60001089

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-208-98
AUTHOR	B. Morris; K Allen; 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; Rosebud Project; Rosebud Mining Co., LLC Hecla Mining Co.; East Zone
COMMODITY If not obvious	gold; silver
NOTES	Drill log; geology; assay; [redacted]; total depth 185'; receipt; handwritten notes; downhole camera images photographs 35 p 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)

Revised: 1/22/08

SS:	DD	5/12/08
	Initials	Date
DB:	mah	
	Initials	Date
SCANNED:		
	Initials	Date

D-208-98

60001089 4010

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

Hecla MINING COMPANY

ROSEBUD PROJECT
DIAMOND DRILL LOG

HOLE NUMBER D-208-98 | LOCATION East Zone Stope 42 Sec 15 | REMARKS
PAGE 1 OF 3 | NORTHING
DATE 5/4/98 | EASTING
LOGGED BY Brian W. Morris | ELEVATION
SCALE 1" = 10' | AZIMUTH N54W
TOTAL DEPTH 185' | INCLINATION +28°

LITH.	OX/RED.	LITHOLOGY	FT	GRAPHIC LOG	STRUCTURE	ALTERATION AND MINERALIZATION
	Reduced	0 - 50 Autobrecciated Dozer Lt gry fg equigranular monolith subangular - Subrounded clast ghosts supported by Lt gry fg equigranular Mtx	5, 10, 15, 20, 25, 30, 35, 40, 45, 50	Flt 60°; Flt 35°; 25°	17.5 - 19.5' Fault Mostly Mtx supported Rubble BXA; Lt gry subrounded Dozer clast .1-1cm clasts healed by gry SiO_2 Mtx 36.5 - 39.5' Rubble BXA; Clast supported, clasts are .5-3cm dia Lt gry subangular - subrounded Dozer healed by gry SiO_2.	0 - 17.5' Mtx is wk to mod st reddish br, wk sulf Vn + Vnlets ± wh clay, Minor str diss py/marc patches 17.5-19.5 wk diss sulf blebs. 19.5 - 36.0 Wk - locally Mod sulf + SiO_2 Vnlets & localized stkwk ± wh clay. 30 - 35' Autobxa Mtx, strongly st & alt to reddish br & hard, scratcher does not scratch Matrix, clasts wk argil. 36.5-39.5 Wk diss py/marc, Clasts: wk - mod gr clay alt, wk sulf soaked patches ± wh clay. 45 - 52.3 Str vuggie +Barite Bladed Marc + SiO_2 ± wh Clay Vn & Stkwk, wk - Mod gr clay + SiO_2 ± sulf hairline Stkwk, Minor 1 - 4cm wide Rubble BXA Vn w/ gry SiO_2 Mtx.

ANALYTICAL DATA						
FROM	TO	W	Au	Ag	Au2	Ac
0	5.0					
5.0	10.0					
10.0	15.0					
15.0	17.5					
17.5	19.5					
19.5	25.0					
25.0	30.0					
30.0	35.0					
35.0	36.5					
36.5	39.5					
39.5	45.0					
45.0	50.0					

HOLE NUMBER D-208-98 PAGE 2 OF 3

LITH.	OX/RED.	LITHOLOGY	FT	GRAPHIC LOG	STRUCTURE	ALTERATION AND MINERALIZATION
	Reduced	117.0 - 120' Mosaic-Rubble BXA; Mtx-clast supported Autobxa Dozer clasts healed by gry SiO_2, Wk diss Sulf, Wk barite in Mtx, locally Wk leaching of Mtx	55 60 65 70 75 80 85 90 95 100 105 110 115 120	17° Fit 40° 20° 55° 55° 55° 55° 45°	52.3 - 53.3 Fault Gry SiO_2 healed Milled bxa 110 - 117' Mod. 1-4cm Wide Mtx Supported Rubble BXA healed by gry SiO_2, Wk perv. gr clay alt, Wk Wh clay blebs, Minor buggie barite Vn, Wk diss py	50 - 60' Mod Bleached Marc + gry SiO_2 ± Wh clay ± barite Minor Wk - Mod diss sulf patches 60 - 110' Minor 1cm dia Bleached + SiO_2 ± Wh clay ± barite, Wk-Mod parallel-Subparallel Sulf + SiO_2 Vnlets, Wk bleaching + argil, locally Wk gr clay hairline Stkwk.

ANALYTICAL DATA					
FROM	TO	W	Au	Ag	Au2
50.0	52.3				
52.3	53.3				
53.3	55.0				
55.0	60.0				
60.0	65.0				
65.0	70.0				
70.0	75.0				
75.0	80.0				
80.0	85.0				
85.0	90.0				
90.0	95.0				
95.0	100.0				
100.0	105.0				
105.0	110.0				
110.0	115.0				
115.0	117.0				
117.0	120.0				

HOLE NUMBER D-208-98 PAGE 3 OF 3

LITH.	OX/RED.	LITHOLOGY	FT	GRAPHIC LOG	STRUCTURE	ALTERATION AND MINERALIZATION
	Reduced	120 - 146' Autobrecciated Dozer 140.2 - 142.3 Tos Cg Lt gr-gr reworked epiclastic Tuff & Auld Lang Syne phyllite 143.3 - 150' Rubble BXA: Heterolith Mtx supported grading to Clast supported, clasts are composed of massive pinkish Tan fg equigranular, Tos, & Mottled to spotty Lt gr/br fg LST. BXA healed by gr SiO_2 & localized wh SiO_2 patches. 150 - 163.7 LST Mottled - Wavey thick lamino - spotted Lt gr argilized & br (less altered?) & harder 169 - 185' LBT Massive Autobrecciated Tuff DK br fg monolith subrounded Clast ghosts supported by dker br fg equigranular Mtx. 169 - 174.8 Milled BXA Mostly Mtx supported Monolith, Clasts are sub rounded-rounded healed by Lt gry - dk gry SiO_2, locally wh clay filled Fx, K-wk diss sulf. T.D. 185'	125 130 135 140 145 150 155 160 165 170 175 180 185	45°, 20°, 55°, 75°, SRF 50°, 35°, 60°, SRF 50°, Upper Plane, 30°, 50°, Shears 50°	129.0 - 131.7 Mosaic BXA: Angular Autobx Dozer clasts .5 - 2cm dia healed by gry SiO_2 + barite 130' grading to Mtx supported rubble bxa healed by SiO_2 + gr clay. 140 - 140.2 South Ridge Fault (lower SRF Plane) 140' DK gry gr banded SiO_2 ~.2' wide along Flt plane 140.2' - 142.3 Mostly Mtx supported rubble bxa, clasts are .5-3cm dia epiclastic Tuffaceous w/ minor blk phyllitic angular clasts healed by gr SiO_2 161.7 - 162.2 .5' wide Heterolithic Milled BXA Vn, Clasts are composed of LST & angular planer laminated healed by gr SiO_2 163.7 - 165.5 Heterolith Rubble BXA; Mtx-Clast Supported LST + Planter lam. healed by Gr SiO_2 + Rx Hour 165.5 - 169 Completly SiO_2 flooded w/ Gr-Wh-blk-Gr Banded SiO_2, faint wh & blk rework silica Vn clast ghosts.	120 - 129.0 Mod SiO_2 ± gr clay ± Marc ± barite Vn + Violets, Wk gr clay Hairline Stkwk 129.0 - 130.0 Vwk wh clay blebs in Mtx, wk gr clay Vn, Mod Marc blebs 1-2 cm dia. 131.7 - 135.2 Str SiO_2 + gr Clay healed crackle bxa & stkwk, Minor wh clay blebs, Minor Bladed Marc + gry SiO_2 + wh clay ± barite Vn. 142.3 - 143.3 Milled bxa: Heterolith Rounded epiclastic & massive fg Clast ghosts, healed by Gr SiO_2, wk diss sulf 143.3 - 150 Wk diss sulf blebs, Minor 1-2cm wide wh SiO_2 + wh Clay barite Vns + BXA Mtx. 161.7 - 162.2 Wh clay Vn x-cuts BXA Vn parallel to structure .5 - 1cm dia pyrargerite clots in Vn. 169.0 - 185.0 Str gougy blch & argil shears w/ mod sulf Vn & stkwk in shears, Wk white clay coating of Fx, Minor Bladed Marc filled Vugs.

ANALYTICAL DATA					
FROM	TO	W	Au	Ag	Au2
120.0	124.0				
124.0	129.0				
129.0	130.0				
130.0	131.7				
131.7	135.2				
135.2	140.0				
140.0	142.3				
142.3	143.3				
143.3	145.0				
145.0	150.0				
150.0	155.0				
155.0	160.0				
160.0	161.7				
161.7	162.2				
162.2	163.7				
163.7	167.0				
167.0	169.0				
169.0	174.8				
174.8	180.0				
180.0	185				

HECLA MINING COMPANY – ROSEBUD PROJECT
GEOTECHNICAL DRILL LOG

HOLE # D-208-98 DATE: 5/4/98 LOGGED BY: Brian W. Morris PAGE 1 OF 4

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	5	88	88	64										
5	10	92	82	80										
10	15	88	88	100										
15	20	120	120	7.5										
20	25	90	90	76										
25	30	78	78	59										
30	35	100	100	70										
35	40	94	94	96										
40	45	90	90	89										
45	50	92	92	87										
50	55	94	94	89										

HECLA MINING COMPANY – ROSEBUD PROJECT
GEOTECHNICAL DRILL LOG

HOLE # D-208-98 DATE: 5/4/98 LOGGED BY: Brian W. Morris PAGE 2 OF 4

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	60													
60	65													
65	70													
70	75													
75	80													
80	85													
85	90													
90	95													
95	100													
100	105													
105	110													

HECLA MINING COMPANY – ROSEBUD PROJECT
GEOTECHNICAL DRILL LOG

HOLE # D-208-98 DATE: 5/5/98 LOGGED BY: BWM PAGE 3 OF 4

DRILL RUN		SOLID CORE	TOTAL CORE	RQD	ROCK STRENGTH		FRACTURE DATA				DENSITY DATA			
FROM	TO	RECOVERY (%)	RECOVERY (%)		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)
110	115	94	94	74										
115	120	90	90	71										
120	124	96	96	48										
124	129	94	94	64										
129	134	96	96	67										
134	139	94	94	62										
139	141	100	100	50										
141	145	93	93	58										
145	150	98	98	67										
150	155	94	94	79										
155	160	100	100	76										

HECLA MINING COMPANY – ROSEBUD PROJECT
GEOTECHNICAL DRILL LOG

HOLE # D-208-98 DATE: 5/5/98 LOGGED BY: BWM PAGE 4 OF 4

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)
160	165	88	88	16										
165	166	80	80	0										
166	167	50	50	0										
167	168	70	70	0										
168	170	95	95	58										
170	175	80	95	44										
175	180	84	84	0										
180	185	84	84	33										

SP

SUBMITTAL FORM

American Assay Laboratories

Geochemical • Environmental • Metallurgical

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Elko, NV 89801
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Fax
(702) 738-2594

Mazatlan Office
Telephone/Fax
011-52-69-170035

Other Offices
Lima, Peru
Santiago, Chile
Mendoza, Argentina

Company: Rosebud Mining Co LLT

Address: P.O. Box 2610

City Winnemucca State NV Zip 89445

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

Project Name: Development Purchase Order Number:

Date Submitted: 5/7/98 Number of Samples: ~~50~~ 49

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

D-208-78 SAMPLE IDENTIFICATION		TYPE	ELEMENTS REQUIRED	
0-5.0	55.0-60.0	core	124.0-129.0	163.7-167.0
5.0-10.0	60.0-65.0		129.0-130.0	167.0-169.0
10.0-15.0	65.0-70.0		130.0-131.7	169.0-174.8
15.0-17.5	70.0-75.0		131.7-135.2	174.8-180.0
17.5-19.5	75.0-80.0		~~135.2-139.0~~	180.0-185.0
19.5-25.0	80.0-85.0		~~134.0-140.0~~ 135.2-140.0	
25.0-30.0	85.0-90.0		140.0-142.3	
30.0-35.0	90.0-95.0		142.3-143.3	
35.0-36.5	95.0-100.0		143.3-145.0	
36.5-39.5	100.0-105.0		145.0-150.0	
39.5-45.0	105.0-110.0		150.0-155.0	
45.0-50.0	110.0-115.0		155.0-160.0	
50.0-52.3	115.0-117.0		160.0-161.7	
52.3-53.3	117.0-120.0		161.7-162.2	
53.3-55.0	120.0-124.0		162.2-163.7	

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 Protocol

CLIENT FILE COPY

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 0048944-IN
INVOICE DATE: 06/05/98

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-208-98		NET 30 - DUE IN U.S. DOLLARS

QUANTITY	DESCRIPTION	PRICE	AMOUNT
24	SAMPLES RECEIVED	.00	.00
24	SPLITTING CHARGE	.60	14.40
24	Screen fire assay for Au	35.00	840.00
24	Screen fire assay+65 MESH Ag	5.00	120.00
24	Screen fire assay-65 MESH Ag	5.00	120.00

86-5030-477
~~CAA~~

NET INVOICE:	1,094.40
LESS DISCOUNT:	218.88
FREIGHT:	.00
INVOICE TOTAL:	875.52

xAMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP048944

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-208-98 RECEIVED : 21 MAY 1998

No. SAMPLES : 24 REPORTED : 3 JUN 1998

MAIN SAMPLE TYPE : SAMPLES ANALYSED AS RECEIVED

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
WT+65#	FA-MS	5%	GRAMS	1.0
WT-65#	FA-MS	5%	GRAMS	1.0
Au+65#	FA-MS	15%	OPT	0.001
Au-65#	FA-MS	15%	OPT	0.001
Au-65#R	FA-MS	15%	OPT	0.001
~~AuCALC~~	~~FA-MS~~	~~15%~~	~~OPT~~	~~0.001~~
Ag+65#	FA-MS	15%	OPT	0.02
Ag-65#	FA-MS	15%	OPT	0.02

SIGNATORY : Susan King M.S.

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP048944

American Assay Laboratories

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-208-98

REPORTED : 3 JUN 1998

SAMPLES	WT+65# FA-MS GRAMS	WT-65# FA-MS GRAMS	Au+65# FA-MS OPT	Au-65# FA-MS OPT	Au-65#R FA-MS OPT	AuCALC FA-MS OPT
D-208-98 36.5-39.5	30.6	600.0	0.341	0.201	0.209	0.212
D-208-98 39.5-45.0	42.3	570.0	0.178	0.118	0.100	0.113
D-208-98 45-50	32.9	570.0	1.678	0.532	0.429	0.546
D-208-98 50.0-52.3	43.1	580.0	0.536	0.138	0.089	0.143
D-208-98 52.3-53.3	33.9	580.0	0.532	0.188	0.245	0.234
D-208-98 53.3-55.0	48.8	570.0	0.173	0.101	0.058	0.087
D-208-98 55-60	40.0	570.0	2.652	0.595	0.571	0.719
D-208-98 60-65	42.8	570.0	0.608	0.228	0.212	0.247
D-208-98 70-75	25.3	580.0	30.930	6.478	6.625	7.571
D-208-98 80-85	63.2	560.0	0.150	0.042	0.086	0.073
D-208-98 90-95	34.6	580.0	0.251	0.171	0.162	0.171
D-208-98 95-100	17.7	580.0	0.700	0.100	0.135	0.135
D-208-98 117-120	29.2	600.0	0.500	0.074	0.039	0.077
D-208-98 124-129	12.7	580.0	5.458	0.241	0.280	0.372
D-208-98 129-130	40.0	560.0	1.321	0.322	0.259	0.359
D-208-98 130.0-131.7	29.7	580.0	0.533	0.341	0.332	0.346
D-208-98 131.7-135.2	38.3	570.0	0.839	0.231	0.229	0.269
D-208-98 135.2-139.0	39.3	560.0	1.144	0.211	0.184	0.260
D-208-98 140.0-142.3	38.5	570.0	0.891	0.091	0.136	0.162
D-208-98 142.3-143.3	43.2	570.0	0.645	0.117	0.118	0.154
D-208-98 155-160	66.1	550.0	0.196	0.041	0.050	0.062
D-208-98 160.0-161.7	54.2	540.0	0.316	0.129	0.126	0.145
D-208-98 161.7-162.2	48.8	550.0	4.779	1.197	0.872	1.339
D-208-98 162.2-163.7	36.9	590.0	2.776	0.270	0.356	0.458

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP048944

American Assay Laboratories

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-208-98

REPORTED : 3 JUN 1998

SAMPLES	Ag+65# FA-MS OPT	Ag-65# FA-MS OPT
D-208-98 36.5-39.5	0.42	0.22
D-208-98 39.5-45.0	0.36	<0.02
D-208-98 45-50	1.98	0.48
D-208-98 50.0-52.3	0.66	<0.02
D-208-98 52.3-53.3	1.18	0.21
D-208-98 53.3-55.0	0.43	<0.02
D-208-98 55-60	3.49	0.75
D-208-98 60-65	1.55	0.26
D-208-98 70-75	33.90	8.32
D-208-98 80-85	0.10	<0.02
D-208-98 90-95	<0.02	0.09
D-208-98 95-100	1.59	<0.02
D-208-98 117-120	0.72	<0.02
D-208-98 124-129	5.95	0.61
D-208-98 129-130	1.18	2.08
D-208-98 130.0-131.7	0.81	0.30
D-208-98 131.7-135.2	1.14	0.40
D-208-98 135.2-139.0	1.17	0.27
D-208-98 140.0-142.3	0.76	0.25
D-208-98 142.3-143.3	0.78	<0.02
D-208-98 155-160	0.17	0.82
D-208-98 160.0-161.7	1.01	9.65
D-208-98 161.7-162.2	9.91	90.51
D-208-98 162.2-163.7	4.26	12.44

xAMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP048944

American Assay Laboratories

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

HECLA MINING COMPANY

COPIES TO : KURT ALLEN

CLIENT REFERENCE No: D-208-98 RECEIVED : 21 MAY 1998

No. SAMPLES : 24 REPORTED : 3 JUN 1998

MAIN SAMPLE TYPE : SAMPLES ANALYSED AS RECEIVED

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
WT+65#	FA-MS	5%	GRAMS	1.0
WT-65#	FA-MS	5%	GRAMS	1.0
Au+65#	FA-MS	15%	OPT	0.001
Au-65#	FA-MS	15%	OPT	0.001
Au-65#R	FA-MS	15%	OPT	0.001
AuCALC	FA-MS	15%	OPT	0.001
Ag+65#	FA-MS	15%	OPT	0.02
Ag-65#	FA-MS	15%	OPT	0.02

SIGNATORY : Susan King M.S.

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP048944

American Assay Laboratories

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-208-98

REPORTED : 3 JUN 1998

SAMPLES	WT+65# FA-MS GRAMS	WT-65# FA-MS GRAMS	Au+65# FA-MS OPT	Au-65# FA-MS OPT	Au-65#R FA-MS OPT	AuCALC FA-MS OPT
D-208-98 36.5-39.5	30.6	600.0	0.341	0.201	0.209	0.212
D-208-98 39.5-45.0	42.3	570.0	0.178	0.118	0.100	0.113
D-208-98 45-50	32.9	570.0	1.678	0.532	0.429	0.546
D-208-98 50.0-52.3	43.1	580.0	0.536	0.138	0.089	0.143
D-208-98 52.3-53.3	33.9	580.0	0.532	0.188	0.245	0.234
D-208-98 53.3-55.0	48.8	570.0	0.173	0.101	0.058	0.087
D-208-98 55-60	40.0	570.0	2.652	0.595	0.571	0.719
D-208-98 60-65	42.8	570.0	0.608	0.228	0.212	0.247
D-208-98 70-75	25.3	580.0	30.930	6.478	6.625	7.571
D-208-98 80-85	63.2	560.0	0.150	0.042	0.086	0.073
D-208-98 90-95	34.6	580.0	0.251	0.171	0.162	0.171
D-208-98 95-100	17.7	580.0	0.700	0.100	0.135	0.135
D-208-98 117-120	29.2	600.0	0.500	0.074	0.039	0.077
D-208-98 124-129	12.7	580.0	5.458	0.241	0.280	0.372
D-208-98 129-130	40.0	560.0	1.321	0.322	0.259	0.359
D-208-98 130.0-131.7	29.7	580.0	0.533	0.341	0.332	0.346
D-208-98 131.7-135.2	38.3	570.0	0.839	0.231	0.229	0.269
D-208-98 135.2-139.0	39.3	560.0	1.144	0.211	0.184	0.260
D-208-98 140.0-142.3	38.5	570.0	0.891	0.091	0.136	0.162
D-208-98 142.3-143.3	43.2	570.0	0.645	0.117	0.118	0.154
D-208-98 155-160	66.1	550.0	0.196	0.041	0.050	0.062
D-208-98 160.0-161.7	54.2	540.0	0.316	0.129	0.126	0.145
D-208-98 161.7-162.2	48.8	550.0	4.779	1.197	0.872	1.339
D-208-98 162.2-163.7	36.9	590.0	2.776	0.270	0.356	0.458

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP048944

American Assay Laboratories

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-208-98

REPORTED : 3 JUN 1998

SAMPLES	Ag+65# FA-MS OPT	Ag-65# FA-MS OPT
D-208-98 36.5-39.5	0.42	0.22
D-208-98 39.5-45.0	0.36	<0.02
D-208-98 45-50	1.98	0.48
D-208-98 50.0-52.3	0.66	<0.02
D-208-98 52.3-53.3	1.18	0.21
D-208-98 53.3-55.0	0.43	<0.02
D-208-98 55-60	3.49	0.75
D-208-98 60-65	1.55	0.26
D-208-98 70-75	33.90	8.32
D-208-98 80-85	0.10	<0.02
D-208-98 90-95	<0.02	0.09
D-208-98 95-100	1.59	<0.02
D-208-98 117-120	0.72	<0.02
D-208-98 124-129	5.95	0.61
D-208-98 129-130	1.18	2.08
D-208-98 130.0-131.7	0.81	0.30
D-208-98 131.7-135.2	1.14	0.40
D-208-98 135.2-139.0	1.17	0.27
D-208-98 140.0-142.3	0.76	0.25
D-208-98 142.3-143.3	0.78	<0.02
D-208-98 155-160	0.17	0.82
D-208-98 160.0-161.7	1.01	9.65
D-208-98 161.7-162.2	9.91	90.51
D-208-98 162.2-163.7	4.26	12.44

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 0048794-IN
INVOICE DATE: 05/21/98

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-208-98	DEVELOPMENT	NET 30 - DUE IN U.S. DOLLARS

QUANTITY	DESCRIPTION	PRICE	AMOUNT
50	SAMPLES RECEIVED	.00	.00
49	DRYING	1.00	49.00
49	JAW CRUSHING CHARGE	1.30	63.70
49	COARSE MILLING CHARGE	4.50	220.50
49	SPLITTING CHARGE	2.40	117.60
49	RING MILLING CHARGE	2.00	98.00
50	Au (1 A.T. FIRE ASSAY)	8.00	400.00
24	Au ANALYSES/GRAVIMETRIC	8.75	210.00
50	HYDROCHLORIC/NITRIC DIGESTION	2.00	100.00
50	Ag ANALYSES	1.00	50.00
7	Ag (ore grade) ANALYSES	5.00	35.00

86-5110-477
KDA

NET INVOICE:	1,343.80
LESS DISCOUNT:	268.76
FREIGHT:	.00
INVOICE TOTAL:	1,075.04

xAMERICAN ASSAY LABORATORIES
ANALYSIS REPORT SP048794

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-208-98 RECEIVED : 8 MAY 1998

No. SAMPLES : 50 REPORTED : 20 MAY 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.

AMERICAN ASSAY LABORATORIES
ANALYSIS REPORT SP048794

American Assay Laboratories

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-208-98

REPORTED : 20 MAY 1998

SAMPLES	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	AuGRAV GRAV OPT	Ag(OZ) D210 OPT
D-208-98 00-05	<0.001			0.03
D-208-98 05-10	0.006			0.05
D-208-98 10-15	0.002			0.03
D-208-98 15.0-17.5	0.002			0.03
D-208-98 17.5-19.5	0.014			0.04
D-208-98 19.5-25.0	0.015			0.03
D-208-98 25-30	0.006			0.03
D-208-98 30-35	0.037			0.03
D-208-98 35.0-36.5	0.015			0.05
D-208-98 36.5-39.5	0.230		0.227	0.51
D-208-98 39.5-45.0	0.098		0.100	0.05
D-208-98 45-50	0.639		0.657	0.28
D-208-98 50.0-52.3	0.104		0.135	0.10
D-208-98 52.3-53.3	0.357		0.382	0.15
D-208-98 53.3-55.0	0.135		0.147	0.09
D-208-98 55-60	0.586		0.752	1.28
D-208-98 60-65	0.226		0.287	0.07
D-208-98 65-70	0.008			0.05
D-208-98 70-75	5.770		7.350	4.68
D-208-98 75-80	0.034			0.39
D-208-98 80-85	0.064		0.079	0.07
D-208-98 85-90	0.022	0.026		0.05
D-208-98 90-95	0.209		0.182	0.77
D-208-98 95-100	0.186		0.149	0.33
D-208-98 100-105	0.005			0.04

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP048794

American Assay Laboratories

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-208-98

REPORTED : 20 MAY 1998

SAMPLES	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	AuGRAV GRAV OPT	Ag(OZ) D210 OPT
D-208-98 105-110	0.025	0.023		0.03
D-208-98 110-115	0.024			0.05
D-208-98 115-117	0.030			0.05
D-208-98 117-120	0.080		0.069	0.05
D-208-98 120-124	0.046			0.06
D-208-98 124-129	0.483		0.417	0.79
D-208-98 129-130	0.307		0.300	2.84
D-208-98 130.0-131.7	0.319		0.360	0.73
D-208-98 131.7-135.2	0.242		0.243	0.36
D-208-98 135.2-139.0	0.249		0.270	0.52
D-208-98 140.0-142.3	0.102		0.121	0.40
D-208-98 142.3-143.3	0.143		0.120	0.12
D-208-98 143.3-145.0	0.027			0.10
D-208-98 145-150	0.016			0.91
D-208-98 150-155	0.038			0.21
D-208-98 155-160	0.078		0.069	0.99
D-208-98 160.0-161.7	0.145		0.129	9.30
D-208-98 161.7-162.2	1.210		0.900	68.20
D-208-98 162.2-163.7	0.350		0.380	14.20
D-208-98 163.7-167.0	0.012			2.06
D-208-98 167-169	0.006			1.50
D-208-98 169.0-174.8	0.007	0.007		0.63
D-208-98 174.8-180.0	0.006			0.17
D-208-98 180-185	0.006			0.59
31066	0.121			2.45

xAMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP048794

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-208-98

No. SAMPLES : 50

MAIN SAMPLE TYPE : DRILL CORE

RECEIVED : 8 MAY 1998

REPORTED : 20 MAY 1998

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.

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP048794

American Assay Laboratories

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-208-98

REPORTED : 20 MAY 1998

SAMPLES	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	AuGRAV GRAV OPT	Ag(OZ) D210 OPT
D-208-98 00-05	<0.001			0.03
D-208-98 05-10	0.006			0.05
D-208-98 10-15	0.002			0.03
D-208-98 15.0-17.5	0.002			0.03
D-208-98 17.5-19.5	0.014			0.04
D-208-98 19.5-25.0	0.015			0.03
D-208-98 25-30	0.006			0.03
D-208-98 30-35	0.037			0.03
D-208-98 35.0-36.5	0.015			0.05
D-208-98 36.5-39.5	0.230		0.227	0.51
D-208-98 39.5-45.0	0.098		0.100	0.05
D-208-98 45-50	0.639		0.657	0.28
D-208-98 50.0-52.3	0.104		0.135	0.10
D-208-98 52.3-53.3	0.357		0.382	0.15
D-208-98 53.3-55.0	0.135		0.147	0.09
D-208-98 55-60	0.586		0.752	1.28
D-208-98 60-65	0.226		0.287	0.07
D-208-98 65-70	0.008			0.05
D-208-98 70-75	5.770		7.350	4.68
D-208-98 75-80	0.034			0.39
D-208-98 80-85	0.064		0.079	0.07
D-208-98 85-90	0.022	0.026		0.05
D-208-98 90-95	0.209		0.182	0.77
D-208-98 95-100	0.186		0.149	0.33
D-208-98 100-105	0.005			0.04

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP048794

American Assay Laboratories

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-208-98

REPORTED : 20 MAY 1998

SAMPLES	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	AuGRAV GRAV OPT	Ag(OZ) D210 OPT
D-208-98 105-110	0.025	0.023		0.03
D-208-98 110-115	0.024			0.05
D-208-98 115-117	0.030			0.05
D-208-98 117-120	0.080		0.069	0.05
D-208-98 120-124	0.046			0.06
D-208-98 124-129	0.483		0.417	0.79
D-208-98 129-130	0.307		0.300	2.84
D-208-98 130.0-131.7	0.319		0.360	0.73
D-208-98 131.7-135.2	0.242		0.243	0.36
D-208-98 135.2-139.0	0.249		0.270	0.52
D-208-98 140.0-142.3	0.102		0.121	0.40
D-208-98 142.3-143.3	0.143		0.120	0.12
D-208-98 143.3-145.0	0.027			0.10
D-208-98 145-150	0.016			0.91
D-208-98 150-155	0.038			0.21
D-208-98 155-160	0.078		0.069	0.99
D-208-98 160.0-161.7	0.145		0.129	9.30
D-208-98 161.7-162.2	1.210		0.900	68.20
D-208-98 162.2-163.7	0.350		0.380	14.20
D-208-98 163.7-167.0	0.012			2.06
D-208-98 167-169	0.006			1.50
D-208-98 169.0-174.8	0.007	0.007		0.63
D-208-98 174.8-180.0	0.006			0.17
D-208-98 180-185	0.006			0.59
31066	0.121			2.45

AMERICAN ASSAY LABORATORIES

PROVISIONAL REPORT SP048944

PO BOX 11530
RENO NV,USA
Ph.(702) 356-9606, Fax.(702) 356-1413

HECLA MINING COMPANY

COPIES TO : KURT ALLEN

MET SCREENS

:

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:

CLIENT REFERENCE No: D-208-98 RECEIVED : 21 MAY 1998

No. SAMPLES : 24 REPORTED : 3 JUN 1998

MAIN SAMPLE TYPE : SAMPLES ANALYSED AS RECEIVED

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
WT+65#	FA-MS	5%	GRAMS	1.0
WT-65#	FA-MS	5%	GRAMS	1.0
Au+65#	FA-MS	15%	OPT	0.001
Au-65#	FA-MS	15%	OPT	0.001
Au-65#R	FA-MS	15%	OPT	0.001
AuCALC	FA-MS	15%	OPT	0.001
Ag+65#	FA-MS	15%	OPT	0.02
Ag-65#	FA-MS	15%	OPT	0.02

06/04/1998 09:15 7023561413 AMERICAN ASSAY LABS PAGE 01
7023561413

AMERICAN ASSAY LABORATORIES

PROVISIONAL REPORT SP0438944

CLIENT : BECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-208-98

REPORTED : 3 JUN 1998

SAMPLES	WT+65#	WT-65#	Au+65#	Au-65#	Au-65#R	AuCALC
D-208-98 36.5-39.5	30.6	500.0	0.341	0.201	0.209	0.212
D-208-98 39.5-45.0	42.3	570.0	0.178	0.118	0.100	0.113
D-208-98 45-50	32.9	570.0	1.678	0.532	0.429	0.546
D-208-98 50.0-52.3	43.1	580.0	0.536	0.138	0.089	0.143
D-208-98 52.3-53.3	33.9	580.0	0.532	0.188	0.245	0.234
D-208-98 53.3-55.0	48.8	570.0	0.173	0.101	0.058	0.087
D-208-98 55-60	40.0	570.0	2.652	0.595	0.571	0.719
D-208-98 60-65	42.8	570.0	0.608	0.228	0.212	0.247
D-208-98 70-75	25.3	580.0	30.930	6.478	6.625	7.571
D-208-98 80-85	63.2	560.0	0.150	0.042	0.086	0.073
D-208-98 90-95	34.6	580.0	0.251	0.171	0.162	0.171
D-208-98 95-100	17.7	580.0	0.700	0.100	0.135	0.135
D-208-98 117-120	29.2	600.0	0.500	0.074	0.039	0.077
D-208-98 124-129	12.7	580.0	5.458	0.241	0.280	0.372
D-208-98 129-130	40.0	560.0	1.321	0.322	0.259	0.359
D-208-98 130.0-131.7	29.7	580.0	0.532	0.341	0.332	0.346
D-208-98 131.7-135.2	38.3	570.0	0.839	0.231	0.229	0.269
D-208-98 135.2-139.0	39.3	560.0	1.144	0.213	0.184	0.260
D-208-98 140.0-142.3	38.5	570.0	0.891	0.091	0.136	0.162
D-208-98 142.3-143.3	43.2	570.0	0.645	0.117	0.118	0.154
D-208-98 155-160	66.1	550.0	0.196	0.041	0.050	0.062
D-208-98 160.0-161.7	54.2	540.0	0.316	0.129	0.126	0.145
D-208-98 161.7-162.2	48.8	550.0	4.779	1.197	0.872	1.339
D-208-98 162.2-163.7	36.9	590.0	2.776	0.278	0.356	0.458

06/04/1998 09:15 7023561413 AMERICAN ASSAY LABS PAGE 02

AMERICAN ASSAY LABORATORIES

PROVISIONAL REPORT SP0498944

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-208-98

REPORTED : 3 JUN 1998

SAMPLES	Ag465#	Ag-65#
D-208-98 36.5-39.5	0.42	0.22
D-208-98 39.5-45.0	0.36	<0.02
D-208-98 45-50	1.98	0.48
D-208-98 50.0-52.3	0.66	<0.02
D-208-98 52.3-53.3	1.18	0.21
D-208-98 53.3-55.0	0.43	<0.02
D-208-98 55-60	2.49	0.75
D-208-98 60-65	1.55	0.26
D-208-98 70-75	33.90	8.32
D-208-98 80-85	0.10	<0.02
D-208-98 90-95	<0.02	0.09
D-208-98 95-100	1.59	<0.02
D-208-98 117-120	0.72	<0.02
D-208-98 124-129	5.95	0.61
D-208-98 129-130	1.18	2.03
D-208-98 130.0-131.7	0.81	0.30
D-208-98 131.7-135.2	1.14	0.40
D-208-98 135.2-139.0	1.17	0.27
D-208-98 140.0-142.3	0.76	0.25
D-208-98 142.3-143.3	0.78	<0.02
D-208-98 155-160	0.17	0.82
D-208-98 160.0-161.7	1.01	9.65
D-208-98 161.7-162.2	9.91	90.51
D-208-98 162.2-163.7	4.26	12.44

06/04/1998 09:15 7023561413 AMERICAN ASSAY LABS PAGE 03

AMERICAN ASSAY LABORATORIES

PROVISIONAL REPORT SP048794

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-208-98 RECEIVED : 8 MAY 1998

No. SAMPLES : 50 REPORTED : 20 MAY 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.

05/20/1998 11:58 7023561413 AMERICAN ASSAY LABS PAGE 01
7023561413

AMERICAN ASSAY LABORATORIES

PROVISIONAL REPORT SP048794

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-208-98

REPORTED : 20 MAY 1998

SAMPLES	Au(OZ)	Au(RZ)	AuGRAV	Ag(OZ)	
D-208-98 00-05	<0.001			0.03	
D-208-98 05-10	0.006			0.05	
D-208-98 10-15	0.002			0.03	
D-208-98 15.0-17.5	0.002			0.03	
D-208-98 17.5-19.5	0.014			0.04	
D-208-98 19.5-25.0	0.015			0.03	
D-208-98 25-30	0.006			0.03	
D-208-98 30-35	0.037			0.03	
D-208-98 35.0-36.5	0.015			0.05	36.5-75 = 38.5 @
D-208-98 36.5-39.5 3.0	0.230		0.227	0.51	0.99 Au
D-208-98 39.5-45.0 5.5	0.098		0.100	0.06	0.89 Ag
D-208-98 45-50 5	0.639		0.657	0.28	
D-208-98 50.0-52.3 2.3	0.104		0.135	0.10	
D-208-98 52.3-53.3 1.0	0.357		0.382	0.15	
D-208-98 53.3-55.0 1.7	0.135		0.147	0.09	
D-208-98 55-60 5	0.586		0.752	1.28	
D-208-98 60-65 5	0.226		0.287	0.07	
D-208-98 65-70 5	0.008			0.05	
D-208-98 70-75 5	5.770		7.350	4.68	
D-208-98 75-80	0.034			0.39	
D-208-98 80-85	0.064		0.079	0.07	
D-208-98 85-90	0.022	0.026		0.05	90-100 = 10' @
D-208-98 90-95	0.209		0.182	0.77	0.198 Au
D-208-98 95-100	0.186		0.149	0.33	0.55 Ag
D-208-98 100-105	0.005			0.04	

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AMERICAN ASSAY LABORATORIES

PROVISIONAL REPORT SP048794

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-208-98

REPORTED : 20 MAY 1998

SAMPLES		Au(OZ)	Au(RZ)	AuGRAV	Ag(OZ)	
D-208-98 105-110		0.025	0.023		0.03	
D-208-98 110-115		0.024			0.05	
D-208-98 115-117		0.030			0.05	
D-208-98 117-120		0.080		0.069	0.05	
D-208-98 120-124		0.046			0.06	124-143.3 = 19.3' @
D-208-98 124-129	5	0.483		0.417	0.79	
D-208-98 129-130	1	0.307		0.300	2.84	0.297 Au
D-208-98 130.0-131.7	1.7	0.319		0.360	0.73	0.67 Ag
D-208-98 131.7-135.2	3.5	0.242		0.243	0.36	
D-208-98 135.2-139.0	3.8	0.249		0.270	0.52	
D-208-98 140.0-142.3	2.3	0.102		0.121	0.40	
D-208-98 142.3-143.3	1	0.143		0.120	0.12	
D-208-98 143.3-145.0	1.7	0.027			0.10	
D-208-98 145-150		0.016			0.91	
D-208-98 150-155		0.038			0.21	
D-208-98 155-160		0.078		0.069	0.99	160-163.7 = 3.7' @
D-208-98 160.0-161.7	1.7	0.145		0.129	9.30	
D-208-98 161.7-162.2	0.5	1.210		0.900	68.20	0.372 Au
D-208-98 162.2-163.7	1.5	0.350		0.380	14.20	19.25 Ag
D-208-98 163.7-167.0		0.012			2.06	
D-208-98 167-169		0.006			1.50	
D-208-98 169.0-174.8		0.007	0.007		0.63	
D-208-98 174.8-180.0		0.006			0.17	
D-208-98 180-185		0.006			0.59	
31066		0.121			2.45	

05/20/1998 11:58 7023561413 AMERICAN ASSAY LABS PAGE 03

D - 208 - 98 BOX 2
DEPTH 10. - 19.5

D - 208 - 98 BOX 1
DEPTH 0.0 - 10.

D - 208 - 98 BOX 3
DEPTH 19.5 - 28.5

45
40
D - 208 - 98 BOX 5
DEPTH 38. - 47.5

30
35
D - 208 - 98 BOX 4
DEPTH 28.5 - 38.

50
55
D - 208 - 98 BOX 6
DEPTH 47.5 - 57.

75
70
D – 208 – 98 BOX 8
DEPTH 66. – 75.

60
60
65
D – 208 – 98 BOX 7
DEPTH 57. – 66.

80
D – 208 – 98 BOX 9
DEPTH 75. – 84.5

95
100
D - 208 - 98 BOX 11
DEPTH 94. - 103.

85
D - 208 - 98 BOX 10
DEPTH 84.5 - 94.

105
110
D - 208 - 98 BOX 12
DEPTH 103. - 113.

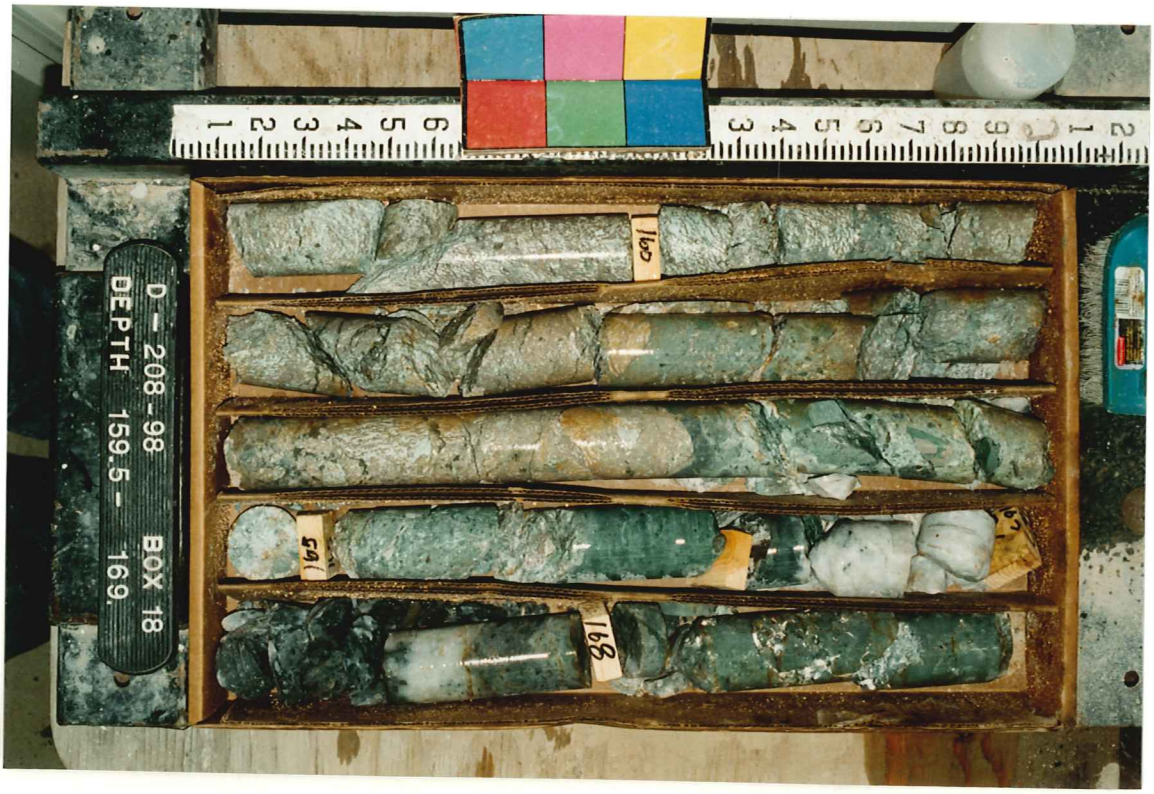
D – 208 - 98 BOX 14
DEPTH 122.5 - 132.
127

D – 208 - 98 BOX 13
DEPTH 113. - 122.5
115
120

D – 208 - 98 BOX 15
DEPTH 132. - 140.5
134
137

155
150
D - 208 - 98 BOX 17
DEPTH 149.5 - 159.5

145
14
D - 208 - 98 BOX 16
DEPTH 140.5 - 149.5


D - 208 - 98 BOX 18
DEPTH 159.5 - 169.

175
170
D - 208 - 98 BOX 19
DEPTH 169. - 179.

180
D - 208 - 98 BOX 20
DEPTH 179. - 185. TD

SINGLE SHOT
PHOTO DISC RECORD

COMPANY _____

WELL NAME D-208-98

LEASE _____

TAKEN BY Jerome

DEPTH collar

DATE 3-23-98

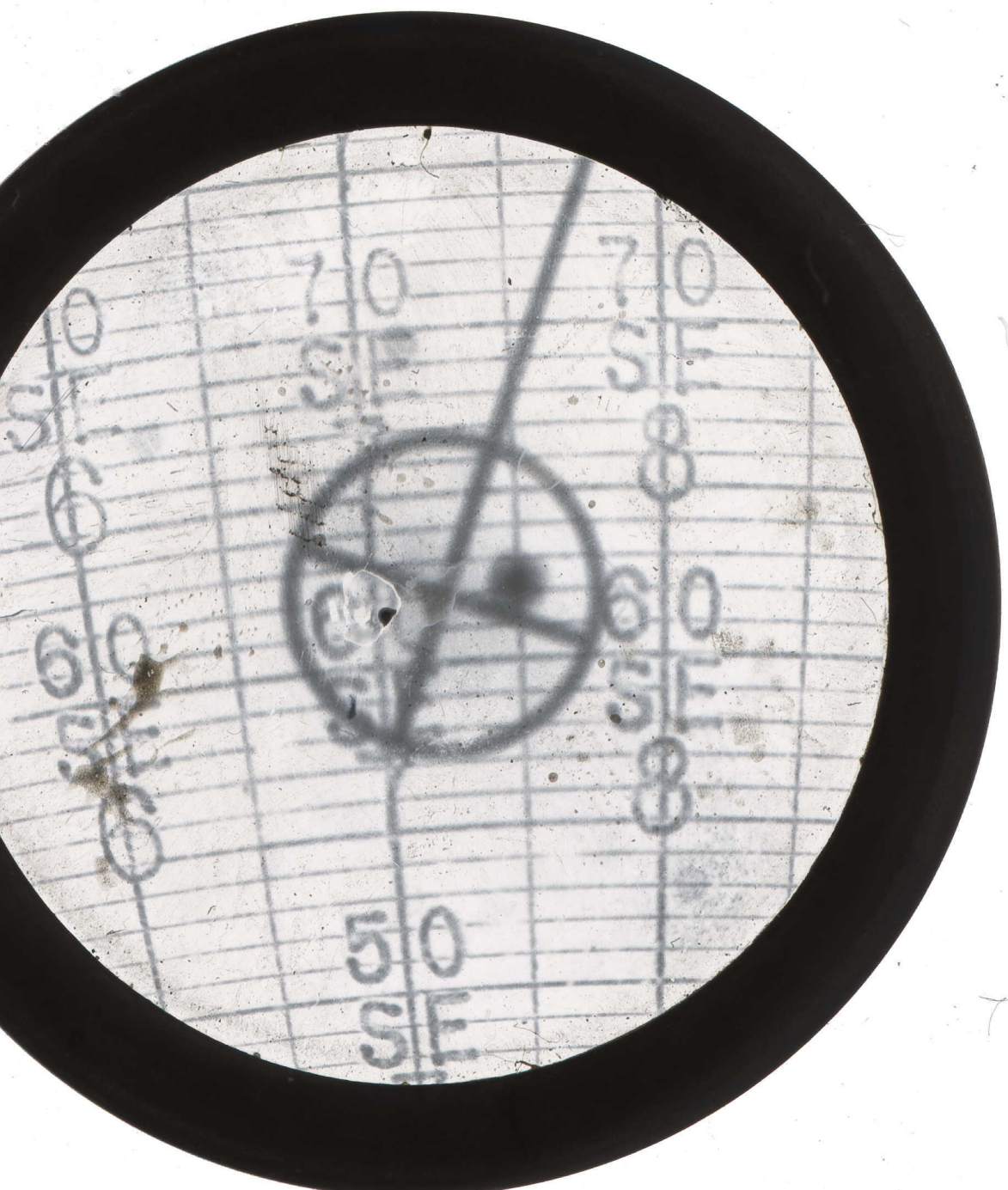
DRIFT ANGLE _____

DIRECTION _____

TYPE _____

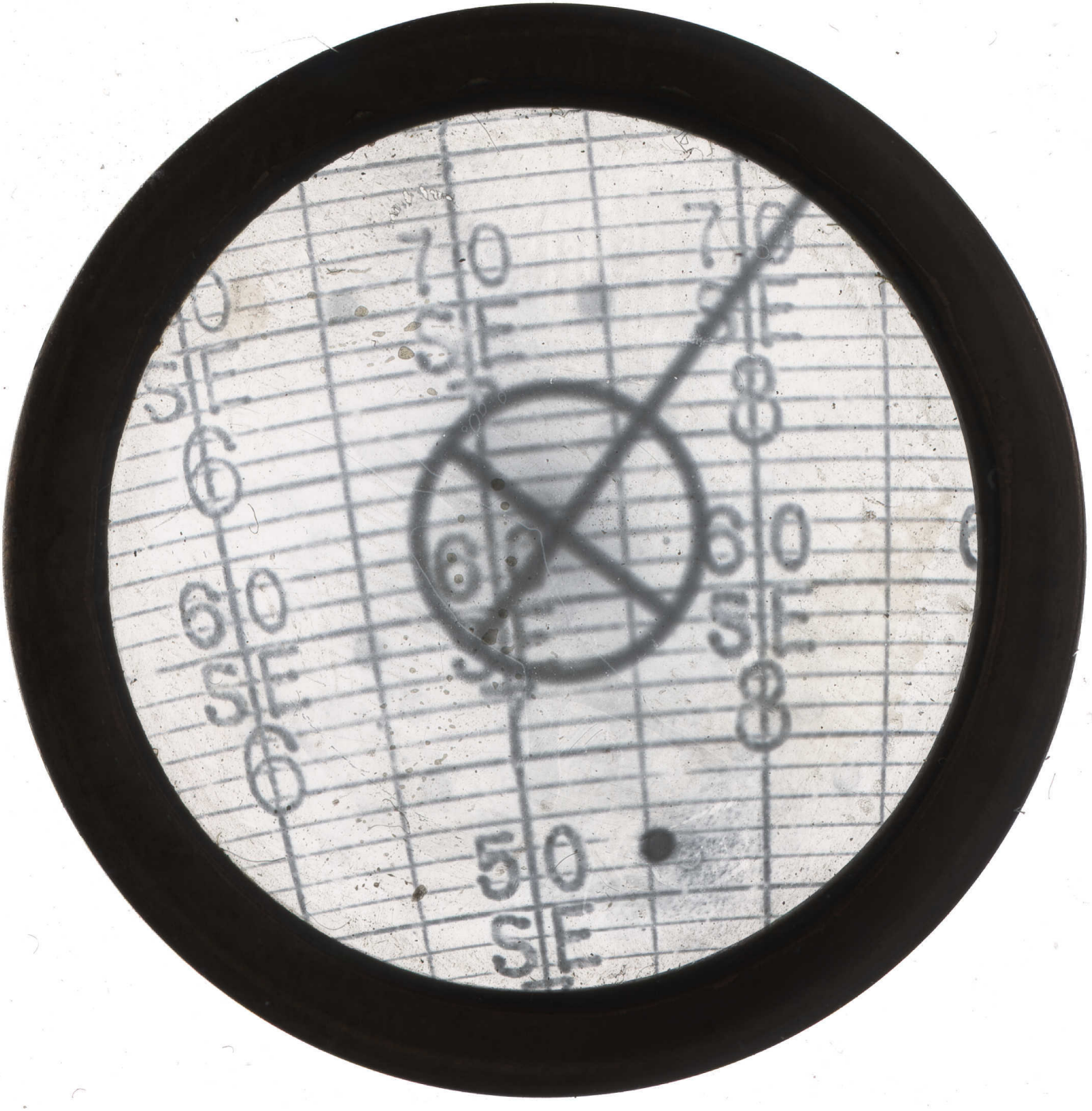
JOB NO. _____

HI-1408


70
SE
70
SE
60
SE
60
SE
50
SE

SINGLE SHOT
PHOTO DISC RECORD

COMPANY
WELL NAME D-209-98
LEASE
TAKEN BY Larome
DEPTH 85'
DATE 3-23-98
DRIFT ANGLE
DIRECTION
TYPE
JOB NO.
HI-1408


70
SE
60
SE
50
SE

SINGLE SHOT
PHOTO DISC RECORD

COMPANY _____

WELL NAME D-208-98

LEASE _____

TAKEN BY Jerome

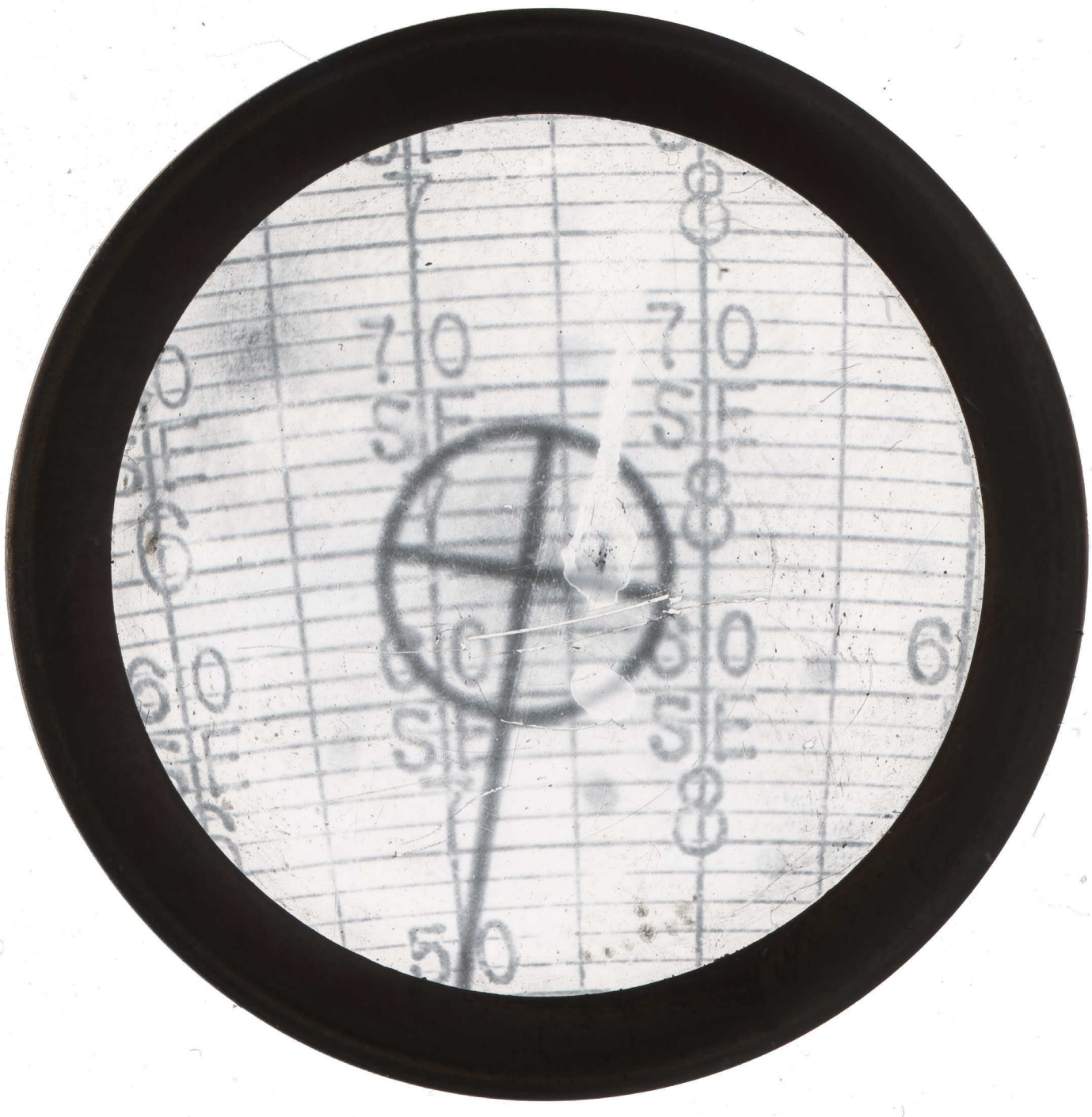
DEPTH 180'

DATE 3-23-98

DRIFT ANGLE _____

DIRECTION _____

TYPE _____

JOB NO. _____

HI-1408