60001265

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. RE-29
AUTHOR	K. Kenner ; R. Grondin
DATE OF DOC(S)	1989
MULTI_DIST Y / (N?) Additional Dist_Nos:	
QUAD_NAME	Sulphur 7.5'
P_M_C_NAME (mine, claim & company names)	Rosebud Mine; Rosebud Project; Lac Minerals (USA) Inc Environmental West Exploration
COMMODITY If not obvious	gold silver
NOTES	Drill log; geology; assay; total depth 505' handwritten notes 17p.

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

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

Revised: 1/22/08

DRILL LOGS RE-29
Rosebud

60001265 4010

60001265

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

DRILL LOG SUMMARY SHEET

PROJECT ROSEBUD

HOLE NUMBER RE-29 TOTAL DEPTH 505' LOGGED BY KLK

Date started August 2, 1989 0-405
August 3, 1989 405-505

Date completed 8-3-89

Initial bearing ~~S~~ N 1.5° ~~E~~ W

Initial inclination -59°

Elevation 5304.2

Collar coordinates:

N 2203336.0

E 481380.9

Contractor: Environmental West Exploration

Drill Type: Reverse Circulation : REICH 650

Hole Size: Hammer 5½"

Drilling Conditions: good - small bridge - no major problems

Footage: Wet / Dry Dry 0-265'
wet 265' → TD hammer H_2O'd out

Comments: entire hole w/ hammer
last 20' took 2 hrs to drill
H_2O pressure up + depth TD hole

DOWN HOLE SURVEY INFORMATION

FROM	TO	SURVEY POINT	INCLI-NATION	BEARING	X (Northing)	Y (Easting)	Z (Elevation)
0	50		-59	S 01.5 W			
50	150		-61	"			
150	250		-63	"			
250	350		-65	"			
350	450		-67	"			
450	505		-68	"			

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PROJECT ROSEBUD LOGGED BY KLK HOLE NO. RE-29 PAGE 1 OF 10

Depth	RECOVERY	LITHOLOGIC DESCRIPTION chocolate	GRAPHIC LOG	GRAPHIC ALTERATION	ALTERATION: ARGILLIC W M S	SILICIFICATION W M S	PROPYLLITIC W M S	COLOR FINES	MINERALIZATION: LIMONITE W M S	HEMATITE W M S	JAROSITE W M S	% SULFIDES	OTHER COMMENTS	ANALYSES: Au	Au ✓	Ag	As	Hg	Sb	Se
0	Good	fine grained mod well silicified tuff bubbly lt brn to wt gray pun. pyr. oxidized + wh to wh/gray mod limonite clay lime stockwork qtz vns + FeO drusy qtz vns + calcedony veinlets few clay alt halos		XX Xc XK Xc				orange Buff				< 1% FeOx replaced relict py crystals		.002		.13				
5	"	with limonite + goethite vns																		
	"	same						"				"		.001		.11				
10	"	same						"				"		.001		<.10				
15	"	same						"				"		.001		<.10				
20	"	same - fractured zone w/ ↑ pyr silicific bleached lt to mod limonite clay		XX XK Xc				Lt yellow				"		.001		<.10				
25	"	same - ↑ bleached w/ mod lt yellow to orange clay + pyr FeOx	CLAY	XX XK Xc				"				"		.001		<.10				
30	"	same ↑ bleached w/ mod lt yellow to limonite clay + pyr FeOx	CLAY	XX XK Xc				Red orange				"		.002		.13				
35	"	same - w/ mod red orange to orange clay		X XK Xc				"				"		.002		.14				
40	"	same wt to mod red orange to limonite clay						"				"		.001		.15				
45	"	same + pyr FeOx						yellow tan				"		.001		.12				
50																				

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PROJECT: ROSEBUD LOGGED BY: KLK HOLE NO. RE-29 PAGE 2 OF 10

Depth	RECOVERY	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	GRAPHIC ALTERATION	ALTERATION: ARGILLIC (W M S)	ALTERATION: SILICIFICATION (W M S)	ALTERATION: PROPYLLITIC (W M S)	COLOR FINES	MINERALIZATION: LIMONITE (W M S)	MINERALIZATION: HEMATITE (W M S)	MINERALIZATION: JAROSITE (W M S)	% SULFIDES	OTHER COMMENTS	ANALYSES: Au	Au V	Ag	As	Hg	Sb	Se
50	GOOD	Chocolate tuff 70-75' into Bud Δia Fine grn tuff pyr. bleached with intermittent zones of silicification w/in pyr argillic clay alt mod to wk pyr limonite wk drusy FeOx fill qtz vns, wk hairline stwork qtz w/c white clay		X XK XC				yellow buff				≤1% FeOx replac py		.002		.12				
55	"	Bubb-argalt tan-silicy + calbedony vns same w/ wk↑ white clay local Δiation wk↑ pyr. silicification		↓				"				"		.001		.19				
60	"	Intense white clay alt 62-66 fracturing w/moisture	FAULT CLAY					grey				±2% diss ±vn py		.001		.26				
65	"	Intense white + orange clay alt	CLAY					redish org				?		.002		.22				
70	"	Same w/ transition into Bud Δia - fragmental		X XK XC				yellow				≤1% FeOx replac py		.001		.11				
75	"	Bud Δia - fragmental - pod hydrothermally brecciated w/ zones of mod strong silicificat bstr/mod argillic clay alt Bubb to wh drusy chrm (smectite) alt wkan white clay wh hairline stwk qtz		X XK XC				"				±1% FeOx replac py		<.001		.21				
80	"	wh FeOx filled drusy qtz vns wk FeOx vns same wh/white waxy clay vns			"	"		"				"		.001		<.10				
85	"	same			"	"		"	"			"		<.001		.13				
90	"	same			"	"		grey	"			"		.002		<.10				
95	"	same wh FeOx clay			"	"		yellow	"			"		.002		<.10				
100																				

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PROJECT ROSEBUD LOGGED BY KLK HOLE NO. RE-29 PAGE 3 OF 10

Depth	RECOVERY	LITHOLOGIC DESCRIPTION (Bud Dia)	GRAPHIC LOG	GRAPHIC ALTERATION	ARGILLIC W	ARGILLIC M	ARGILLIC S	SILICIFICATION W	SILICIFICATION M	SILICIFICATION S	PROPYLLITIC W	PROPYLLITIC M	PROPYLLITIC S	COLOR FINES	LIMONITE W	LIMONITE M	LIMONITE S	HEMATITE W	HEMATITE M	HEMATITE S	JAROSITE W	JAROSITE M	JAROSITE S	% SULFIDES	OTHER COMMENTS	Au	Au V	Ag	As	Hg	Sb	Se
100	GOOD	fragmental - clasts clay alt w/ fine (smectite?) alt w/ hy tidal silicious matrix w/ limonite clay, w/ calcedony veins + fine hairline stockwork qtz, v. wk drusy + FeOx veins w/ white clay alt												yellow										±1% FeOx replace py		.002		<.10				
105	"	same												yellow gray										"		<.001		<.10				
110	"	same												"										"		.002		.11				
115	"	same wk ↑ limon clay w/ wk red org clay												"										"		.002		.14				
120	"	same w/ ↑ limonite clay + w/ red org clay												grey white										"		.001		<.10				
125	"	same ↑ bleaching ↑ argillic clay alt non silicified												"										" @ tr		.002		.24				
130	"													red + yellow										"		.001		.17				
135	"	same w/ ↑ white bleaching w/ assoc ↑ clay alt												white										"		.001		.24				
140	"													gray + yellow										"		.001		.11				
145	"	same @ 100-105 w/ v clay siliceous matrix												reddish yellow										"		.002		<.10				
150																																	

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PROJECT ROSEBUD LOGGED BY KLK HOLE NO. RE-29 PAGE 4 OF 10

Depth	RECOVERY	LITHOLOGIC DESCRIPTION (Bud Dia)	GRAPHIC LOG	GRAPHIC ALTERATION	ARGILLIC (W M S)	SILICIFICATION (W M S)	PROPYLLITIC (W M S)	COLOR FINES	LIMONITE (W M S)	HEMATITE (W M S)	JAROSITE (W M S)	% SULFIDES	OTHER COMMENTS	Au	Au ✓	Ag	As	Hg	Sb	Se
150	GOOD	Bud - fragmental lt smectite grn w/ white clay lt clasts + pure clay alt locally w/ hy siliceous matrix, wk stwk + drusy qtz wk pure limonite clays 150-155 brecciated + silicified tuffy frags		XX XK XC				reddish yellow				± 1% FeOx replac py		.002		<.10				
155	"	same w/ ↓ pure silicif.		X XK XC				"				"		.002		<.10				
160	"	same 162-166 well fractured hailstone? strong red orange clay						"				"		.001		<.00				
165	"	same w/ mod red orange clay w/ bur flesh colored tuff frags						"				"		.003		.13				
170	"	same w/ wh buff silic. tuff component locally hydrothm. dia ↑ stwk qtz		XX XK XC				grey white				" plus 1% fresh py		.002		.32				
175	"	same Bud w/ wh FeOx clay + fine gr tuff component		XK XC				"				± 1% FeOx + fresh py	replac	.002		<.10				
180	"	lt gray green fine grained tuff pure white clay alt w/ local wh silicification mod strong gray white clay local lt gray clay bands local flow banding textures 180-185 ↑ pure SiO2 lt white qtz/calcedony vns		XK XC				"				2-3% fresh diss + vn py		.002		<.10				
185	"	same * strong gray white clay						"				"		<.001		<.10				
190	"	same strong lt green clay bands						"				"		<.001		<.10				
195	"	same good flow banding textures		XK XC				"				"		.001		<.10				
200																				

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PROJECT ROSEBUD LOGGED BY K LK HOLE NO. RE-29 PAGE 5 OF 10

Depth	RECOVERY	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	GRAPHIC ALTERATION	ALTERATION: ARGILLIC (W M S)	ALTERATION: SILICIFICATION (W M S)	ALTERATION: PROPYLLITIC (W M S)	COLOR FINES	MINERALIZATION: LIMONITE (W M S)	MINERALIZATION: HEMATITE (W M S)	MINERALIZATION: JAROSITE (W M S)	% SULFIDES	OTHER COMMENTS	ANALYSES: Au	Au V	Ag	As	Hg	Sb	Se
		Bud Dia - mixed 200-205 mod gray clay																		
200	GOOD	Mixed fragmental w/ local flow banded tuff, some pur smectite alt stratified strong argillic clay alt w/ intermittent silicification w/ pur gray clay, wh crumby locally sulfide encap qtz	V V V

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PROJECT: ROSEBUD LOGGED BY: KLK HOLE NO. RE-29 PAGE 6 OF 10

Depth	RECOVERY	LITHOLOGIC DESCRIPTION (Bud-mixed?)	GRAPHIC LOG	GRAPHIC ALTERATION	ARGILLIC (W M S)	SILICIFICATION (W M S)	PROPYLLITIC (W M S)	COLOR FINES	LIMONITE (W M S)	HEMATITE (W M S)	JAROSITE (W M S)	% SULFIDES	OTHER COMMENTS	Au	Au V	Ag	As	Hg	Sb	Se
250	GOOD	mixed fragmental; lime or sal green strongly clay alt tuffs, pervasive clay throughout ± wh bleaching, lime stockwork + drusy/locally encrd sulf qtz vns w/ white clay. Very weak local siliceous seams						gray white				2-3% VN + diss py + marcasite		.001		.19				
255	"	same wkly mod white clay 250-270						"				"		.004		.57				
260	"	same wk ↑ drusy qtz sulfide vns; predom sal green wavy tuffs clay						"				"		.002		.15				
265	"	same but v. wkly silic tuff frag						"				"		.002		.38				
270	"	same w/ ↑ fragmental ↑ monton/sanidine wk siliceous seams mod gray & white clays						"				"		.003		.24				
275	"	same @ 270-275						"				" @ 3-4%		.002		.81				
280	"	same ↑ gray clay						"				"		.002		.68				
285	"	same ↑ drusy marcasite qtz vns ↑ predom tuffs						"				"		.003		.11				
290	"	same wk siliceous seams						"				" @ ~3%		.010		<.10				
295	"	same w/ ↑ drusy qtz vns ↑ perv clay alt						"				"		.003		.13				
300																				

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PROJECT ROSEBUD LOGGED BY KLK HOLE NO. RE-29 PAGE 7 OF 10

Depth	RECOVERY	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	GRAPHIC ALTERATION	ALTERATION: ARGILLIC W	ARGILLIC M	ARGILLIC S	SILICIFICATION W	SILICIFICATION M	SILICIFICATION S	PROPYLLITIC W	PROPYLLITIC M	PROPYLLITIC S	COLOR FINES	MINERALIZATION: LIMONITE W	LIMONITE M	LIMONITE S	HEMATITE W	HEMATITE M	HEMATITE S	JAROSITE W	JAROSITE M	JAROSITE S	% SULFIDES	OTHER COMMENTS	ANALYSES: Au	Au V	Ag	As	Hg	Sb	Se
300	GOOD	mottled brecciated fine grained tuff, pervasively veinlet filling bleaching and to 1% sulfide drusy qtz ± sulfide veins, fine banding stockwork qtz, local stockwork encapsulating sulfides w/ local white clay assoc												lt green										~3% diss + vn py + poss calcopyrite	+ marcasite	.002		.23				
"		Same w/ ↑ drusy qtz ± sulfide veins												"										"	"	.002		<.10				
"		Same w/ ↑ drusy qtz sulfide veins												"										" @ ~4%	"	.005		.10				
"		Same w/ interfingering beds of tan locally brecciated nodular tuff w/ ↑ stockworks + drusy qtz vns local silicification with white clay w/ FeOx												tan + green										"	"	.003		<.10				
"		Same @ 315-320 w/ ↑ white waxy clay w/ ↓ drusy qtz vns												"										" @ 3-4%	"	.003		<.10				
"		Same @ 315-320 w/ relict flowbanding texture ↓ drusy qtz vns with crystallized + white green clay poss w/ mixed epiclastic												"										"	" poss w/ sphalerite	.004		<.10				
"		Same w/ ↓ tan brecc. tuff poss w/ epiclastic component no prev. silicic												"										" @ 3%	"	.004		<.10				
"		Same w/ bleached tuff w/ ↓ siliceous beds w/ assoc white waxy clay vns poss w/ epiclastic component												"										"	"	.003		.15				
"		Same w/ ↑ tan siliceous tuff frags w/ ↑ drusy qtz sulfide vns												"										" @ 3-4%	"	.003		.11				
"		Same w/ ↑ tan siliceous tuff frags w/ assoc drusy qtz marcasite vns + w/ assoc white clay + epiclastic assoc												"										"	"	.002		<.10				

300 305 310 315 320 325 330 335 340 345 350

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PROJECT ROSEBUD LOGGED BY KLK HOLE NO. RE-29 PAGE 8 OF 10

Depth	RECOVERY	LITHOLOGIC DESCRIPTION (370-375 in ID)	GRAPHIC LOG	GRAPHIC ALTERATION	ARGILLIC W M S	SILICIFICATION W M S	PROPYLLITIC W M S	COLOR FINES	LIMONITE W M S	HEMATITE W M S	JAROSITE W M S	% SULFIDES	OTHER COMMENTS	Au	Au V	Ag	As	Hg	Sb	Se
350	GOOD	lt sage green to gray tan brecc tuffs w/ poss. wk epiclastic component pervasive argillic clay alt w/ wk bleaching local whitey siliceous halos w/ local brown to white clay wk chlorite + chalcedonic stockwork qtz locally encapsulating sulfides		X XX XK				lt sage green to tan				2-3% diss + vn py	poss w/ chalco + marcasite	.003		.11				
355	"	same w/ ↑ drusy qtz + marcasite + chalcopyrite vns w/ assoc white clay - open space		X XX XK				"				" @ 3-4% S	"	.003		.13				
360	"	same w/ ↑ milky white clay		X XX XK				"				" @ 3%	"	.006		.23				
365	"	same w/ local fair replac sulfides - predom fine gr tuff - ↑ bleaching + wk ↑ white clay local ↑ pervasive silic		X XK XX				"				"	"	.003		.15				
370	"	Entering porphyry - Tan to pink grainy tuff pervasive clay alt w/ strong white drusy clay w/ banded light gray white calcedony vns (w/ FeS2 vns) + hairline qtz stockwork + wk trace qtz sulfide vns pervasive siliceous seams	CLAY	X XX XK				TAN				"	"	.003		.17				
375	"	same locally brecciated w/ assoc silicate w/ ↑ white clay	CLAY	X XX XC XK				"				" @ 4%	"	.004		.18				
380	"	same w/ ↑ white clay		X XC XX XK				"				" @ 3-4%	"	.003		<.10				
385	"	same w/ ↑ calcedonic qtz ↓ white clay wk ↑ pervasive silicification		X XC XX XK				"				" @ 4%	"	.004		.17				
390	"	same w/ local ↑ silicif. local alation wk ↑ white clay		X XC XX XK				"				" @ 3-4%	"	.005		.23				
395	"	same w/ wk epiclastic component local alation		X XC XX XK				"				"	"	.005		<.10				
400																				

LAC MINERALS U.S.A. INC.

PROJECT ROSEBUD LOGGED BY KLK HOLE NO. RE-29 PAGE 9 OF 10

Depth	RECOVERY	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	GRAPHIC ALTERATION	ALTERATION: ARGILLIC (W M S)	ALTERATION: SILICIFICATION (W M S)	ALTERATION: PROPYLLITIC (W M S)	COLOR FINES	MINERALIZATION: LIMONITE (W M S)	MINERALIZATION: HEMATITE (W M S)	MINERALIZATION: JAROSITE (W M S)	% SULFIDES	OTHER COMMENTS	ANALYSES: Au	Au ✓	Ag	As	Hg	Sb	Se
		$ @ 435 435-440 - SGE																		
400	GOOD	Tan grainy tuff pervasive argillically alt w/ wh. white silicious zones above brecciation where more lt gray translucent calcedony vns with white clay vns drusy qtz sulfide encap vns fine hairline qtz SAGE Sprk						TAN				4-5% diss + vn pyrite vns + chal	caste cap pyrite	.007		.12				
405	"	Same w/ ↑ calcedony vns w/ ↑ white waxy clay vns						"				"		.007		.19				
410	"	Same w/ mod str calcedony vns + tan/wh silica vns (jarosite?) w/ brink green						"				" @ 3%		.007		.63				
415	"	Same w/ ↑ pervasive calcedonic silicification						"				"		.004		<.10				
420	"	435-435 - major fault zone w/ strong calcedonic silicification w/ assoc brecciation w/ FeO replaced sulfides, bleached w/ zone smectite alt	FAULT					"				"		.002		<.10				
425	"	Same						"				"		.003		<.10				
430	"	Same w/ ↑ mod white clay						"				"		.005		<.10				
435	"	SGT - lt sage grn grainy epiclastic pervasive argillically alt - bleached - calc alt total drusy qtz pyrite vns w/ white to lt green clay w/ fine stockwork qtz						SAGE GREEN				" @ 4%		.001		<.10				
440	"	Same - epiclastic to grainy tuff hard w/ zones bleaching ↑ pervasive smectite alt & hardened - silicification?						"				2% diss + vn py		<.001		<.10				
445	"	Same @ 440-445 - medium fine ash tuff						"				" @ 2-3%		<.001		.18				
450																				

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PROJECT ROSEBUD LOGGED BY KLK HOLE NO. RE-29 PAGE 10 OF 10

	RECOVERY	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	GRAPHIC ALTERATION	ALTERATION: ARGILLIC W M S	ALTERATION: SILICIFICATION W M S	ALTERATION: PROPYLLITIC W M S	COLOR FINES	MINERALIZATION: LIMONITE W M S	MINERALIZATION: HEMATITE W M S	MINERALIZATION: JAROSITE W M S	% SULFIDES	OTHER COMMENTS	ANALYSES: Au	Au ✓	Ag	As	Hg	Sb	Se
450	GOOD	Sage green fine grd tr pruvian tuff with pkw bleaching w/ white waxy clay veins w/ argillic clayalt slightly hard pirit pum fill w/ silicification with local fine hairline chlk zz		Xk Co P				Sage green				2%± diss ± VN py		.002		<.10				
455	"	Same w/ ↑ argillic clayalt w/ py + white clay veins		Xk Co P				"				"		.002		.15				
460	"	Same w/ whi gum + gray clay veins		Xk Co P				"				" @ 2-3%		.001		<.10				
465	"	Same w/ ~ 7-10% contamination ↓ pirit argillic clayalt		Xk Co P				"				" @ ~2%		.001		<.10				
470	"	Same w/ ↑ pkw bleaching w/ calcite veins w/ local accc py w/ white clay + py vns		Xk Co P				"				" @ 2-3%		.001		<.10				
475	"	Same w/ ↓ bleaching bleched w/ chl phenos		Xk Co P				"				" @ 2%		<.001		<.10				
480	"	Same w/ ↓ bleaching + bleached chl phenos		Xk Co P				"				"		<.001		<.10				
485	"	Same w/ ~ 7-10% contamination		Xk Co P				"				"		.003		<.10				
490	"	Same becoming variegated dk purple + green ↓ bleaching w/ prevalent sat'd sd w/ tr limonite		Co P				"				<1% diss py		<.001		<.10				
495	"	Same @ 490-495		Co P				dk purple + green				"		<.001		<.10				
500	"	Same @ 490-495 T.D.		Co P				"				"		<.001		<.10				

NEVADA GSI GEOCHEMICAL SERVICES, INC.

AUG 21 1989

GEOCHEMICAL ANALYSIS REPORT

August 17, 1989

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

Number of Samples: 298
Project: 615411
GSI Number: 5083
Analysis: Fire Assay for Gold and Silver, with an A.A. finish.

	Sample I.D.			Au o/t	Ag o/t
1	RE-27	0	5	0.001	<.10
2	RE-27	5	10	0.001	<.10
3	RE-27	10	15	0.002	<.10
4	RE-27	15	20	0.001	<.10
5	RE-27	20	25	0.002	0.12
6	RE-27	25	30	0.001	<.10
7	RE-27	30	35	<.001	<.10
8	RE-27	35	40	<.001	<.10
9	RE-27	40	45	<.001	<.10
10	RE-27	45	50	<.001	0.28
11	RE-27	50	55	0.004	0.11
12	RE-27	55	60	0.001	0.12
13	RE-27	60	65	0.001	<.10
14	RE-27	65	70	<.001	0.13
15	RE-27	70	75	<.001	<.10
16	RE-27	75	80	0.002	0.23
17	RE-27	80	85	0.001	<.10
18	RE-27	85	90	0.001	0.25
19	RE-27	90	95	0.001	<.10
20	RE-27	95	100	0.001	<.10
21	RE-27	100	105	0.001	<.10
22	RE-27	105	110	0.001	<.10
23	RE-27	110	115	0.001	<.10
24	RE-27	115	120	0.001	<.10
25	RE-27	120	125	<.001	<.10
26	RE-27	125	130	0.001	0.37
27	RE-27	130	135	0.001	<.10
28	RE-27	135	140	0.002	<.10
29	RE-27	140	145	0.005	<.10
30	RE-27	145	150	0.005	0.10

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Sample I.D.			Au o/t	Ag o/t
31	RE-27	150 155	<.001	<.10
32	RE-27	155 160	<.001	<.10
33	RE-27	160 165	0.001	<.10
34	RE-27	165 170	<.001	<.10
35	RE-27	170 175	<.001	<.10
36	RE-27	175 180	<.001	0.15
37	RE-27	180 185	0.001	<.10
38	RE-27	185 190	0.002	0.17
39	RE-27	190 195	<.001	<.10
40	RE-27	195 200	<.001	<.10
41	RE-27	200 205	<.001	<.10
42	RE-27	205 210	<.001	<.10
43	RE-27	210 215	<.001	<.10
44	RE-27	215 220	<.001	<.10
45	RE-27	220 225	<.001	<.10
46	RE-27	225 230	<.001	<.10
47	RE-27	230 235	0.001	<.10
48	RE-27	235 240	0.001	0.23
49	RE-27	240 245	0.004	<.10
50	RE-27	245 250	0.003	0.34
51	RE-27	250 255	<.001	0.18
52	RE-27	255 260	0.002	<.10
53	RE-27	265 270	<.001	<.10
54	RE-27	270 275	<.001	<.10
55	RE-27	275 280	<.001	<.10
56	RE-27	280 285	<.001	<.10
57	RE-27	285 290	<.001	<.10
58	RE-27	290 295	0.001	<.10
59	RE-27	295 300	<.001	<.10
60	RE-27	300 305	<.001	<.10
61	RE-27	305 310	<.001	<.10
62	RE-27	310 315	<.001	<.10
63	RE-27	315 320	<.001	<.10
64	RE-27	320 325	<.001	<.10
65	RE-27	325 330	0.002	<.10
66	RE-27	330 335	<.001	<.10
67	RE-27	335 340	<.001	<.10
68	RE-27	340 345	0.001	<.10
69	RE-27	345 350	<.001	<.10
70	RE-27	350 355	0.001	<.10
71	RE-27	355 360	0.003	<.10
72	RE-27	360 365	0.004	<.10
73	RE-27	365 370	0.005	<.10
74	RE-27	370 375	0.002	0.24
75	RE-27	375 380	0.004	<.10
76	RE-27	380 385	0.006	<.10

	Sample I.D.			Au o/t	Ag o/t
77	RE-27	385	390	0.004	0.17
78	RE-27	465	470	0.325	8.83
79	RE-27	470	475	0.206	5.42
80	RE-27	475	480	0.069	4.64
81	RE-27	480	485	0.032	1.10
82	RE-27	485	490	0.012	<.10
83	RE-27	490	495	0.013	<.10
84	RE-27	495	500	0.012	<.10
85	RE-27	500	505	0.006	<.10
86	RE-27	505	510	0.014	<.10
87	RE-27	510	515	0.025	<.10
88	RE-27	515	520	0.014	0.14
89	RE-27	520	525	0.003	<.10
90	RE-27	525	530	0.004	<.10
91	RE-27	530	535	0.003	<.10
92	RE-27	535	540	0.008	<.10
93	RE-27	540	545	0.003	<.10
94	RE-27	545	550	0.006	<.10
95	RE-27	550	555	0.003	<.10
96	RE-27	555	560	0.010	<.10
97	RE-27	560	565	0.007	<.10
98	RE-27	565	570	0.008	<.10
99	RE-27	570	575	0.006	<.10
100	RE-27	575	580	0.032	<.10
101	RE-28	0	5	0.003	<.10
102	RE-28	5	10	0.002	<.10
103	RE-28	10	15	0.001	<.10
104	RE-28	15	20	0.001	<.10
105	RE-28	20	25	0.001	<.10
106	RE-28	25	30	0.002	<.10
107	RE-28	30	35	0.001	<.10
108	RE-28	35	40	0.002	<.10
109	RE-28	40	45	0.003	0.10
110	RE-28	45	50	0.002	<.10
111	RE-28	50	55	0.002	0.13
112	RE-28	55	60	0.003	<.10
113	RE-28	60	65	0.001	<.10
114	RE-28	65	70	0.001	<.10
115	RE-28	70	75	<.001	0.14
116	RE-28	75	80	<.001	<.10
117	RE-28	80	85	<.001	<.10
118	RE-28	85	90	0.003	<.10
119	RE-28	90	95	0.001	<.10
120	RE-28	95	100	0.005	<.10
121	RE-28	100	105	0.001	<.10
122	RE-28	105	110	0.001	<.10

Sample I.D.				Au o/t	Ag o/t
123	RE-28	110	115	0.003	<.10
124	RE-28	115	120	<.001	<.10
125	RE-28	120	125	<.001	<.10
126	RE-28	125	130	0.002	<.10
127	RE-28	130	135	0.001	<.10
128	RE-28	135	140	0.002	<.10
129	RE-28	140	145	0.003	<.10
130	RE-28	145	150	0.001	<.10
131	RE-28	150	155	0.002	<.10
132	RE-28	155	160	0.001	<.10
133	RE-28	160	165	0.002	<.10
134	RE-28	165	170	0.001	<.10
135	RE-28	170	175	0.001	<.10
136	RE-28	175	180	0.003	0.12
137	RE-28	180	185	<.001	<.10
138	RE-28	185	190	0.007	0.16
139	RE-28	190	195	<.001	<.10
140	RE-28	195	200	<.001	0.13
141	RE-28	200	205	0.002	<.10
142	RE-28	205	210	0.001	<.10
143	RE-28	210	215	<.001	0.10
144	RE-28	215	220	<.001	<.10
145	RE-28	220	225	<.001	<.10
146	RE-28	225	230	<.001	<.10
147	RE-28	230	235	<.001	<.10
148	RE-28	235	240	<.001	<.10
149	RE-28	240	245	0.003	1.26
150	RE-28	245	250	0.061	0.96
151	RE-28	250	255	<.001	<.10
152	RE-28	255	260	<.001	0.17
153	RE-28	260	265	<.001	0.42
154	RE-28	265	270	0.021	0.45
155	RE-28	270	275	0.011	0.63
156	RE-28	275	280	0.003	0.27
157	RE-28	280	285	0.002	0.57
158	RE-28	285	290	0.001	0.57
159	RE-28	290	295	<.001	0.21
160	RE-28	295	300	0.006	0.16
161	RE-28	300	305	0.001	<.10
162	RE-28	305	310	0.002	0.14
163	RE-28	310	315	0.002	<.10
164	RE-28	315	320	0.002	0.12
165	RE-28	320	325	0.002	0.50
166	RE-28	325	330	0.003	0.11
167	RE-28	330	335	0.004	0.29
168	RE-28	335	340	0.003	0.16

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Sample I.D.				Au o/t	Ag o/t
169	RE-28	340	345	0.003	0.90
170	RE-28	345	350	0.002	<.10
171	RE-28	350	355	0.002	<.10
172	RE-28	355	360	<.001	<.10
173	RE-28	360	365	0.001	<.10
174	RE-28	365	370	0.003	0.36
175	RE-28	370	375	0.006	0.22
176	RE-28	375	380	0.004	<.10
177	RE-28	380	385	0.005	0.16
178	RE-28	385	390	0.003	0.10
179	RE-28	390	395	0.002	<.10
180	RE-28	395	400	0.003	<.10
181	RE-28	400	405	0.005	0.16
182	RE-28	405	410	0.009	0.15
183	RE-28	410	415	0.010	<.10
184	RE-28	415	420	0.002	0.11
185	RE-28	420	425	0.001	0.23
186	RE-28	425	430	0.006	0.11
187	RE-28	430	435	0.005	0.14
188	RE-28	435	440	0.001	<.10
189	RE-28	440	445	<.001	<.10
190	RE-28	445	450	<.001	<.10
191	RE-28	450	455	<.001	<.10
192	RE-28	455	460	<.001	<.10
193	RE-28	460	465	<.001	<.10
194	RE-28	465	470	<.001	0.14
195	RE-28	470	475	<.001	<.10
196	RE-28	475	480	<.001	0.11
197	RE-28	480	485	<.001	<.10
198	RE-29	0	5	0.002	0.13
199	RE-29	5	10	0.001	0.11
200	RE-29	10	15	0.001	<.10
201	RE-29	15	20	0.001	<.10
202	RE-29	20	25	0.001	<.10
203	RE-29	25	30	0.001	<.10
204	RE-29	30	35	0.002	0.13
205	RE-29	35	40	0.002	0.14
206	RE-29	40	45	0.001	0.15
207	RE-29	45	50	0.001	0.12
208	RE-29	50	55	0.002	0.12
209	RE-29	55	60	0.001	0.19
210	RE-29	60	65	0.001	0.26
211	RE-29	65	70	0.002	0.22
212	RE-29	70	75	0.001	0.11
213	RE-29	75	80	<.001	0.21
214	RE-29	80	85	0.001	<.10

Sample I.D.				Au o/t	Ag o/t
215	RE-29	85	90	<.001	0.13
216	RE-29	90	95	0.002	<.10
217	RE-29	95	100	0.002	<.10
218	RE-29	100	105	0.002	<.10
219	RE-29	105	110	<.001	<.10
220	RE-29	110	115	0.002	0.11
221	RE-29	115	120	0.002	0.14
222	RE-29	120	125	0.001	<.10
223	RE-29	125	130	0.002	0.24
224	RE-29	130	135	0.001	0.17
225	RE-29	135	140	0.001	0.24
226	RE-29	140	145	0.001	0.11
227	RE-29	145	150	0.002	<.10
228	RE-29	150	155	0.002	<.10
229	RE-29	155	160	0.002	<.10
230	RE-29	160	165	0.001	<.10
231	RE-29	165	170	0.003	0.13
232	RE-29	170	175	0.002	0.32
233	RE-29	175	180	0.002	<.10
234	RE-29	180	185	0.002	<.10
235	RE-29	185	190	<.001	<.10
236	RE-29	190	195	<.001	<.10
237	RE-29	195	200	0.001	<.10
238	RE-29	200	205	0.001	<.10
239	RE-29	205	210	0.001	<.10
240	RE-29	210	215	0.003	<.10
241	RE-29	215	220	0.002	<.10
242	RE-29	220	225	0.003	0.18
243	RE-29	225	230	0.002	0.17
244	RE-29	230	235	0.002	0.14
245	RE-29	235	240	0.001	<.10
246	RE-29	240	245	0.002	<.10
247	RE-29	245	250	0.001	<.10
248	RE-29	250	255	0.001	0.19
249	RE-29	255	260	0.004	0.57
250	RE-29	260	265	0.002	0.15
251	RE-29	265	270	0.002	0.38
252	RE-29	270	275	0.003	0.24
253	RE-29	275	280	0.002	0.81
254	RE-29	280	285	0.002	0.68
255	RE-29	285	290	0.003	0.11
256	RE-29	290	295	0.010	<.10
257	RE-29	295	300	0.003	0.13
258	RE-29	300	305	0.002	0.23
259	RE-29	305	310	0.002	<.10
260	RE-29	310	315	0.005	0.10

Sample I.D.				Au o/t	Ag o/t
261	RE-29	315	320	0.003	<.10
262	RE-29	320	325	0.003	<.10
263	RE-29	325	330	0.004	<.10
264	RE-29	330	335	0.004	<.10
265	RE-29	335	340	0.003	0.15
266	RE-29	340	345	0.003	0.11
267	RE-29	345	350	0.002	<.10
268	RE-29	350	355	0.003	0.11
269	RE-29	355	360	0.003	0.13
270	RE-29	360	365	0.006	0.23
271	RE-29	365	370	0.003	0.15
272	RE-29	370	375	0.003	0.17
273	RE-29	375	380	0.004	0.18
274	RE-29	380	385	0.003	<.10
275	RE-29	385	390	0.004	0.17
276	RE-29	390	395	0.005	0.23
277	RE-29	395	400	0.005	<.10
278	RE-29	400	405	0.007	0.12
279	RE-29	405	410	0.007	0.19
280	RE-29	410	415	0.007	0.63
281	RE-29	415	420	0.004	<.10
282	RE-29	420	425	0.002	<.10
283	RE-29	425	430	0.003	<.10
284	RE-29	430	435	0.005	<.10
285	RE-29	435	440	0.001	<.10
286	RE-29	440	445	<.001	<.10
287	RE-29	445	450	<.001	0.18
288	RE-29	450	455	0.002	<.10
289	RE-29	455	460	0.002	0.15
290	RE-29	460	465	0.001	<.10
291	RE-29	465	470	0.001	<.10
292	RE-29	470	475	0.001	<.10
293	RE-29	475	480	<.001	<.10
294	RE-29	480	485	<.001	<.10
295	RE-29	485	490	0.003	<.10
296	RE-29	490	495	<.001	<.10
297	RE-29	495	500	<.001	<.10
298	RE-29	500	505	<.001	<.10

This report reviewed and approved by:

Richard A. Grondin

Richard Grondin, Operations Manager