60000656

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-171-98
AUTHOR	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, Hecla Mining Co, Rosebud Project Rosebud Mining Co., LLC
COMMODITY If not obvious	gold; silver
NOTES	drill logs; assay; geology; photographs; receipts; total depth 94'; handwritten notes down hole camera images 17p 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: DO 4/28/2008
Initials Date

DB:
Initials Date

SCANNED:
Initials Date

Revised: 1/22/08

D-171-98

6000 0656
4010

6000 0651

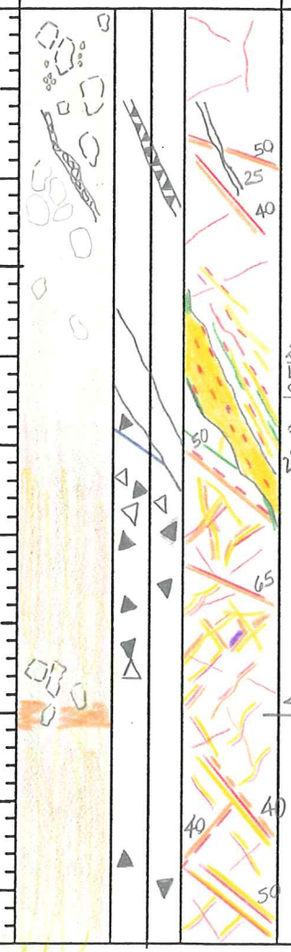
Hecla MINING COMPANY

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

ROSEBUD PROJECT
DIAMOND DRILL LOG

HOLE NUMBER	D-171-98	LOCATION	EAST ACCESS 43
PAGE	1 OF 2	NORTHING	
DATE	02/02/98	EASTING	
LOGGED BY	HSM	ELEVATION	
SCALE	1" = 10'	AZIMUTH	N54W
TOTAL DEPTH	94.0'	INCLINATION	+10

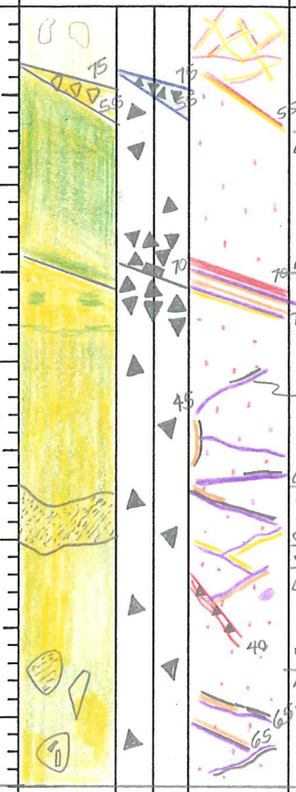
REMARKS

LITH.	OX/RED.	LITHOLOGY	FT	GRAPHIC LOG	STRUCTURE	ALTERATION AND MINERALIZATION
0-54.8 DOZER	0-94.0 REDUCED	0'-9.5': GRNISH-GRY DOZER AUTOBRECCIA, WITH A STRONGLY DEVELOPED MOSAIC TEXTURE. SUB-ANGULAR FRAGMENTS ARE RIMMED WITH GRY (SULFIDE?). MATRIX-SUPPORTED. 9.5'-22.5': WELL-DEFINED MATRIX-SUPPORTED AUTOBRECCIA GIVES WAY TO MORE TIGHTLY PACKED ILL-DEFINED STUFF. 22.5'-54.0': DOZER CONTINUES HARD BUT THE WALLROCK GROUNDMASS LOOKS CLAY ALTERED. ORIGINAL LITHOLOGIC TEXTURES HAVE BEEN DESTROYED. POSSIBLY WEAK SiO_2 OVERPRINTING CLAY ALTERATION OR POSSIBLY ~~POTASSIC~~? 22.5'-54.0': SIGNIFICANT MINERALIZATION & ALT'N THRU OUT THE DOZER ABOVE THE FAULT. SAMPLED AT 5' INTERVALS DUE TO LACK OF CHANGES.	0 10 20 30 40 50		24.5'-39.0': INTERMITTENT VEIN CRACKLE BRECCIA W/ SILICA +/- MARCASITE CEMT. 25.5': >1" LT. BRN GOUGE ZONE. 40.4-41.0': GOUGE? ZONE	0'-21': INTERMITTENT ZONES OF FAINT RUDDY HmDx STAINING HI LITING FRAGMENTS & FLOD BANDING. 0'-11': MOD. SILICA + MARCASITE + WHT CLAY VNS. 9.0-9.3': BLACK (SULFIDE?) CEMENT. 9.6-10.2': SILICA-CLY VN BXA 0-22.5': GENERALLY WK CLAY ALT'N AND TR. SiO_2 IN THE GROUNDMASS. 21.0-22.5': Qz+ CLAY STRINGERS AT 25° TO CIA. 22.5'-23.5': ~4" WIDE VUGGY GRAY SILICA (QUARTZ) VN, W/ LT. GRN CLAY LOCALLY, ESP. AT EDGES. BLADED MARC +/- WHT CLAY IN DRUSE PAVED OPEN SPACE. 24.5-39.0': FINELY DRUSY QZ CEMENTS VEIN CRACKLE BXA. WHT CLAY BLADED MARC +/- BLOCKY BARITE IN OPEN SPACE. 40.4-41.0': STR. PUNKY GRY CLAY ALT'N ZONE IN DOZER. 22.5'-54.0' CLAY ALTERED WALLROCK STRONGLY STRWLES WITH COBWEBS OF VF SILICA VNLTS +/- MARC. STRONG SILICA + MARC + WHT CLAY VN MINERALIZATION ALSO. BY 48.0': AGAIN SIGNIFICANT STR. SILICA CEMENTED VN BXA.

ANALYTICAL DATA

FROM	TO	W	Au	Ag	Au2	Ac
0	3.8					
3.8	6.9					
6.9	11.3					
11.3	15.9					
15.9	21.0					
21.0	24.0					
24.0	29.0					
29.0	34.0					
34.0	39.0					
39.0	44.0					
44.0	49.0					

HOLE NUMBER D-170-98 PAGE 2 OF 2

LITH.	OX/RED.	LITHOLOGY	FT	GRAPHIC LOG	STRUCTURE	ALTERATION AND MINERALIZATION
0-54.0 DOZER 54.0-54.8 54.8-63.5 UBUD 63.5-68.5 FAULT 68.5'-94.0 CG BUD? OR "NITROPHYRIC" BRECCIA?	0-94.0 REDUCED	FAULT ZONE BELOW ~~ABOVE~~ DOZER CONTACT 54.0-54.8': ANGULAR PEBBLE-SIZED DOZER FRAGMENTS. FLOAT MATRIX-SUPPORTED IN A SILICIFIED ROCK FLOUR MATRIX LARGELY DOZER DERIVED. 54.8'- : SHEARED, STR'LY SILICIFIED BUD. SIGNIFICANT TEXTURE DESTRUCTION TO 57.9' +/- TR. BLCHNG. BELOW 57.9' CLASTIC, SPECKLED TEXTURE IS WELL-DEVELOPED 60.5'-63.5': INCREASING TEXTURE DESTRUCTION DOWNHOLE UNTIL BY 62.5' BUD HAS GRADED INTO A 2NDARY BXA WITH DISCRETE, SUB-ROUND FRAGMENTS OF BUD FLOATING IN A MORE SILICIFIED, RK FLOUR, BUD-DERIVED MATRIX. 63.5'-65.1: DOMINANT FRAGMT TYPE CHANGES TO TAN APHANITIC LITHOLOGY. MATRIX BECOMES ALMOST TOTALLY SILICA REPLACEMT. 65.1-66.0: TEXTURE DESTRUCTIVE SILICA +/- SHEARING OVERPRINTS GRN BUD. 66.0-68.5': TOTAL SILICA REPLACEMT. MULTI-EPISODE BRECCIATION. 68.5-74': STRONG TEXTURE-DESTRUCTIVE SILICA OVERPRINT ON BRECCIATED DISRUPTED GRN BUD. FAIRLY COARSE-GRAINED. 74.0-94.0': DECREASINGLY SILICIFIED, COARSE CONGLOMERATIC BUD (?). BLUE-GREEN SANDY BUD FROM ~77.5-80' IS FOLLOWED BY CG BUD WITH FLESH-COLORED TO DK. GRN, RE-BRECCIATED CHOCOLATE FRAGMENTS IN GRN BUD MUSH. THIS HOLE DOES NOT EXIT THE TECTONIZED ZONE.	50 60 70 80 90		54.0-~57.0: FIRST STRAND OF FAULT 63.5'-68.5': 2ND STRAND OF STR. FAULTING + ZONE OF STRONGEST HYDROTHERMAL OVERPRINT. STIBNITE, BARITE +/- WHT CLAY 66.7-68.0: NO ROUNDED GRY REPLACEMT SILICA PEBBLES. LATE MINERALS STRICTLY INFILL OPEN SPACE IN SILICIFICATN ERA BX. 74-94: STR. HYDROTHERMAL MOD. TECTONIC OVERPRINT ON LITH. TO T.D.	54.0'-54.8: STRONGLY SILICIFIED, WK MARC. 54.8'-57': STR. SILICIFICATION OVERPRINTING GRN CLAY ALT'N. MOD. DISS'D MARCASITE. ~57-63.7': MOD. SILICIFICATION OVERPRINTS GRN CLAY ALT'N. 65.1': FG SULFIDE VNS AT MARGIN OF TOTAL REPLACEMT SILICA ZONE. + L. BARITE + WHT CLAY. 65.6': BARITE + WHT CLAY. 66.7-68.0': WKLY DEVELOPED LATE BARITE + STIBNITE + WHT CLAY MATRIXED BXA. 66.0-68.5': TOTAL SILICA REPLACEMT. 68.5'-74': STRONG SILICA OVERPRINT ON STR. GRN CLAY ALT'N. SILICIFICATION IS VUGGY, MOD. BARITE +/- WHT CLAY LINES VUGS, VNS. MOD'LY TO STR'LY DISS'D MARCASITE. 74'-94: DECREASED SiO_2 OVERPRINT. CONT'D MOD. ~~BARITE + WHT CLAY +/-~~ STIBNITE ON FRACTURES. CONT'D MOD. DISS'D MARC. L. BARITE, WHT CLAY & STIBNITE COATS VUGS BUT IS DOMINANTLY ON IRR. FRAX AT HI ∠ S TO C/A.
		94.0' T.D.	100 110 120			

ANALYTICAL DATA

FROM	TO	W	Au	Ag	Au2
49.0	54.0				
54.0	57.5				
57.5	60.5				
60.5	63.7				
63.7	66.0				
66.0	68.0				
68.0	71.0				
71.0	74.0				
74.0	79.0				
79.0	84.0				
STIBNITE 84.0	89.0				
89.0	94.0				

HECLA MINING COMPANY – ROSEBUD PROJECT
GEOTECHNICAL DRILL LOG

HOLE # D-17-98 DATE: 02/02/98 LOGGED BY: HSM PAGE 1 OF 2

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)
0.0	5.0	90.0	92.0	44.0										
5.0	9.0	92.5	92.5	80.0										
9.0	14.0	100.0	100.0	70.0										
14.0	19.0	100.0	100.0	84.0										
19.0	24.0	100.0	100.0	74.0										
24.0	29.0	96.0	96.0	18.0										
29.0	34.0	94.0	94.0	56.0										
34.0	39.0	100.0	100.0	34.0										
39.0	44.0	86.0	86.0	10.0										
44.0	49.0	100.0	100.0	46.0										
49.0	54.0	98.0	98.0	60.0										

HECLA MINING COMPANY – ROSEBUD PROJECT
GEOTECHNICAL DRILL LOG

HOLE # D-171-98 DATE 02/02/98 LOGGED BY: HBM PAGE 2 OF 2

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)
54.0	57.0	90.0	90.0	26.7										
57.0	59.0	90.0	90.0	45.0										
59.0	64.0	100.0	100.0	74.0										
64.0	67.0	103.3	103.3	30.0										
67.0	68.0	40.0	70.0	0										
68.0	71.0	103.3	103.3	60.0										
71.0	74.0	96.7	96.7	0										
74.0	79.0	100.0	100.0	86.0										
79.0	84.0	92.0	92.0	28.0										
84.0	89.0	102.0	102.0	10.0										
89.0	94.0	100.0	100.0	72.0										

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

(702) 356-0606

INVOICE NO: SP 0048100-IN
INVOICE DATE: 02/24/98

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-171-98	DEVELOPMENT	NET 30 - DUE IN U.S. DOLLARS

QUANTITY	DESCRIPTION	PRICE	AMOUNT
25	SAMPLES RECEIVED	.00	.00
24	DRYING	1.00	24.00
24	JAW CRUSHING CHARGE	1.30	31.20
24	COARSE MILLING CHARGE	4.50	108.00
24	SPLITTING CHARGE	2.40	57.60
24	FINE MILLING CHARGE	2.00	48.00
25	Au (1 A.T. FIRE ASSAY)	8.00	200.00
11	Au ANALYSES/GRAVIMETRIC	8.75	96.25
25	HYDROCHLORIC/NITRIC DIGESTION	2.00	50.00
25	Ag ANALYSES	1.00	25.00
2	Ag (ore grade) ANALYSES	5.00	10.00

86-5110-477
RDA

NET INVOICE:	650.05
LESS DISCOUNT:	130.01
FREIGHT:	.00
INVOICE TOTAL:	520.04

xAMERICAN ASSAY LABORATORIES
ANALYSIS REPORT SP048100

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-171-98 RECEIVED : 11 FEB 1998

No. SAMPLES : 25 REPORTED : 24 FEB 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 SP048100

American Assay Laboratories

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-171-98

REPORTED : 24 FEB 1998

SAMPLES	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	AuGRAV GRAV OPT	Ag(OZ) D210 OPT
D-171-98 0.0-3.8	0.014			0.04
D-171-98 3.8-6.9	0.007			0.06
D-171-98 6.9-11.3	0.009			0.07
D-171-98 11.3-15.9	0.024			0.07
D-171-98 15.9-21.0	0.018			0.04
D-171-98 21-24	0.142		0.126	0.23
D-171-98 24-29	0.141		0.160	0.09
D-171-98 29-34	0.203		0.174	0.13
D-171-98 34-39	0.055		0.057	0.07
D-171-98 39-44	0.092		0.080	0.22
D-171-98 44-49	0.120		0.126	0.07
D-171-98 49-54	0.205		0.230	0.10
D-171-98 54.0-57.5	1.025		1.094	1.04
D-171-98 57.5-60.5	0.534		0.518	0.30
D-171-98 60.5-63.7	0.668		0.719	0.71
D-171-98 63.7-65.1	0.884		0.908	1.26
D-171-98 65.1-66.0	0.004			1.19
D-171-98 66-68	0.019			2.37
D-171-98 68-71	0.006			0.15
D-171-98 71-74	0.005			0.69
D-171-98 74-79	0.003			0.47
D-171-98 79-84	0.004			1.32
D-171-98 84-89	0.003			0.61
D-171-98 89-94	0.002			0.52
26740	0.497			2.35

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP048100

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-171-98 RECEIVED : 11 FEB 1998

No. SAMPLES : 25 REPORTED : 24 FEB 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 SP048100

American Assay Laboratories

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-171-98

REPORTED : 24 FEB 1998

SAMPLES	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	AuGRAV GRAV OPT	Ag(OZ) D210 OPT
D-171-98 0.0-3.8	0.014			0.04
D-171-98 3.8-6.9	0.007			0.06
D-171-98 6.9-11.3	0.009			0.07
D-171-98 11.3-15.9	0.024			0.07
D-171-98 15.9-21.0	0.018			0.04
D-171-98 21-24	0.142		0.126	0.23
D-171-98 24-29	0.141		0.160	0.09
D-171-98 29-34	0.203		0.174	0.13
D-171-98 34-39	0.055		0.057	0.07
D-171-98 39-44	0.092		0.080	0.22
D-171-98 44-49	0.120		0.126	0.07
D-171-98 49-54	0.205		0.230	0.10
D-171-98 54.0-57.5	1.025		1.094	1.04
D-171-98 57.5-60.5	0.534		0.518	0.30
D-171-98 60.5-63.7	0.668		0.719	0.71
D-171-98 63.7-65.1	0.884		0.908	1.26
D-171-98 65.1-66.0	0.004			1.19
D-171-98 66-68	0.019			2.37
D-171-98 68-71	0.006			0.15
D-171-98 71-74	0.005			0.69
D-171-98 74-79	0.003			0.47
D-171-98 79-84	0.004			1.32
D-171-98 84-89	0.003			0.61
D-171-98 89-94	0.002			0.52
26740	0.497			2.35

AMERICAN ASSAY LABORATORIES

PROVISIONAL REPORT SP048100

PO BOX 11536
RENO NV.USA
Ph.(702) 356-0606, Fax.(702) 356-1413

HECLA MINING COMPANY

COPIES TO : KURT ALLEN

:

:

:

CLIENT REFERENCE No: D-171-98 RECEIVED : 11 FEB 1998

No. SAMPLES : 25 REPORTED : 24 FEB 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

PROVISIONAL REPORT SP048100

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-171-98

REPORTED : 24 FEB 1998

SAMPLES		Au(OZ)	Au(RZ)	AuGRAV	Ag(OZ)	
D-171-98 0.0-3.8		0.014			0.04	
D-171-98 3.8-6.9		0.007			0.06	
D-171-98 6.9-11.3		0.009			0.07	
D-171-98 11.3-15.9		0.024			0.07	
D-171-98 15.9-21.0		0.018			0.04	21-34'
D-171-98 21-24	3'	0.132		0.126	0.23	=13'@
D-171-98 24-29	5'	0.141		0.160	0.09	0.165 Au
D-171-98 29-34	5'	0.203		0.174	0.13	0.14 Ag
D-171-98 34-39		0.055		0.057	0.07	
D-171-98 39-44		0.092		0.080	0.22	
D-171-98 44-49		0.120		0.126	0.07	49-65.1' =
D-171-98 49-54	5	0.205		0.230	0.10	16.1'@
D-171-98 54.0-57.5	3.5'	1.025		1.094	1.04	0.596 Au
D-171-98 57.5-60.5	3.0'	0.534		0.518	0.32	0.46 Ag
D-171-98 60.5-63.7	3.2'	0.668		0.719	0.71	
D-171-98 63.7-65.1	1.4'	0.884		0.908	1.26	
D-171-98 65.1-66.0		0.004			1.19	
D-171-98 66-68		0.019			2.37	
D-171-98 68-71		0.006			0.15	
D-171-98 71-74		0.005			0.69	
D-171-98 74-79		0.003			0.47	
D-171-98 79-84		0.004			1.32	
D-171-98 84-89		0.003			0.61	
D-171-98 89-94		0.002			0.52	
26740		0.497			2.35	

SP

SUBMITTAL FORM

American Assay Laboratories

Geochemical • Environmental • Metallurgical

Sparks Office
1500 Glendale Ave.
Nevada 89431
Box 11530
Reno, NV 89510
Telephone
(702) 356-0606
Fax
(702) 356-1413

Tucson Office
2775 E. Ganley
Tucson, AZ 85706
Telephone
(520) 294-8078
Fax
(520) 294-6352

Elko Office
2320 Last Chance Rd.
Nevada 89801
Box 2908
Elko, NV 89801
Telephone
(702) 738-9100
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 89446

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

Project Name: DEVELOPMENT Purchase Order Number:

Date Submitted: 02/10/98 Number of Samples: 24

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

D-171-98 SAMPLE IDENTIFICATION		TYPE	ELEMENTS REQUIRED
0-3.8	63.7-65.1	CORE	AU-Ag ACCORDING TO ROSEBUD MINE PROTOCOL
3.8-6.9	65.1-66.0		
6.9-11.3	66.0-68.0		
11.3-15.9	68.0-71.0		
15.9-21.0	71.0-74.0		
21.0-24.0	74.0-79.0		
24.0-29.0	79.0-84.0		
29.0-34.0	84.0-89.0		
34.0-39.0	89.0-94.0		
39.0-44.0			
44.0-49.0			
49.0-54.0			
54.0-57.5			
57.5-60.5			
60.5-63.7			

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:

CLIENT FILE COPY

DOWNHOLE SURVEY MAGNETIC DECLINATION: 15.7°

DRILLHOLE #	FILM FOOTAGE	BEARING	DIP	TRUE BEARING	TRUE DIP
D-171-98	COLLAR	S82.0E	30.5°	N66.3°W	+59.5°
	45'	S80.0E	30.5°	N64.3°W	+59.5°
	94'	S79.0E	30.5°	N63.3°W	+59.5°

11.3
14
15.9
19
D-171 98 BOX NO 2
DEPTH 10. — 19.2

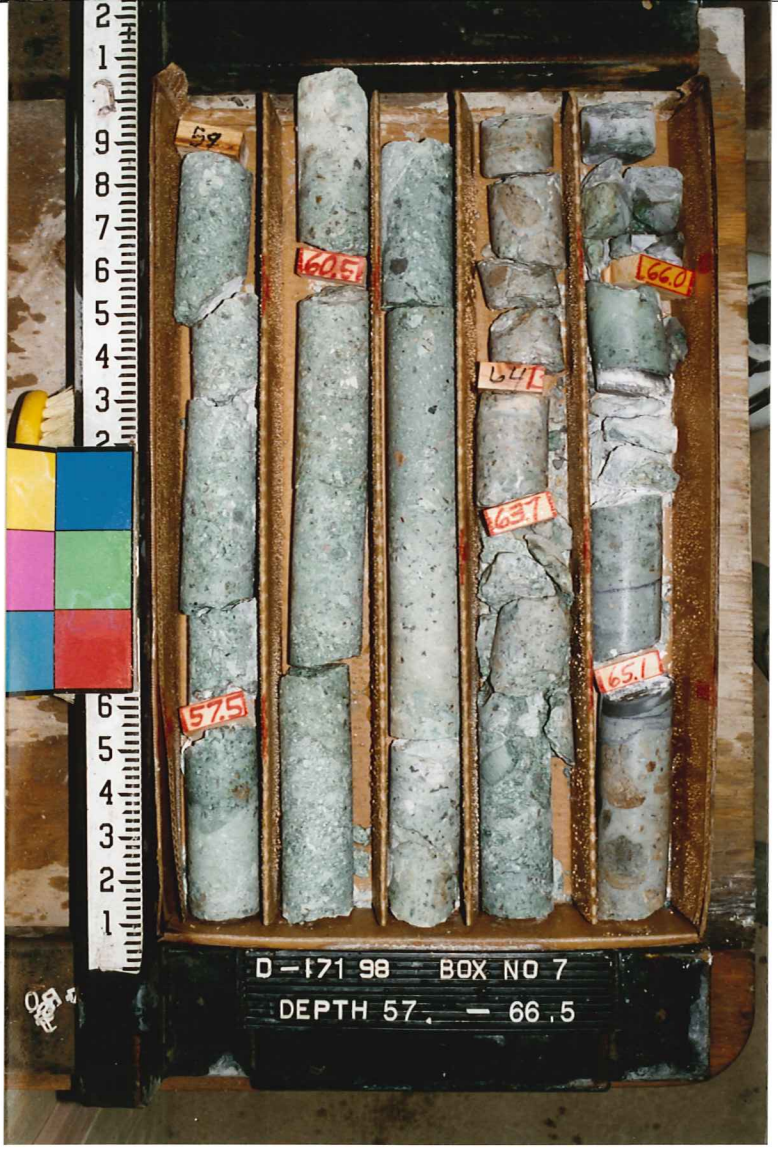
3.8
5
6.9
9
D-171 98 BOX NO 1
DEPTH 0.0 — 10

24
24
D-171 98 BOX NO 3
DEPTH 19. — 28.5

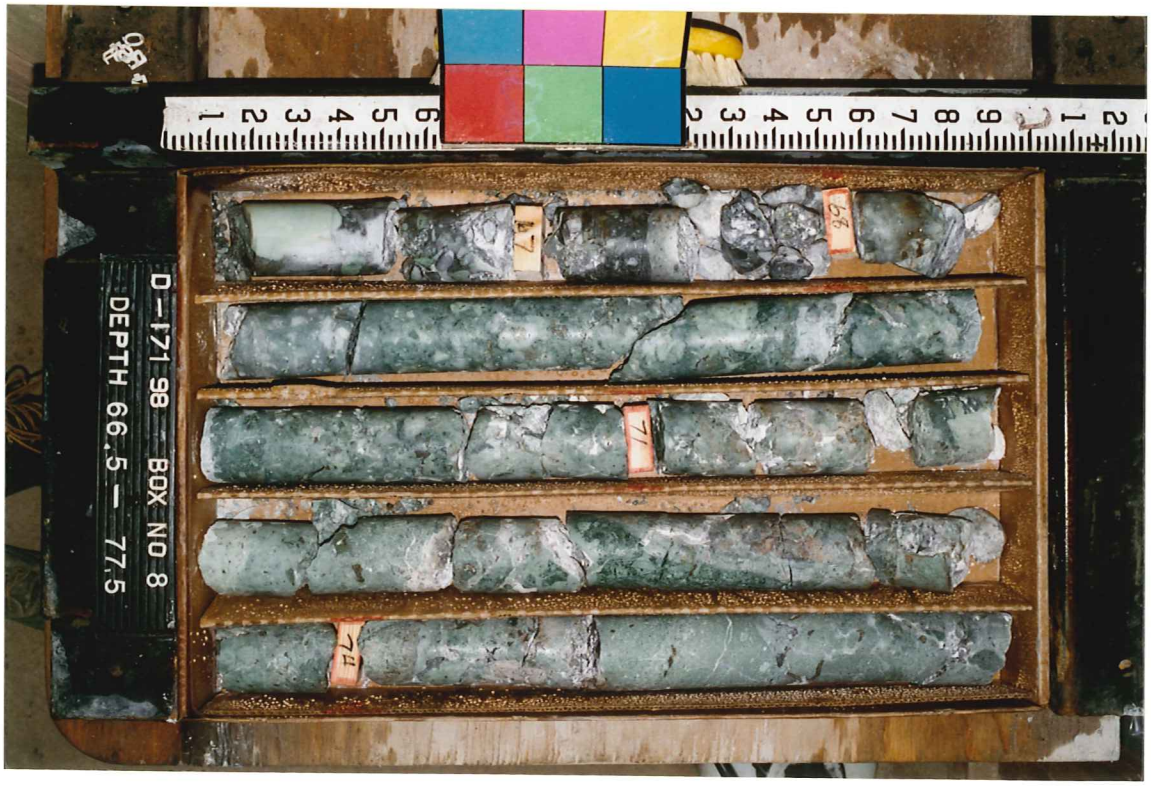
D-171 98 BOX NO 5
DEPTH 38. — 48.
44
39

D-171 98 BOX NO 4
DEPTH 28.5 — 38.
34
29

D-171 98 BOX NO 6
DEPTH 48. — 57.
48
54
57

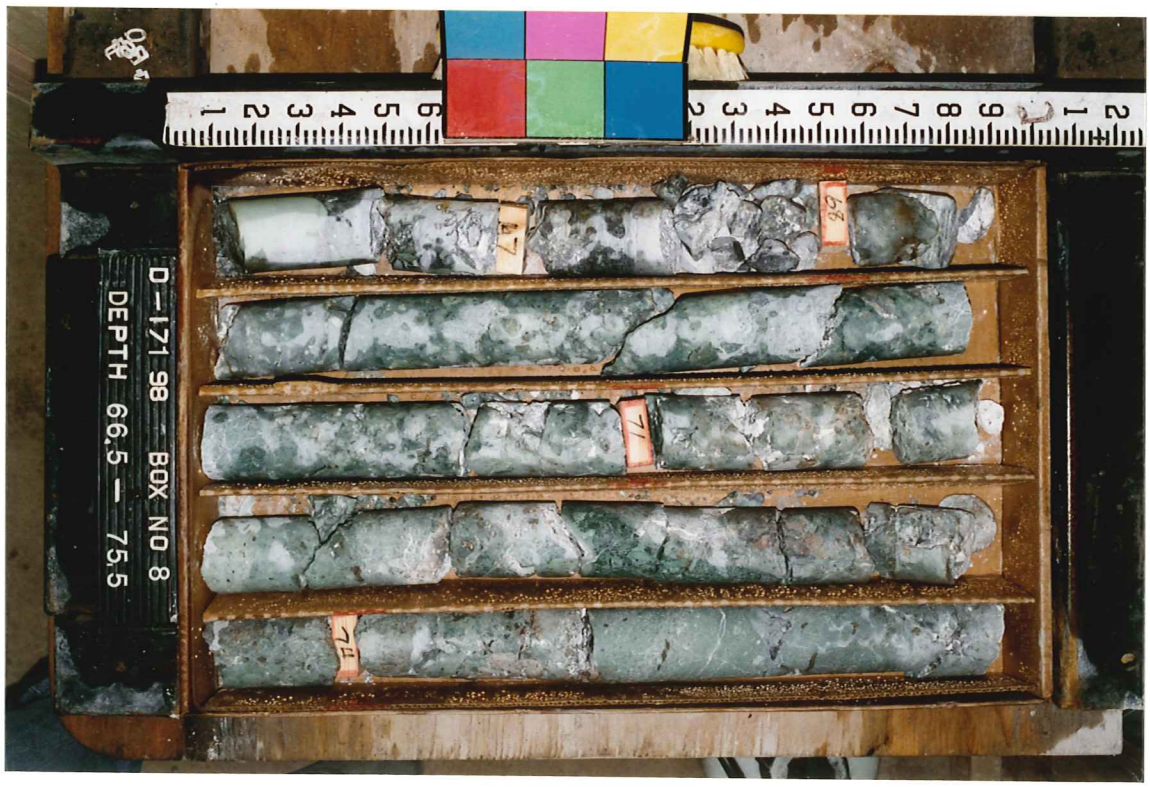

59
60.5
66.0
64.1
63.7
65.1
57.5
D-171 98 BOX NO 7
DEPTH 57. — 66.5

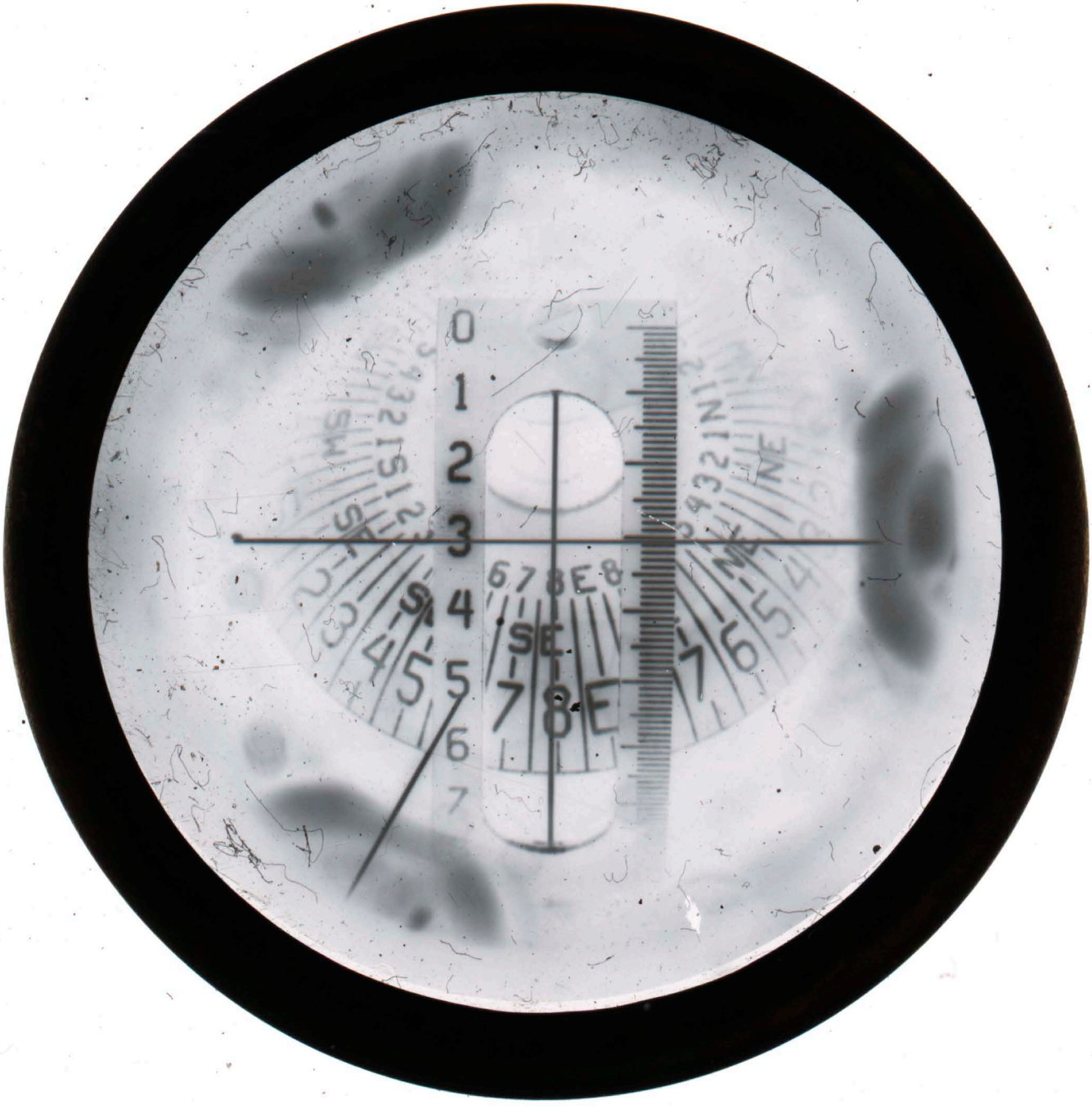
49
57
54
D-171 98 BOX NO 7
DEPTH 48. — 57.


D-171 98 BOX NO 8
DEPTH 66.5 — 77.5
67
69
71
71

D-171 98 BOX NO 10
DEPTH 85. — 94. TD

D-171 98 BOX NO 9
DEPTH 75.5 — 85.


D-171 98 BOX NO 8
DEPTH 66.5 — 75.5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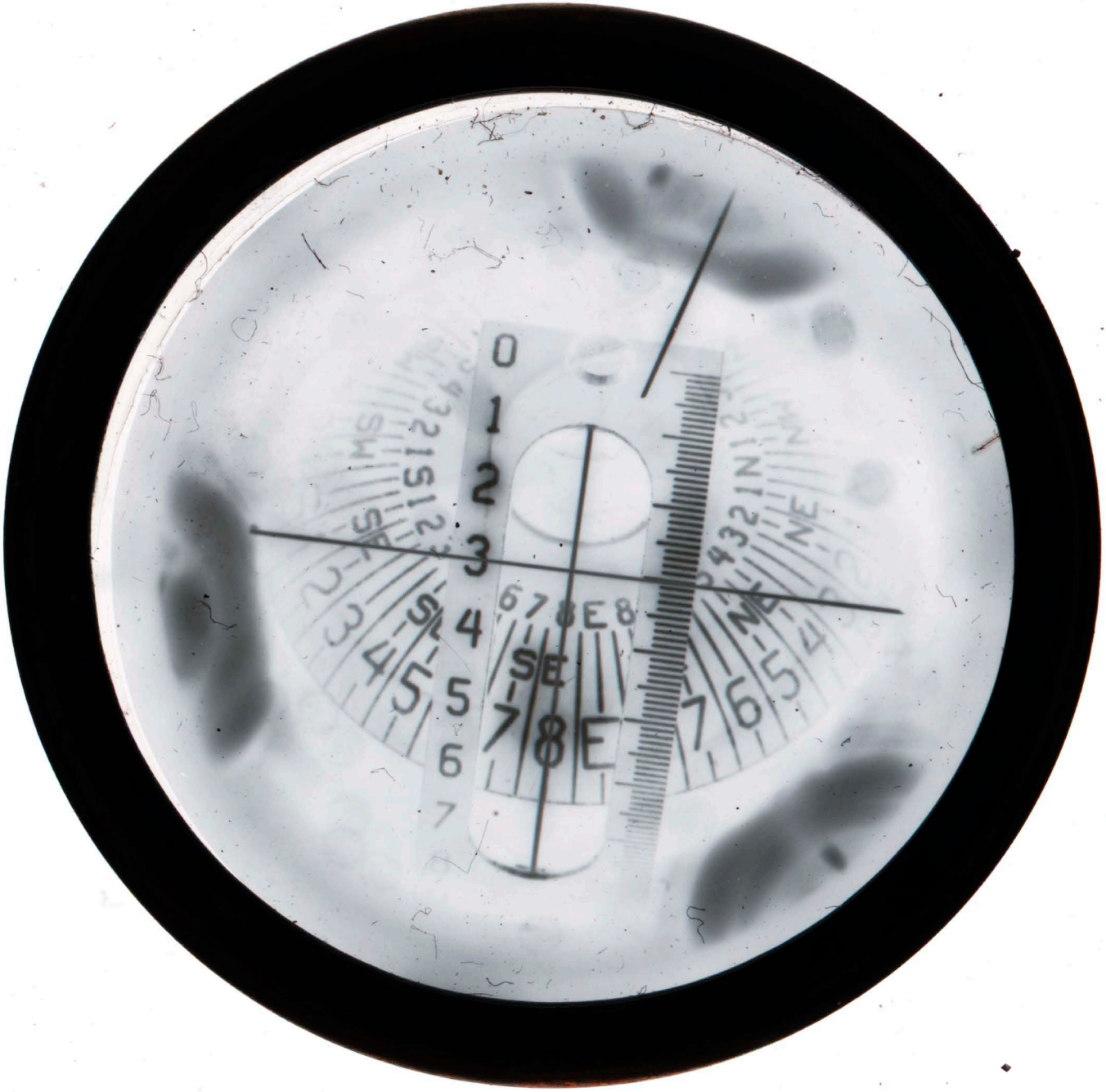
S
SW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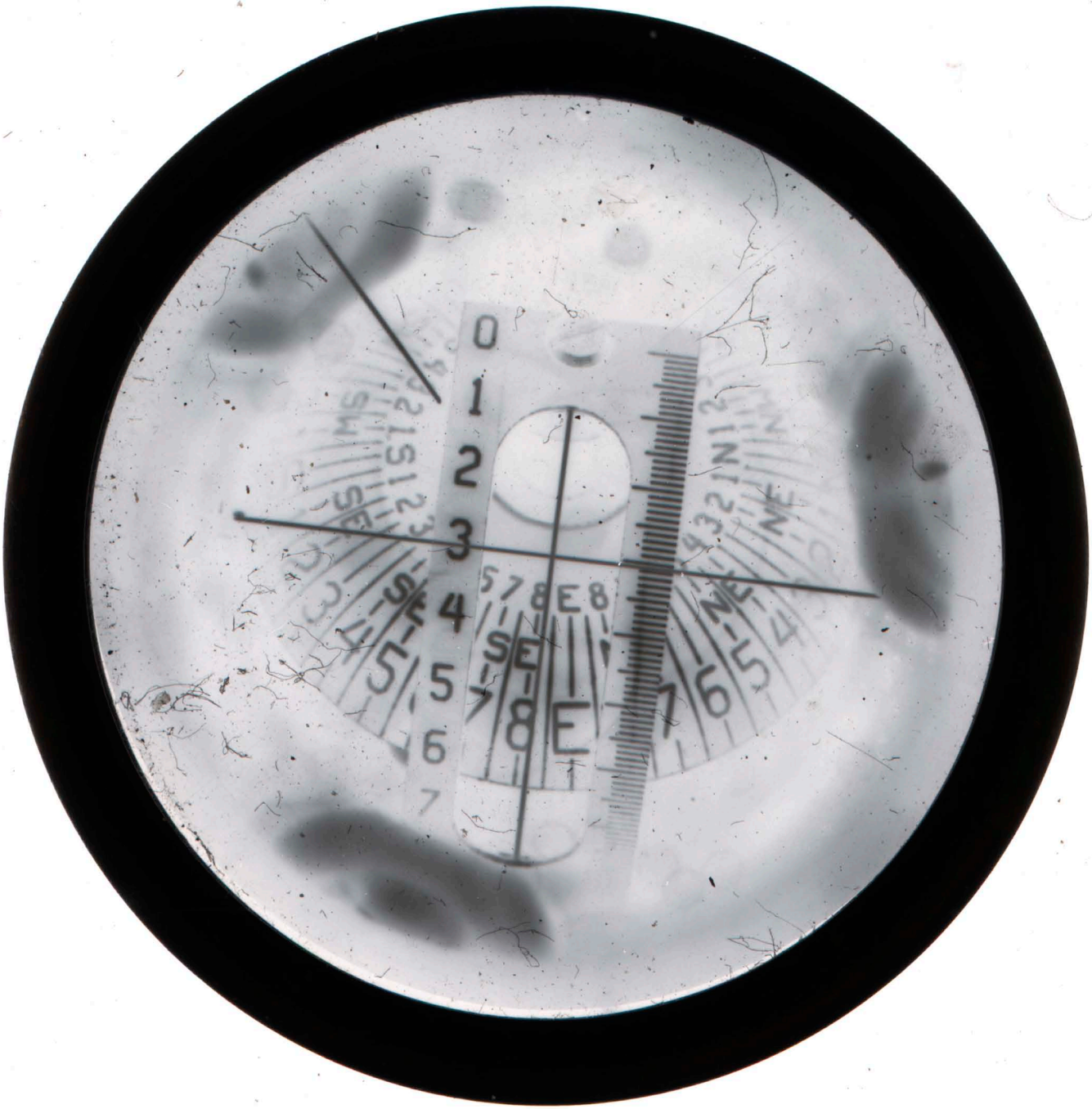
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