60001195

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-294-98
AUTHOR	S. King; K. Allen; A. Niles
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.
COMMODITY If not obvious	gold; silver
NOTES	Drill log; geology; assay; photographs; total depth 271' receipt; handwritten notes; downhole camera images 38p. 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: DP 5/14/08
Initials Date
DB: mah
Initials Date
SCANNED: NB
Initials Date

Revised: 1/22/08

D-294-98

60001195 4010

60601195

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

Hecla
MINING COMPANY

ROSEBUD PROJECT
DIAMOND DRILL LOG

HOLE NUMBER	D-294-98	LOCATION	NORTH STOPE SO SEC 1525	REMARKS	
PAGE 1 OF	5	NORTHING			
DATE	10/7-9/98	EASTING			
LOGGED BY	ALLYN ALLES	ELEVATION			
SCALE	1" = 10'	AZIMUTH	125		
TOTAL DEPTH	271	INCLINATION	23.5		

REC	RQD	LITHOLOGY	FT	GRAPHIC LOG	STRUCTURE	ALTERATION AND MINERALIZATION
0.0 – 31.0 FAULT PLANAR LAMINAR		0.0 – 31.0 FAULT ZONE, THICK BXA SEQUENCE ENCAPSULATING SLABS TO 2' Ø OF NON-BXA, MONOLITHIC w/ MOSTLY ROUND CLASTS IN A PINKISH → YELLOW VOLCANIC CLAY MATRIX w/ VARIABLE STOCKWORK QUARTZ REPLACEMENT. PIMA →	10, 20, 30, 40, 50		5.5 – 31.0 VUGS, OPEN FRACTURES, VEIN, STOCKWORK VEINS ALL COMMON.	5.5 – 31.0 VUGS & OPEN FRACTURES LINED W/ DRUZY QUARTZ, BLADED MARC., SOME BARITE. VEINS FILLED W/ QUARTZ BLADED MARC. PYRITE & WHITE CLAY. STOCKWORK IS INTERLACED QUARTZ, PYRITE & MINOR MARC, SMALLER CLASTS IN STOCKWORK ZONES ARE SILICA REP.
31.0 – 153.5 PLANAR LAMINAR		31.0 – 153.5 LT. GREEN, CHANGING TO PINK & GREEN BANDED, FINE GRAIN VESICULAR FLOW(S) OR TUFF. VESICLE TRAINS & OCCASIONAL FLOW BANDS ARE COMMON FABRIC ALIGNMENT FEATURES. VARIABLE LAMINAR PARTINGS ALONG BED PLANES.			31.0 – 46.0 FRACTURES MINOR, LAMINAR TO X-CUTTING. 46.5 – 46.8 HEALED BXA	31.0 – 46.0 FRACTURES OFTEN FILLED W/ GREEN CLAY, PYRITE, SOME CALCITE, MINOR QUARTZ. 37.0 – 49.0 MINOR → MOD CALCITE VEINING. 46.5 – 46.8 CEMENTED W/ PYRITE & QUARTZ.

ANALYTICAL DATA

FROM	TO	W	Au	Ag	Au2	Ac
0.0	5.0					
5.0	9.0					
9.0	12.0					
12.0	14.5					
14.5	17.0					
17.0	20.0					
20.0	22.5					
22.5	25.0					
25.0	27.5					
27.5	31.1					
31.1	35.0					
35.0	40.0					
40.0	45.0					
45.0	50.0					

HOLE NUMBER D-294-98 PAGE 2 OF 5

LITH.	OX/RED.	LITHOLOGY	FT	GRAPHIC LOG	STRUCTURE	ALTERATION AND MINERALIZATION	ANALYTICAL DATA FROM	TO	W	Au	Ag	Au2
31.0 - 153.5		31.0 - 153.5			46.0 - 153.5 MOST MINERALIZED FRACTURES/VEINS ARE NEAR 90° TO FABRIC ALIGNMENT, OR AT OBLIQUE ANGLES.		50.0	55.0				
PLANAR LAMINAR		SEE DESCRIPTION PAGE 1	60		58.5 - 71.0 MOD → STRONG VEINING & OPEN FRACTURES, VUGGY BXA 59.5 - 60.0	58.5 - 71.0 FRACTURES LINED W/ DRUZY QUARTZ, BLADED MARC., PYRITE, PYRITE ON MARC., VEINS ARE QUART, PYRITE, WHITE CLAY	55.0	58.8				
							58.8	62.5				
							62.5	65.0				
							65.0	67.5				
			70				67.5	70.0				
					71.0 - 79.5 WEAK → MOD OPEN FRACTURES, VEINS	71.0 - 79.5 LINED W/ DRUZY QUARTZ, WHITE CLAY, MINOR BLADED MARC. & BARITE, VEINS FILLED W/ QUARTZ, HARD LT. GREEN CLAY, PYRITE,	70.0	75.0				
							75.0	79.0				
			80		79.5 - 81.3 HEALED BXA	79.5 - 81.3 SOME CLASTS ARGILLIC/ALT. TO WHITE CLAY, CEMENTED W/ QUARTZ, PYRITE, MINOR MARC. & SOME WHITE CLAY	79.0	81.7				
							81.7	85.0				
							85.0	87.5				
			90		88.0 - 96.0 STRONG OPEN FRACTURES, VUGS	88.0 - 96.0 VUGS & FRACTS LINED W/ DRUZY QUARTZ, BLADED MARC., MINOR WHITE CLAY, SOME THIN VEINLETS W/ QUARTZ/PY.	87.5	90.0				
							90.0	93.0				
							93.0	95.0				
					98.0 - 108.0 MOD. VEINING. SOME OPEN FRACTURES	98.0 - 108.0 OPEN FRACTS LINED W/ SAME AS 88-96, PLUS SOME BARITE. VEINS WHITE CLAY & MARC., OR QUARTZ & PYRITE.	95.0	98.0				
			100				98.0	100.0				
					98.8 - 99.0 HEALED BXA	98.8 - 99.0 CEMENTED W/ QUARTZ & PYRITE	100.0	102.8				
							102.8	105.0				
			110		108.0 - 116.5 MINOR VEINING/OPEN FRACTURES	108.0 - 116.5 VEINS ARE MOSTLY PYRITE AFTER MARC. W/MINOR WHITE CLAY.	105.0	110.0				
							110.0	113.0				
					116.5 - 125.5 MOD → STRONG VEINING, OPEN FRACTS	116.5 - 125.5 VEINS SEEM TO BE MIXED WHITE CLAY & QUARTZ, DRUZY QUARTZ, SOME BLADED MARC., LOCALIZED BARITE.	113.0	116.5				
			120				116.5	120.0				

HOLE NUMBER D-294-98 PAGE 3 OF 5

LITH.	OX/RED.	LITHOLOGY	FT	GRAPHIC LOG	STRUCTURE	ALTERATION AND MINERALIZATION
31.0 – 153.5 PLANAR LAMINAR		31.0 – 153.5 SEE DESCRIPTION PAGE 1 129.9 – 142.0 FAULT BXA, HEALED, COMPOSED OF MOSTLY ROUND, SOME SUB ANGULAR, VESICULAR PLANAR CLASTS. PIMA →	130 140 150		129.9 – 142.0 OPEN FRACTS & VUGS. 152.3 – 153.5 HEALED BXA POSSIBLE FAULT 153.5 CONTACT SHARP.	129.9 – 142.0 CEMENTED W/ STOCKWORK QUARTZ & HARD LT. GRN CLAY, BLADED MARC., OPEN FRACTURES & VUGS LINED W/ DRUZY QUARTZ, MINOR BLADED MARC., SOME WHITE CLAY, SOME PYRITE COATING MARC. 152.3-153.5 CEMENTED W/ PYRITE, HARD GREEN CLAY, WHITE CLAY, MINOR MARC.
153.5 – 165.0 FINE GRAIN MASSIVE		153.5 – 165.0 GREEN → LT GREEN VERY FINE GRAIN, FLOW OR TUFF. FLATTENED VESICLES ARE NOW BAND-LIKE FABRIC ALIGNMENTS, FAINT DEVIT. FRACTURES.	160		158.5 – 164.5 STRONG OPEN FRACTURES & VUGS, SOMETIMES FILLING BXA'S TO 3". 165.0 GRADATIONAL CONTACT	158.5 – 164.5 FRACTURES / VUGS LINED / FILLED W/ WHITE CLAY, BLADED MARC, MINOR DRUZY QUARTZ.
165.0 – 189.0 VITROPHIRE		165.0 – 189.0 GREEN, EXTREMLY FINE GRAIN, DESICACTION / DEVIT. FRACTURES RESEMBLE CRACKED GLASS.	170 180 190		167.5 – 176.0 STRONG VUG FORMATION & OPEN FRACTURES 173.0 – 175.0 HEALED BXA 176.0 – 189.0 STRONG VEINING, MOD. OPEN FRACTURES. 189.0 CONTACT IS PROBABLE FAULT.	167.5 – 176.0 VUGS & OPEN FRACTURES LINED W/ BARITE, BLADED MARC., DRUZY QUARTZ, WHITE CLAY MIXED W/ QUARTZ, 173.0 – 175.0 CEMENTED W/ QUARTZ, MARC., BARITE, WHITE CLAY 176.0 – 189.0 VEINS FILLED W/ QUARTZ, MARC., PYRITE, OPEN FRACTS LINED W/ DRUZY QUARTZ, PYRITE & PYRITE ON/AFTER MARC. VEINS SEEM TO HAVE PREFERRED ORIENTATION
189.0 – 211.1 F.G. MASSIVE		189.0 – 211.1				

ANALYTICAL DATA

FROM	TO	W	Au	Ag	Au2
120.0	123.0				
123.0	126.5				
126.5	130.0				
130.0	132.5				
132.5	135.0				
135.0	138.0				
138.0	140.0				
140.0	142.2				
142.2	145.0				
145.0	150.0				
150.0	153.5				
153.5	155.0				
155.0	158.0				
158.0	160.0				
160.0	163.0				
163.0	165.0				
165.0	167.5				
167.5	170.0				
170.0	172.3				
172.3	175.0				
175.0	177.0				
177.0	180.0				
180.0	185.0				
185.0	189.0				

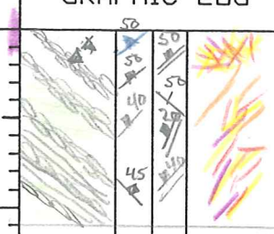
HOLE NUMBER D-294-98 PAGE 4 OF 5

LITH.	OX/RED.	LITHOLOGY	FT	GRAPHIC LOG	STRUCTURE	ALTERATION AND MINERALIZATION
189.0 FINE GRAIN MASSIVE	211.1	189.0 – 211.1 GREEN → PINKISH-GREEN VERY FINE GRAIN → FINE GRAIN, HEALED BXA'S COMMON, ANGULAR FRAGS, CLAST SUPPORTED, MAYBE AUTO BXA W/ LATER STAGE INFLUX OF MINERALIZED VEINS DUE TO STRUCTURAL WEAKNESS. RARE FLOW BANDS 190.7 – 191.7 VITROPHYRE-LIKE CHILLED MARGIN? 209.0 – 210.5 VITROPHYRE-LIKE CHILLED MARGIN?	200 210		189.0 – 190.7 HEALED BXA, HETEROLITHIC. 189.0 – 207.0 MOD. OPEN FRACTURES, WEAK → MOD VEINING, OPEN FRACTS. 197.0 – 200.0 & 207.0 – 209.0 BXA'S MAYBE AUTOBXA'S, OR OLDER PRE-MIN BXA'S.	189.0 – 190.7 ROUND CLASTS OF VITRO., RL. & FG. MASS., CLAST SUPPORTED, OLDER FAULT. 189.0 – 207.0 VEINS FILLED W/ MARC., QUARTZ & PYRITE. OPEN FRACTS LINED W/ DRUZY QUARTZ, BLADED MARC, CRUSTY PYRITE, LOCALIZED BARITE
211.1 – 242.5 PLANAR LAMINAR		211.1 – 229.0 GREEN CHANGING TO PINKISH AFTE 215', FLOW(S) OR TUFFS W/ COMMON BANDING & LAMINAR PARTINGS ALONG PLANAR FEATURES. SOME VESICLE TRAINS NOT COMPLETELY FLATTENED TO BANDS. 229.0 – 242.5 SAME AS 211.1-229.0 EXCEPT BANDS ARE NOW VESICLE TRAINS, MOST LAMINAR PARTINGS ARE NO LONGER OBSERVED. PIMA →	220 230 240		222.3 – 230.0 STRONG VEINING & FRACTURE FILLING. 233.0 – 252.0 MOD → STRONG VEINING, OPEN FRACTURES, VUGS.	222.3 – 230.0 FRACTURES LINED/FILLED W/ DRUZY QUARTZ, BLADED MARC., SOME QUARTZ AFTER MARC, WHITE CLAY, MINOR PYRITE 233.0 – 252.0 VEINS FILLED W/ QUARTZ, HARD WHITE CLAY, PYRITE, VUGS/FRACTS LINED W/ DRUZY QUARTZ BLADED MARC., WHITE CLAY, LOCALIZED BARITE.
242.5 – 245.5 SPOTTED TUFF		242.5 – 245.5 SPOTTED TUFF IS CLOSE TO PINCHING OUT.			242.5 / 245.5 GRADATIONAL CONTACTS	
245.5 – 271.0 PLANAR LAMINAR		245.5 – 271.0 CONTINUATION OF FINE GRAIN PINKISH FLOW(S)/TUFFS DESCRIBED 229.0 – 242.5. SOME LAMINAR PARTINGS 256.0 – 260.0.	250 260		253.3 – 253.6 WEAKLY HEALED BXA, VUGGY	253.3 – 253.6 CEMENTED W/ VUGS LINED W/ QUARTZ, COMMON BLADED MARC., WHITE CLAY

ANALYTICAL DATA

FROM	TO	W	Au	Ag	Au2
189.0	192.1				
192.1	195.0				
195.0	200.0				
200.0	205.0				
205.0	208.7				
208.7	211.1				
211.1	216.0				
216.0	221.0				
221.0	223.5				
223.5	226.0				
226.0	228.5				
228.5	231.0				
231.0	236.0				
236.0	239.0				
239.0	242.5				
242.5	246.0				
246.0	248.5				
248.5	253.5				
253.5	255.2				
255.2	259.5				

HOLE NUMBER D-294-98 PAGE 5 OF 5

LITH.	OX/RED.	LITHOLOGY	FT	GRAPHIC LOG	STRUCTURE	ALTERATION AND MINERALIZATION
245.5-271.0 PLANAR LAMINAR		245.5-271.0 SEE DESCRIPTION PAGE 4 263-271 COLOR CHANGING FROM PINKISH TO GREEN T.D. 271.0'	271		259.5-271.0 MOD → STRONG VEINING, OPEN FRACTURES, SOME VUGS. 259.5-260.5 HEALED BXA, ROUND CLASTS.	259.5-271.0 VEINS FILLED W/ QUARTZ, PYRITE HARD LT. GRN CLAY, SPMC MARC., OPEN FRACTS & VUGS LINED W/ DRUZY QUARTZ, BLADED MARC., BARITE, WHITE CLAY 259.5-260.5 CEMENTED W/ STOCKWORK QUARTZ, BARITE, QUARTZ AFTER MARC.

ANALYTICAL DATA					
FROM	TO	W	Au	Ag	Au2
259.5	261.0				
261.0	264.0				
264.0	266.0				
266.0	268.5				
268.5	271.0				

HECLA MINING COMPANY – ROSEBUD PROJECT
GEOTECHNICAL DRILL LOG

HOLE # D-294-98 DATE: 10/7/98 LOGGED BY: ALLYN NILES PAGE 1 OF 5

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)
0.0	5.0	74.0	96.0	40.0										
5.0	7.0	120.0	120.0	85.0										
7.0	12.0	92.0	92.0	80.0										
12.0	17.0	100.0	100.0	96.0										
17.0	20.0	113.3	113.3	40.0										
20.0	25.0	100.0	100.0	72.0										
25.0	30.0	96.0	96.0	54.0										
30.0	35.0	60.0	94.0	26.0										
35.0	40.0	74.0	100.0	42.0										
40.0	45.0	100.0	100.0	64.0										
45.0	50.0	100.0	100.0	54.0										

HECLA MINING COMPANY – ROSEBUD PROJECT
GEOTECHNICAL DRILL LOG

HOLE # D-294-98 DATE: LOGGED BY: PAGE 2 OF 5

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)
50.0	55.0	96.0	96.0	76.0										
55.0	60.0	100.0	100.0	54.0										
60.0	65.0	88.0	94.0	74.0										
65.0	70.0	100.0	100.0	68.0										
70.0	75.0	100.0	100.0	80.0										
75.0	80.0	100.0	100.0	96.0										
80.0	85.0	100.0	100.0	74.0										
85.0	90.0	94.0	94.0	76.0										
90.0	95.0	96.0	96.0	50.0										
95.0	100.0	98.0	98.0	80.0										
100.0	105.0	52.0	96.0	36.0										

HECLA MINING COMPANY – ROSEBUD PROJECT
GEOTECHNICAL DRILL LOG

HOLE # D-294-98 DATE: 10/8/98 LOGGED BY: _____ PAGE 3 OF 5

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)
105.0	110.0	100.0	100.0	90.0										
110.0	115.0	100.0	100.0	96.0										
115.0	120.0	98.0	98.0	92.0										
120.0	125.0	100.0	100.0	94.0										
125.0	130.0	100.0	100.0	98.0										
130.0	135.0	100.0	100.0	84.0										
135.0	140.0	98.0	98.0	80.0										
140.0	145.0	100.0	100.0	84.0										
145.0	150.0	100.0	100.0	68.0										
150.0	155.0	100.0	100.0	54.0										
155.0	160.0	100.0	100.0	52.0										

HECLA MINING COMPANY – ROSEBUD PROJECT
GEOTECHNICAL DRILL LOG

HOLE # D-294-98 DATE: 10/8/98 LOGGED BY: _____ PAGE 4 OF 5

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)
160.0	165.0	98.0	100.0	64.0										
165.0	170.0	100.0	100.0	92.0										
170.0	175.0	96.0	96.0	80.0										
175.0	180.0	100.0	100.0	100.0										
180.0	185.0	104.0	104.0	86.0										
185.0	190.0	100.0	100.0	86.0										
190.0	195.0	100.0	100.0	82.0										
195.0	200.0	104.0	104.0	86.0										
200.0	205.0	100.0	100.0	80.0										
205.0	210.5	95.0	95.0	82.0										
210.5	216.0	68.0	95.0	9.0										

HECLA MINING COMPANY – ROSEBUD PROJECT
GEOTECHNICAL DRILL LOG

HOLE # D-294-98 DATE: 10/8/98 LOGGED BY: ALLYN NILES. PAGE 5 OF 5

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
216.0	221.0	90.0	96.0	0										
221.0	226.0	96.0	96.0	46.0										
226.0	231.0	94.0	100.0	40.0										
231.0	236.0	100.0	100.0	80.0										
236.0	241.0	96.0	100.0	56.0										
241.0	246.0	100.0	100.0	80.0										
246.0	251.0	100.0	100.0	96.0										
251.0	256.0	100.0	100.0	72.0										
256.0	261.0	100.0	100.0	46.0										
261.0	266.0	92.0	92.0	76.0										
266.0	271.0	100.0	100.0	68.0										

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 89431-5902

(702) 356-0606

INVOICE NO: SP_0051206-IN
INVOICE DATE: 11/17/98

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-294-98	DEVELOPMENT	NET 30 - DUE IN U.S. DOLLARS

QUANTITY	DESCRIPTION	PRICE	AMOUNT
86	SAMPLES RECEIVED	.00	.00
85	JAW CRUSHING CHARGE	2.60	221.00
85	COARSE MILLING CHARGE	6.80	578.00
85	SPLITTING CHARGE	2.40	204.00
85	RING MILLING CHARGE	2.00	170.00
86	Au (1 A.T. FIRE ASSAY)	8.00	688.00
42	Au ANALYSES/GRAVIMETRIC	8.75	367.50
86	HYDROCHLORIC/NITRIC DIGESTION	2.00	172.00
86	Ag ANALYSES	1.00	86.00
2	Ag (ore grade) ANALYSES	5.00	10.00

86-5110-477
OA

NET INVOICE:	2,496.50
LESS DISCOUNT:	499.30
FREIGHT:	.00
INVOICE TOTAL:	1,997.20

xAMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP051206

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-294-98 RECEIVED : 21 OCT 1998

No. SAMPLES : 86 REPORTED : 12 NOV 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 SP051206

American Assay Laboratories

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-294-98

REPORTED : 12 NOV 1998

SAMPLES	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	AuGRAV GRAV OPT	Ag(OZ) D210 OPT
D-294-98 0-5	0.002			0.02
D-294-98 5-9	0.060		0.048	0.11
D-294-98 9-12	0.019			0.05
D-294-98 12.0-14.5	0.088		0.090	0.17
D-294-98 14.5-17.0	0.005			0.05
D-294-98 17-20	0.006			0.07
D-294-98 20.0-22.5	0.006			0.08
D-294-98 22.5-25.0	0.007			0.06
D-294-98 25.0-27.5	0.003			0.06
D-294-98 27.5-31.1	0.010			0.22
D-294-98 31.1-35.0	0.004			0.02
D-294-98 35-40	0.006			<0.02
D-294-98 40-45	<0.001			<0.02
D-294-98 45-50	0.029			0.04
D-294-98 50-55	0.003			0.05
D-294-98 55.0-58.8	0.042			0.10
D-294-98 58.8-62.5	0.469	0.747		0.84
D-294-98 62.5-65.0	0.550	1.027		2.11
D-294-98 65.0-67.5	0.029			0.15
D-294-98 67.5-70.0	0.272		0.323	0.33
D-294-98 70-75	0.324		0.306	0.75
D-294-98 75-79	0.029			0.08
D-294-98 79.0-81.7	0.083		0.076	0.22
D-294-98 81.7-85.0	0.014			0.05
D-294-98 85.0-87.5	0.002			0.04

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP051206

American Assay Laboratories

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-294-98

REPORTED : 12 NOV 1998

SAMPLES	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	AuGRAV GRAV OPT	Ag(OZ) D210 OPT
D-294-98 87.5-90.0	0.108		0.152	0.45
D-294-98 90-93	0.017			0.08
D-294-98 93-95	0.028			0.14
D-294-98 95-98	0.006			0.09
D-294-98 98-100	0.089	0.104		0.11
D-294-98 100.0-102.8	0.012			0.09
D-294-98 102.8-105.0	0.088		0.097	0.22
D-294-98 105-110	0.174		0.131	0.12
D-294-98 110-113	0.079		0.058	0.11
D-294-98 113.0-116.5	0.210		0.187	0.14
D-294-98 116.5-120.0	0.703		0.944	0.79
D-294-98 120-123	0.049			0.10
D-294-98 123.0-126.5	0.427		0.541	1.43
D-294-98 126.5-130.0	0.147		0.135	0.11
D-294-98 130.0-132.5	0.518		0.691	0.31
D-294-98 132.5-135.0	0.579		0.723	0.34
D-294-98 135-138	0.225	0.477		0.45
D-294-98 138-140	0.155		0.208	1.50
D-294-98 140.0-142.2	0.307		0.501	0.30
D-294-98 142.2-145	0.081		0.141	0.10
D-294-98 145-150	0.062		0.130	0.11
D-294-98 150.0-153.5	0.148		0.159	0.65
D-294-98 153.5-155.0	0.277		0.212	0.49
D-294-98 155-158	0.145		0.181	0.11
D-294-98 158-160	0.217			0.88

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP051206

American Assay Laboratories

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-294-98

REPORTED : 12 NOV 1998

SAMPLES	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	AuGRAV GRAV OPT	Ag(OZ) D210 OPT
D-294-98 160-163	0.411		0.490	0.47
D-294-98 163-165	0.095		0.101	0.08
D-294-98 165.0-167.5	0.020			0.07
D-294-98 167.5-170.0	0.025			0.12
D-294-98 170.0-172.3	0.293		0.300	0.14
D-294-98 172.3-175.0	0.085	0.081		0.31
D-294-98 175-177	0.113		0.102	0.14
D-294-98 177-180	0.014			0.06
D-294-98 180-185	0.042			0.05
D-294-98 185-189	0.048			0.37
D-294-98 189.0-192.1	0.042			0.08
D-294-98 192.1-195.0	0.016			0.10
D-294-98 195-200	0.082		0.123	0.13
D-294-98 200-205	0.064		0.098	0.12
D-294-98 205.0-208.7	0.056	0.112		0.10
D-294-98 208.7-211.1	0.029			0.12
D-294-98 211.1-216.0	0.016			0.05
D-294-98 216-221	0.010			0.05
D-294-98 221.0-223.5	0.044			0.10
D-294-98 223.5-226.0	0.064		0.098	0.21
D-294-98 226.0-228.5	0.058		0.063	0.14
D-294-98 228.5-231.0	0.067		0.108	0.15
D-294-98 231-236	0.023			0.10
D-294-98 236-239	0.166		0.139	0.20
D-294-98 239.0-242.5	0.150		0.205	0.35

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP051206

American Assay Laboratories

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-294-98

REPORTED : 12 NOV 1998

SAMPLES	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	AuGRAV GRAV OPT	Ag(OZ) D210 OPT
D-294-98 242.5-246.0	0.067		0.084	0.13
D-294-98 246.0-248.5	0.074		0.081	0.13
D-294-98 248.5-253.5	0.112		0.122	0.15
D-294-98 253.5-255.2	0.345		0.340	0.32
D-294-98 255.2-259.5	0.005	0.005		0.05
D-294-98 259.5-261.0	0.185		0.206	0.30
D-294-98 261-264	0.081		0.131	0.13
D-294-98 264-266	0.117	0.125	0.189	0.26
D-294-98 266.0-268.5	0.116		0.147	0.33
D-294-98 268.5-271.0	0.073		0.104	0.21
43563	0.114			2.86

AMERICAN ASSAY LABORATORIES
ANALYSIS REPORT SP051206

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-294-98 RECEIVED : 21 OCT 1998

No. SAMPLES : 86 REPORTED : 12 NOV 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 SP051206

American Assay Laboratories

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-294-98

REPORTED : 12 NOV 1998

SAMPLES	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	AuGRAV GRAV OPT	Ag(OZ) D210 OPT
D-294-98 0-5	0.002			0.02
D-294-98 5-9	0.060		0.048	0.11
D-294-98 9-12	0.019			0.05
D-294-98 12.0-14.5	0.088		0.090	0.17
D-294-98 14.5-17.0	0.005			0.05
D-294-98 17-20	0.006			0.07
D-294-98 20.0-22.5	0.006			0.08
D-294-98 22.5-25.0	0.007			0.06
D-294-98 25.0-27.5	0.003			0.06
D-294-98 27.5-31.1	0.010			0.22
D-294-98 31.1-35.0	0.004			0.02
D-294-98 35-40	0.006			<0.02
D-294-98 40-45	<0.001			<0.02
D-294-98 45-50	0.029			0.04
D-294-98 50-55	0.003			0.05
D-294-98 55.0-58.8	0.042			0.10
D-294-98 58.8-62.5	0.469	0.747		0.84
D-294-98 62.5-65.0	0.550	1.027		2.11
D-294-98 65.0-67.5	0.029			0.15
D-294-98 67.5-70.0	0.272		0.323	0.33
D-294-98 70-75	0.324		0.306	0.75
D-294-98 75-79	0.029			0.08
D-294-98 79.0-81.7	0.083		0.076	0.22
D-294-98 81.7-85.0	0.014			0.05
D-294-98 85.0-87.5	0.002			0.04

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP051206

American Assay Laboratories

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-294-98

REPORTED : 12 NOV 1998

SAMPLES	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	AuGRAV GRAV OPT	Ag(OZ) D210 OPT
D-294-98 87.5-90.0	0.108		0.152	0.45
D-294-98 90-93	0.017			0.08
D-294-98 93-95	0.028			0.14
D-294-98 95-98	0.006			0.09
D-294-98 98-100	0.089	0.104		0.11
D-294-98 100.0-102.8	0.012			0.09
D-294-98 102.8-105.0	0.088		0.097	0.22
D-294-98 105-110	0.174		0.131	0.12
D-294-98 110-113	0.079		0.058	0.11
D-294-98 113.0-116.5	0.210		0.187	0.14
D-294-98 116.5-120.0	0.703		0.944	0.79
D-294-98 120-123	0.049			0.10
D-294-98 123.0-126.5	0.427		0.541	1.43
D-294-98 126.5-130.0	0.147		0.135	0.11
D-294-98 130.0-132.5	0.518		0.691	0.31
D-294-98 132.5-135.0	0.579		0.723	0.34
D-294-98 135-138	0.225	0.477		0.45
D-294-98 138-140	0.155		0.208	1.50
D-294-98 140.0-142.2	0.307		0.501	0.30
D-294-98 142.2-145	0.081		0.141	0.10
D-294-98 145-150	0.062		0.130	0.11
D-294-98 150.0-153.5	0.148		0.159	0.65
D-294-98 153.5-155.0	0.277		0.212	0.49
D-294-98 155-158	0.145		0.181	0.11
D-294-98 158-160	0.217			0.88

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP051206

American Assay Laboratories

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-294-98

REPORTED : 12 NOV 1998

SAMPLES	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	AuGRAV GRAV OPT	Ag(OZ) D210 OPT
D-294-98 160-163	0.411		0.490	0.47
D-294-98 163-165	0.095		0.101	0.08
D-294-98 165.0-167.5	0.020			0.07
D-294-98 167.5-170.0	0.025			0.12
D-294-98 170.0-172.3	0.293		0.300	0.14
D-294-98 172.3-175.0	0.085	0.081		0.31
D-294-98 175-177	0.113		0.102	0.14
D-294-98 177-180	0.014			0.06
D-294-98 180-185	0.042			0.05
D-294-98 185-189	0.048			0.37
D-294-98 189.0-192.1	0.042			0.08
D-294-98 192.1-195.0	0.016			0.10
D-294-98 195-200	0.082		0.123	0.13
D-294-98 200-205	0.064		0.098	0.12
D-294-98 205.0-208.7	0.056	0.112		0.10
D-294-98 208.7-211.1	0.029			0.12
D-294-98 211.1-216.0	0.016			0.05
D-294-98 216-221	0.010			0.05
D-294-98 221.0-223.5	0.044			0.10
D-294-98 223.5-226.0	0.064		0.098	0.21
D-294-98 226.0-228.5	0.058		0.063	0.14
D-294-98 228.5-231.0	0.067		0.108	0.15
D-294-98 231-236	0.023			0.10
D-294-98 236-239	0.166		0.139	0.20
D-294-98 239.0-242.5	0.150		0.205	0.35

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP051206

American Assay Laboratories

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-294-98

REPORTED : 12 NOV 1998

SAMPLES	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	AuGRAV GRAV OPT	Ag(OZ) D210 OPT
D-294-98 242.5-246.0	0.067		0.084	0.13
D-294-98 246.0-248.5	0.074		0.081	0.13
D-294-98 248.5-253.5	0.112		0.122	0.15
D-294-98 253.5-255.2	0.345		0.340	0.32
D-294-98 255.2-259.5	0.005	0.005		0.05
D-294-98 259.5-261.0	0.185		0.206	0.30
D-294-98 261-264	0.081		0.131	0.13
D-294-98 264-266	0.117	0.125	0.189	0.26
D-294-98 266.0-268.5	0.116		0.147	0.33
D-294-98 268.5-271.0	0.073		0.104	0.21
43563	0.114			2.86

AMERICAN ASSAY LABORATORIES

PROVISIONAL REPORT SP05120

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HECLA MINING COMPANY

COPIES TO : KURT ALLEN

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CLIENT REFERENCE No: D-294-98 RECEIVED : 21 OCT 1998

No. SAMPLES : 86 REPORTED : 12 NOV 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%	PT	0.001
Au(RZ)	FA30	15%	PT	0.001
AuGRAV	GRAV	15%	PT	0.001
Ag(OZ)	D210	10%	PT	0.02

SIGNATORY : Susan King M.S.

AMERICAN ASSAY LABORATORIES

PROVISIONAL REPORT SP051206

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-294-98

REPORTED : 12 NOV 1998

SAMPLES	Au(OZ)	Au(RZ)	AuGRAV	Ag(OZ)	
D-294-98 0-5	0.002			0.02	
D-294-98 5-9	0.060		0.048	0.11	
D-294-98 9-12	0.019			0.05	
D-294-98 12.0-14.5	0.088		0.090	0.17	
D-294-98 14.5-17.0	0.005			0.05	
D-294-98 17-20	0.006			0.07	
D-294-98 20.0-22.5	0.006			0.08	
D-294-98 22.5-25.0	0.007			0.06	
D-294-98 25.0-27.5	0.003			0.06	
D-294-98 27.5-31.1	0.010			0.22	
D-294-98 31.1-35.0	0.004			0.02	
D-294-98 35-40	0.006			<0.02	
D-294-98 40-45	<0.001			<0.02	
D-294-98 45-50	0.029			0.04	
D-294-98 50-55	0.003			0.05	58.8-75' =
D-294-98 55.0-58.8	0.042			0.10	16.2' @
D-294-98 58.8-62.5 3.7	0.469	0.747		0.84	
D-294-98 62.5-65.0 2.5	0.550	1.027		2.11	0.338 Au
D-294-98 65.0-67.5 2.5	0.029			0.15	0.823 Ag
D-294-98 67.5-70.0 2.5	0.272		0.323	0.33	
D-294-98 70-75 5	0.324		0.306	0.75	
D-294-98 75-79	0.029			0.08	
D-294-98 79.0-81.7	0.083		0.076	0.22	
D-294-98 81.7-85.0	0.014			0.05	
D-294-98 85.0-87.5	0.002			0.04	

AMERICAN ASSAY LABORATORIES

PROVISIONAL REPORT SP051206

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-294-98

REPORTED : 12 NOV 1998

SAMPLES	Au(OZ)	Au(RZ)	AuGRAV	Ag(OZ)	
D-294-98 87.5-90.0	0.108		0.152	0.45	
D-294-98 90-93	0.017			0.08	
D-294-98 93-95	0.028			0.14	
D-294-98 95-98	0.006			0.09	
D-294-98 98-100	0.089	0.104		0.11	
D-294-98 100.0-102.8	0.012			0.09	105-163 =
D-294-98 102.8-105.0	0.088		0.097	0.22	58' @
D-294-98 105-110 5	0.174		0.131	0.12	
D-294-98 110-113 3	0.079		0.058	0.11	
D-294-98 113.0-116.5 3.5	0.210		0.187	0.14	0.249 Au,
D-294-98 116.5-120.0 3.5	0.703		0.944	0.79	0.41 Ag
D-294-98 120-123 3	0.049			0.10	
D-294-98 123.0-126.5 3.5	0.427		0.541	1.43	
D-294-98 126.5-130.0 3.5	0.147		0.135	0.11	
D-294-98 130.0-132.5 2.5	0.518		0.691	0.31	
D-294-98 132.5-135.0 2.5	0.579		0.723	0.34	
D-294-98 135-138 3	0.225	0.477		0.45	
D-294-98 138-140 2	0.155		0.208	1.50	
D-294-98 140.0-142.2 2.2	0.307		0.501	0.30	
D-294-98 142.2-145 2.8	0.081		0.141	0.10	
D-294-98 145-150 5	0.062		0.130	0.11	
D-294-98 150.0-153.5 3.5	0.148		0.159	0.65	
D-294-98 153.5-155.0 1.5	0.277		0.212	0.49	
D-294-98 155-158 3	0.145		0.181	0.11	
D-294-98 158-160 2	0.217			0.88	

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AMERICAN ASSAY LABORATORIES

PROVISIONAL REPORT SP051206

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-294-98

REPORTED : 12 NOV 1998

SAMPLES	Au(OZ)	Au(RZ)	AuGRAV	Ag(OZ)
D-294-98 160-163 3	0.411		0.490	0.47
D-294-98 163-165	0.095		0.101	0.08
D-294-98 165.0-167.5	0.020			0.07
D-294-98 167.5-170.0	0.025			0.12
D-294-98 170.0-172.3	0.293		0.300	0.14
D-294-98 172.3-175.0	0.085	0.081		0.31
D-294-98 175-177	0.113		0.102	0.14
D-294-98 177-180	0.014			0.06
D-294-98 180-185	0.042			0.05
D-294-98 185-189	0.048			0.37
D-294-98 189.0-192.1	0.042			0.08
D-294-98 192.1-195.0	0.016			0.10
D-294-98 195-200	0.082		0.123	0.13
D-294-98 200-205	0.064		0.098	0.12
D-294-98 205.0-208.7	0.056	0.112		0.10
D-294-98 208.7-211.1	0.029			0.12
D-294-98 211.1-216.0	0.016			0.05
D-294-98 216-221	0.010			0.05
D-294-98 221.0-223.5	0.044			0.10
D-294-98 223.5-226.0	0.064		0.098	0.21
D-294-98 226.0-228.5	0.058		0.063	0.14
D-294-98 228.5-231.0	0.067		0.108	0.15
D-294-98 231-236	0.023			0.10
D-294-98 236-239	0.166		0.139	0.20
D-294-98 239.0-242.5	0.150		0.205	0.35

AMERICAN ASSAY LABORATORIES

PROVISIONAL REPORT SP051206

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-294-98

REPORTED : 12 NOV 1998

SAMPLES	Au(OZ)	Au(RZ)	AuGRAV	Ag(OZ)
D-294-98 242.5-246.0	0.067		0.084	0.13
D-294-98 246.0-248.5	0.074		0.081	0.13
D-294-98 248.5-253.5	0.112		0.122	0.15
D-294-98 253.5-255.2	0.345		0.340	0.32
D-294-98 255.2-259.5	0.005	0.005		0.05
D-294-98 259.5-261.0	0.185		0.206	0.30
D-294-98 261-264	0.081		0.131	0.13
D-294-98 264-266	0.117	0.125	0.189	0.26
D-294-98 266.0-268.5	0.116		0.147	0.33
D-294-98 268.5-271.0	0.073		0.104	0.21
43563	0.114			2.86

SP

SUBMITTAL FORM

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Santiago, Chile
Mendoza, Argentina

Company: ROSEBUD MINING LLC

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: 10/19/98 Number of Samples: 85

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

AU-AG ACCORDING TO ROSEBUD MINE PROTOCOL

D-294-98 SAMPLE IDENTIFICATION				TYPE	ELEMENTS REQUIRED	
0-5	58.8-62.5	102.8-105	150-153.5		192.1-195	246-248.5
5-9	62.5-65	105-110	153.5-155		195-200	248.5-253.5
9-12	65-67.5	110-113	155-158		200-205	253.5-255.2
12-14.5	67.5-70	113-116.5	158-160		205-208.7	255.2-259.5
14.5-17	70-75	116.5-120	160-163		208.7-211.1	259.5-261
17-20	75-79	120-123	163-165		211.1-216	261-264
20-22.5	79-81.7	123-126.5	165-167.5		216-221	264-266
~~22.5-27.5~~	81.7-85	126.5-130	167.5-170		221-223.5	266-268.5
27.5-31.1	85-87.5	130-132.5	170-172.3		223.5-226	268.5-271
31.1-35	87.5-90	132.5-135	172.3-175		226-228.5	
35-40	90-93	135-138	175-177		228.5-231	22.5-25
40-45	93-95	138-140	177-180		231-236	25-27.5
45-50	95-98	140-142.2	180-185		236-239	
50-55	98-100	142.2-145	185-189		239-242.5	
55-58.8	100-102.8	145-150	189-192.1		242.5-246	

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

sults to:

KURT ALLEN

Comments:

CLIENT FILE COPY

D-294-98	40	23	126.2
	120	23	126.2
	250	22	125.7

D - 294 - 98 BOX 2
DEPTH 9 - 19

D - 294 - 98 BOX 1
DEPTH 0 - 9

D - 294 - 98 BOX 3
DEPTH 19 - 28

40
45
D - 294 - 98 BOX 5
DEPTH 37_5 - 46

35
30
D - 294 - 98 BOX 4
DEPTH 28 - 37_5

50
55
D - 294 - 98 BOX 6
DEPTH 46 - 55_5

D- 294 - 98 BOX 8
DEPTH 64_5 - 73_5
65
70

D- 294 - 98 BOX 7
DEPTH 55_5 - 64_5
60

D- 294 - 98 BOX 9
DEPTH 73_5 - 82
75
80

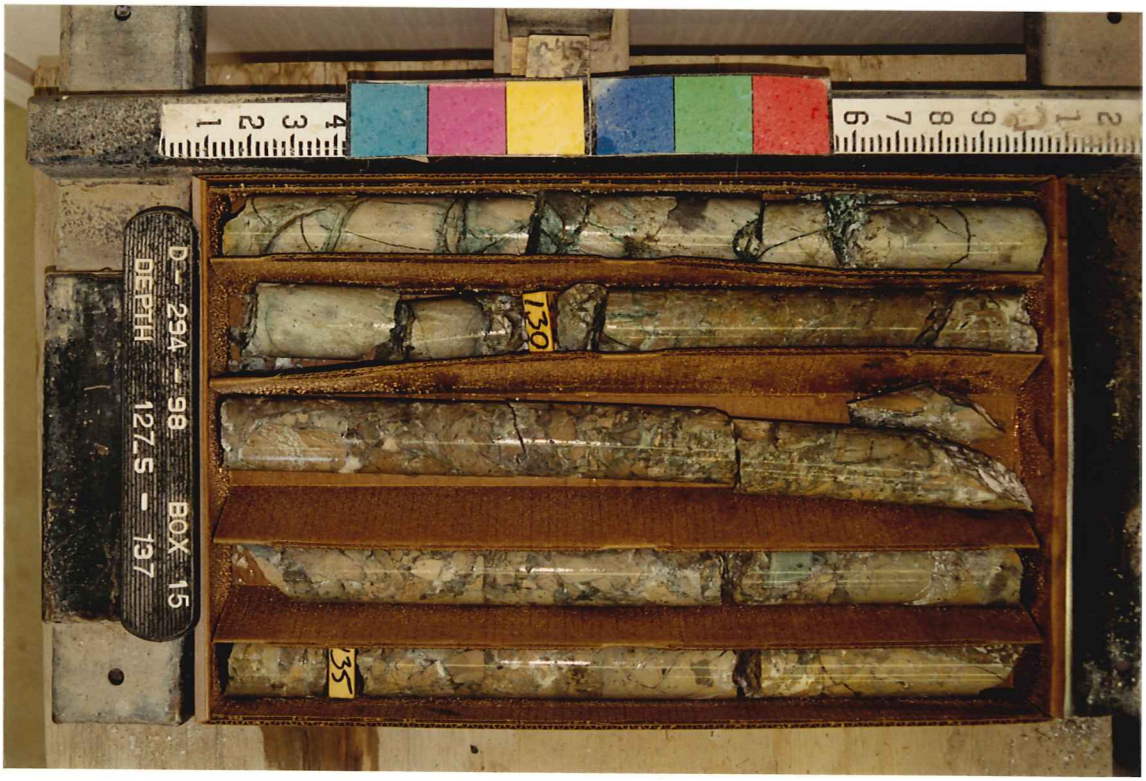
100
95
95
D - 294 - 98 BOX 11
DEPTH 91 - 100

85
90
D - 294 - 98 BOX 10
DEPTH 82 - 91

D - 294 - 98 BOX 12
DEPTH 100 - 109.5

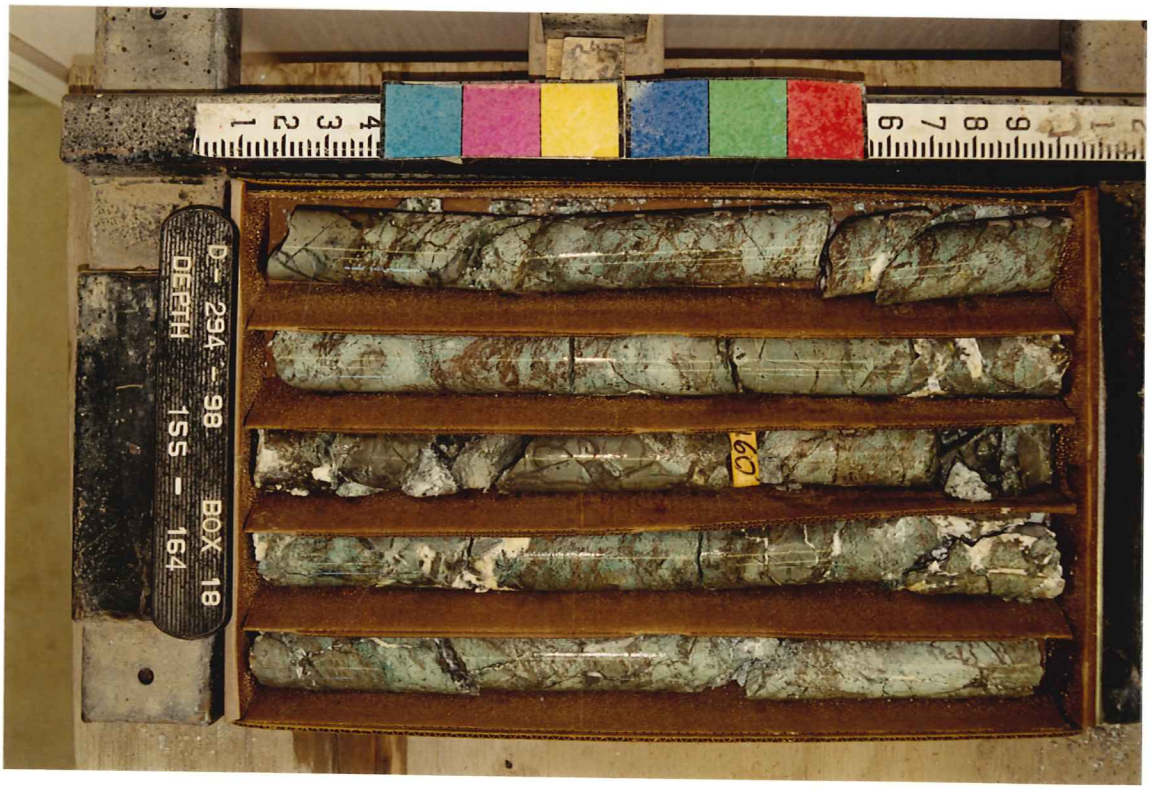
120
125
D- 294 - 98 BOX 14
DEPTH 118_5 - 127_5

110
115
D- 294 - 98 BOX 13
DEPTH 109_5 - 118_5


130
135
D- 294 - 98 BOX 15
DEPTH 127_5 - 137

D - 294 - 98 BOX 17
DEPTH 146 - 155
150
155

D - 294 - 98 BOX 16
DEPTH 137 - 146
140
145


D - 294 - 98 BOX 18
DEPTH 155 - 164
160

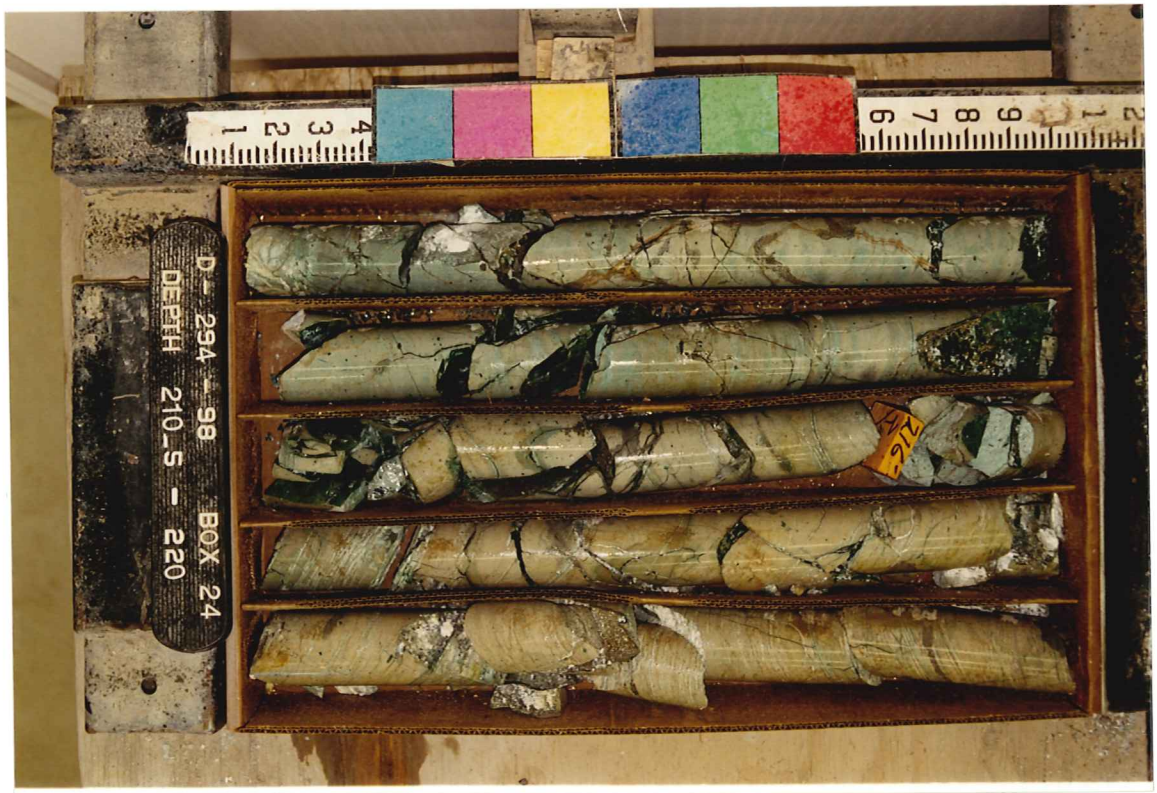
175
180
D - 294 - 98 BOX 20
DEPTH 174 - 183.5

165
170
D - 294 - 98 BOX 19
DEPTH 164 - 174

190
D - 294 - 98 BOX 21
DEPTH 183.5 - 192

D - 294 - 98 BOX 23
DEPTH 201 - 210_5
205
210.5

D - 294 - 98 BOX 22
DEPTH 192 - 201
195
200


D - 294 - 98 BOX 24
DEPTH 210_5 - 220
216

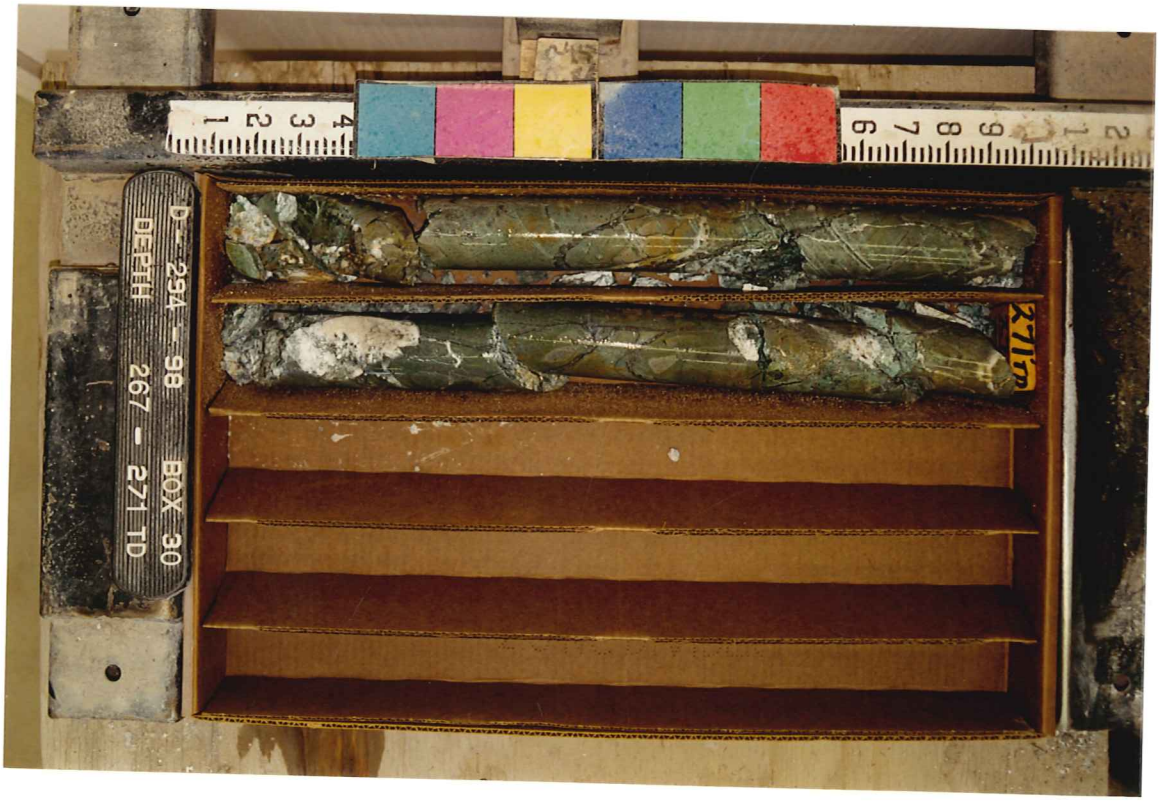
231
236
D - 294 - 98 BOX 26
DEPTH 229_5 - 239

226
221
D - 294 - 98 BOX 25
DEPTH 220 - 229_5

241
246
D - 294 - 98 BOX 27
DEPTH 239 - 248_5

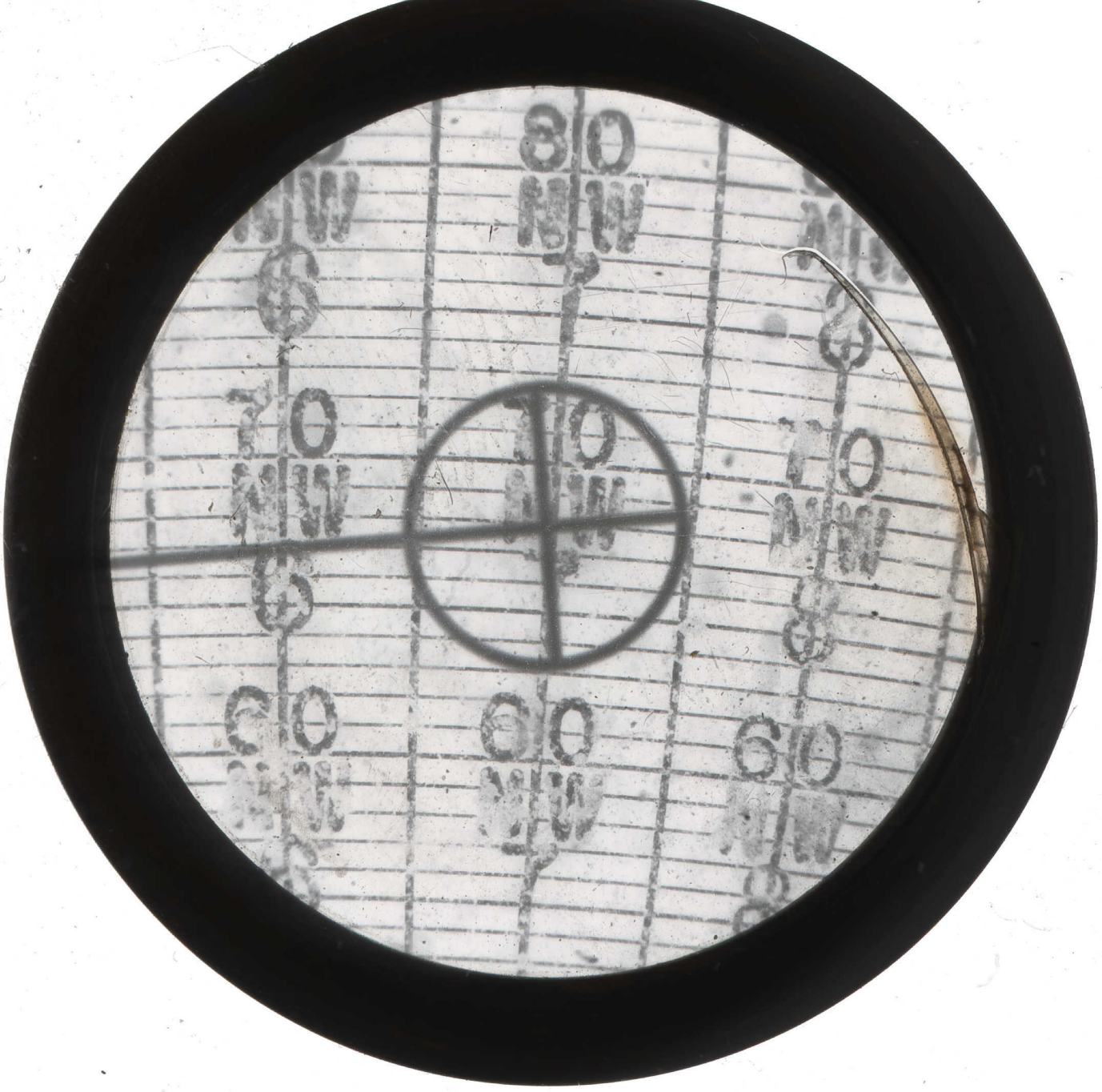
261'
266'
D - 294 - 98 BOX 29
DEPTH 258 - 267

251'
256
D - 294 - 98 BOX 28
DEPTH 248.5 - 258


D - 294 - 98 BOX 30
DEPTH 267 - 271 TD

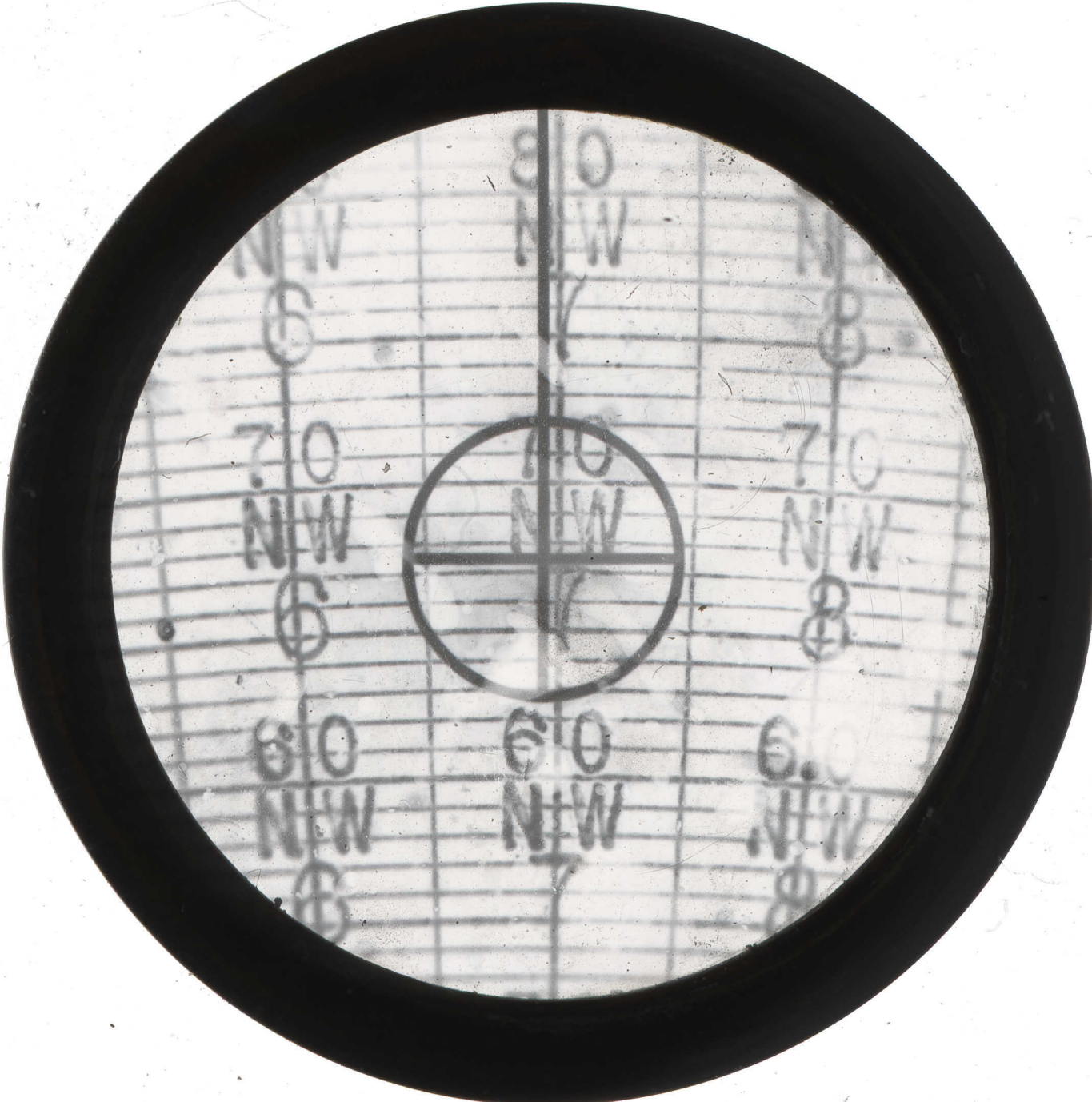
SINGLE SHOT
PHOTO DISC RECORD

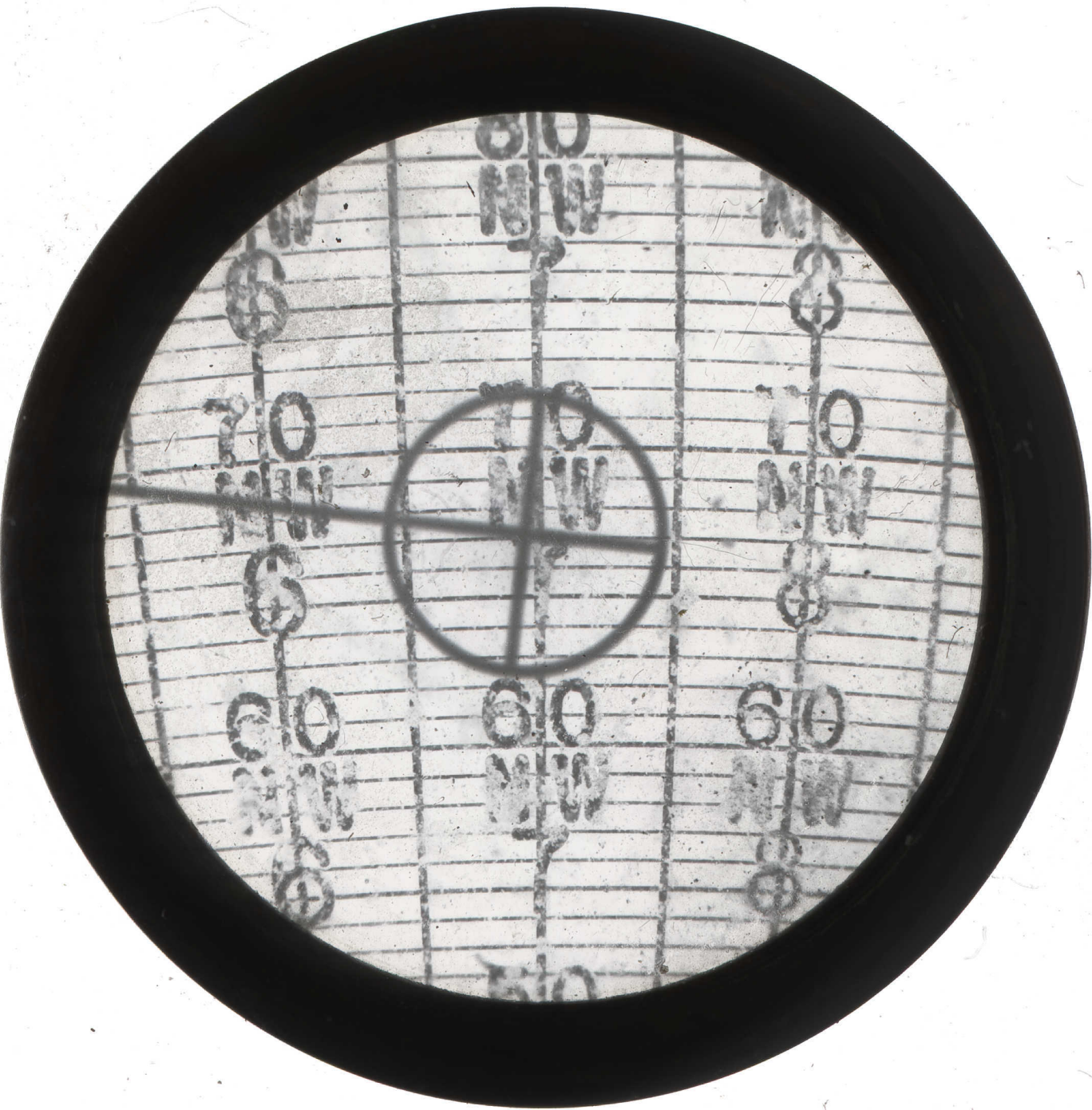
COMPANY HECLA
WELL NAME D29498
LEASE
TAKEN BY BAMFORD
DEPTH 250'
DATE 8-20-98
DRIFT ANGLE
DIRECTION
TYPE
JOB NO.
HI-1408


80
NW
70
NW
60
NW

SINGLE SHOT
PHOTO DISC RECORD

COMPANY HecLA
WELL NAME D929498
LEASE
TAKEN BY BAMFORD
DEPTH 120'
DATE 8-20-98
DRIFT ANGLE
DIRECTION
TYPE
JOB NO.
HI-1408



SINGLE SHOT
PHOTO DISC RECORD

COMPANY HECLA
WELL NAME D 29498
LEASE
TAKEN BY BAMFORD
DEPTH 40'
DATE 8-20-98
DRIFT ANGLE
DIRECTION
TYPE
JOB NO.
HI-1408