6000 0743

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-10
AUTHOR	C. Muerhoff; S. King
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 895' handwritten notes; receipt 13 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-10

60000743
4010

Hecla MINING COMPANY

ROSEBUD PROJECT DRILL LOG

HOLE NUMBER RBW-10
PAGE 1 OF 5
DATE 3/19/96
LOGGED BY KDA
TOTAL DEPTH 895'

LOCATION
NORTHING
EASTING
ELEVATION
AZIMUTH
INCLINATION

AREA WATER WELL EXPLORATION
DRILLING CO. PARSONS
RIG TYPE RVC
HOLE SIZE 5 1/2
DOWN HOLE SURVEY BY NONE

60000743

FEET	GRAPHIC	ROCK TYPE	LITHOLOGY	HARDNESS	TEXTURE	ALTERATION: SILICIFICATION 5%	SILICIFICATION 15%	SILICIFICATION +25%	SILICIFICATION MATRIX	SILICIFICATION QUARTZ	ARGILLIC 5%	ARGILLIC 15%	ARGILLIC +25%	ARGILLIC TYPE	PROPYLITIC % CHLORITE	PROPYLITIC % CALCITE	POTASSIC % K-SPAR	POTASSIC % ALUNITE	OXIDATION 5%	OXIDATION 15%	OXIDATION +25%	VIENING %	VIENING TYPE	MINERALIZATION: SULFIDES 5%	SULFIDES 15%	SULFIDES +25%	PY %	CPY %	MAR %	K-SUL %	SUBUNIT %	BARITE %	METALLURGY: OXIDE	SULF	CARBON	MOISURE	ANALYTICAL DATA: FROM	TO	W	Au	Ag
10		QAL	VOLCANIC / ALS ALLUVIUM																																						
20		QAL																																							
30		QAL																																							
40		QAL																																							
50		QAL																																							
60		QAL																																							
70		QAL																																							
80		QAL																																							
90		QAL																																							
100		QAL																																							
110		TR-JR ALS	BLACK, TRIASSIC/JURASSIC AULD LANG SYNE PHYLLITES GRAPHITIC	MS	F6																			X			100								X						
120				MS																				X											X						
130				MS																				X											X						
140				MS																				X											X						
150				MS																				X											X						
160				MS																				X											X						
170				MS																				X											X						
180				MS																				X											X						
190				MS																				X											X						
200				MS																				X		?									X						

Hecla MINING COMPANY

ROSEBUD PROJECT DRILL LOG

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AREA WATER EXPLORATION
DRILLING CO. PARSONS
RIG TYPE RVC
HOLE SIZE 5½
DOWN HOLE SURVEY BY NONE

FEET	GRAPHIC	ROCK TYPE	LITHOLOGY	HARDNESS	TEXTURE	ALTERATION: SILICIFICATION 5%	SILICIFICATION 15%	SILICIFICATION +25%	SILICIFICATION MATRIX	SILICIFICATION QUARTZ	ARGILLIC 5%	ARGILLIC 15%	ARGILLIC +25%	ARGILLIC TYPE	PROPYLITIC % CHLORITE	PROPYLITIC % CALCITE	POTASSIC % K-SPAR	POTASSIC % ALUNITE	OXIDATION 5%	OXIDATION 15%	OXIDATION +25%	VIENING %	VIENING TYPE	MINERALIZATION: SULFIDES 5%	SULFIDES 15%	SULFIDES +25%	PY %	CPY %	MAR %	K-SLU %	STIBNITE %	BARITE %	METALLURGY: OXIDE	SULF	CARBON	MOLYBDENITE	ANALYTICAL DATA: FROM	TO	W	Au	Ag
210		TR-JR ALS	BLACK, GRAPHITIC, TRIASSIC/JURASSIC AULD LANG SYNE PHYLLITES.	MS	FG																			X	X									X							
220				MS																					X									X							
230				MS																				X										X							
240				MS		X																5	Bull Qtz	X										X							
250				MS		X																3		X										X							
260				MS		X																TR		X										X							
270				MS																				X										X							
280				MS																				X										X							
290				MS																				X										X							
300				MS																				X										X							
310				MS																				X										X							
320				MS																					X									X							
330				MS			X															15%	Bull Qtz	X										X							
340				MS		X																TR		X										X							
350				MS			X															5%		X										X							
360				MS		X																TR		X										X							
370				MS		X																TR		X										X							
380				MS		X																TR		X										X							
390				MS		X																TR		X										X							
400				MS																				X										X							

Hecla MINING COMPANY

ROSEBUD PROJECT
DRILL LOG

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AREA WATER EXPLORATION
DRILLING CO. PARSONS
RIG TYPE RUC
HOLE SIZE 5 1/2
DOWN HOLE SURVEY BY NONE

FEET	GRAPHIC	ROCK TYPE	LITHOLOGY	HARDNESS	TEXTURE	ALTERATION: SILICIFICATION 5%	SILICIFICATION 15%	SILICIFICATION +25%	SILICIFICATION MICRO	SILICIFICATION QUARTS	ARGILLIC 5%	ARGILLIC 15%	ARGILLIC +25%	ARGILLIC TYPE	PROPYLITIC % CHLORITE	PROPYLITIC % CALCITE	POTASSIC % K-SPAR	POTASSIC % ALUNITE	OXIDATION 5%	OXIDATION 15%	OXIDATION +25%	VIENING %	VIENING TYPE	MINERALIZATION: SULFIDES 5%	SULFIDES 15%	SULFIDES +25%	PY %	CPY %	MAR %	K-SUL %	SULBNTE %	BARITE %	METALLURGY: OXIDE	SULF	CARBON	MOCURE	ANALYTICAL DATA: FROM	TO	W	Au	Ag
410		TR-JR ALS.	LT GREENISH BROWN TRIASSIC-JURASSIC AULD LANG SYNE "SANDY" PHYLLITES.	MS-MH	FG																			X			100							X	X	X					
420				MS-MH																														X	X	X					
430			BLACK TRIASSIC-JURASSIC AULD LANG SYNE GRAPHITIC PHYLLITES.	MS				X														30	Bull Qtz		X										X						
440				MS		X																TR		X											X						
450				MS		X																TR		X											X						
460				MS																				X											X						
470				MS																					X										X						
480				MS		X																1	Bull Qtz	X											X						
490				MS			X															5		X											X						
500				MS			X															5		X											X						
510				MS		X	X															1		X											X						
520				MS			X															5			X										X						
530				MS			X															5		X											X						
540				MS		X																TR			X										X						
550				MS																				X											X						
560				MS																				X											X						
570				MS			X															5	Bull Qtz	X											X						
580				MS		X																5		X											X						
590				MS																				X											X						
600				MS																				X											X						

Hecla MINING COMPANY

ROSEBUD PROJECT
DRILL LOG

HOLE NUMBER RBW-10
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AREA WATER EXPLORATION
DRILLING CO. PARSONS
RIG TYPE RVC
HOLE SIZE 5 1/2
DOWN HOLE SURVEY BY NONE

FEET	GRAPHIC	ROCK TYPE	LITHOLOGY	HARDNESS	TEXTURE	ALTERATION: SILICIFICATION 5%	SILICIFICATION 15%	SILICIFICATION +25%	SILICIFICATION MATRIX %	SILICIFICATION CLASTS %	ARGILLIC 5%	ARGILLIC 15%	ARGILLIC +25%	ARGILLIC TYPE	PROPYLITIC % CHLORITE	PROPYLITIC % CALCITE	POTASSIC % K-SPAR	POTASSIC % ALUNITE	OXIDATION 5%	OXIDATION 15%	OXIDATION +25%	VIENING %	VIENING TYPE	MINERALIZATION: SULFIDES 5%	SULFIDES 15%	SULFIDES +25%	PY %	CPY %	MAR %	AS-SUL %	STIBNITE %	BARITE %	METALLURGY: OXIDE	SULF	CARBON	MOISTURE	ANALYTICAL DATA: FROM	TO	W	Au	Ag
610		TR-J2 ALS	BLACK, TRIASSIC-JURASSIC MUD LANG SYNE GRAPHITIC PHYLLITES	MS	F6																			X			100								X							
620				MS																				X											X							
630				MS																				X											X							
640				MS																				X											X							
650				MS																				X											X							
660				MS																				X											X							
670				MS																				X											X							
680				MS																				X											X							
690				MS		X																3	Bull Qtz	X											X							
700				MS																				X											X							
710				MS																				X											X							
720				MS																				X											X							
730				MS																				X											X							
740				MS																				X											X							
750				MS																				X											X							
760				MS																				X											X							
770				MS																				X											X							
780				MS																				X											X							
790				MS			X															7	Bull Qtz	X											X							
800				MS		X																5		X											X							

Hecla MINING COMPANY

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AREA WATER EXPLORATION
DRILLING CO. PARSONS
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HOLE SIZE 5 1/2
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FEET	GRAPHIC	ROCK TYPE	LITHOLOGY	HARDNESS	TEXTURE	ALTERATION: SILICIFICATION 5%	SILICIFICATION 15%	SILICIFICATION +25%	SILICIFICATION MATRIX	SILICIFICATION CLASTS	ARGILLIC 5%	ARGILLIC 15%	ARGILLIC +25%	ARGILLIC TYPE	PROPYLITIC % CHLORITE	PROPYLITIC % CALCITE	POTASSIC % K-SPAR	POTASSIC % ALUNITE	OXIDATION 5%	OXIDATION 15%	OXIDATION +25%	VEINING %	VEINING TYPE	MINERALIZATION: SULFIDES 5%	SULFIDES 15%	SULFIDES +25%	PY %	CPY %	MAR %	K-SUL %	SULFATE %	BARITE %	METALLURGY: OXIDE	SULF	CARBON	MOISTURE	ANALYTICAL DATA: FROM	TO	W	Au	Ag
810		TR-JR ALS	BLACK GRAPHITIC TRIASSIC-JURASSIC AULD LANG SYNE PHYLLITES (MINOR CLAY)	MS	FG																			X			100								1						
820				MS		X																TR	Bull Qtz	X										X						
830				MS		X																TR		X										X						
840				MS																					X									X						
850				MS		X																				X								X						
860				MS		X																TR	Bull Qtz		X									X						
870				MS																		TR				X								X						
880				MS																				X										X						
890				MS		X																TR	Bull Qtz	X										X						
895				MS		X																4		X										X						
			TD=895																																					

Metallurgy: OXIDE, SULF, CARBON, MOISTURE. Analytical data: FROM, TO, W, Au, Ag.

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

~~PROVISIONAL REPORT - SP095781~~

NO

HECLA MINING CO.

COPIES TO : CHARLIE MUERHOFF

:

:

:

CLIENT REFERENCE No: RBW-10 RECEIVED : 3 OCT 1995

No. SAMPLES : 85 REPORTED : 18 OCT 1995

MAIN SAMPLE TYPE : DRILL CUTTINGS

ANALYSIS	ANALYTICAL METHOD	QUALITY PARAMETER	UNIT	DETECTION
Au	FA60	15%	ppb	5
~~Au(R)~~	~~FA60~~	~~15%~~	~~ppb~~	~~5~~
Ag	D210	10%	ppm	0.5

SIGNATORY : Sue King M.S.

AMERICAN ASSAY LABORATORIES

~~PROVISIONAL REPORT : SP035781~~

CLIENT : HECLA MINING CO.
PROJECT : ROSEBUD
REFERENCE : RBW-10

REPORTED : 18 OCT 1995

SAMPLES	Au	Au(R)	Ag
RBW-10 000-010	<5		<0.5
RBW-10 010-020	<5		<0.5
RBW-10 020 030	<5		<0.5
RBW-10 030-040	<5		<0.5
RBW-10 040-050	<5		<0.5
RBW-10 050-060	<5		<0.5
RBW-10 060-070	<5		<0.5
RBW-10 070-080	<5		<0.5
RBW-10 080-090	<5		<0.5
RBW-10 090-100	<5		<0.5
RBW-10 100-110	<5		0.6
RBW-10 110-120	<5		1.4
RBW-10 120-130	<5		1.5
RBW-10 130-140	<5		2.0
RBW-10 140-150	<5		1.7
RBW-10 150-160	<5		2.1
RBW-10 160-170	<5		1.5
RBW-10 170-180	<5		1.1
RBW-10 180-190	<5		0.9
RBW-10 190-200	<5		1.7
RBW-10 200-210	<5		1.4
RBW-10 210-220	<5		1.7
RBW-10 220-230	<5		1.1
RBW-10 230-240	<5		0.9
RBW-10 240-250	<5		0.9

AMERICAN ASSAY LABORATORIES

~~PROVISIONAL REPORT . SP095781~~

CLIENT : HECLA MINING CO.
PROJECT : ROSEBUD
REFERENCE : RBW-10

REPORTED : 18 OCT 1995

SAMPLES	Au	Au(R)	Ag
RBW-10 250-260	<5		0.6
RBW-10 260-270	<5		1.0
RBW-10 270-280	<5		1.2
RBW-10 280-290	<5		<0.5
RBW-10 290-300	<5		0.7
RBW-10 300-310	<5		0.5
RBW-10 310-320	<5		0.5
RBW-10 320-330	<5		<0.5
RBW-10 330-340	<5		<0.5
RBW-10 340-350	<5		0.6
RBW-10 350-360	<5		0.9
RBW-10 360-370	<5		1.2
RBW-10 370-380	<5		<0.5
RBW-10 380-390	<5		<0.5
RBW-10 390-400	<5		0.7
RBW-10 400-410	<5		0.6
RBW-10 410-420	<5		0.7
RBW-10 420-430	<5		<0.5
RBW-10 430-440	<5		0.7
RBW-10 440-450	<5		<0.5
RBW-10 450-460	<5		<0.5
RBW-10 460-470	<5		<0.5
RBW-10 470-480	<5		<0.5
RBW-10 480-490	<5		<0.5
RBW-10 490-500	<5		0.9

AMERICAN ASSAY LABORATORIES

PROVISIONAL REPORT : SP035781

CLIENT : HECLA MINING CO.
PROJECT : ROSEBUD
REFERENCE : RBW-10

REPORTED : 18 OCT 1995

SAMPLES	Au	Au(R)	Ag
RBW-10 500-510	<5		0.9
RBW-10 510-520	<5		1.1
RBW-10 520-530	<5		1.1
RBW-10 530-540	<5		1.0
RBW-10 540-550	<5		0.8
RBW-10 550-560	<5		<0.5
RBW-10 560-570	<5		<0.5
RBW-10 570-580	<5		<0.5
RBW-10 580-590	<5		<0.5
RBW-10 590-600	<5		0.5
RBW-10 600-610	<5		0.7
RBW-10 610-620	<5		0.8
RBW-10 620-630	<5		0.7
RBW-10 630-640	<5		1.2
RBW-10 640-650	<5		1.2
RBW-10 650-660	<5		1.3
RBW-10 660-670	<5		1.5
RBW-10 670-680	<5		1.6
RBW-10 680-690	<5		1.3
RBW-10 690-700	<5		1.0
RBW-10 700-710	<5		1.5
RBW-10 710-720	<5		1.6
RBW-10 720-730	<5		1.4
RBW-10 730-740	<5		1.7
RBW-10 740-750	<5		0.7

AMERICAN ASSAY LABORATORIES

PROVISIONAL REPORT : SP035781

CLIENT : HECLA MINING CO.
PROJECT : ROSEBUD
REFERENCE : RBW-10

REPORTED : 18 OCT 1995

SAMPLES	Au	Au(R)	Ag
RBW-10 750-760	<5		0.8
RBW-10 760-770	<5		0.9
RBW-10 770-780	<5		1.3
RBW-10 780-790	<5		1.1
RBW-10 790-800	<5		1.2
RBW-10 800-810	<5		1.1
RBW-10 810-820	<5		1.2
RBW-10 820-830	<5		1.5
RBW-10 830-840	<5		1.4
RBW-10 840-850	<5		1.2

PROVISIONAL REPORT : SP035892

P O BOX 11530
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Telex:

HECLA MINING CO.

COPIES TO : CHARLIE MUERHOFF
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:

CLIENT REFERENCE No: RBW-10 RECEIVED : 9 OCT 1995

No. SAMPLES : 5 REPORTED : 23 OCT 1995

MAIN SAMPLE TYPE : DRILL CUTTINGS

ANALYSIS	ANALYTICAL METHOD	QUALITY PARAMETER	UNIT	DETECTION
Au	FA30	15%	ppb	5
Au(R)	FA30	15%	ppb	5
Ag	OZ10	10%	ppm	0.5

SIGNATORY : Sue King M.S. Page: 1

PROVISIONAL REPORT : SP035892

CLIENT : HECLA MINING CO.
PROJECT : ROSEBUD
REFERENCE : RBW-10

REPORTED : 23 OCT 1995

SAMPLES	Au	AU(R)	Ag
RBW-10 850-860	<5		1.4
RBW-10 860-870	<5		1.0
RBW-10 870-880	<5		1.1
RBW-10 880-890	<5		1.2
RBW-10 890-900	<5		1.0