60001328

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-95
AUTHOR	N. Brewer; K. Tullar; R. Grandin
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 1270'; handwritten notes; Also referred to as RL-95C 37p.

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-95

ROSEBUD

60001328 4010

60001328

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

DRILL LOG SUMMARY SHEET

PROJECT Rosebud

HOLE NUMBER RL-95C TOTAL DEPTH 1270' LOGGED BY KNT/DAM

Date started 6-26-90

Date completed 6-29-90

Initial bearing S55°E

Initial inclination -60°

Elevation 5330.7

Collar coordinates:

N 2204598

E 482727.3

Contractor: Coates Drilling

Drill Type: Universal Rotary - Core

Hole Size: HQ Core, 4 1/4" hammer

Drilling Conditions:

Footage: Wet / Dry Ø-465 RC;

Comments:

DOWN HOLE SURVEY INFORMATION

FROM	TO	SURVEY POINT	INCLI-NATION	BEARING	X (Northing)	Y (Easting)	Z (Elevation)
0	50		-60	S55E			
50	200	100	-61	S54E			
200	404	300	-62	S55E			
404	604	507	-63	S53E			
604	801	702	-64	S55E			
801	1000	900	-64	S55E			
1000	1270	1100	-65	S62E			
		1270	-65	N13W	BAD PICTURE		

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-95

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	
									DK BROWN				<1%	0-45 DARK BROWN APHANITIC WELDED TUFF w/ LOCAL BLEACHING & FRAGMENTATION	<	<		
05																		
10																		
15									BROWN & WHITE									
20																		
25																		
30									DK BROWN									
35																		
40																		
45									RUSTY PINK					45-115 MODERATELY OXIDIZED AND WEAKLY BLEACHED CRYSTAL TUFF				
50																		
55									CREAM RUST PINK									
60									RUSTY PINK					SLIGHT INCREASE IN CLAYS 55-60				
65																		
70																		
75																		
80																		
85																		
90																		
95																		
100																		

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DRILL HOLE RL-95

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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	
									ORANGE				<1%		L	L		
05																		
10																		
15									PURPLE GREY					115-465 FINE GRAIN WELDED TUFFS LOCALLY MOTTLED. MORE WELDED AT DEPTH. GENERALLY VITRIFIED				
20																		
25																		
30																		
35																		
40																		
45																		
50																		
55																		
60																		
65																		
70																		
75																		
80																		
85																		
90																		
95																		
100																		

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DRILL HOLE RL-95

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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	
									PURPLE GREY				<1%		<	<		
205																		
210																		
215																		
220																		
225																		
230																		
235																		
240																		
245																		
250																		
255																		
260																		
265																		
270																		
275																		
280																		
285																		
290																		
295																		
300																		

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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	
									PURPLE GREY				<1%	LT GREEN MOTTLES? 305-330	<	<		
05																		
10																		
15																		
20																		
25																		
30																		
35																		
40																		
45																		
50																		
55																		
60																		
65									RED BROWN					CHIPS MUCH SOFTER, ALMOST FRIABLE 365-420				
70																		
75																		
80														RED CLAY PRESENT 380-385				
85																		
90																		
95																		
100		KAOLIN												395-405 KAOLINITE GETTING				

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

CHOCOLATE TUFF
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Page 5 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					(SOFT TUFF CHIPS TO 420')	<	<		
05																		
10																		
15																		
20									PURPLE GREY					420-465' STRONGLY WELDED TUFF				
25																		
30																		
35																		
40																		
45																		
50																		
55																		
60																		
65														T.D. = 465'				
70																		
75																		
80																		
85																		
90																		
95																		
00																		

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERAL-IZATION	GRAPHIC LOG	DESCRIPTION
465	113	32/fract		NIL		CORE BEGAN @ 465'
470	84					465-770.5 FINE GRAINED TUFF LIGHT LILAC GRAY pervasively w/ locally bleached buff zones weak local calcite veining throughout About 1 ± 2% hemitite replaced rectangular SANADINE phenos throughout averaging ~2mm long weak to moderate pervasive fracturing w/ FeOx ± local calcite fill ± weak clay, SANADINE phenos decrease w/ depth. Locally tectonically brecciated
480	102					
490	96	20 CaCO3 vn				
	90	17 CaCO3 vn				
500	107	CaCO3 clots ±5°				505' broken rubble 508-517 weak increase in bleaching
510	103					
520	100	15/ CaCO3 + FeOx vn				523-525 weak AUTO brecciation

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

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERAL-IZATION	GRAPHIC LOG
530	100	80 CaCO3 VN		tR py	
	97				
540	98	50 CaCO3 VN ↓ 60			
550	104	52 FeOx fract			
560	98	±80° CaCO3 VN		<1% diss ±VN py	
				2-3% VN + diss py	
570	99	63 fract		tR diss ±VN py	
580	102	20 clay VN		NIL	
590	97	45 fract		tR diss ±VN py	

DESCRIPTION

525 - 770.5 FINE GRAINED TUFF (CONTINUED)
description @ above

538.5 - 551.5 mod peru. bleaching - lt pnk to buff

558 - 580 Increased pervasive bleaching to mod giving lt pink hue, local auto brecciation (ie. tectonic) poss. weak pervasive silicification
↑ fracturing w/ white clay fill
566 - 570 ↑↑ fracturing w/ white clay & pyrite fill & intermittent brecciation

589 - 595 ↑ pervasive argillic bleaching & clay alt assoc. w/ tectonic brecciation ↑ calcite veinlets ↑ fracturing w/ assoc. white clay

ASSAYS

Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
525-530				<	<
530-535				<	<
535-539				<	<
539-542				<	<
542-545				<	<
545-550				<	<
550-555				<	<
555-560				<	<
560-565				.013	<
565-570				<	<
570-575				<	<
575-580				<	<
580-585				<	<
585-590				<	<
590-595				<	<

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERALIZATION	GRAPHIC LOG
600	100	40/ FeOx frac		NIL	
610	99	58 CaCO3 VN			
620	100	72 CaCO3 VN		tr VN py	
630	100	62 FeOx frac		2-3% VN + diss py	
640	100	55 FeOx py VN		≤1% diss ± VN py	
650	98	53 py frac VN		2-3% diss + VN py	
660	99	35 frac		≤1% diss py	
		5° frac		NIL	
		30/ FeOx frac			

DESCRIPTION

595 - 770.5 FINE GRAINED TUFF (CONTINUED)
same description @ above
w/ ↓ sanadine XTALS

617 - 652
increased pervasive bleaching w/ local TRACE purple mottling, w/ assoc. fracturing AND tectonic brecciation, fractures filled w/ calcite + white clay ± pyrite + local weak celadonite/glauconite alt
↓ sanadine XTALS which are clay alt

637 - 647.6 w/ increased fracturing & intermittent tectonic brecciation

627 - 634.5 increased bleaching & fracturing & tectonic brecciation w/ mod strong assoc. clay alt.

ASSAYS

Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
595-600				<	<
600-605				<	<
605-610				<	<
610-616				<	<
616-620				<	<
620-625				<	<
625-630				<	<
630-635				<	<
635-640				<	<
640-643				<	<
643-647.6				.002	.12
647.6-650				<	<
650-654				<	<
654-660				<	<
660-665				<	<

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERAL-IZATION	GRAPHIC LOG	DESCRIPTION
670	100	25/ Feldsp fract		≤1% VN PY NIL		665-770.5 FINE GRAINED TUFF (continued) same description @ above 664.5-668 increased pervasive bleaching increased calcite veining w/ one vein 2' wide
680	98	15-20 Feldsp fract; 5° CaCO3 VN				668-736 LILAC GRAY FGT - very weakly Altered w/ hemitite alt. SANADINE xtals weak local calcite veining mod pervasive fracturing w/ hemitite lining - virtually unmineralized
690	97	10/ Feldsp fract				
700	99	15/ Feldsp fract				
710	100	25/ CaCO3 VN				
720	97	63 CaCO3 VN				
730	100	CaCO3 veins 47° VN				

ASSAYS: Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
665-670				<	<
670-675				<	<
675-680				<	<
680-685				<	<
685-690				<	<
690-695				<	<
695-700				<	<
700-705				<	<
705-710				<	<
710-715				<	<
715-720				<	<
720-725				<	<
725-730				<	<
730-735				<	<

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERALIZATION	GRAPHIC LOG	DESCRIPTION
740	99	35 CaCO3 VN		NIL; tr VN py; 2% VN; tr VN py; NIL		735-770.5 FINE GRAINED TUFF (CONTINUED) same description @ above 736-742.5 moderate pervasive bleaching 739.5-740 well brecciated wk-mod clay altered, matrix composed of calcite + pyrite 740.3-742.5 tectonically brecciated CHOCOLATE IN CHOCOLATE w/ < 1% py VN
750	98	84 CaCO3 VN				742.5-763.4 very weakly alt-lilac gray locally tectonically brecciated @ 750.5-752.5 & intermittently thruout 762-763.4 deep purple sheared-clay (talc-y) zone
760	97	25 FGT frag VN	65 ALT bound	~1% finely diss & local VN py	SHEAR	763.4-770.5 FGT - w/ hanging wall alteration brecciated - chocol. in chocol. weak to mod pervasive bleaching weak cheladuite alteration, weak v. fine diss. pyrite
770	90	49 FGT frag			SHEAR	770.5-772.2 LIGHT GREEN SHEARED UP CLAY GOUGE ZONE - TRANSITIONAL INTO LOWER LITHIC LAPILLI TUFF
780	100	25 CaCO3 VN				772.2-967 LITHIC LAPILLI TUFF C1C INTO C2C could be fine - choc. in choc. LIGHT TO MEDIUM pervasive sage green coloration matrix (clay) supported w/ bleached buff colored FGT frag. weak to moderate calcite veining, locally bedded
790	99					787.7 - 788.5 ↓ bl gray purple hue → could be C2C weak v. fine dissem pyrite, Appears to grade into C2C 788.5-797 bleached version
800	98	48 FGT		tr diss & VN py		797-810 red brown version of C1C into C2C w/ lilac gray clasts w/in red brown matrix

ASSAYS: Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
735-740				<	<
740-745				<	<
745-750				<	<
750-755				<	<
755-760				<	<
760-762				<	<
762-765				<	<
765-770				<	<
770-775				<	<
775-780				<	<
780-785				<	<
785-790				<	<
790-795				<	<
795-800				<	<
800-805				<	<

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERALIZATION	GRAPHIC LOG	DESCRIPTION	ASSAYS: Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
810	96	40/flo	35/fract; 40/fract; 42/calcite vn	tr disc + vn py; ≤1% diss + vn py; NIL to trace diss py		805-967 LITHIC LAPILLI TUFF (CONTINUED) BUD description as above w/ prominent bedding 810-814 bleached LLT w/ mod pervasive argillic alteration CZC, 5-7% 1-2 mm clay alt clasts, weak hint green glauconite/celadonite perv. alt. 812.5 weak shear - clay zone	805-810				<	<
							810-814				<	<
820	100						814-820				<	<
						814-825 Red Bedded Lithic LAPILLI Tuff (BUD) clasts are weakly bleached to white clay altered w/ in red brown matrix	820-825				<	<
830	100	60/flo		≤1% diss ± vn py; tr diss ± vn py		825-830 Bleached LLT w/ glauconite (wk) perv alt of matrix w/ bleached ± glauc. & white clay alt clasts, weak calcite veining	825-830				<	<
							830-835				<	<
840	100	20/flo	70/bedd			830-863.5 Red Brown Bedded LLT - BUD w/ few coarser clasts up to 7" long however is Lithic Lapilli predom clasts vary from weakly bleached to peach to white clay altered & weak local glauconite/celad. alt. weakly locally sheared w/ slicks & clay gouge alt matrix - pervasively red brown weak local calcite vns	835-840				<	<
							840-845				<	<
850	98	35/bedding					845-850				<	<
							850-855				<	<
860	98		60/fract				855-860				<	<
						863.5-920.6 GREEN (BL.) LLT (BUD) 863.5-883 Green bedded Bud w/ pervasive glauconite/celadonite alt matrix clasts: perv bl to peach & local green & local white clay alt,	860-865				<	<
870	100	±5° glauc vn		<1% diss + vn py; 2-3% vn + diss py Marcasite + bladed sulfide		873.6 - 874.6 predom dense FGT mod bl mod str fracturing w/ strong white clay ± sericite + pyrite fill + local marcasite ← py replaced	865-870				<	<
							870-875				.002	<

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERALIZATION	GRAPHIC LOG	DESCRIPTION	ASSAYS: Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
880	92	35 bedding	80 calcite VN	<1% diss + VN py		875 - 967 LITHIC LAPILLI TUFF (BUD) continued 875 - 883.4 Green finely bedded LLT-Bud 25°-35° to C.A. clasts - predominantly white clay altered	875-880				<	<
		26 bedding				883.4 - 884.4 appears to be chocolate in chocolate - predom clasts w/ <1% white clay alt (pumice) frags	880-885				<	<
890	105		20 clay fract	1-2% VN + diss py NIL to tR diss + VN py		884.4 - 889.8 finely bedded bud w/ mod strong glauconite alt.	885-890				<	<
		15 bedding				889.8 - 892 chocolate in chocolate lhnerbed w/ wk ↑ peru. bleaching clasts w/ wk glauconite alt. & clay alt sanadine xtals	890-895				.001	<
900	103					890.6 - 891.6 mod fracturing w/ strong strong clay ± sericite alt w/ pyrite	895-900				<	<
						892 - 904.6 Green glauconite/celadonite alt LLT-bedded Bud ↑ in larger clasts averaging ~ 20mm	900-905				<	<
910	97	±5° glauc VN					905-910				<	<
		5 bandng				904.6 - 917 bleached chocolate clast rich bedded bud averaging ~ 25-40 mm w/ fine green glauconite matrix w/ v. fine white clay alt lithics	910-915				<	<
920	99		±5° white clay fract	1-2% VN + diss py + py replac marcasite	CLC		915-920				<	<
						917 - 920.5 v. fine bed - LLT glauconite rich	920-925				.003	<
930	98	60 clay VN		11 @ 2-3%		920.5 - 941.2 chocolate in chocolate Fine grained tuff, weak to moderate pervasive bleaching w/ wk glauconite alt clasts moderate to moderate strong fracturing w/ white clay ± sericite + pyrite fill weak local vuggy druzy qtz veins ± pyrite replaced marcasite xtals + fine qtz-py stockwork	925-930				<	<
		78 PY VN					930-935				.003	<
940	99		contact CLC CZC 46 .17 fract	<1% diss + VN py	46° CZC		935-940				.001	<
						941.2 - 967 TRANSITIONAL LLT into LBT	940-945				<	<

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERALIZATION	GRAPHIC LOG
950	100	54 py VN	40 shear	<1% VN+ diss py	
960	100				CLAY FAULT
970	50 / 53	78 py clay VN	poss contact 4/12°	+2% VN+ diss py+ bladed sulfid	
980	60 / 100	82 band		1-2% diss +VN py	
990	100 / 87		40° fract		
1000	100	18° qtz stkwk			
1010	95	23 stkwk	fract 60		

DESCRIPTION

945-967 LITHIC LAPILLI TUFF (CONTINUED)

941.2-967 LLP

941.2-956 MODERATLY bleached w/ wk to mod glauconite alt. w/in matrix & primarily assoc. w/ clasts w/ depth & ↑ bl w/ depth, poss wk pervasive silicification

956-967 FAULT RELATED TRANSITIONAL mod silicified 956→958.7 w/ mod str. bl

958.7 - 967 STRONG pervasive glauconite + clay alt. - sheared & w/ clay gouge @ depth w/ few intermittent silicified seams.

962.4 - 967 STRONG pervasive clay gouge & glauconite mica alteration w/in broken rubble, poss w/ some dk gray electrum? around 965.7-966

967-977 mixed broken rubble & pervasively silicified breccia - predom composed of fine grained tuff of LBT variety ~3 stages of brecciation w/ weak - mod fracturing w/ white clay + bladed sulfide fill SiO2 rich matrix

967 - 1244.4 LOWER BUD TUFF - buff w/ intermittent glauconite alt giving green hue, wk to locally moderate pervasive bleaching, locally crackle to dry auto brecciation, weak to moderate fracture veining & locally strong veining ① druzy-vuggy qtz pyrite veins w/ local white clay fill ② local glauconite along fractures ③ few siliceous hydrotherm breccia veins, weakly to mod perv. silicified

977 - 1001 weak pervasive green glauconite (?) alt.

1001 - 1050 ↑↑ pervasive bleaching

1005 - 1016 moderate to mod strong fine stkwk drusy vuggy qtz ± pyrite + local white clay fill + local silicified vein brecciation total silica flooding & angular crackle brecciation

FAULT

ASSAYS

Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
945-950				<	<
950-955				<	<
955-960				<	<
960-962.4				<	<
962.4-966				.002	<
966-970				.029	<
970-974				.008	<
974-977				.012	<
977-982				<	<
982-985				<	<
985-990				<	<
990-995				<	<
995-1000.5				<	<
1000.5-1005				<	<
1005-1010				.001	<
1010-1015				.001	<

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERALIZATION	GRAPHIC LOG
1020	99	25 qtz stock; 45 clay+py +sil vns; ±5° py vn; qtz stock 40 45		±2% diss +vn py	
1030	100		Δ vn 75; 35 fault slick		35°
1040	100	±5° py		2-3% diss +vn py	
1050	100			3-4% diss +vn py	
1060	94	py 10°	70 py sil vn	2%+ diss +vn py	
1070	92	±5° qtz clay vn		±1% diss +vn py	
1080	100	45 py vn		<1% diss +vn py	
	100				

DESCRIPTION

1015 - 1244.4 LOWER BUD TUFF (CONTINUED)
description @ above

1015 - 1038.5 moderate vuggy drusy qtz sulfide veins ± local calcite + pyrite + white clay, mod. perv. bleaching

1027 - 1038.5 mod to mod strong vein brecciation mod well silicified w/ fine micro Δ a matrix w/ local dark gray sulfide rich silica flooding

1038.5 - 1040.5 Broken rubble + mod clay alt.

1042 - 1051.2 strong vein brecciation and cracke brecciation w/ assoc red orange oxide Δ is clast supported w/ rounded to subangular clasts. locally overprinted w/ calcite pyrite veining; mod to mod strong pre mineral drusy qtz ± pyrite & local white clay fill

1058 - 1069.5 strong pervasive fracturing w/ SiO_2 + py fine stkwk - fracts w/ red orange oxide coarse pyrite in fracts + weak local white clay

1069.5 - 1071.5 broken rubble

1075.5 - 1082.5 Intermittent broken rubble w/ assoc strong clay alteration

1077 - 1078.6 strong white clay along fractures

1079 - 1082.5 clay gouge + broken rubble

1083.7 - 1099 Light hinr gray grun FGT moderate fracturing w/ gray stain + hemitite ± $CaCO_3$ ± pyrite

ASSAYS

Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
1015-1020				<	<
1020-1025				<	<
1025-1030				<	<
1030-1035				.006	<
1035-1040				.001	<
1040-1045				.001	<
1045-1050				.002	<
1050-1055				.001	<
1055-1060				.001	<
1060-1065				.001	<
1065-1070				.001	<
1070-1075				.002	<
1075-1079				.002	.12
1079-1083.7				.002	<
1083.7-1085				<	<

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERALIZATION	GRAPHIC LOG	DESCRIPTION
1090	102	10°		<1% diss + vn py		1085 - 1244.4 LOWER BUFF TUFF (continued) description @ above
		45 CaCO3 vn				1099.5 - 1114.7 bleached FGT, weak-pvs silicification mod-pvs. fracturing w/ ① SiO_2 + py vn ② $CaCO_3$ + pyrite + local white clay replacement upper zone w/ FeOx siliceous
		70° fract		±3% vn + diss py		
1100	99		70°	~2% diss + vn py		1100 - 1101.6 Intermittent well silicified vein brecciation w/ pyrite w/ in SiO_2 matrix w/ at least 3 stages of brecciation
		80 CaCO3 clay py vn				
1110	100	12/ inch + py + clay				
	100			3% ± vn + diss py		1114.7 - 1122 strongly pervasively brecciated w/ subangular to rounded clasts - predom. clast supported fvs clasts w/ pyrite replacing sanidine xtals locally pyrite is part of matrix fill + local assoc w/ drusy qtz (c.py)
1120	100	36° / py vn		2% diss + vn py + repl marca site		
	116					1026-1028 fractures wk-mod w/ calcite + pyrite replaced marcasite fill
1130	104	±5° CaCO3 vn		<1% diss + vn py		1028 - 1138.5 mod pervasive bleaching w/ wk-mod fracturing w/ dup green (chlorite) fracture fill
1140	90	20°		~2% diss + vn py + py repl marca site		1138.5 - 1166 FGT ↑ pvs. clay alteration ↓ pvs. silicification wk-mod pvs. auto/crackle brecciation ↑ pvs green (glauconite?) alt along fractures + w/ weak diss. mod to mod strong fracture vining ① drusy-vuggy qtz subhedral ② pyrite + FeOx siliceous local pyrite replaced marcasite ③ fine local vn A
1150	90	py + py 35				
	100					

Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
1085-1090				<	<
1090-1095				<	<
1095-1100				<	<
1100-1102				.003	.20
1102-1105				.001	<
1105-1110				.001	<
1110-1115				.001	.12
1115-1120				.002	.12
1120-1125				<	<
1125-1130				<	<
1130-1135				<	<
1135-1140				<	<
1140-1145				<	<
1145-1150				<	.17
1150-1155				<	.13

328-2247

DLE # RL-95C

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERAL-IZATION	GRAPHIC LOG	DESCRIPTION	ASSAYS: Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
1160	100	5-40° py		~2% diss + VN py + py replac marcasite		1155 - 1244.4 LOWER BUD TUFF (continued) description @ above	1155-1160				.004	.18
		50 FeOx banding	22 over + py + FeOx fract VN	2-3% VN + diss py + local py replac marcasite		1166 - 1192.6 FGT pervasively lr green wh - mod pervasive bleaching - no crackle or auto brecciation only weak to moderate fracture veining predominantly parallel or subparallel to core axis w/ white clay + pyrite + local pyrite replaced marcasite - locally white clay oxidized to golden yellow local drusy qtz sulfide veins w/ oxidized clay	1160-1165				<	.11
1170	97		15 fract				1165-1170				<	<
							1170-1175				<	<
							1175-1180				.001	<
1180	98	47 CaCO3 VN	10° fract			1192.6 - 1193.1 intense vuggy drusy qtz - pyrite + white clay + gray clay veins w/ depth is a SiO_2 supported hydrothermal breccia veins	1180-1185				<	<
							1185-1190				<	<
1190	97	35 fract clays + py	35	3-4% ± 2% diss + VN py		1193.1 - 1208 moderate pervasive bleaching w/ hint (glauconite?) green weak SiO_2 + py veinlets + local weak $CaCO_3$ + pyrite veins ± local clay alt.	1190-1192.6				<	<
							1192.6-1193.1				.014	<
							1193.1-1195				<	<
1200	96	55 CaCO3 py VN					1195-1200				<	<
		59 CaCO3 py					1200-1205				.002	<
1210	100	5-10° over ox + green VN	23 CaCO3 + py VN			1208 - 1218 moderate glauconite + orange oxide? mineral w/ abnormal pyrite ± marcasite veining weak pervasive glauconite alt	1205-1210				.001	<
							1210-1215				<	<
1220	100	62 shear					1215-1220				<	<
							1220-1225				.001	<

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERAL-IZATION	GRAPHIC LOG
1230	100	55/ py carb3 vn; 15 py vn; 27°/ SiO2 flush		~1% diss + vn py	
1240	99			1-2% fine diss + vn py	
1250	100	20 foliation 10-20°; 35		2% py; 2-3% fine diss + vn py	35; 64
1260	97	foliat 25	80 Cu CO3 vn	≤1% diss py; <1% diss + vn py	70
1270					

DESCRIPTION

1225 - 1244.4 LOWER BUD TUFF (continued)
description @ above

1218-1244.4 mod perv. bl, wk fracturing w/ grn (glauconite?) alt w/ py vns ~1/ft

1239.6-1242 w/ gray SiO_2 banded flush ~ 27° to CA w/ local pods of white clay ± sericite

1244.4 - 1270 JURRASSIC - MESOZOIC
Black carbonaceous shales, moderately foliated ~ 20-25° to CA. has shiny metallic shen w/ moderate calcite veining w/ local assoc. SiO_2 metamorphosed; weakly to mod silicified, local sandy bands

1252.7 - 1253.4 } Bleached lt grn r grn
1259 - 1260.8 } sandy sediment or questionable intrusive
very fine grained w/ glassy amber colored phenos?

1253.4 - 1259 w/ banded sandy units w/ banded pyrite, sandy bands very gravy

1270' T.D.

ASSAYS: Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
1225-1230				<	<
1230-1235				<	<
1235-1240				.001	<
1240-1244.4				.001	<
1244.4-1250				<	<
1250-1252.7				<	.15
1252.7-1253.4				<	<
1253.4-1255.5				<	.34
1255.5-1259				<	.15
1259-1260.8				<	.11
1260.8-1265				<	<
1265-1270				<	<

DRILL HOLE # RL-95C

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERAL-IZATION	GRAPHIC LOG	DESCRIPTION	ASSAYS: Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
465'		40 joint				465' Core Began						
							465-470				.001	<
470			$CaCO_3$ 50 VN				470-475				<	<
							475-480					
480			$CaCO_3$ 20 VN				480-485					
							485-490					
490		40 joint					490-495					
							495-500					
500							500-505					
							505-510					
510							510-515					
			$CaCO_3$ 60°				515-520					
520			20 $CaCO_3$				520-525					
							525-530					
530												

DRILL HOLE # RL-95C

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERAL-IZATION	GRAPHIC LOG	DESCRIPTION	ASSAYS: Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
							530-535				<	<
							535-539					
540			CaCO3 to 1" 40				539-542					
							542-545					
							545-550					
550		30 joint					550-555					
							555-560					
560							560-565				.015	<
			Py 25				565-570				<	<
570		CaCO3 25 60 joint					570-575					
							575-580					
580		35					580-585					
		15					585-590					
590		Flo banding					590-595					
							595-600					
600												

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERAL-IZATION	GRAPHIC LOG	DESCRIPTION
610						
620						
630						
640			Pv un 60; 20 40 clay; 40 10 joints		Silic un; bx; 60	
650						
660			10 joint; 50; 45 calc 70 joint; ½"			664.4
670						

ASSAYS: Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
600-605				<	<
605-610					
610-616					
616-620					
620-625					
625-630					
630-635					
635-640					
640-643					
643-647.6				.002	.12
647.6-650				<	<
650-654					
654-660					
660-665					
665-670					

DRILL HOLE # RL-95C

DEPTH (ft)	RECOVERY	Structure: Bd. Fol.	Structure: Faults	MINERALIZATION	GRAPHIC LOG	DESCRIPTION	ASSAYS: Sample No.	% Cu	% Pb	% Zn	oz/t Au	oz/t Ag
			45 Calc. VN 1/2"				670-675				<	<
680							675-680					
							680-685					
							685-690					
690							690-695					
							695-700					
700							700-705					
							705-710					
710							710-715					
							715-720					
720							720-725					
							725-730					
730							730-735					
							735-740					
740												

RL-95 6-28-90 1 of 5

RC Ø to 465'

Recovery Footage	% Recovery	Sample Interval	Lithology
465 - 472	7.9/7 = 113%	465-470	465-770 (TCT?)
472 - 477.5	4.6/5.5 = 84%	470-475	lt maroon, xtal poor,
477.5 - 482	4.6/4.5 = 102%	475-480	welded tuff
482 - 492	96%	480-485	[illegible]
492 - 497	4.5/5 = 90%	485-490	[illegible]
497 - 507	107%	490-495	
507 - 517	103%	495-500	539-580
517 - 527	100%	500-505	wht, to lt grn - peach
527 - 532	100%	505-510	blc xtal poor tuff
532 - 542	97%	510-515	FGT
542 - 552	98%	515-520	580-565
552 - 562	104%	520-525	buckshot pyrite, local
562 - 572	98%	525-530	FG
572 - 582 (8.2+	99%	530-535	
582 - 592	102%	535-539	590-595
592 - 602	97%	539-542	peach, blc
602 - 612	100%	542-545	wk unity.
612 - 622	99%	545-550	
622 - 632	100%	550-555	616-654
632 - 642	100%	555-560	peach, blc
642 - 652	100%	560-565	FGT
652 - 662	98%	565-570	643-647.6
662 - 672	99%	570-575	sulfides, qtz ovs
672 - 682	100%+	575-580 ✓	local abundant
682 - 692	98%+	580-585	slg bx zone, silicified
692 - 702	97%	585-590	644-645
702 - 712	99%	590-595	
712 - 722 (4+	100%	595-600	
		600-605	
		605-610	
		610-616	
		616-620	
		620-625	
		625-630	
		630-635	
		635-640	

RL-95 6-28-90 2 of 5

Recovery Footage	% Recovery	Sample Interval	Lithology
		640-643	
		643-647.6	
		647.6-650	
		650-654	
		654-660	
		660-665	
		665-670	
		670-675	
		675-680	
		680-685	
		685-690	
		690-695	
		695-700	
		700-705	
		705-710	
		710-715	
		715-720	

RL-95 6-29-90 3 of 5

Recovery Footage	% Recovery	Sample Interval	Lithology
722-732	97%	720-725	770-775
732-742	100%	725-730	Fault zone
742-752	99%	730-735	sty clay altered
752-762	98%	735-740	Contact w/
762-772	97%	740-745	epiclastic
772-782	90%	745-750	
782-792	100%	750-755	Bed? 775-962.4
792-802	99%	755-760	unsrtd clast epiclastic
802-812	98%	760-762	up to 6" overall, brown-rol
812-822	96%	762-765 765-770	matrix, overall unaltered
822-832	100%+	770-775	775-795
832-842	100%+	775-780	lt gray-green,
842-852	100%	780-785	blc, clay alt
852-862	98%	785-790	
862-872	~~1.6+~~ 98%	790-795	810-814
872-882	100%	795 800	sty arg. fault zone
882-892	92%	800-805	wht blc.
892-902	105%	805-810	
902-912	103%	810-814	865-920
912-922	97%	814-820	lt gray, alt, blc
922-932	99%	820 825	epiclastic
932-942	98%	825-830	
942-952	99%	830-835	920-962.4
952-962	100%	835-840	sulfide veining
962-972	100%+	840-845	pink-wht, lt gray alt
972-974	50%	845-850	mod local veining
974-977	1.6/3 => 53%	850-855	
977-982	3/5 => 60%	855-860	* 962.4-977
982-987	100%	860-865 ✓	fault zone,
987-992	100%	865-870	sty clay alt
992-1001	7.8/9 => 87%	870-875	epiclastic/FGT contact
1001-1011	100%	875-880 (Dozer)	977-
1011-	8.7+	880-885	lt gray, FGT to wht, blc
		885-890	w/wk local red RSL
		890-895	veining
		895-900	
		900-905	

RL-95 6-29-90 4 of 5

Recovery Footage	% Recovery	Sample Interval	Lithology
1011-1021	95%	905-910	
1021-1031.5	10.4/10.5 = 99%	910-915	* 1045-1050
1031.5-1042	10.5/10.5 = 100%	915-920	sly sulfide veining
1042-1052	100%	920-925	+ bx + brecciated
1052-1062	100%	925-930	pyrite
1062-1071	8.5/9 = 94%	930-935	
1071-1077	5.5/6 92%	935-940	* 1100-1102
1077-1082.5	5.5/5.5 = 100%	940-945	sly silicified bx
1082.5-1089.5	7/7 = 100%	945-950	zone, sly sulfide
1089.5-1099.5	102%	950-955	veining
1099.5-1110	10.4/10.5 = 99%	955-960	
1110-1116	6/6 = 100%	960-962.4	* 1110-1244.4
1116-1126	100%+	962.4-966	mod-sly sulfide
1126-1131	5.8/5 116%	966-970	veining
1131-1141	104%	970-974	sly blk, wht.
1141-1152	9.9/11 = 90%	974-977	FGT
1152-	(4.6+	977-982	
		982-985	
		982-990	
		990-995	
		995-1000.5	
		1000.5-1005	
		1005-1010	
		1010-1015	
		1015-1020 ✓	
		1020-1025	
		1025-1030	
		1030-1035	
		1035-1040	
		1040-1045	
		1045-1050	
		1050-1055	
		1055-1060	
		1060-1065	
		1065-1070	
		1070-1075	
		1075-1079	

Recovery Footage	% Recovery
1152 - 1162 ~~(4.6+~~	100%
1162 - 1172	100%
1172 - 1182	97%
1182 - 1192	98%
1192 - 1202	97%
1202 - 1212	96%
1212 - 1222	100%+
1222 - 1232 ~~(4.2+~~	100%+
1232 - 1242	100%+
1242 - 1252 ~~(8.5+~~	99%
1252 - 1261	100%
1261 - 1270 TD	8.7/9 => 97%

Sample Interval	Lithology
1079 - 1083.7	
1083.7 - 1085	
1085 - 1090	1192.6 - 1193.1
1090 - 1095	silicified, clay
1095 - 1100	gouge, fault
1100 - 1102	zone
1102 - 1105	
1105 - 1110	
1110 - 1115	
1115 - 1120	
1120 - 1125	
1125 - 1130	
1130 - 1135	
1135 - 1140	
1140 - 1145	
1145 - 1150	1244.4 - 1270
1150 - 1155	Ka contact
1155 - 1160 ✓	Blk shales w/
1160 - 1165	sulfide horizons,
1165 - 1170	slg bx.
1170 - 1175	w/ Fn qm intrusive
1175 - 1180	dikes
1180 - 1185	
1185 - 1190	1252.7 - 1253.4
1190 - 1192.6	wht, aplitic
1192.6 - 1193.1	dike
1193.1 - 1195	
1195 - 1200	1259 - 1260.8
1200 - 1205	wht, aplitic
1205 - 1210	dike, crit
1210 - 1215	ow + wk
1215 - 1220	sulfides,
1220 - 1225	
1225 - 1230	1252.7 - 1253.4
1230 - 1235	1253.4 - 1255.5
1235 - 1240	1255.5 - 1259
1240 - 1244.4	1259 - 1260.8
1244.4 - 1250	1260.8 - 1265
✓ 1250 - 1258.7	1265 - 1270

NEVADA GSI

JUL 23 1990

GEOCHEMICAL ANALYSIS REPORT

July 18, 1990

CUST. CODE: LOA
PROJECT: URBD-79014
P.O. #: XXXX
LOT ID: 7740

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-95	0	5	-0.001	-0.10
2.	RL-95	5	10	-0.001	-0.10
3.	RL-95	10	15	-0.001	-0.10
4.	RL-95	15	20	-0.001	-0.10
5.	RL-95	20	25	-0.001	-0.10
6.	RL-95	25	30	-0.001	-0.10
7.	RL-95	30	35	-0.001	-0.10
8.	RL-95	35	40	-0.001	-0.10
9.	RL-95	40	45	-0.001	-0.10
10.	RL-95	45	50	-0.001	-0.10
11.	RL-95	50	55	-0.001	-0.10
12.	RL-95	55	60	-0.001	-0.10
13.	RL-95	60	65	-0.001	-0.10
14.	RL-95	65	70	-0.001	-0.10
15.	RL-95	70	75	-0.001	-0.10
16.	RL-95	75	80	-0.001	-0.10
17.	RL-95	80	85	-0.001	-0.10
18.	RL-95	85	90	-0.001	-0.10
19.	RL-95	90	95	-0.001	-0.10
20.	RL-95	95	100	-0.001	-0.10
21.	RL-95	100	105	-0.001	-0.10
22.	RL-95	105	110	-0.001	-0.10
23.	RL-95	110	115	-0.001	-0.10
24.	RL-95	115	120	-0.001	-0.10
25.	RL-95	120	125	-0.001	-0.10
26.	RL-95	125	130	-0.001	-0.10
27.	RL-95	130	135	-0.001	-0.10
28.	RL-95	135	140	-0.001	-0.10
29.	RL-95	140	145	-0.001	-0.10
30.	RL-95	145	150	-0.001	-0.10

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

	SAMPLE I.D.			Au o/t	Ag o/t
31.	RL-95	150	155	-0.001	-0.10
32.	RL-95	155	160	-0.001	-0.10
33.	RL-95	160	165	-0.001	-0.10
34.	RL-95	165	170	-0.001	-0.10
35.	RL-95	170	175	-0.001	-0.10
36.	RL-95	175	180	-0.001	-0.10
37.	RL-95	180	185	-0.001	-0.10
38.	RL-95	185	190	-0.001	-0.10
39.	RL-95	190	195	-0.001	-0.10
40.	RL-95	195	200	-0.001	-0.10
41.	RL-95	200	205	-0.001	-0.10
42.	RL-95	205	210	-0.001	-0.10
43.	RL-95	210	215	-0.001	-0.10
44.	RL-95	215	220	-0.001	-0.10
45.	RL-95	220	225	-0.001	-0.10
46.	RL-95	225	230	-0.001	-0.10
47.	RL-95	230	235	-0.001	-0.10
48.	RL-95	235	240	-0.001	-0.10
49.	RL-95	240	245	-0.001	-0.10
50.	RL-95	245	250	-0.001	-0.10
51.	RL-95	250	255	-0.001	-0.10
52.	RL-95	255	260	-0.001	-0.10
53.	RL-95	260	265	-0.001	-0.10
54.	RL-95	265	270	-0.001	-0.10
55.	RL-95	270	275	-0.001	-0.10
56.	RL-95	275	280	-0.001	-0.10
57.	RL-95	280	285	-0.001	-0.10
58.	RL-95	285	290	-0.001	-0.10
59.	RL-95	290	295	-0.001	-0.10
60.	RL-95	295	300	-0.001	-0.10
61.	RL-95	300	305	-0.001	-0.10
62.	RL-95	305	310	-0.001	-0.10
63.	RL-95	310	315	-0.001	-0.10
64.	RL-95	315	320	-0.001	-0.10
65.	RL-95	320	325	-0.001	-0.10
66.	RL-95	325	330	-0.001	-0.10
67.	RL-95	330	335	-0.001	-0.10
68.	RL-95	335	340	-0.001	-0.10
69.	RL-95	340	345	-0.001	-0.10
70.	RL-95	345	350	-0.001	-0.10
71.	RL-95	350	355	-0.001	-0.10
72.	RL-95	355	360	-0.001	-0.10
73.	RL-95	360	365	-0.001	-0.10
74.	RL-95	365	370	-0.001	-0.10
75.	RL-95	370	375	-0.001	-0.10

	SAMPLE I.D.			Au o/t	Ag o/t
76.	RL-95	375	380	-0.001	-0.10
77.	RL-95	380	385	-0.001	-0.10
78.	RL-95	385	390	-0.001	-0.10
79.	RL-95	390	395	-0.001	-0.10
80.	RL-95	395	400	-0.001	-0.10
81.	RL-95	400	405	-0.001	-0.10
82.	RL-95	405	410	-0.001	-0.10
83.	RL-95	410	415	-0.001	-0.10
84.	RL-95	415	420	-0.001	-0.10
85.	RL-95	420	425	-0.001	-0.10
86.	RL-95	425	430	-0.001	-0.10
87.	RL-95	430	435	-0.001	-0.10
88.	RL-95	435	440	-0.001	-0.10
89.	RL-95	440	445	-0.001	-0.10
90.	RL-95	445	450	-0.001	-0.10
91.	RL-95	450	455	-0.001	-0.10
92.	RL-95	455	460	-0.001	-0.10
93.	RL-95	460	465	-0.001	-0.10

THIS REPORT REVIEWED AND APPROVED BY:

Richard A. Grondin

RICHARD GRONDIN, LABORATORY MANAGER

copy

NEVADA GSI

AUG 0 9 1990

GEOCHEMICAL ANALYSIS REPORT

August 6, 1990

CUST. CODE: LOA
PROJECT: URBD
P.O. #: XXXX
LOT ID: 7863

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-95C	465	470	0.001	-.10
2	RL-95C	470	475	-0.001	-.10
3	RL-95C	475	480	-0.001	-.10
4	RL-95C	480	485	-0.001	-.10
5	RL-95C	485	490	-0.001	-.10
6	RL-95C	490	495	-0.001	-.10
7	RL-95C	495	500	-0.001	-.10
8	RL-95C	500	505	-0.001	-.10
9	RL-95C	505	510	-0.001	-.10
10	RL-95C	510	515	-0.001	-.10
11	RL-95C	515	520	-0.001	-.10
12	RL-95C	520	525	-0.001	-.10
13	RL-95C	525	530	-0.001	-.10
14	RL-95C	530	535	-0.001	-.10
15	RL-95C	535	539	-0.001	-.10
16	RL-95C	539	542	-0.001	-.10
17	RL-95C	542	545	-0.001	-.10
18	RL-95C	545	550	-0.001	-.10
19	RL-95C	550	555	-0.001	-.10
20	RL-95C	555	560	-0.001	-.10
21	RL-95C	560	565	0.013	-.10
22	RL-95C	565	570	-0.001	-.10
23	RL-95C	570	575	-0.001	-.10
24	RL-95C	575	580	-0.001	-.10
25	RL-95C	580	585	-0.001	-.10
26	RL-95C	585	590	-0.001	-.10
27	RL-95C	590	595	-0.001	-.10
28	RL-95C	595	600	-0.001	-.10
29	RL-95C	600	605	-0.001	-.10
30	RL-95C	605	610	-0.001	-.10
31	RL-95C	610	616	-0.001	-.10
32	RL-95C	616	620	-0.001	-.10
33	RL-95C	620	625	-0.001	-.10

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	SAMPLE I.D.			Au o/t	Ag o/t
34	RL-95C	625	630	-0.001	-.10
35	RL-95C	630	635	-0.001	-.10
36	RL-95C	635	640	-0.001	-.10
37	RL-95C	640	643	-0.001	-.10
38	RL-95C	643	647.6	0.002	0.12
39	RL-95C	647.6	650	-0.001	-.10
40	RL-95C	650	654	-0.001	-.10
41	RL-95C	654	660	-0.001	-.10
42	RL-95C	660	665	-0.001	-.10
43	RL-95C	665	670	-0.001	-.10
44	RL-95C	670	675	-0.001	-.10
45	RL-95C	675	680	-0.001	-.10
46	RL-95C	680	685	-0.001	-.10
47	RL-95C	685	690	-0.001	-.10
48	RL-95C	690	695	-0.001	-.10
49	RL-95C	695	700	-0.001	-.10
50	RL-95C	700	705	-0.001	-.10
51	RL-95C	705	710	-0.001	-.10
52	RL-95C	710	715	-0.001	-.10
53	RL-95C	715	720	-0.001	-.10
54	RL-95C	720	725	-0.001	-.10
55	RL-95C	725	730	-0.001	-.10
56	RL-95C	730	735	-0.001	-.10
57	RL-95C	735	740	-0.001	-.10
58	RL-95C	740	745	-0.001	-.10
59	RL-95C	745	750	-0.001	-.10
60	RL-95C	750	755	-0.001	-.10
61	RL-95C	755	760	-0.001	-.10

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This report reviewed and approved by:

Richard A Grondin

Richard Grondin, Laboratory Director

NEVADA GSI

AUG 0 2 1990

GEOCHEMICAL ANALYSIS REPORT

August 1, 1990

CUST. CODE: LOA
PROJECT: URBD
P.O. #: XXXX
LOT ID: 7883

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-95C	760	762	-.001	-.10
2	RL-95C	762	767	-.001	-.10
3	RL-95C	767	770	-.001	-.10
4	RL-95C	770	775	-.001	-.10
5	RL-95C	775	780	-.001	-.10
6	RL-95C	780	785	-.001	-.10
7	RL-95C	785	790	-.001	-.10
8	RL-95C	790	795	-.001	-.10
9	RL-95C	795	800	-.001	-.10
10	RL-95C	800	805	-.001	-.10
11	RL-95C	805	810	-.001	-.10
12	RL-95C	810	814	-.001	-.10
13	RL-95C	814	820	-.001	-.10
14	RL-95C	820	825	-.001	-.10
15	RL-95C	825	830	-.001	-.10
16	RL-95C	830	835	-.001	-.10
17	RL-95C	835	840	-.001	-.10
18	RL-95C	840	845	-.001	-.10
19	RL-95C	845	850	-.001	-.10
20	RL-95C	850	855	-.001	-.10
21	RL-95C	855	860	-.001	-.10
22	RL-95C	860	865	-.001	-.10
23	RL-95C	865	870	-.001	-.10
24	RL-95C	870	875	0.002	-.10
25	RL-95C	875	880	-.001	-.10
26	RL-95C	880	885	-.001	-.10
27	RL-95C	885	890	-.001	-.10
28	RL-95C	890	895	0.001	-.10
29	RL-95C	895	900	-.001	-.10
30	RL-95C	900	905	-.001	-.10
31	RL-95C	905	910	-.001	-.10
32	RL-95C	910	915	-.001	-.10
33	RL-95C	915	920	-.001	-.10
34	RL-95C	920	925	0.003	-.10

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	SAMPLE I.D.			Au o/t	Ag o/t
35	RL-95C	925	930	-.001	-.10
36	RL-95C	930	935	0.003	-.10
37	RL-95C	935	940	0.001	-.10
38	RL-95C	940	945	-.001	-.10
39	RL-95C	945	950	-.001	-.10
40	RL-95C	950	955	-.001	-.10

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This report reviewed and approved by:

Richard A. Grondin

Richard Grondin, Laboratory Director

NEVADA GSI

JUL 31 1990

GEOCHEMICAL ANALYSIS REPORT

July 28, 1990

CUST. CODE: LOA
PROJECT: URBD-79014
P.O. #: XXXX
LOT ID: 7821

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-92C	290	295	-0.001	-0.10
2.	RL-92C	295	300	-0.001	-0.10
3.	RL-92C	300	304.2	-0.001	-0.10
4.	RL-92C	304.2	310	-0.001	-0.10
5.	RL-92C	310	315	-0.001	-0.10
6.	RL-92C	315	320	-0.001	-0.10
7.	RL-92C	320	323.4	-0.001	-0.10
8.	RL-92C	323.4	327	-0.001	-0.10
9.	RL-92C	327	332	-0.001	-0.10
10.	RL-92C	332	337	-0.001	-0.10
11.	RL-92C	337	342	-0.001	-0.10
12.	RL-92C	342	347	-0.001	-0.10
13.	RL-92C	347	352	-0.001	-0.10
14.	RL-92C	352	357	-0.001	-0.10
15.	RL-92C	357	362	-0.001	-0.10
16.	RL-92C	362	367	-0.001	-0.10
17.	RL-92C	367	372	-0.001	-0.10
18.	RL-92C	372	377	-0.001	-0.10
19.	RL-92C	377	382	-0.001	-0.10
20.	RL-95C	955	960	-0.001	-0.10
21.	RL-95C	960	962.4	-0.001	-0.10
22.	RL-95C	962.4	966	0.002	-0.10
23.	RL-95C	966	970	0.029	-0.10
24.	RL-95C	970	974	0.008	-0.10
25.	RL-95C	974	977	0.012	-0.10
26.	RL-95C	997	982	-0.001	-0.10
27.	RL-95C	982	985	-0.001	-0.10
28.	RL-95C	985	990	-0.001	-0.10
29.	RL-95C	990	995	-0.001	-0.10
30.	RL-95C	995	1000.5	-0.001	-0.10
31.	RL-95C	1000.5	1005	-0.001	-0.10
32.	RL-95C	1005	1010	0.001	-0.10
33.	RL-95C	1010	1015	0.001	-0.10
34.	RL-95C	1015	1020	-0.001	-0.10

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	SAMPLE I.D.			Au o/t	Ag o/t
35.	RL-95C	1020	1025	-0.001	-0.10
36.	RL-95C	1025	1030	-0.001	-0.10
37.	RL-95C	1030	1035	0.006	-0.10
38.	RL-95C	1035	1040	0.001	-0.10
39.	RL-95C	1040	1045	0.001	-0.10
40.	RL-95C	1045	1050	0.002	-0.10
41.	RL-95C	1050	1055	0.001	-0.10
42.	RL-95C	1055	1060	0.001	-0.10
43.	RL-95C	1060	1065	0.001	-0.10
44.	RL-95C	1065	1070	0.001	-0.10
45.	RL-95C	1070	1075	0.002	-0.10
46.	RL-95C	1075	1079	0.002	0.12
47.	RL-95C	1079	1083.7	0.002	-0.10
48.	RL-95C	1083.7	1085	-0.001	-0.10
49.	RL-95C	1085	1090	-0.001	-0.10
50.	RL-95C	1090	1095	-0.001	-0.10
51.	RL-95C	1095	1100	-0.001	-0.10
52.	RL-95C	1100	1102	0.003	0.20
53.	RL-95C	1102	1105	0.001	-0.10
54.	RL-95C	1105	1110	0.001	-0.10
55.	RL-95C	1110	1115	0.001	0.12
56.	RL-95C	1115	1120	0.002	0.12
57.	RL-95C	1120	1125	-0.001	0.10
58.	RL-95C	1125	1130	-0.001	-0.10
59.	RL-95C	1130	1135	-0.001	-0.10
60.	RL-95C	1135	1140	-0.001	-0.10
61.	RL-95C	1140	1145	-0.001	-0.10
62.	RL-95C	1145	1150	-0.001	0.17
63.	RL-95C	1150	1155	-0.001	0.13
64.	RL-95C	1155	1160	0.004	0.18
65.	RL-95C	1160	1165	-0.001	0.11
66.	RL-95C	1165	1170	-0.001	-0.10
67.	RL-95C	1170	1175	-0.001	-0.10
68.	RL-95C	1175	1180	0.001	-0.10
69.	RL-95C	1180	1185	-0.001	-0.10
70.	RL-95C	1185	1190	-0.001	-0.10
71.	RL-95C	1190	1192.6	-0.001	-0.10
72.	RL-95C	1192.6	1193.1	0.014	-0.10
73.	RL-95C	1193.1	1195	-0.001	-0.10
74.	RL-95C	1195	1200	-0.001	-0.10
75.	RL-95C	1200	1205	0.002	-0.10
76.	RL-95C	1205	1210	0.001	-0.10
77.	RL-95C	1210	1215	-0.001	-0.10
78.	RL-95C	1215	1220	-0.001	-0.10
79.	RL-95C	1220	1225	0.001	-0.10
80.	RL-95C	1225	1230	-0.001	-0.10
81.	RL-95C	1230	1235	-0.001	-0.10
82.	RL-95C	1235	1240	0.001	-0.10

	SAMPLE I.D.			Au o/t	Ag o/t
83.	RL-95C	1240	1244.4	0.001	-0.10
84.	RL-95C	1244.4	1250	-0.001	-0.10
85.	RL-95C	1250	1252.7	-0.001	0.15
86.	RL-95C	1252.7	1253.4	-0.001	-0.10
87.	RL-95C	1253.4	1255.5	-0.001	0.34
88.	RL-95C	1255.5	1259	-0.001	0.15
89.	RL-95C	1259	1260.8	-0.001	0.11
90.	RL-95C	1260.8	1265	-0.001	-0.10
91.	RL-95C	1265	1270	-0.001	-0.10

This report reviewed and approved by:

Richard A. Grondin

Richard Grondin, Laboratory Director

RL-95 SUMMARY LOG

Rotary by DAM:

0-45 FGT - dk bwn
45-115 Crystal Tuff - oxidized + wk bl
115-465 FGT purple grey

CORE by KLK:

465-770.5 FGT - light lilac gray
770.5-772.2 FAULT-SHEAR gouge zone

914 ↓ BUD?

772.2-967 LLT C1C into C2C graded & innerbedded throughout
941.2-967 TRANSITION LLT→LBT red bwn into green
967-1244.4 LBT
1244.4-1270 Mesozoic black carbonaceous shales