60000751

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. RBW-18
AUTHOR	C. Muerhoff; S. King; J. Wright
DATE OF DOC(S)	1995
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
COMMODITY If not obvious	gold; silver
NOTES	Assay; receipt; total depth 1885'; handwritten notes; directional survey drill log; geology 118p.) oversized sheet

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 4/20/08
Initials Date

DB:
Initials Date

SCANNED:
Initials Date

Revised: 1/22/08

RBW-18

6000 0751
4010

AMERICAN ASSAY LABORATORIES

6000 0751

ANALYSIS REPORT SP036432

American Assay Laboratories

P.O. BOX 11530
RENO, NV,,USA
Ph.1-702-356-0606, Fax.1-702-356-1413

HECLA MINING CO.

COPIES TO : CHARLIE MUERHOFF
:
:
:

CLIENT REFERENCE No: RBW-18 RECEIVED : 10 NOV 1995

No. SAMPLES : 189 REPORTED : 6 DEC 1995

MAIN SAMPLE TYPE : DRILL CUTTINGS

ANALYSIS	ANALYTICAL METHOD	QUALITY PARAMETER	UNIT	DETECTION
Au	FA60	15%	ppb	5
Au(R)	FA60	15%	ppb	5
Ag	D210	10%	ppm	0.5

SIGNATORY : Sue King M.S.

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP036432

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CLIENT : HECLA MINING CO.
PROJECT : ROSEBUD
REFERENCE : RBW-18

REPORTED : 6 DEC 1995

SAMPLES	Au FA60 ppb	Au(R) FA60 ppb	Ag D210 ppm
RBW-18 0000-0010	81		1.4
RBW-18 0010-0020	130		1.3
RBW-18 0020-0030	136	132	2.4
RBW-18 0030-0040	312		3.0
RBW-18 0040-0050	247		3.0
RBW-18 0050-0060	37		0.9
RBW-18 0060-0070	13		0.6
RBW-18 0070-0080	66		0.7
RBW-18 0080-0090	45		0.9
RBW-18 0090-0100	<5		0.7
RBW-18 0100-0110	<5		<0.5
RBW-18 0110-0120	<5		<0.5
RBW-18 0120-0130	<5		<0.5
RBW-18 0130-0140	<5		1.3
RBW-18 0140-0150	<5		0.6
RBW-18 0150-0160	<5		0.6
RBW-18 0160-0170	<5		<0.5
RBW-18 0170-0180	<5		<0.5
RBW-18 0180-0190	<5		<0.5
RBW-18 0190-0200	<5		<0.5
RBW-18 0200-0210	<5		<0.5
RBW-18 0210-0220	<5		<0.5
RBW-18 0220-0230	<5		<0.5
RBW-18 0230-0240	<5		<0.5
RBW-18 0240-0250	<5		<0.5

AMERICAN ASSAY LABORATORIES

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REPORTED : 6 DEC 1995

SAMPLES	Au FA60 ppb	Au(R) FA60 ppb	Ag D210 ppm
RBW-18 0250-0260	<5		<0.5
RBW-18 0260-0270	<5	<5	<0.5
RBW-18 0270-0280	<5		<0.5
RBW-18 0280-0290	<5		<0.5
RBW-18 0290-0300	<5		<0.5
RBW-18 0300-0310	<5		<0.5
RBW-18 0310-0320	<5		<0.5
RBW-18 0320-0330	<5		<0.5
RBW-18 0330-0340	<5		<0.5
RBW-18 0340-0350	<5		<0.5
RBW-18 0350-0360	<5		<0.5
RBW-18 0360-0370	<5		<0.5
RBW-18 0370-0380	<5		<0.5
RBW-18 0380-0390	<5		<0.5
RBW-18 0390-0400	<5		<0.5
RBW-18 0400-0410	<5		<0.5
RBW-18 0410-0420	<5	<5	<0.5
RBW-18 0420-0430	<5		<0.5
RBW-18 0430-0440	<5		<0.5
RBW-18 0440-0450	<5	<5	<0.5
RBW-18 0450-0460	<5		<0.5
RBW-18 0460-0470	<5		<0.5
RBW-18 0470-0480	<5		<0.5
RBW-18 0480-0490	<5		<0.5
RBW-18 0490-0500	<5		<0.5

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REPORTED : 6 DEC 1995

SAMPLES	Au FA60 ppb	Au(R) FA60 ppb	Ag D210 ppm
RBW-18 0500-0510	<5		<0.5
RBW-18 0510-0520	<5		<0.5
RBW-18 0520-0530	<5		<0.5
RBW-18 0530-0540	<5		<0.5
RBW-18 0540-0550	<5		<0.5
RBW-18 0550-0560	<5		<0.5
RBW-18 0560-0570	<5		<0.5
RBW-18 0570-0580	<5		<0.5
RBW-18 0580-0590	<5		<0.5
RBW-18 0590-0600	<5		<0.5
RBW-18 0600-0610	<5	<5	<0.5
RBW-18 0610-0620	<5		<0.5
RBW-18 0620-0630	<5		<0.5
RBW-18 0630-0640	<5		<0.5
RBW-18 0640-0650	<5		<0.5
RBW-18 0650-0660	<5		<0.5
RBW-18 0660-0670	<5		<0.5
RBW-18 0670-0680	<5		<0.5
RBW-18 0680-0690	<5		<0.5
RBW-18 0690-0700	<5		<0.5
RBW-18 0700-0710	<5		<0.5
RBW-18 0710-0720	<5		<0.5
RBW-18 0720-0730	<5		<0.5
RBW-18 0730-0740	<5		<0.5
RBW-18 0740-0750	<5		<0.5

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SAMPLES	Au FA60 ppb	Au(R) FA60 ppb	Ag D210 ppm
RBW-18 0750-0760	<5	<5	<0.5
RBW-18 0760-0770	<5		<0.5
RBW-18 0770-0780	<5		<0.5
RBW-18 0780-0790	<5		<0.5
RBW-18 0790-0800	<5		<0.5
RBW-18 0800-0810	<5		<0.5
RBW-18 0810-0820	<5		<0.5
RBW-18 0820-0830	<5		<0.5
RBW-18 0830-0840	<5	<5	<0.5
RBW-18 0840-0850	<5		<0.5
RBW-18 0850-0860	<5		<0.5
RBW-18 0860-0870	<5		<0.5
RBW-18 0870-0880	<5		<0.5
RBW-18 0880-0890	<5		<0.5
RBW-18 0890-0900	<5		<0.5
RBW-18 0900-0910	<5		<0.5
RBW-18 0910-0920	<5		<0.5
RBW-18 0920-0930	<5		<0.5
RBW-18 0930-0940	<5		<0.5
RBW-18 0940-0950	<5		<0.5
RBW-18 0950-0960	<5		<0.5
RBW-18 0960-0970	26		0.7
RBW-18 0970-0980	24		0.7
RBW-18 0980-0990	<5		<0.5
RBW-18 0990-1000	<5		<0.5

AMERICAN ASSAY LABORATORIES

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American Assay Laboratories

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REPORTED : 6 DEC 1995

SAMPLES	Au FA60 ppb	Au(R) FA60 ppb	Ag D210 ppm
RBW-18 1000-1010	<5		<0.5
RBW-18 1010-1020	<5		<0.5
RBW-18 1020-1030	<5		<0.5
RBW-18 1030-1040	56	80	0.7
RBW-18 1040-1050	18		1.0
RBW-18 1050-1060	<5		1.2
RBW-18 1060-1070	<5		0.7
RBW-18 1070-1080	<5		<0.5
RBW-18 1080-1090	<5		<0.5
RBW-18 1090-1100	<5		<0.5
RBW-18 1100-1110	<5		<0.5
RBW-18 1110-1120	<5		0.6
RBW-18 1120-1130	5		1.0
RBW-18 1130-1140	<5		<0.5
RBW-18 1140-1150	<5		0.6
RBW-18 1150-1160	8		0.9
RBW-18 1160-1170	23		1.3
RBW-18 1170-1180	22		1.7
RBW-18 1180-1190	16		1.4
RBW-18 1190-1200	8		1.0
RBW-18 1200-1210	12		1.6
RBW-18 1210-1220	<5		1.0
RBW-18 1220-1230	<5		0.7
RBW-18 1230-1240	<5		<0.5
RBW-18 1240-1250	13		0.6

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SAMPLES	Au FA60 ppb	Au(R) FA60 ppb	Ag D210 ppm
RBW-18 1250-1260	10		1.4
RBW-18 1260-1270	<5		0.6
RBW-18 1270-1280	<5		1.0
RBW-18 1280-1290	<5		0.9
RBW-18 1290-1300	<5		0.7
RBW-18 1300-1310	<5		0.9
RBW-18 1310-1320	14		0.7
RBW-18 1320-1330	11		0.6
RBW-18 1330-1340	9		<0.5
RBW-18 1340-1350	<5		<0.5
RBW-18 1350-1360	<5		<0.5
RBW-18 1360-1370	6		0.6
RBW-18 1370-1380	14	13	<0.5
RBW-18 1380-1390	62		0.5
RBW-18 1390-1400	<5		0.5
RBW-18 1400-1410	<5		<0.5
RBW-18 1410-1420	76		0.8
RBW-18 1420-1430	8		0.8
RBW-18 1430-1440	6		0.6
RBW-18 1440-1450	<5		0.9
RBW-18 1450-1460	<5		0.9
RBW-18 1460-1470	<5		<0.5
RBW-18 1470-1480	<5		<0.5
RBW-18 1480-1490	<5		0.5
RBW-18 1490-1500	<5		0.5

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PROJECT : ROSEBUD
REFERENCE : RBW-18

REPORTED : 6 DEC 1995

SAMPLES	Au FA60 ppb	Au(R) FA60 ppb	Ag D210 ppm
RBW-18 1500-1510	<5		<0.5
RBW-18 1510-1520	<5		<0.5
RBW-18 1520-1530	<5		<0.5
RBW-18 1530-1540	<5	<5	<0.5
RBW-18 1540-1550	<5		<0.5
RBW-18 1550-1560	14		0.9
RBW-18 1560-1570	120	108	1.0
RBW-18 1570-1580	<5		<0.5
RBW-18 1580-1590	8		0.6
RBW-18 1590-1600	13		0.6
RBW-18 1600-1610	18		<0.5
RBW-18 1610-1620	<5		<0.5
RBW-18 1620-1630	<5		<0.5
RBW-18 1630-1640	<5		<0.5
RBW-18 1640-1650	<5		<0.5
RBW-18 1650-1660	<5		<0.5
RBW-18 1660-1670	11		0.9
RBW-18 1670-1680	5		0.6
RBW-18 1680-1690	<5		<0.5
RBW-18 1690-1700	<5		<0.5
RBW-18 1700-1710	<5		<0.5
RBW-18 1710-1720	8		<0.5
RBW-18 1720-1730	<5		<0.5
RBW-18 1730-1740	<5		<0.5
RBW-18 1740-1750	<5		<0.5

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP036432

American Assay Laboratories

CLIENT : HECLA MINING CO.
PROJECT : ROSEBUD
REFERENCE : RBW-18

REPORTED : 6 DEC 1995

SAMPLES	Au FA60 ppb	Au(R) FA60 ppb	Ag D210 ppm
RBW-18 1750-1760	<5		<0.5
RBW-18 1760-1770	<5		<0.5
RBW-18 1770-1780	8		<0.5
RBW-18 1780-1790	<5		<0.5
RBW-18 1790-1800	<5		<0.5
RBW-18 1800-1810	<5		<0.5
RBW-18 1810-1820	<5		<0.5
RBW-18 1820-1830	<5		<0.5
RBW-18 1830-1840	6		<0.5
RBW-18 1840-1850	<5		<0.5
RBW-18 1850-1860	<5		<0.5
RBW-18 1860-1870	<5		<0.5
RBW-18 1870-1880	5		<0.5
RBW-18 1880-1885	<5		<0.5

FOTOBOR FIELD NOTE SHEET

BY: J. Wright
DATE: 10-26-95

DRILL HOLE: RBW-18
LOCATION:
BEARING: S45W
INCLINATION: 88°

Time (min.)	Depth	Notes	Depth	Notes	Time (min.)	Depth	Notes	Depth	Notes
1	—	Rigging			31	630			
2	—	"			32	660			
3	—	"			33	690			
4	—	"			34	720			
5	—	"			35	750			
6	—	"			36	780	Cable came off cable counter wheel		
7	—	"			37	780			
8	—	"			38	780			
9	0	Collar			39	810			
10	0	Collar			40	840			
11	30				41	870			
12	60				42	900			
13	90				43	930			
14	120				44	960			
15	150				45	990			
16	180				46	1020			
17	210				47	1050			
18	240				48	1080			
19	270				49	1110			
20	300				50	1140			
21	330				51	1170			
22	360				52	1200			
23	390				53	1230			
24	420				54	1260			
25	450				55	1290			
26	480				56	1320			
27	510				57	1350			
28	540				58	1380			
29	570				59	1410			
30	600				60	1440			
					61	1470			
					62	1500			
					63	1530			
					64	1560			
					65	1590			
					66	1620			
					67	1650			
					68	1680			
					69	1710	- out of wire line		
						End			

bottom of hole: 1885
- ft. pulled off bottom: 20
- in-hole tools: 10
- survey rod length: N.A. 40

SURVEY TO: 1710

DRILLHOLE DIP AND DIRECTION MEASUREMENTS WITH REFLEX FOTOBOR DDI

CUSTOMER: HECLA
CUSTOMER REFERENCE: ROSEBUD
SURVEYOR: J. WRIGHT
DATE: 10-26-95
DRILL HOLE: RBW-18
NO CASING

COLLAR POSITION

X(FT)	Y(FT)	Z(FT)	DIP (DEG.)	DIR. (DEG.)
482833.8	2204681	5335.51	88	224.99

POSITION AT 1740 FT

X(FT)	Y(FT)	Z(FT)	DIP (DEG.)	DIR. (DEG.)
482806.1	2204590	3598.43	86.64	266.14

LOCAL COORDINATES AT 1740 FT
Y-LOC= 44.69 FT TO THE RIGHT
Z-LOC= 23.09 FT UPWARDS

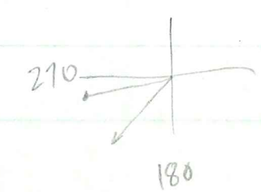
N

RESULTS

STATION (FT)	X(FT)	Y(FT)	Z(FT)	DIP (DEG.)	DIR. (DEG.)
0	482833.8	2204681	5335.51	88	224.99
30	482833	2204680	5305.52	88.01	225.03
60	482832.2	2204679	5275.54	87.92	223.85
90	482831.4	2204678	5245.57	87.78	224.07
120	482830.6	2204678	5215.59	87.82	223.5
150	482829.7	2204677	5185.61	87.6	223.14
* 150	5.76	.03	.52		
180	482828.8	2204676	5155.64	87.5	222.49
210	482827.8	2204675	5125.67	87.46	222.33
240	482826.8	2204674	5095.7	87.54	222.9
270	482825.9	2204673	5065.73	87.46	222.38
300	482824.9	2204672	5035.76	87.38	224.58
* 300	12.21	-.33	1.74		
330	482823.9	2204671	5005.79	87.39	225.58
360	482823	2204670	4975.82	87.41	226.19
390	482822	2204669	4945.85	87.38	225.84
420	482821.1	2204668	4915.88	87.36	224.83
450	482820.1	2204667	4885.92	87.38	226.93
* 450	19.21	-.08	3.5		
480	482819.3	2204666	4855.95	87.18	230.09
510	482818.4	2204665	4825.99	87.05	233.16
540	482817.5	2204664	4796.03	86.91	235.52
570	482816.6	2204662	4766.07	86.93	234.78
600	482815.7	2204661	4736.11	87.05	234.92
* 600	26.71	1.12	5.78		
630	482814.9	2204660	4706.15	87.07	237.93

660	482814.2	2204658	4676.19	87	240.78
690	482813.5	2204657	4646.24	86.92	242.97
720	482812.8	2204655	4616.28	86.76	245.04
750	482812.2	2204654	4586.33	86.65	247.04
* 750	34.39	3.87	8.23		
780	482811.6	2204652	4556.38	86.61	248.9
810	482811	2204650	4526.44	86.68	250.72
840	482810.5	2204649	4496.49	86.61	253.14
870	482810.1	2204647	4466.54	86.5	255.51
900	482809.8	2204645	4436.6	86.47	257.62
* 900	42.19	8.26	10.79		
930	482809.5	2204643	4406.66	86.39	259.38
960	482809.2	2204641	4376.71	86.37	260.96
990	482809	2204640	4346.77	86.66	262.19
1020	482808.8	2204638	4316.82	86.68	263.97
1050	482808.8	2204636	4286.87	86.85	265.55
* 1050	49.15	13.77	12.52		
1080	482808.6	2204635	4256.91	86.99	265.08
1110	482808.4	2204633	4226.95	87.12	263.67
1140	482808.3	2204631	4197	86.44	265.78
1170	482808.1	2204629	4167.06	85.96	264.78
1200	482807.8	2204627	4137.14	85.9	263.64
* 1200	56.18	19.5	14.32		
1230	482807.7	2204625	4107.21	85.94	265.37
1260	482807.6	2204623	4077.28	86.14	267.1
1290	482807.5	2204621	4047.35	86.22	267.47
1320	482807.5	2204619	4017.42	85.96	268.61
1350	482807.5	2204617	3987.5	85.96	268.81
* 1350	63.68	26.49	16.6		
1380	482807.4	2204615	3957.57	86	267.78
1410	482807.3	2204613	3927.64	86.09	266.98
1440	482807.1	2204611	3897.71	86.27	266.59
1470	482807.1	2204609	3867.77	86.3	267.97

1500	482807	2204607	3837.84	86.01	268.57
* 1500	71.26	33.42	18.95		
1530	482807	2204605	3807.92	85.6	269.12
1560	482806.9	2204602	3778.01	85.67	268.4
1590	482806.8	2204600	3748.09	85.81	267.56
1620	482806.7	2204598	3718.16	86	266.95
1650	482806.6	2204596	3688.24	85.98	266.74
* 1650	79.23	40.81	21.7		
1680	482806.4	2204594	3658.31	86.07	266.26
1710	482806.3	2204592	3628.38	86.13	264.67
1740	482806.1	2204590	3598.43	86.64	266.14
* 1740	83.77	44.69	23.09		



Filename: drbLOG.xls

PROJECT: ROSEBUD	STATE: Nevada	NORTHING:	TOTAL Page 1/ 8
LOGD BY: MWB	COUNTY: Pershing	EASTING:	BEARING:
UTM#: NK 11-10-06	SEC. T. N., R.	ELEVATION:	ANGLE:

HOLE#: RWB
DRB 18

DRILLING NOTES	STRATIGRAPHY/LITHOLOGY																		STRCT			ALTERATION & MINERALIZATION															COMMENTS	
TIME / Dates, H2O, Casing, Bits, Hole Co	COLOR (WET)	ALUVM	BADGER	CHOCOLT	BUD	BRADY	MKR POR	LBUD	DOZER	WILDROS	SURGTUF	ASH FLO	AVA	AUTOBXA	INTRUSV	BASALT	ANDESIT	RHYOLIT	BROKEN	GOUGE	GRAPHIC	OXD'T'N MANGAN	HEMAT	LIMON	PYRITE	GRAPHIC	UNALTRD	PROPYLT	ARG	RPL SIL	STKWKS	VEINS	CALCITE		GRAPHIC	Sample Recovery / Composite Geochem Intervals	SAMPLE No.
DEPTH in FEET		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		17	18	19	20		21	22	22	23	24	25	26	27							
10																																					abclay → alluvium?	5
20																																						10
30	WTE+ TAN																																				XTAL TUFF w/pumace frags	15
40																																						20
50																																						25
60																																						30
70																																						35
80																																						40
90																																						45
100																																						50
110	TAN																																					55
120																																						60
130																																						65
140																																						70
150																																						75
160																																						80
170	LT Purple																																					85
180																																						90
190																																						95
200																																						100
210	LT PURPLE																																				Tan matrix + wte angular lithics w/wk diss py (pumice)	105
220																																						110
230																																						115
240																																						120
250																																						125
																																						130
																																						135
																																						140
																																						145
																																						150
																																						155
																																						160
																																					chocolate as below w/more clay less lithified	165
																																						170
																																						175
																																						180
																																						185
																																						190
																																						195
																																						200
																																					fragments showing welding textures?	205
																																						210
																																						215
																																						220
																																						225
																																						230
																																						235
																																						240
																																						245
																																						250

Filename: drbLOG.xls

PROJECT: ROSEBUD	STATE: Nevada	NORTHING:	TOTAL Page 2/8	HOLE#: RWB
LOGD BY: MWB	COUNTY: Pershing	EASTING:	BEARING:	DRB 18
UTM#: NK 11-10-06	SEC. T. N., R.	ELEVATION:	ANGLE:	

DEPTH in FEET	DRILLING NOTES (TIME: Dates, H20, Casing, Bits, Hole Co)	COLOR (WET)	1 ALUVM	2 BADGER	3 CHOCOLT	4 BUD	5 BRADY	6 MKR PORR	7 BUD	8 OZER	9 WILDROS	10 SURGTUF	11 SHOFLO	12 LAVA0	13 AUTOBXA	11 INTRUSV	12 BASALT	13 ANDESIT	14 RHYOLIT	15 BROKEN	16 GOUGE	GRAPHIC	17 OXD'T'N MANGAN	18 HEMAT	19 LIMON	20 PYRITE	GRAPHIC	21 UNALTRD	22 PROPYLT	22 ARG	23 PLSIL	24 STKWKS	25 VEINS	26 CALCITE	27	GRAPHIC	COMMENTS: Sample Recovery / Composite Geochem Intervals	SAMPLE No.
260		LT PURPLE																																				fine equigranular flow w/ fine oxmatrix	255
		↓																																					260
270		WHE																								1			1	3									265
																																						alteration probably fracture controlled	270
280																																							275
																																							280
290																																							285
																																							290
300		LT PURPLE																																					295
		Lt +																																					300
310		RED BRN																																					305
																																							310
320																																							315
		↓																																					320
330		TAN +																								1			2										325
		LT GRN																																				alteration probably fracture controlled.	330
340																																							335
																																							340
350																																							345
																																							350
360																																							355
		↓																																					360
370		LT PURPLE																																					365
		+																																					370
380		RD BRN																																					375
																																							380
390																																							385
																																							390
400																																							395
		↓																																					400
410		LT PURPLE																																				fine, equigranular flow	405
		+																																					410
420		RD BRN																																					415
																																							420
430																																							425
																																							430
440																																							435
																																							440
450																																							445
																																							450
460																																							455
																																							460
470																																							465
																																							470
480																																							475
																																							480
490																																							485
																																							490
500		↓																																					495
																																							500

Filename: drbLOG.xls

PROJECT: ROSEBUD	STATE: Nevada	NORTHING:	TOTAL: Page 3/ 8
LOGD BY: MWB	COUNTY: Pershing	EASTING:	BEARING:
UTM#: NK 11-10-06	SEC. T. N., R.	ELEVATION:	ANGLE:

HOLE#: RBW DRB 18

DEPTH in FEET	DRILLING NOTES: TIME	Dates, H2O, Casing, Bits, Hole Co	COLOR (WET)	STRATIGRAPHY/LITHOLOGY: ALUVMO (1)	BADGER (2)	CHOCOLT (3)	UBUD (4)	BRADY (5)	MKR POR (6)	LBUD (7)	DOZER (8)	WILDROS (9)	SURGTUF (10)	ASHOFLO (11)	LAVA00 (12)	AUTOBXA (13)	INTRUSV (11)	BASALT (12)	ANDESIT (13)	RHYOLIT (14)	STRCT: BROKEN (15)	GOUGE (16)	GRAPHIC	ALTERATION & MINERALIZATION: OXD'T'N: GANGAN (17)	HEMAT (18)	LIMON (19)	PYRITE (20)	GRAPHIC	UNALTRD (21)	ROPYLT (22)	ARG (22)	RPL SIL (23)	STKWKS (24)	VEINS (25)	CALCITE (26)	(27)	GRAPHIC	COMMENTS: Sample Recovery / Composite Geochem Intervals	SAMPLE No
510			RD BRN																																			fine, equigranular flow w/ biotite	505
520																																							510
530																																							515
540																																							520
550																																							525
560																																							530
570																																							535
580																																							540
590																																							545
600																																							550
610			RD BRN																																			Red brn matrix, wht lithics	555
620																																							560
630			GRN + LT GRY																											1 2									565
640																																							570
650																																							575
660			TAN + RED BRN																																			RED BRN MATRIX, AB LITHICS	580
670																																							585
680			LT PURPLE BRN																																			LITHIC RICH ZONE	590
690																																							595
700																																							600
710																																							605
720			GRY																																			fine grained w/ glomeroporphyritic texture.	610
730																																							615
740																																							620
750																																							625

Filename: drbLOG.xls

PROJECT: ROSEBUD	STATE: Nevada	NORTHING:	TOTAL	Page 4/8	HOLE#: RWB
LOGD BY: MWB	COUNTY: Pershing	EASTING:	BEARING:		DRB 18
UTM#: NK 11-10-06	SEC. T. N., R.	ELEVATION:	ANGLE:		

DRILLING NOTES: TIME | Dates, H20, Casing, Bits, Hole C

STRATIGRAPHY/LITHOLOGY

DEPTH in FEET	COLOR (WET)	ALUVM (1)	BADGER (2)	CHOCOLT (3)	UBUD (4)	BRADY (5)	MKRPOR (6)	LBUD (7)	DOZER (8)	WILDROS (9)	SURGTUF (10)	ASHOFLO (11)	LAVA0 (12)	AUTOBXA (13)	INTRUSV (14)	BASALT (15)	ANDESIT (16)	RHYOLIT (17)	BROKEN (18)	GOUGE (19)	GRAPHIC
760	GRAY																				
770	RED BRN																				
780																					
790	GREEN																				
800																					
810	RD BRN +																				
820	GREEN																				
830	GRY + RED BRN																				
840																					
850																					
860																					
870																					
880																					
890																					
900																					
910	GRY																				
920	GRY + RED BRN																				
930																					
940																					
950																					
960																					
970																					
980	TAN																				
990																					
1000																					

STRCT GRAPHIC

ALTERATION & MINERALIZATION

DEPTH in FEET	OXD'T'N GANGAN (17)	HEMAT (18)	LIMON (19)	PYRITE (20)	GRAPHIC	UNALTRD (21)	PROPYLT (22)	ARG (22)	RPLSIL (23)	STKWKS (24)	VEINS (25)	CALCITE (26)	(27)	GRAPHIC
760				1										
770		1												
780														
790							2							
800														
810		2					3	1						
820														
830		2					1							
840														
850														
860														
870														
880														
890														
900														
910		1												
920		2												
930														
940														
950														
960														
970														
980							2							
990														
1000														

COMMENTS

Sample Recovery

Composite Geochem Intervals

SAMPLE No	COMMENTS
755	fine grained w/ glomeroporphyritic texture + fine bint.
760	
765	Red bro matrix w/ wte + gray lithics
770	
775	
780	
785	mixture of lithics → surge tuff
790	
795	
800	
805	ab chlorit in veinlets w/ clay
810	
815	
820	
825	v fine grained flow + local thin flow bxa.
830	
835	
840	
845	
850	
855	
860	
865	
870	
875	
880	
885	
890	
895	
900	
905	
910	
915	LBT?
920	
925	
930	
935	
940	
945	
950	
955	
960	
965	
970	
975	v fine grained flow foliated.
980	
985	
990	
995	
1000	

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PROJECT: ROSEBUD	STATE: Nevada	NORTHING:	TOTAL: Page 1/1 5/8
LOGD BY: MWB	COUNTY: Pershing	EASTING:	BEARING:
UTM#: NK 11-10-06	SEC. T. N., R.	ELEVATION:	ANGLE:

HOLE#: RWB DRB 18

DRILLING NOTES: TIME | Dates, H2O, Casing, Bits, Hole Co

STRATIGRAPHY/LITHOLOGY

DEPTH in FEET	COLOR (WET)	1 ALLUVM	2 ADGER	3 CHOCOLT	4 BUD	5 BRADY	6 MKRPOR	7 BUD	8 DOZER	9 WILDROS	10 SURGTUF	11 ASH FLO	12 AVA	13 AUTOBXA	11 INTRUSV	12 BASALT	13 ANDESIT	14 HYOLIT	15 ROKEN	16 OUGE	GRAPHIC
1010	LTPURPLE																				
1020																					
1030	TAN																				
1040	WTE																				
1050																					
1060	BLK																				
1070																					
1080																					
1090																					
1100	wte																				
1110	BLK																				
1120																					
1130																					
1140																					
1150																					
1160																					
1170																					
1180																					
1190																					
1200																					
1210																					
1220																					
1230	WTE+GRY																				
1240																					
1250																					

ALTERATION & MINERALIZATION

DEPTH in FEET	17 MANGAN	18 HEMAT	19 LIMON	20 PYRITE	GRAPHIC	21 NALTRD	22 ROPYLT	22 ARG	23 PLSIL	24 STKWKS	25 VEINS	26 CALCITE	27	GRAPHIC
1010														
1020														
1030				1			1							
1040				2			1			1		2		
1050														
1060														
1070														
1080														
1090														
1100														
1110														
1120														
1130														
1140														
1150														
1160														
1170														
1180														
1190														
1200														
1210														
1220														
1230				3										
1240														
1250														

COMMENTS

Sample Recovery

Composite Geochem Intervals

SAMPLE No.	COMMENTS
25	volcanic bxa w/ LT BRN fine rock/lower matrix
30	diss py in fragments → tectonic bxa?
35	fine grained intrusive (?) w/ wk qtz veinlets.
55	fine grained platy carbonaceous + calcareous argillite.
105	wte v fine grained intrusive? 1090-1105
110	fine grained platy carbonaceous + calcareous argillite.
230	DIKE(?) mod. equigranular w/ diss py could be dirty silt layer?

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PROJECT: ROSEBUD	STATE: Nevada	NORTHING:	TOTAL	Page 6/8	HOLE#: RWB 18
LOGD BY: MWB	COUNTY: Pershing	EASTING:	BEARING:		DRB
UTM#: NK 11-10-06	SEC. T. N., R.	ELEVATION:	ANGLE:		

DRILLING NOTES: TIME | Dates, H20, Casing, Bits, Hole Co

STRATIGRAPHY/LITHOLOGY: ALLUVIUM (1), BADGER (2), CHOCOLT (3), BUD (4), BRADY (5), MKR POR (6), BUD (7), DOZER (8), WILDROS (9), SURGTUF (10), SHOFLO (11), ALVAOO (12), AUTOBXA (13), INTRUSV (11), BASALT (12), ANDESIT (13), RHYOLIT (14), BROKEN (15), GOUGE (16)

STRCT

GRAPHIC

ALTERATION & MINERALIZATION: OXD'T'N: MANGAN (17), HEMAT (18), LIMON (19), PYRITE (20)

GRAPHIC

UNALTRD (21), PROPYLT (22), ARG (22), RPLSIL (23), STKWKS (24), VEINS (25), CALCITE (26), (27)

GRAPHIC

COLOR (WET)

COMMENTS: Sample Recovery; Composite Geochem Intervals

SAMPLE No.

DEPTH in FEET	COLOR (WET)	OXD'T'N PYRITE	CALCITE	COMMENTS	SAMPLE No.
1260	WTE+GRY	3		Dike (?) w/ ab diss py	255
	↓	2		QTZ VEINLET w/ py veinlets cutting	260
1270	BLK	1		fine grained platy, carbonaceous, calcareous argillite	265
		1			270
1280					275
					280
1290					285
					290
1300					295
					300
1310					305
					310
1320					315
					320
1330			2		325
					330
1340					335
					340
1350					345
					350
1360		↓	↓		355
					360
1370	wte	2		intrusive dike 1360-1390 wk diss py	365
					370
1380					375
					380
1390	↓	↓			385
					390
1400	BLK	1	2		395
					400
1410				fine grained laminated, carbonaceous + calcareous argillite	405
	↓		↓		410
1420	WTE				415
	↓			intrusive dike 1410-1420 (?) wk diss py	420
1430	BLK		2		425
					430
1440			↓		435
					440
1450					445
					450
1460					455
					460
1470					465
					470
1480				qtz veinlet; no sulf 1470-1480	475
					480
1490					485
					490
1500	↓	↓			495
					500

Filename: drbLOG.xls

PROJECT: ROSEBUD	STATE: Nevada	NORTHING:	TOTAL	Page 7/8	HOLE#: RW8
LOGD BY: MWB	COUNTY: Pershing	EASTING:	BEARING:		DRB 18
UTM#: NK 11-10-06	SEC. T. N., R.	ELEVATION:	ANGLE:		

DRILLING NOTES		COLOR (WET)	STRATIGRAPHY/LITHOLOGY																	STRCT		GRAPHIC	ALTERATION & MINERALIZATION															GRAPHIC	COMMENTS	SAMPLE No
TIME	Dates, H20, Casing, Bits, Hole Co		ALUVMO	BADGER	CHOCOLT	UBUD	BRADY	MKR POR	LBUD	DOZER	WILDROS	SURGTUF	ASHOFLO	LAVA0	AUTOBXA	INTRUSV	BASALT	ANDESIT	RHYOLIT	BROKEN	GOUGE		OXD'T'N GANGAN	HEMAT	LIMON	PYRITE		UNALTRD	PROPYLT	ARG	RPL SIL	STKWKS	VEINS	CALCITE						Sample Recovery	
DEPTH in FEET			1	2	3	4	5	6	7	8	9	10	11	12	13	11	12	13	14	15	16		17	18	19	20		21	22	22	23	24	25	26	27						Composite Geochem Intervals	
		BLK																																							505
1510		↓																																						1510-1520 dike w/ py replaced hnbl	510
		GRY																																							515
1520		↓																																							520
		BLK																																							525
1530																																									530
																																									535
1540																																									540
																																									545
1550																																									550
																																									555
1560																																									560
																																									565
1570																																									570
																																									575
1580																																									580
																																									585
1590																																									590
																																									595
1600		↓																								↓															600
		BLK																																						fine grained, platty carbonaceous + calcareous argillite	605
1610																																									610
																																									615
1620																																									620
																																									625
1630																																									630
																																									635
1640																																									640
																																									645
1650																																									650
																																									655
1660																																									660
																																									665
1670																																									670
																																									675
1680																																									680
																																									685
1690																																									690
																																									695
1700																																									700
																																									705
1710																																									710
																																									715
1720																																									720
																																									725
1730																																									730
																																									735
1740																																									740
																																									745
1750		↓																								↓															750

Filename: drbLOG.xls

PROJECT: ROSEBUD	STATE: Nevada	NORTHING:	TOTAL: Page 11 8/8
LOGD BY: MWB	COUNTY: Pershing	EASTING:	BEARING:
UTM#: NK 11-10-06	SEC. T. N., R.	ELEVATION:	ANGLE:

HOLE#: RBW 18
DRB

DRILLING NOTES

TIME | Dates, H20, Casing, Bits, Hole Co

DEPTH in FEET

COLOR (WET)

STRATIGRAPHY/LITHOLOGY

1 ALLUVM	2 BADGER	3 CHOCOLT	4 UBUD	5 BRADY	6 MKR POR	7 LBUD	8 DOZER	9 WILDROS	10 SURGTUF	11 ASHOFLO	12 LAVA0	13 AUTOBXA	11 INTRUSV	12 BASALT	13 ANDESIT	14 RHYOLIT	15 BROKEN	16 GOUGE

STRCT

GRAPHIC

ALTERATION & MINERALIZATION

OXD'T'N				GRAPHIC									
17 GANGAN	18 HEMAT	19 LIMON	20 PYRITE		21 NALTRD	22 ROPYLT	22 ARG	23 RPL SIL	24 STKWKS	25 VEINS	26 CALCITE	27	

GRAPHIC

COMMENTS

Sample Recovery

Composite Geochem Intervals

SAMPLE No

Depth	Color (Wet)	Comments	Sample No
1760	BLK		755
		2 carbonaceous + calcareous argillite.	
		calcite veinlet 1750-1760	760
1770			765
		calcite veinlets 1760-1800	770
1780			775
			780
1790			785
			790
1800			795
			800
1810		carbonaceous + calcareous argillite	805
		calcite veinlet w/coarse py 1810-1820	810
1820			815
			820
1830			825
			830
1840			835
			840
1850			845
			850
1860			855
			860
1870			865
			870
1880			875
			880
1890		Calcite veinlet	885
	EOH	1885 TD	890
900			895
			900
910			905
			910
920			915
			920
930			925
			930
940			935
			940
950			945
			950
960			955
			960
970			965
			970
980			975
			980
990			985
			990
1000			995
			1000