60001639

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-261C
AUTHOR	K. Kerner; T. Kuhl; V. Peterson
DATE OF DOC(S)	1992
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; Bondar-Clegg Inc; Barringer Laboratories Inc
COMMODITY If not obvious	gold silver
NOTES	Drill log; geology; assay; total depth 1210' handwritten notes ~~50~~ p. 52

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 6/2/08
Initials Date
DB: mah
Initials Date
SCANNED: NV Blue
Initials Date

Revised: 1/22/08

DRILL LOG
ROsebud

RL-261 C

60001639 4010

L0001139

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

DRILL LOG SUMMARY SHEET

PROJECT Rosebud

HOLE NUMBER RL-261C TOTAL DEPTH 1210' LOGGED BY KLK

Date started 4-1/92

Date completed 4-7-92

Initial bearing S45W

Initial inclination 60°

Elevation

Collar coordinates:

N

E

Contractor: COATES / MAJOR RC 0-515 Core 515-1210

Drill Type: UDR

Hole Size: HQ

Drilling Conditions: good

Footage: Wet / Dry

Comments:

DOWN HOLE SURVEY INFORMATION

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

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

DRILL HOLE RL-261

Page 1 of 6

FINE-GRAINED TUFF
BEDDED BUD LLT
VOLCANICLASTIC
PORPHYRITIC TUFF
FLOW BANDED TUFF

VEIN TYPES

DRUZY QUARTZ
Xc CHALCEDONIC
Xk STOCKWORK
Ca CALCITE
HYDROTHERMAL BRECCIA VNS
Ba BARITE

LOGGED BY KLK

FT.	LITHO	FRACTS FAULTS	VEIN TYPES	BLEACH W	BLEACH M	BLEACH S	CLAY W	CLAY M	CLAY S	SILIC W	SILIC M	SILIC S	COLOR	% FeOx W	% FeOx M	% FeOx S	% SULF.	COMMENTS	ROD CONN.	Ag	Au	✓
		OUESTION FAULT											Golden orange				tr limon replac py	0-15 Could be overburden or else a fault zone w/in		.04	.003	.003
05													"					CT w/ m-s XX, VNS, S Ox		.07	.004	
10													"							.05	.006	
15	CT												lt grn + butter yellow					15-515 CHOCOLATE FINE GRAINED ± LLT TUFF		.03	.002	
20													"					15-70 oxidized CT peru. bl + argillic alt.		.02	.003	
25													"					Poss. intermittent silicif. weak local druzy qtz VNS		.02	.003	
30													"					w/ assoc. limonitic clays weak local stkwk qtz VNS. intermittent strong		.02	.001	
35													lt sage green rock					limonitic clay alteration. Nil to tr. limon. replac py.		.03	.004	
40													w/ golden org oxide							.02	.001	
45													"							.04	.001	
50													"				<1% diss py			.04	.007	
55													"							.02	.001	
60													medium army green							.01	<	
65													" w/ golden orange							.01	.001	
70													medium army green					70-100 Light to medium gray Ox RED		.01	<	
75													"				2-3% diss tr py	green FGT wkbl w/ weak peru. red orange fracture staining; w-wm peru.		.01	<	
80													"					bleaching, weak druzy qtz stockwork veining; qtz encap. pyrite veins		.16	.002	
85													"				3-4% @ above			.07	.003	
90													org-peach + grn				"			.05	.003	
95													"				±1% diss tr py			.02	<	
100																						

NOTE SULFIDES IN COMMENTS: Py Mc Cp Pr Sb

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

DRILL HOLE RL-261

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FINE-GRAINED TUFF
BEDDED BUD LLT
VOLCANICLASTIC
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FT.	LITHO	FRACTS FAULTS	VEIN TYPES	BLEACH W	BLEACH M	BLEACH S	CLAY W	CLAY M	CLAY S	SILIC W	SILIC M	SILIC S	COLOR	% FeOx W	% FeOx M	% FeOx S	% SULF.	COMMENTS	ROD CONN.	Ag	Au	✓
	CT		Xk Xc? qtz py ±cpy										Lt sage green to gray white				±1% diss tvn py	100-220 CT-FGT predom gray white w/ hint green hue. Intermittently riddled w/ limonitic fractures		.03	<	
105																	"			.01		
110																	@ 2%	could poss. be intermittently silicified - weakly. weak		.01		
115																	2-3% @ above	to mod intermittent druzy qtz veins locally encapsulating		.04	.002	
120																	1-2%	py. Could poss - have local cpy. Intermittent local		.03	.002	
125																	↓	amber brown chalcedony veins. Local intermittent		.02	.001	
130																	2-3% py ±cpy	org. burn/perv. alt.		.04	.002	
135																	1-2%	poss. clay gouge zone		.06	.015	.014
140																				.09	.005	
145																				.09	.008	
150																				.07	.014	
155																				.03	.001	
160																	±3%	↑ argillic clay alt.		.07	.002	
165																	3-4%			.04	.003	
170																				.05	.002	
175																	±2%			.04	.004	
180																		Increased orange burn perv. alt		.03	.001	
185																				.02	<	
190																				.01	<	
195																				.01	<	
200																		predom med brownish gray clay or sample wash & washed appropriately				

NOTE SULFIDES IN COMMENTS: Py Mc Cp Pr Sb

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

DRILL HOLE RL-261

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FINE-GRAINED TUFF
BEDDED BUD LLT
VOLCANICLASTIC
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FLOW BANDED TUFF

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FT.	LITHO	FRACTS FAULTS	VEIN TYPES	BLEACH W	BLEACH M	BLEACH S	CLAY W	CLAY M	CLAY S	SILIC W	SILIC M	SILIC S	COLOR	% FeOx W	% FeOx M	% FeOx S	% SULF.	COMMENTS	ROD CONN.	Ag	Au	✓
	CT		Xc										red bwn hint grn				1-2% diss + vn py	200-220 w/ ↓ alt - bl, clay; overall 200-205 ms amber brown alt - related to chalced?		.01	<	
205			weak Xc										Lt sage green					peru. lt green ↓ overall veining		.01	<	
210													"							<	<	
215													"				<1% diss + limon replac py					
220			FRESH										gray w/ hemiti	H			NIL to	220-260 FRESH CT w/ plag.-black biotite				
225													fract peru flush	E			tr diss py	phenos w/in gray tuff. matrix, weak peru.				
230														M				hemititic alt ; hemititic fractures				
235														I								
240														T								
245														I								
250														T								
255														I								
260			tr Xk ± FeOp										Lt sage green	C			<1% diss py	260-303 Weak to wkly-mod bl CT decrease to non EXISTANT veining weak ~ alt Overall		.01	<	
265																				.02	.001	
270																	2-3%	v. weak alt CT		.03	.001	
275																	±1%			.01	<	
280																	<1% diss py			.01	<	
285																				.01	<	
290													gry + grn					↓ in bleaching		.01	<	
295													Lt grn + buff							.01	<	
300																						

NOTE SULFIDES IN COMMENTS: Py Mc Cp Pr Sb

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

DRILL HOLE RL-261

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FINE-GRAINED TUFF
BEDDED BUD LLT
VOLCANICLASTIC
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	GT		tr Xk FRESH w/ wk hemititic fractures										ltgrn LT gray w/ hemititic fracts		H E M I T I T I C FRACTURES		<1% py NIL to tr diss py	303 – 440 Relatively fresh GT – lt gray tuff w/ 3-5% plag phenos ± biotite & locally hemitite altered. pervasive hemititic fractures – unmineralized		.01	<	<
305																				.01	<	
310																						
315																						
320																						
325																						
330																						
335																						
340																						
345																						
350																						
355																						
360																						
365																						
370																						
375																						
380																						
385																						
390																						
395																						
400																						

NOTE SULFIDES IN COMMENTS: Py Mc Cp Pr Sb

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

DRILL HOLE RL-261

VEIN TYPES

- FINE-GRAINED TUFF
- BEDDED BUD LLT
- VOLCANICLASTIC
- PORPHYRITIC TUFF
- FLOW BANDED TUFF
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LOGGED BY KLK

FT.	LITHO	FRACTS FAULTS	VEIN TYPES	BLEACH W	BLEACH M	BLEACH S	CLAY W	CLAY M	CLAY S	SILIC W	SILIC M	SILIC S	COLOR	% FeOx W	% FeOx M	% FeOx S	% SULF.	COMMENTS	ROD CONN.	Ag	Au	✓
	CT		Fresh unalt										Lt gray w/				NIL to tr	400-440 Fresh CT described @ above				
405													hemitic fracts				py	w/ hemititic fractures				
410																						
415																						
420																						
425																						
430																						
435																						
440			Xk HTM										gray green				tr diss py	440-515 CT moderatly bleached, the bleaching				
445													v. lt sage grn				<1% diss py	grades from weak to				
450																		mod strong w/ depth w/				
																	≤1% "	w/ perv. argillic alt. weak druzy qtz veins		.02	<	
455																						
																	1-2% vnt diss py	locally encapsulating py. Poss w/ tr celadonite		.03	<	
460													gray white hint grn				~2% "	alt. weak to mod intermittent. stkwk qtz vns		.05	.012	.011
465																	2-3% "	Begin to pick calcite veins w/ depth		.09	.006	
470			Xc Xk HTM										buff gray white					Introduction of amber		.11	.002	
475																		brown chalced. veins poss w/		.14	.002	
480		tr Calcite w/															w/cpy	local v. fine diss sulfides		.12	.004	
485																				.06	.002	
490																	1-2% diss tvn py			.01	.001	
495																	"			.01	<	
500																						

NOTE SULFIDES IN COMMENTS: Py Mc Cp Pr Sb

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

DRILL HOLE RL-261

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VEIN TYPES

- FINE-GRAINED TUFF
- BEDDED BUD LLT
- VOLCANICLASTIC
- PORPHYRITIC TUFF
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- Xc CHALCEDONIC
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FT.	LITHO	FRACTS FAULTS	VEIN TYPES	BLEACH W	BLEACH M	BLEACH S	CLAY W	CLAY M	CLAY S	SILIC W	SILIC M	SILIC S	COLOR	% FeOx W	% FeOx M	% FeOx S	% SULF.	COMMENTS	ROD CONN.	Ag	Au	✓
	CT		Xc Ca Xk										lt bun tan amber org bun				±2% diss ±vn py	500-515 same @ describ above w/ ↑ amber org bun		.01	<	
505	↓		↓										↓				↓	chalced. veins; mottled alt. ↓ veining relative to above. weak calcite		.01	<	
510																		veining ↓		.01	<	
515																		T.D.				
20																						
25																						
30																						
35																						
40																						
45																						
50																						
55																						
60																						
65																						
70																						
75																						
80																						
85																						
90																						
95																						
00																						

NOTE SULFIDES IN COMMENTS: Py Mc Cp Pr Sb

ROSEBUD PROJECT

HOLE NO. RL-261C LOGGED BY KLK DATE 4-16-92 PAGE 1 OF 11

BOX #	DEPTH (FT)	RECOVERY	STRUCTURE: FLOW + VEIN ∢ + BEDDING	STRUCTURE: FAULTS	% METALLICS	GRAPHIC LOG	ALTERATION	COLOR	VEIN TYPES /WIDTHS	VEINS PER FOOT	RQD
	515										
1	520	100 / 97			1-2% diss + un py	LBF	mbl w hemitic tr green fracts	buff tr grn w hemit stain fracts	only hair line Xk	0 sign @ Xk @ 20-50	95
2	530	100			2-3% py + dk gray to black mr				hairline 20°/35° Xk	7-9	89
3	540	94	40° / 30° flo		1-2% diss + un py				0-10° ± 50° py vno	~2	100
4	550	102							only hair-line Xk	0 sign Xk @ 20-50	75
5	560	98									96
6	570	100 / 100	40° / 60° flo		~2% + @ above				60-80° ± 0-20°	9 10	80
7		97									89 / 93

DESCRIPTION

CT: 515-675.2

CORE BEGAN @ 515'

515-577.8 CT - predom. fine grained w/ few local pseudo flo banded intervals. Intermittent ±2% clay, py or chlor. alt. phenos however not like Tmb - they have irregular xtaline form. Intermittent hairline hemititic fracts w/ burg/bwn chalced. w/ local green chlorite looking mineral + local $CaCO_3$. Locally - texture is a volc. bxa to a lithic lapilli tuff w/ tuffaceous matrix of same composit. Clasts are sub rounded to sub A. weak local buckshot pyrite blebs.

Veining present: fine hairline stkwk riddled thru-out w/ burgundy stain ± chlorite ± py ± $CaCO_3$ + local amber bwn chalcedony stringers

Sign vno: ≤1-2mm fine py vno w/ local black to dk gray mineral ? goetite or mgO ?

ASSAYS

SAMPLE NO.	oz/t Au	✓ Au	oz/t Ag	✓ Ag	% Cu
515-519	.001	<	.01		
519-524	<		.01		
524-529	.004	.004	.23		
529-533	<		.03		
533-538	.001		.02		
538-543	<		.01		
543-548	<		.01		
548-553	<		.01		
553-558	<	<	<		
558-563	<		<		
563-568	.001		.04		
568-573	<		.01		

ROSEBUD PROJECT

HOLE NO. RL-261C LOGGED BY KLK DATE 4-16-92 PAGE 2 OF 11

BOX #	DEPTH (FT)	RECOVERY	STRUCTURE: FLOW + VEIN ∢ + BEDDING	STRUCTURE: FAULTS	% METALLICS	GRAPHIC LOG	ALTERATION	COLOR	VEIN TYPES /WIDTHS	VEINS PER FOOT	RQD
7					± 2% diss + vn py		m bl w ~ w hemit. tr grn fracts				
8	580	100						buff w tr grn clasts burg brn matrix	1-2 mm qtz py vns 20° SS to CA	.1-.2 ft	93
9	590	100							60-90°	10-20 blk stringers	91
10	600	100									95
11	610	100									92
12	620	95	30° gouge		~3% diss bucl + vn py	gouge	m bl m-s bl s ~ w grn	lt sage green	gouge 55-70°	3-5	58
13	630	98	25° ∢ vn contact		3-4% diss + vn py	25°	m bl w ~ m xx w mustard stain	gray buff	5-30° fine string 30-50°	15-20	64
14	640	98			2-3%	gouge	m bl m s ~ w grn m bl m s xx m s bl s ~ local	green gray lt grn	gouge rubble +		51

DESCRIPTION

SRF: 623 - 675.2

577.8 - 615.8 CT - volc bxa to LLT - clast rich w/ tuffaceous matrix of same composition clasts are FGT, subangular to subrounded - ranging and averaging 1-30 mm. clasts are bleached to buff w/ local hint green. matrix is pervasively burgundy gray. weak to mod fine hairline stockwork veining composed of a variety of OR: 1) qtz, local py 2) green clay 3) amber brn chalced. (these don't influence mineralization.

more prominent veining consists of 1-3mm druzy qtz encapsula tcd quartz + chalcopy. locally + local touch o' clay - lt (very) green brittle clay. + local intermittent $CaCO_3$.

there are also fine black vein stringers of unknown name?

615.8 - 617 Lr to mod sage green clay gouge w/ paper thin laminations of $CaCO_3$ & weak golden oxide fracture stains

617 - 623 Fine grained tuff w/ ± 2% chlorite? or clay alt phenos ≠ Tmb? w/ m perv. ~ alt. w/ m buckshot py blebs. ± 1mm

623 - 638 Breccia - secondary w/ intermitt. perv. & silica flooding, peach tan to gray w/ at least 2 stgs Δ, w/ local m ~ zoned. Host poss LLT vs. FGT. 2 prominent vein types: 1) pure white clay 2) druzy qtz lined vns w/ py ± local clay-white may have some component of xtal rich unit

635.5 - 637.1 w/ prominent strong lt green platy argillic clay laminations & perv. ~ alt

ASSAYS

SAMPLE NO.	oz/t Au	✓ Au	oz/t Ag	✓ Ag	% Cu
573-578	.001		.01		
578-583	<		.02		
583-588	.001		.06		
588-593	.005	.005	.05		
593-598	.001		.04		
598-603	.003		.05		
603-608	.001		.03		
608-613	.002		.04		
613-618	.003		.06		
618-623	.010		.04		
623-628	.002		.06		
628-633	.004		.07		
633-638	.003		.09		
638-641.2	.008		1.28		

ROSEBUD PROJECT

HOLE NO. RL-261C LOGGED BY KLK DATE 4-16-92 PAGE 3 OF 11

BOX #	DEPTH (FT)	RECOVERY	STRUCTURE: FLOW + VEIN + BEDDING	STRUCTURE: FAULTS	% METALLICS	GRAPHIC LOG	ALTERATION	COLOR	VEIN TYPES /WIDTHS	VEINS PER FOOT	RQD
15	650	90	Hydro thm Δ	60°	~4% diss + vn py stibnite short bladed sulf ↓		ms bl mbl mSXX few clay clast pods	pnk tan clasts gray matrix	X + clay 0-90° hydro Δ w/ vugs	All a vein	51 35
16	660	100		60° 60°	ruby Ag py 5-7 ±3% py ? ruby Ag mc diss. + vn		mbl SXXX mbl myellow green matrix SXXX	sulfide gray EPI green matrix tan green + black clasts	Δ VN 35° 50° 1-8 mm wide SiO2 sulf vns	1-2	92 92
17	670	100									
18	680	100		60°	3-4% py, mc chalco	DT	ms bl mustard yellow stain + Epi green MSXX	buff + Epi green	5-70° for all vning is XK	1 ft 5-15 mm vns 10-20 <5 mm vns	90
19	690	80			3-4% diss-vn py mc ± chalco + barite		ms bl mto local SXXX mustard stain	buff w/ mus-tard stain	0-15° coarse 2-10 mm vns	1-2 ft vns	60
20	700	97							40-90° fine <1-2 mm vns	5-25 ft fine vns	69
21		94									84

DESCRIPTION

☆ SRF: 623-675.2 w/ basement frags

638-641.2 rubble zone of mixed clay + SiO2 matrix - crumbly - brittle cementing fine pebbly rubble, may have some stibnite xtals locally, pebble rubble are SXXX clasts.

641.2-649.8 hydrothermal Δ w/ peach/tan clasts: subrounded to locally angular ranging from 1-230 mm, at least 3 stgs. of Δ matrix to clast supported: SiO2 rich w/ micro Δ. Peru. vuggy w/ open spaces 5-15 mm w/ druzy qtz lining w/ local white clay + barite + stibnite fill

649.8-651.6 Densely; strongly silicified hydrothermal Δ - dk gray + white w/ fine <1mm to 15mm rounded to subrounded clasts, 3-4 stgs Δ SiO2 matrix supported locally finely vuggy w/ dry openings 1-3mm lined w/ druzy qtz, locally w/ nice barite xtals ingrown

60° to CA 651.6-675.2 Heterolithic hydrothm. Δ w/ rounded to subangular clasts, up to 4+ stgs of Δ w/ SiO2 rich matrix; predom clast supported. Clasts range from <1 to 30mm; are composed of: FGT-LBT, JR frags, poss DT matrix has a peru. apple green coloration weak late stage veining cross cutting most stgs of Δ; consists of SiO2 predom w/ local clay mix w/ py ± mc ± ruby Ag ± stib.; local pure white clay fill.
659-660 str white SiO2 + kaolin mixed vns up to 120 mm wide

675.2-806 DT

@60° 675.2-686 Fine gr. Tuff w/ weak peru. apple green hue. Intermittently brecciated w/ subrounded to subangular clasts, peru ms silicif. 2-3 stgs veining 1) fine B vns 2) <1-3mm qtz py, mc, kaolin vns; ? chalcopy 3) up to 15 mm chalced. qtz lined vuggy/druzy qtz vns filled w/ mc + py + local kaolin + local SiO2 + kaolin mix + barite + chalcopy

ASSAYS

SAMPLE NO.	oz/t Au	✓ Au	oz/t Ag	✓ Ag	% Cu
641.2-643	.008		.27		
643-648	.011		1.78		
648-651	.010		5.55		
651-656	.127	.125	3.33		
656-661	.087		.18		
661-666	.037		.16		
666-671	.140		.04		
671-675.2	.629		.66		
675.2-681	.640		1.52		
681-686	.060		.09		
686-691	.174		.26		
691-696	.086		.22		
696-701	.103		.11		
701-706	.037		.06		

ROSEBUD PROJECT

HOLE NO. RL-261C LOGGED BY KLK DATE 4-16-92 PAGE 4 OF 11

BOX #	DEPTH (FT)	RECOVERY	STRUCTURE: FLOW + VEIN ∢ + BEDDING	STRUCTURE: FAULTS	% METALLICS	GRAPHIC LOG	ALTERATION	COLOR	VEIN TYPES /WIDTHS	VEINS PER FOOT	RQD
22	710	94	20 ↘ 70° XK ; XKΔ		3-4% diss tun py + mc + chalco + clay	DT Δ	ms bl m to predom strong XXX w/ mustard stain	buff w/ must. and stain	XK+ XKΔ ← 1-25 mm wide	hair line >50 / 30-50 ft	84
23	720	100	5° ↘ 70° XK		±3% @ above	65° perv Δ			XK 1-5 mm	6-10	94
24	730	95	0+ 70° fine cross cutting XK	50° FAULT 20°	±5% @ above	50° Δ hydro thm			hairline XK	<50 / uncount able	100
25	740	101	20° ↘ 50°		3±% @ above	28°	ms bl wm w/ XK	lt green buff	pure hydro. thm Δ un	ALL UN	86
26	750	97	10° ↘ 60°		2-3% @ above	Δ			2-6 mm qtz clay sulf XK local① 20-30 mm	hair line >50 / ft	96
27	760	99							.5mm → 20 mm XK	hair line >50 / ft	91
28	770								qtz clay mc py CaCO3	4-8 / ft XK	94

DESCRIPTION

DT: 675.2 - 806

686-806 DT - fine grained, well silicified intermittently brecciated ; vein brecciated pervasive mustard yellow stain
3 prominent vein sets: 1) fine hairline qtz-py stockwork 2) 1-3,4 mm qtz py mc ± kaolin + barite ± chalcopy uno. 3) massive to local hydrothermal Δ uno. vein density varies throughout.

691.5 - 691.9 gray clay gouge seam

706.4 - 710 prominent SiO_2 cemented hydrothm. vein Δ w/ isolated claypods ranging from 0-90° to CA Ranging from 2-25 mm widths. w/ up to 2 stgs. Δ

723.3 - 739 strongly silicified w ~ 2 stgs perv brecciation, perv. mustard yellow coloration.

730.3 - 739 very strongly SiO_2 cemented hydrothermal breccia w/ 3-4 stages of Δ clasts are angular to subrounded ranging from <1mm to 82 mm. All hosted in FG-DT matrix is SiO_2 w/ local strong gray sulfide content ; containing a micro Δ. Intermittently contains 2-3 mm pods of bright orange clay. Minor SiO_2 + py XK cross cutting all phases of Δ

745 - 752 ↑ veing w/ 2-30 mm uno : qtz, py, mc, kaolin, barite ~2-4/ft ± $CaCO_3$ locally
Intermittent pervasive brecciat. w/ SiO_2 matrix clasts are rounded to subangular predom 2-8 mm ; bleached butter yellow. lt gray white SiO_2 matrix

ASSAYS

SAMPLE NO.	oz/t Au	✓ Au	oz/t Ag	✓ Ag	% Cu
706-711	.114		.11		
711-716	.062		.08		
716-721	.068		.13		
721-726	.048		.06		
726-730.2	.004		.02		
730.2-734.5	.073		.14		
734.5-739	.069	.070	.07		
739-743	.016		.04		
743-748	.096	.076	.09		
748-753	.030		.05		
753-758	.011		.04		
758-763	.011		.02		
763-768	.026		.03		

ROSEBUD PROJECT

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BOX #	DEPTH (FT)	RECOVERY	STRUCTURE: FLOW + VEIN ∢ + BEDDING	STRUCTURE: FAULTS	% METALLICS	GRAPHIC LOG	ALTERATION	COLOR	VEIN TYPES /WIDTHS	VEINS PER FOOT	RQD
29		97	0-90° hairline XK		~3% diss tvn py + mc + chalco py		ms bl wm~ wx	lt green buff	hairline XK SiO2 py	> 50/ft	94
30	780	101	0 40° XK ≥2mm					buff w/ mustard stain	1-2mm XK	2-7/ft	97
31	790	101	hairline XK 0 60°	DT 17°	3-5% diss tvn py + mc		ms bl SXXX peru mustard stain		fine hairline XK > ~0-60°	50/ft	91
32	800	99	20° 40° ≥2mm						XK 2-10 mm SiO2 clay py-mc	3-5 vns/ft	93
33	810	95	0 <1mm XK 90 10° 60° ≥2mm XK	DT 30° Tmb 40° 50° Δ vn	6-8% py+mc 3-5% diss tvn py + mc	30° 40° Tmb	m bl m-SXX		XK+ XKΔ 0-90° XK 10-60°	<50 15-18	92
34	820	97	0 20° XK	Tmb 25° DT	±10% py mc 2-3% py ±mc	Tmb 25° DT	m bl hint gwn poss wx?		0-90° ±1mm XK 0-20° hairline >50/ft	All Δ vein 8-15/ft	83
35	830	96	0 50°		~2% @ above			med sage grn w/ dwarf shorts	XK <1-2 mm SiO2 py	1-3 vns/ft	85
36											80

DESCRIPTION

806 - 817.4 Tmb

770-786 mod. veined - riddled w/ fine hairline qtz/py stockwork - all orientations prominent veining 1-2mm w/ SiO2 + py + mc + chalcopy, local CaCO3 ± local clay.

786 - 805.5 peruasively brecciated & strongly peru. silicified clasts are rounded to subrounded averaging 3-20mm most clasts have golden tone. Intermittent overprinting → hydrothermal Δ veins - stockwork. Crosscutting stockwork SiO2 + py ± mc veins predom subparelle to CA & averaging 1-4mm wide intermittently open spaced & druzy qtz lining w/ local mc + Kaoln clay pods. wk local micro Δ filling. XK ranges from 10-40° to CA.

805.5 - 806 clay gouge zone @ ~30° upper contact ~40° lower contact. Golden yellow & lt green platy clays. Contact w/ Tmb

806 - 817.4 Tmb typical w/ ~3% clay or pyrite alt plag. phenos.

806 - 808.6 strong hydrothermal vein brecciation, well silicified w/ 2-3 stgs Δ & w/ inter zone of crackle Δ brecciation which is probably resulting from intense SiO2 + py XK w/ local pods of white clay & v. few pods of bright orange clay

808.6 - 815 lt. hint golden orange buff alt phenos alt to Kaolin or py. 1m to s peru. silicif. over printed w/ <1-3mm XK w/ SiO2 + py ± clay fill ~15-18 vns/ft

815 - 817.4 str. peru. Δ & vein Δ w/ ~4 stgs + brecciation, strongly silicified Few open spaced druzy qtz lined veins w/ mc, wk clays (gray) ± barite intergrowths

ASSAYS

SAMPLE NO.	oz/t Au	✓ Au	oz/t Ag	✓ Ag	% Cu
768-773	.002		.02		
773-778	.012		.04		
778-783	.005		.04		
783-788	.096		.67		
788-793	.007		.03		
793-798	.015		.04		
798-802	.006		.07		
802-806	.018		.07		
806-810.5	.037		.07		
810.5-815	.019		.05		
815-817.4	.141		.22		
817.4-823	.007		.07		
823-828	.001		.02		
828-833	<		.01		

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BOX #	DEPTH (FT)	RECOVERY	STRUCTURE: FLOW + VEIN + BEDDING	STRUCTURE: FAULTS	% METALLICS	GRAPHIC LOG	ALTERATION	COLOR	VEIN TYPES /WIDTHS	VEINS PER FOOT	RQD
36	840	100	0° predom 40° fine 1-2mm XK locally is 70-80°	15°	±3% diss fvn py ±mc	DT	mbl wk hint green poss wk X?	med sage green w/ orange fract selvages	<1-2 mm SiO2 py vns	3-6 vns/ft	80
37	850	100									92
38	860	100									76
39		99						buff w/ mottled orang			94
40	870	102			±4-5% @ above						
41	880	98	0-55° XK		±5-6% py+mc		ms bl m-s XXX most stain		~1-3 mm XK 3-5/ft	5-10/ft All XAXΔ	95
42	890	100	XK 0-50° hair-line 0-90°		±3%		mbl yellow stain poss w/ X?		<1-2 mm SiO2 py vns	3-6/ft	93
43	900	94	0-15° XK	25° / 30° Tmb contact	±3%	25° / 30° Tmb	mbl ms ≈ / mbl wmx		<1-2 mm sulfide concent	±3 diff to detect	85
			0 40°		±4%			gray buff	XK+ XKΔ hint grn 1-30 mm	14-30	66

DESCRIPTION

817.4 - 897.5 DT

817.4 - 897.5 DT w-margin, mod bleached FGT, locally silicified intermittently crackle fractured w/ locally milled frags w/ local mottling of orange coloration (oxidation?) local pseudo "fiv" textures weak to moderate veining ≤1 to 2 mm veins of SiO2 + py ; local CaCO3 ± few pods of orange clay. Intermit fine hairline SiO2 stockwork. >50 ft local hydrothm Δ veining.

817.4 - 824 In footwall influence of Tmb/DT fault contact. m-ms XX. Intermittent brecciation. mod veining ± 1mm qtz py ±mc ± clay

832.2-832.5: gray clay gouge seam

824 - 882 ↓~↓X weak veining <1-2mm qtz py ± CaCO3 vns Riddled w/ very fine hairline qtz stkwk. XK 1-2mm is predom 0-40° to CA

859.2-860.9 med. to dk sage grn brecciated w/ milled looking frags w/ bleached selvages. matrix is buff w/ fine wispy trails of dissem py along fract. vns.

860.9-861 gray clay gouge

870-877 Intermittent Δ w/ SiO2 matrix to local tuffaceous matrix w/ interm. SiO2 flooding.

882 - 886.5 Perv. Δ ; vein Δ, perv. XX ±4 stgs. Δ angular to rounded clasts bl buff to orange w/ SiO2 matrix. Overprinted w/ weak stockwork SiO2 + py + local orange clay pods. Riddled w/ fine hairline qtz stkwk. >50 ft.

886.5 - 892.5 same @ 824 - 882

gouge zone 892.5 - 896.5 ↑~ rubbly m-ms argillic alt w/ green fluck butter

ASSAYS

SAMPLE NO.	oz/t Au	✓ Au	oz/t Ag	✓ Ag	% Cu
833-838	.009	.008	.02		
838-843	.001		.03		
843-848	.001		.02		
848-853	<		.01		
853-858	.003		.04		
858-863	.007		.04		
863-868	.012		.04		
868-873	.001		.03		
873-877	.004		.04		
877-881.5	.007	.006	.05		
881.5-886.5	.034	.038	.10		
886.5-889.5	.004		.05		
889.5-893	.006		.04		
893-897.5	.015		.06		

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BOX #	DEPTH (FT)	RECOVERY	STRUCTURE: FLOW + VEIN ∢ + BEDDING	STRUCTURE: FAULTS	% METALLICS	GRAPHIC LOG	ALTERATION	COLOR	VEIN TYPES /WIDTHS	VEINS PER FOOT	RQD
44	910	97	25° Δun 0-40° XK	25°/Δ un	4-5% py mc		mbl wm x w	gray buff hint grn	~1 Δ un ft; 1-8mm XK SiO2 mc clay	>50 hair line XK 8-15 >1mm	66
45	920	99	25° XK		~3% diss + un py ± mc		mbl w~ poss w x		± 1mm XK w/ SiO2* py ± mc + white ?avg clay	3-7/ft.	92
46	930	98	50° XK	40° Tmb contact	2-3%	40° DT			≤ 1mm XK SiO2 py	4-6/ft.	99
47	940	100	0-30° Δ un ; XK	30°/Δ un	3-4% py + mc		mbl orange stain ms XXX	hint grn buff + mottled orange fract fill + sclogs	1-15 mm Δ un	30-50 all XK	92
48	950	96	Δ un 0-25°		6-7% diss + un py + mc		mbl w~ poss w x		hair line XK → >50		98
49	960	98	XK 0-60°						.5-12 mm	5-8/ft	68
50									Δ un	1/ft	95
51		98			2% py		mbl w~ local S Δ un				92

DESCRIPTION

898 - 921.5 Tmb

921.5 - 1210 DT

898-921.5 Tmb - classic w/ white clay or orange clay or py alt plag. phenos. buckshot py
898-905.5 w/ hydrothm Δ un ~2 stgo Δ fine 1-5mm clasts rounded to sub ∢ SiO2 micro Δ matrix w/ local pods orange clay mod XK poss related to Δ un w/ SiO2 py, mc clay, SiO2 fill. predom 0-25° to CA
905.5-921.5 buff Tmb wm veining 1-2mm SiO2 + py, mc weak local orange clay + white clay.

921.5 - 1210 DT

☆ Contact into DT is gradual drop in plag. phenos. The DT beyond Tmb is pervasively Δ + XX
921.5-1022 butter yellow to golden buff FGT. Intermittently tectonically brecciated. Perv. fractured w/ orange sewage mottling & marbling. origin - unknown. pervasive intermittent SiO2 flooding.
932-945 Intermittent hydrothm Δ un 1-2 stgo Δ predom sub ll to 30°. Riddled w/ fine hairline qtz stkwk. w/ SiO2 orange + white clay + py + mc
945-1014 Butter yellow to mottled orange w/ pervasively intermittent tectonic to crackle brecciation. Predom w-m stockwork veining ± 1mm veins w/ SiO2 + py + clay (orange + white) mc?
962-979 veining increases w/ at least 3 stgo veins
1) fine hairline > 50/ft qtz ± py
2) .5-12mm SiO2 py, mc, avg + wh clay un ~ 5-8/ft
3) black sulfide rich SiO2 matrix hydrothm Δ un 3-4 stgo Δ ~1/ft
locally are vuggy, lined w/ ∢ fine barite + white avg clay pods

SAMPLE NO.	oz/t Au	✓ Au	oz/t Ag	✓ Ag	% Cu
897.5-903					
903-908					
908-913					
913-918					
918-923					
923-928					
928-933					
933-938					
938-943					
943-948					
948-953					
953-958					
958-962					
962-966					

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BOX #	DEPTH (FT)	RECOVERY	STRUCTURE: FLOW + VEIN + BEDDING	STRUCTURE: FAULTS	% METALLICS	GRAPHIC LOG	ALTERATION	COLOR	VEIN TYPES /WIDTHS	VEINS PER FOOT	RQD
51	970	98	0		2-3% diss tan py	DT	mbl w~ local S Δ un	lt sage green w mottled orange selvage + frocks	XK ±1mm	1-5/ft	92
52	980	100	50° predom XK				mbl w~ poss w X		1-5mm CaCO3 SiO2 mc uns XK	<1/ft	97
53	990	100			3-4% ±5% diss tan py						98
54	1000	95									100
55	1010	82			±3% py				1-5mm qtz clay py mc	2-3/ft	94
56	1020	95			±4% py + mc		mbl wm XX			3-7/ft	80
57	1030										89
58											

DESCRIPTION

921S - 1210 DT

992 - 1014 zone of buckshot pyrite; ↑ pure xtaline pyrite vins ± 1mm sized xtals locally w burgundy brown chalcedonic SiO_2 fill; burg. burn selvages. Predominantly dry XK w/ v. little SiO_2 fill. weak local dry micro Δ assoc. w/ uns

Weak local XK uns w/ $CaCO_3$ + orange clay vs. siderite + py + mc + SiO_2; local micro Δ matrix.

orange mottling; selvages still present

1022 - 1064 Increased veining. 2 predom. types: 1) 1-5 mm druzy qtz lined w/ orange to white clay fill locally vuggy w/ xtaline barite interglowths. with $CaCO_3$ + pyrite ± mc mineralization. 2) Fine stockwork veining ± 1mm qtz ± clay + pyrite

1033 - 1064 orange clay - calcite qtz py veins decrease to ≤ 1/ft.

ASSAYS

SAMPLE NO.	oz/t Au	✓ Au	oz/t Ag	✓ Ag	% Cu
966-970					
970-974					
974-978					
978-983					
983-988					
988-993					
993-998					
998-1003					
1003-1008					
1008-1013					
1013-1018					
1018-1023					
1023-1028					

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BOX #	DEPTH (FT)	RECOVERY	STRUCTURE: FLOW + VEIN ∡ + BEDDING	STRUCTURE: FAULTS	% METALLICS	GRAPHIC LOG	ALTERATION	COLOR	VEIN TYPES /WIDTHS	VEINS PER FOOT	RQD
58			0-50°		±4%	DT	mbl wm XX	lt sage grn dsg frags	1-5mm wvs	3-7	89
		98									
59	1040				3-4% diss fun py + buck shot py wk mc		mbl w~ poss wx ?	LT SAGE GRN hint grn buff	±1mm veins XK 2-3 mm	4-7/ft .5/ft	93
		99	0 40° XK								
60	1050										99
		95							±1mm XK	10-25/ft	
61	1060								2-10 mm	.5/ft	95
		98									
62	1070		0°-45° navr-line XK		1-2% diss fun py				fine navrline qtz ±py XK	2-20/ft	95
		97					FAIRLY FRESH				
63	1080										97
64		96									84
65	1090	97									93

DESCRIPTION

1033-1053 Slight ↓ veining
2 types 1) fine ±1mm qtz-py stockwork 2) $CaCO_3$ - orange + clay + py ± mc
weak green fracture coating
local stretchmark looking stress fracts. w/ pyrite fill

1053-1066 Increased fine ±1mm fracture veining w/ pyrite fill ± qtz
weak orange selvages. few fracts w/ green chlorite? + $CaCO_3$
Intermittent buckshot pyrite.
Few 1c <1/ft $CaCO_3$ qtz orange clay ± py wvs ranging from 2-10 mm.

1066-1158.5 Relatively fresh DT
only alt may be a hint of bleaching. Intermittent fracturing tight w/ green; burgundy brown + local calcite lining - locally does carry weak disem py.
weak fine hairline qtz ± py stockwork throughout

ASSAYS

SAMPLE NO.	oz/t Au	✓ Au	oz/t Ag	✓ Ag	% Cu
1028-1033	.094		.13		
1033-1038	.011		.08		
1038-1043	.001		.03		
1043-1048	.002		.04		
1048-1053	.003		.04		
1053-1058	.002		.07		
1058-1063	.005		.04		
1063-1068	.001	.001	.01		
1068-1073	<		.01		
1073-1078			.01		
1078-1083			<		
1083-1088			<		
1088-1093			<		

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BOX #	DEPTH (FT)	RECOVERY	STRUCTURE: FLOW + VEIN + BEDDING	STRUCTURE: FAULTS	% METALLICS	GRAPHIC LOG	ALTERATION	COLOR	VEIN TYPES /WIDTHS	VEINS PER FOOT	RQD
66	1100	97	0 / 45° hairline XK		1-2% diss tun py	PT	mbl w~ poss w.x ? FAIRLY FRESH	LT SAGE GRN	fine hair-line qtz ±py XK	2-20/ft	84
67	1110	97									93
68	1120	99									75
69	1130	96									95
70	1140	100									90
71	1150	100									87
72	1160						mbl m				69

DESCRIPTION

1066 - 1158.5 Fresh DT

1099 - 1115 weak ↑ $CaCO_3$ in fractures - not real significant. Local ↑ fine hairline qtz stockwork

1133 - 1144. Increased crackle fracturing and crackle brecciation, relatively dry weak intermittent mottling of orange fracture selvages w/ gun mineral staining + local calcite, weak py ± mc weak intermittent buckshot pyrite

1153 - 1172 Increased pervasive bleaching and w-m argillic clay alteration. Description of veining on following page.

ASSAYS

SAMPLE NO.	oz/t Au	✓ Au	oz/t Ag	✓ Ag	% Cu
1093-1098	<		<		
1098-1103	.007		.06		
1103-1108	.001		.02		
1108-1113	<	<	<		
1113-1118	<		<		
1118-1123	<		.02		
1123-1128	.001		.03		
1128-1133	.001		.03		
1133-1138	.001		.04		
1138-1143	<		.01		
1143-1148	.002		.02		
1148-1153	.001	.001	.04		
1153-1158	<		.02		

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HOLE NO. RL-261C LOGGED BY KLK DATE 4-17-92 PAGE 11 OF 11

BOX #	DEPTH (FT)	RECOVERY	STRUCTURE: FLOW + VEIN ∢ + BEDDING	STRUCTURE: FAULTS	% METALLICS	GRAPHIC LOG	ALTERATION	COLOR	VEIN TYPES /WIDTHS	VEINS PER FOOT	RQD
		0			2-3% diss + vn py + mc	DT	m bl ms	Lt sage grn	1-8 mm qtz clay py mc vns	1-2/ft	69
		20	15° XK								
73		78									
	1170		0-90° fine hairline stock				m bl m		hairline ±1mm XK	20-50/ft	74
		20			±1% diss + vn py		wm bl ?wx ?w		≤1mm fine qtz py XK	3-7/ft	
74	1180						FAIRLY FRESH				
		65									76
	1190		0 60°								
		99	fine XK								
75											83
	1200										
76		100									
											89
77	1210										

DESCRIPTION

1158.5 - 1172 Coarse stockwork structural zone - subparallel to core axis SiO_2 cemented to open spaced vuggy drusy qtz lined filled w/ xtaline marcasite ± pyrite + gray to white clay (weak.) ~1-2 vns/ft. Ranging from 1-8mm open spaced intermittent fine micro Δ vns w/ SiO_2 cement; local weak apple green selvages. Few weak white clay pods.

1172 - 1210 Relatively fresh DT poss. only a hint of bleaching weak local dry tectonic brecciation. Only weak fine ≤1mm qtz py ± $CaCO_3$ ± clay stockwork throughout is fine blebs; short stringers ≤1-2mm long; <1mm wide " " in a flow pattern filled w/ ±t. " " green clay; local green chalcedonic SiO_2; locally replaced by pyrite. Locally fracture surfaces are golden orange

TD.

ASSAYS

SAMPLE NO.	oz/t Au	✓ Au	oz/t Ag	✓ Ag	% Cu
1158-1164	.002		.05		
1164-1169	.001		.03		
1169-1174	.002		.05		
1174-1183 MIS-LATCH	<		.01		
1183-1187	.001		.01		
1187-1190	.001		.02		
1190-1195	.001		.02		
1195-1200	.001	.001	.02		
1200-1205	.001		.02		
1205-1210	.003		.02		

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BOX #	DEPTH (FT)	RECOVERY	STRUCTURE: FLOW + VEIN ∡ + BEDDING	STRUCTURE: FAULTS	% METALLICS	GRAPHIC LOG	ALTERATION	COLOR	VEIN TYPES / WIDTHS	VEINS PER FOOT	RQD
22	710	94	20 / 70° XK ; XKΔ		3-4% diss tun py + mg ± chalco + clay	Δ Δ Δ	ms bl m to predom strong XXX w/ mustard stain	buff w/ mustard stain	XK+ XKΔ 1-25 mm wide	hair line >50 / 30-50 / ft	84
23	720	100	5° / 70° XK		±3% @ above	65° perv Δ			XK 1-5 mm	6-10	94
24	730	95	0+ 70° fine cross cutting XK	50° FALT 28°	±5% @ above	50° Δ Δ Δ

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BOX #	DEPTH (FT)	RECOVERY	STRUCTURE: FLOW + VEIN ∢ + BEDDING	STRUCTURE: FAULTS	% METALLICS	GRAPHIC LOG	ALTERATION	COLOR	VEIN TYPES/WIDTHS	VEINS PER FOOT	RQD
29		97	0-90° hairline XK		~3% diss. tun py + mc + chalco py		ms bl wm~ wx	lt green buff	hairline XK SiO2 py	>50/ft	94
30	780	101	0 40° XK ≥2mm	DT/17°				buff w/ mustard stain	1-2mm XK	2-7/ft	97
31	790	101	hairline XK 0 60°		3-5% diss tun py + mc		ms bl SXXX peru mustard stain		fine hairline XK > 50/ft ~0-60°		91
32	800	99	20° 40° ≥2mm						XK 2-10 mm SiO2 clay py-mc	3-5 vns/ft	93
33	810	95	<1mm XK 90 10° 60° ≥2mm XK	DT Tmb 40° 50°	6-8% py + mc		m bl m-SXX		XK + XK∆ 0-90°	<50	92
34	820	97	0 20° XK	Tmb 25° DT	3-5% diss tun py + mc ±10% py mc 2-3% py ±mc	Tmb 25° DT			XK 10-60° 0-90° ±1mm XK 0-20° hairline >50/ft	15-18 All ∆ vein 8-15/ft	83
35	830	96	0 50°		~2% ⊙ above		m bl hint grn pass wx?	med sage grn w/ orang frocks	XK <1-2 mm SiO2 py	1-3 vns/ft	85
36											80

DESCRIPTION

806 - 817.4 Tmb

770-786 mod. veined - riddled w/ fine hairline qtz-py stockwork - all orientations prominent veining 1-2mm w/ SiO2 + py + mc + chalcopy, local CaCO3 ± local clay.

786 - 805.5 pervasively brecciated & strongly peru. silicified clasts are rounded to subrounded averaging 3-20mm most clasts have golden tone. Intermittent overprinting → hydrothermal ∆ veins - stockwork. Crosscutting stockwork SiO2 + py ± mc veins predom subparelle to CA & averaging 1-4mm wide intermittently open spaced w/ druzy qtz lining w/ local mc + kaolin clay pods. wk local micro ∆ filling. XK ranges from 10-40° to CA.

805.5 - 806 clay gouge zone @ ~30° upper contact ~40° lower contact. Golden yellow & lt green platy clays. Contact w/ Tmb

806 - 817.4 Tmb typical w/ ~3% clay or pyrite alt plag. phenos.

806 - 808.6 strong hydrothermal vein brecciation, well silicified w/ 2-3 stgs ∆ & w/ inter zone of crackle ∆ brecciation which is probably resulting from intense SiO2 + py XK w/ local pods of white clay & v. few pods of bright orange clay

808.6 - 815 lt. hint golden orange buff alt phenos alt to kaolin or py. 1% to 5% peru. silicif. over printed w/ <1-3mm XK w/ SiO2 + py ± clay fill ~15-18 vns/ft

815 - 817.4 str. peru. ∆ & vein ∆ w/ ~4 stgs + brecciation, strongly silicified Few open spaced druzy qtz lined veins w/ mc, wk clays (gray) ± barite intergrowths

ASSAYS

SAMPLE NO.	oz/t Au	✓ Au	oz/t Ag	✓ Ag	% Cu
768-773					
773-778					
778-783					
783-788					
788-793					
793-798					
798-802					
802-806					
806-810.5					
810.5-815					
815-817.4					
817.4-823					
823-828					
828-833					

ROSEBUD PROJECT

HOLE NO. RL-261C LOGGED BY KLK DATE 4-17-92 PAGE 6 OF 11

BOX #	DEPTH (FT)	RECOVERY	STRUCTURE: FOLIA + VEIN ∡ + BEDDING	STRUCTURE: FAULTS	% METALLICS	GRAPHIC LOG	ALTERATION	COLOR	VEIN TYPES /WIDTHS	VEINS PER FOOT	RQD
36	840	100	0° predom 40° fine 1-2mm Xk locally is 70-80°		±3% diss fvn py ±mc	DT	mbl wk hint green poss wk X ?	med sage green w/ orange fract selvages	<1-2 mm SiO2 py vns	3-6 vns/ft	80
37	850	100									92
38	860	100									76
39	870	99			±4-5 % @ above			buff w/ mottled orang			94
40	880	102									95
41	890	98	0-55° Xk	15°/Δ	±5-6% py+mc	15°/Δ	ms bl m-s XXX most stain		~1-3 mm Xk 3-5/ft	All XAXΔ	93
42	900	100	Xk 0-50° hairline 0-90°		±3%		mbl yellow stain poss wk X?		<1-2 mm SiO2 py vns	3-6/ft	85
43		94	0-15° Xk	25°/ 30° Tmb contact	±3%	25° gouge	mbl ms ≈		<1-2 mm sulfide concent	±3 diff to detect	66
			0 40°		±4%	20° Tmb	mbl wax	gray buff hint grn	Xk+ XKΔ 1-30 mm	14-30	

DESCRIPTION

817.4 - 897.5 DT

817.4-897.5 DT w-margin, mod bleached FGT, locally silicified intermittently brecciated fractured w/ locally milled frags w/ local mottling or orange coloration (oxidation?) Local pseudo "flo" textures weak to moderate veining ≤1 to 2 mm veins of SiO2 + py ; local CaCO3 ± few pods of orange clay. Intermit. fine hairline SiO2 stockwork. ≥50 Local hydrothm Δ veining.

817.4-824 In footwall influence of Tmb/DT fault contact. m-ms XX. Intermittent brecciation. mod veining ± 1mm qtz py ±mc ± clay

832.2-832.5: gray clay gouge seam

824-882 ↓~↓X weak veining <1-2mm qtz py ± CaCO3 vns Riddled w/ very fine hairline qtz stkwk. Xk 1-2mm is predom 0-40° to CA

859.2-860.9 med. to dk sage grn brecciated w/ milled looking frags w/ bleached selvages. matrix is buff w/ fine wispy trails of dissem py along fract. vns.

860.9-861 gray clay gouge

870-877 Intermittent Δ w/ SiO2 matrix to local tuffaceous matrix w/ interm. SiO2 flooding.

882-886.5 Perv. Δ ; vein Δ, perv. XX ±4 stgs. Δ angular to rounded clasts bl buff to orange w/ SiO2 matrix over printed w/ weak stockwork SiO2 + py + local orange clay pods. Riddled w/ fine hairline qtz stkwk. >50 ft.

886.5-892.5 same @ 824-882

gouge zone 892.5 - 896.5 ↑~ rubbly m-ms argillic alt w/ green gluck butter w/ orange clay can break w/ hands

ASSAYS

SAMPLE NO.	oz/t Au	✓ Au	oz/t Ag	✓ Ag	% Cu
833-838					
838-843					
843-848					
848-853					
853-858					
858-863					
863-868					
868-873					
873-877					
877-881.5					
881.5-886.5					
886.5-889.5					
889.5-893					
893-897.5					

RECORD OF DRILLHOLE # RL 261 C

SHEET 1 OF 7

NORTHING | EASTING | ELEVATION | DATUM
PROJECT NO. | DRILLING DATE | DRILL RIG
INCLINATION | AZIMUTH

DEPTH SCALE (FEET)	DESCRIPTION	GRAPHIC LOG	RUN NO.	RECOVERY	R.Q.D.	FRACTURE INDEX PER FT.	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	DISCONTINUITY DATA: GRAPHIC LOG	INDEX: WEATHERING	INDEX: STRENGTH	INDEX: ALTERATION	NOTES - WATER LEVELS - INSTRUMENTATION
	Reverse Circulation to 515' Begin HQ CORE at 515' See Geologic Log for detailed Geology.											
519	515-578 fine grain Volcanic. Strong microfracturing 515-529. Discontinuous nature commonly 2 to 6 cm long. 533-538 py. marc. healed vns.		1	100	95				Fr	W to VW		
			2	97	89							
529	515-578, Mechanical Breaks. range. 45-70° to C.A. Breaks are rouge and irregular. Similar to hammer derived breaks.		3	100	100		clay microfract.	60				
533			4	94	75		Py marc. vn micro fracts minor clay	40 45 65				
	515 to 578 may represent Geotech unit.											
543			5	102	96		microfracts minor clay	45 30				
553			6	98	80		microfracts w/ minor clay	35 45 70 50				
563 564.5	Discontinuous Sulfide healed/irregular micro fract. vning. 563-573.		7	100	80							
			8	100	89							
573			9	97	93		micro fract. minor clay.	45				
583	578-616. This is C_2C. Strong Clastic texture. Matrix supported. Clasts range from 3 mm to > 8 cm. No sorting or Bedding apparent. Mechanical Breaks thru this interval range 40 to 70° C.A. Generally irregular rouge. Common 50-65° C.A. Common Break across clast.		10	100	91		Py clay vnlet. irregular Py clay vnlet. irregular	50 45 45				
593			11	100	95		Py marc. clay vnlet.	80				

DEPTH SCALE
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DRILLER

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RECORD OF DRILLHOLE # RL 261C

SHEET 2 OF 7

NORTHING | EASTING | ELEVATION | DATUM
PROJECT NO. | DRILLING DATE | DRILL RIG
INCLINATION | AZIMUTH

DEPTH SCALE (FEET)	DESCRIPTION	GRAPHIC LOG	RUN NO.	RECOVERY	R.Q.D.	FRACTURE INDEX PER FT.	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	DISCONTINUITY DATA: GRAPHIC LOG	INDEX: WEATHERING	INDEX: STRENGTH	INDEX: ALTERATION	NOTES - WATER LEVELS - INSTRUMENTATION
	mechanical breaks. common 50-60° C.A. No common orientation.		11	100	95					W to VW		
603							irregular. clay lined fract.	60				
			12	100	92							
							Qtz py clay micro vn.	55				
613							wk shear? orientation	70				
	614-616 Wkly Bxated											
	616-623 Grn clay rich. weak to very weak rock.		13	95	58					VW		
623							irregular grn clay seam. 5 to 10 mm.	85		S to VS		
			14	98	64		Planar Clay filled Jt.	20 35 60 60				
633							Drusy Qtz clay vn. wh Kaol. irregular valets					
	638-641 Bxa Zone clay gouge. Shear.		15	98	51		Planar Kaolin filled Jt.	30 50 60 50				wh Kaol. irregular Valet.
643	641-651 strong Brx healed with Silica. Relict open spaces. filled with wh Kaol.		16	90	35		Ft Zone. Strg Bx & clay. wk shear.					
651	651-675 Healed Brx Zone. Mech Breaks range 45-80 C.A.		17	100	92		wh Kaol Valet.	55				
661			18	100	92		2cm Wh. Kaol Valet.	60				
671			19	100	90		Planar clay filled Jt.	60 40				
681							Break-in Vuggy Drusy Qtz-Musc. Vn.					
	686- 1 foot Clay rich Zone. Vein? with drusy Qtz. & wh. Kaol.		20	80	60		Irregular clay-Qtz Jt.	70 40 60				Planar Clay filled Jt.
691	691-693. Blk to Dk gry clay gouge. Bxa + drusy Qtz-Sulfide vning.		21	97	69		Irregular Kaol. & Barite Vuggy Vn. Irregular Qtz (Drusy) Barite py. vning. Vuggy.					Dk gry clay gouge.

DEPTH SCALE
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RECORD OF DRILLHOLE # RL261C

SHEET 3 OF 7

NORTHING | EASTING | ELEVATION | DATUM
PROJECT NO. | DRILLING DATE | DRILL RIG
INCLINATION | AZIMUTH

DEPTH SCALE (FEET)	DESCRIPTION	GRAPHIC LOG	RUN NO.	RECOVERY	R.Q.D.	FRACTURE INDEX PER FT	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	DISCONTINUITY DATA: GRAPHIC LOG	INDEX: WEATHERING	INDEX: STRENGTH	INDEX: ALTERATION	NOTES - WATER LEVELS - INSTRUMENTATION
701	701.5 - 701.5 - Clay rich bxa zone(?)		21	97	69					S to VS.		This rock appears very strong and competant. with local clay gouge discontinuities
	701 - 724. Strong to V. Strg - fine grained Volcanic. Discontinuous Silica sulfide healed. fracturing Qtz drusy text. locally. Mechanical Breaks across vnlets. and locally across drussy vns.		22	94	84		Kaol. py vn.	50				
711.5			23	97	94		Vuggy Qtz Barite marc-py vn. Irregular Drusy Qtz vn.	40 35				
722	724-739. More bxa text. Very Well healed. Mech. break across matrix and clasts.		24	100	100		Irregular qtz-marc-py-Bar vn.	60				
732			25	95	86		Qtz-Marc.-Bar. Kaolin? vn.	35		Strg to VS		
	739 - Fine grained dense Volc. Well healed bxated zone locally. Discontinuous. Sulfide vnlets. 2 to 8 cm. (Irregular) Mechanical Breaks range 45 to 85° C.A. Commonly 75 to 85 C.A. Commonly Break across vnlets.		26	101	96		4cm wh. Kaolin vn. Qtz Kaol. marc vn. Qtz Kaol marc vn.	60 55 30				
742.5 752.5	Vuggy. semiplanar. Qtz-marc-py-Kaol. Barite vns. commonly x-cut by mechanical Breaks		27	97	91			50				
763	Note This unit seems very competant.		28	99	94		Vuggy Q-marc-Kaol vn.					
773			29	97	97							
783			30	101	91			10				
793			31	101	93		Undulating py-marc vn. Drusy Qtz Kaol. Marc vn.	20				

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RECORD OF DRILLHOLE # RL261C

SHEET 4 OF 7

NORTHING | EASTING | ELEVATION | DATUM
PROJECT NO. | DRILLING DATE | DRILL RIG
INCLINATION | AZIMUTH

DEPTH SCALE (FEET)	DESCRIPTION	GRAPHIC LOG	RUN NO.	RECOVERY	R.Q.D.	FRACTURE INDEX PER FT.	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	DISCONTINUITY DATA: GRAPHIC LOG	INDEX: WEATHERING	INDEX: STRENGTH	INDEX: ALTERATION	NOTES - WATER LEVELS - INSTRUMENTATION
803			31	101	93							
	806-817 Strg Silica Alt. and Silic. fill. mirovuning		32	99	92		Grn. Clay gouge 0.5ft wide.	45, 35		VS	S	
813			33	95	83		Irregular. Druzy Q-Kaol. mare. py vn. 1cm Grn Clay gouge. Druzy Qtz + Grn Clay gouge.	50, 80		S to VS.		10, 20
823			34	97	85		0.5 ft. DK Gry Clay gouge	85				30
833			35	96	80							
	840-861 fairly competent w/ predom. mechanical breaks. 4 breaks @ 35-60°					<1/ft	tight, smooth no fill	35°, 60°, 0°-5°				40
843	843-843.5 broken rubble - @ end of run w/ 1 split ∥ to CA		36	100	92					m S	v	
	4 breaks - undulating @ ~ 70-90°					4	undulating smooth - no fill tight	70°, 90°				
853	12 breaks - predom - mechanical		37	100	76	12	mechanical hammer breaks, tight smooth to rough no fill	80, 90				
861	861-881.7 break are rough irregular due to hammer and range from 5-15° and 70-90°									S	m	
	predom veining 10-30° @ 1-2 mm wide w/ py + $CaCO_3$ fill		38	99	94		tight <1mm planar $CaCO_3$ + py	10°, 30°				
871	fracture breaks range ~10-30°						rough tight <1mm ± $CaCO_3$ dry	43°				
	880.35 - 880.6 gray clay gouge		39	102	95		planar smooth <1mm no fill gray gouge	90°, 15°				
881.5	881.7 - 883.3 hydroth Δ vn @ 883.3 rough break ~ 80°						881.7 hydroth Δ vn @ 883.3	80°, 40°		S	S	
	882.5 - 883.3 wkly vuggy open w/ druzy lining + mc + local gray clay		40	98	93		886.5 rough mc + clay	70°, 20°		m	s	
	886.5 - 888.3 m argillic ↳ 10° wk clays rough to smooth						rough tight dry 2mm druzy vuggy open w/ wk clay	20° gouge, 30°, 60°		m	m	
891.5												
893.5	891.5 - 893 10-15° ① open druzy vuggy qtz VNS ± yellow clay ② smooth duck butter filling	Shear 30°	41	100	85					w	s	
	893.2 - 894.5 clay cemented rubble		42	94	66		crumbly clay cement gouge fracts	5-20°		w m	m	

894.5 - 897.5 m argillic w/ clay partings @ 30-60°

897.5 Tmb begins

898 - 900.4 w/ vuggy open space druzy qtz lined w-m clay fill rmc 5-20° py → up to 5-10 mm open spaces

open vugs

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RECORD OF DRILLHOLE # RL-261C

SHEET 5 OF 7

NORTHING | EASTING | ELEVATION | DATUM
PROJECT NO. | DRILLING DATE | DRILL RIG
INCLINATION | AZIMUTH

DEPTH SCALE (FEET)	DESCRIPTION	GRAPHIC LOG	RUN NO.	RECOVERY	R.Q.D.	FRACTURE INDEX PER FT.	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	DISCONTINUITY DATA: GRAPHIC LOG	INDEX: WEATHERING	INDEX: STRENGTH	INDEX: ALTERATION	NOTES - WATER LEVELS - INSTRUMENTATION
	900.4 – 906											
903	4 uns @ 40-50° smooth w/ weak fill tight to weakly open w/ barite xtals; fracts weak clay ± CaCO3 fill rough mechanical hammer breaks		42	94	66		smooth wk tight clay barite ± CaCO3	40-50° / 5-30°		m	m	
	~ 3-4 uns open spaced		43	97	92		druzy vuggy uns clay + mc + mica					
913	900.4 – 921.5 Tmb; 906 – 921.5 predom w/ mechanical hammer breaks; 7-8 → fracture breaks; 906-921 6 fract breaks		44	99	99		7-8 fract breaks smooth unfilled - tight	50° / 60°		m s	w m	
923	923-923.5 end of rod rubble											
	921.5 – 979 DT mod competent throughout; 924 – 933 predom mechanical breaks ~ 3 fract breaks @		45	98	92		~ 3 breaks tight planar w/ mc ± CaCO3	40°		m s	m	
933	933 – 941.5 Intermittent prominent hydrotherm. Δ uns w/ SiO2 cement locally vuggy w/ qtz lining, clay fill max 1-4 mm wide open – v. few; 3 fracture breaks		46	100	98		3 fract - fairly smooth tight w/ wk clay fill; 14 breaks - tight, wk clay fill	40-45° / 50° / 70° / 5-20°		m	m	
943	941.5 – 946.1 argillic clay alt; 14 argillic breaks; 943-944 rubbly; 944-945 w/ vuggy uns		47	96	68		vuggy open uns to 7-8 mm open druzy qtz lined, clay fill	20° / 30°		w	m s	
953	946.1 – 955 tight sub ⊥ fracts 3-4; 955 – 962 mostly mechanical breaks; 4 undulating breaks @		48	98	95		smooth, planar tight no fill 3 @ ± 1-2 mm clay + mc; 4 tight wk clay ± CaCO3 fill	25° / 40° / 75-80°		m s	m	
963	962 – 973 intermittent hydrotherm Δ uns SiO2 cements; 7 open spaced druzy qtz lined		49	98	92		some druzy qtz lined open 2-8 mm filled w/ clay barite mc	10-20° / ± 45°		w m	m	
973	973 – 1003 predom mechanical hammer breaks – 19 total; fairly compentent throughout		50	98	97		17 tight unfilled fairly smooth predom mechanical breaks	80-90°		m s	w m	
983			51	100	98							
993			52	100	100							

DEPTH SCALE
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RECORD OF DRILLHOLE # RL-261C

SHEET 6 OF 7

NORTHING | EASTING | ELEVATION | DATUM
PROJECT NO. | DRILLING DATE | DRILL RIG
INCLINATION | AZIMUTH

DEPTH SCALE (FEET)	DESCRIPTION	GRAPHIC LOG	RUN NO.	RECOVERY	R.Q.D.	FRACTURE INDEX PER FT.	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	DISCONTINUITY DATA: GRAPHIC LOG	INDEX: WEATHERING	INDEX: STRENGTH	INDEX: ALTERATION	NOTES - WATER LEVELS - INSTRUMENTATION
1003	1003-1013 mod. competent predom w/ mechanical breaks 4 undulating 70°-90° 2 smooth 15-20° 6 mechanical 80-90°		52	100	100		3 smooth-tight unfilled 4 undulating smooth tight unfilled	50° 70 90				
			53	95	94		2 weakly filled ± clay smooth tight to planar 6 mechanical tight ± smooth unfilled	15-20° 80-90		m S	w m	
1013	1013-1023 same @ above till 1018' 1018'-1023 open spaced uns smooth 5-7 mm wide w/ predom clay fill		54	82	80		1 @ 35-40° smooth w/ wk clay fill 2-3 uns 5-6 mm open smooth filled w/ clay lined w/ druzy qtz	35-40° 5-35°				
1023	1023-1033 w/ prominent open spaced clay barite filled uns 5-20 mm wide		55	95	89		2 undulating 70-90° tight no fill 3 undulating smooth local clay + barite fill open locally to 6mm	70° 90° 50 80		m w	m	
1033	1033-1098 predom competent thru out 1033-1043 un sets present are ∥ to 60° to CA tight to 2 mm w/ clay		56	98	93		7 uns-open w/ 5-20mm open fill w/ clay + barite 8 smooth-tight weak clay + mc-py	60° 20 50° 60°				
1043	1043-1053 predom un set		57	99	99		8 smooth tight <1mm wk clay py mc + $CaCO_3$	15 cl Jt. 40				
1053			58	95	95		Sulfide unlat. Planar			S	W	
1063			59	98	95		4 mm clay filled Joint. Rough.	50				
1073			60	97	97		Planar pemphitic filled fract. 2mm clay filled semi planar Jt	50 45				
1083			61	96	84		Undulating chl unlat.	30 80				
1093			62	97	93		FeOx (hem?) fracture. minor clay	35				Chloritized alt fracture

DEPTH SCALE
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RECORD OF DRILLHOLE # RL-261C

SHEET 7 OF 7

NORTHING | EASTING | ELEVATION | DATUM
PROJECT NO. | DRILLING DATE | DRILL RIG
INCLINATION | AZIMUTH

DEPTH SCALE (FEET)	DESCRIPTION	GRAPHIC LOG	RUN NO.	RECOVERY	R.Q.D.	FRACTURE INDEX PER FT.	DISCONTINUITY DATA: TYPE AND SURFACE DESCRIPTION	DISCONTINUITY DATA: GRAPHIC LOG	INDEX: WEATHERING	INDEX: STRENGTH	INDEX: ALTERATION	NOTES - WATER LEVELS - INSTRUMENTATION
1103			62	96	84		Clay Sulfide Jt. minor CO_3.	25				
							Chloritized Sulf. Inlet.	20				
			63	97	93							
1113							2mm CO_3 filled inlets.	50				10
			64	97	75		CO_3 py filled Jt.	30 15				
1123								45				20
			65	99	95		CO_3 py filled planar Jt.	25				
1133								60				30
			66	96	90		CO_3 py Jt.	25				
							Rough Sulfide Clay filled Jt. 2mm					40
1143												
			67	100	87							
1153	1153-1164 Fault Zone. Much gouge & Broken core frags.		68	100	69		Dk Gry gouge No C.A.					
1160							Highly Broken Gouge Flt Zone					
1162.5	1164 to 1174. Mod Silicified. Volcanic tuff (Dozer) Open space lining with. Barite + marc/py - Qtz - CO_3. CORE Remains competant.		69	20	—			10				
							Barite marc/py CO_3 + silical open space Jn.					
								30				
							CO_3 py Inlet					
							CO_3 py Inlet.	60				

DEPTH SCALE
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GEOTECHNICAL LOG

PROJECT: ROSEBUD LOCATION: LOGGED BY: T.O. Kuhl

HOLE NO.: RL261C DIP: S45W -60 CORE SIZE: HQ DATE: 4/3/92

1	2	3	4	5	6	7	8	9	10	11
FROM	TO	CORE RUN	RECOVERED CORE	TOTAL LENGTH OF CORE>4"	NO. OF FRACTURES	CORE RECOVERY (%) (4/3 X 100)	R.Q.D. (%) (5/3 X 100)	FRACTURES PER FT. (6/4)	RANGE OR AVERAGE ANGLE OF FRACTURE W.R.T. CORE AXIS	REMARKS
515	519	4	4.0	3.8	6	100	95	1.5		
519	529	10	9.7	8.9	9	97	89	1		
529	533	4	4.0	4.0	3	100	100	1		
533	543	10	9.4	7.5	15	94	75	1.5		
543	553	10	10.2	9.6	8	102	96	1		
553	563	10	9.8	9.0	16	98	90	1.5		
563	564.5	1.5	1.5	1.2	2	100	80	1.3		
564.5	573	8.5	8.5	7.5	7	100	89	0.8		
573	583	10	9.7	9.3	8	97	93	0.8		
583	593	10	10	9.1	8	100	91	0.8		
593	603	10	10	9.5	11	100	95	1.0		
603	613	10	10	9.2	13	100	92	1.3		
613	623	10	9.5	5.8	24	95	58	2.5		
623	633	10	9.8	6.4	17	98	64	1.7		
633	643	10	9.8	5.1	25	98	51	2.5		
643	651	8	7.2	3.5	19	90	35	2.6		
651	661	10	10	9.2	6	100	92	0.6		
661	671	10	10	9.2	12	100	92	1.2		
671	681	10	10	9.0	8	100	90	0.8		
681	691	10	8	6.0	15	80	60	1.9		
691	701	10	9.7	6.9	19	97	69	1.9		
701	701.5	10.5	0.3	0	4	60	—	13.0		
701.5	711.5	10	9.4	8.4	16	94	84	1.7		
711.5	722	10.5	10.2	9.9	11	97	94	1.1		
722	732	10.0	10.0	10.0	11	100	100	1.1		
732	742.5	10.5	10.0	9.0	9	95	86	0.9		
742.5	752.5	10.0	10.1	9.7	9	101	96	0.9		
752.5	763.0	10.5	10.2	9.6	6	97	91	0.6		
763.0	773.0	10.0	9.9	9.4	10	99	94	0.9		
773.0	783.0	10.0	9.7	9.7	6	97	97	0.6		
783.0	793.0	10.0	10.1	9.1	10	101	91	1.0		
793.0	803.0	10.0	10.1	9.3	11	101	93	1.1		

GEOTECHNICAL LOG

PROJECT: ROSEBUD LOCATION: LOGGED BY: T.O. Kuhl

HOLE NO.: RL-261C DIP: S45W -60 CORE SIZE: HQ DATE: 4-3-92

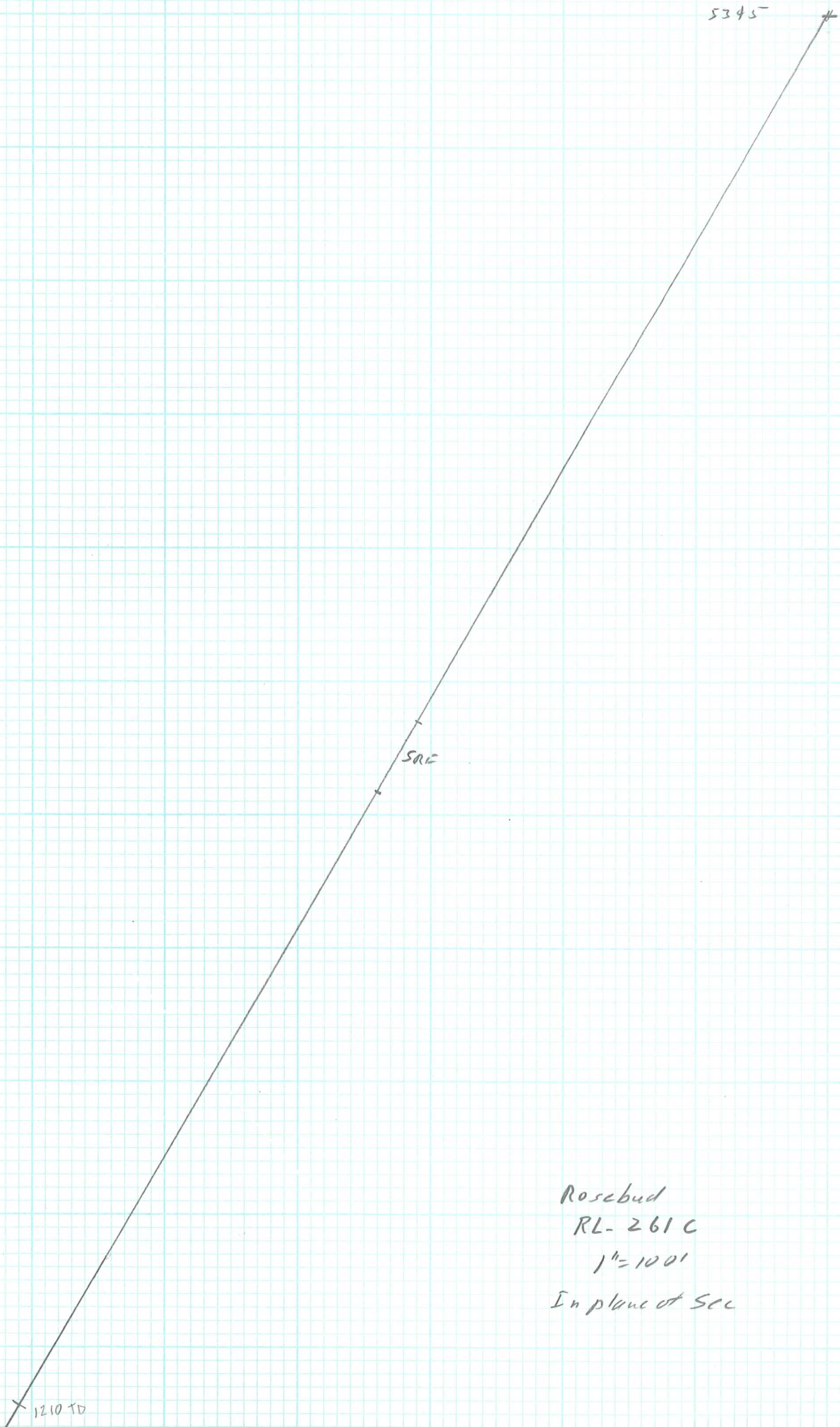
1	2	3	4	5	6	7	8	9	10	11
FROM	TO	CORE RUN	RECOVERED CORE	TOTAL LENGTH OF CORE>4"	NO. OF FRACTURES	CORE RECOVERY (%) (4/3 X 100)	R.Q.D. (%) (5/3 X 100)	FRACTURES PER FT. (6/4)	RANGE OR AVERAGE ANGLE OF FRACTURE W.R.T. CORE AXIS	REMARKS
803	813	10	9.9	9.2	5	99	92	0.5		
813	823	10	9.5	8.3	9	95	83	1.0		
823	833	10	9.7	8.5	9	97	85	1.0		
833	843	10	9.6	8.0	11	96	80	1.1		
843	853	10	10	9.2	17	100	92	1.7		
853	861	8	8	7.6	7	100	76	0.9		
861	871	10	9.9	9.4	6	99	94	0.6		
871	881.5	10.5	10.2	9.5	5	102	95	0.5		
881.5	891.5	10	9.8	9.3	5	98	93	0.5		
891.5	893.5	2	2.1	1.7	2	100	85	1.0		
893.5	903	9.5	8.9	6.3	10	94	66	1.1		
903	913	10	9.7	9.2	4	97	92	0.4		
913	923	10	9.9	9.9	4	99	99			
923	933	10	9.8	9.2	6	98	92			
933	943	10	10	9.8	6	100	98			
943	953	10	9.6	6.8	15	96	68			
953	963	10	9.8	9.5	4	98	95			
963	973	10	9.8	9.2	4	98	92			
973	983	10	9.8	9.7	4	98	97			
983	993	10	10.0	9.8	2	100	98			
993	1003	10	10.0	10.0	2	100	100			
1003	1013	10	10.0	9.3	3	100	93			
1013	1023	10	9.5	9.4	2	95	94			
1023	1033	10	8.2	8.0	8	82	80			
1033	1043	10	9.5	8.9	7	95	89			
1043	1053	10	9.8	9.3	5	98	93			
1053	1063	10	9.9	9.9	3	99	99			
1063	1073	10	9.5	9.5	3	95	95			
1073	1083	10	9.8	9.5	5	98	95			
1083	1093	10	9.7	9.7	6	97	97			
1093	1103	10	9.6	8.4	4	96	84			
1103	1113	10	9.7	9.3	4	97	93			

GEOTECHNICAL LOG

PROJECT: ROSEBUD LOCATION: LOGGED BY: T.O. Kuhl

HOLE NO.: RL-261C DIP: S45W -60° CORE SIZE: HQ DATE: 4-3-92

1	2	3	4	5	6	7	8	9	10	11
FROM	TO	CORE RUN	RECOVERED CORE	TOTAL LENGTH OF CORE>4"	NO. OF FRACTURES	CORE RECOVERY (%) (4/3 X 100)	R.Q.D. (%) (5/3 X 100)	FRACTURES PER FT. (6/4)	RANGE OR AVERAGE ANGLE OF FRACTURE W.R.T. CORE AXIS	REMARKS
1113	1123	10	9.7	7.5	7	97	75	0.7		
1123	1133	10	9.9	9.5	4	99	95	0.4		
1133	1143	10	9.6	9.0	4	96	90	0.4		
1143	1153	10	10.0	8.7	3	100	87	0.3		
1153	1160	7	7.0	4.8	7	100	69	0.7		
1160	1162.5	2.5	0.5	0	—	20	—	—		
1162.5	1164	1.5	1.0	0	Broken Zone	67	0	broken zone		
1164	1174	10	7.8	7.4	7	78	74	0.90		
1174	1183	9	2.0	–	Broken Zone	22	0	broken zone		
1183	1190	7	6.5	5.3	10	93	76	1.54		
1190	1200	10	9.9	8.3	12	99	83	1.21		
1200	1210	10	10.0	8.9	8	100	89	0.80		



Rosebud
RL-261C
1"=100'
In plane of Sec

BARRINGER LABORATORIES INC.

15000 W. 6TH AVE., SUITE 300
GOLDEN, COLORADO 80401
PHONE: (303) 277-1687

5301 LONGLEY LANE
BUILDING E. SUITE 178
RENO NEVADA 89511
PHONE: (702) 828-1158

19-May-92

LAC MINERALS
P O BOX 21390
RENO NV 89515

Received: 13-May-92 21:39

Attn: Tim Kuhl
Project:

PO #:

Status: Final

Job: 92787R

Abbreviations:

Parameters:

Au	: Gold
Ag	: Silver

Methods:

FA/AA/AAS	: Fire Assay/AA Finish
FA/AA	: Fire Assay with AA finish
AA	: Atomic Absorption

Units:

oz/ton	: ounces per ton

Quality codes:

<	: less than
NA	: Not Analyzed

Job approved by:

Signed:
.....
Vernon K. Peterson
Laboratory Manager

cc: KRISTEN KENNER, LAC MINERALS

BARRINGER LABORATORIES INC.

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14-Apr-92

LAC MINERALS
P O BOX 21390
RENO NV 89515

Page: 2
Copy: 1 of 3
Set : 2

Attn: Tim Kuhl
Project:

Received: 8-Apr-92 10:10

PO #:

Job: 92495R

Status: Final

Abbreviations:

Parameters:

Au	: Gold
Ag	: Silver

Methods:

FA/AA/AAS	: Fire Assay/AA Finish
FA/AA	: Fire Assay with AA finish
AA	: Atomic Absorption

Units:

oz/ton	: ounces per ton

Quality codes:

<	: less than
NA	: Not Analyzed

Job approved by:

Signed: .....

Vernon K. Peterson
Laboratory Manager

cc: KRISTEN KENNER, LAC MINERALS

RL

BARRINGER LABORATORIES INC.

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23-Apr-92

LAC MINERALS
P O BOX 21390
RENO NV 89515

Page: 3
Copy: 1 of 3
Set : 2

Attn: Tim Kuhl
Project:

Received: 17-Apr-92 09:18

PO #:

Job: 92561R

Status: Final

Abbreviations:

Parameters:

Au	: Gold
Ag	: Silver

Methods:

FA/AA/AAS	: Fire Assay/AA Finish
FA/AA	: Fire Assay with AA finish
AA	: Atomic Absorption

Units:

oz/ton	: ounces per ton

Quality codes:

<	: less than
NA	: Not Analyzed

Job approved by:

Signed:

.....
Vernon K. Peterson
Laboratory Manager

cc: KRISTEN KENNER, LAC MINERALS

File

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BARRINGER LABORATORIES INC.

19-May-92

LAC MINERALS
P O BOX 21390
RENO NV 89515

Page: 1
Copy: 1 of 3
Set : 1

Received: 13-May-92 21:39

Attn: Tim Kuhl
Project:

PO #:

Status: Final

Job: 92787R

Cutting

Sample Id	Au FA/AA/AAS oz/ton	Au FA/AA oz/ton	Ag AA oz/ton
RL-261C 0 5	0.0028	0.0028	0.055
BL-043	~~0.0510~~	~~NA~~	~~NA~~
R-261C 5 10	0.0040	NA	0.067
R-261C 10 15	0.0064	NA	0.058
R-261C 15 20	0.0018	NA	0.032
R-261C 20 25	0.0025	NA	0.020
R-261C 25 30	0.0030	NA	0.018
R-261C 30 35	0.0014	NA	0.020
R-261C 35 40	0.0041	NA	0.032
R-261C 40 45	0.0013	NA	0.020
R-261C 45 50	0.0010	NA	0.038
R-261C 50 55	0.0067	0.0072	0.041
R-261C 55 60	0.0009	NA	0.018
R-261C 60 65	0.0002	NA	0.009
R-261C 65 70	0.0006	NA	0.009
R-261C 70 75	<0.0001	NA	0.006
R-261C 75 80	0.0002	NA	0.009
R-261C 80 85	0.0020	NA	0.155
R-261C 85 90	0.0027	0.0029	0.070
BL-044	~~0.0150~~	~~NA~~	~~NA~~
RL-261C 90 95	0.0031	NA	0.047
RL-261C 95 100	0.0002	NA	0.018
RL-261C 100 105	0.0001	NA	0.032
RL-261C 105 110	<0.0001	NA	0.006
RL-261C 110 115	0.0002	NA	0.012
RL-261C 115 120	0.0021	NA	0.041
RL-261C 120 125	0.0015	NA	0.029
RL-261C 125 130	0.0065	NA	0.023
RL-261C 130 135	0.0022	NA	0.035
RL-261C 135 140	0.0146	0.0140	0.058

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19-May-92

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P O BOX 21390
RENO NV 89515

Received: 13-May-92 21:39

Attn: Tim Kuhl
Project:

PO #:

Job: 92787R

Status: Final

Cutting

Sample Id	Au FA/AA/AAS oz/ton	Au FA/AA oz/ton	Ag AA oz/ton
RL-261C 140 145	0.0050	NA	0.088
RL-261C 145 150	0.0080	NA	0.085
RL-261C 150 155	0.0141	NA	0.070
RL-261C 155 160	0.0006	NA	0.026
RL-261C 160 165	0.0024	NA	0.070
RL-261C 165 170	0.0025	NA	0.044
RL-261C 170 175	0.0015	0.0009	0.047
BL-045	0.0459	NA	NA
RL-261C 175 180	0.0038	NA	0.035
RL-261C 180 185	0.0005	NA	0.029
RL-261C 185 190	0.0001	NA	0.015
RL-261C 190 195	0.0004	NA	0.012
RL-261C 195 200	<0.0001	NA	0.006
RL-261C 200 205	<0.0001	NA	0.009
RL-261C 205 210	<0.0001	NA	0.009
RL-261C 210 215	<0.0001	NA	0.003
RL-261C 260 265	<0.0001	NA	0.006
RL-261C 265 270	0.0005	NA	0.023
RL-261C 270 275	0.0011	NA	0.029
RL-261C 275 280	0.0001	NA	0.012
RL-261C 280 285	<0.0001	NA	0.009
RL-261C 285 290	<0.0001	NA	0.009
RL-261C 290 295	<0.0001	NA	0.006
RL-261C 295 300	0.0001	NA	0.012
RL-261C 300 305	<0.0001	<0.0001	0.006
BL-046	0.0456	NA	NA
RL-261C 305 310	<0.0001	NA	0.006
RL-261C 450 455	0.0001	NA	0.020
RL-261C 455 460	0.0004	NA	0.026
RL-261C 460 465	0.0118	0.0112	0.052

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19-May-92

LAC MINERALS
P O BOX 21390
RENO NV 89515

Received: 13-May-92 21:39

Attn: Tim Kuhl
Project:

PO #:

Job: 92787R

Status: Final

Cutting

Sample Id	Au FA/AA/AAS oz/ton	Au FA/AA oz/ton	Ag AA oz/ton
RL-261C 465 470	0.0064	NA	0.146
RL-261C 470 475	0.0023	NA	0.091
RL-261C 475 480	0.0024	NA	0.105
RL-261C 480 485	0.0043	NA	0.140
RL-261C 485 490	0.0018	NA	0.117
RL-261C 490 495	0.0011	NA	0.055
RL-261C 495 500	<0.0001	NA	0.009
RL-261C 500 505	0.0001	NA	0.009
RL-261C 505 510	0.0001	NA	0.009
RL-261C 510 515	<0.0001	NA	0.009

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F16

16-Apr-92

LAC MINERALS
P O BOX 21390
RENO NV 89515

Page: 1
Copy: 1 of 2
Set : 1

Attn: Tim Kuhl
Project:

Received: 11-Apr-92 09:43

PO #:

Job: 92528R

Status: Final

Drill Core

Sample Id	Au FA/AA/AAS oz/ton	Au FA/AA oz/ton	Ag AA oz/ton
RL-261C 515 519	0.0005	0.0004	0.006
BL-49	~~0.0522~~	~~NA~~	~~NA~~
RL-261C 519 524	0.0003	NA	0.012
RL-261C 524 529	0.0037	0.0039	0.228
RL-261C 529 533	0.0004	NA	0.032
RL-261C 533 538	0.0005	NA	0.023
RL-261C 538 543	0.0001	NA	0.009
RL-261C 543 548	0.0002	NA	0.006
RL-261C 548 553	0.0001	NA	0.006
RL-261C 553 558	<0.0001	<0.0001	0.003
RL-261C 558 563	<0.0001	NA	0.003
RL-261C 563 568	0.0011	NA	0.035
RL-261C 568 573	0.0001	NA	0.009
RL-261C 573 578	0.0010	NA	0.015
RL-261C 578 583	0.0004	NA	0.015
RL-261C 583 588	0.0013	NA	0.064
RL-261C 588 593	0.0052	0.0046	0.050
RL-261C 593 598	0.0012	NA	0.044
RL-261C 598 603	0.0031	0.0028	0.050
BL-50	~~0.0512~~	~~NA~~	~~NA~~
RL-261C 603 608	0.0005	NA	0.032
RL-261C 608 613	0.0016	NA	0.038
RL-261C 613 618	0.0029	NA	0.061
RL-261C 734.5 739	0.0683	0.0700	0.070
RL-261C 739 743	0.0156	NA	0.035
RL-261C 743 748	0.0960	0.0755	0.091
RL-261C 748 753	0.0303	NA	0.047
RL-261C 753 758	0.0110	0.0118	0.035
RL-261C 758 763	0.0111	NA	0.020
RL-261C 763 768	0.0264	NA	0.029

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RENO, NEVADA 89511
PHONE: (702) 828-1158

14-Apr-92

LAC MINERALS
P O BOX 21390
RENO NV 89515

Attn: Tim Kuhl
Project:

Received: 8-Apr-92 10:10

PO #:

Job: 92495R

Status: Final

Drill Core

Sample Id	Au FA/AA/AAS oz/ton	Au FA/AA oz/ton	Ag AA oz/ton
RL-261C-618 623	0.0104	0.0095	0.044
BL- 36	~~0.0233~~	~~NA~~	~~NA~~
RL-261C- 623 628	0.0020	NA	0.061
RL-261C- 628 633	0.0036	NA	0.073
RL-261C- 633 638	0.0026	NA	0.088
RL-261C- 638 641.2	0.0064	NA	1.279
RL-261C- 641.2 643	0.0083	NA	0.274
RL-261C- 643 648	0.0112	NA	1.781
RL-261C- 648 651	0.0096	NA	5.548
RL-261C- 651 656	0.1273	0.1247	3.329
RL-261C- 656 661	0.0869	NA	0.178
RL-261C- 661 666	0.0365	NA	0.161
RL-261C- 666 671	0.1399	NA	0.038
RL-261C- 671 675.2	0.6287	NA	0.660
RL-261C- 675.2 681	0.6401	NA	1.518
RL-261C- 681 686	0.0597	NA	0.091
RL-261C- 686 691	0.1740	NA	0.263
RL-261C- 691 696	0.0858	NA	0.222
RL-261C- 696 701	0.1031	NA	0.111
BL- 37	~~<0.0001~~	~~NA~~	~~NA~~
RL-261C- 701 706	0.0371	NA	0.061
RL-261C- 706 711	0.1142	NA	0.105
RL-261C- 711 716	0.0617	NA	0.076
RL-261C- 716 721	0.0678	NA	0.128
RL-261C- 721 726	0.0483	NA	0.055
RL-261C- 726 730.2	0.0044	NA	0.023
RL-261C- 730.2 734.5	0.0726	NA	0.137

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PHONE: (702) 828-1158

16-Apr-92

LAC MINERALS
P O BOX 21390
RENO NV 89515

Attn: Tim Kuhl
Project:

Received: 11-Apr-92 09:43

PO #:

Job: 92528R

Status: Final

Drill Core

Sample Id	Au FA/AA/AAS oz/ton	Au FA/AA oz/ton	Ag AA oz/ton
RL-261C 768 773	0.0024	NA	0.020
RL-261C 773 778	0.0120	NA	0.044
RL-261C 778 783	0.0054	NA	0.044
RL-261C 783 788	0.0960	NA	0.067
RL-261C 788 793	0.0066	NA	0.026
RL-261C 793 798	0.0153	NA	0.038
RL-261C 798 802	0.0062	0.0069	0.070
RL-51	<0.0001	NA	NA
RL-261C 802 806	0.0180	NA	0.070
RL-261C 806 810.5	0.0367	NA	0.073
RL-261C 810.5 815	0.0189	NA	0.053
RL-261C 815 817.4	0.1405	0.1470	0.222
RL-261C 817.4 823	0.0072	NA	0.073
RL-261C 823 828	0.0006	NA	0.020
RL-261C 828 833	0.0003	NA	0.006
RL-261C 833 838	0.0086	0.0075	0.023
RL-261C 838 843	0.0011	NA	0.029
RL-261C 843 848	0.0011	NA	0.018
RL-261C 848 853	0.0004	NA	0.012
RL-261C 853 858	0.0034	NA	0.035
RL-261C 858 863	0.0073	NA	0.044
RL-261C 863 868	0.0121	NA	0.035
RL-261C 868 873	0.0008	NA	0.026
RL-261C 873 877	0.0036	NA	0.038
RL-261C 877 881.5	0.0067	0.0059	0.050
BL- 52	<0.0001	NA	NA
RL-261C 881.5 886.5	0.0337	0.0380	0.096
RL-261C 886.5 889.5	0.0039	NA	0.050
RL-261C 889.5 893	0.0057	NA	0.041
RL-261C 893 897.5	0.0147	NA	0.061

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16-Apr-92

LAC MINERALS
P O BOX 21390
RENO NV 89515

Attn: Tim Kuhl
Project:

PO #:

Received: 11-Apr-92 09:43

Job: 92528R

Status: Final

Drill Core

Sample Id	Au FA/AA/AAS oz/ton	Au FA/AA oz/ton	Ag AA oz/ton
RL-261C 897.5 903	0.0409	NA	0.091
RL-261C 903 908	0.0112	NA	0.053
RL-261C 908 913	0.0016	NA	0.047
RL-261C 913 918	0.0022	0.0017	0.041
RL-261C 918 923	0.0047	NA	0.050
RL-261C 923 928	0.0068	NA	0.047
RL-261C 928 933	0.0025	NA	0.029
RL-261C 933 938	0.0061	NA	0.061
RL-261C 938 942	0.0055	NA	0.050
RL-261C 942 948	0.0034	NA	0.044
RL-261C 948 953	0.0023	NA	0.067
RL-261C 953 958	0.0008	NA	0.041
RL-261C 958 962	0.0066	0.0073	0.093
BL- 53	0.0442	NA	NA
RL-261C 962 966	0.0283	0.0290	0.172
RL-261C 966 970	0.0168	NA	0.064
RL-261C 970 974	0.0114	NA	0.091
RL-261C 974 978	0.0026	NA	0.047
RL-261C 978 983	0.0033	NA	0.055
RL-261C 983 988	0.0005	NA	0.029
RL-261C 988 993	0.0006	NA	0.029
RL-261C 993 998	0.0009	0.0008	0.026
RL-261C 998 1003	0.0070	NA	0.026
RL-261C 1003 1008	0.0004	NA	0.035
RL-261C 1008 1013	0.0011	NA	0.041
RL-261C 1013 1018	0.0012	NA	0.047
RL-261C 1018 1023	0.0041	NA	0.076
RL-261C 1023 1028	0.0054	NA	0.064

File

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BARRINGER LABORATORIES INC.

It was pulled later because part of the sample 897.5-903

23-Apr-92

LAC MINERALS
P O BOX 21390
RENO NV 89515

Page: 1
Copy: 1 of 3
Set : 1

Attn: Tim Kuhl
Project:

Received: 17-Apr-92 09:18

PO #:

Job: 92561R

Status: Final

This is RL-261

Drill Core

Sample Id	Au FA/AA/AAS oz/ton	Au FA/AA oz/ton	Ag AA oz/ton
RL-261-C 898.2 899.95	0.0546	0.0531	0.143
BL-54	~~0.0220~~	~~NA~~	~~NA~~
RL-261-C 1028 1033	0.0937	0.0920	0.131
RL-261-C 1033 1038	0.0109	NA	0.076
RL-261-C 1038 1043	0.0013	NA	0.026
RL-261-C 1043 1048	0.0017	NA	0.041
RL-261-C 1048 1053	0.0033	NA	0.041
RL-261-C 1053 1058	0.0017	NA	0.073
RL-261-C 1058 1063	0.0052	NA	0.041
RL-261-C 1063 1068	0.0008	0.0009	0.012
RL-261-C 1068 1073	<0.0001	NA	0.006
RL-261-C 1073 1078	<0.0001	NA	0.006
RL-261-C 1078 1083	<0.0001	NA	0.003
RL-261-C 1083 1088	<0.0001	NA	0.003
RL-261-C 1088 1093	<0.0001	NA	0.003
RL-261-C 1093 1098	<0.0001	NA	0.003
RL-261-C 1098 1103	0.0069	NA	0.061
RL-261-C 1103 1108	0.0007	NA	0.018
RL-261-C 1108 1113	<0.0001	0.0001	0.003
BL-55	~~0.0320~~	~~NA~~	~~NA~~
RL-261-C 1113 1118	<0.0001	NA	0.003
RL-261-C 1118 1123	0.0002	NA	0.018
RL-261-C 1123 1128	0.0006	NA	0.026
RL-261-C 1128 1133	0.0008	NA	0.026
RL-261-C 1133 1138	0.0014	NA	0.035
RL-261-C 1138 1143	0.0001	NA	0.009
RL-261-C 1143 1148	0.0018	NA	0.023
RL-261-C 1148 1153	0.0013	0.0014	0.035
RL-261-C 1153 1158	0.0002	NA	0.018
RL-261-C 1158 1164	0.0022	NA	0.050

BARRINGER LABORATORIES INC.

15000 W. 6TH AVE., SUITE 300
GOLDEN, COLORADO 80401
PHONE: (303) 277-1687

5301 LONGLEY LANE
BUILDING E. SUITE 178
RENO, NEVADA 89511
PHONE: (702) 828-1158

23-Apr-92

LAC MINERALS
P O BOX 21390
RENO NV 89515

Attn: Tim Kuhl
Project:

Received: 17-Apr-92 09:18

PO #:

Job: 92561R

Status: Final

Drill Core

Sample Id	Au FA/AA/AAS oz/ton	Au FA/AA oz/ton	Ag AA oz/ton
RL-261-C 1164 1169	0.0011	NA	0.032
RL-261-C 1169 1174	0.0022	NA	0.047
RL-261-C 1174 1183	0.0004	NA	0.012
RL-261-C 1183 1187	0.0014	NA	0.009
RL-261-C 1187 1190	0.0014	NA	0.015
RL-261-C 1190 1195	0.0011	NA	0.015
RL-261-C 1195 1200	0.0011	0.0010	0.018
BL-56	<0.0001	NA	NA
RL-261-C 1200 1205	0.0009	NA	0.015
RL-261-C 1205 1210	0.0028	NA	0.015
RL-262-C 953 958	0.0006	NA	0.015
RL-262-C 958 963	0.0007	NA	0.009
RL-262-C 963 968	0.0001	NA	0.003
RL-262-C 968 973	<0.0001	NA	0.003
RL-262-C 973 978	0.0001	NA	0.006
RL-262-C 978 983	<0.0001	0.0001	0.003
RL-262-C 983 988	<0.0001	NA	<0.003
RL-262-C 988 993	<0.0001	NA	0.006

04.23.92 02:23 PM *Barringer Labs, Inc. P02

Bondar-Clegg, Inc.
625 Spice Island Dr.
Building 1, Unit A
Sparks, Nevada 89431
(702) (359-9330)

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

REPORT: R92-10528.4 (COMPLETE)

DATE PRINTED: 7 MAY 92
PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	AG OPT
RL 258 325-330		0.004	0.11
Duplicate		0.004	0.08
RL 259 590-595		0.035	0.43
Duplicate		0.031	0.37
RL 259 610-615		0.028	1.15
Prep Duplicate		0.027	1.03
RL 261C 618-623		0.003	0.05
Duplicate		0.002	0.05
RL 261C 666-671		0.036	0.05
Duplicate		0.039	0.06
RL 261C 691-696		0.129	0.17
Prep Duplicate		0.122	0.15
RL 261C 721-726		0.067	0.05
Duplicate		0.066	0.06

Bondar-Clegg, Inc.
625 Spice Island Dr.
Building 1, Unit A
Sparks, Nevada 89431
2 (359-9330)

BONDAR-CLEGG

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Geochemical Lab Report

REPORT: R92-10528.4 (COMPLETE)

DATE PRINTED: 7-MAY-92
PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	AG OPT
Q2 RL 258 300-305		<0.001	0.03
Q2 RL 258 305-310		0.125	0.75
Q2 RL 258 310-315		0.134	2.60
Q2 RL 258 315-320		0.044	0.76
Q2 RL 258 320-325		0.015	0.44
Q2 RL 258 325-330		0.004	0.11
Q2 RL 258 330-335		0.007	0.04
Q2 RL 258 335-340		0.003	0.05
Q2 RL 258 340-345		0.005	0.08
Q2 RL 259 550-555		<0.001	<0.02
Q2 RL 259 555-560		<0.001	<0.02
Q2 RL 259 560-565		0.010	0.03
Q2 RL 259 565-570		0.014	0.07
Q2 RL 259 570-575		0.013	0.03
Q2 RL 259 575-580		0.018	0.06
Q2 RL 259 580-585		0.002	0.05
Q2 RL 259 585-590		0.037	0.14
Q2 RL 259 590-595		0.035	0.43
Q2 RL 259 595-600		0.036	4.14
Q2 RL 259 600-605		0.043	4.65
Q2 RL 259 605-610		0.063	3.76
Q2 RL 259 610-615		0.028	1.15
Q2 RL 259 615-620		0.042	0.49
Q2 RL 259 620-625		0.016	0.25
Q2 RL 259 625-630		0.006	0.54
Q2 RL 259 630-635		0.011	1.43
Q2 RL 259 635-640		0.002	0.10
Q2 RL 259 640-645		0.003	0.05
Q2 RL 261C 618-623		0.003	0.05
Q2 RL 261C 623-628		<0.001	0.07
Q2 RL 261C 628-633		0.004	0.09
Q2 RL 261C 633-638		0.002	0.11
Q2 RL 261C 638-641.2		0.007	1.76
Q2 RL 261C 641.2-643		0.018	0.39
Q2 RL 261C 643-648		0.011	2.18
Q2 RL 261C 648-651		0.010	6.40
Q2 RL 261C 651-656		0.191	3.99
Q2 RL 261C 656-661		0.116	0.31
Q2 RL 261C 661-666		0.014	0.09
Q2 RL 261C 666-671		0.036	0.05
Q2 RL 261C 671-675.2		0.796	0.83
Q2 RL 261C 675.2-681		0.684	2.18
Q2 RL 261C 681-686		0.085	0.14
Q2 RL 261C 686-691		0.225	0.42
Q2 RL 261C 691-696		0.129	0.17
Q2 RL 261C 696-701		0.118	0.13
Q2 RL 261C 701-706		0.042	0.07
Q2 RL 261C 706-711		0.104	0.15
Q2 RL 261C 711-716		0.067	0.07
Q2 RL 261C 716-721		0.065	0.08
Q2 RL 261C 721-726		0.067	0.05
Q2 RL 261C 726-730.2		0.008	0.03
Q2 RL 261C 730.2734.5		0.070	0.07

Bondar-Clegg, Inc.
625 Spice Island Dr.
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Sparks, Nevada 89431
2 (359-9330)

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

REPORT: R92-10528.4 (COMPLETE)

DATE PRINTED: 7-MAY-92
PROJECT: NONE GIVEN

STANDARD NAME	ELEMENT UNITS	Au OPT	AG OPT
ANALYTICAL BLANK		<0.001	<0.02
Number of Analyses		1	1
Mean Value		0.0005	0.010
Standard Deviation		-	-
Accepted Value		0.002	0.02
MISC STD		0.040	0.30
Number of Analyses		1	1
Mean Value		0.0400	0.300
Standard Deviation		-	-
Accepted Value		-	-

LAC Minerals 356–8058

Rosebud

RL 261

SAMPLE		SAVE	CHECK
0	5		
5	10		
10	15		
15	20		
20	25		
25	30		
30	35		
35	40		
40	45		
45	50		
50	55		
55	60		
60	65		
65	70		
70	75		
75	80		
80	85		
85	90		
90	95		
95	100		
100	105		
105	110		
110	115		
115	120		
120	125		
125	130		
130	135		
135	140		
140	145		
145	150		
150	155		
155	160		
160	165		
165	170		
170	175		
175	180		
180	185		
185	190		
190	195		
195	200		
200	205		
205	210		
210	215		
215	220		
220	225		
225	230		
230	235		
235	240		
240	245		
245	250		
250	255		
255	260		
260	265		
265	270		
270	275		
275	280		
280	285		
285	290		
290	295		
295	300		

SAMPLE		SAVE	CHECK
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		
385	390		
390	395		
395	400		
400	405		
405	410		
410	415		
415	420		
420	425		
425	430		
430	435		
435	440		
440	445		
445	450		
450	455		
455	460		
460	465		
465	470		
470	475		
475	480		
480	485		
485	490		
490	495		
495	500		
500	505		
505	510		
510	515		
515	520		
520	525		
525	530		
530	535		
535	540		
540	545		
545	550		
550	555		
555	560		
560	565		
565	570		
570	575		
575	580		
580	585		
585	590		
590	595		
598	600	X	

SAMPLE		SAVE	CHECK
603-608	~~600 605~~	X	
608-613	~~605 610~~	X	
613-618	~~610 615~~	X	
615	620		
620	625		
625	630		
630	635		
635	640		
640	645		
645	650		
650	655		
655	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		
720	725		
725	730		
730	735		
734.5-739	~~735 740~~	X	
739-743	~~740 745~~	X	
743-748	~~745 750~~	X	
748-753	~~750 755~~	X	
753-758	~~755 760~~	X	
758-763	~~760 765~~	X	
763-768	~~765 770~~	X	
768-773	~~770 775~~	X	
773-778	~~775 780~~	X	
778-783	~~780 785~~	X	
783-788	~~785 790~~	X	
788-793	~~790 795~~	X	
793-798	~~795 800~~	X	
798-802	~~800 805~~	X	
802-806	~~805 810~~	X	
806-810.5	~~810 815~~	X	
810.5-815	~~815 820~~	X	
815-817.4	~~820 825~~	X	
817.4-823	~~825 830~~	X	
823-828	~~830 835~~	X	
828-833	~~835 840~~	X	
833-838	~~840 845~~	X	
838-843	~~845 850~~	X	
843-848	~~850 855~~	X	
848-853	~~855 860~~	X	
853-858	~~860 865~~	X	
858-863	~~865 870~~	X	
863-868	~~870 875~~	X	
868-873	~~875 880~~	X	
873-877	~~880 885~~	X	
877-881.5	~~885 890~~	X	
881.5-886.5	~~890 895~~	X	
886.5-889.5	~~895 900~~	X	
889.5-893		X	
893-897.5		X	
897.5-903		X	

Samples Kept from
Barringer Job # 92561

RL-261C

898.2 - 899.95
1028 - 1033 → 1053 - 1058

→ Coarse rejects
SAVED

LAC minerals — REJECTS TO KEEP

work order #	Rejects to Keep
92809	RL-269
	25-30 → 45-50
	200-205 → 545-550
92788	RL-265
	40-45
	[illegible] → 125-130
92787	RL-261
	125-130 → 155-160
	455-460 → 465-470
92786	RL-264
	20-25 → 40-45
92785	RL-266
	those to Keep are on page 1 : 540-545 → 610-615
	660-665 → 680-685
92784	RL-268
	60-65 → 75-80
	225-230 → 305-310
92783	RL-267
	25-30 → 45-50
	185-190 → 235-240