Hole No. 5-45 [illegible] BROHM MINING CORP

Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag
0-5	.005		200-205	.005		400-405			585-590		
5-10	.005		205-210	.010		405-410			590-595		
10-15	tr		210-215	.005		410-415			595-600		
15-20	.005		215-220	.005		415-420			600-605		
20-25	.005		220-225	.010		420-425			605-610		
25-30	.010		225-230	.005		425-430			610-615		
30-35	.010		230-235	tr		430-435			615-620		
35-40	.005		235-240	.010		435-440			620-625		
40-45	.005		240-245	tr		440-445			625-630		
45-50	tr		245-250	tr		445-450			630-635		
50-55	.010		250-255	.005		450-455			635-640		
55-60	.005		255-260	tr		455-460			640-645		
60-65	.005		260-265	nf		460-465			645-650		
65-70	.005		265-270	tr		465-470			650-655		
70-75	.005		270-275	.005		470-475			655-660		
75-80	.005		275-280	nf		475-480			660-665		
80-85	.005		280-285	tr		480-485			665-670		
85-90	.005		285-290			485-490			670-675		
90-95	.005		290-295			490-495			675-680		
95-100	.005		295-300			495-500			680-685		
100-105	.005		300-305			500-505			685-690		
105-110	tr		305-310			505-510			690-695		
110-115	tr		310-315			510-515			695-700		
115-120	.005		315-320			515-520					
120-125	.010		320-325			520-525					
125-130	.005		325-330			525-530					
130-135	tr		330-335			530-535					
135-140	tr		335-340			535-540					
140-145	.005		340-345			540-545					
145-150	tr		345-350			545-550					
150-155	.005		350-355			550-555					
155-160	.010		355-360			555-560					
160-165	.010		360-365			560-565					
165-170	.015		365-370			565-570					
170-175	.005		370-375			570-575					
175-180	.005		375-380			575-580					
180-185	.010		380-385			580-585					
185-190	.005		385-390								
190-195	.010		390-395								
195-200	.007		395-400								

ASSAYER [illegible]

Strawberry Hill Mining Co, Assay Division
Box 645, Deadwood, S D 57732

SHMC

9/8/87

BROHM MINING CORP
P.O. BOX 485
Deadwood, So. Dak

PAGE 1 OF ____

SAMPLE NUMBERS	ANALYSE FOR	TYPE	ASSAY	CHEM	REMARKS
B-41 0-5 thru 30-35	Au 1 Assay Ton	DC	✓		52 Samples ⇒ B-41
35-40					Sample Missing 9/8/87 R.J.M
40-45 thru 260-265					
B-43 0-5 thru 280-285					57 Samples 9/10/87 R.J.M
B-45 0-5 thru 280-285					57 Samples 9/10/87 R.J.M
B-40 0-5 thru 595-600					120 Samples 9/9/87 T.M.
B-42 0-5 thru 360-365					73 Samples 9/12/87 T.M.M
B-44 0-5 thru 595-600					120 Samples 9/12/87 wet from 425-600 TMM
B-46 0-5 thru 330-335					67 Samples 9/13/87 dry TMM
B-48 0-5 thru 395-400					80 Samples 9/17/87 TMM
B-50 0-5 thru 340-345					69 Samples 9/15/87 TMM
B-52 0-5 thru 260-265					53 Samples 9/15/87 TMM
B-54 0-5 thru 595-600					120 Samples 9/17/87 345-600 wet TMM
B-56 0-5 thru 510-515					103 Samples 9/17/87 365-515 wet TMM
B-55 0-5 thru 595-600					120 Samples 9/19/87 210-600 wet TMM
B-49 0-5 THRU 595-600		PULPS	✓		120 SAMPLES 9/21/87 (MET TEST SAMPLES)
B-59 0-5 thru 595-600		DC			120 SAMPLES 9/24/87 TMM
B-60 0-5 thru 480-485					97 SAMPLES 9/24/87 TMM
B-61 0-5 thru 560-565					113 Samples 9/25/87 TMM 414 wet 345-565
B-47 0-5 thru 10-15		Pulps			151 Samples 9/30/87 - pulps
25-30 thru 760-765					from Bondar-Clegg
B-51		Pulps			
B-53		Pulps			
					TOTAL SAMPLES

REJECTS SAVE____ DISCARD ✓

PULPS SAVE ✓ DISCARD____

R= rock
C= core
DC= drill cut.
S= soil
SS= stream seds.
W= water

SEND RESULTS TO ADDRESS ABOVE

GEOLOGIST T. J. MacLeod

Contractor: LANG | Coordinates: | Project: | Hole No.: B45

Drill Type: DRILTECH DYOK (RC) | Casing Depth: 10' | State: SOUTH DAKOTA | Sheet 1 of 2

Hole Size: 5½" | Bearing: — | Inclination: 90° | Date Started: 9·9·87 | Property: GILT EDGE

Collar Elev.: | Final Depth: 285' | Date Completed: 9·10·87 | Hole Surveyed: 9·9·87

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (1 Weak, 2 Moderate, 3 Strong) 123 123 123 123 123 123 123	TOTAL SULFIDES (vol %) 5 10	ROCK TYPE & STRUCTURE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	DESCRIPTION: MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinfill, Replacement) / TYPE
				0-5		FILL		OXIDATION H
				10		Tfp	5-143 TERT. PORPHORY WH·YEL·ORN	oxide 3-5%
				15				oxides 5-8%
				20				
				25				oxides 3-5%
				30				oxides 5-8%
				35				
				40				oxides 3-5%
OXIDES 3-8%				45				
				50				
				55			WH·YEL·ORN·GY	FeOx TR-1% disseminated & pervasive
				60				oxides 5-8%
				65				oxides 1-3% FeOx N
				70				
				75				
				80				
				85				
				90				Py 2-4%
				95				
				100			GY·WH	oxidation L
				5			GY·WH·ORN	oxidation M Sulfides 1-3% disseminated
				10				oxides N
				15			GY·WH	oxidation TR
				20				oxidation L
				25				
MIX OXIDE 1-3% SULFIDES 1-3%				30				oxidation N
				35				
				40				
				45		Edh	143-145 CAMBRIAN DEAD HORNFELS GY·WH·RED	
				50		Tfp	145-210 TERT. PORPHORY GY·WH·RED	
				55			GY·WH	
				60			GY·WH·GRN	
				65			GY·WH·GRN·RED	
				70				
SULFIDES 1-3%				75				GY. veinlet L.

DRILL CUTTING LOG

Logged by: CMFM

Newmont Exploration Ltd.

Sheet of

Hole No.

INTERVAL		Percent Recovery	ASSAYS Assay values shown as ppm unless noted otherwise										COMPOSITE ANALYSES Assay Values shown as ppm unless noted otherwise								ESTIMATES OF MINERALOGY Based on assay sample intervals						
From	To		Sample No.									Weighted Averages	Composite No.								Total Sulfide	py					oxidation
																					Vol. %	Vol. %	Vol. %	Vol. %	Vol. %	Vol. %	Vol. %

Logged by:

Newmont Exploration Ltd.

Contractor: LANG | Coordinates: | Project: | Hole No.: B45

Drill Type: DRILTECH D40K | Casing Depth: 10' | State: SOUTH DAKOTA | Sheet 2 of 2

Hole Size: 5½" | Bearing: – | Inclination: 90° | Date Started: 9-9-87 | Property: GILT EDGE

Collar Elev.: | Final Depth: 285' | Date Completed: 9-10-87 | Hole Surveyed: 9-9-87

GRAPHIC LOGS

DISTANCE (feet) | ALTERATION (1 Weak, 2 Moderate, 3 Strong) 123 123 123 123 123 123 123 | TOTAL SULFIDES (vol %) 5 10 | ROCK TYPE & STRUCTURE

DOWN HOLE LOCATION

GEOLOGIC NOTES

DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION DISTRIBUTION (Massive, Disseminated, Veinlet, Replacement)	MINERALIZATION TYPE
175-180			GY·WH		
85			GY·WH·GRN	quartz veinlet N	
90				Hly 5-8%	
95					
195-200				dy N	
5					
10					
15		Edq	210-217 CAMBRIAN DEAD QTZTE GY·YEL·WH	Sulfides TR	
20		Edh	217-233 CAMBRIAN DEAD HORNFELS ORN·GRN·YEL	Sulfides 1-3% crystals	OXIDATION N
220-225				FeOx TR fracturing	
30				(schistose) FeOx N	OXIDATION N
35		Edq	233-240 CAMBRIAN DEAD QTZTE WH·GY	(schistose)	
40					
45		PE	240-EOH PRE CAMBRIAN - SCHIST GRN·GY·WH·RED	Quartz veinlet 1-3%	
245-250			GRN·GY		
55				Quartz veinlet 7-9%	
60			257-262 PRE-CAMBRIAN CHERT - WH		
65			262-EOH PRE-CAMBRIAN SCHIST RED		
70				Quartz veinlet 1-2%	
270-275				Sulfides 5-7% crystal Quartz veinlet 3-6%	
80				Sulfides TR-1% crystal Quartz veinlet 1-2%	
280-285				Quartz veinlet 3-6%	
	EOH @ 285				

SULFIDES 1-3%

OXIDES 1-5% X
SULFIDES 1-3% M

SULFIDES 2-6%

DRILL CUTTING LOG

Logged by: CMFM

Newmont Exploration Ltd.

Sheet of

Hole No.

INTERVAL		Percent Recovery	ASSAYS Assay values shown as ppm unless noted otherwise										COMPOSITE ANALYSES Assay Values shown as ppm unless noted otherwise								ESTIMATES OF MINERALOGY Based on assay sample intervals						
From	To		Sample No.									Weighted Averages	Composite No.								Total Sulfide	py					oxidation
																					Vol. %	Vol. %	Vol. %	Vol. %	Vol. %	Vol. %	Vol. %

Logged by:

Newmont Exploration Ltd.

GILT EDGE MINE EXPLORATION DEPARTMENT

DRILL HOLE # [redacted] R87-348 ASSAY METHOD FIRE ASSAY LAB SHMC

N. 745620.2 E. 1127815.2 ELEV. 5540.3

AZ. — DIP 90 TD 285

FROM	TO	RCK CD	OZ/T AU	OZ/T AU CK	OZ/T AG	ORE TYPE
0	5	FILL				OXIDE
5	10	20				
10	15					
15	20					
20	25					
25	30					
30	35					
35	40					
40	45					
45	50					
50	55					
55	60					
60	65					
65	70					
70	75					
75	80					
80	85					
85	90					
90	95					
95	100					
100	105					MIX
105	110					
110	115					

FROM	TO	RCK CD	OZ/T AU	OZ/T AU CK	OZ/T AG	ORE TYPE
115	120	20				MIX
120	125					
125	130					
130	135					SULFIDE
135	140	(143)				
140	145	15				
145	150	20				
150	155					
155	160					
160	165					
165	170					
170	175					
175	180					
180	185					
185	190					
190	195					
195	200					
200	205					
205	210					
210	215	14 (217)				
215	220	15				MIX
220	225					
225	230					SULFIDE
230	235	(233)				
235	240	14				
240	245					
245	250					

FROM	TO	RCK CD	OZ/T AU	OZ/T AU CK	OZ/T AG	ORE TYPE
250	255	12				SULFIDE
255	260					
260	265					
265	270					
270	275					
275	280					
280	285					
285	290					
290	295					
295	300					
300	305					
305	310					
310	315					
315	320					
320	325					
325	330					
330	335					
335	340					
340	345					
345	350					
350	355					
355	360					
360	365					
365	370					
370	375					
375	380					

Report No. B45-45 B45

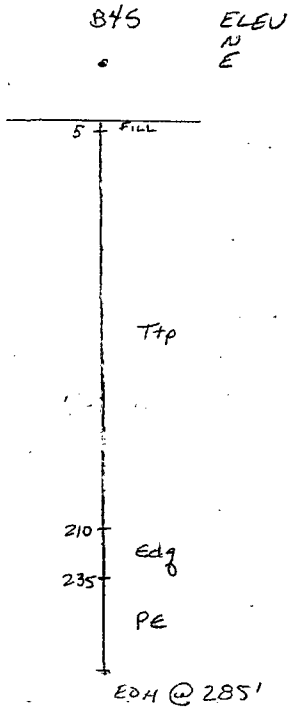
Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag
0-5	.005		200-205	.005		400-405			585-590		
5-10	.005		205-210	.010		405-410			590-595		
10-15	tr		210-215	.005		410-415			595-600		
15-20	.005		215-220	.005		415-420			600-605		
20-25	.005		220-225	.010		420-425			605-610		
25-30	.010		225-230	.005		425-430			610-615		
30-35	.010		230-235	tr		430-435			615-620		
35-40	.005		235-240	.010		435-440			620-625		
40-45	.005		240-245	tr		440-445			625-630		
45-50	tr		245-250	tr		445-450			630-635		
50-55	.010		250-255	.005		450-455			635-640		
55-60	.005		255-260	tr		455-460			640-645		
60-65	.005		260-265	nf		460-465			645-650		
65-70	.005		265-270	tr		465-470			650-655		
70-75	.005		270-275	.005		470-475			655-660		
75-80	.005		275-280	nf		475-480			660-665		
80-85	.005		280-285	tr		480-485			665-670		
85-90	.005		285-290			485-490			670-675		
90-95	.005		290-295			490-495			675-680		
95-100	.005		295-300			495-500			680-685		
100-105	.005		300-305			500-505			685-690		
105-110	tr		305-310			505-510			690-695		
110-115	tr		310-315			510-515			695-700		
115-120	.005		315-320			515-520					
120-125	.010		320-325			520-525					
125-130	.005		325-330			525-530					
130-135	tr		330-335			530-535					
135-140	tr		335-340			535-540					
140-145	.005		340-345			540-545					
145-150	tr		345-350			545-550					
150-155	.005		350-355			550-555					
155-160	.010		355-360			555-560					
160-165	.010		360-365			560-565					
165-170	.015		365-370			565-570					
170-175	.005		370-375			570-575					
175-180	.005		375-380			575-580					
180-185	.010		380-385			580-585					
185-190	.005		385-390								
190-195	.010		390-395								
195-200	.005										

ASSAYER T. J. Hoffman
Strawberry Hill Mining Co, Assay Divisio

BY CMFM DATE 9.9.87 SUBJECT GLUT EDAF B45 SHEET NO. 1 OF 1

CHKD. BY DATE GEOLOGIC SECTION JOB NO.

SCALE 1" = 100'



Contractor: LANG | Coordinates: | Project: | Hole No. B-46

Drill Type: | Casing Depth: | State: | Sheet 1 of 2

Hole Size: 5½ | Bearing: — | Inclination: -90 | Date Started: 9/12/87 | Property: Gilt Edg

Collar Elev.: | Final Depth: 335 | Date Completed: 9/12/87 | Hole Surveyed:

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (1 Weak, 2 Moderate, 3 Strong) 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3	TOTAL SULFIDES (vol %) 5 10	ROCK TYPE & STRUCTURE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	GEOLOGIC NOTES: DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinfill, Replacement)	TYPE
				0-5		/ 0 Fill	0-5 Fill	0-43	Oxide
						/ 5 Ttp	5-105 Trachyte Porph		lt yellow w/ orange to
							(5-43) yellow alteration		dk brown FeOx in veins
				20-25					
							(43-62) yellow chips / lt. gray chips	43-65	Sulphide - Oxide Mix
				45-50			mixed ~ 50/50		10% of chips have
									oxide stain orange-brown
							(62-85) lt greenish gray	65-75	Sulphide
									½% diss, oxide Nil
				70-75					
								75-95	Sulphide/Oxide mix
									5% of chips w/oxid stain
							(85-95) dk green alt 40%		(75-90) 1% sulphide diss.
							some waxy		
				95-100			(95-105) med gray porph grading to		(90-95) some sulphide aggs. +
							yellowish		diss 1-2%
						/105 Edh	105-149 Edh	95-EOH	Sulphide
							(105-125) primarily gray, uneven		1% sulphide, diss
							fracture, minor browns + greens		
				120-125					
							(125-130) prominant apple green staining		
							approximately 60% brown hornfel		
							w/ concoidal frac.		
				145-150		/149 Ttp	149-1600 Ttp porph		
							med gray, poorly developed phenos		
							possibly a variety of hornfel?		
						/1600 Edh	1600-200 Edh		
							(1600-180) grades from lt. brown to		
				170-175			dark brown to dark gray		

DRILL CUTTING LOG

Logged by:

Contractor: LANG | Coordinates: | Project: | Hole No.: B-46

Drill Type: | Casing Depth: | State: | Sheet 2 of 2

Hole Size: 5½ | Bearing: — | Inclination: -90 | Date Started: 9/12/87 | Property: Gilt Edge

Collar Elev.: | Final Depth: 335' | Date Completed: 9/12/87 | Hole Surveyed:

DRILL CUTTING LOG

Logged by:

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (1 Weak, 2 Moderate, 3 Strong)	TOTAL SULFIDES (vol %)	ROCK TYPE & STRUCTURE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	GEOLOGIC NOTES: DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinlill, Replacement) / TYPE
				175-180			160-200 Edh (cont.)	95 - EOH Sulphide
							(180-200) dk green to dk gray w/ irregular fracture, Forest green alteration mineral in crumbly masses.	(180-200) sulphides, diss. 10-11% 3-4% aggregate, all fine grain.
				195-200				(200-265) 1% diss. sulphid, occasional small (1mm²) crystal
						200 Edq	200-205 Edq	
						205 Ttp	205-213 Ttp	
						213 Edh	213-225 Edh gray irregular fracture, indistinct phenos, just color changes	
				220-225				
						225-Ttp	225-235 Ttp	
						235-Edq	235-267 Edq	
				245-250				
						267 pt	267-EOH pt mafic micaceous, occasional vein qtz	(265-335) 1-2% diss & vein filling
				270-275			(270-275) 4-5% of chips magnetic	
				295-300			(295-300) 2% magnetite	
							(305-320) grading from 2% chloritic to 75% at 320	
				320-325			(320-327) possible chert	
						EOH 335 5:00 PM		
							1 quick gel	
							2 cement	

Hole No. B-46 BROHM MINING CORP

Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag
0-5	.010		200-205	.020		400-405			585-590		
5-10	.010		205-210	.005		405-410			590-595		
10-15	.010		210-215	.005		410-415			595-600		
15-20	.005		215-220	.010		415-420			600-605		
20-25	.005		220-225	.005		420-425			605-610		
25-30	tr		225-230	.005		425-430			610-615		
30-35	.005		230-235	.005		430-435			615-620		
35-40	.005		235-240	.015		435-440			620-625		
40-45	.005		240-245	.010		440-445			625-630		
45-50	tr		245-250	.015		445-450			630-635		
50-55	.005		250-255	.010		450-455			635-640		
55-60	.010		255-260	.015		455-460			640-645		
60-65	.005		260-265	.010		460-465			645-650		
65-70	nf		265-270	.010		465-470			650-655		
70-75	tr		270-275	.020		470-475			655-660		
75-80	tr		275-280	.005		475-480			660-665		
80-85	tr		280-285	nf		480-485			665-670		
85-90	.005		285-290	.010		485-490			670-675		
90-95	.007		290-295	.005		490-495			675-680		
95-100	.010		295-300	.015		495-500			680-685		
100-105	.010		300-305	.010		500-505			685-690		
105-110	.015		305-310	.015		505-510			690-695		
110-115	.020		310-315	.010		510-515			695-700		
115-120	.020		315-320	.015		515-520					
120-125	.020		320-325	.010		520-525					
125-130	.015		325-330	.010		525-530					
130-135	.010		330-335	tr		530-535					
135-140	.010		335-340			535-540					
140-145	tr		340-345			540-545					
145-150	tr		345-350			545-550					
150-155	.005		350-355			550-555					
155-160	.005		355-360			555-560					
160-165	.010		360-365			560-565					
165-170	.010		365-370			565-570					
170-175	.010		370-375			570-575					
175-180	.015		375-380			575-580					
180-185	.015		380-385			580-585					
185-190	.015		385-390								
190-195	.020		390-395								
195-200	.010		395-400								

ASSAYER T. Hoffman

Strawberry Hill Mining Co, Assay Divisi
Box 645, Deadwood, S D 57732

GILT EDGE MINE EXPLORATION DEPARTMENT

DRILL HOLE # R87-349 [redacted] ASSAY METHOD FIRE ASSAY LAB SHMC

N. 75647.0676 E. 127642.1323 ELEV. 5585.1

AZ. — DIP 90 TD 335

FROM	TO	RCK CD	OZ/T AU	OZ/T AU CK	OZ/T AG	ORE TYPE
0	5	FILL				OXIDE
5	10	20				
10	15					
15	20					
20	25					
25	30					
30	35					
35	40					
40	45					MIX
45	50					
50	55					
55	60					
60	65					
65	70					SULFIDE
70	75					
75	80					MIX
80	85					
85	90					
90	95					
95	100					SULFIDE
100	105	7				
105	110	K				
110	115					

FROM	TO	RCK CD	OZ/T AU	OZ/T AU CK	OZ/T AG	ORE TYPE
115	120	15				SULFIDE
120	125					
125	130					
130	135					
135	140					
140	145					
145	150	(149)				
150	155	20				
155	160					
160	165	15				
165	170					
170	175					
175	180					
180	185					
185	190					
190	195					
195	200					
200	205	14				
205	210	20				
210	215	(213)				
215	220	15				
220	225					
225	230	20				
230	235					
235	240	14				
240	245					
245	250					

FROM	TO	RCK CD	OZ/T AU	OZ/T AU CK	OZ/T AG	ORE TYPE
250	255	14				SULFIDE
255	260					
260	265	(267)				
265	270	12				
270	275					
275	280					
280	285					
285	290					
290	295					
295	300					
300	305					
305	310					
310	315					
315	320					
320	325					
325	330	12				SULFIDE
330	335					
335	340					
340	345					
345	350					
350	355					
355	360					
360	365					
365	370					
370	375					
375	380					

Hole No. [illegible] B46

[illegible] MINING CO.

Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag
0-5	.010		200-205	.020		400-405			585-590		
5-10	.010		205-210	.005		405-410			590-595		
10-15	.010		210-215	.005		410-415			595-600		
15-20	.005		215-220	.010		415-420			600-605		
20-25	.005		220-225	.005		420-425			605-610		
25-30	tr		225-230	.005		425-430			610-615		
30-35	.005		230-235	.005		430-435			615-620		
35-40	.005		235-240	.015		435-440			620-625		
40-45	.005		240-245	.010		440-445			625-630		
45-50	tr		245-250	.015		445-450			630-635		
50-55	.005		250-255	.010		450-455			635-640		
55-60	.010		255-260	.015		455-460			640-645		
60-65	.005		260-265	.010		460-465			645-650		
65-70	nf		265-270	.010		465-470			650-655		
70-75	tr		270-275	.020		470-475			655-660		
75-80	tr		275-280	.005		475-480			660-665		
80-85	tr		280-285	nf		480-485			665-670		
85-90	.005		285-290	.010		485-490			670-675		
90-95	.007		290-295	.005		490-495			675-680		
95-100	.010		295-300	.015		495-500			680-685		
100-105	.010		300-305	.010		500-505			685-690		
105-110	.015		305-310	.015		505-510			690-695		
110-115	.020		310-315	.010		510-515			695-700		
115-120	.020		315-320	.015		515-520					
120-125	.020		320-325	.010		520-525					
125-130	.015		325-330	.010		525-530					
130-135	.010		330-335	tr		530-535					
135-140	.010		335-340			535-540					
140-145	tr		340-345			540-545					
145-150	tr		345-350			545-550					
150-155	.005		350-355			550-555					
155-160	.005		355-360			555-560					
160-165	.010		360-365			560-565					
165-170	.010		365-370			565-570					
170-175	.010		370-375			570-575					
175-180	.015		375-380			575-580					
180-185	.015		380-385			580-585					
185-190	.015		385-390								
190-195	.020		390-395								
195-200	.010		395-400								

ASSAYER [illegible]

Strawberry Hill Mining Co, Assay Divisi[illegible]

LAB. REPORT NO. _____

BONDAR-CLEGG INC.

12980 W. CEDAR DR., LAKEWOOD, CO. 80228 PHONE: 989-1404 TELEX: 45-693

SAMPLE SHIPMENT NOTICE

Please analyze by { special ☐ / normal ☒ } { assay (%, ore grade) ☒ / geochemical (ppm, trace level) ☐ } methods, the enclosed { prepared ☐ / unprepared ☒ } samples

For types of sample use: R = rock or core D = soil S = stream sediment W = water V = vegetation X = standard
B = lake bottom sediment F = frost boil P = pulp C = concentrate panned

SAMPLE TYPE	NUMBER OF SAMPLES	SAMPLE NUMBERS (SERIES)	ELEMENTS TO BE ANALYZED																					E spec	OTHERS
			Cu	Pb	Zn	Mo	Ag	Cd	Ni	Co	Mn	Fe	Bi	V	U	W	F	Au	As	Hg	Sn	Th			
DC	1	B-46 185-190																X							
DC	1	B-58 235-240																X							

Date Shipped 1/13/80 Via DEADWOOD PREP LAB Prepaid ☐

Parcels in Shipment 2 Collect ☐

Comments: _____

OVERSIZE (COARSE REJECTS) WILL BE DISCARDED UNLESS CHECKED BELOW:

☐ STORE 60 DAYS — THEN RETURN C.O.D. ☐ STORE 60 DAYS — THEN DISCARD.

PULPS—All pulps are stored 1 year, then returned C.O.D.

Results and Invoices To Be Sent To:

BROHM MINING CORP.
C/O JIM BARTON
P.O. BOX 485
Deadwood, SD 57732

☑ Results ☑ Invoice

BROHM MINING CORP.
C/O ROD MACLEOD
P.O. BOX 485
DEADWOOD, SD 57732

☐ Results ☐ Invoice

Client Project Number _____

CLIENT'S COPY

SHMC
9/8/87

BROHM MINING CORP
P.O. BOX 485
Deadwood, So. Dak

PAGE 1 OF ____

SAMPLE NUMBERS	ANALYSE FOR	TYPE	ASSAY	CHEM	REMARKS
B-41 0-5 thru 30-35	Au 1 Assay Ton	DC	✓		52 Samples ⇒ B-41
35-40					Sample Missing 9/8/87 R.J.M
40-45 thru 260-265					
B-43 0-5 thru 280-285					57 Samples 9/10/87 R.J.M
B-45 0-5 thru 280-285					57 Samples 9/10/87 R.J.M
B-40 0-5 thru 595-600					120 Samples 9/9/87 T.M.
B-42 0-5 thru 360-365					73 Samples 9/12/87 T.M.M
B-44 0-5 thru 595-600					120 Samples 9/12/87 wet from 425-600 TMM
B-46 0-5 thru 330-335					67 Samples 9/13/87 dry TMM
B-48 0-5 thru 395-400					80 Samples 9/17/87 TMM
B-50 0-5 thru 340-345					69 Samples 9/15/87 TMM
B-52 0-5 thru 260-265					53 Samples 9/15/87 TMM
B-54 0-5 thru 595-600					120 Samples 9/17/87 345-600 wet TM
B-56 0-5 thru 510-515					103 Samples 9/17/87 365-515 TMM
B-55 0-5 thru 595-600					120 Samples 9/19/87 210-600 wet TMM
B-49 0-5 THRU 595-600		PULPS	✓		120 SAMPLES 9/21/87 (MET TEST SAMPLES)
B-59 0-5 thru 595-600		DC			120 SAMPLES 9/24/87 TMM
B-60 0-5 thru 480-485					97 SAMPLES 9/24/87 TMM
B-61 0-5 thru 560-565					113 Samples 9/25/87 TMM 44 wet 345-565
B-47 0-5 thru 10-15		Pulps			151 Samples 9/30/87 - pulps
25-30 thru 760-765					from Bondar-Clegg
B-51		Pulps			
B-53		Pulps			
					TOTAL SAMPLES

REJECTS SAVE____ DISCARD ✓

PULPS SAVE ✓ DISCARD____

R= rock
C= core
DC= drill cut.
S= soil
SS= stream seds.
W= water

1691

SEND RESULTS TO ADDRESS ABOVE

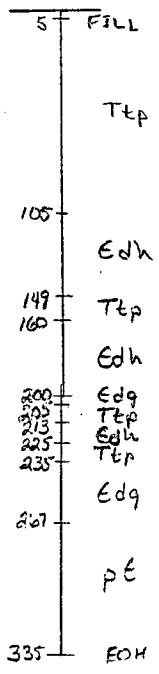
GEOLOGIST T. J. MacLeod

BY TMM DATE 9/12/97 SUBJECT Gilt Edge B-46 SHEET NO. 1 OF 1

CHKD. BY DATE Geologic Section JOB NO.

TD 335'

B-46



Scale 1" = 100'

Hole No. B-54

BROHM MINING CORP

Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag
0-5	.010		200-205	.005		400-405	tr		585-590	.010	
5-10	.015		205-210	.005		405-410	.010		590-595	.015	
10-15	.010		210-215	.005		410-415	.010		595-600	tr	
15-20	.010		215-220	.010		415-420	.005		600-605		
20-25	.010		220-225	.005		420-425	.010		605-610		
25-30	.005		225-230	.010		425-430	.010		610-615		
30-35	.010		230-235	.010		430-435	.005		615-620		
35-40	.005		235-240	.010		435-440	.010		620-625		
40-45	.010		240-245	.010		440-445	.010		625-630		
45-50	.005		245-250	.010		445-450	.005		630-635		
50-55	tr		250-255	.005		450-455	.010		635-640		
55-60	.005		255-260	tr		455-460	.005		640-645		
60-65	.010		260-265	.005		460-465	.010		645-650		
65-70	.005		265-270	tr		465-470	.005		650-655		
70-75	.005		270-275	.005		470-475	.005		655-660		
75-80	.010		275-280	.005		475-480	.005		660-665		
80-85	.005		280-285	.005		480-485	tr		665-670		
85-90	.015		285-290	tr		485-490	tr		670-675		
90-95	.010		290-295	.005		490-495	.005		675-680		
95-100	.010		295-300	.005		495-500	tr		680-685		
100-105	.015		300-305	.005		500-505	nf		685-690		
105-110	.010		305-310	tr		505-510	nf		690-695		
110-115	.015		310-315	.005		510-515	nf		695-700		
115-120	.010		315-320	.005		515-520	.005				
120-125	.015		320-325	tr		520-525	.010				
125-130	.020		325-330	tr		525-530	.015				
130-135	.010		330-335	.005		530-535	.010				
135-140	.010		335-340	.010		535-540	tr				
140-145	tr		340-345	.010		540-545	tr				
145-150	tr		345-350	.010		545-550	.005				
150-155	tr		350-355	.010		550-555	.005				
155-160	.005		355-360	.010		555-560	.020				
160-165	.010		360-365	.005		560-565	.025				
165-170	.005		365-370	.005		565-570	.010				
170-175	.005		370-375	.005		570-575	.030				
175-180	.005		375-380	.005		575-580	.025				
180-185	.005		380-385	tr		580-585	.010				
185-190	.010		385-390	.005							
190-195	.010		390-395	tr							
195-200	tr		395-400	.005							

ASSAYER M Hofgren

Strawberry Hill Mining Co, Assay Division
Box 645, Deadwood, S D 57732

GILT EDGE MINE EXPLORATION DEPARTMENT

DRILL HOLE # [redacted] 287-357 ASSAY METHOD FIRE ASSAY LAB SHMC

N. 745334.0616 E. 1128094.1646 ELEV. 5475.3

AZ. — DIP 90 TD 600

FROM	TO	RCK CD	OZ/T AU	OZ/T AU CK	OZ/T AG	ORE TYPE
0	5	20				OXIDE
5	10					
10	15					
15	20					
20	25					
25	30					
30	35					
35	40					SULFIDE
40	45					
45	50					
50	55					
55	60					
60	65					
65	70					OXIDE
70	75					
75	80					SULFIDE
80	85					
85	90					
90	95					
95	100					
100	105					
105	110					
110	115					

.025
.020

FROM	TO	RCK CD	OZ/T AU	OZ/T AU CK	OZ/T AG	ORE TYPE
115	120	20				OXIDE
120	125					
125	130					SULFIDE
130	135					
135	140					
140	145					
145	150					
150	155					
155	160					
160	165					
165	170					
170	175					
175	180					
180	185					
185	190					
190	195					
195	200					
200	205					
205	210					
210	215					
215	220					
220	225					
225	230					
230	235					MIX
235	240					
240	245					
245	250					

FROM	TO	RCK CD	OZ/T AU	OZ/T AU CK	OZ/T AG	ORE TYPE
250	255	20				MIX
255	260					
260	265					
265	270					
270	275					
275	280					
280	285					
285	290					
290	295					
295	300					
300	305					
305	310					OXIDE
310	315					
315	320					
320	325					
325	330					
330	335					
335	340					
340	345					
345	350					SULFIDE
350	355					
355	360					
360	365					
365	370					
370	375					
375	380					

FROM	TO	RCK CD	OZ/T AU	OZ/T AU CK	OZ/T AG	ORE TYPE
380	385	20				SULFIDE
385	390					
390	395					
395	400					OXIDE
400	405					
405	410					SULFIDE
410	415					
415	420					
420	425					
425	430					
430	435					
435	440					
440	445					
445	450					
450	455					
455	460					
460	465					
465	470					
470	475					
475	480					
480	485					
485	490					
490	495	(496)				
495	500	12				
500	505	(507)				
505	510	20				

FROM	TO	RCK CD	OZ/T AU	OZ/T AU CK	OZ/T AG	ORE TYPE
510	515	20				SULFIDE
515	520	12				
520	525					
525	530					
530	535					
535	540					
540	545					
545	550					
550	555					
555	560					
560	565					
565	570					
570	575					
575	580					
580	585					
585	590					
590	595					
595	600					
600	605					
605	610					
610	615					
615	620					
620	625					
625	630					
630	635					
635	640					

Hole No. [illegible]-54

BROHM MINING CORP

Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag
0-5	.010		200-205	.005		400-405	tr		585-590	.010	
5-10	.015		205-210	.005		405-410	.010		590-595	.015	
15	.010		210-215	.005		410-415	.010		595-600	tr	
15-20	.010		215-220	.010		415-420	.005		600-605		
20-25	.010		220-225	.005		420-425	.010		605-610		
25-30	.005		225-230	.010		425-430	.010		610-615		
30-35	.010		230-235	.010		430-435	.005		615-620		
35-40	.005		235-240	.010		435-440	.010		620-625		
40-45	.010		240-245	.010		440-445	.010		625-630		
45-50	.005		245-250	.010		445-450	.005		630-635		
50-55	tr		250-255	.005		450-455	.010		635-640		
55-60	.005		255-260	tr		455-460	.005		640-645		
60-65	.010		260-265	.005		460-465	.010		645-650		
65-70	.005		265-270	tr		465-470	.005		650-655		
70-75	.005		270-275	.005		470-475	.005		655-660		
75-80	.010		275-280	.005		475-480	.005		660-665		
80-85	.005		280-285	.005		480-485	tr		665-670		
85-90	.015		285-290	tr		485-490	tr		670-675		
90-95	.010		290-295	.005		490-495	.005		675-680		
100	.010		295-300	.005		495-500	tr		680-685		
100-105	.015		300-305	.005		500-505	nf		685-690		
105-110	.010		305-310	tr		505-510	nf		690-695		
110-115	.015		310-315	.005		510-515	nf		695-700		
115-120	.010		315-320	.005		515-520	.005				
120-125	.015		320-325	tr		520-525	.010				
125-130	.020		325-330	tr		525-530	.015				
130-135	.010		330-335	.005		530-535	.010				
135-140	.010		335-340	.010		535-540	tr				
140-145	tr		340-345	.010		540-545	tr				
145-150	tr		345-350	.010		545-550	.005				
150-155	tr		350-355	.010		550-555	.005				
155-160	.005		355-360	.010		555-560	.020				
160-165	.010		360-365	.005		560-565	.025				
165-170	.005		365-370	.005		565-570	.010				
170-175	.005		370-375	.005		570-575	.030				
175-180	.005		375-380	.005		575-580	.025				
[illegible]-185	.005		380-385	tr		580-585	.010				
185-190	.010		385-390	.005							
190-195	.010		390-395	tr							
195-200	tr		395-400	.005							

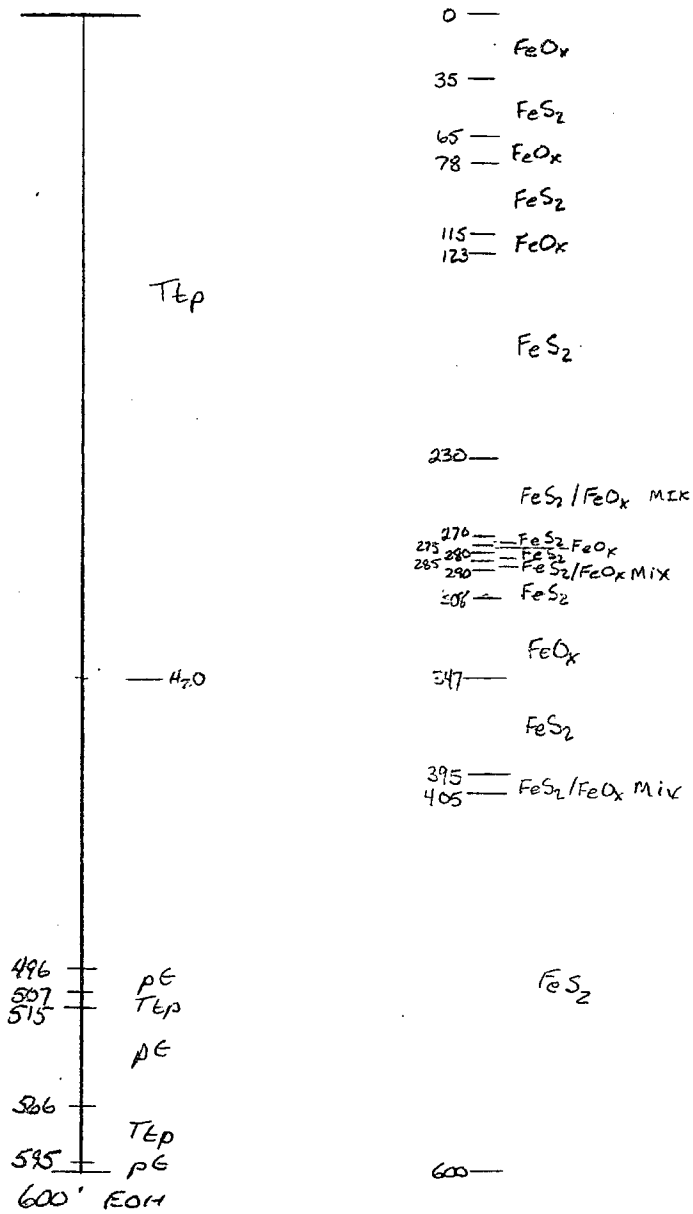
ASSAYER [illegible]

Strawberry Hill Mining Co, Assay Division
Box 645, Deadwood, S D 57732

BY TMM DATE 9/15/87 SUBJECT Gilt Edge B-54 SHEET NO. 1 OF 1

CHKD. BY DATE Geologic Section JOB NO.

B-54



Scale 1" = 100'

Contractor: LANG | Coordinates: | Project: | Hole No. 13-54

Drill Type: | Casing Depth: | State: | Sheet 1 of 4

Hole Size: 5½ | Bearing: — | Inclination: -90 | Date Started: 9/15/87 | Property: Gilt Edge

Collar Elev.: | Final Depth: 600 | Date Completed: 9/16/87 | Hole Surveyed:

DRILL CUTTING LOG

Logged by:

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (1 Weak, 2 Moderate, 3 Strong)	TOTAL SULFIDES (vol %)	ROCK TYPE & STRUCTURE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	GEOLOGIC NOTES: DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinfill, Replacement)	TYPE
						/ Ttp	0- Trachyte Porphery	0-35	Oxide
							(0-35) yellow porph w/ phenos of 1-2mm		lt orange stain on 20% of chips
							<0-5> pink to red alteration in 50-60% of chips		FeS2 Nil
				20-25					
							(35-65) Lt gray matrix	35-65	Sulfide
									1% disseminated
				45-50					
								/ (60-65)	2% diss.
							(65-78) yellow matrix	65-78	Oxide
				70-75					orange to red stain on 60% of chips
							(78-115) Lt gray	78-115	Sulfide
									2% diss. Oxide very lt.
									minor vein filling
				95-100					
							(115-123) red alteration	115-123	Oxide
							(123-) lt gray matrix, wht phenos 1-2mm		red alteration, orange stain on
				120-125			well spaced		70% of grains, most FeS2 replaced
									by FeS2
						0		123-230	Sulfide
									2% diss. some vein filling
				145-150					
				170-175					

Contractor: LANG | Coordinates: | Project: | Hole No. B-56

Drill Type: | Casing Depth: | State: | Sheet 2 of 4

Hole Size: 5½ | Bearing: — | Inclination: -90° | Date Started: 9/15/87 | Property: Gilt Edge

Collar Elev.: | Final Depth: 600 | Date Completed: 9/16/87 | Hole Surveyed:

DRILL CUTTING LOG

Logged by:

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (1 Weak, 2 Moderate, 3 Strong)	TOTAL SULFIDES (vol %)	ROCK TYPE & STRUCTURE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	DESCRIPTION: MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinfill, Replacement)	TYPE
						Tkp	0- Trachyte (cont.)	123-230	Sulfide (cont.)
							(123-205) lt. gray matrix. (cont.)		2% diss. occasional as vein filling
				195-200					
							(205-210) green to dk green Alt. 2-3%		
				220-225					
								230-270	Sulfide/Oxide Mix
									10% of chips are orange to brown in color, coatings and also incorporated into porphyry matrix.
				245-250					1-2% disseminated, occasionally as vein filling.
				270-275				270-275	Sulfide 1% diss.
								275-280	Oxide pervasive on 90% of chips orange
								280-285	Sulfide ½% diss
								285-290	Sulfide/Oxide Mix, FeOx, orange, pervasive
								290-305	15% of chips. Sulfide ½% diss.
				295-300			(295-310) dk green alt. 5% or less		Sulfide 1% diss
								308-347	Oxide orange to dk orange stain on chip surface and incorporated in matrix
				320-325					
							(345 went wet)		
				345-350			(350-) matrix lt. gray w/ black inclusions ½ mm or less, white phenos of 1-2 mm	347-	Sulfide 2% diss

Contractor: LANG | Coordinates: | Project: | Hole No.: B-54

Drill Type: - | Casing Depth: | State: | Sheet 3 of 4

Hole Size: 5½ | Bearing: — | Inclination: -90° | Date Started: 9/15/87 | Property: Gilt Edge

Collar Elev.: | Final Depth: 600' | Date Completed: 9/16/87 | Hole Surveyed:

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (1 Weak, 2 Moderate, 3 Strong)	TOTAL SULFIDES (vol %)	ROCK TYPE & STRUCTURE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	GEOLOGIC NOTES: DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinlill, Replacement) / TYPE
						Ttp	0-496 Trachyte (cont.)	347-395 Sulfide 2% diss
							(350-) pase hornblend porph	
								(360-365) 1% oxide
				370 375				
								(390-395) 1% oxide
				395 400				
								395-405 Sulfide / Oxide Mix
							(405-) yellowish gray matrix	FeS_2 - <1% diss
								FeOx, on surface and in frac.
							(420-430) dk green alt. 5%	orange 8-10%
				420 425				405-600 Sulfide 1% diss
				445 450				
				470 475				
				495 500		496 pE	496-507 pE	
							dk. green to black	
						507 Ttp	507-515 Trachyte, lt brown w/some green alt.	
						515 pE	515-566 pE dk green to black	
				520 525				

DRILL CUTTING LOG

Logged by:

Contractor: LANG | Coordinates: | Project: | Hole No.: B-54

Drill Type: | Casing Depth: | State: | Sheet 4 of 4

Hole Size: 5½ | Bearing: — | Inclination: -90° | Date Started: 9/15/87 | Property:

Collar Elev.: | Final Depth: 600' | Date Completed: 9/16/87 | Hole Surveyed:

GRAPHIC LOGS

DISTANCE (feet)	ALTERATION (1 Weak, 2 Moderate, 3 Strong)	TOTAL SULFIDES (vol %)	ROCK TYPE & STRUCTURE
	123 123 123 123 123 123 123	5 10	

DOWN HOLE LOCATION

DISTANCE DOWN HOLE (feet)	ELEVATION
545-550	
570-575	
595-600	

GEOLOGIC NOTES

ROCK TYPE	DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION — DISTRIBUTION (Massive, Disseminated, Veinfill, Replacement)	MINERALIZATION — TYPE
pE	515-566 pE (cont) dk green/black	405-600 Sulfide (cont)	1% diss
566 Tkp	566-595 Tkp brown to yellowish in color phenos 1mm to 2mm		
	(575-595) pE, zenoliths 50-60% of interval	(585-590)	2% diss FeS_2
pE: 595 EOH	595-600 pE		

DRILL CUTTING LOG

Logged by:

SHMC
9/8/87

BROHM MINING CORP
P.O. BOX 485
Deadwood, So. Dak

PAGE 1 OF ____

SAMPLE NUMBERS	ANALYSE FOR	TYPE	ASSAY	CHEM	REMARKS
B-41 0-5 thru 30-35	Au 1 Assay Ton	DC	✓		52 Samples ⇒ B-41
35-40					Sample Missing 9/8/87 R.J.M
40-45 thru 260-265					
B-43 0-5 thru 280-285					57 Samples 9/10/87 R.J.M
B-45 0-5 thru 280-285					57 Samples 9/10/87 R.J.M
B-40 0-5 thru 595-600					120 Samples 9/9/87 T.M.
B-42 0-5 thru 360-365					73 Samples 9/12/87 T.M.M
B-44 0-5 thru 595-600					120 Samples 9/12/87 wet from 425-600 TMM
B-46 0-5 thru 330-335					67 Samples 9/13/87 dry TMM
B-48 0-5 thru 395-400					80 Samples 9/17/87 TMM
B-50 0-5 thru 340-345					69 Samples 9/15/87 TMM
B-52 0-5 thru 260-265					53 Samples 9/15/87 TMM
B-54 0-5 thru 595-600					120 Samples 9/17/87 345-600 wet TM.
B-56 0-5 thru 510-515					103 Samples 9/17/87 365-515 w TMM
B-55 0-5 thru 595-600					120 Samples 9/19/87 210-600 wet TMM
B-49 0-5 THRU 595-600		PULPS	✓		120 SAMPLES 9/21/87 (MET TEST SAMPLES)
B-59 0-5 thru 595-600		DC			120 SAMPLES 9/24/87 TMM
B-60 0-5 thru 480-485					97 SAMPLES 9/24/87 TMM
B-61 0-5 thru 560-565					113 Samples 9/25/87 TMM 414 wet 345-565
B-47 0-5 thru 10-15		Pulps			151 Samples 9/30/87 - pulps
25-30 thru 760-765					from Bandar Clegg
B-51		Pulps			
B-53		Pulps			
					TOTAL SAMPLES

REJECTS SAVE____ DISCARD ✓

PULPS SAVE ✓ DISCARD____

R= rock
C= core
DC= drill cut.
S= soil
SS= stream seds.
W= water

1691

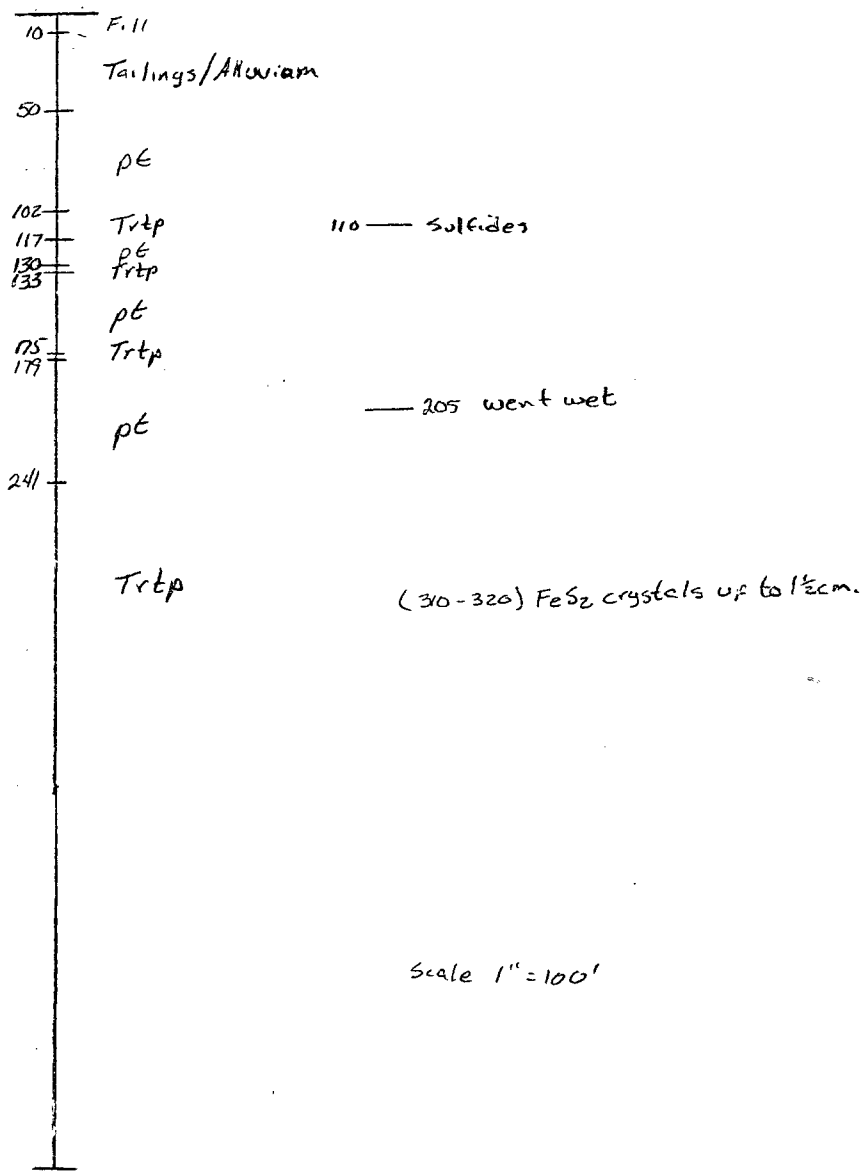
SEND RESULTS TO ADDRESS ABOVE

GEOLOGIST T. J. MacLeod

BY Tmm DATE 9/19/87 SUBJECT Gilt Edge B-55 SHEET NO. 1 OF 1

CHKD. BY DATE Geologic Section JOB NO.

B-55



GILT EDGE MINE EXPLORATION DEPARTMENT

DRILL HOLE # R87-358 [redacted] ASSAY METHOD FIRE ASSAY LAB SHMC

N. 744934.6150 E. 1127918.7147 ELEV. 5358.6

AZ. — DIP 90 TD 600

FROM	TO	RCK CD	OZ/T AU	OZ/T AU CK	OZ/T AG	ORE TYPE
0	5	FILL/DUMP				OXIDE
5	10					
10	15					
15	20					
20	25					
25	30					
30	35					
35	40					
40	45					
45	50					
50	55	12				MIX
55	60					
60	65					SULFIDE
65	70					
70	75					
75	80					
80	85					
85	90					
90	95					
95	100	(102)				
100	105	20				MIX
105	110					
110	115	(117)				SULFIDE

FROM	TO	RCK CD	OZ/T AU	OZ/T AU CK	OZ/T AG	ORE TYPE
115	120	12				SULFIDE
120	125					
125	130					
130	135	20 (133)				
135	140	12				
140	145					
145	150					
150	155					
155	160					
160	165					
165	170					
170	175					
175	180	20 (179)				
180	185	12				
185	190					
190	195					
195	200					
200	205					
205	210					
210	215					
215	220					
220	225					
225	230					
230	235					
235	240	(241)				
240	245	70				
245	250					

FROM	TO	RCK CD	OZ/T AU	OZ/T AU CK	OZ/T AG	ORE TYPE
250	255	20				SULFIDE
255	260					
260	265					
265	270					
270	275					
275	280					
280	285					
285	290					
290	295					
295	300					
300	305					
305	310					
310	315					
315	320					
320	325					
325	330					
330	335					
335	340					
340	345					
345	350					
350	355					
355	360					
360	365					
365	370					
370	375					
375	380					

FROM	TO	RCK CD	OZ/T AU	OZ/T AU CK	OZ/T AG	ORE TYPE
380	385	20				SULFIDE
385	390					
390	395					
395	400					
400	405					
405	410					
410	415					
415	420					
420	425					
425	430					
430	435					
435	440					
440	445					
445	450					
450	455					
455	460					
460	465					
465	470					
470	475					
475	480					
480	485					
485	490					
490	495					
495	500					
500	505					
505	510					

FROM	TO	RCK CD	OZ/T AU	OZ/T AU CK	OZ/T AG	ORE TYPE
510	515	20				Sulfide
515	520					
520	525					
525	530					
530	535					
535	540					
540	545					
545	550					
550	555					
555	560					
560	565					
565	570					
570	575					
575	580					
580	585					
585	590					
590	595					
595	600					
600	605					
605	610					
610	615					
615	620					
620	625					
625	630					
630	635					
635	640					

Hole No: [illegible]

[illegible] MINING CO.

Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag
0-5	.015		200-205	.015		400-405	.010		585-590	.005	
5-10	.010		205-210	.025		405-410	.010		590-595	.005	
[illegible]-15	.010		210-215	.010		410-415	.020		595-600	.010	
15-20	.010		215-220	.010		415-420	.015		600-605		
20-25	.010		220-225	.015		420-425	.025		605-610		
25-30	.005		225-230	.010		425-430	.030		610-615		
30-35	.005		230-235	.015		430-435	.015		615-620		
35-40	.005		235-240	.040		435-440	.020		620-625		
40-45	.005		240-245	.030		440-445	.010		625-630		
45-50	.010		245-250	.025		445-450	.025		630-635		
50-55	.005		250-255	.010		450-455	.030		635-640		
55-60	.005		255-260	.010		455-460	.040		640-645		
60-65	.005		260-265	.005		460-465	.045		645-650		
65-70	.005		265-270	.020		465-470	.015		650-655		
70-75	nf		270-275	.015		470-475	.020		655-660		
75-80	nf		275-280	.080		475-480	.020		660-665		
80-85	tr		280-285	.010		480-485	.030		665-670		
85-90	tr		285-290	.010		485-490	.020		670-675		
90-95	.005		290-295	.010		490-495	.010		675-680		
95-100	.005		295-300	.010		495-500	.025		680-685		
100-105	.005		300-305	.010		500-505	.020		685-690		
105-110	.010		305-310	.010		505-510	.015		690-695		
110-115	.010		310-315	.010		510-515	.020		695-700		
115-120	.005		315-320	.080		515-520	.025				
120-125	.010		320-325	.020		520-525	.030				
125-130	.005		325-330	.055		525-530	.015				
130-135	.005		330-335	.020		530-535	.020				
135-140	tr		335-340	.010		535-540	.020				
140-145	.010		340-345	.020		540-545	.020				
145-150	.010		345-350	.020		545-550	.025				
150-155	.005		350-355	.090		550-555	.050				
155-160	.010		355-360	.015		555-560	.030				
160-165	.010		360-365	.020		560-565	.020				
165-170	.005		365-370	.010		565-570	.005				
170-175	tr		370-375	.010		570-575	.010				
175-180	.010		375-380	.010		575-580	.010				
180-185	.015		380-385	.010		580-585	.015				
185-190	.010		385-390	.020							
190-195	tr		390-395	.020							
195-200	.010		395-400	.015							

ASSAYER [illegible]

Strawberry Hill Mining Co, Assay Division
Box 645, Deadwood, S D 57732

Contractor: LANG | Coordinates: | Project: CRUSHER SITE | Hole No.: B55

Drill Type: DRILTECH D40K | Casing Depth: 10' | State: SOUTH DAKOTA | Sheet 1 of 4

Hole Size: 5 1/2 | Bearing: – | Inclination: 90° | Date Started: 9.17.87 | Property: GILT EDGE

Collar Elev.: | Final Depth: 600' | Date Completed: | Hole Surveyed:

9/18/87 MM

GRAPHIC LOGS

DISTANCE (feet)	ALTERATION (1 Weak, 2 Moderate, 3 Strong) 123	123	123	123	123	123	123	TOTAL SULFIDES % (vol %)	ROCK TYPE & STRUCTURE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION
0-5											0-5
10											10
15											15
20											20
20-25											20-25
30											30
35											35
40											40
45											45
45-50											45-50
55											55
60											60
65											65
70											70
75											75
75-80											75-80
85											85
90											90
95											95
95-100											95-100
5											5
10											10
15											15
20											20
120-125											120-125
30											30
35											35
40											40
45											45
145-150											145-150
55											55
60											60
65											65
70											70
170-175											170-175

GEOLOGIC NOTES

ROCK TYPE	DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION (DISTRIBUTION: Massive, Disseminated, Veinfill, Replacement; TYPE)
/ FILL	0-50 FILL w/ Ttp, Edq, Edh, PE (soil), SULF w/ PE soil	
	w/ Ttp, Edq, Edh, PE (soil & schist), SULF w/ PE soil & schist.	
	Tailings, varying amounts of porph, and pE schist.	0-50 Oxide
	(15-20) 50% schist, 50% Trachyte porph	lt orange stain, heavy, on most surfaces
	(25-35) 10% schist 90% porph	(40-45) orange to brown pervasive coating
	(35-40) 60% schist 40% porph (much larger chips)	FeS_2 Nil
	(40-45) 10% schist 90% porph (fine chips 2-3 mm)	
	(45-50) 80% schist 20% porph (large, rounded chips)	50-60 Sulfide/Oxide mix
	50 pE dk green to black schist. fine grained	FeOx coating on 15-20% of chips
		No FeS_2 is visible
		60-100 Sulfide
		FeS_2 none visible
		FeOx Nil-trace
		(85-90') show of FeS_2 as vein/crack filling
	(90-) dk brown schist, same texture	
	shows of possible porph	
/ 102 Trtp	102-117 Trtp	100-110 Sulfide / Oxide mix
	lt gray matrix dense phenos 1-3 mm	2% FeS_2 diss + on surfaces (vein coatings)
		5% of chips w/ FeOx coating orange to dk orange
/ 117 pE	117-130 pE	110- Sulfide
	gray-brown mica schist with 3-4% vein qtz	2% FeS_2 dice, vein filling, individual crystals 1-2mm
/ 130 Trtp	130-133 Trtp lt gray porph w/ dense phenos 1-3mm	
/ 133 pE	133-175 pE dk brown-gray mica schist w/ 3-4% vein qtz	
	(140-155) qtz nil	(150-155) FeS_2 crystal ½ cm square
	(155-160) qtz vein 5%	(150-160) FeS_2 in crystals + as aggs 2-3%
		(150-175) FeS_2 ½% or less dice

DRILL CUTTING LOG

Logged by: CMFM

Contractor: LANG | Coordinates: | Project: CRUSHER SITE | Hole No.: B55

Drill Type: DRILTECH D40K | Casing Depth: 10' | State: SOUTH DAKOTA | Sheet 2 of 4

Hole Size: 5½" | Bearing: — | Inclination: 90° | Date Started: 9.17.87 | Property: GILT EDGE

Collar Elev.: | Final Depth: | Date Completed: | Hole Surveyed:

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (1 Weak, 2 Moderate, 3 Strong)	TOTAL SULFIDES (vol %)	ROCK TYPE & STRUCTURE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	GEOLOGIC NOTES: ROCK TYPE	DESCRIPTION: MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veintill, Replacement) / TYPE
					175-180	175-179 Trtp	175-179 Trtp gray matrix, dense white phenos 1-3mm	110- Sulfide (cont.)
					85	179 pE	179-241 pE dk brown micaceous schist; show of vein qtz	(175-180) FeS2 -2% as diss, aggregates
					90			(180-215) FeS2 3-4% vein filling, aggregates
					95			
					195-200			
					5			
					10			
					15		205 went wet	(215-) FeS2 4% diss, vein filling, aggs distinct crystals.
					20			
					220-225			
					30			
					35			
					40			
					45	241 Trtp	241- Trtp lt gray, yellowish matrix, phenos varied in size ½mm - 3-4mm	
					245-250			
					55			(250-270) trace of FeOx in cast of FeS2 crystals orange to dk orange
					60			
					65			
					70			
					270-275			
					80			(280-285) crystal 3mm x 3mm
					85			
					90			
					95			
					295-300			
							(310-320) large chunks (~4cm), hydrothermally altered, vuggy	* (310-320) FeS2 10-12% crystals up to 1½ cm
								(325-330) FeS2 8-9% large crystals
					320-325			(330-375) FeS2 4-5% " "
					345-350			

DRILL CUTTING LOG

Logged by: LMFM

Contractor: LANG | Coordinates: | Project: | Hole No. B-55

Drill Type: | Casing Depth: | State: | Sheet 3 of 4

Hole Size: 5½ | Bearing: — | Inclination: -90° | Date Started: 9/17/87 | Property: Gilt Edge

Collar Elev.: | Final Depth: | Date Completed: | Hole Surveyed:

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (1 Weak, 2 Moderate, 3 Strong)	TOTAL SULFIDES (vol %)	ROCK TYPE & STRUCTURE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	GEOLOGIC NOTES: ROCK TYPE	DESCRIPTION: MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinfill, Replacement)	TYPE
						Trtp	241- Trtp (cont.)	110- Sulfide (cont.)	
								FeS_2 4-5% crystals/dics	
				370-375					
				395-400			(400-405) dk gray, metalic, massive w/ FeS_2 crystals as inclusions. a single chip in sample		
				420-425					
				445-450					
				470-475					
				495-500					
				520-525					

DRILL CUTTING LOG

Logged by:

Contractor LANG | Coordinates | Project | Hole No. B-55

Drill Type | Casing Depth | State | Sheet 4 of 4

Hole Size 5½ | Bearing — | Inclination -90° | Date Started 9/17/97 | Property Gilt Edge

Collar Elev. | Final Depth | Date Completed | Hole Surveyed

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (1 Weak, 2 Moderate, 3 Strong)	TOTAL SULFIDES (vol %)	ROCK TYPE & STRUCTURE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	GEOLOGIC NOTES: ROCK TYPE	DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinlill, Replacement)	TYPE
						Trtp	24F Trtp (cont.)	110- Sulfide (cont.)	
								3-4% diss & crystaline ave 2mm FeS2	
				545-550					
				570 575					
				595-600		EOH			

DRILL CUTTING LOG

Logged by:

Hole No. [illegible]-55 55

[illegible] MINING CO.

Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag
0-5	.015		200-205	.015		400-405	.010		585-590	.005	
5-10	.010		205-210	.025		405-410	.010		590-595	.005	
[illegible]-15	.010		210-215	.010		410-415	.020		595-600	.010	
15-20	.010		215-220	.010		415-420	.015		600-605		
20-25	.010		220-225	.015		420-425	.025		605-610		
25-30	.005		225-230	.010		425-430	.030		610-615		
30-35	.005		230-235	.015		430-435	.015		615-620		
35-40	.005		235-240	.040		435-440	.020		620-625		
40-45	.005		240-245	.030		440-445	.010		625-630		
45-50	.010		245-250	.025		445-450	.025		630-635		
50-55	.005		250-255	.010		450-455	.030		635-640		
55-60	.005		255-260	.010		455-460	.040		640-645		
60-65	.005		260-265	.005		460-465	.045		645-650		
65-70	.005		265-270	.020		465-470	.015		650-655		
70-75	nf		270-275	.015		470-475	.020		655-660		
75-80	nf		275-280	.030		475-480	.020		660-665		
80-85	tr		280-285	.010		480-485	.030		665-670		
85-90	tr		285-290	.010		485-490	.020		670-675		
90-95	.005		290-295	.010		490-495	.010		675-680		
[illegible]-100	.005		295-300	.010		495-500	.025		680-685		
100-105	.005		300-305	.010		500-505	.020		685-690		
105-110	.010		305-310	.010		505-510	.015		690-695		
110-115	.010		310-315	.10		510-515	.020		695-700		
115-120	.005		315-320	.080		515-520	.025				
120-125	.010		320-325	.020		520-525	.030				
125-130	.005		325-330	.055		525-530	.015				
130-135	.005		330-335	.020		530-535	.020				
135-140	tr		335-340	.010		535-540	.020				
140-145	.010		340-345	.020		540-545	.020				
145-150	.010		345-350	.020		545-550	.025				
150-155	.005		350-355	.030		550-555	.050				
155-160	.010		355-360	.015		555-560	.030				
160-165	.010		360-365	.020		560-565	.020				
165-170	.005		365-370	.010		565-570	.005				
170-175	tr		370-375	.010		570-575	.010				
175-180	.010		375-380	.010		575-580	.010				
180-185	.015		380-385	.010		580-585	.015				
185-190	.010		385-390	.020							
190-195	tr		390-395	.020							
195-200	.010		395-400	.015							

ASSAYER [illegible]

Strawberry Hill Mining Co, Assay Division
Box 645, Deadwood, S D 57732

STRAWBERRY HILL MINING COMPANY

ASSAY DIVISION

(6)

POST OFFICE BOX 645 ● DEADWOOD, SOUTH DAKOTA 57732
Telephone (605) 578-1975

— ASSAY CERTIFICATE —

ASSAYER–REFINER
Fred Mosley
Lead, South Dakota
Telephone 584-3420

MANAGER–ASSAYER
Maurice Hoffman
Deadwood, South Dakota
Telephone 578-1975

Mr. Crohm Mining Corporation

Deadwood, S D 57732

October 17 19 97

RERUNS

	SAMPLE NO.	Orig GOLD OUNCES PER TON	Orig GOLD *VALUE PER TON	Rerun SILVER OUNCES PER TON	Rerun SILVER *VALUE PER TON
1	275-280	.030		.000	
2	310-15	.10		.105	
3	315-21	.09		.075	
4	325-30	.055		.070	
5	350-55	.090		.070	
6	550-55	.050		.050	
7	5-56	[redacted]			
8	41[redacted]20	[redacted]		[redacted]	
9	[redacted]70	[redacted]		[redacted]	
10	[redacted]10	[redacted]		[redacted]	
11	31[redacted]20	[redacted]		[redacted]	
12	31[redacted]40	[redacted]		[redacted]	
13	3[redacted]55	[redacted]		[redacted]	
14	[redacted]45	[redacted]		[redacted]	
15	2[redacted]50	[redacted]		[redacted]	

	SAMPLE NO.	Orig GOLD OUNCES PER TON	Orig GOLD *VALUE PER TON	Rerun SILVER OUNCES PER TON	Rerun SILVER *VALUE PER TON
16	[redacted]	[redacted]		[redacted]	
17	[redacted]	[redacted]		[redacted]	
18	[redacted]	[redacted]		[redacted]	
19	[redacted]	[redacted]		[redacted]	
20	[redacted]	[redacted]		[redacted]	
21	[redacted]	[redacted]		[redacted]	
22	[redacted]	[redacted]		[redacted]	
23	[redacted]	[redacted]		[redacted]	
24	[redacted]	[redacted]		[redacted]	
25	[redacted]	[redacted]		[redacted]	
26	[redacted]	[redacted]		[redacted]	
27					
28					
29					
30					

*Values figured on basis of gold @ $_____ per ounce, silver @ $_____ per ounce.

REMARKS:

Strawberry Hill Mining Company is responsible for this report but assumes no responsibility as to the source of the sample tested.

ASSAYER

SHMC
9/8/87

BROHM MINING CORP
P.O. BOX 485
Deadwood, So. Dak

PAGE 1 OF ____

SAMPLE NUMBERS	ANALYSE FOR	TYPE	ASSAY	CHEM	REMARKS
B-41 0-5 thru 30-35	Au 1 Assay Ton	DC	✓		52 Samples ⇒ B-41
35-40					Sample Missing 9/8/87 R.J.M
40-45 thru 260-265					
B-43 0-5 thru 280-285					57 Samples 9/10/87 R.J.M
B-45 0-5 thru 280-285					57 Samples 9/10/87 R.J.M
B-40 0-5 thru 595-600					120 Samples 9/9/87 T.M.
B-42 0-5 thru 360-365					73 Samples 9/12/87 T.M.M
B-44 0-5 thru 595-600					120 Samples 9/12/87 wet from 425-600 TMM
B-46 0-5 thru 330-335					67 Samples 9/13/87 dry TMM
B-48 0-5 thru 395-400					80 Samples 9/13/87 TMM
B-50 0-5 thru 340-345					69 Samples 9/15/87 TMM
B-52 0-5 thru 260-265					53 Samples 9/15/87 TMM
B-54 0-5 thru 595-600					120 Samples 9/17/87 345-600 wet TMM
B-56 0-5 thru 510-515					103 Samples 9/17/87 365-515 wet TMM
B-55 0-5 thru 595-600					120 Samples 9/19/87 210-600 wet TMM
B-49 0-5 THRU 595-600		PULPS	✓		120 SAMPLES 9/21/87 (MET TEST SAMPLES)
B-59 0-5 thru 595-600		DC			120 SAMPLES 9/24/87 TMM
B-60 0-5 thru 480-485					97 SAMPLES 9/24/87 TMM
B-61 0-5 thru 560-565					113 Samples 9/25/87 TMM 414 wet 345-565
B-47 0-5 thru 10-15		Pulps			151 Samples 9/30/87 - pulps
25-30 thru 760-765					from Bondar-Clegg
B-51		Pulps			
B-53		Pulps			
					TOTAL SAMPLES

REJECTS SAVE ____ DISCARD ✓

PULPS SAVE ✓ DISCARD ____

R= rock
C= core
DC= drill cut.
S= soil
SS= stream seds.
W= water

SEND RESULTS TO ADDRESS ABOVE

1691

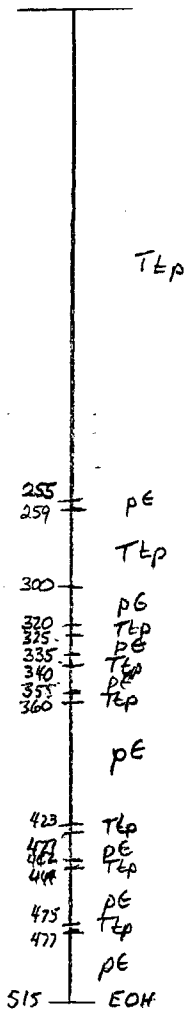
GEOLOGIST T. J. MacLeod

BY Tmm DATE 9/17/87 SUBJECT Gilt Edge B-56 SHEET NO. 1 OF 1

CHKD. BY DATE Geologic Section JOB NO.

TD 515'

B-56



Scale 1"=100'

GILT EDGE MINE EXPLORATION DEPARTMENT

DRILL HOLE # R87-359 [redacted] ASSAY METHOD FIRE ASSAY LAB SHMC

N. 745479.5895 E. 1127952.6767 ELEV. 5506.3

AZ. — DIP 90 TD 515

FROM	TO	RCK CD	OZ/T AU	OZ/T AU CK	OZ/T AG	ORE TYPE
0	5	20				OXIDE
5	10					
10	15					
15	20					
20	25					
25	30					
30	35					
35	40					
40	45					
45	50					
50	55					
55	60					
60	65					
65	70					
70	75					
75	80					
80	85					
85	90					
90	95					
95	100					
100	105					
105	110					
110	115					

FROM	TO	RCK CD	OZ/T AU	OZ/T AU CK	OZ/T AG	ORE TYPE
115	120	70				OXIDE
120	125					
125	130					
130	135					
135	140					
140	145					
145	150					
150	155					
155	160					MIX
160	165					
165	170					
170	175					SULFIDE
175	180					
180	185					
185	190					
190	195					
195	200					
200	205					
205	210					
210	215					
215	220					
220	225					
225	230					
230	235					
235	240					
240	245					
245	250					

FROM	TO	RCK CD	OZ/T AU	OZ/T AU CK	OZ/T AG	ORE TYPE
250	255	20				SULFIDE
255	260	12 (259)				
260	265	20				
265	270					
270	275					
275	280					MIX
280	285					
285	290					
290	295					
295	300					
300	305	12				SULFIDE
305	310					
310	315					
315	320					
320	325	20				
325	330	12				
330	335	20				
335	340	12				
340	345					
345	350					
350	355					
355	360	20				
360	365	12				MIX
365	370					
370	375					
375	380					

FROM	TO	RCK CD	OZ/T AU	OZ/T AU CK	OZ/T AG	ORE TYPE
380	385	12				SULFIDE
385	390					
390	395					
395	400					
400	405					
405	410					
410	415					
415	420					
420	425	(423)				
425	430	20 (427)				
430	435	12				
435	440	(442)				
440	445	20 (444)				
445	450	12				
450	455					
455	460					
460	465					
465	470					
470	475					
475	480	20 (477)				
480	485	12				
485	490					
490	495					
495	500					
500	505					
505	510					

FROM	TO	RCK CD	OZ/T AU	OZ/T AU CK	OZ/T AG	ORE TYPE
510	515	12				SULFIDE
515	520					
520	525					
525	530					
530	535					
535	540					
540	545					
545	550					
550	555					
555	560					
560	565					
565	570					
570	575					
575	580					
580	585					
585	590					
590	595					
595	600					
600	605					
605	610					
610	615					
615	620					
620	625					
625	630					
630	635					
635	640					

Hole No. [illegible]

BROOK MINING CO.

Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag
0-5	tr		200-205	.010		400-405	.015		585-590		
5-10	tr		205-210	tr		405-410	.020		590-595		
10-15	.005		210-215	.005		410-415	.030		595-600		
15-20	tr		215-220	.005		415-420	.050		600-605		
20-25	.005		220-225	tr		420-425	.040		605-610		
25-30	.005		225-230	tr		425-430	.010		610-615		
30-35	.005		230-235	tr		430-435	.015		615-620		
35-40	.010		235-240	.010		435-440	.010		620-625		
40-45	.005		240-245	.050		440-445	.010		625-630		
45-50	.005		245-250	.010		445-450	.015		630-635		
50-55	.005		250-255	.005		450-455	.005		635-640		
55-60	tr		255-260	.010		455-460	.005		640-645		
60-65	.005		260-265	.005		460-465	.010		645-650		
65-70	.010		265-270	.010		465-470	.010		650-655		
70-75	.010		270-275	tr		470-475	.005		655-660		
75-80	.010		275-280	.010		475-480	.005		660-665		
80-85	.005		280-285	.015		480-485	.005		665-670		
85-90	tr		285-290	.005		485-490	.005		670-675		
90-95	.005		290-295	.005		490-495	tr		675-680		
95-100	tr		295-300	.015		495-500	tr		680-685		
100-105	tr		300-305	.005		500-505	.005		685-690		
105-110	.005		305-310	tr		505-510	.005		690-695		
110-115	tr		310-315	tr		510-515	tr		695-700		
115-120	tr		315-320	nf		515-520					
120-125	.005		320-325	.005		520-525					
125-130	.005		325-330	.010		525-530					
130-135	tr		330-335	tr		530-535					
135-140	tr		335-340	.010		535-540					
140-145	.005		340-345	.010		540-545					
145-150	.010		345-350	.015		545-550					
150-155	tr		350-355	.010		550-555					
155-160	tr		355-360	.010		555-560					
160-165	tr		360-365	.005		560-565					
165-170	tr		365-370	.020		565-570					
170-175	tr		370-375	.045		570-575					
175-180	tr		375-380	.025		575-580					
180-185	tr		380-385	.015		580-585					
185-190	.005		385-390	.040							
190-195	.010		390-395	.020							
195-200	.010		395-400	.020							

ASSAYER [signature]

Strawberry Hill Mining Co, Assay Division
Box 645, Deadwood, S D 57732

Hole No. [illegible] 56

SNOWIN MINING CO.

Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag
0-5	tr		200-205	.010		400-405	.015		585-590		
5-10	tr		205-210	tr		405-410	.020		590-595		
[illegible]-15	.005		210-215	.005		410-415	.030		595-600		
15-20	tr		215-220	.005		415-420	.050		600-605		
20-25	.005		220-225	tr		420-425	.040		605-610		
25-30	.005		225-230	tr		425-430	.010		610-615		
30-35	.005		230-235	tr		430-435	.015		615-620		
35-40	.010		235-240	.010		435-440	.010		620-625		
40-45	.005		240-245	.050		440-445	.010		625-630		
45-50	.005		245-250	.010		445-450	.015		630-635		
50-55	.005		250-255	.005		450-455	.005		635-640		
55-60	tr		255-260	.010		455-460	.005		640-645		
60-65	.005		260-265	.005		460-465	.010		645-650		
65-70	.010		265-270	.010		465-470	.010		650-655		
70-75	.010		270-275	tr		470-475	.005		655-660		
75-80	.010		275-280	.010		475-480	.005		660-665		
80-85	.005		280-285	.015		480-485	.005		665-670		
85-90	tr		285-290	.005		485-490	.005		670-675		
90-95	.005		290-295	.005		490-495	tr		675-680		
[illegible]-100	tr		295-300	.015		495-500	tr		680-685		
100-105	tr		300-305	.005		500-505	.005		685-690		
105-110	.005		305-310	tr		505-510	.005		690-695		
110-115	tr		310-315	tr		510-515	tr		695-700		
115-120	tr		315-320	nf		515-520					
120-125	.005		320-325	.005		520-525					
125-130	.005		325-330	.010		525-530					
130-135	tr		330-335	tr		530-535					
135-140	tr		335-340	.010		535-540					
140-145	.005		340-345	.010		540-545					
145-150	.010		345-350	.015		545-550					
150-155	tr		350-355	.010		550-555					
155-160	tr		355-360	.010		555-560					
160-165	tr		360-365	.005		560-565					
165-170	tr		365-370	.020		565-570					
170-175	tr		370-375	.045		570-575					
[illegible]-180	tr		375-380	.025		575-580					
180-185	tr		380-385	.015		580-585					
185-190	.005		385-390	.040							
190-195	.010		390-395	.020							
195-200	.010		395-400	.020							

ASSAYER [illegible]

Strawberry Hill Mining Co, Assay Division
Box 645, Deadwood, S D 57732

STRAWBERRY HILL MINING COMPANY

ASSAY DIVISION

(6)

POST OFFICE BOX 645 ● DEADWOOD, SOUTH DAKOTA 57732
Telephone (605) 578-1975

— ASSAY CERTIFICATE —

ASSAYER–REFINER
Fred Mosley
Lead, South Dakota
Telephone 584-3420

MANAGER–ASSAYER
Maurice Hoffman
Deadwood, South Dakota
Telephone 578-1975

Mr. Irohm Mining Corporation

Deadwood, S D 57732

October 17 19 97

RERUNS

	SAMPLE NO.	Orig GOLD OUNCES PER TON	Orig GOLD *VALUE PER TON	Rerun SILVER OUNCES PER TON	Rerun SILVER *VALUE PER TON
1	[redacted]	[redacted]		[redacted]	
2	[redacted]	[redacted]		[redacted]	
3	[redacted]	[redacted]		[redacted]	
4	[redacted]	[redacted]		[redacted]	
5	[redacted]	[redacted]		[redacted]	
6	[redacted]	[redacted]		[redacted]	
7	3-56 240-45	.050		.055	
8	415-20	.050		.050	
9	[redacted]	[redacted]		[redacted]	
10	[redacted]	[redacted]		[redacted]	
11	[redacted]	[redacted]		[redacted]	
12	[redacted]	[redacted]		[redacted]	
13	[redacted]	[redacted]		[redacted]	
14	[redacted]	[redacted]		[redacted]	
15	[redacted]	[redacted]		[redacted]	

	SAMPLE NO.	Orig GOLD OUNCES PER TON	Orig GOLD *VALUE PER TON	Rerun SILVER OUNCES PER TON	Rerun SILVER *VALUE PER TON
16	[redacted]	[redacted]		[redacted]	
17	[redacted]	[redacted]		[redacted]	
18	[redacted]	[redacted]		[redacted]	
19	[redacted]	[redacted]		[redacted]	
20	[redacted]	[redacted]		[redacted]	
21	[redacted]	[redacted]		[redacted]	
22	[redacted]	[redacted]		[redacted]	
23	[redacted]	[redacted]		[redacted]	
24	[redacted]	[redacted]		[redacted]	
25	[redacted]	[redacted]		[redacted]	
26	[redacted]	[redacted]		[redacted]	
27					
28					
29					
30					

*Values figured on basis of gold @ $_____ per ounce, silver @ $_____ per ounce.

REMARKS:

Strawberry Hill Mining Company is responsible for this report but assumes no responsibility as to the source of the sample tested.

ASSAYER

Contractor: LANG | Coordinates: | Project: | Hole No.: B-56
Drill Type: | Casing Depth: | State: | Sheet 1 of
Hole Size: 5½ | Bearing: — | Inclination: -90° | Date Started: 9/16/87 | Property: Gilt Edge
Collar Elev.: | Final Depth: 515' | Date Completed: 9/17/87 | Hole Surveyed:

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (1 Weak, 2 Moderate, 3 Strong)	TOTAL SULFIDES (vol %)	ROCK TYPE & STRUCTURE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	GEOLOGIC NOTES: DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinfill, Replacement)	TYPE
						Ttp	0-155 Ttp trachyte porphyry phenos 1-2mm, white to yellowish matrix.	0-155 Oxides (0- pervasive orange stain on surface and in rests, FeS_2 Nil	
				20-25					
				45-50					
								(55-65) 5% unoxidized FeS_2 Nil	
				70-75				(75-90) dk orange to brown Oxide in cracks.	
				95-100				(100-115) orange Oxide on 20% of chips	
								(115-135) pervasive orange to dk orange stain	
				120-125					
								(135-145) orange oxide 10%,	
				145-150					
							(155-170) pt zenos. 2% (155-) dk green alt, extensive, white to green clays, some apple green	155-170 Sulfide/oxide mix 5% of chips dk orange to brown coating 1% diss.	
				170-175					

DRILL CUTTING LOG

Logged by:

Contractor: LANG | Coordinates: | Project: | Hole No. B-56

Drill Type: | Casing Depth: | State: | Sheet 2 of 3

Hole Size: 5½ | Bearing: — | Inclination: -90° | Date Started: 9/16/87 | Property: Gilt Edge

Collar Elev.: | Final Depth: | Date Completed: 9/17/87 | Hole Surveyed:

DRILL CUTTING LOG

Logged by:

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (1 Weak, 2 Moderate, 3 Strong)	TOTAL SULFIDES (vol %)	ROCK TYPE & STRUCTURE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	DESCRIPTION: MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinfill, Replacement)	TYPE
						Ttp	0-255 Ttp (cont.)	170-275	Sulfide ½% diss
							(155-225) promanent dk grn alt, soft wht to grn clays, some apple grn. vry fine grain porph, phenos ½-1mm	(175-190) 1% FeS_2 asso. w/ dk grn alt. as vein filling-coating	
				195-200				(190-225) 2% FeS_2 asso. w/ dk grn alt vein filling & aggregates, 1% diss.	
				220-225			(225-255) lt gray, fine grain porph green alt 1%	(225-259) 1% FeS_2	
				245-250					
						255 pE	255-259 pE bk gray to green schist		
						259 Ttp	259-300 Ttp lt grey matrix, phenos small (½-1mm) and often poorly defined	(259-275) 1-2% FeS_2 diss	
				270-275			(270-300) 8-10% pE schist (dk grey) chips		
								275-300	Sulfide/Oxide mix. 2% FeS_2 diss, vein filling 3-4% of chips w/ FeOx coating: orange to dk brown
				295-300					
						300 pE	300-320 pE	300-320	Sulfide 2% FeS_2 diss / vein filling
				320-325		320 Ttp	320-325 Ttp		
						325 pE	325-330 pE		
						335 Ttp	335-340 Ttp		
						340 pE	340-355 pE		
				345-350					

DRILL CUTTING LOG

Contractor: LANG | Coordinates: | Project: | Hole No.: B-56

Drill Type: | Casing Depth: | State: | Sheet 3 of 3

Hole Size: 5½ | Bearing: — | Inclination: -90° | Date Started: 9/16/87 | Property: Gilt Edge

Collar Elev.: | Final Depth: 515 | Date Completed: 9/17/87 | Hole Surveyed:

Distance (feet)	Alteration (1 Weak, 2 Moderate, 3 Strong)	Total Sulfides (vol %)	Rock Type & Structure	Down Hole Location: Distance Down Hole (feet)	Down Hole Location: Elevation	Rock Type	Description: Mineralogy, Alteration, Textures, Grain Size, Fragment Size	Mineralization: Distribution (Massive, Disseminated, Veinlet, Replacement)	Mineralization: Type
							340-355 pE dk green to black, magnetic (cont.)	300-360	Sulfide 2% diss/vein (cont.)
						355 Ttp	355-361 Ttp lt gray fine grained, 15% pE chips		
						360 pE	360-423 pE green to black, magnetic	360-380	Sulfide/Oxide mix
							365 v. ent. v. wet		15% of chips, pervasive orange coating
				370-375			(360-380) 15% porph chips		FeS_2 2% diss.
								380-	Sulfide
							(390-395) 1-2% of sample, porph.		(380-410) 4-5% FeS_2 veinlets/diss.
				395-400					
									(410-450) 2% FeS_2
				420-425		423 Ttp	423-427 Ttp yellowish matrix, phenos 1-2mm		
						427 pE	427-442 pE dk green to black, massive		
						442 Ttp	442-444 Ttp lt gray matrix, phenos 1-2mm		
						444 pE	444-475 pE dk green to black, massive		
				445-450					(450-455) 4% FeS_2 vein
									(455-460) 1% FeS_2
							460 water increased		(460-465) 7-8% FeS_2 much of it is massive or crystals.
							(465-470) gray-green chloritic.		
									(465-515) 1-2% FeS_2 diss/veinlets
				470-475		475 Ttp	475-477 Ttp - pink matrix, phenos 2-3mm		
						477 pE	477-515 pE EOH		
							(485-490) green clays, some massive & soft		
				495-500					
				510-515		EOH			

$515 - 365 = 150$; $150 \div 5 = 30$

Logged by:

SHMC

9/8/87

BROHM MINING CORP
P.O. BOX 485
Deadwood, So. Dak

PAGE 1 OF ____

SAMPLE NUMBERS	ANALYSE FOR	TYPE	ASSAY	CHEM	REMARKS
B-41 0-5 thru 30-35	Au 1 Assay Ton	DC	✓		52 Samples ⇒ B-41
35-40					Sample Missing 9/8/87 R.J.M
40-45 thru 260-265					
B-43 0-5 thru 280-285					57 Samples 9/10/87 R.J.M
B-45 0-5 thru 280-285					57 Samples 9/10/87 R.J.M
B-40 0-5 thru 595-600					120 Samples 9/9/87 T.M.
B-42 0-5 thru 360-365					73 Samples 9/12/87 T.M.M
B-44 0-5 thru 595-600					120 Samples 9/12/87 wet from 425-600 TMM
B-46 0-5 thru 330-335					67 Samples 9/13/87 dry TMM
B-48 0-5 thru 395-400					80 Samples 9/13/87 TMM
B-50 0-5 thru 340-345					69 Samples 9/15/87 TMM
B-52 0-5 thru 260-265					53 Samples 9/15/87 TMM
B-54 0-5 thru 595-600					120 Samples 9/17/87 345-600 wet TMM
B-56 0-5 thru 510-515					103 Samples 9/17/87 365-515 wet TMM
B-55 0-5 thru 595-600					120 Samples 9/19/87 210-600 wet TMM
B-49 0-5 THRU 595-600		PULPS	✓		120 SAMPLES 9/21/87 (MET TEST SAMPLES)
B-59 0-5 thru 595-600		DC			120 SAMPLES 9/24/87 TMM
B-60 0-5 thru 480-485					97 SAMPLES 9/24/87 TMM
B-61 0-5 thru 560-565					113 Samples 9/25/87 TMM 414 wet 345-565
B-47 0-5 thru 10-15		Pulps			151 Samples 9/30/87 - pulps
25-30 thru 760-765					from Bandar Clegg
B-51		Pulps			
B-53		Pulps			
					TOTAL SAMPLES

REJECTS SAVE____ DISCARD ✓

PULPS SAVE ✓ DISCARD____

R= rock
C= core
DC= drill cut.
S= soil
SS= stream seds.
W= water

1691

SEND RESULTS TO ADDRESS ABOVE

GEOLOGIST T. J. MacLeod

GILT EDGE MINE EXPLORATION DEPARTMENT

DRILL HOLE # [redacted] 87-360 ASSAY METHOD [illegible] ASSAY LAB [illegible]

N. [illegible] E. [illegible] ELEV. [illegible]

AZ. [illegible] DIP [illegible] TD 300

FROM	TO	RCK CD	OZ/T AU	OZ/T AU CK	OZ/T AG	ORE TYPE
0	5	15				OXIDE
5	10					
10	15					
15	20					
20	25					
25	30					
30	35					
35	40					
40	45					
45	50					
50	55					
55	60					
60	65					
65	70					
70	75	(13)				
75	80	14 (16)				
80	85	15				
85	90					
90	95	(9)				
95	100	12				
100	105					
105	110					
110	115					

FROM	TO	RCK CD	OZ/T AU	OZ/T AU CK	OZ/T AG	ORE TYPE
115	120	12				P. [illegible]
120	125	15				SULFIDE
125	130	20				
130	135					
135	140					
140	145	15				
145	150					
150	155					
155	160					
160	165					
165	170					
170	175	14				
175	180					MIX
180	185					OXIDE
185	190					
190	195	20				
195	200					
200	205					
205	210					
210	215					
215	220	14				
220	225	15				
225	230	14				
230	235					
235	240					
240	245	4				
245	250					

FROM	TO	RCK CD	OZ/T AU	OZ/T AU CK	OZ/T AG	ORE TYPE
250	255	12				
255	260					
260	265					
265	270					
270	275					
275	280					
280	285					
285	290					
290	295					
295	300					
300	305					
305	310					
310	315					
315	320					
320	325					
325	330					
330	335					
335	340					
340	345					
345	350					
350	355					
355	360					
360	365					
365	370					
370	375					
375	380					

Hole No. [illegible]

Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag
0-5	.005		200-205	.010		400-405			585-590		
5-10	.005		205-210	tr		405-410			590-595		
10-15	.020		210-215	tr		410-415			595-600		
15-20	.010		215-220	.005		415-420			600-605		
20-25	.010		220-225	.010		420-425			605-610		
25-30	.025		225-230	.010		425-430			610-615		
30-35	.010		230-235	.010		430-435			615-620		
35-40	.005		235-240	.010		435-440			620-625		
40-45	tr		240-245	.010		440-445			625-630		
45-50	.005		245-250	.010		445-450			630-635		
50-55	.005		250-255	.015		450-455			635-640		
55-60	.010		255-260	.005		455-460			640-645		
60-65	.025		260-265	.010		460-465			645-650		
65-70	.005		265-270	.010		465-470			650-655		
70-75	.005		270-275	.005		470-475			655-660		
75-80	tr		275-280	.005		475-480			660-665		
80-85	.005		280-285	tr		480-485			665-670		
85-90	.020		285-290	tr		485-490			670-675		
90-95	.025		290-295	tr		490-495			675-680		
95-100	tr		295-300	tr		495-500			680-685		
100-105	nil		300-305			500-505			685-690		
105-110	tr		305-310			505-510			690-695		
110-115	.005		310-315			510-515			695-700		
115-120	.010		315-320			515-520					
120-125	tr		320-325			520-525					
125-130	tr		325-330			525-530					
130-135	.010		330-335			530-535					
135-140	.010		335-340			535-540					
140-145	.025		340-345			540-545					
145-150	.020		345-350			545-550					
150-155	.005		350-355			550-555					
155-160	.010		355-360			555-560					
160-165	.045		360-365			560-565					
165-170	.005		365-370			565-570					
170-175	.025		370-375			570-575					
175-180	.010		375-380			575-580					
180-185	.005		380-385			580-585					
185-190	.010		385-390								
190-195	.005		390-395								
195-200	tr		395-400								

ASSAYER [illegible]

Strawberry Hill Mining Co, Assay Division
Box 645, Deadwood, S D 57732

Hole No. [illegible] 57

Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag
0-5	.015		200-205	.010		400-405			585-590		
5-10	.005		205-210	tr		405-410			590-595		
10-15	.020		210-215	tr		410-415			595-600		
15-20	.010		215-220	.005		415-420			600-605		
20-25	.010		220-225	.010		420-425			605-610		
25-30	.015		225-230	.010		425-430			610-615		
30-35	.020		230-235	.010		430-435			615-620		
35-40	.005		235-240	.010		435-440			620-625		
40-45	tr		240-245	.020		440-445			625-630		
45-50	.005		245-250	.010		445-450			630-635		
50-55	.005		250-255	.010		450-455			635-640		
55-60	.010		255-260	.005		455-460			640-645		
60-65	.005		260-265	.010		460-465			645-650		
65-70	.005		265-270	.010		465-470			650-655		
70-75	.005		270-275	.005		470-475			655-660		
75-80	tr		275-280	.005		475-480			660-665		
80-85	.005		280-285	tr		480-485			665-670		
85-90	.010		285-290	tr		485-490			670-675		
90-95	.015		290-295	tr		490-495			675-680		
95-100	tr		295-300	tr		495-500			680-685		
100-105	nil		300-305			500-505			685-690		
105-110	tr		305-310			505-510			690-695		
110-115	.005		310-315			510-515			695-700		
115-120	.010		315-320			515-520					
120-125	tr		320-325			520-525					
125-130	tr		325-330			525-530					
130-135	.010		330-335			530-535					
135-140	.010		335-340			535-540					
140-145	.005		340-345			540-545					
145-150	.010		345-350			545-550					
150-155	.005		350-355			550-555					
155-160	.010		355-360			555-560					
160-165	.015		360-365			560-565					
165-170	.005		365-370			565-570					
170-175	.015		370-375			570-575					
175-180	.010		375-380			575-580					
180-185	.005		380-385			580-585					
185-190	.010		385-390								
190-195	.005		390-395								
195-200	tr		395-400								

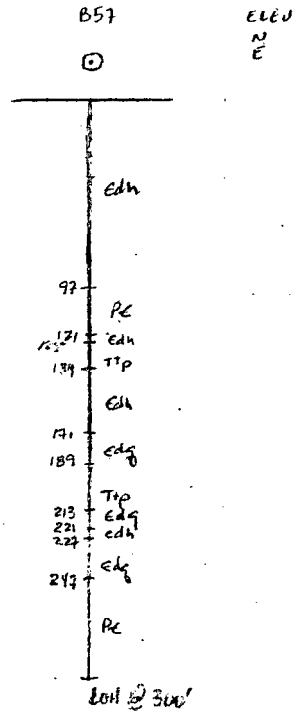
ASSAYER [illegible]

Strawberry Hill Mining Co, Assay Division
Box 645, Deadwood, S D 57732

BY CMFM DATE 9-21-87 SUBJECT GILT EDGE B57 SHEET NO. 1 OF 1

CHKD. BY DATE GEOLOGIC SECTION JOB NO.

SCALE 1" = 100'



Contractor: LANG | Coordinates: | Project: LEACH PAD | Hole No.: B57

Drill Type: DRILTECH D40K (RC) | Casing Depth: 10' | State: SOUTH DAKOTA | Sheet 1 of 2

Hole Size: 5 1/2" | Bearing: – | Inclination: 90° | Date Started: 9-19-87 | Property: GILT EDGE

Collar Elev.: | Final Depth: 300' | Date Completed: | Hole Surveyed:

DRILL CUTTING LOG

Logged by: CMFM

GRAPHIC LOGS

DISTANCE (feet) | ALTERATION (1 Weak, 2 Moderate, 3 Strong) | TOTAL SULFIDES (vol %) | ROCK TYPE & STRUCTURE

GEOLOGIC NOTES

DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	DESCRIPTION: MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinfill, Replacement) / TYPE
0-5		Edh	0-73 CAMBRIAN DEAD HORNFELS-SI Gy-BRN-ORN-YEL	OXIDATION H CLY L-M
10				OXIDES L
15				CLY N
20				OXIDES N
20-25				Ttp TR
30				OXIDES L FeOx L fractures
35				Ttp N
40				MnOx dendrites TR FeOx N
45				MnOx N
45-50				
55				OXIDATION M.
60				
65				MnOx dendrites L
70				MnOx dendrites M FeOx L
70-75 (PRODUCING H_2O @ 70')		Edq	73-76 CAMBRIAN DEAD QTZTE WH	no detrital grain remnants → CHERT?
80		Edh	76-97 CAMBRIAN DEAD HORNFELS Gy-ORN-WH	SILICIFICATION H
85				MnOx dendrites N OXIDES M
90				
95				
95-100 (OXIDES)		Pe	97-121 PRE CAMBRIAN - SOIL BLK-Gy-GRN-WH	OXIDATION L MnOx N MAGNETIC TR
5			BLK	OXIDATION N OXIDES N MnOx N
10				
15				
20 (MIX)				MnOx TR OXIDES TR OXIDATION L fractures MAGNETIC N SULFIDES TR
120-125		Edh	121-125 CAMBRIAN DEAD. HORN	OXIDATION N MnOx N OXIDES N
30		Ttp	125-139 TERT. PORPHORY - HORN. TRACHITE Gy-WH	SULF L crystals disseminated OXIDATION L
35				OXIDATION TR
40 (SULFIDES)		Edh	139-171 CAMBRIAN DEAD HORN. Gy-PURPLE-BRN	SULF M crystal fractures HBN disseminated OXIDATION N.
45				SULF L crystal fractures HBN N
145-150				MAGNETIC M SILICIFICATION H
55				
60				
65				MAGNETIC N SULF M crystal fract.
70				
170-175		Edq	171-189 CAMBRIAN DEAD QTZTE WH-YEL	SULF L CLY L YEL

Contractor: LANA | Coordinates: | Project: LEACH PAD | Hole No.: B57

Drill Type: DRILTECH D40K (RC) | Casing Depth: 10' | State: SOUTH DAKOTA | Sheet 2 of 2

Hole Size: 5 1/2 | Bearing: — | Inclination: 90° | Date Started: 9.19.87 | Property: GILT EDGE

Collar Elev.: | Final Depth: | Date Completed: | Hole Surveyed:

GRAPHIC LOGS

DISTANCE (feet) | ALTERATION (1 Weak, 2 Moderate, 3 Strong) | TOTAL SULFIDES (vol %) | ROCK TYPE & STRUCTURE

MIX — OXIDES

MIX — OXIDES

MIX — SULFIDES

GEOLOGIC NOTES

DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	DESCRIPTION: MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinfill, Replacement)	TYPE
175-180		Edq	WH-YEL-BRN	OXIDATION L FRACT.	SULF N.
85					
90				OXIDATION M FRACT	
95		Ttp	189-213 TERT PORPHYRY - TRACHITE WH-ORG	OXIDATION L FRACT	HEMA L
195-200				SERICITIZATION L	
5				OXIDATION M FRACT	
10					
15				OXIDATION H FRACT	QTZ VNLET L
20		Edq	213-221 CAMBRIAN QTZTE WH	FeOx L fracture	
220-225		Edh	221-227 CAMBRIAN DEAD. HORNFELS ORN-BRN-WH		QTZ VNLET N
30		Edq	227-247 CAMBRIAN DEAD. QTZTE WH-Gy		
35				OXIDATION M FRACT	ROCK H FRACTURED
40					
45					
245-250		PE	247-EOH PRECAMBRIAN - SOIL BLK	SULF L FeOx N OXIDATION L	MAGNETITE L
55				OXIDATION N FeOx N OXIDES N	
60					
65					
70				QTZ VEINLETS L	
270-275				QTZ VEINLETS N	
80					
85					
90					
95					
295-300					
		EOH 4pm.			

DRILL CUTTING LOG

Logged by: CMEM

Newmont Exploration Ltd.

Sheet of

Hole No.

INTERVAL		Percent Recovery	ASSAYS Assay values shown as ppm unless noted otherwise										COMPOSITE ANALYSES Assay Values shown as ppm unless noted otherwise								ESTIMATES OF MINERALOGY Based on assay sample intervals						
From	To		Sample No.									Weighted Averages	Composite No.								Total Sulfide	py					oxidation
																					Vol. %	Vol. %	Vol. %	Vol. %	Vol. %	Vol. %	Vol. %

Logged by:

Newmont Exploration Ltd.

GILT EDGE MINE EXPLORATION DEPARTMENT

DRILL HOLE # 361 [redacted] ASSAY METHOD Fire ASSAY LAB Sunic

N. 745045.2354 E. 1127810.6731 ELEV. 5386.1

AZ. — DIP 90 TD 600

FROM	TO	RCK CD	OZ/T AU	OZ/T AU CK	OZ/T AG	ORE TYPE
0	5	FILL				OXIDE
5	10					
10	15					
15	20					
20	25	14				MIX
25	30					
30	35	12				
35	40	15				
40	45					
45	50					
50	55	(54)				
55	60	12 (58)				SULFIDE
60	65	20 (67)				
65	70	12				
70	75					
75	80					
80	85	(83)				
85	90	20				
90	95					
95	100					
100	105					
105	110					
110	115					

FROM	TO	RCK CD	OZ/T AU	OZ/T AU CK	OZ/T AG	ORE TYPE
115	120	20				SULFIDE
120	125					
125	130					
130	135					
135	140	12 (136)				
140	145	20				
145	150					
150	155					
155	160					
160	165					
165	170					
170	175					
175	180					
180	185					
185	190					
190	195					
195	200					
200	205					
205	210					
210	215					
215	220					
220	225					
225	230					
230	235					
235	240					
240	245					
245	250					

FROM	TO	RCK CD	OZ/T AU	OZ/T AU CK	OZ/T AG	ORE TYPE
250	255	20				SULFIDE
255	260					
260	265					
265	270					
270	275					
275	280					
280	285					
285	290					
290	295					
295	300					
300	305					
305	310					
310	315					
315	320					
320	325					
325	330					
330	335					
335	340					
340	345					
345	350					
350	355					
355	360					MIX
360	365					
365	370					
370	375					
375	380					

FROM	TO	RCK CD	OZ/T AU	OZ/T AU CK	OZ/T AG	ORE TYPE
380	385	20				MIX
385	390					
390	395					
395	400					
400	405					
405	410					
410	415					
415	420					
420	425					
425	430					
430	435					
435	440					
440	445					
445	450					
450	455					
455	460					SULFIDE
460	465					
465	470					
470	475					
475	480					MIX
480	485					
485	490					
490	495					
495	500					
500	505					
505	510					

FROM	TO	RCK CD	OZ/T AU	OZ/T AU CK	OZ/T AG	ORE TYPE
510	515	20				MIX
515	520					
520	525					
525	530					SULFIDE
530	535					
535	540					
540	545					
545	550					
550	555					
555	560					
560	565					
565	570					
570	575					
575	580					
580	585					
585	590					
590	595					
595	600					
600	605					
605	610					
610	615					
615	620					
620	625					
625	630					
630	635					
635	640					

Hole No. [illegible]

Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag
0-5	.005		200-205	.010		400-405	.020		585-590	.015	
5-10	.005		205-210	.015		405-410	.030		590-595	.020	
10-15	tr		210-215	.020		410-415	.020		595-600	.020	
15-20	.005		215-220	.025		415-420	.020		600-605		
20-25	.005		220-225	.020		420-425	.020		605-610		
25-30	.005		225-230	.015		425-430	.020		610-615		
30-35	.005		230-235	.020		430-435	.025		615-620		
35-40	.015		235-240	.010		435-440	.045		620-625		
40-45	.035		240-245	.015		440-445	.020		625-630		
45-50	.010		245-250	.010		445-450	.025		630-635		
50-55	.010		250-255	.020		450-455	.020		635-640		
55-60	.010		255-260	.020		455-460	.020		640-645		
60-65	.010		260-265	.010		460-465	.020		645-650		
65-70	.010		265-270	.020		465-470	.015		650-655		
70-75	.010		270-275	.020		470-475	.015		655-660		
75-80	.010		275-280	.040		475-480	.010		660-665		
80-85	.010		280-285	.020		480-485	.010		665-670		
85-90	.015		285-290	.020		485-490	.015		670-675		
90-95	.010		290-295	.030		490-495	.010		675-680		
95-100	.010		295-300	.045		495-500	.015		680-685		
100-105	.030		300-305	.025		500-505	.020		685-690		
105-110	.010		305-310	.050		505-510	.010		690-695		
110-115	.015		310-315	.040		510-515	.005		695-700		
115-120	.020		315-320	.050		515-520	.005				
120-125	.020		320-325	.030		520-525	.010				
125-130	.025		325-330	.030		525-530	.015				
130-135	.020		330-335	.030		530-535	.025				
135-140	.020		335-340	.050		535-540	.020				
140-145	.020		340-345	.025		540-545	.020				
145-150	.030		345-350	.045		545-550	.015				
150-155	.015		350-355	.050		550-555	.015				
155-160	.020		355-360	.045		555-560	.020				
160-165	.025		360-365	.025		560-565	.015				
165-170	.015		365-370	.030		565-570	.010				
170-175	.020		370-375	.030		570-575	.010				
175-180	.030		375-380	.025		575-580	.015				
180-185	.025		380-385	.025		580-585	.010				
185-190	.020		385-390	.045							
190-195	.020		390-395	.040							
195-200	.020		395-400	.020							

ASSAYER [signature]

Strawberry Hill Mining Co, Assay Division
Box 645, Deadwood, S D 57732

Contractor: LONG | Coordinates: | Project: CRUSHER CITY | Hole No.: B58

Drill Type: DRILTECH D40K (RC) | Casing Depth: 10' | State: SOUTH DAKOTA | Sheet 1 of 4

Hole Size: 5½" | Bearing: – | Inclination: 90° | Date Started: 9-21-87 | Property: GILT EDGE

Collar Elev.: | Final Depth: 660' | Date Completed: 9-22-87 | Hole Surveyed:

DRILL CUTTING LOG

Logged by: CMFM

GRAPHIC LOGS

DISTANCE (feet) | ALTERATION (1 Weak, 2 Moderate, 3 Strong) | TOTAL SULFIDES (vol %) | ROCK TYPE & STRUCTURE

GEOLOGIC NOTES

DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinfill, Replacement)	TYPE
0-5	FILL	FILL	0-20 FILL	CLY M	OXIDATION H
10					
15					
20					
20-25		Ed	20-29 CAMBRIAN DEAD QTZTE WH		
30				SULFIDES TR	
35		PE	29-36 PRE CAMBRIAN SCHIST BLK-GY	OXIDATION L	(MICACOUS)
40		Edh	36-54 CAMBRIAN DEAD HORNFELS ORN-YEL-GY	OXIDATION H	
45					
45-50					
55		PE	54-58 PRE CAMBRIAN SCHIST BLK GY-RED	OXIDATION L SULFIDES L	CLY N (MICACOUS)
60		Tp	58-67 TERT. PORPHORY GY-WH-YEL		
65				OXIDATION N	SULFIDES M
70		PE	67-83 PRE CAMBRIAN SCHIST BLK-RED	SULFIDES L	(MICACOUS)
70-75					(MICACOUS)
80					(MICACOUS)
85		Tp	83-135 TERT. PORPHORY GY WH-GRN		
90					
95					
95-100					
5				Hornblend TR disseminated crystal	
10					
15					
20					
120-125					
30					
35					
40		PE	135-136 PRE CAMBRIAN GY-BLK RED	(MICACOUS)	
45		Tp	136- TERT. PORPHORY GY-WH-GRN		
145-150					
55					
60					
65					
70					
170-175				PbS_2 (?) TR crystals	

DISTANCE (feet): 20-40 % OXIDE; 1 Bot. + 25 top; SULFIDES 1-2 % OXIDES; MIX; SULFIDES 1-5 %

MOISTURE @ 170

Contractor: LANE | Coordinates: | Project: CRUSHER CITE | Hole No.: B58

Drill Type: DRILTECH D40K (RC) | Casing Depth: 10' | State: SOUTH DAKOTA | Sheet 2 of 4

Hole Size: 5½" | Bearing: – | Inclination: 90° | Date Started: 9.21.87 | Property: GILT EDGE

Collar Elev.: | Final Depth: | Date Completed: | Hole Surveyed:

GRAPHIC LOGS

DISTANCE (feet) | ALTERATION (1 Weak, 2 Moderate, 3 Strong) | TOTAL SULFIDES (vol %) | ROCK TYPE & STRUCTURE

DOWN HOLE LOCATION

GEOLOGIC NOTES

DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION DISTRIBUTION (Massive, Disseminated, Veinlill, Replacement)	MINERALIZATION TYPE
175-180				PbS_2 (?) L crystal	
85				PbS_2 N CLY L	
90					
95					
195-200					
5				PbS_2 L	
10				PbS_2 TR	
15				PbS_2 N	
20					
220-225					
30					
35				FeS_2 M massive crystal	
40				(POROSITY HIGH - VOIDS FROM MISSING PHENOCRYSTS)	
45				FeS_2 L massive disseminate	
245-250					
55					
60					
65					
70					
270-275					
80					
85					
90					
95					
295-300					
5					
10					
15					
20					
320-325					
30					
35					
40				Sulfide M massive disseminated	
45					
50					

Inject @ 185 ROCK WET

Hole pumping 1-2 gal/min H_2O

SULFIDES - 10-12% as of vugs.

SULFIDES 1-5%

SULFIDES 5-7%

SULF 1 1 2 2 3 4 3 4 3 2

DRILL CUTTING LOG

Logged by: CMFM

Contractor: LANG | Coordinates: | Project: CRUSHER CITE | Hole No.: B58

Drill Type: DRILTECH D40K (RC) | Casing Depth: 10' | State: SOUTH DAKOTA | Sheet 3 of 4

Hole Size: 5½" | Bearing: – | Inclination: 90° | Date Started: 9.21.87 | Property: GILT EDGE

Collar Elev.: | Final Depth: | Date Completed: | Hole Surveyed:

GRAPHIC LOGS

DISTANCE (feet) | ALTERATION (1 Weak, 2 Moderate, 3 Strong) | TOTAL SULFIDES (vol %) | ROCK TYPE & STRUCTURE

DOWN HOLE LOCATION

GEOLOGIC NOTES

DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinfill, Replacement)	MINERALIZATION: TYPE
350-355					
60				OXIDATION L fractures	Sulfides L massive
65					
70					
370-375					
80				oxidation N	
85				oxidation L (sericitization L)	
90				(sericitization L)	
95				oxidation M fractures; rimmings	
395-400					
5					
10					
15				OXIDATION H rim fractures	
20					
420-425				OXIDATION L rim fractures	
30				OXIDATION M rim fractures	
35				OXIDATION L rim fractures	
40				OXIDATION M rim fractures	
45				OXIDATION H rim fractures	POROSITY L (dissolved phenos)
445-450				OXIDATION L rim fractures	
55				OXIDATION N rim fractures	POROSITY N
60					
65					
70					
470-475					
80				OXIDATION L rim fractures	
85					
90				OXIDATION M rim fractures	
95				OXIDATION H rim fractures	
495-500					
5					
10					
15					
20				OXIDATION L	POROSITY L 1-2% dissolved phenos
520-525					

SULFIDES 1-4% MASSIVE DISSEMINATED; OXIDES 1-2% FRACTURES RIMMINGS; MIXED

SULFIDES 1-3%

SULFIDES 1-2%; OXIDES 1-4%; MIXED

SULFIDES 2-3% 350-400; FeOx 2% Rim; FeOx 2% Rim; FeOx 3% Rim; FeOx 3% Rim; FeOx 5% Rim; FeOx 7% Rim

OXIDES 3

DRILL CUTTING LOG

Logged by: CMFM

Contractor: LANG
Drill Type: DRILTECH D40K (RC)
Hole Size: 5 1/2"
Collar Elev.:
Coordinates:
Casing Depth: 10'
Bearing: — Inclination: 90°
Final Depth:
Project: CRUSHER CITE
State: SOUTH DAKOTA
Date Started: 9.21.87
Date Completed:
Hole No.: B58
Sheet 4 of 4
Property: GILT EDGE
Hole Surveyed:

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (1 Weak, 2 Moderate, 3 Strong)	TOTAL SULFIDES (vol %)	ROCK TYPE & STRUCTURE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	GEOLOGIC NOTES: ROCK TYPE	DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veintill, Replacement)	TYPE
	1 2 3			525-530				POROSITY N	OXIDATION N
				35					
				40					
				45					
				545-550					
				55					
				60					
				65					
				70					
				570-575					
				80					
				85				Sulfide M	
				90				Sulfide L	
				95					
				595-600					

SULFIDE 1-3%

Hole pumping 15-20 gal/hr 0 Min.

Sulfide 7% Sulfide 2-5%

DRILL CUTTING LOG

Logged by: CMF

LAB. REPORT NO. _____

BONDAR-CLEGG INC.

12980 W. CEDAR DR., LAKEWOOD, CO. 80228 PHONE: 989-1404 TELEX: 45-693

SAMPLE SHIPMENT NOTICE

Please analyze by { special ☒ assay (%, ore grade) ☒ / normal ☒ geochemical (ppm, trace level) ☐ } methods, the enclosed { prepared ☐ / unprepared ☒ } samples

For types of sample use: R = rock or core D = soil S = stream sediment W = water V = vegetation X = standard
B = lake bottom sediment F = frost boil P = pulp C = concentrate panned

SAMPLE TYPE	NUMBER OF SAMPLES	SAMPLE NUMBERS (SERIES)	ELEMENTS TO BE ANALYZED Cu	Pb	Zn	Mo	Ag	Cd	Ni	Co	Mn	Fe	Bi	V	U	W	F	Au	As	Hg	Sn	Th	E spec	OTHERS
DC	1	B-46 185-190																X						
DC	1	B-58 235-240																X						

Date Shipped 1/13/80 Via DEADWOOD PREP LAB Prepaid ☐

Parcels in Shipment 2 Collect ☐

Comments: _____

OVERSIZE (COARSE REJECTS) WILL BE DISCARDED UNLESS CHECKED BELOW:

☐ STORE 60 DAYS — THEN RETURN C.O.D. ☐ STORE 60 DAYS — THEN DISCARD.

PULPS—All pulps are stored 1 year, then returned C.O.D.

Results and Invoices To Be Sent To:

BROHM MINING CORP.
C/O JIM BARTON
P.O. BOX 485
Deadwood, SD 57732

☑ Results ☑
☑ Invoice ☑

BROHM MINING CORP.
C/O ROD MACLEON
P.O. BOX 485
DEADWOOD, SD 57732

☐ Results ☐
☐ Invoice ☐

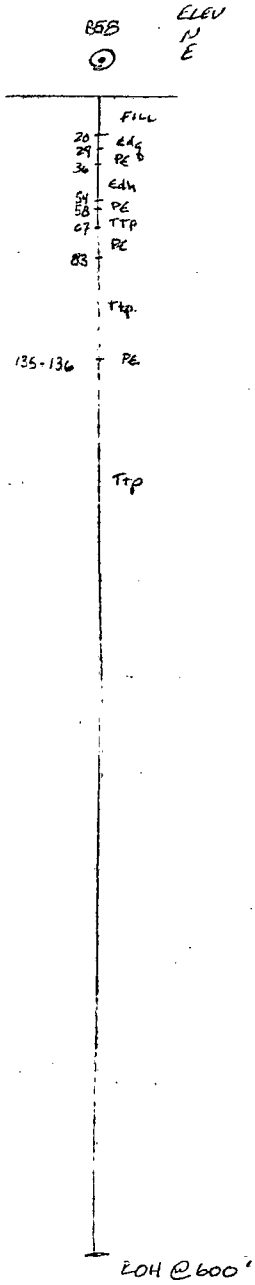
Client Project Number _____

CLIENT'S COPY

BY CMEM DATE 9-22-87 SUBJECT GILT EDGE B58 SHEET NO. 1 OF 1

CHKD. BY ..... DATE ..... GEOLOGIC SECTION JOB NO. .....

SCALE 1" = 100'



Date No.

Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag
0-5	.005		200-205	.020		400-405	.020		585-590	.015	
5-10	.005		205-210	.015		405-410	.030		590-595	.020	
10-15	[illegible]		210-215	.020		410-415	.020		595-600	.020	
15-20	.005		215-220	.025		415-420	.020		600-605		
20-25	.005		220-225	.020		420-425	.020		605-610		
25-30	.005		225-230	.015		425-430	.020		610-615		
30-35	.005		230-235	.020		430-435	.025		615-620		
35-40	.025		235-240	.010		435-440	.045		620-625		
40-45	.035		240-245	.015		440-445	.020		625-630		
45-50	.010		245-250	.010		445-450	.025		630-635		
50-55	.010		250-255	.020		450-455	.020		635-640		
55-60	.010		255-260	.020		455-460	.020		640-645		
60-65	.020		260-265	.020		460-465	.020		645-650		
65-70	.020		265-270	.020		465-470	.020		650-655		
70-75	.020		270-275	.020		470-475	.025		655-660		
75-80	.020		275-280	.040		475-480	.020		660-665		
80-85	.010		280-285	.020		480-485	.010		665-670		
85-90	.025		285-290	.020		485-490	.025		670-675		
90-95	.010		290-295	.030		490-495	.010		675-680		
95-100	.010		295-300	.045		495-500	.015		680-685		
100-105	.030		300-305	.025		500-505	.020		685-690		
105-110	.010		305-310	.050		505-510	.010		690-695		
110-115	.025		310-315	.040		510-515	.005		695-700		
115-120	.020		315-320	.050		515-520	.005				
120-125	.020		320-325	.030		520-525	.010				
125-130	.025		325-330	.030		525-530	.015				
130-135	.020		330-335	.030		530-535	.025				
135-140	.020		335-340	.050		535-540	.020				
140-145	.020		340-345	.025		540-545	.020				
145-150	.030		345-350	.045		545-550	.015				
150-155	.015		350-355	.050		550-555	.015				
155-160	.020		355-360	.045		555-560	.020				
160-165	.025		360-365	.025		560-565	.015				
165-170	.025		365-370	.020		565-570	.010				
170-175	.020		370-375	.020		570-575	.010				
175-180	.030		375-380	.025		575-580	.015				
180-185	.025		380-385	.025		580-585	.020				
185-190	.020		385-390	.045							
190-195	.020		390-395	.040							
195-200	.020		395-400	.020							

ASSAYER [signature]

Strawberry Hill Mining Co, Assay Division
Box 545, Deadwood, S D 57732

LAB. REPORT NO. _____

BONDAR-CLEGG INC.

12980 W. CEDAR DR., LAKEWOOD, CO. 80228 PHONE: 989-1404 TELEX: 45-693

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For types of sample use: R = rock or core D = soil S = stream sediment W = water V = vegetation X = standard
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DC	1	B-46 185-190																X						
DC	1	B-58 235-240																X						

Date Shipped 1/13/80 Via DEADWOOD PREP LAB Prepaid ☐

Parcels in Shipment 2 Collect ☐

Comments: _____

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C/o JIM BARTON
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Deadwood, SD 57732

☑ Results ☑
☑ Invoice ☑

BROHM MINING CORP.
C/o ROD MACLEON
P.O. BOX 485
DEADWOOD, SD 57732

☐ Results ☐
☐ Invoice ☐

Client Project Number _____

CLIENT'S COPY

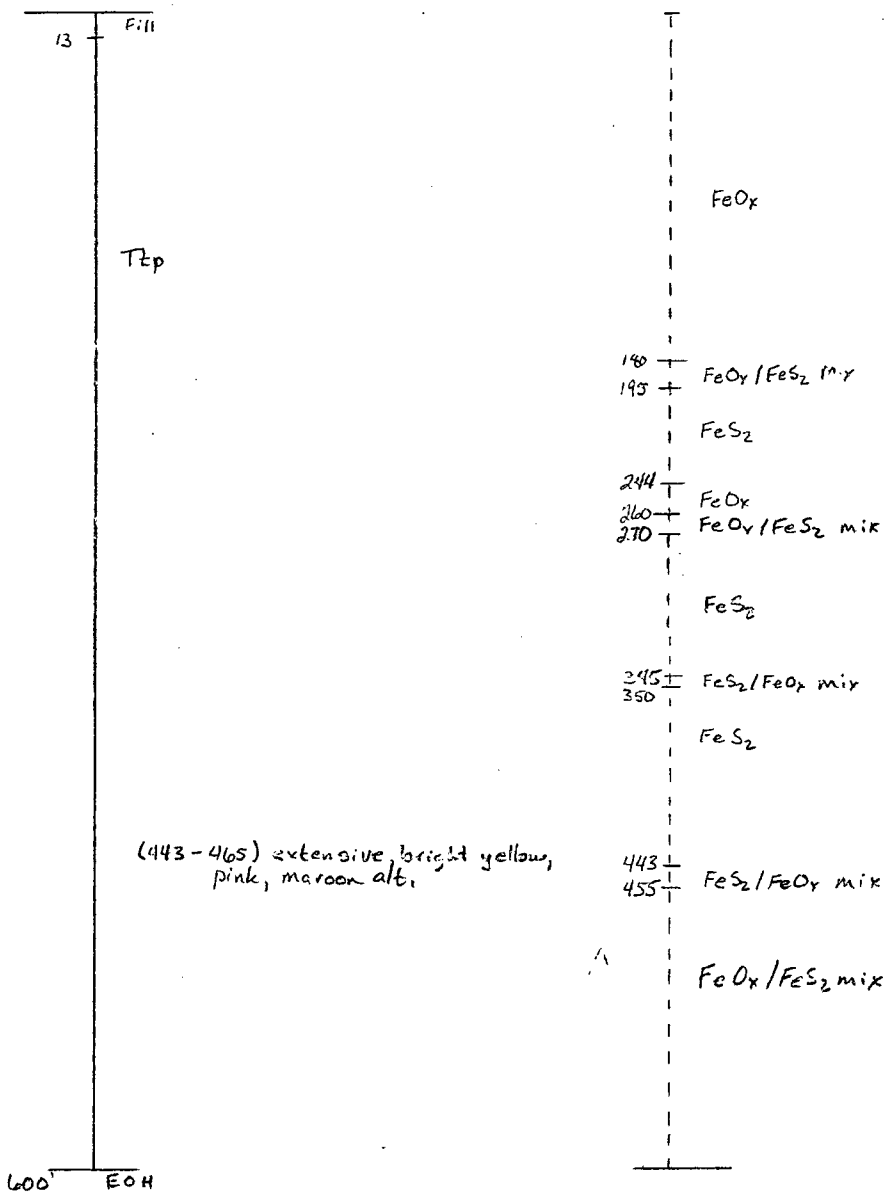
BY Tmm DATE 9/23/87 SUBJECT G.H. Edge B-59 SHEET NO. 1 OF 1

CHKD. BY DATE Geologic Section JOB NO.

Total Depth 600'

Scale 1" = 100'

B-59



Hole No. 58

Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag
0-5	tr		200-205	.015		400-405	.040		585-590	.005	
5-10	tr		205-210	.020	5 @ .020	405-410	.020		590-595	tr	
10-15	.005		210-215	.010		410-415	.025		595-600	tr	
15-20	.005		215-220	.010		415-420	.045		600-605		
20-25	.005		220-225	.015		420-425	.055		605-610		
25-30	.005		225-230	.020		425-430	.030		610-615		
30-35	tr		230-235	.035		430-435	.040		615-620		
35-40	tr		235-240	.045		435-440	.060		620-625		
40-45	.005		240-245	.060		440-445	.030		625-630		
45-50	.005		245-250	.540		445-450	.045		630-635		
50-55	.005		250-255	.475	75' @ .144	450-455	.045		635-640		
55-60	.010		255-260	.420		455-460	.050		640-645		
60-65	.005		260-265	.065		460-465	.095		645-650		
65-70	.005		265-270	.205		465-470	.090		650-655		
70-75	.010		270-275	.030 .020		470-475	.125		655-660		
75-80	.010		275-280	.020 .020		475-480	.130		660-665		
80-85	.005		280-285	.020 .020		480-485	.030 .030		665-670		
85-90	.005		285-290	.035		485-490	.010		670-675		
90-95	.010		290-295	.020		490-495	.015		675-680		
95-100	.010		295-300	.020		495-500	.030		680-685		
100-105	.005		300-305	.010		500-505	.020		685-690		
105-110	.005		305-310	.015		505-510	.010		690-695		
110-115	.005		310-315	.015		510-515	.020		695-700		
115-120	.010		315-320	.020	5' @ .020	515-520	.010				
120-125	.010		320-325	.010		520-525	.010				
125-130	.015		325-330	.010		525-530	.005				
130-135	.005		330-335	.015		530-535	.010				
135-140	.010		335-340	.010		535-540	.015				
140-145	.005		340-345	.010		540-545	.015				
145-150	.020		345-350	.020		545-550	.020	5 @ .020			
150-155	.020	10' @ .020	350-355	.020		550-555	.015				
155-160	.010		355-360	.015		555-560	.005				
160-165	.015		360-365	.025		560-565	.005				
165-170	.010		365-370	.025		565-570	.005				
170-175	.025		370-375	.020		570-575	.010				
175-180	.020	10' @ .022	375-380	.025	170' @ .039	575-580	tr				
180-185	.010		380-385	.020		580-585	tr				
185-190	.010		385-390	.020							
190-195	.010		390-395	.020							
195-200	.015		395-400	.025							

ASSAYER [signature]

Strawberry Hill Mining Co, Assay Division
Box 545, Deadwood, S D 57732

Contractor LANO | Coordinates | Project CRUSHER SITE | Hole No. B59

Drill Type DRILTECH DUAL (RC) | Casing Depth 10' | State SOUTH DAKOTA | Sheet 1 of 4

Hole Size 5 1/2" | Bearing — | Inclination 90° | Date Started 9/22/87 | Property GILT EDGE

Collar Elev. | Final Depth 600' | Date Completed 9/23/87 | Hole Surveyed

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (1 Weak, 2 Moderate, 3 Strong)	TOTAL SULFIDES (vol %)	ROCK TYPE & STRUCTURE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	GEOLOGIC NOTES: DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinlill, Replacement) / TYPE
				0 - 5		FILL	0-13 FILL	OXIDATION H pervasive
				10				
				15		T+o	13- TEPT PORPHYRY - TRACHITE RED. YEL. ORN. WH	OXIDATION H fractures rim
				20				MIN SID Sulfides TR FeOx 1-2%
				20 - 25				FeOx N
				30			ORN. YEL. GY. WH	
				35				
				40				Sulfides L crystal Oxidation M
				45				Oxidation L
				45 - 50				Oxidation M
				55				
				65				
				70				oxidation H FeOx 1-2% Sulfides TR disseminated crystal
				75			WH · ORN · YEL · GRN · GY	FeOx N
				80 - 85				
				90				
				85			WH. RED. ORN YEL. GRN. GY	FeOx 1-2% disseminated MnOx TR textures
				90				
				95				FeOx 5-8% disseminated MnOx N
				95 - 100				FeOx 1-4% disseminated
				5			WH. ORN. YEL. GY. GRN	FeOx N
				10				
				15				
				20				OXIDATION L
				120 - 125			WH. RED. ORN. YEL	OXIDATION H pervasive FeOx 1-3% pervasive
				30				FeOx TR pervasive
				35				FeOx N
				40				
				45				
				145 - 150				
				55				
				60				
				65				
				70				
				170 - 175				

TMN 9/23/87 from 160-165

DRILL CUTTING LOG

Logged by:

Contractor: LANG | Coordinates: | Project: Crusher | Hole No. B-59

Drill Type: D40K Driltech / Archie | Casing Depth: | State: So. Dak | Sheet 2 of 4

Hole Size: 5½ | Bearing: — | Inclination: −90° | Date Started: 9/22/87 | Property: Gilt Edge

Collar Elev.: | Final Depth: 600 | Date Completed: 9/23/87 | Hole Surveyed:

DRILL CUTTING LOG

Logged by:

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (1 Weak, 2 Moderate, 3 Strong)	TOTAL SULFIDES (vol %)	ROCK TYPE & STRUCTURE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	GEOLOGIC NOTES: DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinfill, Replacement)	TYPE
						Ttp	13 - Ttp (cont.)	0-180	Oxidation (cont.)
							(180-195) lt. gray matrix, phenos from 2mm to 4-9mm, mod sparing, pink alt. 5% of chips bright yellow alt. 5%	180-195	Oxide / Sulfide mix orange to dk orange stain, cast filling ~7-8% of chips, FeS_2 1% diss, altered
				195-200			(195-260) lt. gray matrix ave phenos 1-2mm white alteration - nil	195-244	Sulfide 1% diss FeS_2. FeOx - trace
				220-225					
				245-250			* 245-250 went wet	244-260	Oxide pervasive orange stain, cast filling dk orange to brown aggregates 1%
							(260-265) 2% pink alt. 1% yellow alt.	260-270	Oxide / Sulfide
							(265-270) 8% dk red alt. in and around FeS_2 rocks. 1% brt. yellow alt		FeOx 35-40% oxide stain orange - dk brown cast filling, minor aggregate
				270-275			(270-) lt gray matrix, wht phenos from 1mm to ½ cm, ave 2-3mm, apple green clay alt. single occurance	270-345	Sulfide FeS_2 visible Nil. < ½%
								(270-320)	FeS_2 2% diss., FeOx trace to nil
				295-300					
				320-325				(320-345)	FeS_2 3% diss. FeOx trace/nil
				345-350				345-350	Sulfide / Oxide mix 10% of chips orange stain, some cast filling FeS_2 ~3% diss crystals

Contractor LANG | Coordinates | Project Crusher | Hole No. B-59

Drill Type D40K Drilltech / Archie | Casing Depth | State So. Dak | Sheet 3 of 4

Hole Size 5½ percussion | Bearing — | Inclination -90° | Date Started 9/22/87 | Property Gilt Edge

Collar Elev. | Final Depth 600 | Date Completed 9/23/87 | Hole Surveyed

DRILL CUTTING LOG

Logged by:

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (1 Weak, 2 Moderate, 3 Strong)	TOTAL SULFIDES (vol %)	ROCK TYPE & STRUCTURE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	GEOLOGIC NOTES: DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinfill, Replacement) / TYPE
						Tkp	13- Tkp (cont.)	350 - 443 Sulfide
							(270 -) cont.	(350-395) 2% FeS2 diss, crystals ~1mm or <
							lt. gray matrix; white phenos ½ mm	FeOx trace - nil
							to 3-4mm.	
				370-375				
				395-400				(395-443) 3% FeS2 diss, crystals ~1mm
								FeOx Nil
				420-425				
							(443-445) brt yellow alt. < 1%	443 - 455 Sulfide / Oxide mix
				445-450			(445-450) brt yellow alt 30%	(443-455) FeS2 1% diss
							(450-460) pink to maroon, massive alt. of matrix	FeOx 3-4% of chips lt. orange stain
							35-40% yellow alt 5%	and dk orange - brown mot. filling
							(460-465) brt yellow alt 25%	455- Oxide/Sulfide mix orange FeOx stain 5-7% coating, cast
							(465-485) 10% of chips, pink alt of matrix	(465-475) pervasive orange FeOx coating 90% filling of chips
				470-475				
								(475-505) org. to dk. brn stain on 55-60% of chips
								FeS2 ½% diss
							(485-) pale yellow to yellowish gray matrix	
				495-500				
								(505-525) 40% of chips, org to dk brn stain
								FeS2 ½% diss
				520-525				

Contractor: LANG | Coordinates: | Project: | Hole No. B-59

Drill Type: D 40 K Driltech/Archie | Casing Depth: | State: So. Dak. | Sheet 4 of 4

Hole Size: 5½ percussion | Bearing: — | Inclination: -90° | Date Started: 9/22/87 | Property: Gilt Edge

Collar Elev.: | Final Depth: 600' | Date Completed: 9/23/87 | Hole Surveyed:

GRAPHIC LOGS: DISTANCE (feet)	ALTERATION (1 Weak, 2 Moderate, 3 Strong)	TOTAL SULFIDES (vol %)	ROCK TYPE & STRUCTURE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	GEOLOGIC NOTES: DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE; FRAGMENT SIZE)	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinlill, Replacement)	TYPE
						Tkp	13-600 Tkp (cont.)	455-	Oxide/Sulfide Mix (cont.)
							(485-600) pale yellow to yellowish gray matrix, wht phenos		(525-535) 15% Fe_2O_3 stain 1% FeS_2
							(525-535) 2-3% pink to maroon alt. of matrix		(535-600) 30% FeO_x stain
				545 550			½% med. green alt.		FeS_2 ½% or less diss
				570-575					
				595-600		EOH			

DRILL CUTTING LOG

Logged by:

SHMC
9/8/87

BROHM MINING CORP
P.O. BOX 485
Deadwood, So. Dak

PAGE 1 OF ____

SAMPLE NUMBERS	ANALYSE FOR	TYPE	ASSAY	CHEM	REMARKS
B-41 0-5 thru 30-35	Au 1 Assay Ton	DC	✓		52 Samples ⇒ B-41
36-40					Sample Missing 9/8/87 R.J.M
40-45 thru 260-265					
B-43 0-5 thru 280-285					57 Samples 9/10/87 R.J.M
B-45 0-5 thru 280-285					57 Samples 9/10/87 R.J.M
B-40 0-5 thru 595-600					120 Samples 9/9/87 T.M.
B-42 0-5 thru 360-365					73 Samples 9/12/87 T.M.M
B-44 0-5 thru 595-600					120 Samples 9/12/87 wet from 425-600 TMM
B-46 0-5 thru 330-335					67 Samples 9/13/87 dry TMM
B-48 0-5 thru 395-400					80 Samples 9/17/87 TMM
B-50 0-5 thru 340-345					69 Samples 9/15/87 TMM
B-52 0-5 thru 260-265					53 Samples 9/15/87 TMM
B-54 0-5 thru 595-600					120 Samples 9/17/87 345-600 wet TMM
B-56 0-5 thru 510-515					103 Samples 9/17/87 365-515 wet TMM
B-55 0-5 thru 595-600					120 Samples 9/19/87 210-600 wet TMM
B-49 0-5 THRU 595-600		PULPS	✓		120 SAMPLES 9/21/87 (MET TEST SAMPLES)
B-59 0-5 thru 595-600		DC			120 SAMPLES 9/24/87 TMM
B-60 0-5 thru 480-485					97 SAMPLES 9/24/87 TMM
B-61 0-5 thru 560-565					113 Samples 9/25/87 TMM 4/4 wet 345-565
B-47 0-5 thru 10-15		Pulps			151 Samples 9/30/87 - pulps
25-30 thru 760-765					from Bondar-Clegg
B-51		Pulps			
B-53		Pulps			
					TOTAL SAMPLES

REJECTS SAVE____ DISCARD ✓

PULPS SAVE ✓ DISCARD____

R= rock
C= core
DC= drill cut.
S= soil
SS= stream seds.
W= water

1091

SEND RESULTS TO ADDRESS ABOVE

GEOLOGIST T. J. MacLeod