60001168

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-266-98
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 161' receipt; handwritten notes; 24p.

Keep docs at about 250 pages if no oversized maps attached
(for every 1 oversized page (>11x17) with text reduce
the amount of pages by ~25)

SS: DD 5/14/08
Initials Date
DB: mch
Initials Date
SCANNED: NB
Initials Date

Revised: 1/22/08

D-266-98

6060 1168 4010

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

6000 1168

Hecla MINING COMPANY

ROSEBUD PROJECT
DIAMOND DRILL LOG

HOLE NUMBER	D-266-98	LOCATION	NORTH ZONE, STOPE 50 1300
PAGE 1 OF 3		NORTHING	
DATE	8/12-8/17/98	EASTING	
LOGGED BY	ALLYN DILES	ELEVATION	
SCALE	1" = 50'	AZIMUTH	125
TOTAL DEPTH	161'	INCLINATION	54

REMARKS

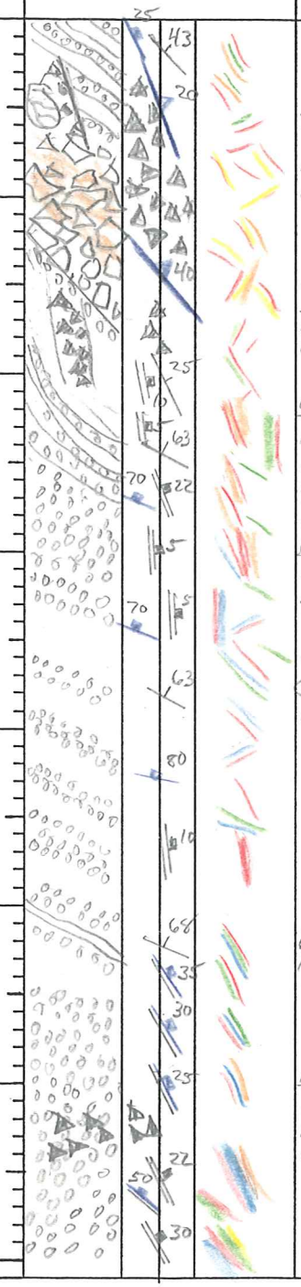
ITH.	OX/RED.	LITHOLOGY	FT	GRAPHIC LOG	STRUCTURE	ALTERATION AND MINERALIZATION
0.0-38.2 TOS		0.0-38.2 LT. GREEN TO WHITE LAPILLIS TO 1/2" DIA, VARIABLE ANGULAR TO ROUND (LITHICS) IN A GREEN APHANITIC VOLCANIC CLAY. INDISTINCT LINEAR FEATURE INDICATE BEDDING. SOME BLACK CLAYEY FRAGS 37.5-38.2 COLOR CHANGE TO RT. PINK LAPILLIS IN PINK VOLCANIC CLAY.	10 20 30		0-38.2 FRACTURES RARE, GENERALLY AT HIGH ∡ TO CORE (60°-70°).	0-3' WEAK DISSEM. MARC. BLADES 3-38.2 WEAK DISSEM PYRITE IN BOTH LITHICS & GROUNDMASS WEAK → VERY WEAK CALCITE VEINING
		38.2-43.7 BRECCIA HAS MOSTLY ANGULAR SOME ROUND CLASTS FROM AN APHANITIC VITROPHYRE-LIKE FLOW.	40		38.2-43.7 POSSIBLE AUTOBRECCIA FLOW BASE OR FAULT RELATED SYMPATHETIC BXA. 43.7-47.8 FAULT BXA, HEALED MOSAIC TYPE	38.2-43.7 CEMENTING AGENT IS GREEN OR WHITE CLAY + CALCITE, DISSEM PYRITE, MARC. VEINS & BLADES 43.7-47.8 REMENTED W/ QUARTZ, MARC., PYRITE, VUGS COMMON LINED W/ DRUZY QUARTZ & MARC.
43.7-47.8 FAULT		43.7-47.8 SRF TYPE FAULT W/ SILICA-QUARTZ STOCKWORK CEMENTING BXA FRAGS, CLASTS ARE FROM FINE GRAIN FLOW/TUFF BEDS.				
47.8-54.5 PLANAR LAMINAR		SEE DESCRIPTION PAGE 2 (64.6-161.0	50			

ANALYTICAL DATA

FROM	TO	W	Au	Ag	Au2	Ag2
0.0	5.0					
5.0	10.0					
10.0	15.0					
15.0	20.0					
20.0	25.0					
25.0	30.0					
30.0	35.0					
35.0	38.2					
38.2	40.0					
40.0	43.7					
43.7	45.0					
45.0	47.8					
47.8	50.0					

HOLE NUMBER D-266-98 PAGE 2 OF 3

LITH.	OX/RED.	LITHOLOGY	FT	GRAPHIC LOG	STRUCTURE	ALTERATION AND MINERALIZATION
47.8-54.5 PLANAR LAMINAR		47.8 – 54.5 FLOWS & TUFFS SEE DESCRIPTION 64.6-161.0				
54.5-64.6 FAULT		54.5-64.6 MAYBE OTHER SEGMENT OF SRF. MOSAIC BXA, MOSTLY CLAST SUPPORTED W/ CENTRAL ARGILLIC/LEACHED ZONE W/ DISSEM. PY., MINOR QUARTZ/SULFIDE VEINS. ABOVE & BELOW ARE VUGGY/FRACTURED W/ WHITE CLAY DRUZY QUARTZ, BLADED MARC LINING/FILLING.	60 70 80 90 100 110 120		54.5-64.6 FAULT ZONE, MOSAIC TYPE, HEALED, MOSTLY ROUND FRAGS.	54.5-64.6 WEAK→MOD. LEACHING/ARGILLIC ALT. OR PRIMARY CONSTITUENTS VUGS ARE ON EITHER OF ARGILLIZE ZONE ARE LINED W/ MARC.-QUARTZ WHITE CLAY, ARGILLIZED ZONE, STRONG DISSEM PY.
64.6-161.0 PLANAR LAMINAR		64.6-161.0 FLOWS & TUFFS PINK TO LT. PINKISH GRAY, FINE GRAIN TO APHANITIC INTERBEDDED TUFF, TUFFACEOUS FLOWS AND WEAKLY FLOW BAND FLOWS, ALL BEDS HAVE VERY SMALL VESICULAR FEATURES OFTEN W/ LINEAR PATTERNS (BEDDING?)			66.0-69.0 FAULT, WEAK // TO CORE AXIS, COMPRISED MOSTLY OF VEINS 69.0-102.0 FRACTURE PATTERNS SEEM TO FOLLOW FABRIC ALIGNMENT @ 60°-70° TO CORE AXIS, ~1/6" OFTEN W/ PROPYLITIC CLAY 69.0-98.0 SULFIDE RICH VEINS +/- PROPYLITIC CLAY QUARTZ OR CALCITE ORIENTED GENERALLY @ 20° TO CORE, ABOUT 1 VEIN/1' 102.0-154.5 FRACTURE DIP CHANGE TO 30° TO CORE AXIS 105.0-124.0 GENERALLY FEATURE-LESS FOR BED ORIENTATIONS	66.0-69.0 PROPYLITIC CLAY, WHITE CLAY, PYRITE ARE MAJOR CEMENTING AGENT, VUGS LINED W/ WHITE CLAY, MARC, RARE DRUZY QUARTZ 76.0-82.0 INCREASED VEINING W/ MARC. BLADES, CALCITE, QUARTZ & WHITE CLAY 82.0-111.0 CALCITE, MARC, WHITE CLAY, SOME QUARTZ AS FRACTURE FILLINGS 102.0-107.0 INCREASED PROPYLITIC-PYRITE VEINING 111.0-114.0 STRONG CALCITE, WHITE CLAY VEINING W/ MARC. 114.0-161.0 MOD. GREEN CLAY, BLADED MARC., CALCITE, PYRITE, & SOME QUARTZ FILLING FRACTURES



ANALYTICAL DATA

FROM	TO	W	Au	Ag	Au2
50.0	54.0				
54.0	56.5				
56.5	60.0				
60.0	64.0				
64.0	66.0				
66.0	69.0				
69.0	74.0				
74.0	76.0				
76.0	79.0				
79.0	82.0				
82.0	85.6				
85.6	89.0				
89.0	94.0				
94.0	99.0				
99.0	102.0				
102.0	107.0				
107.0	111.0				
111.0	114.0				
114.0	118.5				

HOLE NUMBER D-266-98 PAGE 3 OF 3

ITH.	OX/RED.	LITHOLOGY	FT	GRAPHIC LOG	STRUCTURE	ALTERATION AND MINERALIZATION
64.6-161.0		64.6 - 161.0 SEE DESCRIPTION PAGE 2.				
PLANAR LAMINAR		124.0 - 161.0 WEAK BLEACHING/STAINING TO LT. GREEN/GREENISH GRAY, TRAINS OF VESICLES ASSOC. W/ WAVY SUTURE LINES, MAY BE BEDDING FEATURE OR ALTERATION ASPECT. QUESTION MARKS AFTER ATTITUDES SHOW UNCERTANTY	130 140 150 160		121.0-154.5 ANGLE OF VEIN/FRACTURES DECREASING TO 15°-20° TO CORE AXIS. 154.5 - 157.5 WEAK, HEALED CRACKLE ZONE/BXA, SOME ROTATION OF FRAGS, MAYBE AUTOBRECCIA.	114.0-130.0 SOME CALCITE, MARC, QUARTZ., GREEN CLAY VEINS HAVE SIGNIFICANT, (1/2"-1") THICKNESS
		T.D. 161', RODS BROKE OFF IN HOLE. NOT RETRIEVED. HOLE TERMINATED.				

ANALYTICAL DATA

FROM	TO	W	Au	Ag	Au2	A
118.5	121.2					
121.2	124.0					
124.0	127.0					
127.0	130.0					
130.0	135.0					
135.0	139.5					
139.5	144.5					
144.5	149.5					
149.5	154.5					
154.5	159.5					
159.5	161.0					

HECLA MINING COMPANY – ROSEBUD PROJECT
GEOTECHNICAL DRILL LOG

HOLE # D-266-98 DATE: 8/11/98 LOGGED BY: ALLYN NICES 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
0.0	5.0	72.0	96.0	32.0										
5.0	10.0	100.0	92.0	14.0										
10.0	15.0	100.0	102.0	80.0										
15.0	20.0	100.0	100.0	84.0										
20.0	25.0	100.0	100.0	90.0										
25.0	30.0	100.0	100.0	100.0										
30.0	35.0	100.0	100.0	86.0										
35.0	40.0	100.0	100.0	72.0										
40.	45.0	100.0	100.0	94.0										
45.0	50.0	100.0	100.0	100.0										
50.0	55.0	94.0	100.0	58.0										

HECLA MINING COMPANY – ROSEBUD PROJECT
GEOTECHNICAL DRILL LOG

HOLE # D-266-98 DATE: 8/11/98 LOGGED BY: _____ PAGE 2 OF 4

DRILL RUN FROM	DRILL RUN TO	SOLID CORE RECOVERY (%)	TOTAL CORE RECOVERY (%)	RQD	ROCK STRENGTH DOWNHOLE DEPTH	ROCK STRENGTH POINT LOAD INDEX (psi)	FRACTURE DATA FRACTURE DENSITY /FT.	FRACTURE DATA AVG. ANGLE TO C.A.	FRACTURE DATA ROUGHNESS	FRACTURE DATA INFILL	DENSITY DATA DOWNHOLE DEPTH	DENSITY DATA SAMPLE WEIGHT (g)	DENSITY DATA DISPLACEMENT (cc)	DENSITY DATA DENSITY (g/cc)
55.0	60.0	42.0	100.0	30.0										
60.0	64.0	92.5	92.5	85.0										
64.0	69.0	98.0	98.0	76.0										
69.0	74.0	100.0	100.0	52.0										
74.0	79.0	92.0	100.0	58.0										
79.0	84.0	100.0	100.0	64.0										
84.0	89.0	100.0	100.0	90.0										
89.0	94.0	100.0	100.0	84.0										
94.0	99.0	100.0	100.0	68.0										
99.0	104.0	100.0	100.0	32.0										
104.0	109.0	100.0	100.0	42.0										

HECLA MINING COMPANY – ROSEBUD PROJECT
GEOTECHNICAL DRILL LOG

HOLE # D-266-98 DATE: 8/17/98 LOGGED BY: ALLYN NILES PAGE 3 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)
109.0	114.0	94.0	94.0	60.0										
114.0	119.0	102.0	102.0	78.0										
119.0	124.0	100.0	100.0	100.0										
124.0	127.0	100.0	100.0	56.6										
127.0	130.0	113.0	113.0	106.6										
130.0	135.0	92.0	92.0	60.0										
135.0	139.5	93.3	93.3	77.7										
139.5	144.5	100.0	100.0	60.0										
144.5	149.5	20.0	98.0	24.0										
149.5	154.5	100.0	100.0	70.0										
154.5	159.5	50.0	100.0	50.0										

HECLA MINING COMPANY – ROSEBUD PROJECT
GEOTECHNICAL DRILL LOG

HOLE # D-266-98 DATE: 8/17/98 LOGGED BY: ALLYN NILES 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)
159.5	161.0	0	80.0	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 0060183-IN
INVOICE DATE: 09/10/98

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-266-98	DEVELOPMENT	NET 30 - DUE IN U.S. DOLLARS

QUANTITY	DESCRIPTION	PRICE	AMOUNT
44	SAMPLES RECEIVED	.00	.00
43	DRYING	1.00	43.00
43	JAW CRUSHING CHARGE	1.30	55.90
43	COARSE MILLING CHARGE	4.50	193.50
43	SPLITTING CHARGE	2.40	103.20
43	RING MILLING CHARGE	2.00	86.00
44	Au (1 A.T. FIRE ASSAY)	8.00	352.00
2	Au ANALYSES/GRAVIMETRIC	8.75	17.50
44	HYDROCHLORIC/NITRIC DIGESTION	2.00	88.00
44	Ag ANALYSES	1.00	44.00

86-5110-477
FAA

NET INVOICE:	983.10
LESS DISCOUNT:	196.62
FREIGHT:	.00
INVOICE TOTAL:	786.48

xAMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP050183

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-266-98 RECEIVED : 19 AUG 1998

No. SAMPLES : 44 REPORTED : 8 SEP 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 SP050183

American Assay Laboratories

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-266-98

REPORTED : 8 SEP 1998

SAMPLES	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	AuGRAV GRAV OPT	Ag(OZ) D210 OPT
D-266-98 00-05	<0.001			0.13
D-266-98 05-10	<0.001			0.02
D-266-98 10-15	<0.001			<0.02
D-266-98 15-20	<0.001			<0.02
D-266-98 20-25	<0.001			<0.02
D-266-98 25-30	<0.001			<0.02
D-266-98 30-35	<0.001			0.02
D-266-98 35.0-38.2	0.003			0.04
D-266-98 38.2-40.0	0.004			0.11
D-266-98 40.0-43.7	0.003			0.06
D-266-98 43.7-45.0	0.004			0.06
D-266-98 45.0-47.8	0.059		0.037	0.04
D-266-98 47.8-50.0	0.006			0.04
D-266-98 50-54	0.015			0.05
D-266-98 54.0-56.5	0.007			0.06
D-266-98 56.5-60.0	0.021			0.07
D-266-98 60-64	0.007			0.05
D-266-98 64-66	0.010			0.08
D-266-98 66-69	0.021			0.10
D-266-98 69-74	0.007			0.07
D-266-98 74-76	0.005			0.06
D-266-98 76-79	0.019			0.07
D-266-98 79-82	0.051		0.049	0.14
D-266-98 82.0-85.6	0.035			0.08
D-266-98 85.6-89.0	0.010			0.12

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP050183

American Assay Laboratories

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-266-98

REPORTED : 8 SEP 1998

SAMPLES	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	AuGRAV GRAV OPT	Ag(OZ) D210 OPT
D-266-98 89-94	0.009			0.08
D-266-98 94-99	0.016			0.11
D-266-98 99-102	0.005			0.07
D-266-98 102-107	0.002			0.04
D-266-98 107-111	0.004			0.05
D-266-98 111-114	0.007			0.07
D-266-98 114.0-118.5	0.008			0.05
D-266-98 118.5-121.2	0.011			0.08
D-266-98 121.2-124.0	0.003			0.06
D-266-98 124-127	0.003			0.05
D-266-98 127-130	0.004			0.05
D-266-98 130-135	0.004			0.04
D-266-98 135.0-139.5	0.003			0.03
D-266-98 139.5-144.5	0.003			0.05
D-266-98 144.5-149.5	0.005			0.05
D-266-98 149.5-154.5	0.005			0.08
D-266-98 154.5-159.5	<0.001			0.02
D-266-98 159.5-161.0	0.006			0.07
34546	0.529			2.63

SP

SUBMITTAL FORM

American Assay Laboratories

Geochemical • Environmental • Metallurgical

Sparks Office
1500 Glendale Ave.
Nevada 89431
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Reno, NV 89510
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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 LLC

Address: P.O. BOX

City WINNEMUCCA State NV Zip 89445

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

Project Name: DEVELOPMENT Purchase Order Number:

Date Submitted: 8/17/98 Number of Samples: 43

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

SAMPLE IDENTIFICATION			TYPE	ELEMENTS REQUIRED
D-266-98				Au-Ag ACCORDING TO ROSEBUD
[illegible]	[illegible]	102-107		MINE PROTOCOL
[illegible]	[illegible]	107-111		
[illegible]	[illegible]	111-114		159.5-161
[illegible]	[illegible]	114-118.5		
[illegible]	[illegible]	118.5-121.2		
[illegible]	[illegible]	121.2-124		
[illegible]	[illegible]	124-127		
[illegible]	[illegible]	127-130		
[illegible]	[illegible]	130-135		
[illegible]	[illegible]	135-139.5		
[illegible]	[illegible]	139.5-144.5		
[illegible]	89-94	144.5-149.5		
[illegible]	94-99	149.5-154.5		
[illegible]	99-102	154.5-159.5		

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:

CLIENT FILE COPY

AMERICAN ASSAY LABORATORIES

PROVISIONAL REPORT SP050183

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

HECLA MINING COMPANY

COPIES TO : KURT ALLEN

:

:

:

NSI

CLIENT REFERENCE No: D-266-98 RECEIVED : 19 AUG 1998

No. SAMPLES : 44 REPORTED : 8 SEP 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.

09/00/1990 10:34 7023561413 AMERICAN ASSAY LABS PAGE 01
7023561413

AMERICAN ASSAY LABORATORIES

PROVISIONAL REPORT SP050183

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-266-98

REPORTED : 8 SEP 1998

SAMPLES	Au(OZ)	Au(RZ)	AuGRAV	Ag(OZ)
D-266-98 00-05	<0.001			0.13
D-266-98 05-10	<0.001			0.02
D-266-98 10-15	<0.001			<0.02
D-266-98 15-20	<0.001			<0.02
D-266-98 20-25	<0.001			<0.02
D-266-98 25-30	<0.001			<0.02
D-266-98 30-35	<0.001			0.02
D-266-98 35.0-38.2	0.003			0.04
D-266-98 38.2-40.0	0.004			0.11
D-266-98 40.0-43.7	0.003			0.06
D-266-98 43.7-45.0	0.004			0.06
D-266-98 45.0-47.8	0.059		0.037	0.04
D-266-98 47.8-50.0	0.006			0.04
D-266-98 50-54	0.015			0.05
D-266-98 54.0-56.5	0.007			0.06
D-266-98 56.5-60.0	0.021			0.07
D-266-98 60-64	0.007			0.05
D-266-98 64-66	0.010			0.08
D-266-98 66-69	0.021			0.10
D-266-98 69-74	0.007			0.07
D-266-98 74-76	0.005			0.06
D-266-98 76-79	0.019			0.07
D-266-98 79-82	0.051		0.049	0.14
D-266-98 82.0-85.6	0.035			0.08
D-266-98 85.6-89.0	0.010			0.12

AMERICAN ASSAY LABORATORIES

PROVISIONAL REPORT SP050183

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-266-98

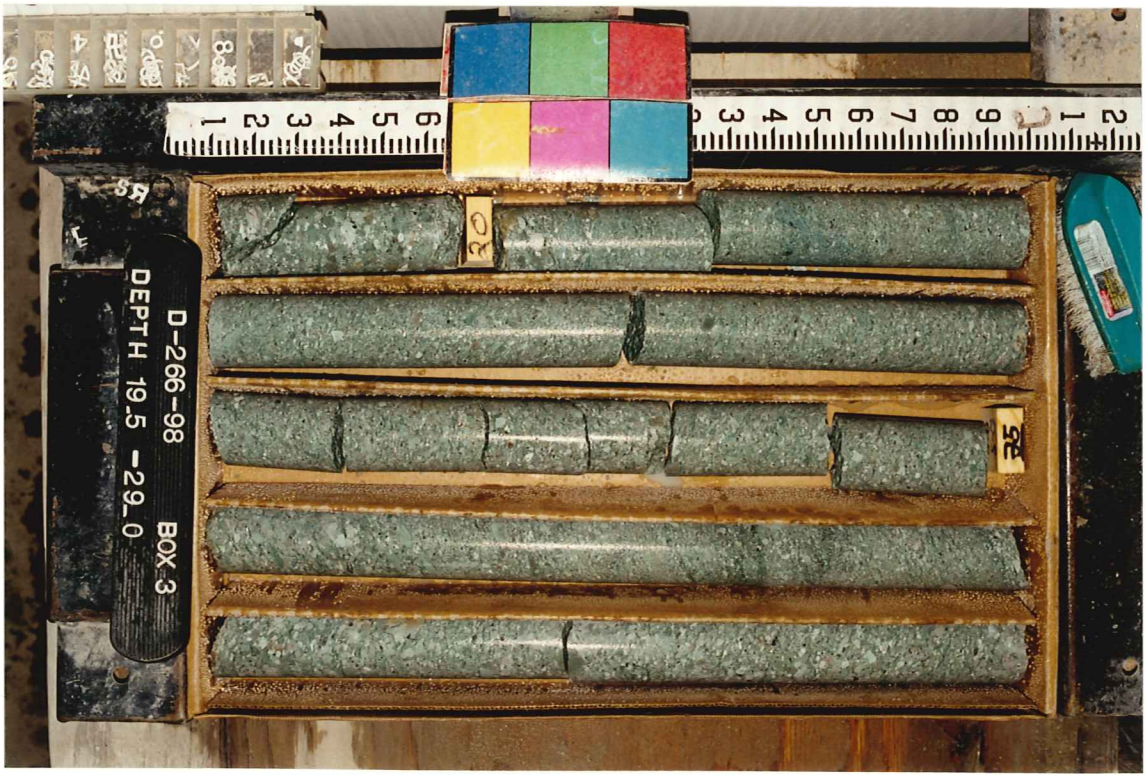
REPORTED : 8 SEP 1998

SAMPLES	Au(OZ)	Au(RZ)	AuGRAV	Ag(OZ)
D-266-98 89-94	0.009			0.08
D-266-98 94-99	0.016			0.11
D-266-98 99-102	0.005			0.07
D-266-98 102-107	0.002			0.04
D-266-98 107-111	0.004			0.05
D-266-98 111-114	0.007			0.07
D-266-98 114.0-118.5	0.008			0.05
D-266-98 118.5-121.2	0.011			0.08
D-266-98 121.2-124.0	0.003			0.06
D-266-98 124-127	0.003			0.05
D-266-98 127-130	0.004			0.05
D-266-98 130-135	0.004			0.04
D-266-98 135.0-139.5	0.003			0.03
D-266-98 139.5-144.5	0.003			0.05
D-266-98 144.5-149.5	0.005			0.05
D-266-98 149.5-154.5	0.005			0.08
D-266-98 154.5-159.5	<0.001			0.02
D-266-98 159.5-161.0	0.006			0.07
34546	0.529			2.63

09/08/1998 10:34 7023561413 AMERICAN ASSAY LABS PAGE 03

D-266-98 BOX 2
DEPTH 10.0 - 19.5

D-266-98 BOX 01
DEPTH 0.0 - 10.0


D-266-98 BOX 3
DEPTH 19.5 -29.0

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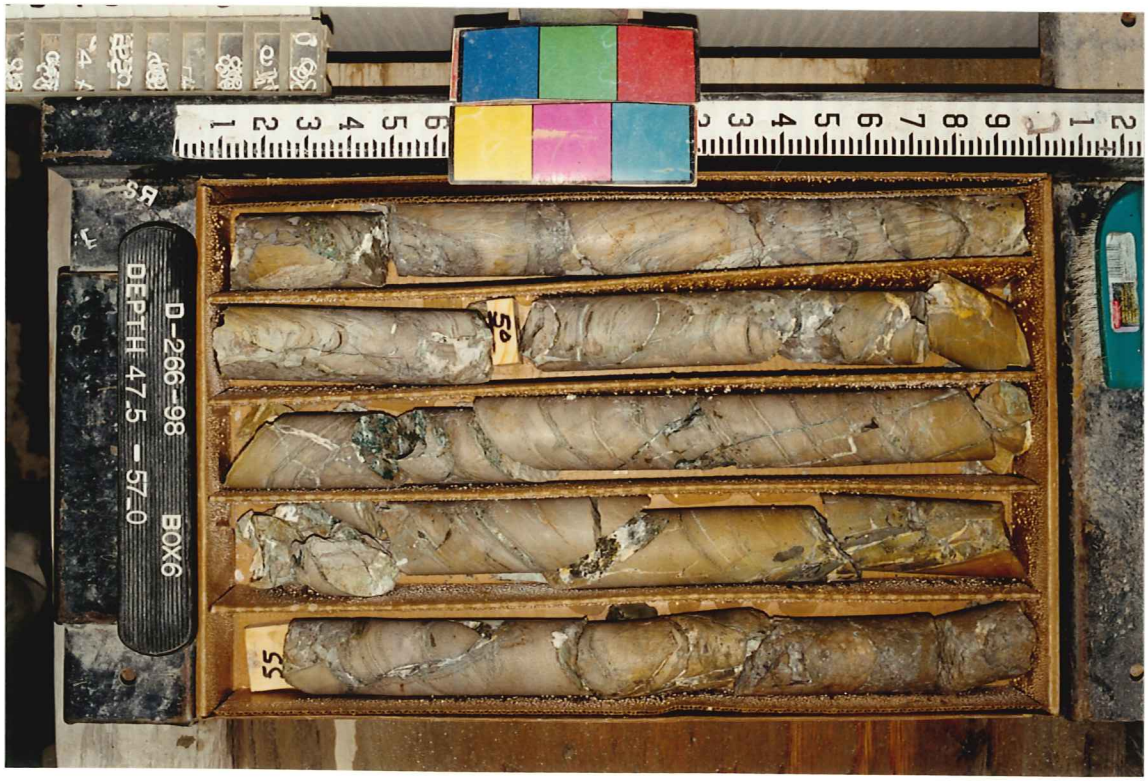
45
D-266-98 BOX 5
DEPTH 38.5 -47.5

30
35
D-266-98 BOX 4
DEPTH 29.0 -38.5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55
D-266-98 BOX 6
DEPTH 47.5 - 57.0

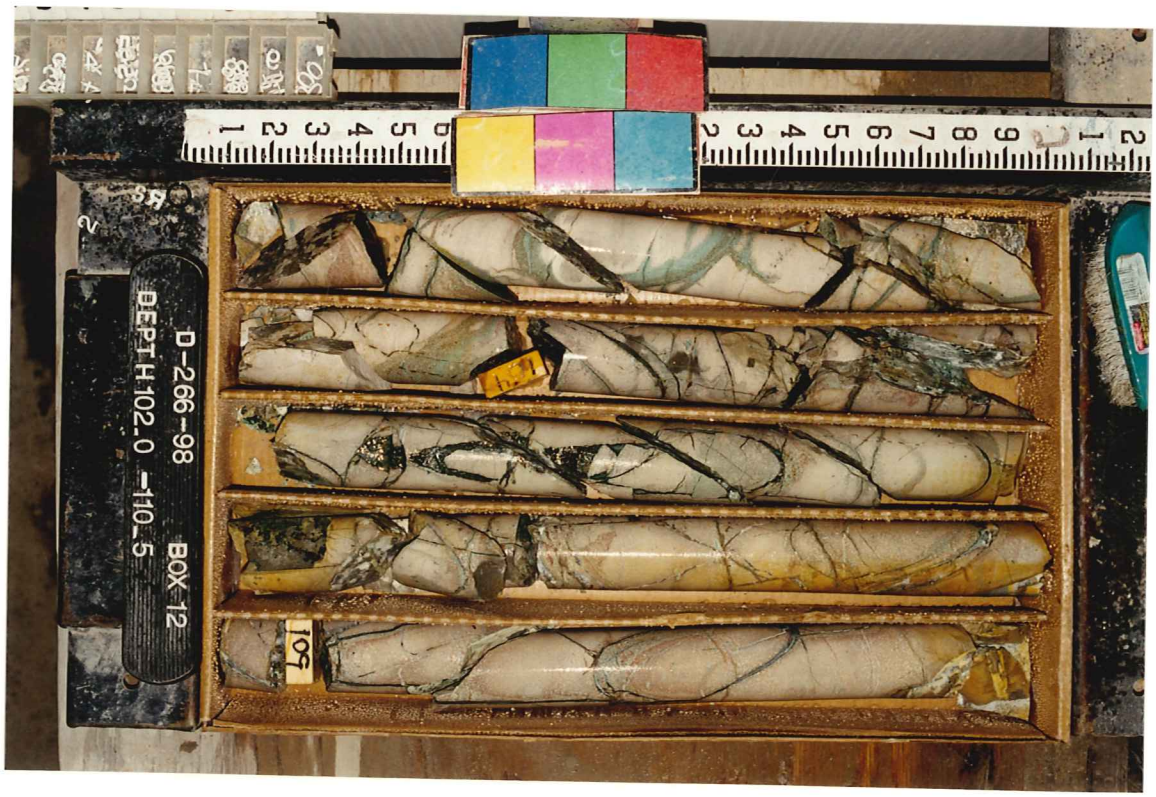
69
74
D-266-98 BOX 8
DEPTH 66.0 - 75.5

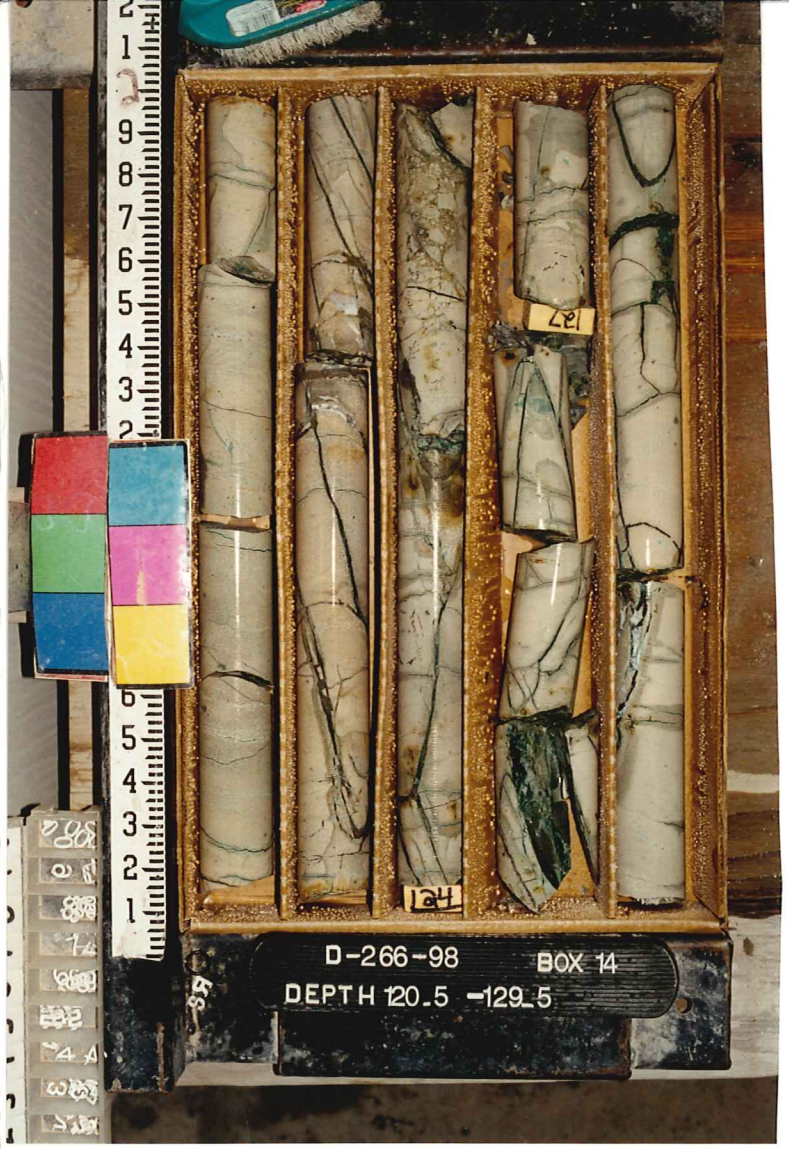
09
D-266-98 BOX 7
DEPTH 57.0 - 66.0

79
D-266-98 BOX 9
DEPTH 75.5 - 84.0

94
99
D-266-98 BOX 11
DEPTH 95.0 -102_0

5/5
5/5
D-266-98 BOX 10
DEPTH 84. - 95_0


D-266-98 BOX 12
DEPTH 102.0 -110_5
109

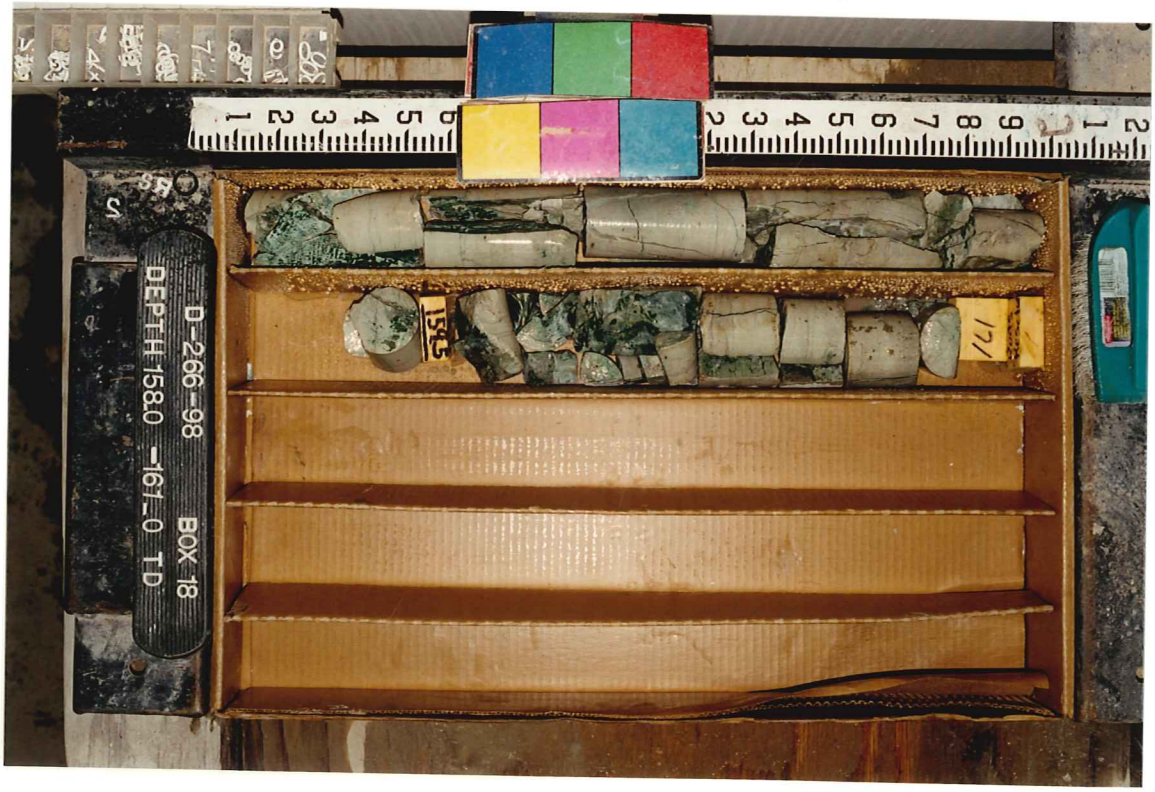

D-266-98
BOX 14
DEPTH 120.5 -129.5
124
127

D-266-98
BOX 13
DEPTH 110.5 -120.5
114
119

D-266-98
BOX 15
DEPTH 129.5 -138.5
130
135

149.5
154.5
D-266-98 BOX 17
DEPTH 148.5 -158_0

139.5
144.5
D-266-98 BOX 16
DEPTH 138.5 -148_5


154.5
159.5
D-266-98 BOX 18
DEPTH 158.0 -161_0 TD