6000 0690

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 D-204-98
AUTHOR	K. Allen; B Morris; S King
DATE OF DOC(S)	1998
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 Rosebud Mining Co., LLC
COMMODITY If not obvious	gold; silver
NOTES	drill logs; assay; geology; photographs; receipts; total depth 130' hand written notes down hole camera images 27p. 3 down hole camera images

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: DTS 9/28/08
Initials Date

DB: Initials Date

SCANNED: Initials Date

Revised: 1/22/08

D-204-98

6000 0690
4010

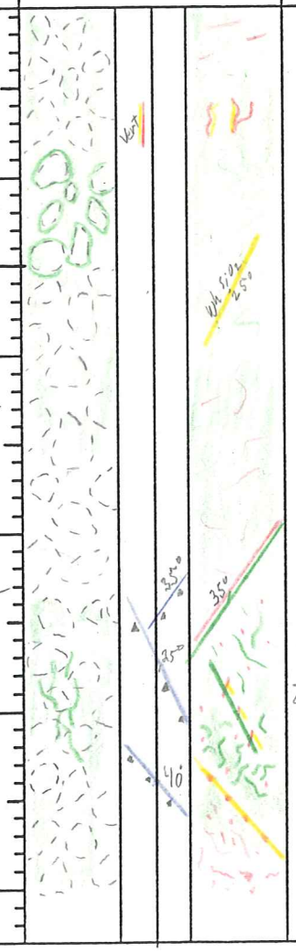
6000 0690

- quartz, chalcedony, silicification
- faults, fractures
- FeOx
- sulfide
- calcite, carbonate
- argillization, white clays
- propylitization
- Barite
- potassic alteration
- chlorite, chloritic clays

Hecla MINING COMPANY

ROSEBUD PROJECT
DIAMOND DRILL LOG

HOLE NUMBER	D-204-98	LOCATION	East Zone Stope 42 Sec. 1550	REMARKS	
PAGE 1 OF		NORTHING			
DATE	4/5/98	EASTING			
LOGGED BY	Brian W. Morris	ELEVATION			
SCALE	1" = 10'	AZIMUTH	N54W		
TOTAL DEPTH	130'	INCLINATION	+84		

LITH.	OX/RED.	LITHOLOGY	FT	GRAPHIC LOG	STRUCTURE	ALTERATION AND MINERALIZATION
	Reduced	0-50' Dozer Autobreccia Monolithic Lt gray V.fg subangular-Subrounded Clast ghosts supported by Lt gray Vfg equigranular Mtx. Pima	5, 10, 15, 20, 25, 30, 35, 40, 45, 50		34' 1cm wide gr clay Vn+Sulf, ≈ 3cm wide rubble bxa on either side of vn w/ ass br-reddish brn alt color 37.0-44.0' Bxa Vns have avg high & to core axis (0-25°) 42.5-44.0 str gr clay healed Fine fx & micro shear & mod gray SiO_2 Vns, wk diss sulf	0-5.8' Wk Low & to Core axis sulf Valets, wk gr clay alt 5.8-7.8' Mod. .5mm Wide Vlent Vuggie SiO_2 + Marc Vn. 7.8-10.0' wk-Mod SiO_2 + Sulf Vnlets + stk wk, Minor Vert. Vnlets, minor dk gr clay blebs 10.0-20.0' Wk SiO_2 + Sulf Valets & hairline Stk wk, 10.0'-15.0' stronger gr clay alt rim around Autobreccia ghosts. 20.0-32.4' Wk SiO_2 + Sulf Vns, hairline Vnlets, & stk wk. 34.0-37.0' Mod-Str Gr Clay ± SiO_2 & ± Sulf Vn, Valets & hairline Stkwk, & wh clay ± barite 37.0'-44.0 str gr clay or Semi-Translucent SiO_2 healed crackle BXA Vns, Vns + stkwk. Sulf appear to be more str ass ociated w/ SiO_2. Sulf are rare in gr clay only Vns. 45-50 wk sulf ± SiO_2 Vnlets + stkwk, locally mod diss bright brassy sulf, 48-48.5' sulf healed micro bxa

FROM	TO	W	Au	Ag	Au2	Ag
0	3.5					
3.5	5.8					
5.8	7.8					
7.8	10.0					
10.0	15.0					
15.0	20.0					
20.0	25.0					
25.0	30.0					
30.0	34.0					
34.0	37.0					
37.0	42.0					
42.0	45.0					
45.0	50.0					

HOLE NUMBER D-204-98 PAGE 2 OF 3

LITH.	OX/RED.	LITHOLOGY	FT	GRAPHIC LOG	STRUCTURE	ALTERATION AND MINERALIZATION	ANALYTICAL DATA FROM	TO	W	Au	Ag	Au2
	Reduced	50 - 59.5' Autobrecciated Dozer Monolithic gry vFg Clast ghosts supported by Ltgry vfg Mtx.	55				50.0	55.0				
		59.5 - Laminated Dozer Contact is Faulted. BXA Clasts are Ltgry bleched w/ v. faint - prominant wavey - lamina grading to straight lamina @ 80°. Maybe primary text? Maybe more pronounced due to alt. Mtx is v.fg & reddish br in color.	60 65	25° 25°		59.5-64.2 WK - Mod SiO_2 + sulf Vuggie. 1 - .5cm wide Vns & Vnlets, Wk gr Clay Vns & Vnlets, reddish br alt color in Autobxa Mtx.	55.0 59.5	59.5 64.2				
			70	30°		64.2-72.3' Mod SiO_2 + sulf ± gr clay, wk diss diss sulf, str silic, Str silic, wk sulf patches	64.2	69.0				
		74.7-82.0' Monolithic Autobrecciated Dozer Subangular - angular .5 - 6cm diam v.fg laminated Clasts supported by gry aphan Mtx. Breccia appears to be primary?	75	40°	72.3-74.7 Rubble Bxa! Mostly Mtx supported, Subangular Dozer Clasts, 1-3cm dia moulded by gry - gry gr silica Mtx. 75.1-76.1 Crackle Bxa healed by gr gry SiO_2, wk sulf blebs, 2cm wide wh SiO_2 + barite Vn.	72.3-74.7' V. Str Silicified Mod diss sulf, mod vuggie Mtx w/ druzy, & lining ± barite xls. 74.7' bright brassy. euhedral pyCubes.	69.0 72.3 74.7 75.1	72.3 74.7 75.1 76.1				
		82-98.0' Autobrecciated Dozer V.fg Ltgray w/wk pinkish shade subrounded v. faint clast ghosts supported by v.fine equigranular Ltgray Mtx,	80 85 90			74.7-82.0 Mod argil Clasts, wk gr clay hairline Vnlets, wk sulf Vnlets. 82.0-88.4 wk diss gry sulf spots, wk sulf vnlets, wk silic 88.4-91.0 Locally Str gry sulf soaked patches, wk silic	76.1 80.0 82.0 87.0	80.0 82.0 87.0 88.4				
			95	70° 35		92.8-93.8 strong wh & gry + Bleached Marc Vn ± wh clay. 93.8-97.8 Str SiO_2 + Bleached Marc + gr clay ± wh clay replacement of SiO_2, Mod Silic, Wk diss sulf, wk sulf soaked patches	88.4 91.0 91.0 92.8 92.8 93.8 93.8	91.0 92.8 93.8 96.0				
		98-110' Autobrecciate Dozer Same as 82.0-98.0 but Clasts are obvious w/ distinctive whispy lamina w/ mostly Clast supported Monolithic Autobreccia.	100 105	10°	111.1-130' wk $CaCO_3$.	96' Euhedral & Striated silver metalic xl w/ No ruby red color - pyrargyrite?, + stibnite & wh clay. 97.8-102.0 wk-Mod fine sulf Vnlets, wk-Mod diss sulf wk sulf patches.	96.0 97.8 97.8 102.0 102.0 104.0	97.8 102.0 104.0 108.5				
		110-111.1' South Ridge Fault! Milled Mtx supported Bxa; <20% Clasts br rounded silicified dozer? clasts supported by gr SiO_2 flooded Mtx.	110	40°	110'-111' SRFZ Milled Mtx supported <20% Clast; Mtx is gry gr SiO_2 Flooded wk Vugs wk diss Bleached Marc, Clasts are composed of br vfg round Dozer. 111.1-120' wk sulf Vnlets + str wk, wk gr clay Vnlets	102-104 Mod argil & gr clay replacement of clast supported Autobxa, 1sl Mod diss py, wk sulf vnlets 104-108.5 wk-Mod silic, v. wk gr clay alt lining around clasts, wk sulf vns diss sulf 108.5-110 Mod-str silic, locally SiO_2 flooded patches, Mod-str SiO_2 + Bleached marc Vn, wk-Tr gr clay.	104 108.5 108.5 110 110 111.1	108.5 110 111.1 115				
		111.1' LBT Planner Laminated Contact Autobrecciated Planner Laminated: Ltgr - dk gr vfg w/ straight & parallel - whispy Lamina. Clasts supported by gr - br gr - br vfg - cg Volcaniclastic Mtx. 114-115' Heterolith Autobxa grading back to Monolith planner Autobxa @ 115'	115 120				111.1 115 115	115 120				

HOLE NUMBER D-204-98 PAGE 3 OF 3

LITH.	OX/RED.	LITHOLOGY	FT	GRAPHIC LOG	STRUCTURE	ALTERATION AND MINERALIZATION	ANALYTICAL DATA FROM	TO	W	Au	Ag	Au2
	Reduced	Autobrecciated Planner Laminated grading to massive uniform Planner laminated @ 128'. T.D. 130'	125 130			120.0-125 Mod wk Qt + $CaCO_3$ + Bladed Marc Vns. 125-130' wk $CaCO_3$ + Marc vn, wk sulf patches ± $CaCO_3$.	120.0 125.0	125.0 130				

HECLA MINING COMPANY – ROSEBUD PROJECT
GEOTECHNICAL DRILL LOG

HOLE # D-204-98 DATE 4/5/98 LOGGED BY: Brian W. Morris PAGE 1 OF 3

DRILL RUN		SOLID CORE RECOVERY (%)	TOTAL CORE RECOVERY (%)	RQD	ROCK STRENGTH		FRACTURE DATA				DENSITY DATA			
FROM	TO				DOWNHOLE DEPTH	POINT LOAD INDEX (psi)	FRACTURE DENSITY/FT.	AVG. ANGLE TO C.A.	ROUGHNESS	INFILL	DOWNHOLE DEPTH	SAMPLE WEIGHT (g)	DISPLACEMENT (cc)	DENSITY (g/cc)
0	3.5	97	97	71										
3.5	8.5	96	96	69										
8.5	10.0	100	100	100										
10.0	15.0	96	96	100										
20.0	25.0	100	100	100										
25.0	30.0	96	96	100										
30.0	35.0	94	94	100										
35.0	40.0	94	94	100										
40.0	45.0	96	96	100										
45.0	50.0	100	100	100										
50.0	55.0	100	100	100										

HECLA MINING COMPANY – ROSEBUD PROJECT
GEOTECHNICAL DRILL LOG

HOLE # D-204-98 DATE 4/5/98 LOGGED BY: BWM PAGE 2 OF 3

DRILL RUN		SOLID CORE RECOVERY (%)	TOTAL CORE RECOVERY (%)	RQD	ROCK STRENGTH		FRACTURE DATA				DENSITY DATA			
FROM	TO				DOWNHOLE DEPTH	POINT LOAD INDEX (psi)	FRACTURE DENSITY /FT.	AVG. ANGLE TO C.A.	ROUGHNESS	INFILL	DOWNHOLE DEPTH	SAMPLE WEIGHT (g)	DISPLACEMENT (cc)	DENSITY (g/cc)
55.0	60.0	96	96	100										
60.0	65.0	92	92	100										
65.0	70.0	96	96	75										
70.0	75.0	100	100	82										
75.0	80.0	96	96	94										
85.0	90.0	98	98	100										
90.0	95.0	92	92	85										
95.0	100.0	96	96	93										
105.0	110.0	88	88	80										
110.0	115.0	100	100	92										
115.0	120.0	98	98	96										

HECLA MINING COMPANY – ROSEBUD PROJECT
GEOTECHNICAL DRILL LOG

HOLE # D-204-98 DATE: 4/5/98 LOGGED BY: BWM PAGE 3 OF 3

DRILL RUN		SOLID CORE RECOVERY (%)	TOTAL CORE RECOVERY (%)	RQD	ROCK STRENGTH		FRACTURE DATA				DENSITY DATA			
FROM	TO				DOWNHOLE DEPTH	POINT LOAD INDEX (psi)	FRACTURE DENSITY/FT.	AVG. ANGLE TO C.A.	ROUGHNESS	INFILL	DOWNHOLE DEPTH	SAMPLE WEIGHT (g)	DISPLACEMENT (cc)	DENSITY (g/cc)
120.0	125.0	100	100	96										
125.0	130.0	100	100	100										

American Assay Laboratories

INVOICE

Remit To: P.O. Box11530
Reno, Nevada 89510
Phone NO.: 702-356-0606
Fax No.: 702-356-1413

AMERICAN ASSAY LABORATORIES
1500 GLENDALE AVE.
SPARKS, NV 89431

(702) 356-0606

INVOICE NO: SP 0048469-IN
INVOICE DATE: 04/16/98

INVOICE TO:
THE ROSEBUD MINING CO., LLC
HECLA MINING COMPANY, OPERATOR
P.O. BOX 2610
WINNEMUCCA NV 89446

THE ROSEBUD MINING CO., LLC
HECLA MINING COMPANY, OPERATOR
P.O. BOX 2610
WINNEMUCCA NV 89446

CUSTOMER P.O.	PROJECT	TERMS
D-204-98	DEVELOPMENT	NET 30 - DUE IN U.S. DOLLARS

QUANTITY	DESCRIPTION	PRICE	AMOUNT
40	SAMPLES RECEIVED	.00	.00
39	JAW CRUSHING CHARGE	1.30	50.70
39	COARSE MILLING CHARGE	4.50	175.50
39	SPLITTING CHARGE	2.40	93.60
39	RING MILLING CHARGE	2.00	78.00
40	Au (1 A.T. FIRE ASSAY)	8.00	320.00
5	Au ANALYSES/GRAVIMETRIC	8.75	43.75
40	HYDROCHLORIC/NITRIC DIGESTION	2.00	80.00
40	Ag ANALYSES	1.00	40.00
2	Ag (ore grade) ANALYSES	5.00	10.00

86-5110-477
DB

NET INVOICE:	891.55
LESS DISCOUNT:	178.31
FREIGHT:	.00
INVOICE TOTAL:	713.24

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ANALYSIS REPORT SP048469

American Assay Laboratories

PO BOX 11530
RENO NV,USA
Ph.(702) 356-0606, Fax.(702) 356-1413

HECLA MINING COMPANY

COPIES TO : KURT ALLEN
:
:
:

CLIENT REFERENCE No: D-204-98 RECEIVED : 8 APR 1998

No. SAMPLES : 40 REPORTED : 15 APR 1998

MAIN SAMPLE TYPE : DRILL CORE

NEVADA LEGISLATIVE DISCLAIMER :-
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ANALYSIS	ANALYTICAL METHOD	QUALITY PARAMETER	UNIT	DETECTION
Au(OZ)	FA30	15%	OPT	0.001
Au(RZ)	FA30	15%	OPT	0.001
AuGRAV	GRAV	15%	OPT	0.001
Ag(OZ)	D210	10%	OPT	0.02

SIGNATORY : Susan King M.S.

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP048469

American Assay Laboratories

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-204-98

REPORTED : 15 APR 1998

SAMPLES	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	AuGRAV GRAV OPT	Ag(OZ) D210 OPT
D-204-98 0.0-3.5	0.017			0.05
D-204-98 3.5-5.8	0.014			0.05
D-204-98 5.8-7.8	0.035			0.06
D-204-98 7.8-10.0	0.049			0.07
D-204-98 10-15	0.051		0.047	0.06
D-204-98 15-20	0.007			0.03
D-204-98 20-25	0.004			0.04
D-204-98 25-30	0.007			0.05
D-204-98 30-34	0.006			0.07
D-204-98 34-37	0.007			0.03
D-204-98 37-42	0.004			0.03
D-204-98 42-45	0.008			0.05
D-204-98 45-50	0.003			0.04
D-204-98 50-55	0.003			0.04
D-204-98 55.0-59.5	0.002			0.04
D-204-98 59.5-64.2	0.005			0.03
D-204-98 64.2-69.0	0.008			0.07
D-204-98 69.0-72.3	0.010			0.07
D-204-98 72.3-74.7	0.013			0.04
D-204-98 74.7-75.1	0.007			0.04
D-204-98 75.1-76.1	0.025			0.05
D-204-98 76.1-80.0	0.004			0.08
D-204-98 80-82	0.013			0.08
D-204-98 82-87	0.006			0.04
D-204-98 87.0-88.4	0.002			0.02

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ANALYSIS REPORT SP048469

American Assay Laboratories

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-204-98

REPORTED : 15 APR 1998

SAMPLES	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	AuGRAV GRAV OPT	Ag(OZ) D210 OPT
D-204-98 88.4-91.0	0.010			0.38
D-204-98 91.0-92.8	0.008	0.008		0.05
D-204-98 92.8-93.8	0.055		0.055	2.11
D-204-98 93.8-96.0	0.013			1.10
D-204-98 96.0-97.8	0.244		0.270	3.06
D-204-98 97.8-102.0	0.039			0.42
D-204-98 102-104	0.007			0.04
D-204-98 104.0-108.5	0.007			0.03
D-204-98 108.5-110.0	0.013			0.05
D-204-98 110.0-111.1	0.002			<0.02
D-204-98 111.1-115.0	0.046			0.06
D-204-98 115-120	0.012			0.05
D-204-98 120-125	0.097		0.095	0.11
D-204-98 125-130	0.178		0.159	0.09
27840	0.535			2.80

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ANALYSIS REPORT SP048469

American Assay Laboratories

PO BOX 11530
RENO NV,USA
Ph.(702) 356-0606, Fax.(702) 356-1413

HECLA MINING COMPANY

COPIES TO : KURT ALLEN

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:

:

CLIENT REFERENCE No: D-204-98 RECEIVED : 8 APR 1998

No. SAMPLES : 40 REPORTED : 15 APR 1998

MAIN SAMPLE TYPE : DRILL CORE

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Au(OZ)	FA30	15%	OPT	0.001
Au(RZ)	FA30	15%	OPT	0.001
AuGRAV	GRAV	15%	OPT	0.001
Ag(OZ)	D210	10%	OPT	0.02

SIGNATORY : Susan King M.S.

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D-204-98 5.8-7.8	0.035			0.06
D-204-98 7.8-10.0	0.049			0.07
D-204-98 10-15	0.051		0.047	0.06
D-204-98 15-20	0.007			0.03
D-204-98 20-25	0.004			0.04
D-204-98 25-30	0.007			0.05
D-204-98 30-34	0.006			0.07
D-204-98 34-37	0.007			0:03
D-204-98 37-42	0.004			0.03
D-204-98 42-45	0.008			0.05
D-204-98 45-50	0.003			0.04
D-204-98 50-55	0.003			0.04
D-204-98 55.0-59.5	0.002			0.04
D-204-98 59.5-64.2	0.005			0.03
D-204-98 64.2-69.0	0.008			0.07
D-204-98 69.0-72.3	0.010			0.07
D-204-98 72.3-74.7	0.013			0.04
D-204-98 74.7-75.1	0.007			0.04
D-204-98 75.1-76.1	0.025			0.05
D-204-98 76.1-80.0	0.004			0.08
D-204-98 80-82	0.013			0.08
D-204-98 82-87	0.006			0.04
D-204-98 87.0-88.4	0.002			0.02

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D-204-98 96.0-97.8	0.244		0.270	3.06
D-204-98 97.8-102.0	0.039			0.42
D-204-98 102-104	0.007			0.04
D-204-98 104.0-108.5	0.007			0.03
D-204-98 108.5-110.0	0.013			0.05
D-204-98 110.0-111.1	0.002			<0.02
D-204-98 111.1-115.0	0.046			0.06
D-204-98 115-120	0.012			0.05
D-204-98 120-125	0.097		0.095	0.11
D-204-98 125-130	0.178		0.159	0.09
27840	0.535			2.80

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PROVISIONAL REPORT SP048469

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Au(RZ)	FA30	15%	OPT	0.001
AuGRAV	GRAV	15%	OPT	0.001
Ag(OZ)	D210	10%	OPT	0.02

SIGNATORY : Susan King M.S.

04/15/1998 13:05 7023561413 AMERICAN ASSAY LABS PAGE 01
7023561413

AMERICAN ASSAY LABORATORIES

PROVISIONAL REPORT SP048469

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-204-98

REPORTED : 15 APR 1998

SAMPLES	Au(OZ)	Au(RZ)	AuGRAV	Ag(OZ)
D-204-98 0.0-3.5	0.017			0.05
D-204-98 3.5-5.8	0.014			0.05
D-204-98 5.8-7.8	0.035			0.06
D-204-98 7.8-10.0	0.049			0.07
D-204-98 10-15	0.051		0.047	0.06
D-204-98 15-20	0.007			0.03
D-204-98 20-25	0.004			0.04
D-204-98 25-30	0.007			0.05
D-204-98 30-34	0.006			0.07
D-204-98 34-37	0.007			0.03
D-204-98 37-42	0.004			0.03
D-204-98 42-45	0.008			0.05
D-204-98 45-50	0.003			0.04
D-204-98 50-55	0.003			0.04
D-204-98 55.0-59.5	0.002			0.04
D-204-98 59.5-64.2	0.005			0.03
D-204-98 64.2-69.0	0.008			0.07
D-204-98 69.0-72.3	0.010			0.07
D-204-98 72.3-74.7	0.013			0.04
D-204-98 74.7-75.1	0.007			0.04
D-204-98 75.1-76.1	0.025			0.05
D-204-98 76.1-80.0	0.004			0.08
D-204-98 80-82	0.013			0.08
D-204-98 82-87	0.006			0.04
D-204-98 87.0-88.4	0.002			0.02

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PROVISIONAL REPORT SP048469

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-204-98

REPORTED : 15 APR 1998

SAMPLES	Au(OZ)	Au(RZ)	AuGRAV	Ag(OZ)
D-204-98 88.4-91.0	0.010			0.38
D-204-98 91.0-92.8	0.008	0.008		0.05
D-204-98 92.8-93.8	0.055		0.055	2.11
D-204-98 93.8-96.0	0.013			1.10
D-204-98 96.0-97.8	0.244		0.270	3.06
D-204-98 97.8-102.0	0.039			0.42
D-204-98 102-104	0.007			0.04
D-204-98 104.0-108.5	0.007			0.03
D-204-98 108.5-110.0	0.013			0.05
D-204-98 110.0-111.1	0.002			<0.02
D-204-98 111.1-115.0	0.046			0.06
D-204-98 115-120	0.012			0.05
D-204-98 120-125	0.097		0.095	0.11
D-204-98 125-130	0.178		0.159	0.09
27840	0.535			2.80

AMERICAN ASSAY LABORATORIES

PROVISIONAL REPORT SP048469

PO BOX 11530
RENO NV,USA
Ph.(702) 356-0606, Fax.(702) 356-1413

HECLA MINING COMPANY

COPIES TO : KURT ALLEN
:
:
:

CLIENT REFERENCE No: D-204-98 RECEIVED : 8 APR 1998

No. SAMPLES : 40 REPORTED : 14 APR 1998

MAIN SAMPLE TYPE : DRILL CORE

NEVADA LEGISLATIVE DISCLAIMER :-
The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geological materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project.

ANALYSIS	ANALYTICAL METHOD	QUALITY PARAMETER	UNIT	DETECTION
Au(OZ)	FA30	15%	OPT	0.001
Au(RZ)	FA30	15%	OPT	0.001
AuGRAV	GRAV	15%	OPT	0.001
Ag(OZ)	D210	10%	OPT	0.02

SIGNATORY : Susan King M.S.

04/14/1998 13:50 7023561413 AMERICAN ASSAY LABS PAGE 01
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AMERICAN ASSAY LABORATORIES

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CLIENT : HECLA MINING COMPANY
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REPORTED : 14 APR 1998

SAMPLES	Au(OZ)	Au(RZ)	AuGRAV	Ag(OZ)
D-204-98 0.0-3.5	0.017			
D-204-98 3.5-5.8	0.014			
D-204-98 5.8-7.8	0.035			
D-204-98 7.8-10.0	0.049			
D-204-98 10-15	0.051		0.047	
D-204-98 15-20	0.007			
D-204-98 20-25	0.004			
D-204-98 25-30	0.007			
D-204-98 30-34	0.006			
D-204-98 34-37	0.007			
D-204-98 37-42	0.004			
D-204-98 42-45	0.008			
D-204-98 45-50	0.003			
D-204-98 50-55	0.003			
D-204-98 55.0-59.5	0.002			
D-204-98 59.5-64.2	0.005			
D-204-98 64.2-69.0	0.008			
D-204-98 69.0-72.3	0.010			
D-204-98 72.3-74.7	0.013			
D-204-98 74.7-75.1	0.007			
D-204-98 75.1-76.1	0.025			
D-204-98 76.1-80.0	0.004			
D-204-98 80-82	0.013			
D-204-98 82-87	0.006			
D-204-98 87.0-88.4	0.002			

AMERICAN ASSAY LABORATORIES

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REPORTED : 14 APR 1998

SAMPLES	Au(OZ)	Au(RZ)	AuGRAV	Ag(OZ)
D-204-98 88.4-91.0	0.010			
D-204-98 91.0-92.8	0.008	0.008		
D-204-98 92.8-93.8	0.055		0.055	
D-204-98 93.8-96.0	0.013			
D-204-98 96.0-97.8	0.244		0.270	
D-204-98 97.8-102.0	0.039			
D-204-98 102-104	0.007			
D-204-98 104.0-108.5	0.007			
D-204-98 108.5-110.0	0.013			
D-204-98 110.0-111.1	0.002			
D-204-98 111.1-115.0	0.046			
D-204-98 115-120	0.012			
D-204-98 120-125	0.097		0.095	
D-204-98 125-130	0.178		0.159	
27840	0.535			

96-97.8 = 1.8' @

125-130 = 5' @

D-204-98	0	84	298.7
	65	84	298.7
	130	84	295.7

SP

SUBMITTAL FORM

American Assay Laboratories

Geochemical • Environmental • Metallurgical

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Mendoza, Argentina

Company: Rosebud Mine

Address: P.O. BOX 2610

City Winnemucca State NV Zip 89446

Telephone Number: (702) 623-6912 Fax Number: (702) 623-6967

Project Name: Development Purchase Order Number:

Date Submitted: 4/7/98 Number of Samples: 39

RESULTS REPORTED IN: ppm [ ] ppb [ ] opt [ ]

D-204-98 SAMPLE IDENTIFICATION		TYPE	ELEMENTS REQUIRED
0-3.5	59.5-64.2	core	97.8-102.0
3.5-5.8	64.2-69.0		102.0-104.0
5.8-7.8	69.0-72.3		104.0-108.5
7.8-10.0	72.3-74.7		108.5-110.0
10.0-15.0	74.7-75.1		110.0-111.1
15.0-20.0	75.1-76.1		111.1-115.0
20.0-25.0	76.1-80.0		115.0-120.0
25.0-30.0	80.0-82.0		120.0-125.0
30.0-34.0	82.0-87.0		125.0-130.0
34.0-37.0	87.0-88.4		
37.0-42.0	88.4-91.0		
42.0-45.0	91.0-92.8		
45.0-50.0	92.8-93.8		
50.0-55.0	93.8-96.0		
55.0-59.5	96.0-97.8		

COARSE REJECTS (Normally Discarded After 60 Days)

[ ] Return COD after analysis complete

PULPS (Normally Stored Free For One Month)

[ ] Discard after one month
[ ] Return COD after one month

RESULTS AND INVOICES TO BE SENT TO:

Invoice to: Kurt Allen

Results to: Kurt Allen

Comments: Au-Ag According to Rosebud protocols

CLIENT FILE COPY

D - 204-98 BOX 2
DEPTH 9.2 - 18.5
15

D - 204-98 BOX 1
DEPTH 0.0 - 9.2
3.5
8.5

D - 204-98 BOX 3
DEPTH 18.5 - 27.5
25

40
45
D - 204-98 BOX 5
DEPTH 37. - 46.5

30
D - 204-98 BOX 4
DEPTH 27.5 - 37.

D - 204-98 BOX 6
DEPTH 46.5 - 55.

D - 204-98 BOX 8
DEPTH 64.5 - 73.
70

D - 204-98 BOX 7
DEPTH 55. - 64.5

D - 204-98 BOX 9
DEPTH 73. - 83.
75
80

95'
100'
D - 204-98 BOX 11
DEPTH 92. - 102.

90'
85
D - 204-98 BOX 10
DEPTH 83. - 92.

105'
D - 204-98 BOX 12
DEPTH 102. - 111.5

130' TD
125
D - 204-98 BOX 14
DEPTH 120.5 - 130. TD

115'
120
D - 204-98 BOX 13
DEPTH 111.5 - 120.5