60001329

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-96
AUTHOR	N. Brewer; K. Tullar; R. Grondin
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 1192'; handwritten notes 35p.

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)

SS: DD 5/19/08
Initials Date
DB: mah
Initials Date
SCANNED:
Initials Date

Revised: 1/22/08

DRILL LOGS RL-96

ROSEBUD

60001328 4010

60001329

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

DRILL LOG SUMMARY SHEET

PROJECT Rossbud

HOLE NUMBER RL-96 TOTAL DEPTH 1192' LOGGED BY Dan/Kent

Date started 6-29-90

Date completed 7-2-90

Initial bearing S 55E

Initial inclination -60°

Elevation 5279.4

Collar coordinates:

N 2204978.0

E 482202.5

Contractor: Coates

Drill Type: HDR

Hole Size:

Drilling Conditions:

Footage: Wet / Dry 465 Rc

Comments:

DOWN HOLE SURVEY INFORMATION

FROM	TO	SURVEY POINT	INCLINATION	BEARING	X (Northing)	Y (Easting)	Z (Elevation)
0	50		-60	S 55E			
50	200	100	-59.5	S 62.5E			
200	400	300	-60	S 63.5E			
400	600	500	-56	S 57E			
600	800	700	-56	S 57E			
800	1001	900	-54.5	S 64E			
1001	1147	1102	-53	S 62E			
1147	1192	1192	-52.5	S 61E			

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

CHOCOLATE TUFF
BUD BRECCIA
BUD TUFF
BUD EPICLASTIC
BUD TUFF BRECCIA
DT DOZER WELDED TUFF

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

DRILL HOLE RL-96

Page 1 of 5

LOGGED BY DAM

	LITH.	ALT.	% ARG. ALT. W	M	S	% SIL'N W	M	S	COLOR	% FeOx W	M	S	% SULF.	COMMENTS	Au	Ag	CHECK	
									BROWN					0-30 OVERBURDEN	<	<		
05															<	<		
10															.001	<		
15															<	<		
20															.001	<		
25															.001	<		
30									TAN + GREEN				+/%	30-180 LT GREEN LITHIC LAPILLI TUFFS, WK BLEACHED, FINE SULFIDES OCCASIONAL Q-sulfide VEINS SILICIFIED INTERVALS	.002	<		
35															.007	<		
40															.002	<		
45															.003	<		
50									CREAM + RUST						.004	<		
55															.007	<		
60															.012	<		
65															.013	<		
70									LT GREEN +						.002	<		
75									TAN						.001	<		
80															.002	<		
85															.004	<		
90															.003	<		
95															.005	<		
100																		

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Qsv – QUARTZ SULVIDE VP

DRILL HOLE RL-96

Page 2 of 5

LOGGED BY DAN

	LITH.	ALT.	% ARG. ALT. W	M	S	% SIL'N W	M	S	COLOR	% FeOx W	M	S	% SULF.	COMMENTS	Au	Ag	CHECK	
		Qsv XX							LT GREEN				1-2%		.003	<		
105		XX							TAN						.002	<		
110		XX													.002	<		
115															.003	<		
120															.003	<		
125															.004	<		
130															.003	<		
135															.003	<		
140															.009	<		
145		XX Qsv													.054	.30		
150															.126	.30		
155															.003	<		
160															.145	.27		
165															.008	.13		
170															.022	<		
175		XX XX												STRONG CALCEDONIC SILICIFICATION POSSIBLE FAULT CONTACT?	.009	<		
180									ROSE				<1%	180-465 GREY FINE GRAIN TUFFS AND LOCAL RED MATRIX Bx	.002	<		
185									RED BROWN					DISTINGUISHED BY HEMETITE STAINED FRACTURES & GRAINS AND MATRIX	.001	<		
190															<	<		
195															<	<		
200																		

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DRILL HOLE RL-96

Page 3 of 5

LOGGED BY DAM

	LITH.	ALT.	% ARG. ALT. W	M	S	% SIL'N W	M	S	COLOR	% FeOx W	M	S	% SULF.	COMMENTS	Au	Ag	CHECK	
									RED BROWN						<	<		
205									GREY									
210																		
215																		
220																		
225																		
230															.002			
235															<			
240															<			
245															<			
250															<			
255															.001			
260															<			
265															<	.14		
270															.001	<		
275															<			
280																		
285																		
290																		
295																.15		
300																<		

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DRILL HOLE RC-96

Page 4 of 5

LOGGED BY DAm

	LITH.	ALT.	% ARG. ALT. W	M	S	% SIL'N W	M	S	COLOR	% FeOx W	M	S	% SULF.	COMMENTS	Au	Ag	CHECK	
									RED BROWN					(RED MATRIX VOLCANIC BX? HOMOLITHIC FINE GR GREY TUFF CLASTS)	<	<		
305									GREY									
310																		
315																		
320																		
325																		
330																		
335																		
340																		
345																		
350																		
355																		
360																		
365																		
370																		
375																		
380															.003			
385															<			
390															<			
395															<			
400															<			

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DRILL HOLE RL-96

Page 5 of 5

LOGGED BY DAN

	LITH.	ALT.	% ARG. ALT. W	M	S	% SIL'N W	M	S	COLOR	% FeOx W	M	S	% SULF.	COMMENTS	Au	Ag	CHECK	
													4%	(HEMETITE STAINED FGT)	<	<		
05																.23		
10																<		
15																		
20																		
25																		
30																		
35																		
40																		
45																		
50															.001	<		
55															<	<		
60														END R.C.	<	.11		
65														BEGIN HMQ CORE				
70																		
75																		
80																		
85																		
90																		
95																		
00																		

HOLE # RL-96 LOGGED BY CMW DATE 11-28-90 PAGE 1 OF 11

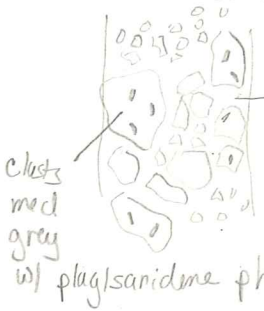
DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERALIZATION	GRAPHIC LOG	ALTER.
465	100	None	Crackle bx'd	FeOx color to crackle bx'n matrix		fairly fresh (oxidized)
470	98					
480	98					
490	100					
500	97					
510	96					
520	98					
530						

DESCRIPTION

0-465 R.C. chips

465-617 'Chocolate tuff' -OR TMB? Med grey porphyritic f.gr. tuff w/ abt fractures / thin crackle bx'n w/ dk red-brown FeOx stain on fractures, often imparting overall red brown look to entire rock. Contains ~ 2-4 % phenos of tabular white ▯ ▯ sanidine or plagioclase, range from 1/16" to 1/3" long. Also lesser smaller dark phenos.

Degree of crackle bx'n varies from locally weak to barely matrix supported. Locally has 'veinlike' cross cutting bx'n text. The more strongly bx'd the more dk red color instead of grey.



No veining

ASSAYS: Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
465-470				<.001	<.10
470-475				<	<
475-480				<	<
480-485				<	<
485-490				<	<
490-495				<	<
495-500				<	<
500-505				<	<
505-510				<	<
510-515				<	<
515-520				<	<
520-525				<	<
525-530				<.001	<.10

HOLE # RL-96 LOGGED BY CM Walsh DATE 11-90 PAGE 2 OF ___

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERAL-IZATION	GRAPHIC LOG	ALTER.	DESCRIPTION
	100	None	Crackle bx'd	dk FeOx color to crackle bx'd matrix		fairly fresh (oxidized)	465-617 cont (see pg 1) Med grey ϕ tuff, crackle bx'd w/ dk Med FeOx
	95						
540							
	100						
550							
	100						
560							
	99						
570							
	99						
580							
	100						
590							
	98						
600							

ASSAYS

Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
530-535				<.001	<.10
535-540				<	<
540-545				<	<
545-550				<	<
550-555				<	<
555-560				<	<
560-565				<	.11
565-570				<	<.10
570-575				<	<
575-580				<	<
580-585				<	<
585-590				<	<
590-595				<	<
595-600				<.001	<.10

HOLE # RL-96 LOGGED BY CMW DATE _____ PAGE 3 OF ____

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERALIZATION	GRAPHIC LOG	ALTER.
	100	None	Crackle bx'd	dk FeOx color to crackle bx'd matrix		fairly fresh
610	100					
	100					
620			None	None		
	100					
630	99					
640	106					
650	95					
660	100					
670						

DESCRIPTION

465-617 cont. See pg 1

Med grey ϕ tuff, crackle bx'd w/ dk red-brown FeOx

617-680 Lithic lapilli tuff; med-dk green-grey color, Somewhat sorted, lapilli generally slightly lighter color than matrix, med-dk green, grey, brown & lt-med grey and green colors. Clast supported, clast-rich - clasts comprise ~ 75-90%, ang to sub ang, avg 1/2", but range from 1/8" to 1". (3 to 25 mm)

[Can't tell if this is C2C or BUD.] So the matrix is green chlorite rich clay matrix for tuffaceous that's where the truth is

No veining.

Some clasts show weird crackle text - darker spots/cores - possibly differential alt'n?

Weakly broken up/rubbly 641-642'

ASSAYS

Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
600-605				<.001	.14
605-610				<	<.10
610-615				<	.11
615-618				<	<.10
618-622				<	<
622-627				<	<
627-630				<	<
630-635				<	.18
635-639.5				<	<.10
639.5-644.5				<	<
644.5-649.5				<	<
649.5-655				<	.16
655-660				<	<.10
660-665				<	.14
665-670				<	<.10

HOLE # RL-96 LOGGED BY CMW DATE _____ PAGE 4 OF 11

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERAL-IZATION	GRAPHIC LOG	ALTER.
	100	None	None	None		Fairly 'fresh'
680	95					
	99					
690	93					
	111					
700	98					
710	95					
720	60					
	93					
730	98	20° to c.a.				
740						

DESCRIPTION

gradational ↕ True Bedded Bud - 7-23-92

680 - 732 Lithic tuff breccia. Matrix supported - matrix is light to lt-med pistachio green. Contains ~ 40 - 60% clasts; med to dk brown, grey & green, angular, range from < 1/4" to > 3". Clasts harder than matrix - matrix has clayey feel & locally displays long 'wispy' texture. Very minor calcite veinlets (couple of 1/8" veinlets every 2-3')

Think this is BUD

ASSAYS

Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
670-675				<.001	.26
675-680				<	.13
680-685				<	<.10
685-690				<	.11
690-695				.002	<.10
695-697.5				<.001	<.10
697.5-702				<	<
702-707				<	<
707-712				<	<
712-717				<	.10
717-722				<	<
722-727				<	.10
727-732				<	<
732-736				<	.24
736-740				<	.18

HOLE # RL-96 LOGGED BY CMW DATE _____ PAGE 5 OF ___

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERALIZATION	GRAPHIC LOG	ALTER.
750	97	26°	None	None		Fairly fresh
760	105					
770	101					
780	99					
790	96	20° to 30° to c.a.				
800	98					
810	96					
	102					

DESCRIPTION

732-943

¿ Bup ? wispy lithic lapilli tuff. Generally a med-dk red-brown color. Bedded / wisps at ~ 20° to core axis.

732-768 : Red-brown matrix wispy lithic lapilli tuff. W/ ~ 30% lithic clasts, relatively small 2mm - 1cm, green, grey & brown. Also w/ ~ 15-20% small wispys ~ 1/2cm - 1cm long.
No veining.

768 - 781 : Dull med green-grey wispy lithic lapilli tuff w/ ~ 20% clasts ; generally a little larger than above ; 3mm - 1.5cm, grey, green & brown. Matrix is dull grey-green & is softer than clasts, contains long (3-4") poorly defined wisps
No veining

781 - 901 : Red-brown Wispy lithic lapilli tuff. W/ 40-70% lithic clasts, 2mm - 3cm, med grey & red-brown & brown. Matrix is dk red-brown, wispy - wisps ~ 1/2" - 1" long, 20-30° to c.a.
No veining

ASSAYS

Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
740-745				<.001	<.10
745-750				<	<
750-755				.001	<
755-760				<	<
760-765				<	<
765-770				<	<
770-775				.001	.15
775-780				<	<
780-785				.001	<
785-790				<	<
790-795				<	<
795-800				.002	<
800-805				<	<
805-810				<	<

HOLE # RL-96 LOGGED BY CMW DATE _____ PAGE 6 OF ____

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERAL-IZATION	GRAPHIC LOG	ALTER.	DESCRIPTION
		20-30° to c.a.	None	None		Fairly fresh	732-943 cont 781-901 cont
820	99						
830	98						
840	100						
850	99						849-854: very f.gr/aphanitic oxen, smooth textured, hard red-brown rock - bed or dike/sill? Contacts at ~60-65° to c.a.
860	99						
870	101						
880	99						

ASSAYS: Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
810-815				<.001	<.10
815-820				<	<
820-825				<	<
825-830				<	<
830-835				<	<
835-840				<	<
840-845				<	<
845-850				<	<
850-855				<	<
855-860				<	<
860-865				.023	<
865-870				<	<
870-875				<	<
875-880				<	<

HOLE # RL-96 LOGGED BY CMW DATE _____ PAGE 7 OF ____

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERALIZATION	GRAPHIC LOG	ALTER.
890	99	20° to 30° to c.a.	Minor vnlts	Minor Calc		fairly fresh
	100	25°	None	None		
900	100					wk bleached
910	100					
920	102					
930	101					
940	99	None	minor vnlts	minor calc		mod bleached / wk bleached
950						

DESCRIPTION

732–943 cont

781–901 cont:

882–893: minor (< 1 /foot) 1/8"–1/4" calc veinlets at 0° to 10° to c.a.

898–901: matrix dull green grey w/ blue-grey & dk brown clasts

901–943: Green & Red lithic lapilli tuff – larger wisps & clasts. Contains 25–45% lithic clasts, lt-med grey, med grey-green, grey brown, sub ang., 5mm–2cm avg. Matrix is generally dull med grey-green w/ ~ 10% long > 2" dk red brown wisps. Prob overall weakly bleached, last 2' more bleached (mod.) No veining

943–979 Mixed zone of lithic lap tuff (above) & f.gr. red-brown rock similar to RBUR.

943–951: Med-dk purplish grey fine grained ¿tuff? w/ 5–10% 2–4 mm amygdules w/ dk green or white fill Minor (< 1/ft, < 1/8") calc. vnlts

ASSAYS

Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
880–885				<.001	<.10
885–890				<	<
890–895				<	<
895–900				<	<
900–905				<	<
905–910				<	<
910–915				<	<
915–920				<	<
920–925				<	<
925–930				<	<
930–935				<	<
935–940				<	<
940–945				<	<
945–950				<.001	<.10

HOLE # RL-96 LOGGED BY CMW DATE 11-90 PAGE 8 OF ___

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERALIZATION	GRAPHIC LOG	ALTER.
	99	None	Minor vnlts	Minor calc		wk arg/ bleach
960	99					
970	98	gross wisps at 30-40° to c.a.?				
980		None				wk bleached
	97					
990						
1	97					
1000						v wk bleached to 'fresh'
	99		mod vnlts	calc & white kaol		
1010			wk vnlts	minor calc		
	97		mod vnlts	calc & white kaol		
1020						

DESCRIPTION

943-979 cont.

951-965: lithic lapilli tuff, ~ 30% clasts, 3mm-3cm, green, dk brown & grey, in clayey, locally wispy med purplish grey matrix, matrix softer than clasts. Minor calcite vnlts (< 1/ft, 1/8"-1/4" wide) Locally rubbly (< 1/4" to 1" pieces). at 953-954 & 964-965

965-973: lithic lapilli tuff, 15-30% dk grey & green clasts 1/4" to 1" floating in dull grey green clayey, somewhat grossly wispy matrix. 971-973 has mod amnt calc vnlts: 2-5/ft, 1/8"-1/4", and has more clasts (30-40%)

973-979: lit; ~ 30-55% clasts dk & med grey, 1/4"-1", in dk red-brown grossly wispy clayey matrix Minor calc vnlts. (1-2/ft, 1/16") Wisps appear to be at ~ 30-40° to c.a.

979-1087 Generally a mottled text fine grained tuff, red brown on green, locally w/ crackle to rotated clast text, locally bleached... prob all Red-Brown-Ugly-Rock / Lower Bud Tuff

979-999: mottled text med purplish grey f. gr. c tuff? Weak calc. vnlts (1-2/ft, 1/16"-1/4")

999-1013: med-dk grey fgt crackle to matrix supported c auto bx a? w/ dk red-brown on fracts/matrix 1003-1008 has mod calc & white kaol vnlts; 5-8/ft, 1/8"-1/4"

ASSAYS

Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
950-955				<.001	<.10
955-960				<	<
960-965				<	<
965-970				<	<
970-975				<	<
975-980				<	<
980-985				<	<
985-990				<	<
990-995				<	<
995-1000				<	<
1000-1005				.004	<
1005-1010				<	<
1010-1015				.002	
1015-1020				<.002	<.10

HOLE # RL-96 LOGGED BY CMW DATE 11-90 PAGE 9 OF 11

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERALIZATION	GRAPHIC LOG	ALTER.
	100	None	Weak vnlts	Kaol & calc		v. wk bleach
			v wk vnlts			
1030			mod vnlts			
	97		v wk vnlts			
1040						
	102		w-m vnlts			
1050			wk vnlts			
	98					wk bleach
1060			wk-w-m vnlts	Mct+ qtz, kaol & calc		w-m bleach
	100		wk vnlts			
1070				calc + kaol		wk bleach
	98					v wk bleach to fresh
1080				calc		w-m bleached
	102					
1092			wk crackle bx'n	Qtz + py		Mod bleached

DESCRIPTION

979-1087

1013 - 1025: dk grey f.gr. rock w/ dk red-brown FeOx outward from fractures & white kaol on some fractures

W-mod vnlts - white kaol & calcite - seperate and together 3 - >10 / ft, 1/8" - 1".

1025 - 1054: dk grey to purple grey mottled f.gr. ¿tuff? Generally v. wk vnlts, but more abt at: 1030 - 1034: calc & kaol, 2" bx'd zone at 1032 & 1046-1048: mod 1/8"-1/4" calc + kaol vnlts

1054 - 1069.5: Crackle to matrix supp ¿ autobxa? w/ dull med grey-green clast in med-dk red-brown matrix, Bleaching increases to max at 1059-1065.

1069.5 - 1080: w - mod crackle bx'd med dk grey f.gr. ¿tuff? w/ dk red brown along fractures, & white kaol on some fracts (similar to 1013-1025)

wk vnlts: calc + white kaol, 4-8/ft, 1/16" - 1/8"

1080 - 1087: dull med green-grey color fine grained tuff. Weak, thin calc vnlts, 2-4/ft, < 1/16"

ASSAYS

Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
1020-1025				.001 / .003	<.10
1025-1030				<.001	<.10
1030-1035				<	<
1035-1040				<	<
1040-1045				<	<
1045-1050				<	<
1050-1055				<	<
1055-1060				<	<
1060-1065				.001	<
1065-1070				<	<
1070-1077				<	<
1077-1082				<	<
1082-1087				<	<
1087-1092				.005	.22

HOLE # RL-96 LOGGED BY CMW DATE 11-90 PAGE 10 OF 11

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERALIZATION	GRAPHIC LOG	ALTER.
	98	None	wk crackle bx'n	Q+ py		Mod bleached
1100	101					
1110	99		very minor vnlts	minor Q+ py		
			None	None		wk bleached
1120	98					
			wk crackle bx'n	Qtz		
1130	98		very minor vnlts	minor dk green		w-m bleached
1140	100	40° to c.a	wk vnlts	py + Q		
1150	65	None	Fault Zone	Few Kaol vnlts		silic
1162			Broken up	minor Kaol vnlts		Arg? or fresh?

DESCRIPTION

1087 - 1138 Bleached RBUK/LBT f.g. tuff
Dull lt-med grey-green color. Fine grained, generally smooth text, locally mottled
1087-1109 Weak crackle-bx'd / fract'd, w/ 1/8" wide qtz + py vnlts along fracts (~ 1/inch)
Few fractures have dk green chlor?
1109-1117: less fractured / veined. Dull lt grey green, very minor py vnlts.
1117-1118: wk crackle bx'd w/ 1/16" - 1/8" py vnlts on fractures, lt-med grey-green
1118-1127: med grey color, no reinlets
1127-1130: wk crackle bx'd w/ 1/16" - 1/8" qtz vnlts on fractures, lt-med grey-green
1130-1138 lt-med grey green, less fract'd, minor dk green vnlts

1138 - 1149.5 'Green epiclastic'. Green lithic lapilli tuff; lt green & white 3mm - 2cm clasts comprise ~50%, matrix is dull med grey-green
Wk vnlts py + qtz 1/8" - 1/4", 1/ft
Last 1½' weakly silicified. Crude bedding ~40° to c.a

1149.5 - 1156.5 Silicified fault zone ('South Ridge Fault')
Green & grey silicified clasts of fgt in med grey & milky qtz matrix. Wk Kaol vnlts

ASSAYS

Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
1092-1097				.004	<.10
1097-1102				.001	<.10
1102-1107				.001	<
1107-1112				.001	<
1112-1117				<	.18
1117-1122				.001	<
1122-1127				.001	<
1127-1132				<	<
1132-1137				<	<
1137-1142				.002	<
1142-1147				.001	.11
1147-1152				.020	.72
1152-1157				.006	.23
1157-1162				.005	.20

HOLE # RL-96 LOGGED BY CM Walck DATE 11-90 PAGE 11 OF 11

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERAL-IZATION	GRAPHIC LOG	ALTER.
	50	None	Minor Vnlts, Core Broken up.	Some Kaol vnlts		fresh? or arg?
1170	46		Core Broken up			
1180	31					
1190						
1192 T.D.						

DESCRIPTION

1156.5 – 1192 T.D.

Tr/Jr Black carbonaceous slate/shale – poor recovery. Core very broken-up & crumbly – most pieces < 1/2".

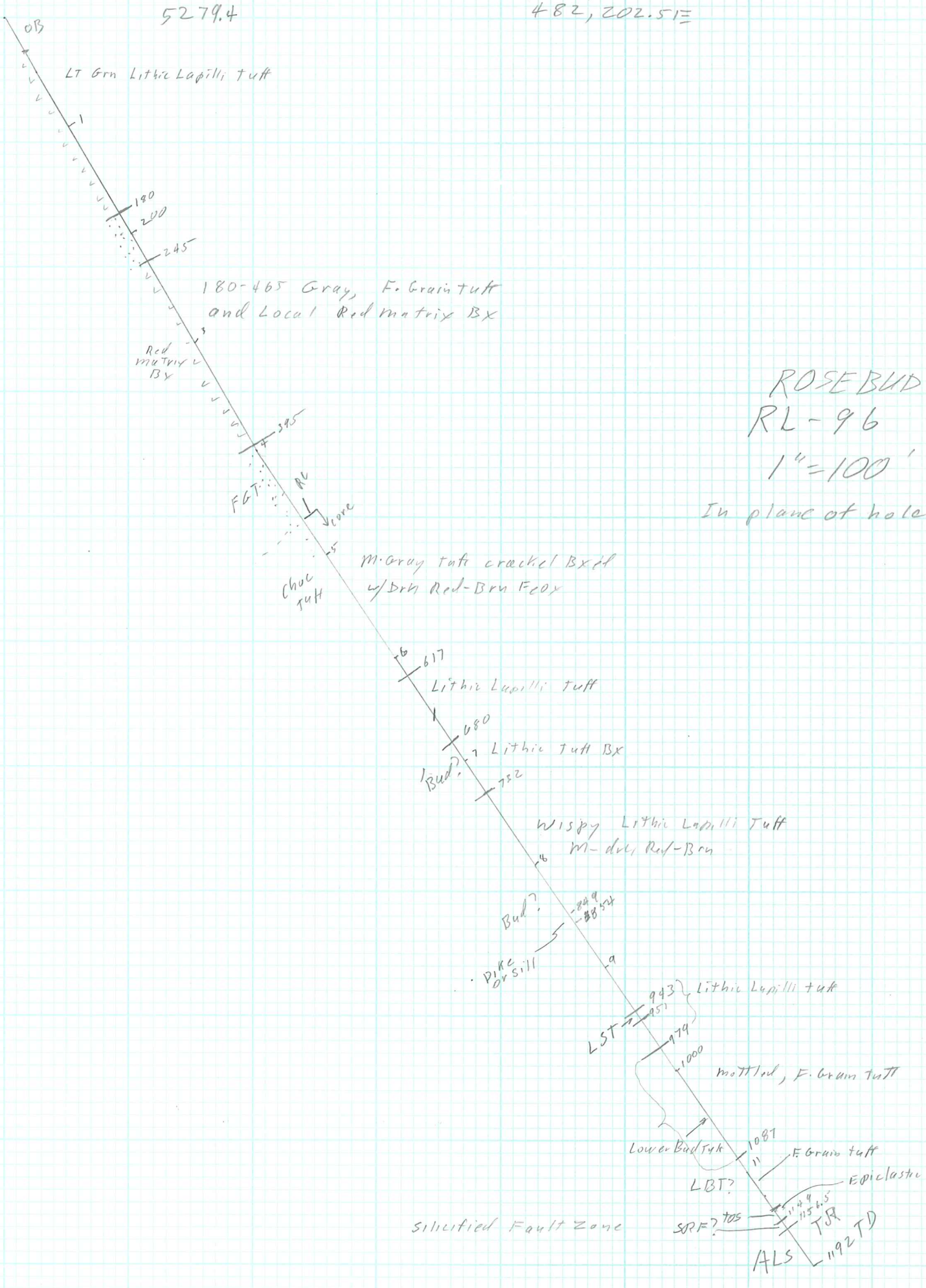
1156.5 – 1173 some kaol vnlts

ASSAYS

Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
1162–1167				.001	<.10
1167–1172				<.001	<.10
1172–1177				<	<
1177–1182				.012	.20
1182–1192				.001	.34

5279.4

2,204,978.0N
482,202.51E



ROSEBUD
RL-96
1"=100'
In plane of hole

RL-96
0-465' RC

July 13, 1990

Page 1 of

KNT

Recovery Interval	% Recovery
465 - 473.5	100%
473.5 - 483	98%
483 - 492.5	98%
492.5 - 502	100%
502 - 512	97%
512 - 522	96%
522 - 532	98%
532 - 535	100%
535 - 542	95%
542 - 552	100%
552 - 562	100%
562 - 572	99%
572 - 587	99%
582 - 592	100%
592 - 600	98%
600 - 610	100%
610 - 612	100%
610 - 612	100%
612 - 622	100%
622 - 629.5	100%
629.5 - 639.5	99%
639.5 - 649.5	106%
649.5 - 660	10/10.5 =
660 - 670	100%
670 - 680	100%
680 - 682	1.9/2
682 - 692	99%

Sample Interval	Lithology
465 - 470	465 - 618
470 - 475	red, brown, wk blc
475 - 480	fragmental(?) FGT to vtl, poo
480 - 485	local mod fract to
485 - 490	bx
490 - 495	overall wk alt.
495 - 500	
500 - 505	
505 - 510	618 - 980
510 - 515	massive pyroclastic
515 - 520	unit matrix
520 - 525	various colors +
525 - 530	clast sizes
530 - 535	618 - 680
535 - 540	grg - grn } Angular < 3/4" "Trash"
540 - 545	pyroclastic
545 - 550	680 - 732
550 - 555	lt sage green } mat. matrix supp. Lithics
555 - 560	pyroclastic
560 - 565	732 - 900
565 - 570	red, brown matrix
570 - 575	frags angular
575 - 580	majority < 1/4"
580 - 585	pyroclastic
585 - 590	
590 - 595	
595 - 600	
600 - 605	
605 - 610 ✓	
610 - 615	
615 - 618	
618 - 622	
622 - 627	
627 - 630	
630 - 635	
635 - 639.5	
639.5 - 644.5	

RL-96

Recovery Footage	Recovery	Sample Interval	Lithology
692-697.5	93%	644.5-649.5	
697.5-702	111%	649.5-655	
702-712	98%	655-660	
712-720	95%	660-665	
720-722	60%	665-670	
722-732	93%	670-675	
732-742	98%	675-680	
742-752	97%	680-685	
752-762	105%	685-690	
762-772	101%	690-695	
772-782	99%	695-697.5	
782-792	96%	697.5-702	
792-798	98%	702-707	
798-808	96%	707-712	
808-818	102%	712-717	
818-825	99%	717-722	
825-832	98%	722-727	
832-842	100%	727-732	
842-852	99%	732-736	
852-861	99%	736-740	
861-871	101%	740-745	
871-881	99%	745-750	
881-891.5	99%	750-755	
891.5-901.5	100%	755-760	
901.5-911.5	100%	760-765	
911.5-921.5	100%	765-770	

RL-96

Recovery Footage	Recovery
921.5 - 931.5	102%
931.5 - 940.5	101%
940.5 - 951	99%
951 - 961.5	99%
961.5 - 972	99%
972 - 982	98%
982 - 992	97%
992 - 1002	97%
1002 - 1012	99%
1012 - 1022	97%
1022 - 1032	100%
1032 - 1042	97%
1042 - 1052	102%
1052 - 1062	98%
1062 - 1072	100%
1072 - 1082	98%
1082 - 1092	102%
1092 - 1102	98%
1102 - 1112	101%
1112 - 1122	99%
1122 - 1132	98%
1132 - 1142	98%
1142 - 1152	100%
1152 - 1162	65%
1162 - 1172	50%
1172 - 1182	46%

Sample Interval	Lithology
770 - 775	
775 - 780	
780 - 785	
785 - 790	
790 - 795	
795 - 800	
800 - 805	
805 - 810	
810 - 815	
815 - 820	
820 - 825	
825 - 830	
830 - 835	
835 - 840	
840 - 845	
845 - 850	
850 - 855	
855 - 860	
860 - 865	
865 - 870	
870 - 875	
875 - 880	
880 - 885	
885 - 890	
890 - 895	
895 - 900	
	900 - 979
	red - gm matrix, spinel chert size peperite
	979 - 1054
	979 - gm - red Lithic tuff to FGT to coal bx
	1054 - 1080
	Hgm bk bx FGT to a lithic tuff; angular frags
	~1070 - 1080
	red, brown FGT w/ red, hematite staining

KL-96

Sample Interval	Lithology
900-905	
905-910	1080-1137
910-915	lt gm-wht blk
915-920	FGT to a
920-925	lithic tuff w/
925-930	w/oul rounded
930-935	frags
935-940	
940-945	
945-950	1137-1156.5
950-955	gm, pyroclastic
955-960	frags < 1/2"
960-965	silicified @
965-970	contact
970-975	
975-980	1156.5-1192
980-985	I
985-990	blk shale,
990-995	gumbo!
995-1000	
1000-1005	
1005-1010	
1010-1015	
1015-1020	
1020-1025	
1025-1030	

KL-96

Page 5 of

Sample Intervals

1030 - 1035
1035 - 1040
1040 - 1045
1045 - 1050
1050 - 1055
1055 - 1060
1060 - 1065
1065 - 1070
1070 - 1077
1077 - 1082
1082 - 1087
1087 - 1092
1092 - 1097
1097 - 1102
1102 - 1107
1107 - 1112
1112 - 1117
1117 - 1122
1122 - 1127
1127 - 1132
1132 - 1137
1137 - 1142
1142 - 1147
1147 - 1152
1152 - 1157
1157 - 1162
1162 - 1167
1167 - 1172
1172 - 1177
1177 - 1182
1182 - 1192 TD.

1/11/90

RL-96

	RECOVERY
1082 - 1072	98%
1072 - 1062	100%
1062 - 1052	98%
1052 - 1042	102%
1042 - 1032	97%
1032 - 1022	100%
1022 - 1012 (3.7')	97%
1012 - 1002	99%
1002 - 992	97%
992 - 982	97%
982 - 972	98%
972 - 961.5	99%
961.5 - 951	99%
951 - 940.5	99%
940.5 - 931.5	101%
931 - (928.5)	102%
~~921.5 - 911.5~~	100%
911.5 - 901.5	100%
901.5 - 891.5	100%
891.5 - 881	98%
881 - 871	99%
871 - 861	101%
861 - 852	99%
852 - 842	99%
~~842 - 832~~	~~100%~~
832 - 825	98%
825 - 818	99%
818 - 808	102%
808 - 798	96%
198 - 792	98%
792 - 782	96%
- 772	99%
772 - 762	101%
762 - 752	105%
752 - 742	97%
742 - 732	98%

LOG

1075.5 - 1069.5
GRY-RED FINE GRAIN TUFF BRECCIATED, OX FRACTURES AND CALCITE VEINING

1069.5 - 1065 BLEACHED BRECCIATED FINE GR. TUFF

1065 - 1059.5 BLEACHED, MOTTLED, SILICIFIED FINE GR. TUFF, POSSIBLE FAULT ZONE, QTZ SULPHDE VEINS PRESENT

1059.5 - 1050 BLEACHED, BRECCIATED FINE GR. PURPLE GREY TUFF w Co VEINS

1050 - 997.5 FINE GR. GREY PURPLE TUFF, BRECCIATED w CALCITE VEINS.

997.5 - 978 GREY FINE GR. TUFF LOCALLY BRECCIATED w DISSOLUTION TEXTURES?, SOME FINE Co VEINS

978 - 900.5 PYROCLASTIC - RED? GREEN MATRIX LOCALLY BLEACHED AND BRECCIATED. OCCAS. EPICLASTIC BEDS.

900.5 - 715 RED BROWN MATRIX PYROCLASTIC, OCCASIONAL Co VEINS VERY BLEACHED INTERVAL 715 - 732

RECOVERY (CONT)

732 - 722	93%
722 - 720	75%
~~715 - 720~~	~~100%~~ wrong
692 - 697.5	5.1/5.5
697.5 - 702	5/4.5
702 - 712	98%
712 - 720	7.6/8

7/10/90

RL-96

DEPTH	RECOVERY
1192 - 1182	3.1/10 = 31%
1182-1172	4.6/10 46%
1172-1162	50%
1162-1152	65%
1152-1142	100%
1142-1132	98%
1132-1122	98 %
1122-1112	99%
1112-1102	101%
1102-1092	98%
1092-1082	102%

LOG

1192-1156? POOR RECOVERY BLACK CARBONACEOUS SHALE & LOCAL MINOR BLEACHING & 1-3% PYRITE.

~1156' CONTACT FR & T PYROCLA

1156-1154 PEACH-WHITE STRONG BLEACHED, SILICIFIED BRECCIATED TYROCLASTIC

1154-1147 INTENSLY SILICIFIED, MODERATLY BLEACHED, BRECCIATED PYROCLASTIC 1-2% FINE SULFIDES AND Qtz SULFIDES VEINLETS

1147-1138.5 LT GREEN PYROCL & ARGILLIZED FRAGMENTS & OCC. Qtz SULFIDE VEINLETS & 1% FINE SULFIDES

1138.5-1137 - LT GREEN FINE GR. TUFF, LOCALLY BRECCIATED

1137-1132 LT PEACH BLEACH & GREEN LAHARIC BRECCIA MINOR SULFIDE VEINING

1132-1121.7 FINE GR. SLIGHTLY BLEACHED TUFF LOCALLY MOTTLED & MINOR FINE STOCKWORK

1121.7-1087 BLEACHED, MOTTLED LOCALLY FRAGMENTAL TUFF? W/ VERY FINE SULFIDE & Qtz VEINING MICROBRECCIATED & Qtz-SULFIDE VEINING

1087-1075.5 GREY TO RED PURPLE FINE GRAIN TUFF LOCALLY BRECCIATED BECOMMING MOTTLED & DEPTH.

NEVADA GSI

Copy

AUG 0 9 1990

GEOCHEMICAL ANALYSIS REPORT

August 6, 1990

CUST. CODE: LOA
PROJECT: URBD-79014
P.O. #: XXXX
LOT ID: 7881

GEOLOGIST: NATE BREWER
COPIES TO: KEN TULLAR
COMPANY: LAC MINERALS
ANALYSIS: FIRE ASSAY FOR GOLD AND SILVER, WITH AN A.A. FINISH.

	SAMPLE I.D.			Au o/t	Ag o/t
1	RL-96	0	5	-0.001	-0.10
2	RL-96	5	10	-0.001	-0.10
3	RL-96	10	15	0.001	-0.10
4	RL-96	15	20	-0.001	-0.10
5	RL-96	20	25	0.001	-0.10
6	RL-96	25	30	0.001	-0.10
7	RL-96	30	35	0.002	-0.10
8	RL-96	35	40	0.007	-0.10
9	RL-96	40	45	0.002	-0.10
10	RL-96	45	50	0.003	-0.10
11	RL-96	50	55	0.004	-0.10
12	RL-96	55	60	0.007	-0.10
13	RL-96	60	65	0.012	-0.10
14	RL-96	65	70	0.013	-0.10
15	RL-96	70	75	0.002	-0.10
16	RL-96	75	80	0.001	-0.10
17	RL-96	80	85	0.002	-0.10
18	RL-96	85	90	0.004	-0.10
19	RL-96	90	95	0.003	-0.10
20	RL-96	95	100	0.005	-0.10
21	RL-96	100	105	0.003	-0.10
22	RL-96	105	110	0.002	-0.10
23	RL-96	110	115	0.002	-0.10
24	RL-96	115	120	0.003	-0.10
25	RL-96	120	125	0.003	-0.10
26	RL-96	125	130	0.004	-0.10
27	RL-96	130	135	0.003	-0.10
28	RL-96	135	140	0.003	-0.10
29	RL-96	140	145	0.005	-0.10
30	RL-96	145	150	0.054	0.30
31	RL-96	150	155	0.126	0.30
32	RL-96	155	160	0.003	-0.10
33	RL-96	160	165	0.145	0.27
34	RL-96	165	170	0.008	0.13

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

	SAMPLE I.D.			Au o/t	Ag o/t
35	RL-96	170	175	0.022	-0.10
36	RL-96	175	180	0.005	-0.10
37	RL-96	180	185	0.002	-0.10
38	RL-96	185	190	0.001	-0.10
39	RL-96	190	195	-0.001	-0.10
40	RL-96	195	200	-0.001	-0.10
41	RL-96	200	205	-0.001	-0.10
42	RL-96	205	210	-0.001	-0.10
43	RL-96	210	215	-0.001	-0.10
44	RL-96	215	220	-0.001	-0.10
45	RL-96	220	225	-0.001	-0.10
46	RL-96	225	230	0.002	-0.10
47	RL-96	230	235	-0.001	-0.10
48	RL-96	235	240	-0.001	-0.10
49	RL-96	240	245	-0.001	-0.10
50	RL-96	245	250	-0.001	-0.10
51	RL-96	250	255	0.001	-0.10
52	RL-96	255	260	-0.001	-0.10
53	RL-96	260	265	-0.001	0.14
54	RL-96	265	270	0.001	-0.10
55	RL-96	270	275	-0.001	-0.10
56	RL-96	275	280	-0.001	-0.10
57	RL-96	280	285	-0.001	-0.10
58	RL-96	285	290	-0.001	-0.10
59	RL-96	290	295	-0.001	0.15
60	RL-96	295	300	-0.001	-0.10
61	RL-96	300	305	-0.001	-0.10
62	RL-96	305	310	-0.001	-0.10
63	RL-96	310	315	-0.001	-0.10
64	RL-96	315	320	-0.001	-0.10
65	RL-96	320	325	-0.001	-0.10
66	RL-96	325	330	-0.001	-0.10
67	RL-96	330	335	-0.001	-0.10
68	RL-96	335	340	-0.001	-0.10
69	RL-96	340	345	-0.001	-0.10
70	RL-96	345	350	-0.001	-0.10
71	RL-96	350	355	-0.001	-0.10
72	RL-96	355	360	-0.001	-0.10
73	RL-96	360	365	-0.001	-0.10
74	RL-96	365	370	-0.001	-0.10
75	RL-96	370	375	-0.001	-0.10
76	RL-96	375	380	0.003	-0.10
77	RL-96	380	385	-0.001	-0.10
78	RL-96	385	390	-0.001	-0.10
79	RL-96	390	395	-0.001	-0.10
80	RL-96	395	400	-0.001	-0.10
81	RL-96	400	405	-0.001	-0.10
82	RL-96	405	410	-0.001	0.23

	SAMPLE I.D.			Au o/t	Ag o/t
83	RL-96	410	415	-0.001	-0.10
84	RL-96	415	420	-0.001	-0.10
85	RL-96	420	425	-0.001	-0.10
86	RL-96	425	430	-0.001	-0.10
87	RL-96	430	435	-0.001	-0.10
88	RL-96	435	440	-0.001	-0.10
89	RL-96	440	445	-0.001	-0.10
90	RL-96	445	450	-0.001	-0.10
91	RL-96	450	455	0.001	-0.10
92	RL-96	455	460	-0.001	-0.10
93	RL-96	460	465	-0.001	0.11
94	RL-97	0	5	0.001	-0.10
95	RL-97	5	10	-0.001	-0.10
96	RL-97	10	15	-0.001	-0.10
97	RL-97	15	20	-0.001	-0.10
98	RL-97	20	25	0.001	-0.10
99	RL-97	25	30	0.001	-0.10
100	RL-97	30	35	0.001	-0.10
101	RL-97	35	40	0.001	-0.10
102	RL-97	40	45	0.002	-0.10
103	RL-97	45	50	0.001	0.16
104	RL-97	50	55	0.001	0.13
105	RL-97	55	60	0.002	0.19
106	RL-97	60	65	0.001	0.10
107	RL-97	65	70	0.001	0.18
108	RL-97	70	75	0.002	0.19
109	RL-97	75	80	0.002	-0.10
110	RL-97	80	85	0.002	-0.10
111	RL-97	85	90	0.002	-0.10
112	RL-97	90	95	0.001	0.12
113	RL-97	95	100	0.002	0.13
114	RL-97	100	105	0.002	-0.10
115	RL-97	105	110	0.001	-0.10
116	RL-97	110	115	0.002	-0.10
117	RL-97	115	120	0.004	-0.10
118	RL-97	120	125	0.002	-0.10
119	RL-97	125	130	0.004	-0.10
120	RL-97	130	135	0.003	-0.10
121	RL-97	135	140	0.004	-0.10
122	RL-97	140	145	0.003	-0.10
123	RL-97	145	150	0.002	-0.10
124	RL-97	150	155	0.002	-0.10
125	RL-97	155	160	0.001	-0.10
126	RL-97	160	165	0.002	-0.10
127	RL-97	165	170	0.001	0.15
128	RL-97	170	175	0.002	-0.10
129	RL-97	175	180	0.001	-0.10
130	RL-97	180	185	0.002	0.10

NEVADA GSI

AUG 21 1990

GEOCHEMICAL ANALYSIS REPORT

August 16, 1990

CUST. CODE: LOA
PROJECT: URBD
P.O. #: XXXX
LOT ID: 8026

GEOLOGIST: NATE BREWER
COPIES TO: SAME
COMPANY: LAC MINERALS
ANALYSIS: FIRE ASSAY FOR GOLD AND SIVLER, WITH AN A.A. FINISH.

	SAMPLE I.D.			Au o/t	Ag o/t
1.	RL-96C	465	470	-0.001	-.10
2.	RL-96C	470	475	-0.001	-.10
3.	RL-96C	475	480	-0.001	-.10
4.	RL-96C	480	485	-0.001	-.10
5.	RL-96C	485	490	-0.001	-.10
6.	RL-96C	490	495	-0.001	-.10
7.	RL-96C	495	500	-0.001	-.10
8.	RL-96C	500	505	-0.001	-.10
9.	RL-96C	505	510	-0.001	-.10
10.	RL-96C	510	515	-0.001	-.10
11.	RL-96C	515	520	-0.001	-.10
12.	RL-96C	520	525	-0.001	-.10
13.	RL-96C	525	530	-0.001	-.10
14.	RL-96C	530	535	-0.001	-.10
15.	RL-96C	535	540	-0.001	-.10
16.	RL-96C	540	545	-0.001	-.10
17.	RL-96C	545	550	-0.001	-.10
18.	RL-96C	550	555	-0.001	-.10
19.	RL-96C	555	560	-0.001	-.10
20.	RL-96C	560	565	-0.001	0.11
21.	RL-96C	565	570	-0.001	-.10
22.	RL-96C	570	575	-0.001	-.10
23.	RL-96C	575	580	-0.001	-.10
24.	RL-96C	580	585	-0.001	-.10
25.	RL-96C	585	590	-0.001	-.10
26.	RL-96C	590	595	-0.001	-.10
27.	RL-96C	595	600	-0.001	-.10
28.	RL-96C	600	605	-0.001	0.14
29.	RL-96C	605	610	-0.001	-.10
30.	RL-96C	610	615	-0.001	0.11
31.	RL-96C	615	618	-0.001	-.10
32.	RL-96C	618	622	-0.001	-.10
33.	RL-96C	622	627	-0.001	-.10
34.	RL-96C	627	630	-0.001	-.10

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	SAMPLE I.D.			Au o/t	Ag o/t
35.	RL-96C	630	635	-0.001	0.18
36.	RL-96C	635	639.5	-0.001	-.10
37.	RL-96C	639.5	644.5	-0.001	-.10
38.	RL-96C	644.5	649.5	-0.001	-.10
39.	RL-96C	649.5	655	-0.001	0.16
40.	RL-96C	655	660	-0.001	-.10
41.	RL-96C	660	665	-0.001	0.14
42.	RL-96C	665	670	-0.001	-.10
43.	RL-96C	670	675	-0.001	0.26
44.	RL-96C	675	680	-0.001	0.13
45.	RL-96C	680	685	-0.001	-.10
46.	RL-96C	685	690	-0.001	0.11
47.	RL-96C	690	695	0.002	-.10
48.	RL-96C	695	697.5	-0.001	-.10
49.	RL-96C	697.5	702	-0.001	-.10
50.	RL-96C	702	707	-0.001	-.10
51.	RL-96C	707	712	-0.001	-.10
52.	RL-96C	712	717	-0.001	0.10
53.	RL-96C	717	722	-0.001	-.10
54.	RL-96C	722	727	-0.001	0.10
55.	RL-96C	727	732	-0.001	-.10
56.	RL-96C	732	736	-0.001	0.24
57.	RL-96C	736	740	-0.001	0.18
58.	RL-96C	740	745	-0.001	-.10
59.	RL-96C	1015	1020	0.002	0.18
60.	RL-96C	1020	1025	0.003	-.10

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This report reviewed and approved by:

Richard A Grondin

Richard Grondin, Laboratory Director

NEVADA GSI

AUG 21 1990

GEOCHEMICAL ANALYSIS REPORT

August 15, 1990

CUST. CODE: LOA
PROJECT: URBD
P.O. #: XXXX
LOT ID: 8036

GEOLOGIST: NATE BREWER
COPIES TO: SAME
COMPANY: LAC MINERALS
ANALYSIS: FIRE ASSAY FOR GOLD AND SILVER, WITH AN A.A. FINISH.

	SAMPLE I.D.			Au o/t	Ag o/t
1.	RL-96C	745	750	-0.001	-.10
2.	RL-96C	750	755	0.001	-.10
3.	RL-96C	755	760	-0.001	-.10
4.	RL-96C	760	765	-0.001	-.10
5.	RL-96C	765	770	-0.001	-.10
6.	RL-96C	770	775	0.001	0.15
7.	RL-96C	775	780	-0.001	-.10
8.	RL-96C	780	785	0.001	-.10
9.	RL-96C	785	790	-0.001	-.10
10.	RL-96C	790	795	-0.001	-.10
11.	RL-96C	795	800	0.002	-.10
12.	RL-96C	800	805	-0.001	-.10
13.	RL-96C	805	810	-0.001	-.10
14.	RL-96C	810	815	-0.001	-.10
15.	RL-96C	815	820	-0.001	-.10
16.	RL-96C	820	825	-0.001	-.10
17.	RL-96C	825	830	-0.001	-.10
18.	RL-96C	830	835	-0.001	-.10
19.	RL-96C	835	840	-0.001	-.10
20.	RL-96C	840	845	-0.001	-.10
21.	RL-96C	845	850	-0.001	-.10
22.	RL-96C	850	855	-0.001	-.10
23.	RL-96C	855	860	-0.001	-.10
24.	RL-96C	860	865	0.023	-.10
25.	RL-96C	865	870	-0.001	-.10
26.	RL-96C	870	875	-0.001	-.10
27.	RL-96C	875	880	-0.001	-.10
28.	RL-96C	880	885	-0.001	-.10
29.	RL-96C	885	890	-0.001	-.10
30.	RL-96C	890	895	-0.001	-.10
31.	RL-96C	895	900	-0.001	-.10
32.	RL-96C	900	905	-0.001	-.10
33.	RL-96C	905	910	-0.001	-.10
34.	RL-96C	910	915	-0.001	-.10

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

	SAMPLE I.D.			Au o/t	Ag o/t
35.	RL-96C	915	920	-0.001	-.10
36.	RL-96C	920	925	-0.001	-.10
37.	RL-96C	925	930	-0.001	-.10
38.	RL-96C	930	935	-0.001	-.10
39.	RL-96C	935	940	-0.001	-.10
40.	RL-96C	940	945	-0.001	-.10
41.	RL-96C	945	950	-0.001	-.10
42.	RL-96C	950	955	-0.001	-.10
43.	RL-96C	955	960	-0.001	-.10
44.	RL-96C	960	965	-0.001	-.10
45.	RL-96C	965	970	-0.001	-.10
46.	RL-96C	970	975	-0.001	-.10
47.	RL-96C	975	980	-0.001	-.10
48.	RL-96C	980	985	-0.001	-.10
49.	RL-96C	985	990	-0.001	-.10
50.	RL-96C	990	995	-0.001	-.10
51.	RL-96C	995	1000	-0.001	-.10
52.	RL-96C	1000	1005	0.004	-.10
53.	RL-96C	1005	1010	-0.001	-.10
54.	RL-96C	1010	1015	0.002	-.10
55.	RL-96C	1015	1020	-0.001	-.10
56.	RL-96C	1020	1025	0.001	-.10
57.	RL-96C	1025	1030	-0.001	-.10
58.	RL-96C	1030	1035	-0.001	-.10
59.	RL-96C	1035	1040	-0.001	-.10
60.	RL-96C	1040	1045	-0.001	-.10
61.	RL-96C	1045	1050	-0.001	-.10
62.	RL-96C	1050	1055	-0.001	-.10
63.	RL-96C	1055	1060	-0.001	-.10
64.	RL-96C	1060	1065	0.001	-.10
65.	RL-96C	1065	1070	-0.001	-.10
66.	RL-96C	1076	1077	-0.001	-.10

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This report reviewed and approved by:

Richard A. Grondin

Richard Grondin, Laboratory Director

NEVADA GSI

GEOCHEMICAL ANALYSIS REPORT

July 19, 1990

CUST. CODE: LOA
PROJECT: URBD
P.O. #: XXXX
LOT ID: 7870

GEOLOGIST: NATE BREWER
COPIES TO: SAME
COMPANY: LAC MINERALS
ANALYSIS: FIRE ASSAY FOR GOLD AND SILVER, WITH AN A.A. FINISH.

	SAMPLE I.D.			Au o/t	Ag o/t
1.	RL-96C	1077	1082	-0.001	-0.10
2.	RL-96C	1082	1087	-0.001	-0.10
3.	RL-96C	1087	1092	0.005	0.22
4.	RL-96C	1092	1097	0.004	-0.10
5.	RL-96C	1097	1102	0.001	-0.10
6.	RL-96C	1102	1107	0.001	-0.10
7.	RL-96C	1107	1112	0.001	-0.10
8.	RL-96C	1112	1117	-0.001	0.18
9.	RL-96C	1117	1122	0.001	-0.10
10.	RL-96C	1122	1127	0.001	-0.10
11.	RL-96C	1127	1132	-0.001	-0.10
12.	RL-96C	1132	1137	-0.001	-0.10
13.	RL-96C	1137	1142	0.002	-0.10
14.	RL-96C	1142	1147	0.001	0.11
15.	RL-96C	1147	1152	0.020	0.72
16.	RL-96C	1152	1157	0.006	0.23
17.	RL-96C	1157	1162	0.005	0.20
18.	RL-96C	1162	1167	0.001	-0.10
19.	RL-96C	1167	1172	-0.001	-0.10
20.	RL-96C	1172	1177	-0.001	-0.10
21.	RL-96C	1177	1182	0.012	0.20
22.	RL-96C	1182	1192	0.001	0.34

THIS REPORT REVIEWED AND APPROVED BY:

Richard A. Grondin

RICHARD GRONDIN, LABORATORY MANAGER

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

SAMPLE I.D.				Au o/t	Ag o/t
131	RL-97	185	190	0.002	0.21
132	RL-97	190	195	-0.001	-0.10
133	RL-97	195	200	0.001	-0.10
134	RL-97	200	205	-0.001	-0.10
135	RL-97	205	210	-0.001	0.12
136	RL-97	210	215	-0.001	-0.10
137	RL-97	215	220	-0.001	-0.10
138	RL-97	220	225	-0.001	0.16
139	RL-97	225	230	0.001	0.22
140	RL-97	230	235	-0.001	-0.10
141	RL-97	235	240	-0.001	-0.10
142	RL-97	240	245	0.017	-0.10
143	RL-97	245	250	0.003	-0.10
144	RL-97	250	255	0.004	-0.10
145	RL-97	255	260	-0.001	-0.10
146	RL-97	260	265	-0.001	-0.10
147	RL-97	265	270	-0.001	-0.10
148	RL-97	270	275	-0.001	-0.10
149	RL-97	275	280	-0.001	-0.10
150	RL-97	280	285	-0.001	-0.10
151	RL-97	285	290	-0.001	-0.10
152	RL-97	290	295	-0.001	-0.10
153	RL-97	295	300	-0.001	-0.10
154	RL-97	300	305	-0.001	-0.10
155	RL-97	305	310	-0.001	-0.10
156	RL-97	310	315	-0.001	0.12
157	RL-97	315	320	-0.001	-0.10
158	RL-97	320	325	-0.001	-0.10
159	RL-97	325	330	-0.001	-0.10
160	RL-97	330	335	-0.001	-0.10
161	RL-97	335	340	-0.001	-0.10
162	RL-97	340	345	-0.001	-0.10
163	RL-97	345	350	-0.001	-0.10
164	RL-97	350	355	-0.001	-0.10
165	RL-97	355	360	-0.001	-0.10
166	RL-97	360	365	-0.001	0.10
167	RL-97	365	370	-0.001	-0.10
168	RL-97	370	375	-0.001	-0.10
169	RL-97	375	380	-0.001	-0.10
170	RL-97	380	385	-0.001	-0.10
171	RL-97	385	390	-0.001	-0.10
172	RL-97	390	395	-0.001	-0.10
173	RL-97	395	400	-0.001	-0.10
174	RL-97	400	405	-0.001	-0.10
175	RL-97	405	410	-0.001	-0.10
176	RL-97	410	415	-0.001	-0.10
177	RL-97	415	420	-0.001	-0.10
178	RL-97	420	425	-0.001	-0.10

	SAMPLE I.D.			Au o/t	Ag o/t
179	RL-97	425	430	-0.001	0.48
180	RL-97	430	435	-0.001	-0.10
181	RL-97	435	440	0.001	0.22
182	RL-97	440	445	0.005	0.16
183	RL-97	445	450	0.011	0.18
184	RL-97	450	455	0.004	0.23
185	RL-97	455	460	0.003	0.18
186	RL-97	460	465	0.004	0.10

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This report reviewed and approved by:

Richard A. Grondin

Richard Grondin, Laboratory Director

NEVADA GSI

AUG 21 1990

GEOCHEMICAL ANALYSIS REPORT

August 15, 1990

CUST. CODE: LOA
PROJECT: URBD
P.O. #: XXXX
LOT ID: 8036

GEOLOGIST: NATE BREWER
COPIES TO: SAME
COMPANY: LAC MINERALS
ANALYSIS: FIRE ASSAY FOR GOLD AND SILVER, WITH AN A.A. FINISH.

	SAMPLE I.D.			Au o/t	Ag o/t
1.	RL-96C	745	750	-0.001	-.10
2.	RL-96C	750	755	0.001	-.10
3.	RL-96C	755	760	-0.001	-.10
4.	RL-96C	760	765	-0.001	-.10
5.	RL-96C	765	770	-0.001	-.10
6.	RL-96C	770	775	0.001	0.15
7.	RL-96C	775	780	-0.001	-.10
8.	RL-96C	780	785	0.001	-.10
9.	RL-96C	785	790	-0.001	-.10
10.	RL-96C	790	795	-0.001	-.10
11.	RL-96C	795	800	0.002	-.10
12.	RL-96C	800	805	-0.001	-.10
13.	RL-96C	805	810	-0.001	-.10
14.	RL-96C	810	815	-0.001	-.10
15.	RL-96C	815	820	-0.001	-.10
16.	RL-96C	820	825	-0.001	-.10
17.	RL-96C	825	830	-0.001	-.10
18.	RL-96C	830	835	-0.001	-.10
19.	RL-96C	835	840	-0.001	-.10
20.	RL-96C	840	845	-0.001	-.10
21.	RL-96C	845	850	-0.001	-.10
22.	RL-96C	850	855	-0.001	-.10
23.	RL-96C	855	860	-0.001	-.10
24.	RL-96C	860	865	0.023	-.10
25.	RL-96C	865	870	-0.001	-.10
26.	RL-96C	870	875	-0.001	-.10
27.	RL-96C	875	880	-0.001	-.10
28.	RL-96C	880	885	-0.001	-.10
29.	RL-96C	885	890	-0.001	-.10
30.	RL-96C	890	895	-0.001	-.10
31.	RL-96C	895	900	-0.001	-.10
32.	RL-96C	900	905	-0.001	-.10
33.	RL-96C	905	910	-0.001	-.10
34.	RL-96C	910	915	-0.001	-.10

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	SAMPLE I.D.			Au o/t	Ag o/t
35.	RL-96C	915	920	-0.001	-.10
36.	RL-96C	920	925	-0.001	-.10
37.	RL-96C	925	930	-0.001	-.10
38.	RL-96C	930	935	-0.001	-.10
39.	RL-96C	935	940	-0.001	-.10
40.	RL-96C	940	945	-0.001	-.10
41.	RL-96C	945	950	-0.001	-.10
42.	RL-96C	950	955	-0.001	-.10
43.	RL-96C	955	960	-0.001	-.10
44.	RL-96C	960	965	-0.001	-.10
45.	RL-96C	965	970	-0.001	-.10
46.	RL-96C	970	975	-0.001	-.10
47.	RL-96C	975	980	-0.001	-.10
48.	RL-96C	980	985	-0.001	-.10
49.	RL-96C	985	990	-0.001	-.10
50.	RL-96C	990	995	-0.001	-.10
51.	RL-96C	995	1000	-0.001	-.10
52.	RL-96C	1000	1005	0.004	-.10
53.	RL-96C	1005	1010	-0.001	-.10
54.	RL-96C	1010	1015	0.002	-.10
55.	RL-96C	1015	1020	-0.001	-.10 } see 8026?
56.	RL-96C	1020	1025	0.001	-.10
57.	RL-96C	1025	1030	-0.001	-.10
58.	RL-96C	1030	1035	-0.001	-.10
59.	RL-96C	1035	1040	-0.001	-.10
60.	RL-96C	1040	1045	-0.001	-.10
61.	RL-96C	1045	1050	-0.001	-.10
62.	RL-96C	1050	1055	-0.001	-.10
63.	RL-96C	1055	1060	-0.001	-.10
64.	RL-96C	1060	1065	0.001	-.10
65.	RL-96C	1065	1070	-0.001	-.10
66.	RL-96C	1076	1077	-0.001	-.10

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This report reviewed and approved by:

Richard A. Grondin

Richard Grondin, Laboratory Director