6000 G736

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. RBW-3
AUTHOR	S King; C. Muerhoff
DATE OF DOC(S)	1995
MULTI_DIST Y / N? Additional Dist_Nos:	
QUAD_NAME	Sulphur 7.5'
P_M_C_NAME (mine, claim & company names)	Rosebud Mine; Hecla Mining Co; Rosebud Project
COMMODITY If not obvious	gold; silver
NOTES	drill logs; geology; assay; total depth 770' handwritten notes; receipt 12 p.

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 4/30/08
Initials Date

DB:
Initials Date

SCANNED:
Initials Date

Revised: 1/22/08

RBW-3

60000736

4010

6000 0736

Hecla
MINING COMPANY

ROSEBUD PROJECT
DIAMOND DRILL LOG

HOLE NUMBER RBW-3	LOCATION		REMARKS
PAGE 1 OF 6	NORTHING		
DATE 8/7/95	EASTING		
LOGGED BY RDA	ELEVATION		
SCALE	AZIMUTH		
TOTAL DEPTH	INCLINATION		

%REC	RQD	LITHOLOGY	FT	GRAPHIC LOG	STRUCTURE	ALTERATION AND MINERALIZATION	ANALYTICAL DATA FROM	TO	W	Au	Ag	Au2	Ag2
		Colluvium / Alluvium — Poor Recovery		Qc									
		Colluvium / Alluvium — Poor Recovery	10	Qc									
		Colluvium / Alluvium — Poor Recovery	20	Qc									
		Poor Recovery	30	Qc									
		Colluvium / Alluvium	40										
		Alluvium — Clasts up to 1" — Plugged up often & poor recovery	50	Qc									
		Alluvium — Clasts up to 1.5" — Better Recovery. Clasts of Rhyolites, volcanic bx, & Andesite (Andesite Sure for Cocoa Sulfic - Rhyolites)	60	Qc									
		Alluvium — Clasts up to 2.0" — Good Recovery. Some Bull Qtz clasts.	70	Qc									
		Alluvium — Clasts up to 1"	80	Qc									
		Alluvium - Hit H2O @ 85' — Clasts up to 1" — Clasts mostly Andesite (Andesite Sure Fm)	90	Qc	Little bit of water @ 85' not enough to measure.								
		Alluvium.	100	Qc									

HOLE NUMBER RBW-3 PAGE 2 OF 6

REC	RQD	LITHOLOGY	FT	GRAPHIC LOG	STRUCTURE	ALTERATION AND MINERALIZATION	ANALYTICAL DATA FROM	TO	W	Au	Ag	Au2	Ag2
		ALLUVIUM - ALMOST ALL ALLA LANG SYNR FM could be near bedrock. CLAY BALLS PRESENT		Qc									
		ALLUVIUM - CLASTS ALMOST ENTIRELY "ALS" CLAY BALLS PRESENT could be near bedrock	110	Qc									
		ALLUVIUM - CLASTS of "ALS" + Red & Brown Clay Balls.	120	Qc									
		ALLUVIUM - CLASTS of "ALS" Clayey matrix?	130	Qc									
		ALLUVIUM CLASTS of "ALS" LOTS of CLAY BALLS ≈ 30-50% of Sample	140	Qc									
		ALLUVIUM CLASTS of "ALS" w/ some Bull Qtz. 30-50% CLAY IN SAMPLE	150	Qc									
		ALLUVIUM CLASTS of "ALS" w/ minor Bull qtz 163-165 - 100% clay Interval 60-80% CLAY. BROWN	160	Qc									
		ALLUVIUM - 90% CLAY BROWN Volcanic & "ALS" CLASTS.	170	Qc									
		ALLUVIUM 50% CLAY BROWN "ALS" CLASTS	180	Qc									
		ALLUVIUM 30% CLAY BROWN "ALS" CLASTS	190	Qc									
		ALLUVIUM 60-80% CLAY BROWN "ALS" CLASTS	200	Qc									
		ALLUVIUM - 30% CLAY BROWN "ALS" CLASTS	210	Qc									
		ALLUVIUM 60-80% clay BROWN "ALS" CLASTS	220	Qc									
		CLAY 100% BROWN	230	Qc CLAY									
			240										

HOLE NUMBER RBW-3 PAGE 3 OF 6

REC	RQD	LITHOLOGY	FT	GRAPHIC LOG	STRUCTURE	ALTERATION AND MINERALIZATION	ANALYTICAL DATA FROM	TO	W	Au	Ag	Au2	Ag2
		ALLUVIUM 90% GRAY CLAY		Qc CLAY									
		ALLUVIUM 95% GRAY CLAY	250	Qc CLAY									
		100% GRAY CLAY	260	Qc CLAY									
		ALLUVIUM 80-70% GRAY CLAY CLASTS COMPOSED OF ALLS LANG SYNE FM W/ MINOR QTZ.	270	Qc CLAY									
		ALLUVIUM 80% GRAY CLAY CLASTS OF "ALS" + VOLCANICS.	280	Qc CLAY									
		90% CLAY, GRAY	290	Qc CLAY									
		100% CLAY GRAY COULD THIS BE THE ROSEBUD SHEAR ZONE? OR A MIOCENE CLAY BED?	300	CLAY									
		100% GRAY CLAY "	310	CLAY									
		60% CLAY REMAINING ⇒ CLAYEY SILTSTONES ARE THESE LAKE BED SEDS?	320	CLAYEY SILTSTONE									
		60% CLAY 40% CLAYEY SILTSTONES OXIDIZED FRAGMENTS DUE TO CONTAMINATION	330	CLAYEY SILTSTONE									
		50% CLAY, GRAY - REMAINING SILTSTONE	340	CLAYEY SILTSTONE									
		80-90% CLAY, GRAY REMAINING CLAYEY SILTSTONE	350	CLAYEY SILTSTONE									
		80-90% CLAY, GRAY REMAINING CLAYEY SILTSTONE	360	CLAYEY SILTSTONE									
		80-90% CLAY, GRAY REMAINING CLAYEY SILTSTONE	370	CLAYEY SILTSTONE									
			380										

HOLE NUMBER RBW-3 PAGE 4 OF 6

REC	RQD	LITHOLOGY	FT	GRAPHIC LOG	STRUCTURE	ALTERATION AND MINERALIZATION	ANALYTICAL DATA FROM	TO	W	Au	Ag	Au2	Ag2
		90% CLAY 10% CLAYEY SILTSTONE GREY		CLAYEY SILTSTONE									
		90% CLAY 10% CLAYEY SILTSTONE GREY	390	CLAYEY SILTSTONE									
		90% CLAY 10% CLAYEY SILTSTONE GREY	400	CLAYEY SILTSTONE									
		90% CLAY 10% CLAYEY SILTSTONE GREY	410	CLAYEY SILTSTONE									
		90% CLAY 10% CLAYEY SILTSTONE, GREY Contamination from up Hole ALLUVIAL GRAVELS.	420	CLAYEY SILTSTONE									
		90-95% CLAY 10-5% CLAYEY SILTSTONE, GRAY	430	CLAYEY SILTSTONE									
		80-90% CLAY 20-10% CLAYEY SILTSTONE, GRAY	440	CLAYEY SILTSTONE									
		50% CLAY 50% CLAYEY SILTSTONE, GRAY MATERIAL IS GETTING MORE COMPETENT	450	CLAYEY SILTSTONE									
		30% CLAY 40% CLAYEY SILTSTONE, 30% clasts of qtz, SILTSTONE & POSSIBLY ALZ"?	460	Clayey Siltstone		Chips of ? "ALZ" or SILTSTONE Contain 1-2% fine grained PYRITE							
		30% clay 70% Clayey SILTSTONE	470	Clayey Siltstone									
		90% Clay 10% Clayey Siltstone	480	CLAYEY SILTSTONE									
		100% GREY CLAY	490	CLAY									
		100% GREY CLAY	500	CLAY									
		40% GREY CLAY 60% CLAYEY SILTSTONE	510	CLAYEY SILTSTONE									
			520										

HOLE NUMBER RBW-3 PAGE 5 OF 6

REC	RQD	LITHOLOGY	FT	GRAPHIC LOG		STRUCTURE	ALTERATION AND MINERALIZATION	ANALYTICAL DATA FROM	TO	W	Au	Ag	Au2	Ag2
		70-80% CLAY 30-20% CLAYEY SILTSTON grey			CLAYEY SILTSTONE									
		100% gray CLAY	530		CLAY									
		50% CLAY, 40% CLAYEY SILTSTONE, 10% "ALS"?	540		CLAYEY SILTSTONE		"ALS" CHIPS CONTAIN 1-2% EXSTREAMLY FINE-GRAINED SULFIDES							
		60-70% grey CLAY - 40-30% "ALS" w/ MINOR WHITE "BULL" Qtz. BROWN CLAY FROM 559-560'	550		CLAY / CLAYEY SILTSTONE		ALS" ⇒ 1-2% FINE-GRAINED Py.							
		AULD LANG SYNE BEDROCK? MS-MA, BLACK-GRAY. 40% PHYLLITES 40% QUARTZITES	560		JTRa		FINE GRAINED - COARSE GRAINED PYRITE ≈5% Coarse grained 1-2% FINE-GRAINED							
		"ALS" 80% MINOR Qtz, WHITE 20% GRAY CLAY	570	GRAY CLAY	JTRa		FINE-GRAINED PYRITE							
		30% BROWN CLAY "ALS" FAULT ZONE	580 BROWN CLAY	DIKE? INTERBED?	JTRA	FAULT ZONE?	"							
		15% BROWN FINE-GRAINED DIKE? OR INTERBED? 5% WHITE BULL Qtz 80% "ALS"	590		JTRa		"							
		"ALS" STRONG SCISTOSITY QUARTZITES, PHYLITES.	600		JTRa		"							
		"ALS" PHYLLITE, QUARTZITES, w/ BROWN "DIRTY" SANDSTONE (METAMORPH) INTERBEDS.	610		JTRa		"							
		PHYLLITE, QUARTZITE, & "DIRTY SANDSTONE" ↖ 50% ↗ 50% ↑ Bull qtz	620		JTRa		"							
		50/50 PHYLITE & QUARTZITE TRACE AMOUNTS of "DIRTY SANDSTONE" Bull qtz	630		JTRa		CALCITE VEINING PARALLEL TO SCISTOSITY							
		≈ 50% PHYLITE 50% QUARTZITE TRACE "DIRTY SANDSTONE" Bull qtz	640		JTRa									
		50% PHYLITE 50% QUARTZITE	650		JTRa									
			660											

HOLE NUMBER RBW-3 PAGE 6 OF 6

REC	RQD	LITHOLOGY	FT	GRAPHIC LOG	STRUCTURE	ALTERATION AND MINERALIZATION	ANALYTICAL DATA FROM	TO	W	Au	Ag	Au2	Ag2
		50% PHYLLITE 50% QUARTZITE			JKa								
		45% PHYLLITE 45% QUARTZITE 10% "DIRTY SANDSTONE"	670		JKa								
		20% PHYLLITE & QUARTZITE 80% "DIRTY SANDSTONE"	680		JKa								
		50% PHYLLITE 50% QUARTZITE TRACE "DIRTY SANDSTONE"	690		JKa								
		50% PHYLLITE 50% QUARTZITE TRACE "DIRTY SANDSTONE"	700		JKa								
		50% PHYLLITE 50% QUARTZITE	710		JKa								
		50% PHYLLITE & QUARTZITE 50% "DIRTY SANDSTONE"	720		JKa								
		50% PHYLLITE & QUARTZITE 50% "DIRTY SANDSTONE"	730		JKa								
		50% PHYLLITE & QUARTZITE 50% "DIRTY SANDSTONE"	740		JKa	Calc	Calcite Veining						
		50% PHYLLITE & QUARTZITE 50% "DIRTY SANDSTONE"	750		JKa								
		50% PHYLLITE & QUARTZITE 50% "DIRTY SANDSTONE"	760		JKa	Calcite Veining.							
			770	EOH 770'	JKa								
			780										

SAMPLE SUBMITTAL FORM

American Assay Laboratories Inc.

Sparks Office
1500 Glendale Ave.
Nevada 89431
Box 71060
Reno, NV. 89570
Telephone
(702) 356-0606
Fax
(702) 356-1413

Elko Office
2320 Last Chance Rd.
Nevada 89801
Box 2908
Elko, NV. 89801
Telephone
(702) 738-9100
Fax
(702) 738-2594

Company: HECLA MINING COMPANY ROSEBUD PROJECT

Address:

Telephone Number: (702) 427-7751 Fax Number: (702) 427-7781

Project Name: ROSEBUD Purchase Order Number:

Transport Company: Waybill Number:

Date Shipped: 8/18/95 Number of Packages: 77 [ ] Prepaid [ ] Collect

ANALYSIS REQUIRED

SAMPLE	TYPE	ELEMENTS REQUIRED
RBW-3	RVC	Au-Ag GEOCHEM
0-10' THROUGH 760-770'		
77 SAMPLES		

COARSE REJECTS (Normally Discarded)

[ ] Return COD after analysis complete
[X] By prior arrangements

PULPS (Normally Stored Free For One Month)

[ ] Discard after one month
[ ] Return COD after one month
[X] By prior arrangements

RESULTS AND INVOICES TO BE SENT TO:

Please mark invoice person and address [I]

(1) CHARLIE MEURHOFF

(2)

(3)

Comments:

CLIENT FILE COPY

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT : SP035206

American Assay Laboratories

P.O. BOX 11530
RENO, NV,,USA
Ph.1-702-356-0606, Fax.1-702-356-1413
Telex:

Hydrology

HECLA MINING CO.

COPIES TO :

:

:

:

CLIENT REFERENCE No: RBW-3 RECEIVED : 21 AUG 1995

No. SAMPLES : 77 REPORTED : 31 AUG 1995

MAIN SAMPLE TYPE : DRILL CUTTINGS

ANALYSIS	ANALYTICAL METHOD	QUALITY PARAMETER	UNIT	DETECTION
Au(OZ)	FA60	15%	OPT	0.001
Au(RZ)	FA60	15%	OPT	0.001
Ag(OZ)	D210	10%	OPT	0.02

SIGNATORY : Sue King M.S.

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT : SP035206

American Assay Laboratories

CLIENT : HECLA MINING CO.
PROJECT : ROSEBUD
REFERENCE : RBW-3

REPORTED : 31 AUG 1995

SAMPLES	Au(OZ) FA60 OPT	Au(RZ) FA60 OPT	Ag(OZ) D210 OPT
RBW-3 000-010	<0.001		<0.02
RBW-3 010-020	<0.001		0.04
RBW-3 020-030	<0.001		<0.02
RBW-3 030-040	<0.001		<0.02
RBW-3 040-050	<0.001		<0.02
RBW-3 050-060	<0.001	<0.001	<0.02
RBW-3 060-070	<0.001		<0.02
RBW-3 070-080	<0.001		<0.02
RBW-3 080-090	<0.001		<0.02
RBW-3 090-100	<0.001		<0.02
RBW-3 100-110	<0.001		<0.02
RBW-3 110-120	<0.001		<0.02
RBW-3 120-130	<0.001		<0.02
RBW-3 130-140	<0.001		<0.02
RBW-3 140-150	<0.001		<0.02
RBW-3 150-160	<0.001	<0.001	<0.02
RBW-3 160-170	<0.001		<0.02
RBW-3 170-180	<0.001		<0.02
RBW-3 180-190	<0.001		<0.02
RBW-3 190-200	<0.001		<0.02
RBW-3 200-210	<0.001	<0.001	<0.02
RBW-3 210-220	<0.001		<0.02
RBW-3 220-230	<0.001		<0.02
RBW-3 230-240	<0.001		<0.02
RBW-3 240-250	<0.001		<0.02

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT : SP035206

American Assay Laboratories

CLIENT : HECLA MINING CO.
PROJECT : ROSEBUD
REFERENCE : RBW-3

REPORTED : 31 AUG 1995

SAMPLES	Au(OZ) FA60 OPT	Au(RZ) FA60 OPT	Ag(OZ) D210 OPT
RBW-3 250-260	<0.001		<0.02
RBW-3 260-270	<0.001		<0.02
RBW-3 270-280	<0.001		<0.02
RBW-3 280-290	<0.001		<0.02
RBW-3 290-300	<0.001		<0.02
RBW-3 300-310	<0.001		<0.02
RBW-3 310-320	<0.001	<0.001	<0.02
RBW-3 320-330	<0.001		<0.02
RBW-3 330-340	<0.001		<0.02
RBW-3 340-350	<0.001	<0.001	<0.02
RBW-3 350-360	<0.001		<0.02
RBW-3 360-370	<0.001		<0.02
RBW-3 370-380	<0.001		<0.02
RBW-3 380-390	<0.001		<0.02
RBW-3 390-400	<0.001		<0.02
RBW-3 400-410	<0.001		<0.02
RBW-3 410-420	<0.001		<0.02
RBW-3 420-430	<0.001		<0.02
RBW-3 430-440	<0.001		<0.02
RBW-3 440-450	<0.001		<0.02
RBW-3 450-460	<0.001		<0.02
RBW-3 460-470	<0.001	<0.001	<0.02
RBW-3 470-480	<0.001		<0.02
RBW-3 480-490	<0.001		<0.02
RBW-3 490-500	<0.001		<0.02

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT : SP035206

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REPORTED : 31 AUG 1995

SAMPLES	Au(OZ) FA60 OPT	Au(RZ) FA60 OPT	Ag(OZ) D210 OPT
RBW-3 500-510	<0.001		<0.02
RBW-3 510-520	<0.001		<0.02
RBW-3 520-530	<0.001	<0.001	<0.02
RBW-3 530-540	<0.001		<0.02
RBW-3 540-550	<0.001		<0.02
RBW-3 550-560	<0.001		<0.02
RBW-3 560-570	<0.001		<0.02
RBW-3 570-580	<0.001		<0.02
RBW-3 580-590	<0.001		<0.02
RBW-3 590-600	<0.001		<0.02
RBW-3 600-610	<0.001		<0.02
RBW-3 610-620	<0.001	<0.001	<0.02
RBW-3 620-630	<0.001		<0.02
RBW-3 630-640	<0.001		<0.02
RBW-3 640-650	<0.001		<0.02
RBW-3 650-660	<0.001		<0.02
RBW-3 660-670	<0.001	<0.001	<0.02
RBW-3 670-680	<0.001		<0.02
RBW-3 680-690	<0.001		<0.02
RBW-3 690-700	<0.001		<0.02
RBW-3 700-710	<0.001		<0.02
RBW-3 710-720	<0.001		<0.02
RBW-3 720-730	<0.001		<0.02
RBW-3 730-740	<0.001		<0.02
RBW-3 740-750	<0.001	<0.001	<0.02

AMERICAN ASSAY LABORATORIES

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REFERENCE : RBW-3

REPORTED : 31 AUG 1995

SAMPLES	Au(OZ) FA60 OPT	Au(RZ) FA60 OPT	Ag(OZ) D210 OPT
RBW-3 750-760	<0.001		<0.02
RBW-3 760-770	<0.001		<0.02