60001356

Mining District File Summary Sheet

DISTRICT	Rosebud
DIST_NO	4010
COUNTY If different from written on document	Pershing
TITLE If not obvious	Rosebud Drill Hole File - Hole No. RL-127-C
AUTHOR	C Walck; N. Breur; K. Tullar; J. Gaije
DATE OF DOC(S)	1990
MULTI_DIST Y / (N?) Additional Dist_Nos:	
QUAD_NAME	Sulphur 7.5'
P_M_C_NAME (mine, claim & company names)	Rosebud Mine; Rosebud Project; Coates Drilling Lac Minerals (USA), Inc
COMMODITY If not obvious	gold silver
NOTES	Drill log; geology; assay; total depth 611'; handwritten notes; correspondence 25p.

Keep docs at about 250 pages if no oversized maps attached
(for every 1 oversized page (>11x17) with text reduce
the amount of pages by ~25)

	Initials	Date
SS:	DD	5/20/08
DB:	MAA	
SCANNED:		

Revised: 1/22/08

DRILL LOGS
ROSEBUD
RL-127-C

60001356 4010 ✓

6000 1356

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

DRILL LOG SUMMARY SHEET

PROJECT Rosebud

HOLE NUMBER RL-127 TOTAL DEPTH 610.5 LOGGED BY NHB/CMW

Date started 10-09-90

Date completed 10-11-90

Initial bearing S55E

Initial inclination -60°

Elevation ~~5295~~ 5259.1

Collar coordinates:

N 2203559.0

E 481420.5

Contractor: Coates

Drill Type: UDR 650

Hole Size: RC → 300' / HQ

Drilling Conditions:

Footage: Wet / Dry RC to 300'

HmQ to 610'

Comments:

DOWN HOLE SURVEY INFORMATION

0 50 -60 S55E

FROM	TO	SURVEY POINT	INCLI-NATION	BEARING	X (Northing)	Y (Easting)	Z (Elevation)
50	201	100'	-59.5	S55E			
201	401	302	-62	S53E			
401	556	502	-62	S55E			
556	610	610	-62	S55E			

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

FINE-GRAINED TUFF
LITHIC LAPILLI TUFF

ARGILLIC
XX SILICIFICATION
OX OXIDIZED
XXXXXX DRUZY QUARTZ
XC CHALCEDONIC QUARTZ
XK STOCKWORK QUARTZ
P P P PROPYLITIZATION
Ca CALCITE

DRILL HOLE RL-127

Page 1 of ____

LOGGED BY NHR

	LITH.	ALT.	% ARG. ALT. W	M	S	% SIL'N W	M	S	COLOR	% FeOx W	M	S	% SULF.	COMMENTS	Au	Ag	CHECK	% WASH RECOV.
	O/B	X				X	X		grey tan lavender					0-5? overburden; dozer fill? mixed ox tan-grey fgt	.002	<		
05		Xx+ XX m	X			X	X		tan + grey	X				5?-30' mod. sild & local prbxd fgt: ± few % mm-scale qtz vnlts	.002	.12		
10						X	X			X					.004	.19		
15						X	X			X				This could all be O/B considering pad location.	.004	.11		
20			X			X	X			X	X				.002	<		
25			X			X	X			X	X				.002	.18		
30	tl	~~s	X	X		X				X				30-60' grey-white-pale grn. clay v. strg. arg. alt'd & textureless	.001	<		
35		~~s	X	X	X					X					.007	<		
40		~~s	X	X	X				yellow-grey	X					.001	<		
45		~~s	X	X	X					X					<	<		
50		~~s	X	X	X					X					.001	.13		
55		~~s	X	X	X				grey-grn	(X)					.001	<		
60	✓ ✓?	~~m	X	X						(X)				60-145' becomes more pale green and gradually less argillized; protolith uncertain but poss. fine ltt texture esp @ ~85-95' still has wk feox yellow - contam?	.002	<		
65	✓ ✓?		X	X						(X)					.001	.15		
70	✓ ✓?		X	X						(X)					<	.16		
75	✓ ✓?		X	X						(X)					.001	<		
80	✓ ✓?		X	X						(X)					<	.12		
85	✓ ✓		X	X						(X)					.001	<		
90	✓ ✓		X	X						(X)					.001	<		
95	✓ ✓		X	X						(X)					.001	<		
100																		

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

FINE-GRAINED TUFF
LITHIC LAPILLI TUFF

ARGILLIC
XX SILICIFICATION
OX OXIDIZED
XXXXXX DRUZY QUARTZ
XC CHALCEDONIC QUARTZ
XK STOCKWORK QUARTZ
P P P PROPYLITIZATION
Ca CALCITE

DRILL HOLE RL-127
Page 2 of ____
LOGGED BY NHB

	LITH.	ALT.	% ARG. ALT. W	M	S	% SIL'N W	M	S	COLOR	% FeOx W	M	S	% SULF.	COMMENTS	Au	Ag	CHECK	% WASH RECOV.
	✓✓ ✓✓	~~ m-s	X	X					grey grn + yell	?				-145': as above lgly mod-str. argillized soft grey green (yellow) llt? (Probably Bud)	.002	L		
105			X	X						?					.002			
110			X	X						?					.001			
115			X	X						X					.002			
120			X	X						X					.002			
125			X	X					+ Tan	X	X			← Tan FeOx ↑	.002			
130			X	X						X					.001			
135			X	X						X					.002			
140			X	X						X	OX				.002			
145	✓✓ ✓✓	~~ m-s	X	X					grey green	RE			tr-1	145-200' Becomes mostly green to dk green llt (Bud) but still mod clay altered.	.002			
150			X	X											.001			
155			X	X											.002			
160			X	X											L			
165			X	X											L			
170			X	X											L			
175			X	X											L			
180			X	X											L			
185			X	X											.001			
190			X	X											L			
195			X	X											L			
200																		

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

FINE-GRAINED TUFF
LITHIC LAPILLI TUFF

ARGILLIC
XX SILICIFICATION
OX OXIDIZED
XXX DRUZY QUARTZ
XC CHALCEDONIC QUARTZ
XK STOCKWORK QUARTZ
P P P PROPYLITIZATION
Ca CALCITE

DRILL HOLE RL-127

Page 3 of ____

LOGGED BY NHB

	LITH.	ALT.	% ARG. ALT. W	M	S	% SIL'N W	M	S	COLOR	% FeOx W	M	S	% SULF.	COMMENTS	Au	Ag	CHECK	% WASH RECOV.
	V V V V	~ ~w+m	X						green				tr-1	200-300' as above but mostly less clay alt'd w/ darker green color PROB. ALL BUD	L	L		
205			X															
210			X															
215			X															
220			X															
225			X															
230			X															
235			X															
240			X															
245			X															
250			X															
255		↓	X															
260		~ ~m	X	X										255-275': clay ↑				
265		~ ~m	X	X											↓			
270		~ ~m	X	X									↓		.005			
275		~ M+XK	X	X		X							2-3	← Py incr (vng)	.001			
280		~ W+XK	X			X							2-3	275-300': py ± gtz vng incr	L			
285		↓	X			X							↓		.001			
290		~ m-s	X	X	X									← ± sh. clay	.002			
295		~ W+XK	X			X									.001			
300	↓	↓	X			X			↓				↓	← ± gtz-py vein	.002	↓		
														END RC portion				

HOLE # RL-127 LOGGED BY CM Walck DATE 11-90 PAGE 1 OF 5

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERAL-IZATION	GRAPHIC LOG	ALTER.	DESCRIPTION	ASSAYS: Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
300	135	Wisps at 45° to c.a.	None	None			0-300 R.C.						
	93						300 ~ 385 Med blue-green BUD wispy lithic lapilli tuff. Matrix supported, w/ ~ 20% lt green-grey clasts, avg 3mm - 1½cm; bedded & somewhat sorted. Matrix contains ~ 30% slightly darker wisps (flattened pumice?) avg ⅛" wide, ½" long, aligned at ~50° to c.a.						
310							Minor (<1%) ⅛"-¼" spots fgr. py.						
	94						No veining above 335; below 335 see minor white kaol+Mc vnlts & a minor py+qtz vnlts (⅛" wide, 2/ft)						
320							354-385 less wispy, less bedded & more lg clasts (1-2")						
	95						380-385 more bleached & broken up, +kaol vnlts						
330													
	98												
			Minor vnlts	Kaol + Mc & Py + Qtz									
340													
	100												
350													
	95												
		Bedded at ~ 40-50° to c.a.											
360	94												
370													

HOLE # RL-127 LOGGED BY _____ DATE _____ PAGE 2 OF 5

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERAL-IZATION	GRAPHIC LOG	ALTER.
380	100	Rough Bedded at 40-50° to c.a.	Minor vnlts	Kaol + Mc, and Py± Qtz		
	100	None				
390	101					
400	100		Str. crackle bx'n & Mc vnlts			Mod Arg
	100		Mod vnlts & Spiderwebs of fracts			
410	100					
420	100		Weak vnlts & spiderwebs of fracts			W-M bleached
430	100					
440						

DESCRIPTION

385-529 Med green finely mottled f.-gr. tuffs. Locally bleached & altered

385-399: minor py & Kaol + Mc vnlts (1/8" wide, 2/ft), med green color, Can scratch w/ platic ruler

399-412: Strong crackle bx'n, bleached/arg to pale blue-green color w/ dk green along abt thin fractures/cracks; Can scratch easily w/ fingernail

Weak Kaol ± py/Mc and py + qtz vnlts 1/8", 3-4/ft.

412-424: fine dense 'spiderweb' network of fractures. Med-blue-green w/ grey or med-dk green along thin fracts giving overall mottled texture/appearance.

Mod veining: 4-7/ft, 1/8" wide; Kaol ± py & py + qtz.

424-441: Same as above but bleached to light grey-green color & only weakly veined 2-3/ft, 1/8" wide; py + qtz minor Kaol ± py.

441-461: lt green-grey f.gr. ø tuff; tiny (1/4mm) dk green phenos. fairly hard. Weakly veined (1/ft) Kaol + Mc, minor py + qtz, few thin fracts w/ dk green Moderately broken up into 1" - to" ~~pcs~~ angular pieces of core.

Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
385					
390				.01	<
396				.004	<
401				.003	<
407				.008	<
412				.011	.19
417				.004	.18
422				.006	<
427				.005	.11
432				.004	.17
437				.002	<
442				.002	.35

HOLE # RC-127 LOGGED BY _____ DATE _____ PAGE 3 OF 5

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERALIZATION	GRAPHIC LOG	ALTER.
450	102	None	WK vnlts, core broken up	Kaol + Mc ± py + Qtz		
	99					
460	99		Crackle bx'd ⊥ Minor vnlts ⊥ local bx'n & WK vnlts	py + Qtz & Kaol + Mc		
470	96					
480	100		M-Str veined & crackle bx'd	Abt py + qtz & Kaol		Mod Arg. ⊥
490	99		WK vnlts rubble	Kaol ± py & py + qtz		
500	110		WK vnlts			
	96					
510			mod vnlts			Mod Arg

DESCRIPTION

385- cont.

461-

461-467: lt-med blue green, crackle bx'd w/ dk green d'chlor?, py + qtz & Kaol ± py along thin fractures.

467-470: f.gn. finely mottled lt-med blue-green. Minor py + qtz ± kaol vnlts

470-488: f.gn. mottled med blue green tuff, locally bx'd, clast supported rotated clast & vein bx'n, matrix is med-dk purple-grey color. Wk Kaol ± py & py + qtz vnlts, (2/ft, 1/16" - 1/8" wide)
locally rubbly: 481-481.5, 484.5-485, 485.5-488

488-492: Argillized mod-str veined crackle bx'd lt-med blue-green fine grained tuff. Easily scratched by fingernail. Abt py + qtz, & Kaol stringers & vnlts (1/16" - 1/4" wide, >10/ft)

492-508: finely mottled to spiderweb of very thin fractures - dark green on lt-med green f.gn. tuff. Weakly veined Kaol ± py & py + qtz

clayey rubble 495-497

ASSAYS

Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
447				.001	.35
452				<	.11
457				.007	<
462				.004	.37
467				.006	.41
472				.005	.21
477				.009	<
482				.004	<
487				.006	<
492				.02	.1
497				.005	<
502				.005	<
502-507	507			.055	.7
507-512	512			.462	3.08

HOLE # RL-127 LOGGED BY CMW DATE 11-90 PAGE 4 OF 5

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERALIZATION	GRAPHIC LOG	ALTER.	DESCRIPTION	ASSAYS: Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
520	99	None	Mod vnlts	Kaol, 4 py+ qtz		M-Str Arg	385 ~ 529 cont.						
			Mod vnlts	Kaol ± py & py+ qtz		Mod Arg	508 - 513 Med blue green, easily scratched by fingernail, mod vnlts: abt white kaol (1/8", 6-8/ft) & some py+qtz finely mottled w/ dk green	517				.058	.51
	89						513 - 529 Finely mottled - tiny spots dk green (< 1/4mm, ~15%) in lt blue-green background; mod arg - can barely scratch w/ fingernail. Mod. veined: 4-6/ft, 1/8" - 1/4" wide, white kaol ± py, & py+qtz	522				.014	.33
								526				.033	4.96
530	98		rubble fault	Kaol +Mc		Str Arg		533				.010	2.64
			Mod-abt vnlts	Kaol ± Py & py+qtz		Mod Arg							
	84		mod-abt vnlts/ crackle bxa	Kaol+ qtz & py+ qtz		bleached ?	529 - 531 Med blue green clay & clayey rubble, can see remnants of white kaol + Mc vnlts	539				.011	.24
540	102		clay gouge	calcite veins		Str Arg	531 - 533 lt blue-green fgt, mod arg. (can scratch w/ fingernail) abt vnlts (>10/ft, 1/8" wide) kaol ± py & minor py+qtz	542				.122	1.96
			fault zone - silic			silic		546				.007	.36
	111							556				.005	.31
550	102						533 - 539 med flesh w/ very tiny dk speckles/phenos (< 1/8 mm) strongly crackle bx'd - 1/8" - 1/4" veinlets along crackle fractures - mostly white kaol+qtz - milky white, hardness between the 2. Also dk green chlor? & minor qtz+py.	555				.014	.27
			minor vnlts	minor py+ qtz		fresh		559.5				.002	<
560	92		None	None			539 - 542 Med blue-green clay / gouge.	564.5				.001	.21
							542 - 557 fault zone:	569.5				<	<
570	100						542 - 546 flesh, str crackle bx'd fgt w/ qtz+ kaol ± py matrix	574.5				.001	.21
580	78						546 - 557 subang tan & green clasts floating in pale green siliceous matrix w/ local clay-rubble zones & local 3" - 6" calcite veins.	579.5				.001	.19

HOLE # RL-127 LOGGED BY C.MW. DATE 11-90 PAGE 5 OF 5

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERAL-IZATION	GRAPHIC LOG	ALTER.	DESCRIPTION	ASSAYS: Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
	98	None	None	None		fresh	557-610.5 T.D. Dozer / Sage-green tuff, f. gr.						
590	102						lt med grey-green / sage green tuff. Rare veinlets in 1st 2'	586				<	.10
							557-559 is weakly crackele bx'd w/ minor py + qtz vnlts	594				<	.24
600	96						Rest is competent, 'fresh' Dozer.	599				<	.24
								605				<	.10
610 T.D.								610.5				<	.11

HOLE # [illegible] RL127 LOGGED BY CMW DATE 11-90 PAGE 4 OF 5

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERIZATION	GRAPHIC LOG	ALTER.
	79	None	Mod vnlts	Kaol, + py + qtz		M-Str Arg
			Mod vnlts	Kaol ± py + py + qtz		Mod Arg
520	89					
530	78		rubble fault	Kaol + Mc		Str Arg
			Mod-abt vnlts	Kaol ± py + py + qtz		Mod Arg
	84		Mod = abt vnlts / crackl. bxa	Kaol + qtz + py + qtz		bleached ?
540	102		clay gouge	calcite veins		Str Arg
			fault zone silic			silic
	111					
550	102					
			minor vnlts	minor py + qtz		fresh
560	92		None	None		
570	100					
580	78					

DESCRIPTION

385 ~ 529 cont.

S08 - S13 Med blue green, easily scratched by fingernail, mod vnlts: abt white kaol (1/8", 6-8/ft) + some py + qtz finely mottled w/ dk green

S13 - 529 Finely mottled - tiny spots dk green (< 1/4mm, ~15%) in lt blue-green background; mod arg - can barely scratch w/ fingernail. Mod. veined: 4-6/ft, 1/8"-1/4" wide, white kaol ± py, + py + qtz

S29 - S31 Med blue green clay + clayey rubble, can see remnants of white kaol + Mc vnlts

S31 - S33 lt blue-green fgt, mod arg (can scratch w/ fingernail) abt vnlts (>10/ft, 1/8" wide) Kaol ± py + minor py + qtz

S33 - S39 med flesh w/ very tiny dk speckles/phenos (< 1/8 mm) strongly crackle bx'd - 1/8"-1/4" veinlets along crackle fractures - mostly white kaol + qtz - milky white, hardness between the 2. Also dk green ¿chlor? + minor qtz + py.

S39 - S42 Med blue-green clay / gouge.

S42 - S57 fault zone:

S42 - S46 flesh, str crackle bx'd fgt w/ qtz + kaol ± py matrix

S46 - S57 subang tan + green clasts floating in pale green siliceous matrix w/ local clay-rubble zones + local 3"-6" calcite veins.

ASSAYS

Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
517				.058	.51
522				.014	.33
526				.033	4.96
533				.070	2.64
539				.011	.24
542				.122	1.76
546				.007	.36
550				.005	.31
555				.014	.27
559.5				.002	<
564.5				.001	.21
569.5				<	<
574.5				.001	.21
[illegible]				.001	.19

HOLE # [illegible] LOGGED BY [illegible] DATE [illegible] PAGE [illegible] OF [illegible]

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERALIZATION	GRAPHIC LOG	ALTER.
	98	None	None	None		fresh
590	102					
600	96					
610 T.D.						

DESCRIPTION

557-610.5 T.D. Dozer / Sage-green tuff, f.g.,
Dk red gray-green / sage green tuff. Rare veinlets in 1st 2'
557-559 is weakly crackle bx'd w/ minor py + qtz vnlts
Rest is competent, 'fresh' Dozer.

ASSAYS

Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
586				<	.10
594				<	.24
599				<	.24
605				<	.10
610.5				<	.11

RL 127

Sample Recovered	% Rec
300-302	2.6/2
302-312	93%
312-322	94%
322-332	95%
332-342	98%
342-352	100%
352-362	95%
362-372	94%
372-382	106%
382-392 (8.3)	100
392-402	101
402-412	100
412-422	100
422-432	100
432-442	100
442-452	102
452-462	99
462-472	99
472-482 (7.7)	96
482-492	100
492-499	6.9/7 99
499-502	3.3/3 110
502-512 (9.8)	96%
512-522	99
522-529	6.2/7 89
529-535	5.9/6 98
535-540	4.2/5 84
540-546	6.1/6 102
546-549.5	3.9/3.5 111
549.5-559.5	~~6.9/10 69~~ 16.2/10 102
559.5-569.5 (9.6)	92
569.5-579.5	100
579.5-590 (9.1)	10.3/10.5 98
590-600	102
600-619.5	10.1/10.5 96

Sample Intv	
split	385-390
	390-396
	396-402
Cut ~~Split~~	402-407
	407-412
	412-417
	417-422
	422-427
	427-432
	432-437
	437-442
	442-447
	447-452
	452-457
	457-462
	462-467
	467-472
	472-477
	477-482
	482-487
	487-492
	492-497
	497-502
	502-507
	507-512
	512-517
	517-522
	522-526
	526-533
	533-539
	539-542
	542-546
	546-550
	550-555
	555-559.5
	559.5-564.5
	564.5-569.5
	569.5-574
split	574-579.5
	579.5-585
split	585-594
	594-602
	602-610.5

Lithology

300-380

Green unsorted wispy lithic lapilli tuff (Bud)

380 ≈ 533

f.gr. green tuff locally argillized, minor veining. Hot thin fracts w dk green chlor? Local bx'n

533 — 559

fault zone argillized pubble y goo + calcite cemented bxa

559 — 610.5 T.D.

f.gr. green tuff (Dozer)

RL-127
Additional Samples:

300-305
305-310
310-315
315-320
320-325
325-330
330-335
335-340
340-345
345-350
350-355
355-360
360-365
365-370
370-375
375-380
380-385

To: Nate Brewer
Lac
FAX No.
Phone:

Nevada GSI, Inc.
1498 Kleppe Lane
Sparks, NV 89431
FAX 702/359-6605
Ph: 702/359-6600

Pages including Cover 3

Subject Report job LOA58655 Date 10-25-90

Message:

signed

NEVADA GSI, INC.

GEOCHEMICAL ANALYSIS REPORT

No.	Sample Id	Au opt	Ag opt
1	RL-127 0 - 5	.0020	-.1000
2	P-86	.0300	.1500
3	RL-127 5 - 10	.0020	.1200
4	RL-127 10 - 15	.0040	.1900
5	RL-127 15 - 20	.0040	.1100
6	RL-127 20 - 25	.0020	-.1000
7	RL-127 25 - 30	.0020	.1800
8	RL-127 30 - 35	.0010	-.1000
9	RL-127 35 - 40	.0070	-.1000
10	RL-127 40 - 45	.0010	-.1000
11	RL-127 45 - 50	-.0010	-.1000
12	RL-127 50 - 55	.0010	.1300
13	RL-127 55 - 60	.0010	-.1000
14	RL-127 60 - 65	.0020	-.1000
15	RL-127 65 - 70	.0010	.1500
16	RL-127 70 - 75	-.0010	.1600
17	RL-127 75 - 80	.0010	-.1000
18	RL-127 80 - 85	-.0010	.1200
19	RL-127 85 - 90	.0010	-.1000
20	RL-127 90 - 95	.0010	-.1000
21	RL-127 95 - 100	.0010	-.1000
22	P-87	-.0010	-.1000
23	RL-127 100 - 105	.0020	-.1000
24	RL-127 105 - 110	.0020	-.1000
25	RL-127 110 - 115	.0010	-.1000
26	RL-127 115 - 120	.0020	-.1000
27	RL-127 120 - 125	.0020	-.1000
28	RL-127 125 - 130	.0020	-.1000
29	RL-127 130 - 135	.0010	-.1000
30	RL-127 135 - 140	.0020	-.1000
31	RL-127 140 - 145	.0020	-.1000
32	RL-127 145 - 150	.0020	-.1000
33	RL-127 150 - 155	.0010	-.1000
34	RL-127 155 - 160	.0020	-.1000
35	RL-127 160 - 165	-.0010	-.1000
36	RL-127 165 - 170	-.0010	-.1000
37	RL-127 170 - 175	-.0010	-.1000
38	RL-127 175 - 180	-.0010	-.1000
39	RL-127 180 - 185	-.0010	-.1000
40	RL-127 185 - 190	.0010	-.1000
41	RL-127 190 - 195	-.0010	-.1000
42	P-88	.0500	-.1000
43	RL-127 195 - 200	-.0010	-.1000
44	RL-127 200 - 205	-.0010	-.1000
45	RL-127 205 - 210	-.0010	-.1000
46	RL-127 210 - 215	-.0010	-.1000
47	RL-127 215 - 220	-.0010	-.1000
48	RL-127 220 - 225	-.0010	-.1000
49	RL-127 225 - 230	-.0010	-.1000
50	RL-127 230 - 235	-.0010	-.1000

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NEVADA GSI, INC.

GEOCHEMICAL ANALYSIS REPORT

No.	Sample Id	Au opt	Ag opt
51	RL-127 235 - 240	-.0010	-.1000
52	RL-127 240 - 245	-.0010	-.1000
53	RL-127 245 - 250	-.0010	-.1000
54	RL-127 250 - 255	-.0010	-.1000
55	RL-127 255 - 260	-.0010	-.1000
56	RL-127 260 - 265	-.0010	-.1000
57	RL-127 265 - 270	.0050	-.1000
58	RL-127 270 - 275	.0010	-.1000
59	RL-127 275 - 280	-.0010	-.1000
60	RL-127 280 - 285	.0010	-.1000
61	RL-127 285 - 290	.0020	-.1000
62	P-89	.0200	-.1000
63	RL-127 290 - 295	.0010	-.1000
64	RL-127 295 - 300	.0020	-.1000

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NEVADA GSI, INC.

GEOCHEMICAL ANALYSIS REPORT

No.	Sample Id	Au opt	Ag opt
1	RL-127 0 - 5	.0020	-.1000
2	P-86	.0300	.1500
3	RL-127 5 - 10	.0020	.1200
4	RL-127 10 - 15	.0040	.1900
5	RL-127 15 - 20	.0040	.1100
6	RL-127 20 - 25	.0020	-.1000
7	RL-127 25 - 30	.0020	.1800
8	RL-127 30 - 35	.0010	-.1000
9	RL-127 35 - 40	.0070	-.1000
10	RL-127 40 - 45	.0010	-.1000
11	RL-127 45 - 50	-.0010	-.1000
12	RL-127 50 - 55	.0010	.1300
13	RL-127 55 - 60	.0010	-.1000
14	RL-127 60 - 65	.0020	-.1000
15	RL-127 65 - 70	.0010	.1500
16	RL-127 70 - 75	-.0010	.1600
17	RL-127 75 - 80	.0010	-.1000
18	RL-127 80 - 85	-.0010	.1200
19	RL-127 85 - 90	.0010	-.1000
20	RL-127 90 - 95	.0010	-.1000
21	RL-127 95 - 100	.0010	-.1000
22	P-87	-.0010	-.1000
23	RL-127 100 - 105	.0020	-.1000
24	RL-127 105 - 110	.0020	-.1000
25	RL-127 110 - 115	.0010	-.1000
26	RL-127 115 - 120	.0020	-.1000
27	RL-127 120 - 125	.0020	-.1000
28	RL-127 125 - 130	.0020	-.1000
29	RL-127 130 - 135	.0010	-.1000
30	RL-127 135 - 140	.0020	-.1000
31	RL-127 140 - 145	.0020	-.1000
32	RL-127 145 - 150	.0020	-.1000
33	RL-127 150 - 155	.0010	-.1000
34	RL-127 155 - 160	.0020	-.1000
35	RL-127 160 - 165	-.0010	-.1000
36	RL-127 165 - 170	-.0010	-.1000
37	RL-127 170 - 175	-.0010	-.1000
38	RL-127 175 - 180	-.0010	-.1000
39	RL-127 180 - 185	-.0010	-.1000
40	RL-127 185 - 190	.0010	-.1000
41	RL-127 190 - 195	-.0010	-.1000
42	P-88	.0500	-.1000
43	RL-127 195 - 200	-.0010	-.1000
44	RL-127 200 - 205	-.0010	-.1000
45	RL-127 205 - 210	-.0010	-.1000
46	RL-127 210 - 215	-.0010	-.1000
47	RL-127 215 - 220	-.0010	-.1000
48	RL-127 220 - 225	-.0010	-.1000
49	RL-127 225 - 230	-.0010	-.1000
50	RL-127 230 - 235	-.0010	-.1000

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52	RL-127 240 - 245	-.0010	-.1000
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54	RL-127 250 - 255	-.0010	-.1000
55	RL-127 255 - 260	-.0010	-.1000
56	RL-127 260 - 265	-.0010	-.1000
57	RL-127 265 - 270	.0050	-.1000
58	RL-127 270 - 275	.0010	-.1000
59	RL-127 275 - 280	-.0010	-.1000
60	RL-127 280 - 285	.0010	-.1000
61	RL-127 285 - 290	.0020	-.1000
62	P-89	.0200	-.1000
63	RL-127 290 - 295	.0010	-.1000
64	RL-127 295 - 300	.0020	-.1000

NEVADA GSI, INC.

GEOCHEMICAL ANALYSIS REPORT

Date: October 25 1990
Project: URBD
P.O. #:
Job Number: LOAS8655

Geologist: Mr. Nate Brewer
Copies To: Mr. Ken Tullar
Company: Lac Minerals
Analysis: FA2/AA

This report has been reviewed and approved by:

Jerry Gaige, Production Manager

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NEVADA GSI, INC.

GEOCHEMICAL ANALYSIS REPORT

Job No.: L0AS8673

No.	Sample Id	Au opt	Ag opt
1	RL-127 385-390	.0100	-.1000
2	P-92	.0330	.2100
3	RL-127 390-396	.0040	-.1000
4	RL-127 396-402	.0030	-.1000
5	RL-127 402-407	.0080	-.1000
6	RL-127 407-412	.0110	.1900
7	RL-127 412-417	.0040	.1800
8	RL-127 417-422	.0060	-.1000
9	RL-127 422-427	.0050	.1100
10	RL-127 427-432	.0040	.1700
11	RL-127 432-437	.0020	-.1000
12	RL-127 437-442	.0020	.3500
13	RL-127 442-447	.0010	.3500
14	RL-127 447-452	-.0010	.1100
15	RL-127 452-457	.0070	-.1000
16	RL-127 457-462	.0040	.3700
17	RL-127 462-467	.0060	.4100
18	RL-127 467-472	.0050	.2100
19	RL-127 472-477	.0090	-.1000
20	RL-127 477-482	.0040	-.1000
21	RL-127 482-487	.0060	-.1000
22	P-93	.0570	-.1000
23	RL-127 487-492	.0200	.1000
24	RL-127 492-497	.0050	-.1000
25	RL-127 497-502	.0050	-.1000

Missing 502-507
507-512

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TOTAL P.01

NEVADA GSI, INC.

GEOCHEMICAL ANALYSIS REPORT

No.	Sample Id	Au opt	Ag opt
1	RL-127 0 - 5	.0020	-.1000
2	P-86	.0300	.1500
3	RL-127 5 - 10	.0020	.1200
4	RL-127 10 - 15	.0040	.1900
5	RL-127 15 - 20	.0040	.1100
6	RL-127 20 - 25	.0020	-.1000
7	RL-127 25 - 30	.0020	.1800
8	RL-127 30 - 35	.0010	-.1000
9	RL-127 35 - 40	.0070	-.1000
10	RL-127 40 - 45	.0010	-.1000
11	RL-127 45 - 50	-.0010	-.1000
12	RL-127 50 - 55	.0010	.1300
13	RL-127 55 - 60	.0010	-.1000
14	RL-127 60 - 65	.0020	-.1000
15	RL-127 65 - 70	.0010	.1500
16	RL-127 70 - 75	-.0010	.1600
17	RL-127 75 - 80	.0010	-.1000
18	RL-127 80 - 85	-.0010	.1200
19	RL-127 85 - 90	.0010	-.1000
20	RL-127 90 - 95	.0010	-.1000
21	RL-127 95 - 100	.0010	-.1000
22	P-87	-.0010	-.1000
23	RL-127 100 - 105	.0020	-.1000
24	RL-127 105 - 110	.0020	-.1000
25	RL-127 110 - 115	.0010	-.1000
26	RL-127 115 - 120	.0020	-.1000
27	RL-127 120 - 125	.0020	-.1000
28	RL-127 125 - 130	.0020	-.1000
29	RL-127 130 - 135	.0010	-.1000
30	RL-127 135 - 140	.0020	-.1000
31	RL-127 140 - 145	.0020	-.1000
32	RL-127 145 - 150	.0020	-.1000
33	RL-127 150 - 155	.0010	-.1000
34	RL-127 155 - 160	.0020	-.1000
35	RL-127 160 - 165	-.0010	-.1000
36	RL-127 165 - 170	-.0010	-.1000
37	RL-127 170 - 175	-.0010	-.1000
38	RL-127 175 - 180	-.0010	-.1000
39	RL-127 180 - 185	-.0010	-.1000
40	RL-127 185 - 190	.0010	-.1000
41	RL-127 190 - 195	-.0010	-.1000
42	P-88	.0500	-.1000
43	RL-127 195 - 200	-.0010	-.1000
44	RL-127 200 - 205	-.0010	-.1000
45	RL-127 205 - 210	-.0010	-.1000
46	RL-127 210 - 215	-.0010	-.1000
47	RL-127 215 - 220	-.0010	-.1000
48	RL-127 220 - 225	-.0010	-.1000
49	RL-127 225 - 230	-.0010	-.1000
50	RL-127 230 - 235	-.0010	-.1000

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GEOCHEMICAL ANALYSIS REPORT

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54	RL-127 250 - 255	-.0010	-.1000
55	RL-127 255 - 260	-.0010	-.1000
56	RL-127 260 - 265	-.0010	-.1000
57	RL-127 265 - 270	.0050	-.1000
58	RL-127 270 - 275	.0010	-.1000
59	RL-127 275 - 280	-.0010	-.1000
60	RL-127 280 - 285	.0010	-.1000
61	RL-127 285 - 290	.0020	-.1000
62	P-89	.0200	-.1000
63	RL-127 290 - 295	.0010	-.1000
64	RL-127 295 - 300	.0020	-.1000

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NEVADA GSI, INC.

GEOCHEMICAL ANALYSIS REPORT

Job No.: LOAS8673

No.	Sample Id	Au opt	Ag opt
1	RL-127 385-390	.0100	-.1000
2	P-92	.0330	.2100
3	RL-127 390-396	.0040	-.1000
4	RL-127 396-402	.0030	-.1000
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6	RL-127 407-412	.0110	.1900
7	RL-127 412-417	.0040	.1800
8	RL-127 417-422	.0060	-.1000
9	RL-127 422-427	.0050	.1100
10	RL-127 427-432	.0040	.1700
11	RL-127 432-437	.0020	-.1000
12	RL-127 437-442	.0020	.3500
13	RL-127 442-447	.0010	.3500
14	RL-127 447-452	-.0010	.1100
15	RL-127 452-457	.0070	-.1000
16	RL-127 457-462	.0040	.3700
17	RL-127 462-467	.0060	.4100
18	RL-127 467-472	.0050	.2100
19	RL-127 472-477	.0090	-.1000
20	RL-127 477-482	.0040	-.1000
21	RL-127 482-487	.0060	-.1000
22	P-93	.0570	-.1000
23	RL-127 487-492	.0200	.1000
24	RL-127 492-497	.0050	-.1000
25	RL-127 497-502	.0050	-.1000

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NEVADA GSI, INC.

GEOCHEMICAL ANALYSIS REPORT

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No.	Sample Id	Au opt	Ag opt
1	RL-127 385-390	.0100	-.1000
2	P-92	.0330	.2100
3	RL-127 390-396	.0040	-.1000
4	RL-127 396-402	.0030	-.1000
5	RL-127 402-407	.0080	-.1000
6	RL-127 407-412	.0110	.1900
7	RL-127 412-417	.0040	.1800
8	RL-127 417-422	.0060	-.1000
9	RL-127 422-427	.0050	.1100
10	RL-127 427-432	.0040	.1700
11	RL-127 432-437	.0020	-.1000
12	RL-127 437-442	.0020	.3500
13	RL-127 442-447	.0010	.3500
14	RL-127 447-452	-.0010	.1100
15	RL-127 452-457	.0070	-.1000
16	RL-127 457-462	.0040	.3700
17	RL-127 462-467	.0060	.4100
18	RL-127 467-472	.0050	.2100
19	RL-127 472-477	.0090	-.1000
20	RL-127 477-482	.0040	-.1000
21	RL-127 482-487	.0060	-.1000
22	P-93	.0570	-.1000
23	RL-127 487-492	.0200	.1000
24	RL-127 492-497	.0050	-.1000
25	RL-127 497-502	.0050	-.1000
26	RL-127 502-507	.0550	.7000
27	RL-127 507-512	.4020	3.0800

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NEVADA GSI, INC.

GEOCHEMICAL ANALYSIS REPORT

Job No.: LOAS8690

No.	Sample Id	Au opt	Ag opt
1	RL-127 512-517	.0580	.5100
2	P-60	.0160	.1000
3	RL-127 517-522	.0140	.3300
4	RL-127 522-526	.0330	4.9600
5	RL-127 526-533	.0700	2.6400
6	RL-127 533-539	.0110	.2400
7	RL-127 539-542	.1220	1.9600
8	RL-127 542-546	.0070	.3600
9	RL-127 546-550	.0050	.3100
10	RL-127 550-555	.0140	.2700
11	RL-127 555-559.5	.0020	-.1000
12	RL-127 559.5-564.5	.0010	.2100
13	RL-127 564.5-569.5	-.0010	-.1000
14	RL-127 569.5-574.5	.0010	.2100
15	RL-127 574.5-579.5	.0010	.1900
16	RL-127 579.5-586	-.0010	.1000
17	RL-127 586-594	-.0010	.2400
18	RL-127 594-599	-.0010	.2400
19	RL-127 599-605	-.0010	-.1000
20	RL-127 605-610.5	-.0010	.1100
21	P-61	.0780	.1000

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RL 127 Summary Log

0-300: RC

300-385 Blue-green wispy bedded Bud lit

385-529 finely mottled various shades of green fgr. tuff locally bleached / alt'd / veined:
- 399-412: str crackle bx'n, mod arg., wk karst Mclpy & py+qtz vnlts
- 470-488: locally bx'd (healed vein bx'as) & locally rubbly
- 488-492 Mod arg, M-str veined & crackle bx'd; dst py+qtz & kaol stringers/vnlts
- 508-513 M-Str arg, mod vnlts
- 513-529 Mod arg, mod vnlts

529-531 Blue green clay & rubble

531-533 Mod arg blue-green fgt w/ alt vnlts kaol+py & some py+qtz

533-539 Mod flesh fgt strong crackle bx'n w/ veinlets along fracts - mostly white kaol+qtz also dk green c/chlor? & minor qtz+py

539-542 Blue-green clay /gouge

542-557 Fault zone, silicified matrix supported w/ local clay-rubble zones

557-610.5 T.D. Dozer tuff, 'fresh'

RC Chips

0-30 Overburden

30-65 milky white fgt, 'sugary', m-str arg, ± FeO x stain

65-115 pale dull green fgt, 'sugary', few white arg c/plag? phenos, ± pale clay

115-145 med green 'sugary' lit mrg white spots/lapilli - BUD? or C2C?

145-300 dk green w/ irreg shaped white spots/lapilli BUD lit

150-160 more clay alt'd