operations Manager

1498 Kleppe Lane • Sparks, Nevada 89431 • FAX: 702/359-6605 • 702/359-6600

NEVADA GSI
GEOCHEMICAL SERVICES, INC.

JUN 09 1989

GEOCHEMICAL ANALYSIS REPORT

June 2, 1989

Mr. Nate Brewer
Lac Minerals USA, Inc.
P.O. Box 21390
Reno, NV 89515

Number of Samples: 32
Project: UOAT
GSI Number: 4270
Analysis: Fire Assay for Gold and Silver, with an A.A. finish.

	Sample I.D.	Au o/t	Ag o/t
1	SAMPLE: C 2548	0.003	0.16
2	SAMPLE: C 2549	0.003	<.10
3	SAMPLE: C 2550	0.342	5.37
4	SAMPLE: C 2551	0.011	0.19
5	SAMPLE: C 2552	0.026	0.19
6	SAMPLE: C 2553	0.010	0.39
7	SAMPLE: C 2554	0.002	<.10
8	SAMPLE: C 2555	0.083	0.27
9	SAMPLE: C 2556	0.071	0.15
10	SAMPLE: C 2557	0.039	0.16
11	SAMPLE: C 2558	0.085	<.10
12	SAMPLE: C 2559	0.001	<.10
13	SAMPLE: C 2560	0.001	<.10
14	SAMPLE: C 2561	<.001	<.10
15	SAMPLE: C 2562	<.001	<.10
16	SAMPLE: C 2563	0.020	0.26
17	SAMPLE: C 2564	0.014	<.10
18	SAMPLE: C 2565	0.021	0.24
19	SAMPLE: C 2566	0.022	0.15
20	SAMPLE: C 2567	0.001	0.10
21	SAMPLE: C 2568	0.011	<.10
22	SAMPLE: C 2569	0.002	0.17
23	SAMPLE: C 2570	0.002	<.10
24	SAMPLE: C 2571	0.009	0.10
25	SAMPLE: C 2572	0.001	<.10
26	SAMPLE: C 2573	0.001	<.10
27	SAMPLE: C 2574	0.005	<.10
28	SAMPLE: C 2575	0.011	0.30
29	SAMPLE: C 2701	0.003	<.10
30	SAMPLE: C 2702	0.009	0.18
31	SAMPLE: C 2703	0.085	<.10
32	SAMPLE: C 2704	0.013	0.25

This report reviewed and approved by:

Richard Grondin, Operations Manager

1498 Kleppe Lane • Sparks, Nevada 89431 • FAX: 702/359-6605 • 702/359-6600

NEVADA GSI
GEOCHEMICAL SERVICES, INC.

JUN 26 1989

GEOCHEMICAL ANALYSIS REPORT

June 19, 1989

LAC Minerals USA, Inc.
1475 Greg St.
Sparks, NV 89431

Number of Samples: 45
GSI Number: 4470
Analysis: Fire Assay for Gold and Silver, with an A.A. finish.

	Sample I.D.	Au ppm	Ag ppm
1	SAMPLE: C 2576	0.171	<3.4
2	SAMPLE: C 2577	0.034	4.1
3	SAMPLE: C 2578	<.034	5.5
4	SAMPLE: C 2579	0.034	4.1
5	SAMPLE: C 2580	<.034	<3.4
6	SAMPLE: C 2581	0.034	8.2
7	SAMPLE: C 2582	<.034	<3.4
8	SAMPLE: C 2583	<.034	5.1
9	SAMPLE: C 2584	<.034	9.9
10	SAMPLE: C 2585	<.034	13.4
11	SAMPLE: C 2599	0.137	<3.4
12	SAMPLE: C 2600	0.583	<3.4
13	SAMPLE: C 2601	0.069	<3.4
14	SAMPLE: C 2602	0.309	<3.4
15	SAMPLE: C 2603	0.069	<3.4
16	SAMPLE: C 2604	0.171	3.8
17	SAMPLE: C 2605	1.954	<3.4
18	SAMPLE: C 2606	0.069	<3.4
19	SAMPLE: C 2607	10.971	27.4
20	SAMPLE: C 2608	0.206	<3.4
21	SAMPLE: C 2609	0.377	<3.4
22	SAMPLE: C 2610	0.274	<3.4
23	SAMPLE: C 2737	0.171	<3.4
24	SAMPLE: C 2738	0.034	<3.4
25	SAMPLE: C 2739	1.474	3.8
26	SAMPLE: C 2740	0.411	<3.4
27	SAMPLE: C 2741	2.606	83.7
28	SAMPLE: C 2742	0.240	<3.4
29	SAMPLE: C 2743	<.034	<3.4
30	SAMPLE: C 2744	<.034	<3.4
31	SAMPLE: C 2745	0.343	<3.4
32	SAMPLE: C 2746	<.034	<3.4
33	SAMPLE: C 2747	<.034	<3.4

	Sample I.D.	Au ppm	Ag ppm
34	SAMPLE: C 2748	0.340	<3.4
35	SAMPLE: C 2749	<.034	<3.4
36	SAMPLE: C 2750	<.034	10.3
37	SAMPLE: C 2751	<.034	9.6
38	SAMPLE: C 2752	<.034	<3.4
39	SAMPLE: C 2753	<.034	<3.4
40	SAMPLE: C 2754	<.034	<3.4
41	SAMPLE: C 2755	<.034	<3.4
42	SAMPLE: C 2756	1.474	<3.4
43	SAMPLE: C 2757	<.034	<3.4
44	SAMPLE: C 2758	<.034	<3.4
45	SAMPLE: C 2759	0.069	<3.4

This report reviewed and approved by:

Richard A. Grondin

Richard Grondin, Operations Manager

NEVADA GSI
GEOCHEMICAL SERVICES, INC.

JUN 28 1989

GEOCHEMICAL ANALYSIS REPORT

June 14, 1989

Mr. Nate Brewer
Lac Minerals USA, Inc.
1475 Greg St.
Sparks, NV 89431

Number of Samples: 32
Project: UCAT
GSI Number: 4364
Analysis: Fire Assay for Gold and Silver, with an A.A. finish.

	Sample I.D.	Au ppm	Ag ppm
1	SAMPLE: C 2705	0.103	<3.4
2	SAMPLE: C 2706	0.274	<3.4
3	SAMPLE: C 2707	0.171	<3.4
4	SAMPLE: C 2708	3.086	4.8
5	SAMPLE: C 2709	0.206	<3.4
6	SAMPLE: C 2710	0.034	<3.4
7	SAMPLE: C 2711	0.069	<3.4
8	SAMPLE: C 2712	0.034	<3.4
9	SAMPLE: C 2713	0.034	<3.4
10	SAMPLE: C 2714	<.034	6.5
11	SAMPLE: C 2715	0.103	5.8
12	SAMPLE: C 2716	0.034	8.2
13	SAMPLE: C 2717	0.034	15.8
14	SAMPLE: C 2718	<.034	7.1
15	SAMPLE: C 2719	0.103	4.8
16	SAMPLE: C 2720	<.034	5.8
17	SAMPLE: C 2721	<.034	<3.4
18	SAMPLE: C 2722	<.034	3.4
19	SAMPLE: C 2723	<.034	<3.4
20	SAMPLE: C 2724	<.034	<3.4
21	SAMPLE: C 2725	10.08	10.9
22	SAMPLE: C 2726	0.137	<3.4
23	SAMPLE: C 2727	0.24	<3.4
24	SAMPLE: C 2728	1.097	<3.4
25	SAMPLE: C 2729	0.206	<3.4
26	SAMPLE: C 2730	0.411	3.4
27	SAMPLE: C 2731	0.926	7.5
28	SAMPLE: C 2732	0.034	<3.4
29	SAMPLE: C 2733	0.034	<3.4
30	SAMPLE: C 2734	0.034	10.3
31	SAMPLE: C 2735	0.034	<3.4
32	SAMPLE: C 2736	0.034	<3.4

This report reviewed and approved by:

Richard A. Grondin

Richard Grondin, Operations Manager

LAC MINERALS U.S.A. (INC.)

PROJECT Catman C 04400
SAMPLER M H Bailey
STATE ____ COUNTY ____ DATE 11/4/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION williams property

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
(SELECT) (REP./HIGH-GRADE) COMPOSITE DUMP WORKING

SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. ____ SIZE ____

REMARKS: [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
very weak [illegible]
[illegible]
[illegible]
[illegible]

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Catman C 04401
SAMPLER M H Bailey
STATE ____ COUNTY ____ DATE 11/6/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION williams property

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING

SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. ____ SIZE ____

REMARKS: [illegible]
[illegible]
[illegible] magnetite [illegible]
Tat [illegible]
[illegible]
[illegible] magnetite / chlorite
[illegible] outcrop up slope
[illegible] 15'

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Catman C 04402
SAMPLER M H Bailey
STATE ____ COUNTY ____ DATE 11/6/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION williams property

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
(SELECT) (REP./HIGH-GRADE) COMPOSITE DUMP WORKING

SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. ____ SIZE ____

REMARKS: Select sample of 3 veins
across Ridge saddle / [illegible]
[illegible]
[illegible]
[illegible] Tat [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
PF [illegible]

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Catman C 04403
SAMPLER M H Bailey
STATE ____ COUNTY ____ DATE 11/6/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION Williams property

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
(SELECT) (REP./HIGH-GRADE) COMPOSITE DUMP (WORKING)

SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. ____ SIZE ____

REMARKS: Shaft & [illegible] calcite
vein N35-40W 75° NE [illegible]
[illegible]
[illegible]
Tat [illegible]
[illegible] Tat

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Catman C 04404
SAMPLER M H Bailey
STATE AZ COUNTY ____ DATE 11/6/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION william Property

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
(SELECT) (REP./HIGH-GRADE) COMPOSITE DUMP (WORKING)

SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 4' SIZE ____

REMARKS: [illegible] E-W [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Catman C 04405
SAMPLER M H Bailey (Cale)
STATE Az COUNTY ____ DATE 11/6/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION williams Property S extension
of calcite vn zone

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING

SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 20' SIZE ____

REMARKS: South [illegible] of main
calcite vn zone [illegible]
15-67° [illegible]
[illegible]
[illegible] Trachyte
[illegible] structural [illegible]

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT West Catman C 04406
SAMPLER M.H. Bailey
STATE ____ COUNTY ____ DATE 11/30/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION FMC claim East of west
Cat Claim Block

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) (COMPOSITE) DUMP WORKING

SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 15' SIZE ____

REMARKS: Stockwork qtz calcite veining
[illegible] 25' area [illegible]
Tlbx excellent structural prep
[illegible] qtz vn E-W 25' N
stockwork N60W to E-W
[illegible] N-S to N3W

Look Alike structural zone to
West Cat [illegible]

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT W Catman C 04407
SAMPLER M H Bailey
STATE ____ COUNTY ____ DATE 11/30/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION FMC claim block E of west

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING

SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 20' SIZE ____

REMARKS: Sheeted calcite bx zone
N-S to N5W 70-74° NE
calcite vns & bx [illegible]
Trachyte very good structure
zone [illegible]

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT W. OATMAN C 04408
SAMPLER M.H Bailey
STATE ____ COUNTY ____ DATE 12/1/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION Fmc claim E of W oat block.

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. ____ SIZE ____
REMARKS: Tlbx Crest of drainage. N-S to NSW calcite qtz veins bleached zone dip 70-75° wt flop A/4 - 1st to Fm (in) stained at inset along A-A' wall Viewed

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT W. OATMAN C 04409
SAMPLER M.H Bailey
STATE ____ COUNTY ____ DATE 12/1/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION East of W oat. Fmc claims

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. ____ SIZE ____
REMARKS: Trachyte. Viewed N-S & E-W qtz vns well fract dipping qtz vns Tlim stained ~~with~~ silicified) float sample from ~40' north while this qtz in trachyte

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT W. OATMAN C 04410
SAMPLER M.H.B NTB
STATE ____ COUNTY ____ DATE 12/1/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION East of W. OAT. Fmc clm

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. ____ SIZE ____
REMARKS: Calcite Breccia Brecciated Trachyte. floating in calcite Tlim d mixed MnO ca block Strike N-S to NW 70 to 76° NE qtz afin calcite chats of Tat. contam qtz stringers to base of vein UBx zone ~25 wide from drainage to west. qtz stringers subparallel cut into footwall

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT W. OATMAN C 04411
SAMPLER M.H.B
STATE ____ COUNTY ____ DATE 12/1/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION East of claim block

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. ____ SIZE ____
REMARKS: Brecciated & Veined Tlbx flat & steep qtz vns E-W N-S flat N-S vn 4-6" SW sample east side of drainage Tlim qtz Mg, Mn cmt Tlbx

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT W OATMAN C 04412
SAMPLER M.H Bailey (MHB)
STATE ____ COUNTY ____ DATE 12/6/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION East of claim block Fmc claim block

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 40' SIZE ____
REMARKS: [redacted]

Silicified Tlbx large area hanging wall side of main N-S Calcite Bx vn ~ 100 East Silicified qtz stockwork lim zone coated like a hanging wall silicified at vn W oatman good fract Depth over 40' area

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT W OAT C 04413
SAMPLER NTB
STATE ____ COUNTY ____ DATE 12/1/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION Fmc. claim block Border of W oat claim block

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. ____ SIZE ____
REMARKS: ~200' west of calcite Bx on Ridge lim qtz vn Tat.

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT ____ C 04414
SAMPLER MHB
STATE ____ COUNTY ____ DATE 12/1/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION C of W OAT Footwall structure Fmc claim block

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. ____ SIZE ____
REMARKS: Footwall dike vein qtz like W OAT N-S NW qtz, Viewed silicified Tat in Footwall not well fract hanging wall Tlbx all Veins like W OAT good zone

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT W OATMAN C 04415
SAMPLER MHB MH
STATE ____ COUNTY ____ DATE 12/5/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION unexplored Add N22E 30-35° in main adit W OAT knob

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 5' SIZE ____
REMARKS: Left Rb. 5' sample 30-35° vein host gneiss vein set ~NW vert 25° silicified Tlbx calcite veins Depth unkn a host Tl.

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT W OAtman C 04416
SAMPLER MHB MH
STATE ____ COUNTY ____ DATE 12/6/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION underground 45-55' [redacted] W from portal

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. ____ SIZE ____
REMARKS: Main Injection N70-75W 45°N - @ N55E 60° N (strike). Alt Tl Calcite vein - prop. in weak Argillic Alt chl weak to mod Lim white calc in vein blocky dip with.

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT W OAtman C 04417
SAMPLER MH & MHB
STATE ____ COUNTY ____ DATE 12/5/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION 125-130' in adit

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 5' SIZE ____
REMARKS: Collects VN zone N6W vert oriented over 5' zone. Prop Alt Tl Lim hem N-75W Calcite VNlts From 130-140' lots of calcite VNlts open spaces prop. Alt

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT W OAtman C 04418
SAMPLER MHB MH
STATE ____ COUNTY ____ DATE 12/5/
QUAD ____ T. ____ R. ____ S. ____
LOCATION 150' underground dumb 145-150'

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 5' SIZE ____
REMARKS: Left Rib silicified Argillic Alt Tl? Tr? xtl/rock calcite qtz Vn/vnlts N70-75W open spaces Calcite 70°N. & N-S ± 10° coated with mud have to ID with cleaning. hem flecks.

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT W OAtman C 04419
SAMPLER MHB MH
STATE ____ COUNTY ____ DATE 12/5/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION 700' underground

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 5 SIZE ____
REMARKS: Left Rib prop Alt Tl hem Calcite VNlts hem calcite chl Alt Tl. Calcite VNs N-S & E-W ± 10° dips most N.

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT W OAtman C 04420
SAMPLER MHB MH
STATE ____ COUNTY ____ DATE 12/5/
QUAD ____ T. ____ R. ____ S. ____
LOCATION 250' underground

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 5' SIZE ____
REMARKS: Tl prop Alt chl Clay. Calcite Vein dips 85° other looks like speckled grn with white specs

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT W OAtman C 04421
SAMPLER MHB MH
STATE ____ COUNTY ____ DATE 12/5/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION ~269' in 15' east drift face

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 5 SIZE ____
REMARKS: crosscut vein E-W to NESE 74°S dip 5' wide drift on vein sample E drift 15' to face qtz calcite vein IN Tl prop Alt. E drift NESE wall drift stands out NEEH than bands

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT West OAtman C 04422
SAMPLER MHB & MH
STATE ____ COUNTY ____ DATE 12/5/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION 300' in. adit left R.b

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 5' SIZE ____
REMARKS: Tl prop Alt chl Alt green Tl xtl looks like chips in hole 6 5 minor lim. qtz-hematite vein wall SiO2?

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT West OAtman C 04423
SAMPLER MHB MH
STATE ____ COUNTY ____ DATE 12/5/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION 350' into Adit across left R.b

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 5. SIZE ____
REMARKS: left Rib cut 5' hem Lim hem Alt Tl xtl. qtz calcite stain rock different Vein to get attitudes from second Rib. west side hem Tl? Tr?

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT West DAtman C 04424
SAMPLER MHB / MH
STATE ____ COUNTY ____ DATE 12/5/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION 410' in commt left Rib

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ (HORIZ) W. 5' SIZE ____
REMARKS: Prop Alt Tl or Tlag Possible
Pf clasts difficult to Confirm
due to mod' chl calcite Stng
Alt minor 1' wide limonite
Some Clay Beam on flat floor
at back

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT West DAtman C 04425
SAMPLER MHB MH
STATE ____ COUNTY ____ DATE 12/5/
QUAD ____ T. ____ R. ____ S. ____
LOCATION 412-425 left Rib crosscut

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ (HORIZ) W. 13' SIZE ____
REMARKS: left rib ~12' Dmple along RS
limonite qtz calcite veins
chl Alt dmtd Pf crosscut x-cut
Rt Adjacent fault. N 75W strng dip
N 40° E Some Pinedale ore
Tl footwall Pf gr bearing wall
Pf ~ 412 on to 450' dmple

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT W DAtman C 04426
SAMPLER MHB MH
STATE ____ COUNTY ____ DATE 12/5/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION 450' (underground)

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 5' SIZE ____
REMARKS: Pf gr left Rb chl Alt gdmass
Fg Pf crsct been flshd 30m.
Good exhst veins, fresh hdgn phase
w green chl matrix Pf 1-477
grade into Tlh Pf in green chl
matrix Pf clasts

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

AC MINERALS U.S.A. (INC.)

ROJECT West DAtman C 04427
AMPLER MHB & MH
TATE ____ COUNTY ____ DATE 12/5/89
UAD ____ T. ____ R. ____ S. ____
OCATION 500' underground crosscut

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
AMPLE DIMENSIONS: L. ____ VERT HORIZ W. 10' SIZE ____
EMARKS: Tlh contact with Pf Blck
~477 Pf 412-477
chl Alt green chl grt Tl
Tlh grade into xtm Tl 487-500
more Argillic Alt limonite 500-515
Dark 477-515

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT West DAtman C 04428
SAMPLER MHB MH
STATE ____ COUNTY ____ DATE 12/5/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION 540 to 550' left Rib crosscut

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 10' SIZE ____
REMARKS: Vein at 540 qtz calcite
Cutting Tat here limonite Alt bleaching
Tan contact ~515' start of Tat.
Vn ope N8E 80-85° SW 3-5'
wide calcite qtz Vn zone
Tat

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT West DAtman C 04429
SAMPLER MHB MH
STATE ____ COUNTY ____ DATE 12/5/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION 600' dmple 590-610

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 20' SIZE ____
REMARKS: Tat cut by skeletal Vn zone
N-S to N10E 85°S qtz calcite
Vns calcite zone Argillic Alt Tat.

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT West DAtman C 04430
SAMPLER MHB MH.
STATE ____ COUNTY ____ DATE 12/5/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION 650 dmple 645-655' left Rib

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 10' SIZE ____
REMARKS: Tat west block olive Brn
qtz calcite micro veins, less iron
Pf dmpd py at 655 subsurface
here limonite All

Flat vein at 667'
N 68W 28°S clay limonite 6"

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

C MINERALS U.S.A. (INC.)

JECT West DAtman C 04431
MPLER MHB & MH
TE ____ COUNTY ____ DATE 12/5/89
AD ____ T. ____ R. ____ S. ____
CATION 670 to 685' left Rib crosscut

ANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
LECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
MPLE MENSIONS: L. ____ VERT HORIZ W. 15' SIZE ____
MARKS: left Rib Start of main structural
zone Tat structural fract qtz
Calcite vns Ridden

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT West Oatman C 04433
SAMPLER MHB MH
STATE ____ COUNTY ____ DATE 12/5/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION 701-723' left Rib Crosscut

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 25' SIZE ____
REMARKS: Crosscut at 723' N72°W
Fract qtz vn Tat N60W 45°W
hem lim & qtz calcit vnlts.

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT West Oatman C 04434
SAMPLER MHB MH.
STATE ____ COUNTY ____ DATE 12/5/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION vn 723' Crosscut off of main drift.

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 5' SIZE ____
REMARKS: Crosscut vn 25' N72W.
6' wide Depth a relat VN cut
20' N70°E vert VNV 3-5'
Red Tat (hem)
Depth of Vein zone

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT West Oatman C 04435
SAMPLER MHB MH.
STATE ____ COUNTY ____ DATE 12/5/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION South 730-750 left R.b. main Drift

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 20 SIZE ____
REMARKS: Tat part of Vein System.
Qtz rock Vns E-W & N-S
stockwork fract zone & Silicification

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT West Oatman C 04436
SAMPLER MHB MH
STATE ____ COUNTY ____ DATE 12/5/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION 762-770' left R.b. main Drift

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 8' SIZE ____
REMARKS: Flag to end of drift ~770'
Depth Vein crossing drift
Flag 760 tat vn to 760
Contact Tat & Tfaa ~760'
Flag chl of Alt. Agglomerate.
Footwall unit.

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT West Oatman C 04437
SAMPLER MHB Bailey
STATE ____ COUNTY ____ DATE 12/6/
QUAD ____ T. ____ R. ____ S. ____
LOCATION 96' West on Xcut #1

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 4' SIZE ____
REMARKS: Stockwork vn zone Calcit Vns
N10-15W & E-W 75-80°N dips
Alt Tat Hem Lim Silc

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT West Oatman C 04438
SAMPLER MHB MH
STATE ____ COUNTY ____ DATE 12/5/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION 1000-1020' left R.b. main Drift

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 20 SIZE ____
REMARKS: Tat Part of Vein System
Qtz rock Vns E-W & N-S
stockwork fract zone & Silicification

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT West Oatman C 04439
SAMPLER MHB MH
STATE ____ COUNTY ____ DATE 12/5/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION 1020-1040' left R.b. main Drift

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 20 SIZE ____
REMARKS: Tat Part of Vein System
Qtz rock Vns E-W & N-S
stockwork fract zone & Silicification

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT West Oatman C 04440
SAMPLER MHB MH
STATE ____ COUNTY ____ DATE 12/5/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION 1040-1060' left R.b. main Drift

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 20 SIZE ____
REMARKS: Tat Part of Vein System
Qtz rock Vns E-W & N-S
stockwork fract zone & Silicification

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Sundry C 02521
SAMPLER NHB
STATE Arizona COUNTY Mohave DATE 3/28/89
QUAD Boundary Cone 7.5' T. 19N R. 20W S. 30
LOCATION S. Oatman ①
Compass Submittal

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
(SELECT) (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. 5' VERT HORIZ W. 5' SIZE

REMARKS: Grab - Chip: Sheeted & "stkwk" grey/brown banded qtz veins to several cm. wide in altd latite porph. - from o/c on small sil'd knob next to old shaft.
Should run ± 200-500 ppb? + ppm Ag.

.012

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Sundry C 02522
SAMPLER NHB
STATE Ariz COUNTY Mohave DATE 3/28/89
QUAD Bound. Cone T. 19N R. 20W S. 30
LOCATION S. Oatman ② -
Compass Minerals

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
(SELECT) (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ~5' VERT HORIZ W. ~5' SIZE

REMARKS: Grab-Chip: o/c of sheeted/stkwk dk grey & banded qtz veins in altd latite porph. - spl. from Sil'd knob - best sample site from Compass data:
~.18 opt ?? Au
incl. tr. Cu Dss (?)

.015

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Sundry C 02523
SAMPLER NHB
STATE Ariz COUNTY Mohave DATE 3/28/89
QUAD Oatman 7.5' T. 20N R. 21W S. 24
LOCATION W. Oatman ① - Compass Minerals

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
(SELECT) (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. 10' VERT HORIZ W. 3' SIZE

REMARKS: ± rep. chip across Qtz-CC stkwk funding ± N-S: Old shaft on vein zone to ~ 30'.
Should run ~ 7100 ppb? Au
- Loc. below prom. peak → stkwk zone.

.014

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Sundry C 02524
SAMPLER NHB
STATE Arizona COUNTY Mohave DATE 3/28/89
QUAD Oatman T. 20N R. 21W S. 24
LOCATION W. Oatman ② -
Compass Minerals

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
(SELECT) (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. 20' VERT HORIZ W. 5' SIZE

REMARKS: Grab-Chip: dig in pE (?) granite block w/ "flat" 1-10 cm qtz & CC veins (≤ 30°) cutting irreg. dev. chaotic bx: blocks of pE in lp matrix - all cut by sets of step N-S & E-W veins (qtz ± CC)
- Sampled ~ 20' up face across "flats" w/ druzy qtz in pE Kathrine granite
- Should run ± 700 ppb. (1057)

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Sundry C 02525
SAMPLER NHB
STATE Arizona COUNTY Mohave DATE 3/28/89
QUAD Oatman T. 20N R. 21W S. 24
LOCATION W. Oatman ③ (3a) -
Compass Minerals

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
(SELECT) (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. 10' VERT HORIZ W. _____ SIZE _____

REMARKS: Chip N on legs @ base of cliff - representative ± 10' of chip up & down on face incl strong "Flats" development w/ qtz-cc. veining
- Should run!

.005

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Sundry C 02526
SAMPLER NHB
STATE Arizona COUNTY Mohave DATE 3/28/89
QUAD Oatman T. 20N R. 21W S. 24
LOCATION W. Oatman (3b) -
Compass Minerals

CHANNEL PANEL CHIP OUTCROP (FLOAT) STREAM SOIL
(SELECT) (REP./HIGH-GRADE) COMPOSITE (DUMP) WORKING
SAMPLE DIMENSIONS: L. 10' VERT HORIZ W. 5' SIZE white

REMARKS: Grab - massive qtz & CC material @ base of cliff vic. 2525. Many 2-dby pegm vis purple fluorite here.

(.073)

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Sundry C 02527
SAMPLER NHB
STATE Arizona COUNTY Mohave DATE 3/28/89
QUAD Oatman T. 20N R. 21W S. 24
LOCATION W. Oatman ④ -
Compass Minerals

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. 10' VERT HORIZ W. 3' SIZE

REMARKS: Chip across/up new area at base of upper most cliff - vein sets: "Flats" => N-S ≠ E-W. Appears that vng continues up cliff to top!! New sample area by Mark.
"Flat" Veins: ~ N25E, ± 15-20° NW w/ lots of undulation & variation

.009

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Sundry C 02528
SAMPLER NHB
STATE Arizona COUNTY Mohave DATE 3/28/89
QUAD Oatman T. 20N R. 21W S. 24
LOCATION W. Oatman ⑤ -
Compass Minerals

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. 15' VERT HORIZ W. 5' SIZE

REMARKS: Rep. Chip across E-W veined & ~~altd~~ minzd pE (?) granite on W side knob. Previous samples: 65 => +1000 ppb Au. Area incl strong N-S & E-W qtz-cc veins (± ⊥ to range front) & hem. Less disturbed "flat" stkwk here.

.009

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Sundry C 02529
SAMPLER NHB
STATE Arizona COUNTY Mohave DATE 3/28/89
QUAD Oatman T. 20N R. 21W S. 24
LOCATION W. Oatman (6) - Compass Minerals

CHANNEL PANEL (CHIP) OUTCROP FLOAT STREAM SOIL
SELECT (REP.) HIGH-GRADE) COMPOSITE (DUMP) WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. ____ SIZE ____

REMARKS: Grab - silic'd/bx'd dike material on dump @ shaft in N Bounding E-W felsic dike / 80° dip
- Silica ± calcite flooding ⇒ breccia/stockwork
- Should run ~ 285 ppb

.012

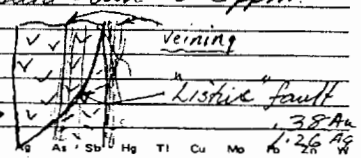
Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Sundry C 02530
SAMPLER NHB
STATE Arizona COUNTY Mohave DATE 3/28/89
QUAD Oatman T. 20N R. 21W S. 24
LOCATION W. Oatman (7) - Compass Minerals

CHANNEL PANEL (CHIP) OUTCROP FLOAT STREAM SOIL
(SELECT) (REP./HIGH-GRADE) COMPOSITE (DUMP) WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. ____ SIZE ____

REMARKS: Grab - mingr from shaft of claims to the N. just below + / opt dig.
- Material incl fox std. veins / grundge in pE gr & Volcs. at contact.
- Vein strike trends ~ NW
- Should run ~ 5 ppm.



.38 Au 1.26 Ag

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Sundry C 02531
SAMPLER NHB
STATE Arizona COUNTY Mohave DATE 3/28/89
QUAD Oatman T. 20N R. 21W S. 24
LOCATION W. Oatman (8) Compass Minerals

CHANNEL PANEL (CHIP) OUTCROP FLOAT STREAM SOIL
SELECT (REP.) HIGH-GRADE) COMPOSITE DUMP (WORKING)
SAMPLE DIMENSIONS: L. 5' VERT HORIZ W. 3' SIZE ____

REMARKS: Chip of altd pE granite in pit cut by S-dipping bx vein in contact w/ Volcs.
- abdt chlor & hem stng in sample
- did not include much actual vein material. Granite only
- Should run ~ 100 ppb.

.012

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Sundry C 0253
SAMPLER NHB
STATE Calif COUNTY San Ber DATE 3/29/8
QUAD ____ T. ____ R. ____ S. ____
LOCATION Gold Hill - WHP-(1) - Compass Whip Claims

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOI
(SELECT) (REP./HIGH-GRADE) COMPOSITE (DUMP) WORKIN
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. ____ SIZE ____

REMARKS: Grab - min'd / stkwk in monz. dike - incl. Cu Ox. - Dike swarm along NW trend // to B.R. lineation. - anom Cu - Pb - Fe - Ba

.001

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Sundry C 02533
SAMPLER NHB
STATE Calif COUNTY San Ben DATE 3/29/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION WHP-(2) - Gold Hill Compass Minerals - WHIP Claims

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
(SELECT) (REP./HIGH-GRADE) COMPOSITE (DUMP) WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. ____ SIZE ____

REMARKS: Grab - dump on minor dyke andesite dike adjacent to 2532; abdt Cu Ox, hem, ? barite & calcite

.020

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Sundry C 02534
SAMPLER NHB
STATE Calif. COUNTY San Ben DATE 3/29/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION WHP - (3) - Gold Hill Compass - Whip Claims

CHANNEL PANEL (CHIP) OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE (DUMP) WORKING
SAMPLE DIMENSIONS: L. 10' VERT HORIZ W. 3' SIZE ____

REMARKS: Chip / grab - exposure Hg of detachment fault - Surface (bx) chloritic bx / mullion structure.
- Sample ugly chloritic silicious bx in monz dike w/ abdt Cu Ox & hem.
- Prob. not very anom.

.002

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Sundry C 02535
SAMPLER NHB
STATE Calif. COUNTY San Ben DATE 3/29/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION WHP-(4) - Gold Hill Compass Min. - Whip Claims

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
(SELECT) (REP./HIGH-GRADE) COMPOSITE (DUMP) WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. ____ SIZE ____

REMARKS: Grab from dump @ shallow shaft down hill from 2534.
- Shaft in veined / altd & bx'd gneiss (photo)
- NE dipping bx & qtz-veins w/ Cu Ox.
? ~ 385 ppb.

.018

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Sundry C 0253
SAMPLER NHB
STATE Calif. COUNTY San Ben DATE 3/29/8
QUAD ____ T. ____ R. ____ S. ____
LOCATION WHP-(5) - Gold Hill Compass - Whip Claims

CHANNEL PANEL (CHIP) OUTCROP FLOAT STREAM SOIL
(SELECT) (REP./HIGH-GRADE) COMPOSITE DUMP (WORKING)
SAMPLE DIMENSIONS: L. 15' VERT HORIZ W. 3'-5' SIZE ____

REMARKS: Chip across ~ 3-5' thick shallow NE dipping bx-vein stwk (stoped) @ Gold Hill Mine.
- Abdt FeOx (hem) & CuOx.
- ± ? 0.1 opt ?

.048

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC-MINERALS U.S.A. (INC.)

PROJECT Sunday C 02537

SAMPLER NHR

STATE Calif. COUNTY San Bern DATE 3/29/89

QUAD _____ T. _____ R. _____ S. _____

LOCATION WHP-(6)-GOLD HILL

Compass - Whip Claims

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL

(SELECT) (REP./HIGH-GRADE) COMPOSITE (DUMP) WORKING

SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. _____ SIZE _____

REMARKS: Grab — dump on decline on ± 30° dipping (NE) 6x-vein strux w/ abdt CuOx & FeOx.

— GOLD HILL MINE AREA.

2 1/2 ppm Au??

— ~~Photo Looking~~

.056

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Dutman C 02548
SAMPLER
STATE ____ COUNTY ____ DATE 5/13/89
QUAD ____ T. ____ R. ____ S. ____
LOCATION W. Dutman

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. 5' VERT HORIZ W. 5' SIZE ____

REMARKS: N70°E qtz vein/struc on S side 150 sh - crop into W Dutman vein is ~6' but W ~ ½ / 1 gang bio in vol. agglom Dist to E - within side ± epiclastic

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT ____ C 02549
SAMPLER
STATE ____ COUNTY ____ DATE / /
QUAD ____ T. ____ R. ____ S. ____
LOCATION

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
(SELECT) (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. ____ SIZE ____

REMARKS: ~2280' - dir is N70E - N70W 10' wide N ½ gang zone of mod. stg "in stg & several narrow qtz veins cutting vole 3-5%/cm
Spl of lcly qtz vein material and sil'd wallrk ± fe-std less sil'd wallrk - no sig. cc present

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT ____ C 02550
SAMPLER
STATE ____ COUNTY ____ DATE / /
QUAD ____ T. ____ R. ____ S. ____
LOCATION

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. ____ SIZE ____

REMARKS: ~2320' - Same apparent struc as 2549 but further E cutting dacite? Sil/plag rock - bxe vein intermittently developed as "light" ± E-W qtz-vein stwk; swarm ave ≤ 1½' w/ variable drusy cavs and WK fe stng in side -

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT ____ C 02551
SAMPLER
STATE ____ COUNTY ____ DATE / /
QUAD ____ T. ____ R. ____ S. ____
LOCATION

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. ____ SIZE ____

REMARKS: ~2340 Dig in sil'd, fe-std shear zone ~N10-30°W/50-55°E containing grey cc rich >> qtz and sheared pyrite sage + sbdt bx. Ex ±W in shear are ± bleached, silic & fe-st lp and granite. Hi/lo is now comp in sil'd dacite "intrusive" forming knob IC green ox in -pl

SPL ~ 2' chip across main shear & contact - N wall.

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT ____ C 02552
SAMPLER
STATE ____ COUNTY ____ DATE / /
QUAD ____ T. ____ R. ____ S. ____
LOCATION

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. ____ SIZE ____

REMARKS: Dig bldr and ~200' NW of 2551 in stwk lim frox zone 6-10' thick ± ½ gang ~ 20° NW but face of cut displays intersxn of stwks > E-W as well → overall bleaching in "lp flow → ½ gang appearance - some drusy qtz on frox ± grn & yellow ox. Rock has wt flow banded appearance dipping ~20° NW

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT ____ C 02553
SAMPLER
STATE ____ COUNTY ____ DATE / /
QUAD ____ T. ____ R. ____ S. ____
LOCATION

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. 5' VERT HORIZ W. 5' SIZE ____

REMARKS: Select chip of sil'd ± veined w/ frox granit ± indistinct "N70W/75°E stwx (sil'd zone) - fair size of granite % ± 5% here - just ~100' off claim bike - no dig.

Veins lgly drusy qtz ± Lim ± hem

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT ____ C 02554
SAMPLER
STATE ____ COUNTY ____ DATE / /
QUAD ____ T. ____ R. ____ S. ____
LOCATION

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. 70' VERT HORIZ W. 10' SIZE ____

REMARKS: Rep. chip of N80°W bleached, fe sil'd ± frax'd ± sil'd stwx (sub-vert w/ N dip). Shocked frox ± minor drusy qtz frax coats over ~ 10' width.
- stwx cuts densely welded lat-lc tuff or "intrusive"?

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT ____ C 02555
SAMPLER
STATE ____ COUNTY ____ DATE / /
QUAD ____ T. ____ R. ____ S. ____
LOCATION

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
(SELECT) (REP./HIGH-GRADE) COMPOSITE (DUMP) WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. ____ SIZE ____

REMARKS: Shallow shaft on N80°W stwx 3-4' wide w/ steep sub-vert S dip. Spl of dense wk'ly hem std siliceous microbx and vuggy calcite > qtz vein material on dump. Not much of this exposed on faces of dig. ??
- Looks good but limited development in fairly dense "f.g." agglom/andes.

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02556

SAMPLER _____

STATE _____ COUNTY _____ DATE 11

QUAD _____ T. _____ R. _____ S. _____

LOCATION _____

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE (DUMP) WORKING

SAMPLE DIMENSIONS L. _____ VERT HORIZ W. _____ SIZE _____

REMARKS 20' trap shr dip on N20W (Sub vert N-S shr w/ mass c.g. cc & 5-10' bx & ptbx > gtz veining. Fine/ brown vuggy locally concentrating bx of mixed f.p & minor bags of gr. Fox relatively minor int. brecc in bags of wall rock
- shr is stacked zone 2 4-5' wide but 1 (1) 6" silic has thickest QC vein (<6").

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02557

SAMPLER _____

STATE _____ COUNTY _____ DATE 11

QUAD _____ T. _____ R. _____ S. _____

LOCATION _____

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING

SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. ~1' SIZE _____

REMARKS: short 15' adit on N60W x tight shr in fp - sampled but not impressed - mostly punky wkly lim std sheared rock from last 10' brown/grey/bluish ox coating - plus few pcs from dump that looked same

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02558

SAMPLER _____

STATE _____ COUNTY _____ DATE 11

QUAD _____ T. _____ R. _____ S. _____

LOCATION _____

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE (DUMP) WORKING

SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. _____ SIZE _____

REMARKS: Main N20W shr/cliff above parking area (~1960')
- 50' ± horiz ~ 30'
- ½ solid ox/shr w/ abdt open spars before milled bags.
- also brecc ca/silic/gtz vng (mainly on dump)
- shr ~ +6' wide here w/ steep south dip (~80°)

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Datman C 02559

SAMPLER _____

STATE _____ COUNTY _____ DATE 11

QUAD _____ T. _____ R. _____ S. _____

LOCATION South Datman

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
(SELECT) (REP./HIGH-GRADE) COMPOSITE DUMP WORKING

SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. _____ SIZE _____

REMARKS: Srch - milky gtz vein to 7' wide in pE gr-gneiss ~ 100' S of Spit in pE zone (v. #5)

- gtz w/ fr-wk hem on fox & clots c.g. musc.

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02560

SAMPLER _____

STATE _____ COUNTY _____ DATE 11

QUAD _____ T. _____ R. _____ S. _____

LOCATION _____

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP (WORKING)

SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. _____ SIZE _____

REMARKS Across ~ 4' sheared & ferric + clay altd gr-gneiss at small shaft sampled across apparent NW trending dom. shear direction - abdt hem. and rock is very crumbly. Shearing ± N40W

VIC # 77

Loc is ~N42W of BM Knob

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02561

SAMPLER _____

STATE _____ COUNTY _____ DATE 11

QUAD _____ T. _____ R. _____ S. _____

LOCATION _____

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING

SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. _____ SIZE _____

REMARKS: ~ 100' SE of 2560 - small 3'x3' o/c of milky gtz cut by wk-mod STNK frax veins & siliceous nbx veins filled w/ dk bm - blk hem ± gtz (red shl). may also contain MnOx

- Sim spl to 2559 but vnd & bx'd

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02562

SAMPLER _____

STATE _____ COUNTY _____ DATE 11

QUAD _____ T. _____ R. _____ S. _____

LOCATION _____

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING

SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. _____ SIZE _____

REMARKS: in gully o/c of sheared ferric altd zones in mussed up contact w/ bleached fp & bedded epiclastics + hem-stained milky gtz at contact.
Sampled 5'x3' area of 50% hem. std gtz & 50% hem std zones.

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02563

SAMPLER _____

STATE _____ COUNTY _____ DATE 11

QUAD _____ T. _____ R. _____ S. _____

LOCATION _____

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKIN-

SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. _____ SIZE _____

REMARKS: BM Knob: 6' chip across thickest most intense gtz vng at NW edge of large cut

These veins predom N8°E & 75° W.

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02564

SAMPLER _____

STATE _____ COUNTY _____ DATE 11

QUAD _____ T. _____ R. _____ S. _____

LOCATION _____

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING

SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. _____ SIZE _____

REMARKS: 8'x4' panel next to shaft where vein(s) intersects but NE component is ~2x

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02565

SAMPLER _____

STATE _____ COUNTY _____ DATE 11

QUAD _____ T. _____ R. _____ S. _____

LOCATION _____

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING

SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. _____ SIZE _____

REMARKS: ~6' chip of lgy vein material across NW set (S dipping) vn. of Mafic h.g spl. veins mainly cm. scale but near top approach 3-4".

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02566

SAMPLER _____

STATE _____ COUNTY _____ DATE 11

QUAD _____ T. _____ R. _____ S. _____

LOCATION _____

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
(SELECT) (REP./HIGH-GRADE) COMPOSITE DUMP WORKING

SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. _____ SIZE _____

REMARKS: Selected NW + other veins along ~20' x 5' of S rib (N dipping) - fr Cu Ox + minor wsd-like silica stkwks on surface of veins (can scale to 3-4")

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02567

SAMPLER _____

STATE _____ COUNTY _____ DATE 11

QUAD _____ T. _____ R. _____ S. _____

LOCATION _____

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING

SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. _____ SIZE _____

REMARKS: epiclastic hung ESE of BM ~ 300' - spld mod-stg lim & hem std & pore vn'd ? sil'd ms. epi. ss w/ ubig. fe ox spotting but this zone more fe std than elsewhere. Dig's are on opposite (SE side) side. - seems to be med sil'd but hard to tell

spl ~ 3-4' x 2-3'

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02568

SAMPLER _____

STATE _____ COUNTY _____ DATE 11

QUAD _____ T. _____ R. _____ S. _____

LOCATION _____

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING

SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. _____ SIZE _____

REMARKS: chip across ~15' of intensely hem ± lim frac-veined & flooded ?epi or lp. - seems e.g. but protolith uncertain due to alt.

This side adj to shaft and in hw to shear NW struc in shaft

- Sample incl few pcs. w/ ±5mm botryoidal goethite veinlets - 5 - brwtks uncertain.

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02569

SAMPLER _____

STATE _____ COUNTY _____ DATE 11

QUAD _____ T. _____ R. _____ S. _____

LOCATION _____

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING

SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. _____ SIZE _____

REMARKS: small pit on SE side of parking area in f.g. green-grey fe wx andesite? - pit & sample in mod-stg. fe std vn sil'd & argillized + minor qtz > calcite vng

Sample across ~6' on NW face of pit. - appears to be low angle E dipping struc here

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02570

SAMPLER _____

STATE _____ COUNTY _____ DATE 11

QUAD _____ T. _____ R. _____ S. _____

LOCATION S. Oatman

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
(SELECT) (REP./HIGH-GRADE) COMPOSITE DUMP WORKING

SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. _____ SIZE _____

REMARKS: Ferric-altd & hem veined pE gr-gn % SW of Oatman Southern Mine - ~~Shaft~~ Shaft near road. - Very pmsy wx & vnd w/ hem fng imprvly N55-60W & more or less ⊥ to contact along NE side

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02571

SAMPLER _____

STATE _____ COUNTY _____ DATE 11

QUAD _____ T. _____ R. _____ S. _____

LOCATION South Oatman

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING

SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. _____ SIZE _____

REMARKS: 8' channel across pronounced hem. std ± sil'd & broken fault zone in pit - N65W/65°N separates pE gr-gn on S side and f.g. greenish and side?) on N - previous tag here "BWM"

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02572

SAMPLER _____

STATE _____ COUNTY _____ DATE 11

QUAD _____ T. _____ R. _____ S. _____

LOCATION _____

CHANNEL PANEL (CHIP) OUTCROP FLOAT STREAM SOIL

SELECT (REP) HIGH-GRADE) COMPOSITE DUMP (WORKING)

SAMPLE DIMENSIONS L. _____ VERT HORIZ W. _____ SIZE _____

REMARKS Small 20' adit into jurassic volc. hand & 6x4" dikelet at adit contact — stopped, across zone in NW adit ~ 15' of vuggy material.

adit bearing N50E

adit zone/contact = N65W

∠ ~ 65°SE

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02573

SAMPLER _____

STATE _____ COUNTY _____ DATE 11

QUAD _____ T. _____ R. _____ S. _____

LOCATION _____

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL

SELECT (REP/HIGH-GRADE) COMPOSITE DUMP WORKING

SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. _____ SIZE _____

REMARKS: ~75' adit bearing N20W

vuggy H/W of E dipping N10-15W fmx w/ abdt hem & lim + local crackle silicified zones chip ~ 6-7' across zone at portal.

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02574

SAMPLER _____

STATE _____ COUNTY _____ DATE 11

QUAD _____ T. _____ R. _____ S. _____

LOCATION South Oatman

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL

(SELECT) (REP/HIGH-GRADE) COMPOSITE (DUMP) WORKING

SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. _____ SIZE _____

REMARKS: Dump grab fm shaft nearest road @ Oatman Southern area - Shaft appears to have accessed mnzd dike contact.

- Sample of best looking stuff on dump ??? — hard siliceous ox hem fault ∥ vuggy hem stng in ? rhyolite dike ~~rock~~.

- sample fm near pile of slag.

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02575

SAMPLER _____

STATE _____ COUNTY _____ DATE 11

QUAD _____ T. _____ R. _____ S. _____

LOCATION S. Oatman - E.M. Knob

CHANNEL PANEL (CHIP) OUTCROP FLOAT STREAM SOIL

SELECT (REP/HIGH-GRADE) COMPOSITE DUMP WORKING

SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. _____ SIZE _____

REMARKS: Chip - select NW & NE veins over 8'x3' area of vein intersxn ~ 20' S ∅ of BM on Knob.

Sample mainly of veins 2cm - 3cm wide. NE veins dominant. Incl minor adit ladike host

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02576

SAMPLER _____

STATE _____ COUNTY _____ DATE 11

QUAD _____ T. _____ R. _____ S. _____

LOCATION /

CHANNEL PANEL (CHIP) OUTCROP FLOAT STREAM SOIL

SELECT (REP/HIGH-GRADE) COMPOSITE DUMP (WORKING)

SAMPLE DIMENSIONS: L. ~5' VERT HORIZ W. 2' SIZE _____

REMARKS: Inclined Shaft (N75°W, 37°) (Spl Tag "ON-7-89") - on white finely bedded/laminated variably chalcedonic silicified tuff. Dig goes down ± 50-75' w/ ladder

Spl from across silic tuff in ± R.b - mnr drusy qtz and ± mnr MnOx stain H/W.

+ calcite + rabbit caliche

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02577

SAMPLER _____

STATE _____ COUNTY _____ DATE 11

QUAD _____ T. _____ R. _____ S. _____

LOCATION _____

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL

SELECT (REP/HIGH-GRADE) COMPOSITE DUMP WORKING

SAMPLE DIMENSIONS: L. ~15' VERT HORIZ W. _____ SIZE _____

REMARKS: Drainage - 1/c

~15' chip across silic w-m lim std shmx w/ veins, patches, brecciated zones - fine to csc drusy qtz - very hard

Site ON-8-89

Shmx same as Mark's spl 2743 ~~2503~~ but ~ 100' SE

Veins N60-65E/ ± 75°N

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02578

SAMPLER _____

STATE _____ COUNTY _____ DATE 11

QUAD _____ T. _____ R. _____ S. _____

LOCATION _____

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL

SELECT (REP/HIGH-GRADE) COMPOSITE DUMP (WORKING)

SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. _____ SIZE _____

REMARKS: Chip across ~ 6' of gaudy c.g. calcite vein w/ small dstg vn H/W — (6x'd calcite-green) calcite stringers extend W. into H/W but main vein ~ 4-6' wide a N10W ~~to~~ to N10E/80°W

(Photo)

No flags here

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02579

SAMPLER _____

STATE _____ COUNTY _____ DATE 11

QUAD _____ T. _____ R. _____ S. _____

LOCATION _____

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL

SELECT (REP/HIGH-GRADE) COMPOSITE DUMP WORKING

SAMPLE DIMENSIONS: L. ~3' VERT HORIZ W. _____ SIZE _____

REMARKS: Same shmx as 2743 but well NW toward main gully — ~~base~~ here ± 3-4' wide, very siliceous ± drusy qtz & purple fluorite, 0/c of Tod Dike immediately E of shmx.

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02580

SAMPLER _____

STATE _____ COUNTY _____ DATE 1/1

QUAD _____ T. _____ R. _____ S. _____

LOCATION _____

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL

SELECT (REP.) HIGH-GRADE) COMPOSITE DUMP WORKING

SAMPLE DIMENSIONS: L. ~2-3' VERT HORIZ W. ~5' SIZE _____

REMARKS 1-3' wide CO_3 ± grey qtz vein in mostly prop Tl along E side gully - Wx of grey qtz ⇒ patchy frox on isolated outcrops minor green 'chlorite' in vein. Crops out ~N75E/70°S for ± 50' but covered to W (driveway) and discontinues at small NW gully to E.

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02581

SAMPLER _____

STATE _____ COUNTY _____ DATE 1/1

QUAD _____ T. _____ R. _____ S. _____

LOCATION _____

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL

SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING

SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. _____ SIZE _____

REMARKS: Resistive brn blk-red wx % of v. silicified ~~sand~~ strong frox std strux? or sili cd? — hard to say. Cut by variable irreg veins/frax zones w/ irreg to ESE drusy qtz, local jarosite and ± hem in cavities and pits ex.? py

Spl across ~15' selective chip (S.4 of "ON-89-")

Frax on N30°E/vert.

Photo

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02582

SAMPLER _____

STATE _____ COUNTY _____ DATE 1/1

QUAD _____ T. _____ R. _____ S. _____

LOCATION _____

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL

SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING

SAMPLE DIMENSIONS: L. 5 VERT HORIZ W. 5 SIZE _____

REMARKS: 0/c - Highly frax - vnd w/ stkwk of lim/± xc cutting highly bleached & sil'd & ang/fract Tl. Few clasts of pC gn in exposure ⇒ Labor!

This s.i.b on strike from 2577 & 78 to ESE east of first prom. andes. dike

Photo

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 0258

SAMPLER _____

STATE _____ COUNTY _____ DATE 1/1

QUAD _____ T. _____ R. _____ S. _____

LOCATION _____

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOI

SELECT (REP.) HIGH-GRADE) COMPOSITE DUMP WORKIN

SAMPLE DIMENSIONS: L. 10' VERT HORIZ W. 3' SIZE _____

REMARKS: S.i.b strux on strike from 2577 at intersxn w/ N15°W/E dipping sd strux may offset dike to E fwd.

mod lim stkwk mino drusy qtz & pbxn in dense xc.

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02584

SAMPLER _____

STATE _____ COUNTY _____ DATE 1/1

QUAD _____ T. _____ R. _____ S. _____

LOCATION _____

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL

SELECT (REP.) HIGH-GRADE) COMPOSITE DUMP WORKING

SAMPLE DIMENSIONS: L. 5 VERT HORIZ W. 5 SIZE _____

REMARKS: Intensely fract'd, lim silic'd & mod sil'd ~~mp~~? along pronounced NNW strux. — spl over ~5x5' area w/ stg lim stkwk & mod MnOx.

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02585

SAMPLER _____

STATE _____ COUNTY _____ DATE 1/1

QUAD _____ T. _____ R. _____ S. _____

LOCATION _____

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL

SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING

SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. _____ SIZE _____

REMARKS: Down stream from 2584 ~20' chip (N-S) across intensely fract'd, bleached & lim std ~~mp~~? in apparent strux intersxn. Main strux trend WNW (N75W)

Sample incl patchy MnOx and minor grey silica veins.

Photo

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02599

SAMPLER _____

STATE _____ COUNTY _____ DATE 6/16/89

QUAD _____ T. _____ R. _____ S. _____

LOCATION W. Dorman

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL

SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING

SAMPLE DIMENSIONS: L. 3' VERT HORIZ W. 1' SIZE _____

REMARKS: Small 0/c @ Marks S.i.b. 2727 — S.i.d, brecciated w/ stkwk drusy qtz in andesite ? dike rock.

Mod Fe stng but host zone green f.g. porph. andesite

Min zone 1-1' wide N75°E ∠ subvert to South

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02600

SAMPLER _____

STATE _____ COUNTY _____ DATE 6/16/8

QUAD _____ T. _____ R. _____ S. _____

LOCATION _____

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL

SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING

SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. _____ SIZE _____

REMARKS: Adj: (west) 0/c ~50' N of 2599 — grugy Tl cut by strong but narrow drusy qtz ± silic ± breccia @ ~N80°W ∠ vert 2-3 ~~one~~ en echelon qtz veins & zones to 6" wide. Massive qtz veins ≤ 1" Overall spl (high graded silic) 2-3' wide X 15' E-W

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02601

SAMPLER _____

STATE _____ COUNTY _____ DATE 6/6/89

QUAD _____ T. _____ R. _____ S. _____

LOCATION W. Oatman

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL

SELECT (REP./HIGH-GRADE) COMPOSITE DUMP (WORKING)

SAMPLE DIMENSIONS: L. 4' VERT HORIZ W. 3' SIZE _____

REMARKS: 6' pit on hem std silt fx shear (N45W steep <90° south) in gully – shear is open space filling; silica veined & oxid Mn? green calcite bearing (agglom?) breccia with multiple II parallels along h/w.

-Spl across ~3' in pit.

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02602

SAMPLER _____

STATE _____ COUNTY _____ DATE / /

QUAD _____ T. _____ R. _____ S. _____

LOCATION W. Oatman

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL

SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING

SAMPLE DIMENSIONS: L. 3' VERT HORIZ W. 1½' SIZE _____

REMARKS: Saddle ~150' E of 2601 – 1-2' wide silic, limy qtz breccia – vein N78°W/70S trending at pit (2601)

-Very hard, silic w/ limy qtz infilling ⇒ pseudobx

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02603

SAMPLER _____

STATE _____ COUNTY _____ DATE / /

QUAD _____ T. _____ R. _____ S. _____

LOCATION Williams

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL

SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING

SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. _____ SIZE _____

REMARKS: Small pit NE side knob 4' chip of wkly qtz vnd hem std. gr ± less bleached & silic vnd volcs (Tiv?)

Frax & vn Fs N15W/85°S

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 0260

SAMPLER _____

STATE _____ COUNTY _____ DATE / /

QUAD _____ T. _____ R. _____ S. _____

LOCATION Williams

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOI

SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKIN

SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. _____ SIZE _____

REMARKS: Pit on silic wkly lim ± vnd. ?dike ?shear ~1-2' wide; N55E/vert trending at top of knob

Minor bx texture & lim pit exc. py

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02605

SAMPLER _____

STATE _____ COUNTY _____ DATE / /

QUAD _____ T. _____ R. _____ S. _____

LOCATION _____

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL

SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING

SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. _____ SIZE _____

REMARKS: Small o/c/s/c w/ ± 3 II limy qtz vns. – Spl selected pcs from each vein.

Vuggy cut grngy gr. % N40W/vert.

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02606

SAMPLER _____

STATE _____ COUNTY _____ DATE / /

QUAD _____ T. _____ R. _____ S. _____

LOCATION Williams

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL

SELECT (REP./HIGH-GRADE) COMPOSITE DUMP (WORKING)

SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. _____ SIZE _____

REMARKS: 6' pit on relatively unimpress epi. seds (N45E/35N) curvy minor steep N45W fax vnlts.

-Sample rep. but area incl some mottled hem. std. seds, tr. qtz vnlts, and seds seem mod. silic.

May be loc of Canterra sit #9 (0.4 opt)?

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02607

SAMPLER _____

STATE _____ COUNTY _____ DATE / /

QUAD _____ T. _____ R. _____ S. _____

LOCATION Williams

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL

SELECT (REP./HIGH-GRADE) COMPOSITE DUMP (WORKING)

SAMPLE DIMENSIONS: L. (15') VERT HORIZ W. (3-4') SIZE _____

REMARKS: 10' pit on shg shear w/ multiple 5-2" silica veins over 3-4' width ± w-m hem stng in sheared grngy TL? or gr.? (sim host to 2605)

Shear is N40W/60°S

Sample ± rep across silic zone from both ends of pit edge

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 0260

SAMPLER _____

STATE _____ COUNTY _____ DATE / /

QUAD _____ T. _____ R. _____ S. _____

LOCATION Williams

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOI

SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKIN

SAMPLE DIMENSIONS: L. 5' VERT HORIZ W. _____ SIZE _____

REMARKS: o/c mod foxed red brn trachyte? – doggy but spl'd for checkpd of Frax.

Frax N15W/75°E

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02609

SAMPLER _____

STATE _____ COUNTY _____ DATE / /

QUAD _____ T. _____ R. _____ S. _____

LOCATION _____

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL

SELECT (REP/HIGH-GRADE) COMPOSITE DUMP WORKING

SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. _____ SIZE _____

REMARKS: small o/c / 2' wide frax-veined w/ drusy qtz (<1/2") and Fox streaks @ ~N65W (steep S. dip).

Sample select of better material over 2' x 4' area.

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT _____ C 02610

SAMPLER _____

STATE _____ COUNTY _____ DATE / /

QUAD _____ T. _____ R. _____ S. _____

LOCATION _____

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL

SELECT (REP/HIGH-GRADE) COMPOSITE DUMP WORKING

SAMPLE DIMENSIONS: L. ~10' VERT HORIZ W. 1' SIZE _____

REMARKS: low o/c - narrow E-W vein zone ~ 1' wide / steep South - East end covered by trench? fill vic. # 70 & 71?

Vein near <1" drusy qtz & lim cutting lim sed / sil'd? Tl.?

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 02701
SAMPLER M.H. Bailey
STATE Ariz. COUNTY Mohave DATE 5/13/89
QUAD Oatman T. 20N R. 21W S. 23
LOCATION West of Oatman. West of B&R fault and site # 5

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) (COMPOSITE) DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 5' SIZE ____
REMARKS: Sample of qtz vein cutting trachyte and latite with precambrian basement and clasts vein vuggy Trend N60W @ N-S silicified and Argillic altered gtz stockwork bounded alt other alt mineral include ctd cp & hem. trachyte is silicified, latite fractured to tufa beam. Rhyolite locally bleached

Assay For: (Au) (Ag) As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 02702
SAMPLER Mark Bailey
STATE AZ COUNTY Mohave DATE 5/14/89
QUAD Oatman T. 20N R. 21W S. 24
LOCATION west oatman map site # 10

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) (COMPOSITE) DUMP WORKING
SAMPLE DIMENSIONS: L. 5 feet VERT HORIZ W. 2' SIZE ____
REMARKS:
Sheeted qtz vnlts cutting trachyte flow. vuggy qtz vnlts over 3 to 10 feet wide Trend N30W 25° variable I 5° hem - lim Flooded stained - lithic flow banded trachyte Trachyte lies below latite (Tag)

Assay For: (Au) (Ag) As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 02703
SAMPLER Mark Bailey
STATE AZ COUNTY Mohave DATE 5/14/89
QUAD ____ T. 20N R. 21W S. 24
LOCATION west oatman map site # 11

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) (COMPOSITE) DUMP WORKING
SAMPLE DIMENSIONS: L. 20' VERT HORIZ W. ____ SIZE ____
REMARKS: Vein zone, qtz vein over 20' zone N60-75W 45°N & 70N. open vuggy qtz vns 4" to 5' ave zone 20' across Vns cut Tag (latite) underlying Tt (trachyte good density of vnlts. heat in prop alt & locally silicified adjacent to vns

Assay For: (Au) (Ag) As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 0270
SAMPLER Mark H. Bailey
STATE AZ COUNTY Mohave DATE 5/14/89
QUAD Oatman T. 20N R. 21W S. 24
LOCATION West oatman map location # 12

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. 3' VERT HORIZ W. ____ SIZE ____
REMARKS: E-W trending dike Dacite dike to mineralized area Sample from east where dike cuts hill Top not as fractured as at base area still has white qtz vnlts & is silicified Sample of silicified & veined dike 3'

Assay For: (Au) (Ag) As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 02705
SAMPLER M.H. Bailey
STATE Ariz. COUNTY Mohave DATE 5/15/89
QUAD Oatman T. 20N R. 21W S. 24
LOCATION west Oatman map location # 13

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 5' SIZE ____
REMARKS: Sample of qtz breccia silicified & brecciated latite B&R N-S Fault & E-W structure outcrop poor exposure.

Assay For: (Au) (Ag) As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 02706
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 5/15/89
QUAD Oatman T. 20N R. 21W S. 24
LOCATION West Oatman map location # 14

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. 1' VERT HORIZ W. ____ SIZE ____
REMARKS:
Sample of qtz stringers over 1' zone Vns trend N75-85W vert 75° Alt. Tt Lim Argillic over 3-5' zone Flow Banded Trachyte altered around VN Sample of qtz vns.

Assay For: (Au) (Ag) As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 02707
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 5/15/89
QUAD Oatman T. 20N R. 21W S. 24
LOCATION West Oatman. map location # 15

CHANNEL PANEL (CHIP) OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) (COMPOSITE) DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 5' SIZE ____
REMARKS: Sample across VN zone Cutting Trachyte intense Argillic Alt over 20' zone qtz vn 1" - 6" with stringers Locally over 10-15' zone Lim Argillic Alt Vuggy VN. N20W 70-80°N. qtz breccia VN.

Assay For: (Au) (Ag) As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 02708
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 5/16/89
QUAD Oatman T. 20N R. 21W S. 25
LOCATION West Oatman map location # 16

CHANNEL PANEL (CHIP) OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) (COMPOSITE) DUMP WORKING
SAMPLE DIMENSIONS: L. 6' VERT HORIZ W. 5' SIZE ____
REMARKS: qtz vn zone vns N75E to E-W vert to 80° vuggy qtz lim stain Alt. latite Autobreccia flow strong prop alt entire area with local weak argillic alteration Vein zone over 10' wide

latite Autobreccia Angular and rounded latite clasts in latite matrix Trachytic Alteration

Assay For: (Au) (Ag) As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Catman C 02709
SAMPLER M H Bailey
STATE AZ COUNTY Mohave DATE 5/21/89
QUAD Catman T. 20N R. 21W S. 25
LOCATION West Catman [redacted] Field map Location # 17

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. 3' SIZE _____
REMARKS: Argillic Alt halo around qtz vn vn N45E 60°N, 1-3' vn zone 1-5 ft 50' halo also N10W cross vns intersect Tag sample at prospect pit of Alt Tag & vn

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Catman C 02710
SAMPLER M H Bailey
STATE AZ COUNTY Mohave DATE 5/21/89
QUAD _____ T. 20N R. 21W S. 25
LOCATION West Catman Field map # 18

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. 3' SIZE _____
REMARKS: small prospect pit intersection of Lim qtz calcite vn N43E & white banded qtz vn N70W 65°S area of Argillic alt/prop Altered latite flow bx

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Catman C 02711
SAMPLER M. H. Bailey
STATE AZ COUNTY Mohave DATE 5/21/89
QUAD _____ T. 20N R. 21W S. 25
LOCATION West Catman Field map # 20

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. _____ SIZE _____
REMARKS: qtz vein limonite alt argillic halo 20-30' 2 shallow prospect pits veins N65W & N15W vnlt ± 5° latite flowbreccia vuggy qtz veins 4m here along vein.

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Catman C 02712
SAMPLER M H Bailey
STATE AZ COUNTY Mohave DATE 5/21/89
QUAD _____ T. 20N R. 21W S. 25
LOCATION West Catman Pit # 21

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. 4' SIZE _____
REMARKS: Vein dense content Pelan vn footwall latite flowbx in hanging wall, Vein vN65E 55°N Argillic 2m alt into hanging wall 5'

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Catman C 02713
SAMPLER M H Bailey
STATE AZ COUNTY Mohave DATE 5/21/89
QUAD _____ T. 20N R. 21W S. 24
LOCATION West Catman Field map pit. #22

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. 3' SIZE _____
REMARKS: prospect pit qtz calcite vn N65E 65°S cutting basalt/rhyolite vn zone 5' wide calcite with known qtz vein. Second vein N25W vert

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Catman C 0271[illegible]
SAMPLER M H Bailey
STATE AZ COUNTY Mohave DATE 5/21/89
QUAD Catman T. 20N R. 21W S. 24
LOCATION West Catman Pit # 23

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOI
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKIN
SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. 40' SIZE _____
REMARKS: Location "23 Large alt zone vns N20W 65W [illegible] N70E Lim Argillic alteration over large area Alt latite flowbreccia

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Catman C 02715
SAMPLER M H Bailey
STATE AZ COUNTY Mohave DATE 5/21/89
QUAD _____ T. 20N R. 21W S. 24
LOCATION West Catman Pit # 24

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. 10' SIZE _____
REMARKS: strike vn E-W to N70W dip 9 N10W 12° calcite qtz with Lim in vns Alt halo in Trachyte

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Catman C 02716
SAMPLER M H Bailey
STATE AZ COUNTY Mohave DATE 5/22/89
QUAD _____ T. 20N R. 21W S. 24
LOCATION West Catman Field map pit #25

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. 20' SIZE _____
REMARKS: Dense of calcite qtz vns on 2' zone vns E-W 40°N dip 1"-6" with Argillic Alt. T/Pleu [redacted] breccia vn on west end of zone N65E 85°S qtz calcite vn. N-S vein offsets E-W vn 2-5' Dikes & subparallel veins over 25' zone E-W zone

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 02717
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 5/22/89
QUAD _____ T. 20N R. 21W S. 24
LOCATION West Oatman

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. 3' SIZE _____
REMARKS N20W 75-80°N VN DOR Alt 3cm gouge with bleb calcite vn Cutting Chromatted & Sericitized gouge 7/8x Sample from main W trend additional calcite vns toward west. Area need additional Mapping

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 02718
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 5/22/
QUAD Oatman T. 21N R. 21W S. 25
LOCATION West ~~Oatman~~ Oatman site #27

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) (COMPOSITE) DUMP WORKING
SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. 3' SIZE _____
REMARKS: qtz calcite VN cutting PC Rock Tag prospect pit VN N72E 29°N Argillic Lim alt 5-6' Top Alt Tag Cross structure N20W 75°S

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 02719
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 5/22/
QUAD Oatman T. 20N R. 21W S. 25
LOCATION West Oatman

CHANNEL PANEL (CHIP) OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. 15' VERT HORIZ W. 4' SIZE _____
REMARKS: Location #26 VN at 27 hand trench NW opens of wide zone 20-70' fg limonitic silicic 50' qtz calcite vns 1'-18" VN ggg bxd Lim hm blebs vein both dip SW in Tag finds from it 7/8x above

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 0272
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 5/22/
QUAD Oatman T. _____ R. _____ S. 25
LOCATION West Oatman Field map #29

CHANNEL PANEL (CHIP) OUTCROP FLOAT STREAM SC
SELECT (REP./HIGH-GRADE) (COMPOSITE) DUMP WORKI
SAMPLE DIMENSIONS: L. 15' VERT HORIZ W. 5' SIZE _____
REMARKS: Calcite VN & breccia undulates N50-80W 70-80N VN calc Tlbx main Lim mo iden vns at N VN cutting Tag open vein both numerous calc VN & area minor qtz X-Lim

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 02721
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 5/22/
QUAD _____ T. 20N R. 21W S. 25
LOCATION West Oatman Site #30

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. 3' SIZE _____
REMARKS: location 30 Calcite VNS N24W 15 NE 22-85 N Qtz 7/8x fault & DAR fault 30cm mafic structure N24W 65° N movement S 15° dip gouge Calcite VNS & Qtz vein 20' zone

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 02722
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 5/22/89
QUAD Oatman T. 20N R. 21W S. 25
LOCATION West Oatman Field site #31

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
(SELECT) (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. 3' SIZE _____
REMARKS: location 31 VN E-W 80°S qtz Argillic Alt Lim clay qtz gouge Alt zone 10' zone. Two prospect pits on vein VN cuts Tahan and Trachyte

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 02723
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 5/22/89
QUAD Oatman T. 20N R. 21W S. 25
LOCATION West Oatman site # 32

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. 2' SIZE _____
REMARKS: Stockwk qtz vns bleach 50' N75 WtoE-W ±5° & N15W 75°SW Lim hm qtz Alt 7/8x Argillic zone 50' dia Large Alt zone Stockwork

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 0272
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 5/22/
QUAD Oatman T. 20N R. 21W S. 26
LOCATION West Oatman Field map site 3

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SC
SELECT (REP./HIGH-GRADE) (COMPOSITE) DUMP WORKI
SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. 5' SIZE _____
REMARKS: qtz-Calcite Vein N70E 65°N parallels drainage Cuts Tahan at contact with latite Autobreccia Separates unto Tahan is PC tabular granite rich strong propylitic to Argillic Alteration, Small prospect pit on vein Tahan in footwall latite Hw breccia in hangwall Sample across vein & Alt zone

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn

LAC MINERALS U.S.A. (INC.)

PROJECT Calmax C 02725
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 5/23/89
QUAD Calmax T. 20N R. 21W S. 25
LOCATION West Oatman field location #34

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH GRADE) (COMPOSITE) (DUMP) WORKING
SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. 1-2' SIZE _____
REMARKS: Shallow shaft on calcite vein Vein N 65 W @ 75° N 6" to 1' wide. Alt zone 5' wide. Several small prospect pits on vein Sample of Dump & vein Center of Brown calcite, Lim, Argillic Alt Jasite flow bx

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 02726
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 5/23/89
QUAD Oatman T. 20N R. 21W S. 24
LOCATION West Oatman field map location #35

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) (COMPOSITE) (DUMP) WORKING
SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. _____ SIZE _____
REMARKS: Sample of qtz stringers and stockwk cutting pc granite prospect pit Sample of veined pc granite From Dump & outcrop Jasz unit with abundant pc clasts, boulders, Dikes N 65 flow 70-75° N over 8' interval fmp Alt mineral limonite gray (fx) qtz. loose Vuggy/Drusy qtz

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 02727
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 5/23/89
QUAD Oatman T. 20N R. 21W S. 23
LOCATION West Oatman field map location #36

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) (COMPOSITE) DUMP WORKING
SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. 50' SIZE _____
REMARKS: Sheeted qtz, hem, MV zone N70E-80E ±5° Inconsist Sheeted zone 50' across with larger veins on south Det of qtz veins N60W ±5° and Dike N-S fractures producing Stockwk habit silicified outcrop and subcrop on slope Just east of sediment break

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 027-
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 5/2-
QUAD Oatman T. 20N R. 21W S. 24
LOCATION West Oatman location #37 South slope of knob.

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SO
SELECT (REP./HIGH-GRADE) (COMPOSITE) DUMP WORK
SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. 10' SIZE _____
REMARKS: Intersection of qtz-Calcite vei. N40W and N43E creates Bx zone Calcite qtz Bx host in Tlbx Jasite Quartzbreccia Argillic Alt. Lim mixin hem. Intense Stockwk prop Large area of calcite Bx part of many West Oatman Silic/Sil knobs. Entire hill Above site is Silicified Bx Dikes E-W out of vein

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 02729
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 5/23/
QUAD Oatman T. 20N R. 21W S. 24
LOCATION West Oatman map site #38 S slope of knob

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH GRADE) (COMPOSITE) DUMP WORKING
SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. 25' SIZE _____
REMARKS: Major E-W structure zone qtz replacing Calcite veins up to 2' wide with zone of qtz Calcite veinlets & breccias Silic Lim hem Argillic Alt Jasite Flow breccia (Andesite) Vein E-W 45° N dip Also Vein structure N-S to N 10 W Sample 15' across.

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 02730
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 5 by /
QUAD Oatman T. 20N R. 21W S. 25
LOCATION West Oatman field map site #39 old cabin mine pits.

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) (COMPOSITE) DUMP WORKING
SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. 20' SIZE _____
REMARKS: Vn. zone Calcite qtz Vein N50-65E 65-25° N zone 20' across, mafic dikes entire zone Lim, Alt pc granite cut by Calcite Vns & Bx up to 1' vein pc granite rock Jasez flows to SE grading in epiclastic flows. large pc granite Argillic Alt chl Alt epidote also. Flat veins dip west 20° Calcite bx. Limonite chl ep SiO2

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 02731
SAMPLER M.H Bailey
STATE AZ COUNTY Mohave DATE 5/23/89
QUAD _____ T. 20N R. 21W S. 25
LOCATION West Oatman field map site #40

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) (COMPOSITE) DUMP WORKING
SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. _____ SIZE _____
REMARKS: Dump of Calcite qtz vein across zone 20' Vein trend N65-75W dips 65° N. to vert. undulates, calcite veins up to 3' wide prospect pits on vein Vein cuts Jasez unit Composed mainly of pc chlorite Alt granite Katherine gr. chl ep Alt

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 0273
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 5/23/
QUAD Oatman T. 20N R. 20W S. 16
LOCATION South Oatman Field map site #4

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SO
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKIN
SAMPLE DIMENSIONS: L. 40' VERT HORIZ W. 2' SIZE _____
REMARKS: Dump of Calcite qtz veins 3 vn. cutting Tcm (Rhyolite) Dump of Calcite Bx, qtz Hem Vns & Calcit Vein N80W 50° N. Second set of Joint N42W vert. prospect pit on Vn. Calcite Vei N43E structure zone also, Rhy Porph dike Vein undulate N20-70W.

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 02733
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 5/25/
QUAD Oatman T. R. S. 18
LOCATION North Oatman Field locatn # 42

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. VERT HORIZ W. SIZE
REMARKS: From main Dry wash mouth of [illegible] TR at contact with knob of Tm w. with Lm gypsum calc's Alt decreased TR Site #2

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 02734
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 5/25/
QUAD Oatman T. 20N R. 20W S. 18
LOCATION North Oatman Map Site # 43

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. 15' VERT HORIZ W. 3' SIZE
REMARKS: Argillic Alt. TT (Latite) vein zone Trends N42W ±5° Lim. Argillic alteration qtz stringers South side of large Alt area Adjacent to andesite dike (Ta)

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 02735
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 5/25/
QUAD Oatman T. 21S R. 20W S. 18
LOCATION North Oatman Field map site # 44

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. VERT HORIZ W. 10' SIZE
REMARKS: Dhear zone qtz stringers Lim. hem alt wk Argillic Alt latite Flow Chl. ep. clay, part of N Oatman Argillic/phyllic Alt zone sheared crackled / latite

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 02736
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 5/25/
QUAD Oatman T. 20N R. 21W S.
LOCATION North Oatman Field map # 45

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. VERT HORIZ W. 15' SIZE
REMARKS: Calcite qtz vns N80E 35-65°S qtz vn Shear N75W ±10° Argillic Alt Lim. Latite at contact with andesite dike wide zone of Argillic Alt with qtz Calcite stringers Sample composite of both vein types

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 02737
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 5/26/89
QUAD Oat. T. 20N R. 21W S.
LOCATION West Oatman Field map # 46

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. VERT HORIZ W. SIZE
REMARKS: Trachyte contact with Tlbx latite Autobreccia South side east of main knob Well fractured zone Silicified Argillic Alt Stockwork fracture [illegible]

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 02738
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 5/27/89
QUAD Oatman T. 20N R. 21W S. 13
LOCATION North Oatman Field map # 47

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. VERT HORIZ W. 2' SIZE
REMARKS: Calcite Veins cutting Mineralized zone at contact with fg gr Vns from N25W dip 75N to Vert. Vns 6"–2' wide 3-4 Vns over 25' zone Local purple Fluorite & Silic in Veins Vns undulate

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 02739
SAMPLER M.H. Bailey
STATE [illegible] COUNTY Mohave DATE 5/27/89
QUAD Oatman T. 20N R. 21W S. 13
LOCATION North Oatman Field map # 48

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. VERT HORIZ W. 10' SIZE
REMARKS: major N-S calcite qtz Vn vein zone Separate andesite dike and latite & minor trachyte Breccia 15-20' wide range from N-S to N20W dips 60° N or NE Silicified breccia Lim.

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 02741
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 5/27/
QUAD Oatman T. 20N R. 21W S. 13
LOCATION North Oatman Field map # 49

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOI
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKIN
SAMPLE DIMENSIONS: L. VERT HORIZ W. 5' SIZE
REMARKS: qtz vn Calc. trachyte north side of TRP dike VN N50-56W dip 60-84°N wide Argillic Alt zone over 100' wide thin qtz veinlets 60% zone <½" open Vuggy Vein Lim. Some hem. Cross fractures N60E ±10°

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Catman C 02741
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 5/27/89
QUAD _____ T. 20N R. 21W S. 13
LOCATION North Catman location #50

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
SELECT (REP/HIGH GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. 4' SIZE _____
REMARKS: Vn again N50-60W undulates ±10' 4m otherwise 50' each side of vein. Wide zone of argillic hm Attention altered x^n rich trachyte flow part of major N60W elevated zone

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Catman C 02742
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 5/27/89
QUAD _____ T. 20N R. 21W S. 13
LOCATION North Catman Site #51

CHANNEL PANEL CHIP (OUTCROP) FLOAT STREAM SOIL
SELECT (REP/HIGH-GRADE) (COMPOSITE) DUMP WORKING
SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. 3' SIZE _____
REMARKS: Vn N60W 2-3' wide qtz Vn Vuggy Limonite Argillic Alt. Tr Flow banded trachyte cliffs 80°N argillic alt at least 25' each side of vn

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Catman C 02743
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 5/28/89
QUAD Catman T. 20N R. 21W S. 18
LOCATION North Catman Site #52

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
SELECT (REP/HIGH GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. 15' SIZE _____
REMARKS: Vn system qtz Limonite hematite E-W to N70W ±5° wide zone of limonite bleach 50'-100' feet Intense alt areas stockwork fract in hanging wall argillic Alt intense & silicic flow breccia

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Catman C 027
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 5 [illegible]
QUAD Catman T. 20N R. 20W S. 17
LOCATION North Catman Site #53

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SO
SELECT (REP/HIGH-GRADE) (COMPOSITE) (DUMP) WORKI
SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. 3' SIZE _____
REMARKS: Trg Silicified Chy Plug Silica Albodiz prospect pit on vein Vein N52W 7±°S gouge 1'-2' wide MNO Abundant abs Lm Alt 5' each side of vn. Younger silicified Plug

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn

LAC MINERALS U.S.A. (INC.)

PROJECT Catman C 02745
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 5/28/89
QUAD _____ T. 20N R. 21W S. 17
LOCATION North Catman Site #54

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
SELECT (REP/HIGH GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. 8' SIZE _____
REMARKS: Calcite Vn zone 50' wide prospect pits Vn N-S to NNE ±5° 1" to 4' many veins across zone white calcite minor limonite Calc Trmorphyz major N-S Calcite Vein

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Catman C 02746
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 5/28/89
QUAD Catman T. 20N R. 21W S. 18
LOCATION North Catman Site #55

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP/HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. 2' SIZE _____
REMARKS: qtz Vn Ln hem calc Prop. Alt. Tlbx NW E-W ±5° 1-3' wide Silicified Limonite minor calcite lim 10-15' halo around Vein quarlage alt bleach from vein to south

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Catman C 02747
SAMPLER M.H. Bailey
STATE ARIZ COUNTY Mohave DATE 5/31/
QUAD Catman T. 20N R. 21W S. 13
LOCATION Catman North Map location #56

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
SELECT (REP/HIGH GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. 20' VERT HORIZ W. 4' SIZE _____
REMARKS: gray qtz dike Trg fibre cutting Prop Silty altered latite dike is fractured silicified elev. appear qtz veins vuggy dike trends Form a Horst to 50 E structural intersection limited outcrop ~40' Exposed appears cut to E and W other directions

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Catman C 0274
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 5/31/
QUAD _____ T. 20N R. 2 S. 13
LOCATION North Catman Map location #57 prospect pit.

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOI
SELECT (REP/HIGH-GRADE) COMPOSITE DUMP WORKIN
SAMPLE DIMENSIONS: L. _____ VERT HORIZ W. 5' SIZE _____
REMARKS: Intersection of qtz vns & Tr dike N50W & N40E trending to E-W qtz and calcite lm hem argillic lim Alt 50' dia area vns cut prop alt Tr

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 02749
SAMPLER M.H. Bailey
STATE AZ COUNTY Mojave DATE 5/31/89
QUAD Oatman T. 20N R. 20W S. 18
LOCATION N Oatman Mtn # 56

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 2' SIZE ____
REMARKS qtz lim VN trends N60E-E-W variable dip VN 5102 2-3' lim Argillic Alt 10-15' calc prop Alt. Tl left as white breccia lim worthless Alt blm 15' and N/S of vein VN to NE may be offset

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 02750
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 6/1/89
QUAD ____ T. 20N R. 20W S. 18
LOCATION north Oatman Mpsite # 59

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 15' SIZE ____
REMARKS: Sample at intersection of major Calcite VN N35W 81°N and qtz lim VN N80W 80°N sample of VNs & Argillic lim Alt zone Sample consists of VNs & Argillic lim Alt zone consists of VN 3-5' wide lim N 20' zone with Calc Mod fracturing Calcite vein up to 15' wide at best qtz veins trend E-W calcite trend N-S

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 02751
SAMPLER M.H. Bailey
STATE ____ COUNTY Mohave DATE 6/1/89
QUAD ____ T. 20N R. 20W S. 18
LOCATION North Oatman site 60

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 5' SIZE ____
REMARKS: Calcite vein N20W 81°N. Includes VN zone 15-20' wide Some quartz and dark grey specularite in vein Drainage in area Dark mica Hand specimen # 227

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 0275
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 6/1/89
QUAD ____ T. 20N R. 20W S. 18
LOCATION N Oatman location # 61

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. ____ SIZE ____
REMARKS: Lim qtz stx VN zone N35W 40°N VN 1-2' to 20' zone 6' silicified Lim abundant brecciated VN zone veins Argillic Alt blds to pervasive Alt N-W

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 02753
SAMPLER M.H. Bailey
STATE ____ COUNTY ____ DATE 6/1/89
QUAD ____ T. 21N R. 20W S. 18
LOCATION N Oatman Site 62

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 6' SIZE ____
REMARKS: greasy qtz lim VN Im wide zone below Argillic Alt Lim 25-50' wide N40W 65°N zone dips VN 35° to South Soft

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 02754
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 6/1/89
QUAD ____ T. 20N R. 20W S. 18
LOCATION N Oatman Site # 63

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 6' SIZE ____
REMARKS: qtz Lim Argillic VN zone dips 70-80°N 65-75°N Weathered lim Argillic halo to north Longest wall Fractures greasy qtz lim Argillic Alt

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 02755
SAMPLER M.H. Bailey
STATE AZ COUNTY Mohave DATE 6/3/89
QUAD ____ T. 20N R. 21W S. 13
LOCATION Williams property location # 64

CHANNEL PANEL CHIP OUTCROP FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. ____ SIZE ____
REMARKS: qtz VNs over 10' zone cutting Tl VN N60W 85°N. 1"-3" wide qtz VNs Vugs Lim lim Alt 3-5' hdh.

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

LAC MINERALS U.S.A. (INC.)

PROJECT Oatman C 0275
SAMPLER M.H. Bailey
STATE ____ COUNTY Mohave DATE 6/3/
QUAD ____ T. 20N R. 21W S. 13
LOCATION Williams prop. location # 65

CHANNEL PANEL (CHIP) (OUTCROP) FLOAT STREAM SOIL
SELECT (REP./HIGH-GRADE) COMPOSITE DUMP WORKING
SAMPLE DIMENSIONS: L. ____ VERT HORIZ W. 15' SIZE ____
REMARKS: pf & qtz VN strike N70W VNs Lim Argillic Alt pf grade at contact Pod-wall Rotate to west and Tr Pert along white Hbx

Assay For: Au Ag As Sb Hg Tl Cu Mo Pb Zn W

INCOMPLETE SEE ATTACHED

GSI GEOCHEMICAL SERVICES INC.

APR 26 1989

GEOCHEMICAL ANALYSIS REPORT

Compass Properties

TO: Mr. Nate Brewer
LAC Minerals USA, Inc.
1475 Greg St.
Sparks, NV 89431 tel:702/356-8058

==========

Job Number: LOA-9S3742
PROJECT: 6150-09
Digest: 15 gram
Total number of samples: 15

==========

This report has been reviewed and approved by:

Mary Leitch, Quality Assurance Manager Date: 4/24/89

3805 Atherton Road • Rocklin, California 95677 • Tel.: 916/624-9701 FAX: 916/624-8986
1498 Kleppe Lane • Sparks, Nevada 89431 • Tel.: 702/359-6600 FAX: 702/359-6605

GEOCHEMICAL SERVICES INC.

GEOCHEMICAL ANALYSIS REPORT

JOB #: LOA-9S3742

SAMPLE ID	#	Ag ppm	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Pd ppm	Se ppm	Te ppm
C-2521	1	8.67	5.70	.363	4101	<.098	8.53	13.6	2.78	<.491	37.3	<.245	.237	1.67	<.491	<.981	<.491
C-2522	2	6.25	3.77	.493	4267	<.099	5.43	16.6	1.20	<.495	52.8	<.248	.313	1.85	<.495	<.991	<.495
C-2523	3	3.83	21.2	.387	24.5	<.098	5.97	65.3	.664	<.492	7.00	.361	.230	.587	<.492	<.985	.609
C-2524	4	.687	13.3	.213	23.9	.118	4.21	9.60	.644	<.487	49.2	<.243	<.097	5.96	<.487	<.973	<.487
C-2525	5	.782	11.4	.214	20.9	.120	3.11	17.8	.667	<.493	42.8	<.247	<.099	5.44	<.493	<.986	<.493
C-2526	6	2.63	2.41	2.52	4.18	<.099	2.81	31.1	.281	<.493	8.59	<.246	.144	.720	<.493	<.986	<.493
C-2527	7	1.75	11.4	.420	11.2	.234	3.37	12.2	.528	<.491	39.0	<.246	<.098	5.53	<.491	<.982	<.491
C-2528	8	.533	13.8	.345	8.44	.178	3.59	9.11	.622	<.494	58.0	<.247	<.099	6.33	<.494	<.989	<.494
C-2529	9	6.28	5.93	.327	11.9	.131	6.31	8.45	.413	<.49	12.5	<.245	<.098	1.30	<.49	<.98	<.49
C-2530	10	32.1	15.0	15.8	8.61	<.098	6.37	97.5	.916	<.492	82.0	<.246	.259	2.26	<.492	<.984	<.492
C-2531	11	.333	44.4	.089	12.3	.126	3.05	10.7	.919	<.497	94.1	<.248	<.099	10.8	<.497	<.993	<.497
C-2532	12	.594	2.43	.025	9573	<.099	6.31	26.6	.805	<.493	200.	50.2	.324	4.99	<.493	<.986	1.16
C-2535	13	.454	2.24	.658	2593	<.097	32.8	5.65	<.243	<.486	93.6	.795	.099	3.68	<.486	<.973	<.486
C-2536	14	3.56	3.41	2.16	13.2K	.252	8.33	17.9	1.01	<.495	316.	1.54	1.69	10.0	<.495	<.99	3.03
C-2537	15	3.87	14.6	2.39	18.7K	.718	15.1	156.	5.38	1.93	80.6	12.6	.897	3.78	<.492	1.74	9.26

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GSI
GEOCHEMICAL SERVICES INC.

APR 20 1989

GEOCHEMICAL ANALYSIS REPORT

TO: Mr. Nate Brewer
LAC Minerals USA, Inc.
1475 Greg St.
Sparks, NV 89431 tel:702/356-8058

==========

Job Number: HIV-9S3742
PROJECT: 6150-09
Digest: 10 gram
Total number of samples: 2

==========

This report has been reviewed and approved by:

Date: 4/24/89

Mary Leitch, Quality Assurance Manager

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GEOCHEMICAL SERVICES INC.

GEOCHEMICAL ANALYSIS REPORT

JOB #: HIV-9S3742

SAMPLE ID	#	Ag ppm	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Pd ppm	Se ppm	Te ppm
C-2533	1	7.03	23.5	.535	50.4K	<.99	22.9	29.3	<2.47	<4.95	365.	4.70	2.63	11.1	<4.95	<9.90	<4.95
C-2534	2	9.53	21.8	.045	61.3K	<.99	5.58	12.4	<2.47	<4.95	75.0	<2.47	2.65	6.65	<4.95	<9.90	<4.95

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GEOCHEMICAL SERVICES INC.

Q.A. REPORT

Dear Customer:

The samples listed below contained unusually high values for one or more elements and were therefore omitted from the original report. These samples were re-run using a higher dilution factor and are reported in the following report.

1. C-2533	2. C-2534	3. _____
4. _____	5. _____	6. _____
7. _____	8. _____	9. _____
10. _____	11. _____	12. _____

Sincerely yours,

Mary Leitch
Quality Assurance Manager

3805 Atherton Road • Rocklin, California 95677 • 916/624-9701 FAX: 916/624-8986

GEOCHEMICAL SERVICES INC.

GEOCHEMICAL ANALYSIS REPORT

JUN 23 1989

D: Mr. Nate Brewer
LAC Minerals USA, Inc.
1475 Greg St.
Sparks, NV 89431 tel:702/356-8058

==========

Job Number: LOA-9S4470
Digest: 15 gram
Total number of samples: 13

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his report has been reviewed and approved by:

Nancy G. Gonzalez for Date: 6/21/89
ary Leitch, Quality Assurance Manager

3805 Atherton Road • Rocklin, California 95677 • Tel.: 916/624-9701 FAX: 916/624-8986
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GEOCHEMICAL SERVICES INC.

GEOCHEMICAL ANALYSIS REPORT

I #: LOA-9S4470

IPLE ID	#	Ag ppm	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Pd ppm	Se ppm	Te ppm
86	1	.051	1.37	.002	5.47	<.099	3.27	1.84	<.247	<.494	3.09	.309	<.099	.586	<.494	<.987	<.494
87	2	.550	1.55	.009	8.59	<.098	8.91	1.16	<.246	<.492	2.94	.270	<.098	<.492	<.492	<.985	<.492
88	3	.026	<.992	.002	8.79	<.099	3.48	1.27	<.248	<.496	5.31	<.248	<.099	1.53	<.496	<.992	<.496
89	4	14.8	2.07	11.1	3.44	.537	48.6	5.04	<.25	<.499	4.15	2.97	<.1	.854	<.499	1.06	43.8
90	5	.034	1.17	.133	2.68	<.098	7.68	1.64	<.245	<.49	1.08	<.245	<.098	.571	<.49	<.98	<.49
91	6	11.5	3.75	15.8	6.46	.372	111.	6.09	<.249	<.497	6.60	5.36	<.099	1.33	<.497	2.10	63.2
92	7	1.96	1.61	2.30	2.76	.226	13.8	2.26	<.246	<.492	3.01	13.3	<.098	<.492	<.492	<.985	18.8
93	8	15.4	1.71	1.03	48.7	<.099	40.3	1908	<.247	<.493	7.29	15.1	.135	.556	<.493	<.987	25.5
94	9	2.40	<.991	.494	5.79	<.099	10.3	6.56	<.248	<.496	3.46	5.25	<.099	.511	<.496	<.991	13.8
95	10	1.47	<.999	.221	3.34	<.1	9.97	9.79	<.25	<.499	2.66	.969	<.1	<.499	<.499	<.999	3.70
96	11	43.5	1.83	13.1	14.8	1.35	14.5	16.6	<.247	<.494	5.05	5.31	<.099	.565	<.494	1.13	68.7
97	12	.365	<.989	.103	5.38	<.099	10.6	3.14	<.247	<.494	4.23	1.33	<.099	.766	<.494	<.989	.710
98	13	.132	1.42	.051	2.81	<.099	15.1	7.26	<.249	<.497	113.	1.91	.187	1.02	<.497	<.994	.529

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GEOCHEMICAL SERVICES INC.

GEOCHEMICAL ANALYSIS REPORT

TO: Mr. Nate Brewer
LAC Minerals USA, Inc.
1395 Greg St. #107
Sparks, NV 89431 tel:702/356-8058

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Job Number: LOA-9S6058
Digest: 5 gram
Total number of samples: 6

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This report has been reviewed and approved by:

Nancy G. Gonzalez for Date: 12/7/89
Mary Leitch, Quality Assurance Manager

3805 Atherton Road • Rocklin, California 95677 • 916/624-6000 1/800/827-4GSI FAX: 916/624-8986
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GEOCHEMICAL SERVICES INC.

GEOCHEMICAL ANALYSIS REPORT

JOB #: LOA-9S6058

SAMPLE ID	#	Ag ppm	As ppm	Au ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Tl ppm	Zn ppm	Bi ppm	Cd ppm	Ga ppm	Se ppm	Te ppm
C 4001	1	.130	7.64	.017	11.2	<.097	1.74	6.92	.315	<.486	83.2	<.243	<.097	6.87	<.973	<.486
C 4002	2	.936	12.7	.706	8.78	<.095	6.06	20.7	1.10	<.477	40.0	<.239	.173	2.49	<.954	<.477
C 4003	3	4.66	9.07	2.26	20.2	<.098	5.30	30.6	.468	<.492	34.0	<.246	1.02	1.25	<.984	<.492
C 4004	4	2.30	7.18	1.92	23.5	<.092	9.90	36.2	.378	<.46	33.7	<.23	<.092	2.20	<.919	<.46
C 4005	5	.335	4.99	.332	9.68	<.097	2.29	7.33	.354	<.484	37.6	<.242	<.097	2.31	<.969	<.484
C 4400	6	1.16	6.65	1.13	7.10	<.094	4.03	26.8	.455	<.472	39.0	<.236	<.094	2.69	<.943	<.472

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Compass Resources NL
Incorporated in Queensland

FAX NO: (02) 415 2219

FACSIMILE COVER SHEET

DATE: 18 October, 1990

TO: Mike Slater

FROM: Malcolm

PAGES (including this page)

Mike,

Attached are our comments on your proposed CMI RMEI agreement for Oatman.

Please let us have any comments ASAP as we believe this matter should be concluded expeditiously.

All filing fees and documents regarding claims should be RMEI's responsibility during the JV starting with the 1990 BLM filing.

Clause 1.(b) Minimum commitment is required. We suggest a 4 year maximum period with minimum year 1 expenditure of $100,000 gradually escalating so that $475,000 is spent by end year 4

1 C(i) OK

1 C (ii) OK

1 (d) We would expect a 15% operation variation to be acceptable. However if you feel 20% is OK we could accept that other than for minimum commitment in year 1.

1 e (ii) We would consider a possible scenario to include Mike Slater carrying out some work or supervising work as an agent of RMEI or CML contracting on behalf of the joint venture. The operator must be responsible under this scenario and would in normal cases be covered by his normal liability insurance.

It would be acceptable to have the type of indemnification clause requested if CML its employees or agents were not involved in any joint venture programme whether by virtue of being part of that approved programme or budget or during the course of verifying, assessing or obtaining background to input into that or future programmes and budgets.

1 e (iii) As far as we are aware the only reclamation requirements prior to RMEI's involvement would be access to LAC's drill pads and the pads themselves.

We believe the choice is up to RMEI as to whether we have LAC reclaim the current access to the satisfaction of authorities or leave it to become RMEI's responsibility. If RMEI decides the former then it will have to meet the expense of duplication of tracks and pads and this cost should not form part of the interest earning if use of such access is required in year 1 of the project. The rationale behind this is that it should be obvious if RMEI wishes to use the tracks and it is gaining a benefit from earlier J.V. work.

1 (h) Withdrawal from the project shall not limit the minimum [illegible] shall be subject to pro rata

commitments in subsequent years.

1 (i) It is reasonable to expect this agreement to be completed by the end of October. We believe the $20,000 payment should be made within a reasonable extension beyond that point in time and suggest a specific date to encourage expediting this process. Therefore we propose 14 November, 1990 for payment to be made. If not made in that time we should keep our options open. It would be possible to pay the $20,000 into an interest bearing trust account to be released on agreement being signed if there are delays.

In regard to claim verification it is reasonable for CML to confirm to the best of its knowledge that the claims are valid and without lien however it is up to RMEI to carry out what land checks it requires and satisfy itself on all these issues to the detail it believes is necessary.

Clause 2 (a) Presumably this is acceptable to CML and is normal practice. Let us know if its a problem.

Clause 3 We are somewhat confused by different references to joint ventures in the draft agreement and partnership proposal in the subsequent RMEI Law Department memorandum.

As advised if RMEI sees benefit in a tax partnership agreement we believe that it should be additional to the joint venture agreement and CML/CRNL should be indemnified against any negative consequences that result from a tax partnership agreement if any. This is the type of thing we did in EXXON. If RMEI want to discuss this further one of their lawyers should talk to Phil Cohen on the subject.

Notwithstanding RMEI's lawyers advice, we do not like th3e idea of a general partnership, even with limited liabilities, and wish to maintain the relationship as a contract joint venture.

Clause 4 (d) I believe this provision would be breached by the odd map that I have or you have. It needs something like "reasonably requested [illegible]" to prevent it immediately and consistently being

breached.

Clause 6 — Last line after "Reynolds" insert "or a parent company thereof" i.e. covers ORNL's obligations.

Clause 7 (b) — This needs to be related to the revised terms of Clause 1(b) and 1(h).

SCHEDULE 2

Clause 1. Ok

Clause 1.11 — line 1 after "such" insert reasonable".

Clause 2. Ok

Clause 3. Ok

Clause 4.1 — Quarterly meetings preferred.

4.5 We have some problem with the management fee concept and do not believe that it needs to be finalized during the RMEI sole spending period. As an example if an Engineering company was awarded a turnkey contract to design procure and construct the building of a $50 million plant the formula proposed would see a $500,000 windfall profit to RMEI under the capital provisions of the management fee proposed. At least that's our reading of it. Given RMEI were acting in the engineering company role then there would not be a problem.

6.3 We would prefer the first refusal right provision to be 60 days or 90 days and equal or both parties i.e. 60 days or 90 days for the first refusal right then 60 days or 90 days to execute the same deal if the first refusal right was not accepted.

Compass Minerals, Ltd.

Mical N. Slater, President • 5301 Longley Lane, Suite A-1 • Reno, Nevada 89502 • Telephone (702) 825-1135 Telecopy (702) 825-3005

DATE: June 2, 1990

TO: Raymond E. Irwin

FROM: Mical N. Slater

SUBJECT: Monthly Report of Activities--May, 1990

==========

Oatman Prospect, Arizona

CML located 33 RAL claims in the Oatman district under RMEI's name, in accordance with our Exploration Agreement. These claims cover open ground along the Moss zone and are contiguous with, and east of, the existing CML block. Assays from rock chip samples near the eastern side of the RAL block suggest that the high gold values are restricted to the zone mentioned in last month's report. Remnants of an apparent detachment zone were identified near the RAL 8 and 9 D.M.s, located in the southern portion of the RAL block. Assays from rock chip samples of this zone yielded low gold values. Several conclusions can be drawn about the Oatman prospect as follows:

1. We are probably dealing with a detachment structural model.
2. The zone of elevated gold values (target zone) trends East-West.
3. The target zone is at least 2500 feet wide by 7000 feet long.
4. Drilling evaluation should be focused not only in the zone of elevated gold values, but also specifically on the steeper structures (listrics and antithetics).

Several patented claims cover some of the Oatman target area on the eastern side of the RAL block, near the Moss mine. Our attempts to contact the owners of said claims have been unsuccessful to date.

Sacramento (Ibex) Prospect, California

Follow-up mapping and sampling in the Sacramento Mountains, immediately east of Needles, continued to provide encouraging results. A small knob, characterized by quartz stockwork veining and copper oxide mineralization is exposed over an area of 300 feet by 600 feet, elongate in a Northwest direction. Rock chip samples from this knob returned values up to 6.7 ppm Au, with all values exceeding 0.6 ppm Au. This knob is truncated to the west and southwest by a detachment fault. It passes under valley fill to the east and southeast. Farther to the south, beyond the alluvial cover, are prospects which yielded gold values up to 5.5 ppm.

We are not yet confident of the structural setting of this knob. I feel it is a listric fault, rooted into the detachment zone.

Gold Hill Prospect, California

Phelps Dodge has recently relinquished their lease at Gold Hill prospect. CML controls 156 claims at Gold Hill, where an excellent drill target has been defined. The target is a quartz-sericite rich zone, with dimensions of 100 feet wide and +3000 feet long. The zone is strongly anomalous in gold (up to one opt) along the eastern one-half of the exposure. The zone dips about 30 degrees to the North and is either the detachment fault itself or the lower portion of a listric normal fault. The paucity of exposures makes an accurate determination impossible.

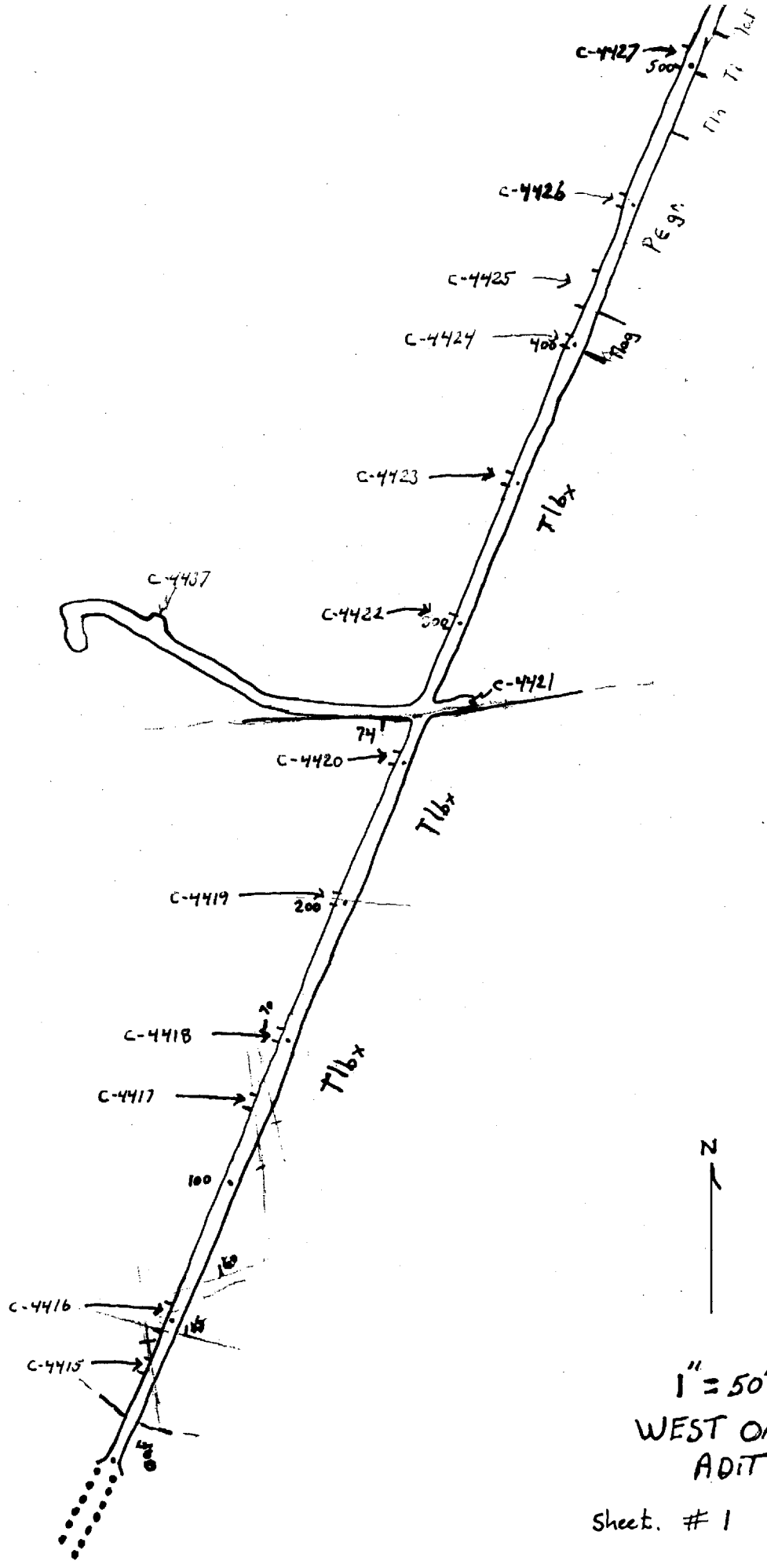
RMEI has been invited to examine Gold Hill to determine their level of interest. We anticipate a surface tour on, or about, June 5.

Future Plans

Our efforts in June will continue to focus in the Mohave area with the objective of bringing our identified prospects to the final recommendation stage. You and I are scheduled to visit all of these prospects during the week of June 4.

Anticipated expenditures for June are $10,000.00.

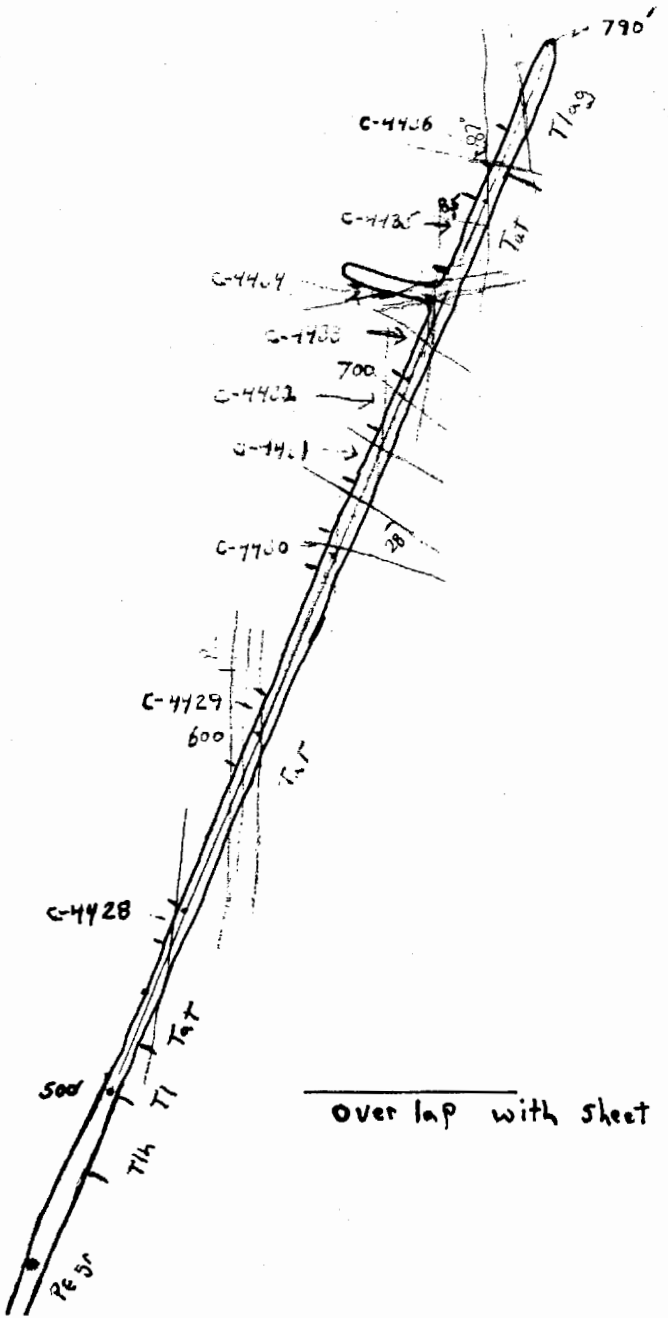
cc: Malcolm Humphreys



1" = 50'

WEST OATMAN.
ADIT

Sheet. # 1



N

over lap with sheet #1

west oatman Adit

Sheet #2

1,500,000N

LAC Geology Map

EXPLANATION

INTRUSIVE ROCKS

Trp Rhyolite porphyry dikes; buff to greenish quartz eye porphyry dikes; phenocrysts of quartz and K-feldspar in aphanitic marix; locally bleached light gray to buff white and silicified.

Trq Rhyolite dikes and plugs; light gray, resistant, highly siliceous dikes and plugs; aphanitic, commonly fractured, exhibiting open quartz veinlets and pervasive silicification.

Ta Andesite dikes; dark gray-greenish gray, fine to medium grained chlorite altered dikes; phenocrysts of white feldspars, biotite and pyroxene.

Tm Moss Porphyry; light gray to pinkish gray granodiorite to quartz monzonite; porphyritic texture common; phenocrysts of plagioclase in a fine grained groundmass os orthoclase with quartz and biotite; more equigranular along margin (chilled).

Ts Syenite dike; probable compositional variant of Moss magma; (nepheline syenite?).

UPPER VOLCANICS

Ta Andesite; dark gray to purplish gray andesite flow(s); plagioclase phenocrysts in aphanitic groundmass; fresh to very weak propylitic alteration; horizontal flow(s) with common columnar jointing overlying trachyte (Tt) suggesting possible member of middle or upper volcanics of Oatman District.

LOWER VOLCANICS (ALCYONE FORMATION)

Tt Trachyte; dark gray, reddish brown to lavender gray color; separate flows not differentiated in the field but include flow banded vitrophyric flows and massive crystalline flows with phenocrysts of plagioclase, biotite and occassionally pyroxene in aphanitic groundmass; host to narrow, tight quartz±calcite vein structures.

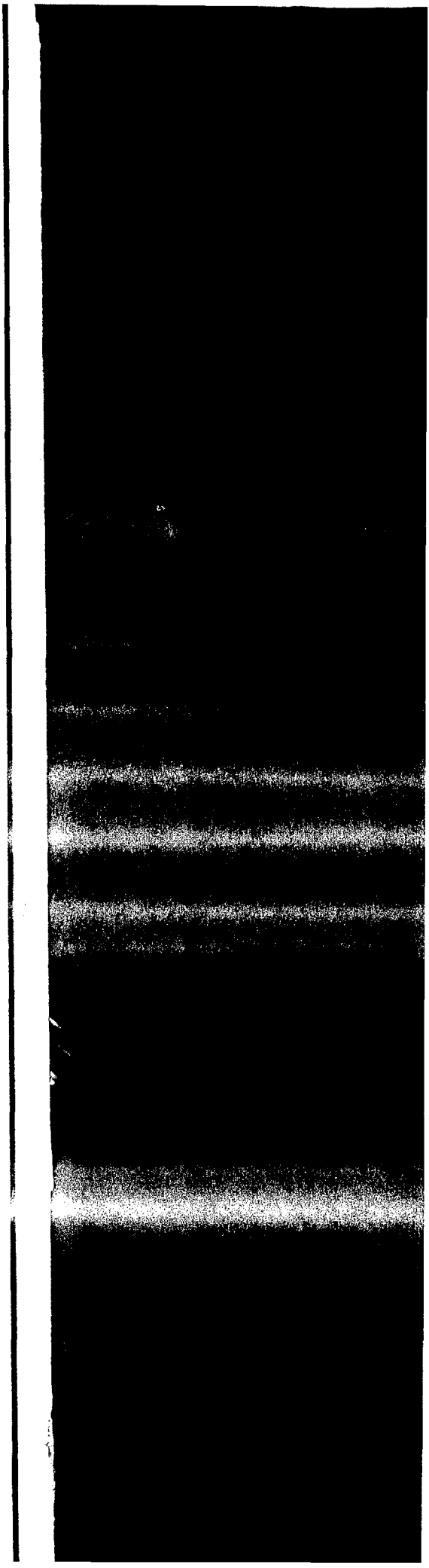
Tlbx Latite flow breccia (autobreccia); greenish gray in color; composed of essential fragments of latite within a latite matrix; occassional accidental fragments of basement granite or other volcanic unit < 5% of total fragments; unit includes flows of crystal rich latite interlayered with autobreccia; pervasively propylitically altered with abundant chlorite and epidote; important host to quartz±calcite vein mineralization.

Tlag Latite agglomerate; greenish gray to green; composed of accessory volcanic fragments and Precambrian Katherine granite clasts in a chlorite altered latite matrix; moderately to well indurated rock; poor host to mineralization.

Tlh Lahar; light to dark geenish gray; chlorite rich matrix with rounded clasts and blocks of Precambrian Katherine granite up to several 10's of feet; significant difference from Tlag unit is poorly indurated character and abundance and size of basement granite clasts; local occurrences of limited extent suggest channel-fill volcanic mudflows interlayered with both trachyte (Tt) and latite flow (Tlbx) breccia; as recessive unit, lahar occurs in topographic lows and especially near base of lower volcanic stratigraphy; pervasively altered with chlorite, epidote and local hematite and calcite; important host to quartz±calcite vein mineralization.

Tk Katherine Granite; rapikivi granite; greenish gray with common pink hue due to hematite after chlorite; K-feldspar phenocrysts up to 2" in length are common; most exposures are limited in extent and typically occur in topographic lows but locally as isolated blocks "rafted" on younger Alcyone volcanics; important host to quartz±calcite vein mineralization.

1,495,000N



Undoubtedly, numerous other controls remain to be discovered. Minimal studies on the fluid inclusions of ore stage quartz were started and several tentative conclusions were reached (Clifton and others, 1980). However, as work progressed it became increasingly more clear that the conclusions based on fluid inclusion studies reported by Clifton and others, (1980) could not be supported. To remedy this situation, a thesis is now underway at the University of Arizona (Tucson) in which the temperatures, pressures, chemical natures and physical states of the mineralizing fluids are being studied (Smith, B., verbal communication, 1980-1983).

FUTURE WORK

Only the central part of the district (The Tom Reed and Gold Road Vein areas) has been mapped at a usable scale. Many historically non-productive to negligibly productive veins exist south of the Tom Reed Vein, and to the north and west of the Gold Road Vein. These areas should be studied in detail. The large area of illitic alteration east of the Moss Vein should be studied as it contains numerous breccia pipes and has an alteration mineralogy similar to that above ore shoots in the main part of the district. The southeast and northwest extensions of the main Tom Reed and Gold Road Veins should be mapped for potential non-outcropping ore shoots. And finally, the true nature of the circular collapse feature with its central breccia pipe must be determined. A few of the vein characteristics and some of the ore controls have been briefly described here. Future workers will no doubt modify these descriptions - such is the nature of progress - and we hope they will also add to the list some new concepts on ore controls that so far have eluded us.

The scores of miles of unmapped veins remaining in the district (largely south of the Tom Reed Vein), some with very wide, strong, surface expressions (the Hardy and Green Giant Vein structures reach to over 100' wide in places), almost certainly have a bonanza to yield to those willing to expend the effort in the search. Good luck.

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NEVADA GSI
GEOCHEMICAL SERVICES, INC.

GEOCHEMICAL ANALYSIS REPORT

December 13, 1989

Mr. Nate Brewer
Lac Minerals
P.O. Box 21390
Reno, Nv. 89515

West Oatman
Drill Spl. Assays - LAC

Number of Samples: 166
GSI Number: 6057
Analysis: Fire Assay for Gold and Silver, with an A.A. finish.

	Sample I.D.			Au o/t	Ag o/t
1	SAMPLE:	SO-5	0 5	<.001	<.10
2	SAMPLE:	SO-5	5 10	<.001	<.10
3	SAMPLE:	SO-5	10 15	<.001	<.10
4	SAMPLE:	SO-5	15 20	<.001	<.10
5	SAMPLE:	SO-5	20 25	<.001	<.10
6	SAMPLE:	SO-5	25 30	<.001	<.10
7	SAMPLE:	SO-5	30 35	<.001	<.10
8	SAMPLE:	SO-5A	0 5	<.001	<.10
9	SAMPLE:	SO-5A	5 10	<.001	<.10
10	SAMPLE:	SO-5A	10 15	<.001	<.10
11	SAMPLE:	SO-5A	15 20	<.001	<.10
12	SAMPLE:	SO-5A	20 25	<.001	<.10
13	SAMPLE:	SO-5A	25 30	<.001	<.10
14	SAMPLE:	SO-5A	30 35	<.001	<.10
15	SAMPLE:	SO-5A	35 40	<.001	<.10
16	SAMPLE:	SO-5A	40 45	<.001	<.10
17	SAMPLE:	SO-5A	45 50	<.001	<.10
18	SAMPLE:	SO-5A	50 55	<.001	<.10
19	SAMPLE:	SO-5A	55 60	<.001	<.10
20	SAMPLE:	SO-5A	60 65	<.001	<.10
21	SAMPLE:	SO-5A	65 70	<.001	<.10
22	SAMPLE:	SO-5A	70 75	<.001	<.10
23	SAMPLE:	SO-5A	75 80	0.008	<.10
24	SAMPLE:	SO-5A	80 85	<.001	<.10
25	SAMPLE:	SO-5A	85 90	<.001	<.10
26	SAMPLE:	SO-5A	90 95	<.001	<.10
27	SAMPLE:	SO-5A	95 100	<.001	<.10
28	SAMPLE:	SO-5A	100 105	<.001	<.10
29	SAMPLE:	SO-5A	105 110	<.001	<.10
30	SAMPLE:	SO-5A	110 115	<.001	<.10
31	SAMPLE:	SO-5A	115 120	<.001	<.10
32	SAMPLE:	SO-5A	120 125	<.001	<.10
33	SAMPLE:	SO-5A	125 130	<.001	<.10
34	SAMPLE:	SO-5A	130 135	<.001	<.10

	Sample I.D.				Au o/t	Ag o/t
35	SAMPLE:	SO-5A	135	140	<.001	<.10
36	SAMPLE:	SO-5A	140	145	<.001	<.10
37	SAMPLE:	SO-5A	145	150	<.001	<.10
38	SAMPLE:	SO-5A	150	155	<.001	0.10
39	SAMPLE:	SO-5A	155	160	<.001	<.10
40	SAMPLE:	SO-5A	160	165	<.001	<.10
41	SAMPLE:	SO-5A	165	170	<.001	<.10
42	SAMPLE:	SO-5A	170	175	0.004	<.10
43	SAMPLE:	SO-5A	175	180	<.001	<.10
44	SAMPLE:	SO-5A	180	185	<.001	<.10
45	SAMPLE:	SO-5A	185	190	<.001	<.10
46	SAMPLE:	SO-5A	190	195	<.001	<.10
47	SAMPLE:	SO-5A	195	200	<.001	<.10
48	SAMPLE:	SO-5A	200	205	<.001	<.10
49	SAMPLE:	SO-5A	205	210	<.001	<.10
50	SAMPLE:	SO-5A	210	215	<.001	<.10
51	SAMPLE:	SO-5A	215	220	<.001	<.10
52	SAMPLE:	WO-1	0	5	<.001	<.10
53	SAMPLE:	WO-1	5	10	0.001	<.10
54	SAMPLE:	WO-1	10	15	0.002	<.10
55	SAMPLE:	WO-1	15	20	0.008	<.10
56	SAMPLE:	WO-1	20	25	0.002	<.10
57	SAMPLE:	WO-1	25	30	0.002	<.10
58	SAMPLE:	WO-1	30	35	0.003	<.10
59	SAMPLE:	WO-1	35	40	<.001	<.10
60	SAMPLE:	WO-1	40	45	0.002	<.10
61	SAMPLE:	WO-1	45	50	0.002	<.10
62	SAMPLE:	WO-1	50	55	0.005	<.10
63	SAMPLE:	WO-1	55	60	0.006	<.10
64	SAMPLE:	WO-1	60	65	0.007	<.10
65	SAMPLE:	WO-1	65	70	0.002	<.10
66	SAMPLE:	WO-1	70	75	0.005	<.10
67	SAMPLE:	WO-1	75	80	0.011	<.10
68	SAMPLE:	WO-1	80	85	0.004	<.10
69	SAMPLE:	WO-1	85	90	0.006	<.10
70	SAMPLE:	WO-1	90	95	0.006	<.10
71	SAMPLE:	WO-1	95	100	0.004	0.12
72	SAMPLE:	WO-1	100	105	0.005	<.10
73	SAMPLE:	WO-1	105	110	0.015	<.10
74	SAMPLE:	WO-1	110	115	0.007	<.10
75	SAMPLE:	WO-1	115	120	0.020	0.12
76	SAMPLE:	WO-1	120	125	0.007	<.10
77	SAMPLE:	WO-1	125	130	0.003	<.10
78	SAMPLE:	WO-1	130	135	0.010	<.10
79	SAMPLE:	WO-1	135	140	0.018	<.10
80	SAMPLE:	WO-1	140	145	0.010	<.10
81	SAMPLE:	WO-1	145	150	0.008	0.13
82	SAMPLE:	WO-1	150	155	0.009	<.10

West Oatman Drilling

	Sample I.D.			Au o/t	Ag o/t
83	SAMPLE:	WO-1	155 160	0.002	<.10
84	SAMPLE:	WO-1	160 165	0.002	<.10
85	SAMPLE:	WO-1	165 170	0.001	<.10
86	SAMPLE:	WO-1	170 175	0.001	<.10
87	SAMPLE:	WO-1	175 180	0.003	<.10
88	SAMPLE:	WO-1	180 185	0.002	<.10
89	SAMPLE:	WO-1	185 190	0.021	0.11
90	SAMPLE:	WO-1	190 195	0.003	0.32
91	SAMPLE:	WO-1	195 200	<.001	<.10
92	SAMPLE:	WO-1	200 205	0.002	<.10
93	SAMPLE:	WO-1	205 210	0.004	<.10
94	SAMPLE:	WO-1	210 215	0.002	<.10
95	SAMPLE:	WO-1	215 220	0.006	<.10
96	SAMPLE:	WO-1	220 225	0.002	<.10
97	SAMPLE:	WO-1	225 230	0.002	<.10
98	SAMPLE:	WO-1	230 235	0.001	<.10
99	SAMPLE:	WO-1	235 240	0.004	<.10
100	SAMPLE:	WO-1	240 245	0.001	<.10
101	SAMPLE:	WO-1	245 250	0.001	<.10
102	SAMPLE:	WO-1	250 255	0.001	<.10
103	SAMPLE:	WO-1	255 260	0.006	<.10
104	SAMPLE:	WO-1	260 265	0.006	<.10
105	SAMPLE:	WO-1	265 270	0.002	<.10
106	SAMPLE:	WO-1	270 275	0.001	<.10
107	SAMPLE:	WO-1	275 280	0.001	<.10
108	SAMPLE:	WO-2	0 5	0.002	<.10
109	SAMPLE:	WO-2	5 10	0.007	0.18
110	SAMPLE:	WO-2	10 15	0.005	<.10
111	SAMPLE:	WO-2	15 20	0.008	<.10
112	SAMPLE:	WO-2	20 25	0.010	0.11
113	SAMPLE:	WO-2	25 30	0.003	<.10
114	SAMPLE:	WO-2	30 35	0.002	<.10
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116	SAMPLE:	WO-2	40 45	0.009	<.10
117	SAMPLE:	WO-2	45 50	0.007	<.10
118	SAMPLE:	WO-2	50 55	0.009	<.10
119	SAMPLE:	WO-2	55 60	0.017	<.10
120	SAMPLE:	WO-2	60 65	0.015	0.10
121	SAMPLE:	WO-2	65 70	0.015	<.10
122	SAMPLE:	WO-2	70 75	0.008	<.10
123	SAMPLE:	WO-2	75 80	0.007	<.10
124	SAMPLE:	WO-2	80 85	0.009	<.10
125	SAMPLE:	WO-2	85 90	0.005	<.10
126	SAMPLE:	WO-2	90 95	0.011	<.10
127	SAMPLE:	WO-2	95 100	0.007	<.10
128	SAMPLE:	WO-2	100 105	0.008	0.10
129	SAMPLE:	WO-2	105 110	0.006	<.10
130	SAMPLE:	WO-2	110 115	0.011	<.10

	Sample I.D.				Au o/t	Ag o/t
131	SAMPLE:	WO-2	115	120	0.025	<.10
132	SAMPLE:	WO-2	120	125	0.003	<.10
133	SAMPLE:	WO-2	125	130	0.004	<.10
134	SAMPLE:	WO-2	130	135	0.004	0.10
135	SAMPLE:	WO-2	135	140	0.013	<.10
136	SAMPLE:	WO-2	140	145	0.005	<.10
137	SAMPLE:	WO-2	145	150	0.003	<.10
138	SAMPLE:	WO-2	150	155	0.004	<.10
139	SAMPLE:	WO-2	155	160	0.002	<.10
140	SAMPLE:	WO-2	160	165	0.002	<.10
141	SAMPLE:	WO-2	165	170	0.004	<.10
142	SAMPLE:	WO-2	170	175	0.001	<.10
143	SAMPLE:	WO-2	175	180	0.002	<.10
144	SAMPLE:	WO-2	180	185	0.009	<.10
145	SAMPLE:	WO-2	185	190	0.002	0.12
146	SAMPLE:	WO-2	190	195	0.005	<.10
147	SAMPLE:	WO-2	195	200	0.004	<.10
148	SAMPLE:	WO-2	200	205	0.007	0.20
149	SAMPLE:	WO-2	205	210	0.005	<.10
150	SAMPLE:	WO-2	210	215	0.003	<.10
151	SAMPLE:	WO-2	215	220	0.009	<.10
152	SAMPLE:	WO-2	220	225	0.011	0.10
153	SAMPLE:	WO-2	225	230	0.007	<.10
154	SAMPLE:	WO-2	230	235	0.002	<.10
155	SAMPLE:	WO-2	235	240	0.004	<.10
156	SAMPLE:	WO-2	240	245	0.003	<.10
157	SAMPLE:	WO-2	245	250	0.002	<.10
158	SAMPLE:	WO-2	250	255	0.003	<.10
159	SAMPLE:	WO-2	255	260	0.004	<.10
160	SAMPLE:	WO-2	260	265	0.003	<.10
161	SAMPLE:	WO-2	265	270	0.006	0.12
162	SAMPLE:	WO-2	270	275	0.001	<.10
163	SAMPLE:	WO-2	275	280	0.001	<.10
164	SAMPLE:	WO-2	280	285	0.001	<.10
165	SAMPLE:	WO-2	285	290	0.002	<.10
166	SAMPLE:	WO-2	290	295	0.002	<.10

This report reviewed and approved by:

Richard A. Grondin

Richard Grondin, Operations Manager

DEC 19 1989

BARRINGER LABORATORIES INC.

15000 W. 6TH AVE., SUITE 300
GOLDEN, COLORADO 80401
PHONE: (303) 277-1687

1455 DEMING WAY, SUITE 15
SPARKS, NEVADA 89431
PHONE: (702) 358-1158

12-Dec-89

LAC Minerals
P.O. Box 2190
Reno, NV. 89505

Authority: Nate Brewer
Project : Voat

Purchase order :

Job: 892589R

Status: Final

Type	Sample	Au FA/AA ppb
Cut	WO-2 295-300	73
	WO-2 300-305	180
	WO-2 305-310	64
	WO-2 310-315	44
	WO-2 315-320	37
	WO-2 320-325	71
	WO-2 325-330	46
	WO-2 330-335	115
	WO-2 335-340	233
	WO-2 340-345	106
	WO-2 345-350	36
	WO-2 350-355	23
	WO-2 355-360	26
	WO-2 360-365	25
	WO-2 365-370	45
	WO-2 370-375	48
	WO-2 375-380	21
	WO-2 380-385	12
	WO-2 385-390	17
	WO-2 390-395	12
	WO-2 395-400	32
	WO-2 400-405	134
	WO-2 405-410	122
	WO-2 410-415	121
	WO-2 415-420	176
	WO-2 420-425	1003
	WO-2 425-430	581
	WO-2 430-435	186
	WO-2 435-440	99

BARRINGER LABORATORIES INC.

15000 W. 6TH AVE., SUITE 300
GOLDEN, COLORADO 80401
PHONE: (303) 277-1687

1455 DEMING WAY, SUITE 15
SPARKS, NEVADA 89431
PHONE: (702) 358-1158

12-Dec-89

LAC Minerals
P.O. Box 2190
Reno, NV. 89505

Authority: Nate Brewer
Project : Voat

Purchase order :

Job: 892589R

Status: Final

Type	Sample	Au FA/AA ppb
Cut	WO-2 440-445	53
	WO-2 445-450	31
	WO-2 450-455	75
	WO-2 455-460	48
	WO-2 460-465	44
	WO-3 0-5	154
	WO-3 5-10	465
	WO-3 10-15	396
	WO-3 15-20	67
	WO-3 20-25	69
	WO-3 25-30	146
	WO-3 30-35	349
	WO-3 35-40	663
	WO-3 40-45	125
	WO-3 45-50	352
	WO-3 50-55	175
	WO-3 55-60	132
	WO-3 60-65	77
	WO-3 65-70	100
	WO-3 70-75	79
	WO-3 75-80	107
	WO-3 80-85	138
	WO-3 85-90	78
	WO-3 90-95	169
	WO-3 95-100	241
	WO-3 100-105	87
	WO-3 105-110	95
	WO-3 110-115	143
	WO-3 115-120	301

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12-Dec-89

LAC Minerals
P.O. Box 2190
Reno, NV. 89505

Page: 3
Copy: 1 of 2
Set : 1

Authority: Nate Brewer
Project : Voat

Purchase order :

Job: 892589R

Status: Final

Type	Sample	Au FA/AA ppb
Cut	WO-3 120-125	174
	WO-3 125-130	195
	WO-3 130-135	164
	WO-3 135-140	139
	WO-3 140-145	335
	WO-3 145-150	166
	WO-3 150-155 1/2	137
	WO-3 150-155 2/2	142
	WO-3 155-160	106
	WO-3 160-165	143
	WO-3 165-170	144
	WO-3 170-175	102
	WO-3 175-180	27
	WO-3 180-185	24
	WO-3 185-190	29
	WO-3 190-195	44
	WO-3 195-200	25
	WO-3 200-205	39
	WO-3 205-210	30
	WO-3 210-215	25
	WO-3 215-220	26
	WO-3 220-225	186
	WO-3 225-230	180
	WO-3 230-235	49
	WO-3 235-240	29
	WO-3 240-245	35
	WO-3 245-250	29
	WO-3 250-255	34
	WO-3 255-260	21

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PHONE: (702) 358-1158

12-Dec-89

LAC Minerals
P.O. Box 2190
Reno, NV. 89505

Authority: Nate Brewer
Project : Voat

Purchase order :

Job: 892589R

Status: Final

Type	Sample	Au FA/AA ppb
Cut	WO-3 260-265	16
	WO-3 265-270	86
	WO-3 270-275	34
	WO-3 275-280	24
	WO-3 280-285	53
	WO-3 285-290	22
	WO-3 290-295	27
	WO-3 295-300	47
	WO-3 300-305	53
	WO-3 305-310	47
	WO-3 310-315	70
	WO-3 315-320	60
	WO-3 320-325	48
	WO-3 325-330	30
	WO-3 330-335	104
	WO-3 335-340	26
	WO-3 340-345	18
	WO-3 345-350	20
	WO-3 350-355	18
	WO-3 355-360	45
	WO-3 360-365	46
	WO-3 365-370	22
	WO-3 370-375	30
	WO-3 375-380	24
	WO-3 380-385	28
	WO-3 385-390	52
	WO-3 390-395	55
	WO-3 395-400	165
	WO-3 400-405	95

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12-Dec-89

LAC Minerals
P.O. Box 2190
Reno, NV. 89505

Page: 5
Copy: 1 of 2
Set : 1

Authority: Nate Brewer
Project : Voat

Purchase order :

Job: 892589R

Status: Final

Type	Sample	Au FA/AA ppb
Cut	WO-3 405-410	42
	WO-3 410-415	52
	WO-3 415-420	189
	WO-3 420-425	109
	WO-3 425-430	41
	WO-3 430-435	41
	WO-3 435-440	66
	WO-3 440-445	65
	WO-3 445-450	40
	WO-3 450-455	28
	WO-3 455-460	47
	WO-3 460-465	37
	WO-3 465-470	78
	WO-3 470-475	30
	WO-3 475-480	55
	WO-3 480-485	54
	WO-3 485-490	41
	WO-3 490-495	34
	WO-3 495-500	42
	WO-3 500-505	46
	WO-4 0-5	122
	WO-4 5-10	97
	WO-4 10-15	98
	WO-4 15-20	34
	WO-4 20-25	59
	WO-4 25-30	79
	WO-4 30-35	66
	WO-4 35-40	37
	WO-4 40-45	73

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LAC Minerals
P.O. Box 2190
Reno, NV. 89505

Authority: Nate Brewer
Project : Voat

Purchase order :

Job: 892589R

Status: Final

Type	Sample	Au FA/AA ppb
Cut	WO-4 45-50	191
	WO-4 50-55	72
	WO-4 55-60	110
	WO-4 60-65	113
	WO-4 65-70	79
	WO-4 70-75	155
	WO-4 75-80	270
	WO-4 80-85	93
	WO-4 85-90	128
	WO-4 90-95	76
	WO-4 95-100	290
	WO-4 100-105	629
	WO-4 105-110	280
	WO-4 110-115	605
	WO-4 115-120	218
	WO-4 120-125	117
	WO-4 125-130	77
	WO-4 130-135	94
	WO-4 135-140	189
	WO-4 140-145	55
	WO-4 145-150	15
	WO-4 150-155	25
	WO-4 155-160	37
	WO-4 160-165	183
	WO-4 165-170	79
	WO-4 170-175	110
	WO-4 175-180	69
	WO-4 180-185	53
	WO-4 185-190	88

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12-Dec-89

LAC Minerals
P.O. Box 2190
Reno, NV. 89505

Authority: Nate Brewer
Project : Voat Purchase order :

Job: 892589R Status: Final

Type	Sample	Au FA/AA ppb
Cut	WO-4 190-195	22
	WO-4 195-200	62
	WO-4 200-205	37
	WO-4 205-210	56
	WO-4 210-215	18
	WO-4 215-220	30
	WO-4 220-225	46
	WO-4 225-230	54
	WO-4 230-235	56
	WO-4 235-240	43
	WO-4 240-245	134
	WO-4 245-250	76
	WO-4 250-255	74
	WO-4 255-260	60
	WO-4 260-265	55
	WO-4 265-270	79
	WO-4 270-275	110
	WO-4 275-280	48
	WO-4 280-285	91
	WO-4 285-290	100
	WO-4 290-295	46
	WO-4 295-300	27
	WO-4 300-305	15
	WO-4 305-310	25
	WO-4 310-315	26
	WO-4 315-320	43
	WO-4 320-325	34
	WO-4 325-330	49
	WO-4 330-335	22

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LAC Minerals
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Page: 8
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Set : 1

Authority: Nate Brewer
Project : Voat

Purchase order :

Job: 892589R

Status: Final

Type	Sample	Au FA/AA ppb
Cut	WO-4 335-340	27
	WO-4 340-345	21
	WO-4 345-350	14
	WO-4 350-355	12
	WO-4 355-360	<2
	WO-4 360-365	8
	WO-4 365-370	42
	WO-4 370-375	65
	WO-4 375-380	36
	WO-4 380-385	12
	WO-4 385-390	9
	WO-4 390-395	10
	WO-4 395-400	<2
	WO-4 400-405	11
	WO-4 405-410	<2
	WO-4 410-415	<2
	WO-4 415-420	<2
	WO-4 420-425	<2
	WO-4 425-430	M
	WO-4 430-435	<2
	WO-4 435-440	<2
	WO-4 440-445	<2
	WO-4 445-450	8
	WO-4 450-455	<2
	WO-4 455-460	<2
	WO-4 460-465	<2
	WO-4 465-470	2
	WO-4 470-475	46
	C-4406	139

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Authority: Nate Brewer
Project : Voat

Purchase order :

Job: 892589R

Status: Final

Type	Sample	Au FA/AA ppb
Cut	C-4407	44

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18-Dec-89

LAC Minerals
P.O. Box 2190
Reno, NV. 89505

Authority: Nate Brewer
Project :

Purchase order :

Job: 892632R

Status: Final

Type	Sample	Au FA/AA ppb
Cut	WO-4 425-430	3
	WO-5 0-5	130
	WO-5 5-10	147
	WO-5 10-15	95
	WO-5 15-20	20
	WO-5 20-25	3699
	WO-5 25-30	222
	WO-5 30-35	164
	WO-5 35-40	258
	WO-5 40-45	120
	WO-5 45-50	73
	WO-5 50-55	38
	WO-5 55-60	130
	WO-5 60-65	346
	WO-5 65-70	641
	WO-5 70-75	289
	WO-5 75-80	147
	WO-5 80-85	196
	WO-5 85-90	175
	WO-5 90-95	236
	WO-5 95-100	87
	WO-5 100-105	107
	WO-5 105-110	400
	WO-5 110-115	100
	WO-5 115-120	43
	WO-5 120-125	24
	WO-5 125-130	26
	WO-5 130-135	12
	WO-5 135-140	57

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BARRINGER LABORATORIES INC.

18-Dec-89

LAC Minerals
P.O. Box 2190
Reno, NV. 89505

Authority: Nate Brewer
Project :

Purchase order :

Job: 892632R

Status: Final

Type	Sample	Au FA/AA ppb
Cut	WO-5 140-145	25
	WO-5 145-150	17
	WO-5 150-155	48
	WO-5 155-160	22
	WO-5 160-165	26
	WO-5 165-170	17
	WO-5 170-175	10
	WO-5 175-180	29
	WO-5 180-185	28
	WO-5 185-190	51
	WO-5 190-195	68
	WO-5 195-200	77
	WO-5 200-205	64
	WO-5 205-210	93
	WO-5 210-215	39
	WO-5 215-220	11
	WO-5 220-225	35
	WO-5 225-230	29
	WO-5 230-235	74
	WO-5 235-240	58
	WO-5 240-245	27
	WO-5 245-250	44
	WO-5 250-255	57
	WO-5 255-260	87
	WO-5 260-265	92
	WO-5 265-270	32
	WO-5 270-275	24
	WO-5 275-280	18
	WO-5 280-285	26

BARRINGER LABORATORIES INC.

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PHONE: (702) 358-1156

18-Dec-89

LAC Minerals
P.O. Box 2190
Reno, NV. 89505

Page: 3
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Set : 1

Authority: Nate Brewer
Project :

Purchase order :

Job: 892632R

Status: Final

Type	Sample	Au FA/AA ppb
Cut	WO-5 285-290	45
	WO-5 290-295	75
	WO-5 295-300	140
	WO-5 300-305	297
	WO-5 305-310	586
	WO-5 310-315	157
	WO-5 315-320	83
	WO-5 320-325	71
	WO-5 325-330	35
	WO-5 330-335	47
	WO-5 335-340	71
	WO-5 340-345	74
	WO-5 345-350	24
	WO-5 350-355	25
	WO-5 355-360	13
	WO-5 360-365	9
	WO-5 365-370	51
	WO-5 370-375	38
	WO-5 375-380	15
	WO-5 380-385	28
	WO-5 385-390	30
	WO-5 390-395	32
	WO-5 395-400	34
	WO-5 400-405	66
	WO-5 405-410	53
	WO-5 410-415	17
	WO-5 415-420	8
	WO-5 420-425	3
	WO-5 425-430	7

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PHONE: (303) 277-1687

1455 DEMING WAY, SUITE 15
SPARKS, NEVADA 89431
PHONE: (702) 358-1168

18-Dec-89

LAC Minerals
P.O. Box 2190
Reno, NV. 89505

Authority: Nate Brewer
Project :

Purchase order :

Job: 892632R

Status: Final

Type	Sample	Au FA/AA ppb
Cut	WO-5 430-435	4
	WO-5 435-440	6
	WO-5 440-445	8
	WO-6 0-5	143
	WO-6 5-10	1096
	WO-6 10-15	175
	WO-6 15-20	448
	WO-6 20-25	144
	WO-6 25-30	451
	WO-6 30-35	110
	WO-6 35-40	83
	WO-6 40-45	101
	WO-6 45-50	60
	WO-6 50-55	132
	WO-6 55-60	101
	WO-6 60-65	64
	WO-6 65-70	241
	WO-6 70-75	129
	WO-6 75-80	57
	WO-6 80-85	80
	WO-6 85-90	49
	WO-6 90-95	142
	WO-6 95-100	565
	WO-6 100-105	21
	WO-6 105-110	42
	WO-6 110-115	71
	WO-6 115-120	15
	WO-6 120-125	25
	WO-6 125-130	138

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18-Dec-89

LAC Minerals
P.O. Box 2190
Reno, NV. 89505

Page: 5
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Set : 1

Authority: Nate Brewer
Project :

Purchase order :

Job: 892632R

Status: Final

Type	Sample	Au FA/AA ppb
Cut	WO-6 130-135	47
	WO-6 135-140	3
	WO-6 140-145	<2
	WO-6 145-150	147
	WO-6 150-155	3
	WO-6 155-160	25
	WO-6 160-165	24
	WO-6 165-170	41
	WO-6 170-175	11
	WO-6 175-180	8
	WO-6 180-185	<2
	WO-6 185-190	<2
	WO-6 190-195	4
	WO-6 195-200	10
	WO-6 200-205	48
	WO-6 205-210	17
	WO-6 210-215	32
	WO-6 215-220	15
	WO-6 220-225	12
	WO-6 225-230	40
	WO-6 230-235	3
	WO-6 235-240	3
	WO-6 240-245	5
	WO-6 245-250	3
	WO-6 250-255	23
	WO-6 255-260	16
	WO-6 260-265	22
	WO-6 265-270	45
	WO-6 270-275	33

BARRINGER LABORATORIES INC.

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1468 DEMING WAY, SUITE 16
SPARKS, NEVADA 89431
PHONE: (702) 358-1158

18-Dec-89

LAC Minerals
P.O. Box 2190
Reno, NV. 89505

Authority: Nate Brewer
Project :

Purchase order :

Job: 892632R

Status: Final

Type	Sample	Au FA/AA ppb
Cut	WO-6 275-280	49
	WO-6 280-285	96
	WO-6 285-290	20
	WO-6 290-295	27
	WO-6 295-300	5
	WO-6 300-305	4
	WO-6 305-310	8
	WO-6 310-315	6
	WO-6 315-320	18
	WO-6 320-325	58
	WO-6 325-330	15
	WO-6 330-335	13
	WO-6 335-340	63
	WO-6 340-345	102
	WO-6 345-350	142
	WO-6 350-355	32
	WO-6 355-360	14
	WO-6 360-365	11
	WO-6 365-370	17
	WO-6 370-375	10
	WO-6 375-380	9
	WO-6 380-385	8
	WO-6 385-390	10
	WO-6 390-395	11
	WO-6 395-400	12
	WO-6 400-405	19
	WO-6 405-410	7
	WO-6 410-415	11
	WO-6 415-420	9

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1465 DEMING WAY, SUITE 15
SPARKS, NEVADA 89431
PHONE: (702) 358-1168

18-Dec-89

LAC Minerals
P.O. Box 2190
Reno, NV. 89505

Authority: Nate Brewer
Project :

Purchase order :

Job: 892632R

Status: Final

Type	Sample	Au FA/AA ppb
Cut	WO-6 420-425	10
	WO-6 425-430	46
	WO-6 430-435	16
	WO-6 435-440	18
	WO-6 440-445	10
	WO-6 445-450	13
	WO-6 450-455	4
	WO-6 455-460	<2
	WO-6 460-465	<2
	WO-6 465-470	<2
	WO-6 470-475	<2
	WO-6 475-480	<2
	WO-6 480-485	<2
	WO-6 485-490	<2

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PHONE: (702) 358-1158

18-Dec-89

LAC Minerals
P.O. Box 2190
Reno, NV. 89505

Authority: Nate Brewer
Project :

Purchase order :

Job: 892633R

Status: Final

Type	Sample	Au FA/AA ppb
Cut	WO-7 0-5	294
	WO-7 5-10	651
	WO-7 10-15	84
	WO-7 15-20	77
	WO-7 20-25	6
	WO-7 25-30	6
	WO-7 30-35	15
	WO-7 35-40	119
	WO-7 40-45	44
	WO-7 45-50	5
	WO-7 50-55	7
	WO-7 55-60	54
	WO-7 60-65	22
	WO-7 65-70	28
	WO-7 70-75	41
	WO-7 75-80	54
	WO-7 80-85	154
	WO-7 85-90	91
	WO-7 90-95	113
	WO-7 95-100	855
	WO-7 100-105	440
	WO-7 105-110	19
	WO-7 110-115	39
	WO-7 115-120	13
	WO-7 120-125	10
	WO-7 125-130	5
	WO-7 130-135	86
	WO-7 135-140	12
	WO-7 140-145	10

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SPARKS, NEVADA 89431
PHONE: (702) 358-1158

18-Dec-89

LAC Minerals
P.O. Box 2190
Reno, NV. 89505

Authority: Nate Brewer
Project :

Purchase order :

Job: 892633R

Status: Final

Type	Sample	Au FA/AA ppb
Cut	WO-7 145-150	55
	WO-7 150-155	91
	WO-7 155-160	158
	WO-7 160-165	35
	WO-7 165-170	24
	WO-7 170-175	<2
	WO-7 175-180	<2
	WO-7 180-185	3
	WO-7 185-190	12
	WO-7 190-195	44
	WO-7 195-200	134
	WO-7 200-205	74
	WO-7 205-210	36
	WO-7 210-215	101
	WO-7 215-220	21
	WO-7 220-225	7
	WO-7 225-230	20
	WO-7 230-235	49
	WO-7 235-240	24
	WO-7 240-245	57
	WO-7 245-250	50
	WO-7 250-255	73
	WO-7 255-260	10
	WO-7 260-265	4
	WO-7 265-270	8
	WO-7 270-275	4
	WO-7 275-280	40
	WO-7 280-285	43
	WO-7 285-290	35

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SPARKS, NEVADA 89431
PHONE: (702) 358-1158

18-Dec-89

LAC Minerals
P.O. Box 2190
Reno, NV. 89505

Authority: Nate Brewer
Project :

Purchase order :

Job: 892633R

Status: Final

Type	Sample	Au FA/AA ppb
Cut	WO-7 290-295	83
	WO-7 295-300	37
	WO-7 300-305	57
	WO-7 305-310	36
	WO-7 310-315	56
	WO-7 315-320	29
	WO-7 320-325	85
	WO-7 325-330	17
	WO-7 330-335	11
	WO-7 335-340	28
	WO-7 340-345	<2
	WO-7 345-350	<2
	WO-7 350-355	6
	WO-7 355-360	8
	WO-7 360-365	19
	WO-7 365-370	24
	WO-7 370-375	59
	WO-7 375-380	509
	WO-7 380-385	264
	WO-7 385-390	36
	WO-7 390-395	10
	WO-7 395-400	9
	WO-7 400-405	8
	WO-7 405-410	14
	WO-7 410-415	50
	WO-7 415-420	12
	WO-7 420-425	10
	WO-7 425-430	3
	WO-7 430-435	5

01. 16. 90 10:34 AM *Barringer Labs, Inc. P05

BARRINGER LABORATORIES INC.

15000 W. 6TH AVE., SUITE 300
GOLDEN, COLORADO 80401
PHONE: (303) 277-1887

1455 DEMING WAY, SUITE 15
SPARKS, NEVADA 89431
PHONE: (702) 358-1158

18-Dec-89

LAC Minerals
P.O. Box 2190
Reno, NV. 89505

Authority: Nate Brewer
Project :

Purchase order :

Job: 892633R

Status: Final

Type	Sample	Au FA/AA ppb
Cut	WO-7 435-440	12
	WO-7 440-445	3
	WO-7 445-450	7
	WO-7 450-455	15
	WO-7 455-460	16
	WO-7 460-465	8
Chip	C-4408	40
	C-4409	366
	C-4410	198
	C-4411	706
	C-4412	150
	C-4413	820
	C-4414	596
	C-4415	42
	C-4416	117
	C-4417	71
	C-4418	224
	C-4419	615
	C-4420	188
	C-4421	65
	C-4422	82
	C-4423	66
	C-4424	64
	C-4425	112
	C-4426	230
	C-4427	80
	C-4428	123
	C-4429	146
	C-4430	236

BARRINGER LABORATORIES INC.

18000 W. 6TH AVE., SUITE 300
GOLDEN, COLORADO 80401
PHONE: (303) 277-1687

1458 DEMING WAY, SUITE 18
SPARKS, NEVADA 89431
PHONE: (702) 358-1156

18-Dec-89

LAC Minerals
P.O. Box 2190
Reno, NV. 89505

Authority: Nate Brewer
Project :

Purchase order :

Job: 892633R Status: Final

Type	Sample	Au FA/AA ppb
Chip	C-4431	116
	C-4432	159
	C-4433	107
	C-4434	768
	C-4435	291
	C-4436	94
	C-4437	123

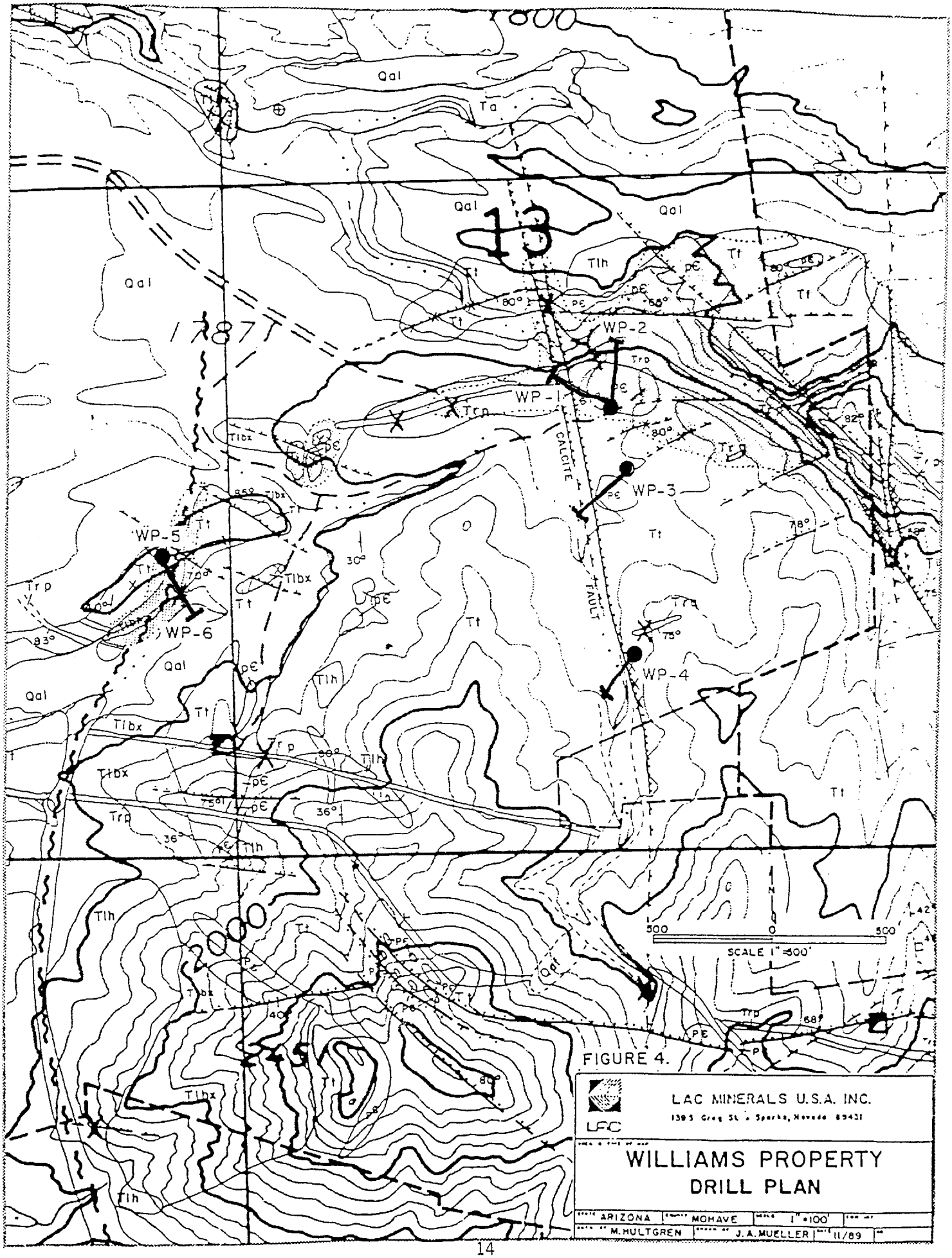


FIGURE 4.

LAC MINERALS U.S.A. INC.
1393 Greg St. • Sparks, Nevada 89431

WILLIAMS PROPERTY
DRILL PLAN

ARIZONA	MOHAVE	1"=100'	
M. HULTGREN	J. A. MUELLER	11/89	

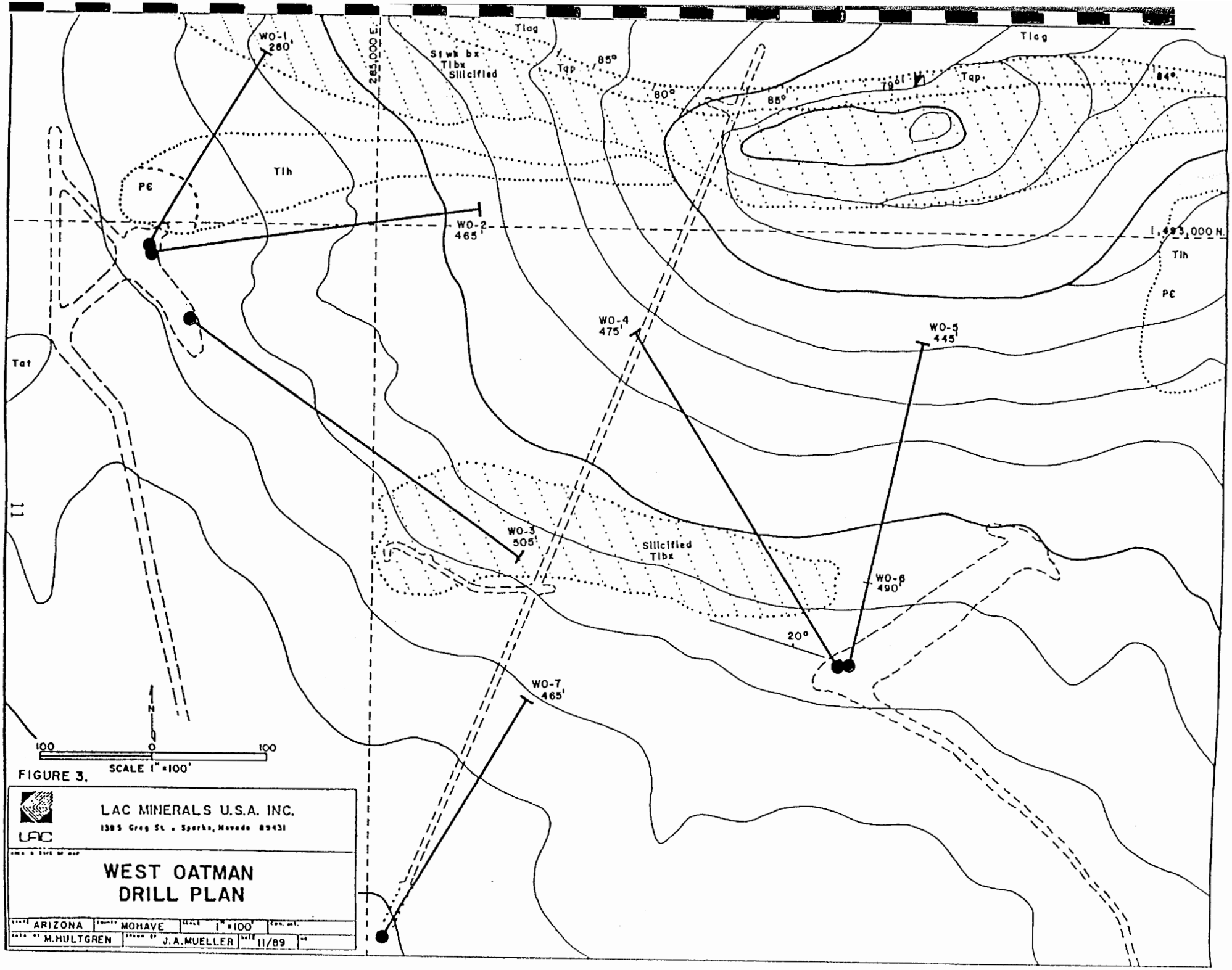
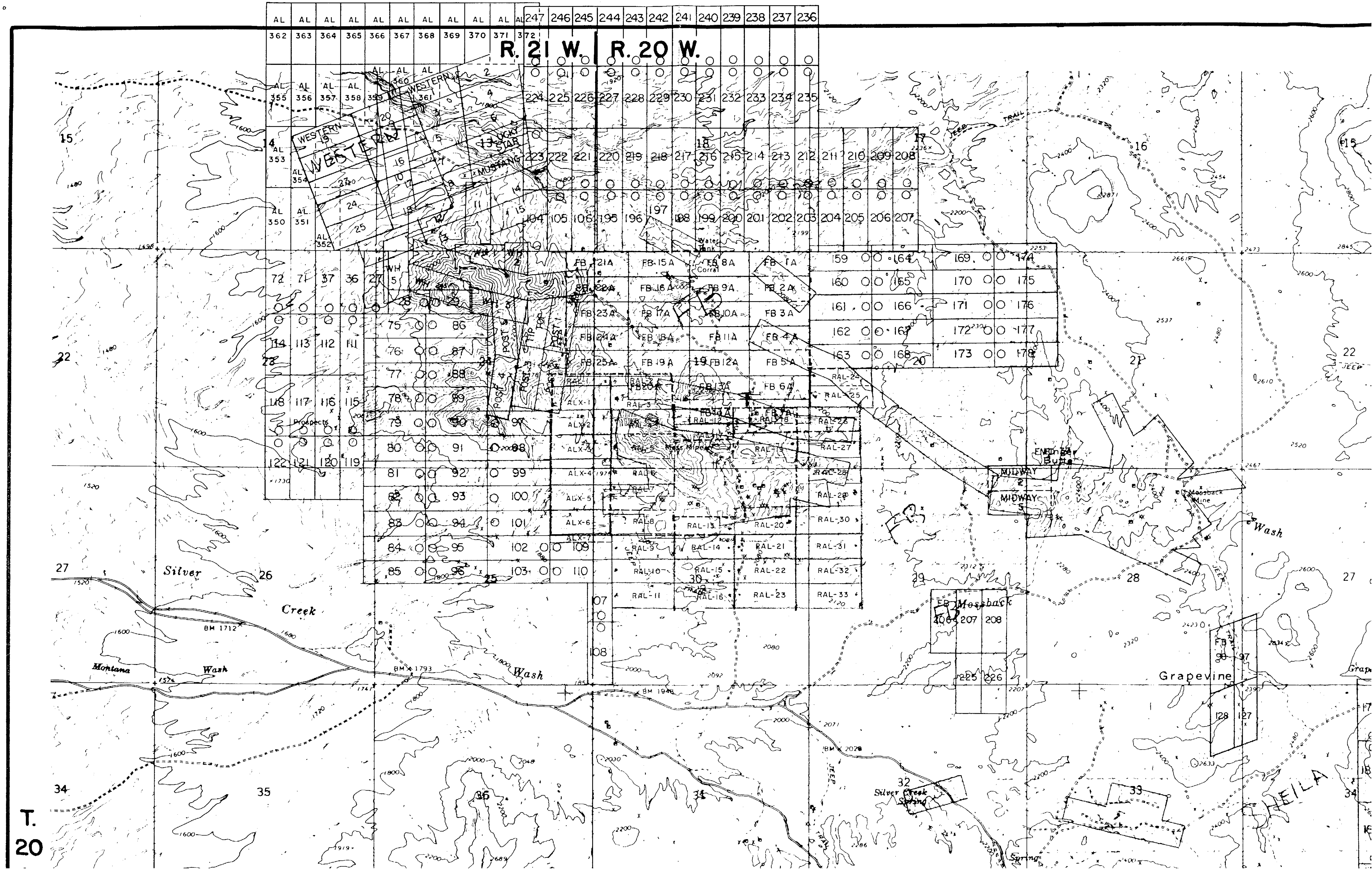


FIGURE 3.

LAC MINERALS U.S.A. INC.
1385 Greg St. • Sparks, Nevada 89431

WEST OATMAN DRILL PLAN

STATE	COUNTY	SCALE	CON. INT.
ARIZONA	MOHAVE	1"=100'	
DRAWN BY M. HULTGREN	CHECKED BY J.A. MUELLER	DATE 11/89	



R. 21 W.
R. 20 W.
T. 20
WESTERN
LUCKY STAR
MUSTANG
POST
TIP
Water Tank
Corral
Prospects
Mass Mine
Silver Creek
Montana Wash
Wash
BM 1712
BM 1793
BM 1946
BM 2028
JEEP
TRAIL
Ensinger Butte
MIDWAY 2
MIDWAY 5
Mossback Mine
FB Mossback
Grapevine
Silver Creek Spring
Spring
HEILA