60000806

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-3-94
AUTHOR	C. Winetteer; C. Muschoff; S. Fairclotb
DATE OF DOC(S)	1994
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 South Zone
COMMODITY If not obvious	gold; silver
NOTES	drill logs; geology; assay; total depth 238' receipt; handwritten notes; underground drilling NOTE - scan notes on folder 12p

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 4/30/08
Initials Date

DB:
Initials Date

SCANNED:
Initials Date

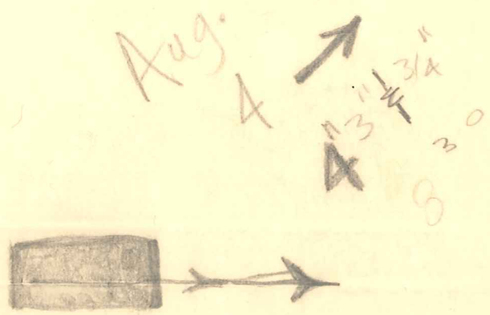
Revised: 1/22/08

UNDERGROUND DRILLING P-3-94

6000 0806
4010

Sat.
13th

Aug.
4



227.7 -228.3

6000 0806

Hecla
MINING COMPANY

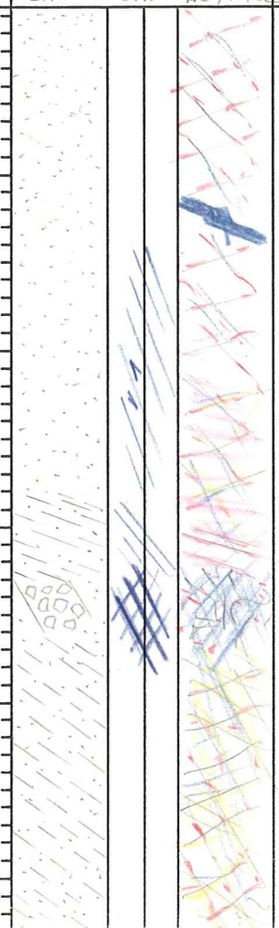
ROSEBUD PROJECT
DIAMOND DRILL LOG

HOLE NUMBER	D-3-94	LOCATION	SOUTH ZONE	REMARKS	ORIENTATIONS STATED
PAGE 1 OF	8	NORTHING	2,203,373.3		AS ∡ TO CORE AXIS; CORE PHOTOGRAPHED;
DATE	7-22-94	EASTING	481,306.4		WHOLE CORE ASSAY SAMPLES; COLLAR
LOGGED BY	CBWINETEER	ELEVATION	4753.5		LOC. IN DRILL STA. No. 3; SECT. 200N
SCALE	1"=5"	AZIMUTH	149.5°		
TOTAL DEPTH	238'	INCLINATION	+40°		

LITHOLOGY

%REC	RQD	HARDNESS	COLOR	LITHOLOGY
81	.52 10>4' 70°/20° .5/ft. 9	MOD HD	GRN-GRY ? GRY	0-94' Massive-bedded and flow-laminated fine-grained, well-sorted, dense, moderately hard waterlain tuff/tephra. -@ 3' piece of steel set steel.
84	.29 7>4 25°/70° 3.0/ft 19		SA.A. + bands ? mottled blotches of pink	
80	.14 3>4" 30/50/70° 2/ft.			

GRAPHIC LOG



STRUCTURE

0-14' Massive bedded

6-6.5' C. xln barren wht $CaCO_3$ @ 10+70'

7-14' Slicks @ 20-25'

14-16.8' Planar-lam. @ 70°

16.8-17.6' $CaCO_3$+smec/ill+ minor marc. cemented feet. bx-vn bx @ 30°

18-30' Medium-bedded planar-laminated at 55°

ALTERATION AND MINERALIZATION

0-14' @ 15-20' slicked frac's w/pale grn clayey-$CaCO_3$ — looks like $CaCO_3$+chl+smec/ill ± f.g. py vnlts @ 45° & 70'

<190 diss. sulf.

14-30' as above w/ lam. parallel CaO_3+ chl. ± smec/ill ± marc/py. alternating w/ 12-17' alunite +SiO_2 ± py banding x-cut by 40°, 30, 50, 45° & 55° smec/ill ± $CaCO_3$ ± Q ± marc ± py highly frac'd; very weak arg. alt.; very weak silic.; $CaCO_3$ micro-vnlt' slkwt

ANALYTICAL DATA

FROM	TO	W	Au (opt)	Ag (opt)	Au2	Ag2
0	5	5.0'	0.016	0.14		
5	10	5.0'	0.016	0.20		
10	15	5.0'	0.006	0.05		
15	20	5.0'	0.020	0.10	0.019	
20	25	5.0'	0.013	0.29		

HOLE NUMBER D-3-94 PAGE 2 OF 8

%REC	RQD	LITHOLOGY	FT	GRAPHIC LOG	STRUCTURE	ALTERATION AND MINERALIZATION
94	.49 7 >4"	MOD HD S.A.A.				
30'/50'/70'	3/ft. 34	SOFT -30-43' Massive bedding w/ no apparent laminations	30		32.0 – 34 Moderate to intensely frac'd w/ white smec./ill + @20' 36-40' tectonic cradle bx w/ $CaCO_3$ flooded matrix on opposing 35' & 40' frac's	@20' f.g. open-space Q→ marc. ± py → smec/ill w/ clay dominant. x-cutting earlier ↓ $CaCO_3$ + py micro vnlts.
94	.78 11 >4"		35			diss. py 1% in f.g. SiO_2 flooded cradle bx + py ± sph $CaCO_3$ ± marc ± smec/ill.
35'	1/ft. 44	-43-46 swirled flow-breccia w/in massive bedded tuff w/ tuffaceous f.g. matrix	40			42 – 65.5 highly frac'd cradle bx w/ $CaCO_3$ + smec/ill + marc x-cut by Q→ smec/ill + py + sph. moderate silic. + 1% diss. f.g. py
93	.69 11 >4"	-46-48 flow-breccia w/in planar-laminated f.g. tuff.	45		planar-laminations @ 25'	48' + incr. pale green to dk green sericite-chloritic clay + yellow Cu-bearing py + sph.
25'/70'	2/ft. 54	-48-51.5 planar-laminated f.g. tuff -51.5-55' brecciated-tectonic w/in flow-laminated w/ $CaCO_3$ matrix	50			
72	.71 12 >4"	55-65 flow-laminated f.g. tuff.	55		planar lam's @ 40-45'	
25'/70	2/ft		60			

ANALYTICAL DATA

FROM	TO	W	Au	Ag	Au2	Ag2
25	30	5.0	0.039	0.18		
30	35	5.0'	0.027	0.78		
35	40	5.0'	0.025	0.11		
40	45	5.0'	0.038	0.09		
45	50	5.0'	0.014	0.06		
50	55	5.0'	0.006	0.06		
55	60	5.0'	0.010	0.07		

HOLE NUMBER D-3-94 PAGE 3 OF 8

%REC	RQD	LITHOLOGY	FT	GRAPHIC LOG	STRUCTURE	ALTERATION AND MINERALIZATION
	64	Mod Hd; gry				$CaCO_3$ + py ± Tr spl. par. to lam's & in microvnlt stkwk; <1 to 1% diss. f.g. py cut by incrt grn chlr smec/ill + f.g. py + spl. @ 5' & 85'
81 15'/40'	.25 5>4" 2/ft. 74	Mod; Mod-Mod Hd; pink w/ loc. grn bands; -65-66.3' Tectonic bx w/in flow-laminated f.g. tuff.	65		frac's + $CaCO_3$+py @ 40° & par. to sub par w/ lam @ 15'	65-66.3' Silicified & pug. tectonic bx w/ sandy texture, chl + py + SiO_2 over printed on $CaCO_3$ + smec/ill + marc.
			70			66.3 - 70 Intens frac'ing w/ smec/ill & pale green sericitic clay ± f.g. py @ 20, 60, 80°
		-74-77 Tectonic bx w/in flow-laminate f.g. tuff w/ $CaCO_3$ matrix			74' @ 20° $CaCO_3$+ py/marc. flooded fault contact ↓ tectonic bx w/ $CaCO_3$ matrix to 77' w/ sharp fault contact @ 15°	70-74 Mod. frac'ing. mod. silic.-microvnlts mod.-$CaCO_3$ microvnlts 1-2% diss. f.g. py +Tr ga
93 20'/70'	.37 9>4" 2/ft. 83	cream w/ pale grn bands; -77-94 Flow-laminated, flow-sheared & brecciated f.g. tuff	75			@74 Vn @ 50° truncated by par. stx's @ 20°. tectonic bx flooded by SiO_2 + $CaCO_3$ + py ± chl. ± smec/ill
			80			77-85' minor $CaCO_3$+ smec/ill ± marc./py @ 15' & 65-70'; diss. py < 1%
94 45'	.29 5>4" 1/ft 90	banded pinkish grey, greenish grey to cream; 94-110 Flow-laminated lithic tuff and tuff breccia	85		frac's @ 45'	83-87' 45' & 80-90' $CaCO_3$ + py ± smec/ill ± Tr spl.
						87-106' v. minor $CaCO_3$+ smec/ill ± py on lam's; sporatic - spaced x-cutting $CaCO_3$+ smec/ill + py (commonly after ⊙. xln hexagonal min.) (marc) on 65-90° <1% v.f.g. cubic diss. py
92 20'/45'	.45 7>4" 1/ft	greenish grey w/ cream clasts	90		94' bedded contact @ 20'	
			95			

ANALYTICAL DATA

FROM	TO	W	Au	Ag	Au2	Ag2
60	64.5	4.5'	0.007	0.03		
64.5	67.0	2.5'	0.004	0.07		
67	70	3.0'	0.003	0.04		
70	74	4.0'	0.002	0.05		
74	77	3.0'	0.007	0.07		
77	81	4.0'	0.003	0.03		
81	85	4.0'	0.003	0.02		
85	90	5.0'	0.003	0.03	0.003	
90	95	5.0'	0.002	0.03		

HOLE NUMBER D-3-94 PAGE 4 OF 8

%REC	RQD	LITHOLOGY			FT	GRAPHIC LOG	STRUCTURE	ALTERATION AND MINERALIZATION
	99	MOD-MOD HD	S.A.A	-lithic fragments largely display internal planar lamination			elongated lithic fragments @ 30°	94-110' Mod. intense silic. of groundmass w/mod. intense clay + sulf(py) repl. of lithic clasts. 1-2% diss. cubic f.g. py w/ loc. + 30% clotts @ 98-101 1st & 2nd order reaction rims: pink SiO_2 / clay + py ↓ Δing downward to: clay ± py / Clay + py / pink SiO_2
92	.69 12>4"		pinkish grey w/cream clasts		100		97-98' fault bx w/ $CaCO_3$ + smec/ill heated matrix on 20° frac's.	
40°	1/ft. 109	S	pink matrix w/ bleached cream to wht. clasts		105		frac-fault @ 40° w/ clay + f. to massive py	-106-110' S.A.A. 87-106 + disc. smec/ill vnlts.
		MOD-MOD SOFT	bleached pale cream matrix & clasts	110-127' Carbonate flooded, clay altered, tectonic breccia in flow-laminated fine-grained, well-sorted waterlain tephra/tuff. Clast-supported, angular, rotated clasts; strong clay + sulfide alteration at top and bottom, w/ strong $CaCO_3$ + SiO_2 + sulfides in core @30°	110		contact ≠ unkn. tectonic to crackle bx w/ $CaCO_3$ + SiO_2 + sulf-rich matrix	-109-112' strong smec/ill alt. + vnlts. minor SiO_2 microvnlts; $CaCO_3$ + py after marc ± Cu-bearing py. 5-10% diss cubic, dimorph & py-chedrons.
87	.43 8>4"	MOD	pale grn & cream		115			112-115 $CaCO_3$ c.g. stkwk w/ matrix strong. smec/ill + py alt. -mod. arg. alt. ↳ as py-chedrons & dimorphic 3-7%
40°/70°	3/ft. 119		mottled pink w/ minor pale grn-cream		120			115-119' $CaCO_3$ + py & marc @ 40° & 70-80° stkwk w/ decr. sulfidation & arg. + smec/ill clay alt. 2-4% diss py.
89	.54 10>4"	MOD SOFT	wht		125			119-120' $CaCO_3$ + SiO_2 + py + Tr. Sph. after marc. + minor smec/ill @ 30°
40°/70°	3/ft. 129	MOD SOFT	pinkish cream w/ wht clasts	127-142.5' Matrix-supported, poorly-sorted, flow-laminated, lithic tuff breccia. to massive-bedded	130		contact ≠ unkn. 128-131' frac's @ 25-30° w/ incr. ↓ to 131'	120-126' $CaCO_3$ + py stkwk @ 60°, 35° w/ X-cutting smec/ill + py after marc @ 30° & 50°; SiO_2 ± py micro (hairline) stkwk diss. py 2-4%
								126-127' Intense argillic alt. + f.g. py
								127-131' Mod. intense arg. alt. w/ $CaCO_3$ + smec/ill + py after marc @ 50°; opposing 40°; 80° & 20°; 2-4% diss py; 2nd order reaction rims.

ANALYTICAL DATA

FROM	TO	W	Au	Ag	Au2	Ag2
95	100	5.0'	0.001	0.03		
100	105	5.0'	0.002	0.02		
105	108.5	3.5'	0.003	0.03		
108.5	112	3.5'	0.004	0.04		
112	115	3.0'	0.002	0.02		
115	120	5.0'	0.005	0.03		?
120	124	4.0'	0.005	0.04		
124	127	3.0'	0.003	0.05		
127	131	4.0'	0.004	0.03		

HOLE NUMBER D-3-94 PAGE 5 OF 8

%REC	RQD	LITHOLOGY			FT	GRAPHIC LOG	STRUCTURE	ALTERATION AND MINERALIZATION
87	.39 9 > 4" 40' 0.5/ft. 139	M.S. MOD-MOD HD	S.A.A. pale grn-gry matrix w/ v. pale grn & gry frag's	137-142.5' Coarse-grained, poorly-sorted, matrix-supported, massive-bedded lithic tuff breccia.	135 140		minor slicked frac's @ 40-45' * 136-143' Tr to major constit. of f. to c. grd pyrrhotite + $CaCO_3$ ± Bar Ba + Pyrrh.	131-147.5' Minor $CaCO_3$ + py @ 5°; 65°; barren spec/ill ± $CaCO_3$ @ 60' weak 2nd order react. rims, 2-4% diss sulf (py Δ ing to pyrrh. ↓)
86	.58 8 > 4" 45' 1/ft. 149	MOD M.S. MOD-MOD HD	gry, grn-gry, pinkish gry, cream H gry matrix w/ pink, gry, cream, loc. dk gry clasts & frac's	142.5-147.5' Fine-grained, well-sorted, planar & wavy-laminated waterlain tephra/tuff. Laminations at 10-15°. Alternating pink, grey, cream thinly-bedded. 146.5-147.5 Fault breccia-clayey gouge w/ slicks @ 40°; 55° 147.5-160 Carbonaceous (?) matrix-supported, massive-bedded, coarse-grained (clasts), poorly-sorted lithic tuff breccia w/ a siliceous sandy fine-grained matrix w/ angular altered, massive & laminated silic. &/or clay-sulfide fine-grained tephra/tuff fragments. Carbonaceous black sooty clay on 5, 25, 30 & 40°; 45°; soft's ± white spec/ill ± f.g. open-spac Q ± $CaCO_3$ ± f.g. py ± sulfosalts. Clasts incr. size ↓	145 150		$CaCO_3$ + py un'd contact @ 60° sharp-planar occassional H brn ghost frags of plant material on 40° parting surf's, partially replaced by marc.	147.5-160' Carbonaceous, Cradle bx w/ 2nd, 3rd & 4th order reaction rims on frags in intensely clay alt. g.m. ± silic. 2-10% diss. dimorp & py-ohedrons.
84	.265 4 > 4" 40'/25' 2/ft. 159				155			
86	.53 10 > 4" 30' 1.5/ft.	M.S. M.S.			160 165		162' minor fault bx @ 30' w/ slicks	160-162' S.A.A. decr. blk carb. mat. 162-163.5' faulted S.A.A. w/ strong clay + py alt. of fault bx.

ANALYTICAL DATA

FROM	TO	W	Au	Ag	Au2	Ag2
131	136	5.0'	0.003	0.02		
136	141.5	5.5'	0.004	0.03		
141.5	147.5	6.0'	0.003	0.03		
O.C. 147.5	151	3.5'	0.013	0.10		
OC. 151	155	4.0'	0.021	0.71		
OC. 155	160	5.0'	0.023	1.25		
OC + 54x 160	163.5	3.5	0.048	1.04	0.052	
V.E. + V.G. + SS + R.Ag 163.5	167	3.5'	0.315	8.52	(grav) 0.326	

HOLE NUMBER D-3-94 PAGE 6 OF 8

%REC	RQD	LITHOLOGY	FT	GRAPHIC LOG	STRUCTURE	ALTERATION AND MINERALIZATION
	169	MOD-MOD HD D-3-94 * 167.5-168.1' CST-3			minor slip-surf. w/in 50° sts (post-py)	163.5-166 High-grade S.A.A. w/ plotthy $CaCO_3$ ±smec/ill ± py ± ss, ± ruby Ag ± V.G. ± V.E. w/ minor med. gry greasy waxy (organic-rich) clay (ind. ±sulfo sp-lts)
93	.645 7>4"	MOD s.a.a. w/ tan matrix + from oxid. smec/ill clay alt.	170		163.5'-178' 14.5' @ 0.265, 5.83 163.5'-195' 31.5' @ 0.157, 4.07	166-178' Wavy sulf-rich stringers @ 50°, discont. barren wht smec/ill-$CaCO_3$ vnlts @ 0-30° ; minor SiO_2 + py after marc/pyr @30° Strong 3rd order react. rims, 4-5% diss. f.g. py
55'	0.5/ft.		175			
	179					
84	.38 7>4"	H.S	180			178-185 decr. clay alt. of matrix + incr. silic. reaction rims 1st ; 2nd order ; diss. py incr. ↓ 185' to +10% v. to c. grd. Incr. SiO_2 + py micro vnlts. ↓ open-space f.g. incr. smec/ill + py after marc. ±Tr to minor ss. mod. arg. alt.
55'	0.5/ft	185-189 Block ? of fine-grained planar-laminated, well-sorted, tectonically brecciated water-lain tephra/tuff.	185		contact sharp-planar depositional ? @60°	
	189					
76	.12 1>4"	189-199.5' Coarse-grained, massive-bedded, matrix-supported, lithic tuff breccia.	190		189' contact ? unkn.	185-189 Minor smec/ill + marc/py par. to lam's @ 30° ; minor diss. py decr. silic.
25'/80'/50'	1/ft.	H.S			crackle to fault bx	189-206' minor sulf ± organic carbon-rich clay + py + smec/ill 25', 80', 50' ; weak silic. mod. clay alt. 2-3% diss py Strong smec/ill @25' + marc.-sooty
	195	- 194-194.5' organic carbon-rich clay surrounding large clasts of planar-lam. f.g. tephra/tuff	195		crackle bx	
86	.25 3>4"					
25'	2/ft.	-199.5-206' s.a.a. w/in brecciated planar-lam. f.g. tephra/tuff. organic carbon + py + marc.	200			
	200					

ANALYTICAL DATA

FROM	TO	W	Au	Ag	Au2	Ag2
167.0	170.0	3.0'	0.043	0.60		
170	174	4.0'	0.156	2.61	(grav) 0.157	
174	178	4.0'	0.478	10.61	(grav) 0.486	
178	181.5	3.5'	0.046	2.72		
181.5	185	3.5'	0.093	6.65	(grav) 0.097	
185	190	5.0'	0.025	0.70		
190	195	5.0	0.098	1.49	(grav) 0.106	
195	200	5.0'	0.020	0.86		

HOLE NUMBER D-3-94 PAGE 7 OF 8

%REC	RQD	LITHOLOGY			FT	GRAPHIC LOG	STRUCTURE	ALTERATION AND MINERALIZATION
103	.11 2 > 4" 3/ft. 25/80/50	MOD 20FT-MOD	S.A.A	199.5' – 238' Fine-grained, planar laminated, well-sorted, clay-altered waterlain tephra/tuff w/ brecciation and carbonate/silica – sulfide flooding as described to right.	205 210		Crackle – to fault bx ↓ 219'	206-222' Highly frac'd w/fault gouge clays loc. w/ angular frag's strong smec/ill alteration of g.m. & as stk wk veins + sooty marc. ± open-space Q ± py
89	.17 4 > 4" 3/ft. 25/80/50				215 220			
87	.32 7 > 4' 2/ft. 25/80/50			* 227.7 – 228.3' D-3-94 CST-4	225 230		222-232' Vuggy tectonic crackle bx w/ SiO_2 + py + marc. ± Open-space bar. possible collapse bx solution – Ba	222-232 f.g. drusy Q ± smec/ill + bar ± marc ± py + spl. matrix
76	.00 0 > 4" 0.5/ft.				235			

ANALYTICAL DATA

FROM	TO	W	Au	Ag	Au2	Ag2
200	205	5.0'	0.039	3.55		
205	210	5.0'	0.010	0.43		
210	215	5.0'	0.007	0.27		
215	220	5.0'	0.009	0.13		
220	225	5.0'	0.005	0.14		
225	230	5.0'	0.005	0.15		
230	234	4.0'	0.004	0.09		

HOLE NUMBER D-3-94 PAGE 8 OF 8

%REC	RQD	LITHOLOGY	FT	GRAPHIC LOG	STRUCTURE	ALTERATION AND MINERALIZATION	ANALYTICAL DATA FROM	TO	W	Au	Ag	Au2	Ag2
	238						234	238	4.0'	0.004	0.10		
		END OF HOLE 238'	240										

ANALYSIS REPORT

American Assay Laboratories

P.O. BOX 71060
RENO, NV,,U.S.A.,
Ph.1-702-356-0606, Fax.1-702-356-1413
Telex:

HECLA MINING CO.

COPIES TO : CHARLIE MUERHOFF
:
:
:

CLIENT REFERENCE No: D-3-94
LABORATORY JOB No. : SP030245
SAMPLE TYPE :

RECEIVED : 1/08/94
REPORTED : 17/08/94
No. SAMPLES : 54

ANALYSIS	ANALYTICAL METHOD	QUALITY PARAMETER	UNIT	DETECTION
Au(OZ)	FA60	15%	OPT	0.001
Au(RZ)	FA60	15%	OPT	0.001
AuGRAV	GRAV	15%	OPT	0.001
Ag(OZ)	D210	10%	OPT	0.02

SIGNATORY : Sue Faircloth M.S.

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT

American Assay Laboratories

CLIENT : HECLA MINING CO.
PROJECT : ROSEBUD
REFERENCE : D-3-94
JOB NUMBER : SP030245
REPORTED : 17/08/94

SAMPLES	Au(OZ) FA60 OPT	Au(RZ) FA60 OPT	AuGRAV GRAV OPT	Ag(OZ) D210 OPT
D-3-94 00-05	0.016			0.14
D-3-94 05-10	0.016			0.20
D-3-94 10-15	0.006			0.05
D-3-94 15-20	0.020	0.019		0.10
D-3-94 20-25	0.013			0.29
D-3-94 25-30	0.039			0.18
D-3-94 30-35	0.027			0.78
D-3-94 35-40	0.025			0.11
D-3-94 40-45	0.038			0.09
D-3-94 45-50	0.014			0.06
D-3-94 50-55	0.006			0.06
D-3-94 55-60	0.010			0.07
D-3-94 60-64.5	0.007			0.03
D-3-94 64.5-67	0.004			0.07
D-3-94 67-70	0.003			0.04
D-3-94 70-74	0.002			0.05
D-3-94 74-77	0.007			0.07
D-3-94 77-81	0.003			0.03
D-3-94 81-85	0.003			0.02
D-3-94 85-90	0.003	0.003		0.03
D-3-94 90-95	0.002			0.03
D-3-94 95-100	0.001			0.02
D-3-94 100-105	0.002			0.02
D-3-94 105-108.5	0.003			0.03
D-3-94 108.5-112	0.004			0.04

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT

American Assay Laboratories

CLIENT : HECLA MINING CO.
PROJECT : ROSEBUD
REFERENCE : D-3-94
JOB NUMBER : SP030245
REPORTED : 17/08/94

SAMPLES	Au(OZ) FA60 OPT	Au(RZ) FA60 OPT	AuGRAV GRAV OPT	Ag(OZ) D210 OPT
D-3-94 112-115	0.002			0.02
D-3-94 115-120	0.005			0.03
D-3-94 120-124	0.005			0.04
D-3-94 124-127	0.003			0.05
D-3-94 127-131	0.004			0.03
D-3-94 131-136	0.003			0.02
D-3-94 136-141.5	0.004			0.03
D-3-94 141.5-147.5	0.003			0.03
D-3-94 147.5-151	0.013			0.10
D-3-94 151-155	0.021			0.71
D-3-94 155-160	0.023			1.25
D-3-94 160-163.5	0.048	0.052		1.04
D-3-94 163.5-167	0.315		0.326	8.52
D-3-94 167-170	0.043			0.60
D-3-94 170-174	0.156		0.157	2.61
D-3-94 174-178	0.478		0.486	10.61
D-3-94 178-181.5	0.046			2.72
D-3-94 181.5-185	0.093		0.097	6.65
D-3-94 185-190	0.025			0.70
D-3-94 190-195	0.098		0.106	1.49
D-3-94 195-200	0.020			0.86
D-3-94 200-205	0.039			3.55
D-3-94 205-210	0.010			0.43
D-3-94 210-215	0.007			0.27
D-3-94 215-220	0.009			0.13

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT

American Assay Laboratories

CLIENT : HECLA MINING CO.
PROJECT : ROSEBUD
REFERENCE : D-3-94
JOB NUMBER : SP030245
REPORTED : 17/08/94

SAMPLES	Au(OZ) FA60 OPT	Au(RZ) FA60 OPT	AuGRAV GRAV OPT	Ag(OZ) D210 OPT
D-3-94 220-225	0.005			0.14
D-3-94 225-230	0.005			0.15
D-3-94 230-234	0.004			0.09
D-3-94 234-238	0.004			0.10

ANALYSIS REPORT

American Assay Laboratories

P.O. BOX 71060
RENO, NV,,U.S.A.,
Ph.1-702-356-0606, Fax.1-702-356-1413
Telex:

HECLA MINING CO.

COPIES TO : CHARLIE MUERHOFF

:

:

:

CLIENT REFERENCE No: D-3-94

LABORATORY JOB No. : SP030465

SAMPLE TYPE :

RECEIVED : 15/08/94

REPORTED : 26/08/94

No. SAMPLES : 2

ANALYSIS	ANALYTICAL METHOD	QUALITY PARAMETER	UNIT	DETECTION
Au(OZ)	FA60	15%	OPT	0.001
Au(RZ)	FA60	15%	OPT	0.001
Ag(OZ)	D210	10%	OPT	0.02

SIGNATORY : Sue Faircloth M.S.

AMERICAN ASSAY LABORATORIES
ANALYSIS REPORT

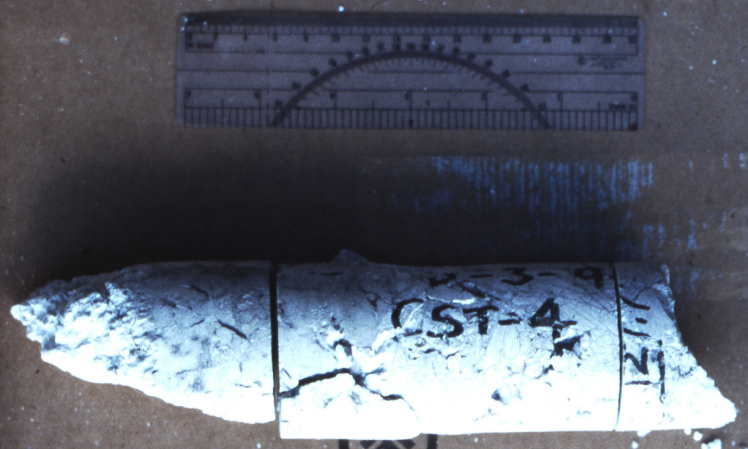
American Assay Laboratories

CLIENT : HECLA MINING CO.
PROJECT : ROSEBUD
REFERENCE : D-3-94
JOB NUMBER : SP030465
REPORTED : 26/08/94

SAMPLES	Au(OZ) FA60 OPT	Au(RZ) FA60 OPT	Ag(OZ) D210 OPT
D-3-94 227.7-228.3	0.005	0.005	0.12

NO. 17-303 HQ BOTTOM
1-3-9
ST-4
CADE
CST-4

NO. 17-505 HQ BOTTOM



BOISE CASCADE

CST -4