HARRISON GOLD PROJECT 1990

APPENDIX III

DETAILED GEOLOGIC LOGS

BRECCIA ZONE

BX90-141 to BX90-144

PART 2 OF 4

20144

BX 90-141

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5
LOCATION: BRECCIA
DATE COLLARED: Jan 29/90
DATE COMPLETED: Feb 5/90

DEPTH	DIP	AZ.
0	-70	295
27.58	-71	292
210.62	-71	294
149.66	-74	289.5
88.70	-75	292.5
27.36	-73	293

LENGTH: 281.64
ELEVATION: 709
NORTHING: 70181N
EASTING: 11132

PROPERTY: HARRISON LAKE
CORE SIZE: NQ2
SCALE OF LOG: 1:50

HOLE No.: BX 90-141
SHEET No. 1 of 40
LOGGED BY: G. Norman
DATE: Jan 31, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Angles: Bedding	Angles: Cleav./Foliat.	Angles: Faults	Veins: Metres	Veins: Type	Veins: Thickness mm	Veins: Angle	Intensity	Meters	% Hornblende	% Biotite	% Musc./Sericite	% Chlorite	% Epidote	% Sericite	% Garnet	% Dolomite	% Carbonate	Intensity	% Chalcopyrite	% Arsenopy	% Pyrrhotite	% Pyrite	Sphalerite	Type Occurance	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1	Au 2	Ag	Cu	Zn
0-6.1	OVER BURDEN										6.0										2			1	1		D	6.10							
					25	CR	2	45	1			20	30		5										To		S								
																									3		FR								
6.1-18.05	QUARTZ DIORITE																																		
(6.1-15.0)	→ Med grained even text. intrus.										7.0																	42.3							
	w/ 50% mafics. bio % > Hb (5+3mm)																																		
	~ 30%+20% resp. ~ wk. → chl																																		
	~ 1-3% dissem frow ~ 1%																																		
	dissem po. Mod-str fr 40-50%																																		
	Rock is relatively fresh, lim on fr.										8.0																	7.93							
	- from 6.3 to 6.9 gouge - fault																																		
	a) 6.9 fine grey mafic xenolith																																		
	or dyke																																		
	a) 9.0-9.7 - gougey																																		
	a) 10.1-10.67 - gougey										9.0																								
					40°																							41.6							
											10.0																								
					20																							10.67							
											11.0																								
																												98							
	a) 12.65-12.85 - gouge										12.0																								
											13.0	✓	✓		✓						✓			✓	✓		✓								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG:

HOLE No.: BX 90-141
SHEET No 2 of 46
LOGGED BY: G. Norman
DATE: Jan 31/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults/Sh.	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Muse./Serit.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks / Est. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1	Au 2	Ag	Cu	Zn
	QUARTZ DIORITE CONT'D.										13.0				5						2				1to 3		D i FR	13.72							
	as before										14.0																								
	15.0 – 15.32 - broken str. fr'd, w/ limon fr. mod CLAY of fsp.										15.0				✓										✓ 1%			87							
15.32-15.53	LEUCOCRATIC DYKE - light coloration w/ fine whitish ovoid fsp → clay ~50% (phenos) ~30% grey - ser alter. mafic matrix of qtz. str limon fr. Sharp cont	20 30											30				10				7														
	QUARTZ DIORITE. - sections cloudy coloration appear to often stronger cnl'ned bio / hb. str py a) fr. fills. a) 40°.				40°						16.0 / 17.0				15						2				1 to 3		D i FR	16.77 / 108 / 17.07							
											18.0				✓						✓				✓										
18.05 – 18.27	DYKE - QUARTZ DIO. comp. - 30% whitish fsp blky to ovoid 2-4mm. ~20% blk hlb phenos - gneiss bio - fsp str. diss py < 1%	50										20	10		15						0 / 2				1 to 3			75.9							
											19.0																								
18.27 - 59.8	QUART DIORITE CONT. a) per. 6.01 - 15.0 a) 18.54 - 63 small dia dyke cont a) 50 - darker but sim to 19.05 - 18.27										20.0				✓						✓				✓										

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX 90-141
SHEET No 3 of 10
LOGGED BY: G. Norman
DATE: Jan 31, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	A.V.G.	Size V.G. mm	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks / EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 ppb	Au 2 ppb	Ag ppm ppm2	Cu ppm	Zn ppm
	QUARTZ DIORITE CONT'D										20.0			20	30		15						2				3		Fr	20.12							
																	to												Ir								
	19.05 – 19.8. – soft broken.																10												D								
	gouggy except 19.4 – 19.7.																																				
											21.0																										
	Cloudy coloration of QD is due to chl. of mafics.																													98.7	482001	1	<5	5	0.2 .2	107	50
	Quartz vein w/ py blebs.					.8	Q	10	20	1																											
											22.0																										
	@ 22.2 Fr @ 35. weak.																														482002	1	<5		<0.2	68	50
											23.0																			23.17							
																															482003	1	<5		<0.2	57	50
	Quartz vein w/ minor py blebs.					.9	Q	7	40	1	24.0																										
																															482004	1	<5		<0.2	51	56
											25.0																			99.0							
																															482005	1	<5		<.2	27	44
																	5																				
											26.0																			26.21							
	Quartz vein w/ py <1% – 2mm chl					.28	Q	10	25	1									20			5									482006	1	5		0.2	119	54
	py selvage.																					8															
	26.5 – 26.9. text. obscured by																																				
	str ser alter. w/wk. carb.										27.0																										

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX 90-141
SHEET No. 4 of 40
LOGGED BY: G. Norman
DATE: Jun 31, 1990.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	MoS2	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks Est. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2 gt	Ag ppm gt2	Cu ppm	Zn ppm
	QUARTZ DIORITE CONT'D										27.0	20	30								2				3		D				gt				
	Quartz Vein w/ <5% py trace Chl/	MoS2				.36	Q	10	80	3														TR	5										
	Quartz Vein " " " "	"				.5	Q	10	35	3					15									TR	5.				482007	1	<5		0.2	92	36
											28.0																	98.7							
	Carbonate vein. w/Carb-ser halo.	3-5cm				.06	C	4	70																										
	" " " " " "					.36	C	6	80																										
	Quartz-Carb py~1% tr MoS2					.56	C & Q	8	70															TR		1/2			482008	1	5		0.2	82	52
	Quartz vein w/ 1-2% py.					.70	Q	4	70																										
											29.0									5%															
																	30%				7							29.26 *			1820		13.2	205	162
	* Quartz - Po (40%) Py 3% <½ Sphal.					.5	Q	23	60	1							clay							40%		<.1%	V		482009	1	1.71	1.53	15.5		
	- sericite - Good Vein.																																		
	text obscured; destroyed for					.95	C & C	10	70		30.0															<.1	V								
	10 cm on either side of vein.					.33	C	5	65																										
	w/ sericite clay altern.					.36	Q	30																		<.1	V		482010	1	495		1.2	160	154
	@ 30.36 * Quart Vein. Py - Po 50:50																				3														
	blebby text one of sulph.																										D								
	mem. sphal.										31.0																	98.7							
	str dol.-carb altern between																																		
	Two sign. veins.														5														482011	1	10		<0.2	70	48
	@ 30.5. To QD becomes fresh																																		
	looking again w/ hb/bio					.35	Q	7	35	4	32.0													TR			V								
	wkly chl., weak stockwork																										C	32.31							
	of Quartz - py ∓ MoS2																										D		482012		<5		0.3	48	52
	veins 2mm - 7mm @					.5	Q	1.5	60	1																				2					
	25 - 45% C.A																																		
											33.0																	101.6							
	33.5 - 34: qtz - py stockwork																																		
						.7	Q	5	25	7																									
						.75	Q	3	55	7																									
										7	34.0																								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX 90-141
SHEET No. 5 of 40
LOGGED BY: G. Norman
DATE: Feb 1/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 PPB	Au 2	Ag PPM	Cu PPM	Zn PPM
	QUARTZ DIORITE CONT'D										34.0	25	40		5						2				3		D									
																									to		V									
	Quartz Diorite is relatively fresh w/ odd qtz vein					.5	Q	2	55	2															5		-	101.6	482013	2	<5		<0.2	48	50
	w/ py																										Fr									
						.8	Q	3	30	2	35.0																fill									
	- bio is predominate ~					.10	Q	6	50																			35.36								
	40% w/ minor hb - weak																																			
	chl altern.																																			
	- decem py ' fr fills																																			
	at 3-5%.										36.0																									
	QUARTZ Vein <1% py.					.59	Q	6	35	1																		97	482014	2	<5		<0.2	80	46
	Dolomite vein w/ py 5%, MoS_2 (<.5%)					.0	D	15	45		37.0								5																	
	@ 38.46 17cm dyklet @ 45										38.0																									
	possible altern on vein cuts																											36.4								
	through @ 30° w/ chl minor py																																			
	Quartz - Sericite Vein -					.5	Q	20	25	1																			482015	2	<5		0.5	60	56
	Similar vein - Vein is					.72	Q	10	30	1																										
	remenisent of similar vein within										39.0																									
	Breccia.																																			
	Quartz veinlet w/ py.					.51	Q	3	40	1																										
	odd py veinlet @ 25°																											103.9								
											40.0																									
																													482016	2	<5		<0.2	61	54
											41.0																									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH:
LOCATION: | ELEVATION: | PROPERTY: HARRISON LAKE
DATE COLLARED: | NORTHING: | CORE SIZE:
DATE COMPLETED: | EASTING: | SCALE OF LOG:

HOLE No.: Bx 90-141
SHEET No. 6 of 40
LOGGED BY: G. Norman
DATE: Feb 2, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts, Bedding, Cleav./Foliat., Faults	Veins: Metres, Type, Thickness mm, Angle, Intensity	Meters	% Hornblende, Biotite, Musc./Seric.	% Chlorite, Epidote, Sericite, Garnet, Dolomite, Carbonate, Intensity	% Chalcopyrite, Arsenopy, Pyrrhotite, Pyrite	Sphalerite	Type Occurance	Meters Blocks EST. Core Rec.	ASSAY: FROM SAMPLE No. TO	Sample Length	Au 1 PPB	Au 2	Ag PPM	Cu PPM	Zn PPM
	QUARTZ DIORITE CONT'D.			41.0	40	20	3-5					2					
					10					41.45	482016	↓	<5		<0.2	61	54
	41-50.75 relatively fresh				50												
	bio. rich intrusive equigran		.8 py 3 15														
	ulon w/~40 bio. w/~50→		.9 py 10 70	42.0													
	chl. w/~3-5% disem py.																
	some fr. fills, weak qtz																
	veining w/ py, some w/ chl																
	-see altern halos.																
	Caved section 41.45-41.55		.95 py 2 75 1	43.0						99.0							
	~2-4 1-2mm qtz-py veinlts		.00 py 5 75 1														
	per/m.																
				44.0													
										44.5							
	narrow Carbonat.-Quart-Chl.		.25 Chl 1 45	45.0													
	veins w/ minor py.-		.35 Chl 3 45														
				46.0						100							
				47.0													
	Py veinlets fr fills.		.25 py 2 25.							47.55							
				48.0	✓	✓	✓			100							

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX 90-141
SHEET No 7 of 30
LOGGED BY: B.K. Bowen
DATE: Feb 8/90

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Cleav/Foliat	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Mus./Sericite	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopyrite	Pyrrhotite	Pyrite	Sphalerite	Type Occurance	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 PPB	Au 2	Ag PPM	Cu PPM	Zn PPM
	QUARTZ DIORITE CONT'D										48.0				20						2				3											
						32	Q	6	45															TR	to											
	as before to 50.6.																								5					482017	2	<5		0.2	43	70
	@ 48.32 Carbonate vein w/																																			
	minor quartz, trace PO										49.0																									
						4	Q PY	10	70	N													TR					100								
											50.0																									
	@ 50.6 Fault. -2cm grey gouge				35	3	Q	15	40																											
	Rock is soft! clay altered																																			
	to 51.8. Gouge again 51.5-51.8.																											50.6		482018	2	<5		0.5	92	60
	gouge at 51.8 @ 80°																																			
					80						51.0																									
	51.8 - mod. chl quartz dio w/																																			
	3-5% dissem py.																																			
	qtz-py Mos ± veins																																			
	at ~25° to C.A.										52.0																	99								
						4	Q	5	25														TR				V			482019	2	<5		<0.2	40	54
	Py - (Tr. MoS2) ass'd w/					8	Q	10	35														Tr				V									
	Qtz veins.					75	Q	3	40		53.0												TR				V									
	Minor Ser selvage on Qtz					2	Q	10	50																											
	veins.																											53.64								
											54.0																									
	Py w/ Tr Sp in wk MoS2					3	Q	5	25														Tr				V									
	w/ Qtz veins					4	Q	4	40														to				V									
	x 2					6	Q	4	40														wk				V	94.8		482020		<5		0.5	100	46
						9	Q	20	25		55.0																									

BEMA GOLD CORPORATION

N.T.S. MAP GRID : 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION : | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED : | NORTHING : | CORE SIZE :
DATE COMPLETED : | EASTING : | SCALE OF LOG :

HOLE No. : BX 90-141.
SHEET No 8 of 40
LOGGED BY : P. A. Bowen
DATE : Feb 3 '90

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Clast/Foliat	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	B.V.B.	Size V.B. mm	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite - Clay	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	MoS2	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY: FROM SAMPLE No TO	Sample Length	Au 1 ppb	Au 2 gt	Ag ppm gt2	Cu ppm	Zn ppm
	QUARTZ DIORITE - CONT'D.				A	.1	Q	6	60	1	55.0			20	30		20						2		TR.		2-		V								
																											3		X								
	56.1 to 58.7: Sections of minor gouge & broken core associated w/ minor shearing & fracturing @ 10-25° CA.										56.0																			94.8	48 2021	1.0	<5		0.2	46	62
					10																										48 2022	2.0	<5		0.2	62	46
					10																									56.69							
					25						57.0																										
	Sel'n locally accd w/ trace Aty vns.					.35	Q	5	45																												
											58.0														TR			1	V								
*	@ 58.85: 10mm Qtz vn w/ Py-Sphal-MoS2.					.85	Q	10	30																					102.0	48 2023	1.0	<5		0.2	74	52
Check assays					V						59.0																										
*	@ 59.7 .1 m tady fill. gouge w/ Sel'n @ 70° CA.				70°					V				V	V		V						V				V				59.74	* 48 2024	.8	3510 3.26	3.68	7.0 9.5	246	52
59.8-61.8	DYKE: (ANDESITE/DIORITE). Very dk. green in colour, media tick. Central section med. grained w/ 30-40% vague euhedral fspar phenos. Finer grd chilled margins w/ <1mm 20-30% lath like feldspar phenos. # - No veining.	25°								0	60.0			10	15		10- 15						1								98.0	DYKE NOT SAMPLED.						
61.8-64.1	QUARTZ DIORITE - See next page.									1	62.0												4														

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH:
LOCATION: | ELEVATION: | PROPERTY: HARRISON LAKE
DATE COLLARED: | NORTHING: | CORE SIZE:
DATE COMPLETED: | EASTING: | SCALE OF LOG:

HOLE No.: BX 90-141
SHEET No. 9 of 40
LOGGED BY: B. Bower
DATE: Feb 8/90.

METERS FROM-TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Mo Sx	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks / EST Core Recov.	ASSAY: FROM SAMPLE No. TO	Sample Length	Au 1	Au 2	Ag	Cu	Zn
	QUARTZ DIORITE – CONT'D.										62.0	20	30		15		20				4				3–		Q.								
																									4		✓	98.0							
	61.3 – 62.9: Wk-mod. Sericitized				35°																							62.79							
	associated w/ short sections																																		
	rusty stained core. Few minor										63.0																								
	fault contacts @ 35° CA.					.1	Q	4	50	2					30						3														
	@ 63.5: 0.1 m wide f. grd	75																																	
	3' rich QD dike w/ typical										64.0														2–										
	fine-grd QD flags included.					.05	Q	3	45																3			100							
	Both contacts start @ 75° CA.																																		
	Contains mod. Sat. pert.														10–						2														
						.9	Q	2	45						15																				
	Last dyke @ 61.3, QD tel. fract										65.0																								
	and very little veining. Samples																																		
	taken only where warranted.																						Tr.												
						.6	Q	3	55																			48.84							
											66.0																								
						.05	Q	2	50	✓																									
											67.0																								
																												100							
											68.0																								
	Qtz vns w/ Py					.15	Q	3	70	5																									
						.30	Q	6	45																										
						.75	Q	3	45	✓																		98.88							
											69.0		✓	✓	✓						✓				✓		✓								

BEMA GOLD CORPORATION

N.T.S. MAP GRID : 92 H 5
LOCATION :
DATE COLLARED :
DATE COMPLETED :

DEPTH | DIP | AZ.

LENGTH :
ELEVATION :
NORTHING :
EASTING :

PROPERTY : HARRISON LAKE
CORE SIZE :
SCALE OF LOG :

HOLE No. : BX 90-141
SHEET No. 10 of 46
LOGGED BY : B. K. Bowen
DATE : Feb 8/90.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav/Foliat	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Mo Sx	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 PPB	Au 2	Ag ppm	Cu ppm	Zn ppm
	QUARTZ DIORITE – CONT'D.					.05	Q	4	40	3	69.0	20	30		10		<5								2		D									
															15										3		K									
						.25	Q	2	75	↓																	V									
											70.0																									
	@70.15: 5cm dykelet @ 60° Ca.	60																																		
	Med-dk greyish grn in colour					.05	Q	3	40	3																										
	50-60% anhedral fspar phenos					.30	Q	2	40	↓																		99.0								
	w/ Si interstitial. "Crowded																																			
	porphyry". Minor pyrite.										71.0																									
						.50	Q	2	45																											
	Sph. locally as selvage &																																			
	Aspy. next to veins.																											71.93								
											72.0																									
						.20																														
											73.0																									
	@72.5: 12 cm Aly zn w/ MoSx					.50	Q	4	40	2																										
	on vein contacts & minor Sphal.																											99								
	w/in case by blebs.																																			
											74.0																									
																											V									
						.20	Q	2	20																											
	@74.6: 6 cm dykelet @ 35° Ca	35				.50	Q	12	20	V													.1			Tr.	V									
	Sim. to that @ 70.15, carb																										D									
	Alt – 1½ wtts.																											74.98								
											75.0																									
																												100.0								
											76.0																									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH:
LOCATION: | ELEVATION: | PROPERTY: HARRISON LAKE
DATE COLLARED: | NORTHING: | CORE SIZE:
DATE COMPLETED: | EASTING: | SCALE OF LOG:

HOLE No.: BX 90-141
SHEET No. 11 of 40
LOGGED BY: J. K. Brown
DATE: Feb 3/90.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% V.G.	Size V.G. mm	% Hornblende	Biotite	Muss./Serit.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb g/t	Au 2	Ag ppm	Cu ppm	Zn ppm
	QUARTZ DIORITE – CONT'D.										76.0			20	30		10		5				2				2		D									
						.4	QC	4	80	4							15		↓				↓				3		R				4540					
																							7						V		482028	1.0	4.11		13.0	250	50
	76.4–77.5: Mod–sht. petv.					.8	QC	18	80								5								Tr.	Tr.			↓									
	sericite ass'd w/ Qtz–sulphide					.95	Q	25	65	V	77.0	2	.4				10							Tr.		1%		1%	V								
	Vning. Textures obscured.																		50										D								
*	@ 76.3: Qtz vn w/ Py–(Po + Asp)																												R	100								
**	@ 76.95: Qtz vn w/ Py–Po–(Sphal																												V		482029	1.0	50		0.4	38	42
	+ Cpy) w/ 2 grains V.G.																10		5%				2															
											78.0						15													78.03								
																			40																			
																			70																			
																			10–												482030	2.0	10		<0.2	35	54
																			15																			
											79.0								100																			
						.4	Q	4	40	1–																											
										2																											
																														100								
											80.0																											
	@ 80.6: .1 m felsite dyke w/	50																													482031		10		<0.2	36	54
	contacts @ 30° CA. Sul. is 3 mm					.50	Q	4	20																													
	Qtz – Py – Tr. MoS2																															2.0						
						.8	Q	2	35																													
											81.0																			81.03								
	@ 81.05: 2 cm felsite dyke at @	70																																				
	70° CA.																																					
											82.0																											
						.3	Q	4	35																					100	482032		5		0.2	39	62
						.6	C	5	40	V																						2.1						
											83.0			↓	↓		↓		↓				↓				↓			↓									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX 90-141
SHEET No. 12 of 40
LOGGED BY: D. R. Bower
DATE: Feb 6/90.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	B.V.S.	Size V.S.mm.	% Hornblende	Biotite	Muss./Seric.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1	Au 2	Ag	Cu	Zn
	QUARTZ DIORITE – CONT'D x2					.5	Q	4	30	2	83.0			20	30		10-		<5				1-				2-		D									
																	15						2				3		R									
																													V									
	Qtz vn. @ 84.0 terminates					.9	Q	3	70																					100								
	against dike contact.										84.0			V	V		V		V				V				V		V		84.12								
						.0	Q	12	30	V																												
84.1 – 87.6	DYKE (ANDESITE).	45								0				5?	30		10-		10-				2				Tr.											
																	15		15																			
	Upper contact @ 45° = flow																														DYKE	NOT						
	banding // contact. Med. greyish										85.0																											
	grey in colour w/ sparse subhedral																														SAMPLES.							
	to anhed. fspar phenos set in																																					
	f. to med. gr'd salt & pepper																													97.7								
	darkened groundmass w/ f. Bi																																					
	and sec. shearing.										86.0																											
	No sulphides and only trace																																					
	amt. calcite veining. No other																																					
	veining.										87.0																											
																														87.17								
										V				V	V		V		V				V				V											
87.6 –	QUARTZ DIORITE									1				20	30		10-		<5				1-				<1-		D									
											88.0						15						2				2		R									
	Sec. loc. 10° – 45° w/ vns.																												(V)	97.7								
	Very little veining.																														DO NOT							
											89.0																				SAMPLE							
																															– NO							
																															FURTHER.							
	@ 89.6: Andesite dike as set	60/				.4	Q	2	20																													
	AA.1 – 87.6. Upper & lower cont.	30																																				
	@ 30° & 60°. ~ .01M wide									V	90.0			V	V		V		V				V				V		V									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH:
LOCATION: | ELEVATION: | PROPERTY: HARRISON LAKE
DATE COLLARED: | NORTHING: | CORE SIZE:
DATE COMPLETED: | EASTING: | SCALE OF LOG:

HOLE No.: BX 90-141
SHEET No. 13 of 40
LOGGED BY: B.K. Bowen
DATE: Feb 9/90.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 PPB	Au 2 PPB	Ag PPM	Cu PPM	Zn PPM
	QUARTZ DIORITE – CONT'D.										90.0	20	30		60		5				1				21		D	90.22								
															15						2				2		R									
																											V									
											91.0																									
						.6	9	6	55																											
																												100								
											92.0																									
											93.0																									
	x 2					.15	9	4	35	5																		93.27								
						.3	9	6	40																											
																													482033	1.0	5		0.2	45	56	
						65	9	5	25																											
	x 2					.9	9	2	30		94.0																									
						.5	9	6	30	V																										
																												100	482034	1.0	<5		0.2	48	78	
											95.0																V									
	@ 95.2: Qtz vn. w/ Py – Asly – Mo52 – Gry					.3	9	14	25	3												2	10	10			V	*								
						.4	9	20	30	V																	D									
																											R		482035	1.0	360		1.2	73	64	
																											V					364	1.5			
											96.0																	96.32								
																													482036	1.0	<5		<0.2	28	68	
											97.0	V	V		V		V				V				V		V									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH: | HOLE No.: BX 90-121
LOCATION: | ELEVATION: | PROPERTY: HARRISON LAKE | SHEET No. 4 of 40
DATE COLLARED: | NORTHING: | CORE SIZE: | LOGGED BY: B. K. Bower
DATE COMPLETED: | EASTING: | SCALE OF LOG: | DATE: Feb. 9/90.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Folial	Faults	Veins: Meters	Type	Thickness mm	Angle	Intensity	% Meters	% A.V.G.	Also V.G. mm.	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurance	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 PPB	Au 2	Ag PPm	Cu PPm	Zn PPm
	QUARTZ DIORITE – CONT'D.	30				.0	Q	2	30	3	97.0			20	30		10		5				1				4		D.								
						.05	Q	6	70								15						2				2		V								
	@ 97.0: Felsite dyke. Contacts																												L								
	sharp @ 30°. 15-20% Bi flakes																												FF								
	alt'd to Chl-Sert. 1-2% Py. W=					.9	RC	5	30		98.0														Tr.						482037	1.0	<5		0.3	28	60
	.25 m.					.1	Q	3	30																					97.4								
	98.5: 1.2 m wide felsite dyke	40																																				
	@ 40° CA. Sim. to above but																																					
	less Bi.					.9	Q	2	30		99.0																		V								
																										5			V								
						.3	Q	3	25																				D.	99.36							
	Post 99.9 several dyke																												V								
	interrupts at "fine grained																												L								
	phase" w/ rich Ap. Contacts										100.0																		FF								
	sharp w/ "typical" ese Ap.	20°												10	35																							
	Dykes @:																																					
	99.9 - 100.6 w/ CA @ 20°																												V								
	101.5: W = 2cm; CA = 30°					.7	Q	2	35																	5			V								
	101.9: W = 4 cm; CA = 35°					.9	RC	4	30	V	101.0															5			V	99.7							
	100.4 - 103.6 w/ CA @ 25°.																												D.								
																													V								
		30°																											L								
																													FF								
		35									102.0																										
																														102.49							
		25									103.0																			98.0							
														V	V																							
														20	30								V				V		V								
											104.0			V	V		V		V																			

NOT SAMPLED – NO VEININGS.

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX 90-141
SHEET No 15 of 40
LOGGED BY: G. Norman.
DATE:

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Mus./Sericite	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 PPB	Au 2	Ag ppm	Cu ppm	Zn ppm
	Quartz diorite biotite rich relatively fresh ~ 1% disseem po, minor										104.0	45	40								1 2			1-2					98.0							
											105.0																									
	105.5 Quartz Po w/ str ser. halo w/ disseem po ~5%					.5	Q	10	45	1														3 1- 2				105.46							
											106.0																									
						.4	Q	8	30	1																		99.3							
											107.0																									
											108.0																									
											109.0																	108.51	482038	↑ 1 ↓	10		0.3	49	58
	109.3 – 110.5 – v. str ser. a) Hem. of Q.D.																				✓ 8															
	110.5 – 112. Hornblend Rich. Q.D. possible Hybrid? a) 109.9 – 10cm Qtz vein. a) 10% arseno py – 1% sphalerite					.9	Q	100	35	1	110.0							50					1%		10%	.5	✓		101.6	482039	↑ 1 ↓	745		1.6	195	1400
	a) 110.4–110.5 qtz. qtz carb veins w/ser halo.					.4	Q	20	30	7																				482040	↑ 1 ↓	20		0.4	115	72
						.5	Q	20	35	7																										
											111.0																									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX-90-141
SHEET No. 16 of 40
LOGGED BY:
DATE:

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Chlox/Foliat	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Metres	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	Dolomitic	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb g/t	Au 2 g/t	Ag ppm g/t	Cu ppm	Zn ppm
	110-112. amphibolite becoming blotchy.										111.0	50												Tr				101.6							
	HYBRID ZONE																											111.56							
112.0 to 116.45	Hybridized zone at cont. w/sed.																												482041	2	10		0.3	142	350
	str. qtz veining; ser. altern.																																		
	@ 111.95 Quartz Vein w/extreme					.95	Q	20	25	7	112.0						20																		
	ser. altern halo.					.1	Q	20	50	7							tr																		
																	30																		
	112 – 116.8 Str pervasive ser					.0	@ ser	20	25	7	113.0										8							87.2							
	w/ mod quartz stock																																		
	work of 2-3mm veins.																												482042	2	10		0.3	120	108
	113.4 – 113.7 -3-4% po, 3% py																							3/4	3										
						.75	@ py	3	30															3/4	3										
	114.0 – 114.8. 1-2cm felsic										114.0																								
	dyke cuts 2-4% to core																							Tr											
	axis.																											114.60							
											115.0																								
						.3	@ ser	50	80 60	7																			482043	1.45	35		1.9	145	170
						.8	@ ser	15	45	5	116.0													1				120.0 ?							
																													*	116.45					
																													482044		6350		20.0	570	2270
																								Tr							6.2	13.75	20.5		
											117.0										10														
116.45 – 118.1	QUARTZ VEIN																											117.35							
	Chalky white quartz w/10-15 coarse																													117.45					
	ser. For the most part w/ NO.																														445		2.1	35	1100
	sulphide except for massive																											100	482045	1					
	Po section 11cm @ 116.55. Some Vugs w/ qtz xtals										118.0																								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH: | HOLE No.: BX 90-141
LOCATION: | ELEVATION: | PROPERTY: HARRISON LAKE | SHEET No. 17 of 40
DATE COLLARED: | NORTHING: | CORE SIZE: | LOGGED BY:
DATE COMPLETED: | EASTING: | SCALE OF LOG: | DATE:

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Cleav/Foliat	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Metres	a.v.g. Size v.g.mm.	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 PPB	Au 2	Ag PPM	Cu PPM	Zn PPM
											118.0							40				8									118.1						
	Pow/ minor blebs of sphal.																																				
	with massive po section.					.4	Qtz Ser	60	65	7															Tr												
118.1 -	QUARTZ DIORITE					.6	Qtz Ser	110	50	7																					482046	1	55		<0.2	50	72
120.0	str sericite altered. quartz					.8	Qtz Ser	60	70	7																											
	dio. text. obscured - str										119.0																			100							
	quartz veins w/ heavy sericite																																				
	halos. tr po. - qtz veins w/																														482047	1	40		0.2	90	48
	vuggy textures 'qtz vlts.																																				
																						0															
											120.0																										
120.0 -	ANDESITE - BASALT DYKE	85																																			
121.8	Post mineral - grey blk f-g																													120.40							
	dyke w/ fine <1mm mafic phenos																																				
	- no sulph. fresh.																																				
											121.0																										
		65																																			
	QUARTZ DIORITE										122.0							40				8								100							
121.8 -	str ser. altered																																				
122.5.																																					
122.5 to.	BRECCIA					.7	Qtz Ser	90	irreg	5						5															482048	2	60		<0.2	80	465
						.15	Qtz Ser	300	irreg	9	123.0																										
247.5	122.5 - 137.7 Brecciated					.3	Qtz Ser	30	60																												
	Quartz Diorite - intrusive					.5	Qtz Ser	130	irreg																					123.44							
	is strongly sericite altered &					.8	Qtz Ser	100	"																												
	cut by brecciation quartz -																																				
	sericite and grey green clinochlore					0	Qtz Ser	20			124.0														1-2												
	veins. - quartz w/ minor po blebs					.1	Ser	40																	Tr					100							
	up to 1%.																														482049	2	160		0.4	98	320
	odd section of QD weakly altered																					1															
	w/ mod- wk ser altern'n ie					.75	Ser	20										5							2												
	124.5 - 124.7, 125.6 - 126.49										125.0							40				8															

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE | HOLE No.: BX 90-141
DATE COLLARED: | NORTHING : | CORE SIZE : | SHEET No 18 of 40 | LOGGED BY :
DATE COMPLETED: | EASTING : | SCALE OF LOG : | DATE :

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Clear/Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% V.G.	Size V.G. mm.	% Hornblende	Biotite	Muss./Seric.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Host	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb g/t	Au 2	Ag ppm g/t	Cu ppm	Zn ppm
	BRECCIA CONT'D.										125						15									<1			D									
	Intensely sericitized rock w/ groundmass-sericite as well as infilling of																		30												100	482049	2	160		0.4	98	320
											126																											
	dk grey green chlorite Fr w/ very str chlorite + ser.																		<5				1															
	Po – sphal occurs usually w/ white carb w minor qtz (some qtz sections), as irreg.					.49	& ser	20	15																			1	B/V	126.49	482050		105		0.2	28	600
																	15		30																			
											127																											
	masses and blebs, as open space fillings.					.3	&	1	35																Tr													
																															482051		1200 0.9 1.03		3.8 4.5	115	620
	126.49 20 cm qtz-ser vein w/ <1% sphal as blebs in vein										128																			99.0							
	127.9-128.05. wk ser alter.																																					
	@ 128.3 Carbonate-sphal-po coarse infilling, ave. 4 cm.																									1-2 <1		1	% B			482052		990 0.93		4.7 3.8	150	2450
	130.35 – 131.7 – sphal-po										129																											
	openspace filling w/ carb. 1-2% each.																													129.54	482053		195 0.17		0.7 0.8	98	590
											130																											
																										1 t 2		1 1 tr	0		96.1	482054		1210 1.17		8.8 6.0	200	8000
											131																											
																												2										
																															482055		1670 1.99		8.6 7.0	560	5000
											132																											

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5
LOCATION:
DATE COLLARED:
DATE COMPLETED:

DEPTH	DIP	AZ.

LENGTH:
ELEVATION:
NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: BX-90-141
SHEET No 19 of 40
LOGGED BY:
DATE: Feb 12/90.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts, Bedding, Cleav./Foliat., Faults	Veins: Metres, Type, Thickness mm, Angle	Intensity	Metres	% Hornblende, Biotite, Musc./Serit.	% Chlorite, Epidote, Sericite, Garnet, Dolomite, Carbonate	Intensity	% Chalcopyrite, Arsenopy, Pyrrhotite, Pyrite	Sphalerite	Type Occurence	Meters Blocks / EST. Core Rec.	ASSAY: FROM SAMPLE No TO	Sample Length	Au 1 PPB	Au 2 gt	Ag ppm gt	Cu ppm	Zn ppm	MO ppm
	BRECCIA CONT'D.				132		50	8	Tr 1	<1	SO	96.0			8/t		9t 2			
	132.4 po-sphal trace cpy. infilling w/ grey sér.										F D	132.59	482056	1	445 0.45		1.0 2.0	143	1700	
					133															
													482057	1	460 0.41		1.3 1.3	104	540	
	@ 134.1 sphal – po. infilling over 25cm.				134		<5		<1	<1	SO F	100								
													482058	1	580 0.62		2.5 2.0	194	3500	
					135															
												135.64 86.7 135.94	482059	1	170 217		0.5 0.5	75	360	
	136.0 – 136.7 Relatively fresh @ D section with intensely sericitized sections				136	40	<5	<1					482060	1	235 0.21		0.4 <0.5	76	520	
					137		50	8												
	137.7 – True breccia w/ fragments of intrusive and sediments. Conticides w/increase in sulphide mineralization & increase in wht carbonate infilling. Fragments of intrusive are whtish & very str. sericitized & very firm. 21cm to 40cm are prevalent 137.7 to.				138		5				O S F D	100	* 482061	1	9/t 0.62	.56	ppm wt 4 3.0 1.0	% 0.013	% 0.068	% <.001
					139					1 6 2		138.79	482062	1	0.17		4 0.5	0.019	0.799	<.001

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX 90-141
SHEET No. 2 of 40
LOGGED BY: G. Norman
DATE:

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Clevx/Foliat	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	e.V.G.	Size V.G. mm	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks / EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 g/t	Au 2	Ag ppm g/t	Cu %	Zn %	MnO %
	BRECCIA CONT'D					.3	5c	20	35		139						15		30			5	8			1		↑	O			↑						
																										to		1	FU									
	Large quartz dio frags																									2		↓										
	up to 40cm are not sericitized																											2	D		482063	1	0.21		2 1.0	0.021	0.732	<0.001
	within centers and are relatively										140																											
	fresh. @ 143.7-147, 145.15-145.4																																					
																														100								
	137.7-160.0 Mineralized Zone.																														482064	1	0.51		2 1.5	0.011	0.221	<0.001
	Increase in infilling of																																					
	po - Sphal. and trace of										141																											
	cpy. (po - 1-2%, sphal 4-5																																					
	2%). Wht carb. is conspic.																																					
	within this section.																																					
	Most Carb.-po-spha appear				30																							↓										
	to open space filling although										142								45			45		Tr				1		142.04								
	some situations are vein like																											3										
	as per: 139.3 - carb - ser @																														482066	1	0.45		2 1.5	0.010	0.350	<0.001
	35°. ; Fault @ 141.7 - 40cm. @ 30°.																																					
	Lt green coloration - possible																																					
	Hgrnsen coming 143 - 148.7										143																											
	Minor dissem po throughout &																↑																					
	some patchy dissem sphal																					↓								97.7								
	eg.																						↓															
	Intrusive frag are wht w/														40		45					—	1															
	coarse str sericite, altern..										144											↑	↑															
	frag are surrounded by. a....																15		↑																			
	green chlinoclad infilling.																																					
																			5																			
																						45	8															
											145																			145.08								
																			↓																			
															40							—	1															
																			↑			↑	↑															
																						45	8							100								
											146												↓	↓		↓		↓	↓									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX-90-141
SHEET No 21 of 40
LOGGED BY:
DATE:

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts, Bedding, Cleav./Foliat., Faults	Veins: Metres, Type, Thickness mm, Angle	Intensity	Meters	% Hornblende, Biotite, Musc./Serit.	% Chlorite, Epidote, Sericite, Garnet, Dolomite, Carbonate	Intensity	% Chalcopyrite, Arsenopy, Pyrrhotite, Pyrite	Sphalerite	Type Occurrence	Meters Blocks / EST. Core Rec.	ASSAY: FROM SAMPLE No TO	Sample Length	Au 1 g/t	Au 2 g/t	Ag ppm g/t	Cu %	Zn %	Mo %
	BRECCIA CONT'D				146		20 30 L5	8	tr 1-2	1t	0						9t 2			
	str brecciated rock w/ sedimentary intrusive frags. – fragments of intrusive are str sericitized. sedimentary frag appear to be altered w/ ser – chlorite. Fragments are infilled around by grey-green chlinochlore.									3	5		132070	1	.69		4 2.0	0.010	0.236	<0.001
					147							100								
													132071	1	0.38		2 1.5	0.016	0.454	<0.001
					148		30 25					148.13								
	open space mineralization is carbonate w/ po-sphal. dissem po is ubiquitous throughout. up to 3.5%. odd unaltered sections of quartz dio are found at 149.0 & 151.4												132072	1	0.10		2 <0.5	0.009	0.144	<0.001
					149	40	5 1													
							30 25	8	3			96.7	132073	1	0.17		2 0.5	0.017	0.030	<0.001
	Clinochlore appears to have come in under high pressure as it has broken fragmented quartz diorite as well as later than the carbonate as it surrounds it. Increase in chlorite content from 147.8 to ~30%.				150		L5													
									1				132074	1	0.58		2 2.5	0.023	0.020	<0.001
					151				2											
						40	5					151.18								
							30 25						132075	1	1.06	1.15	4 3.3 3.0	0.012	0.075	<0.001
					152		L5 8					100								
									3				132076	1	0.62		2 1.8	0.016	0.012	<0.001
					153															

BEMA GOLD CORPORATION

N.T.S. MAP GRID : 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION : | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED : | NORTHING : | CORE SIZE :
DATE COMPLETED : | EASTING : | SCALE OF LOG :

HOLE No. : BX-90-141
SHEET No. 2 of 40
LOGGED BY :
DATE :

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Angles: Bedding	Angles: Clean/Foliat.	Angles: Faults	Veins: Metres	Veins: Type	Veins: Thickness mm	Veins: Angle	Veins: Intensity	Meters	% Hornblende	% Biotite	% Muse./Seric.	% Chlorite	% Epidote	% Sericite	% Garnet	% Dolomite	% Carbonate	% Intensity	% Chalcopyrite	% Arsenopy	% Pyrrhotite	% Pyrite	Sphalerite	Type Occurence	Meters Blocks	EST. Core Rec.
	BRECCIA CONT'D										153				30		25			45		Tr			Tr	1	6		
																										tr	S		
	as previous page																					<1			<1	3	F	100.7	
											154																		
																											D	154.23	
																										<1			
																								tr					
																								2					
											155																		
																												100	
											156																		
											157																		
																												157.27	
											158																		
																												52.8	
											159																		
											160																		

FROM SAMPLE No. TO	Sample Length	Au 1 g/t	Au 2 g/t	Ag ppm g/t	Cu %	Zn %	Mo %
482077	1	1.13		9 & 2 4 4.8	0.027	0.029	<0.001
482078	1	1.44		4 4.5	0.022	0.019	<0.001
482079	1	0.96		4 3.0	0.011	0.009	<0.001
482081	1	0.48		<2 1.5	0.014	0.010	<0.001
482081	1	0.45		<2 2.5	0.016	0.080	<0.001
482082	1	1.03		4 3.8	0.026	0.134	<0.001
* 482083	1	0.21	.14	<.2 0.5 1.5	0.009	0.009	<0.001

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX-90-141
SHEET No. 23 of 40
LOGGED BY:
DATE:

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% V.G.	Size V.G. mm	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks / EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 g/t	Au 2	Ag ppm g/t	Cu %	Zn %	Mo %
	BRECCIA CONT'D.										160						30		20			<5	8	Tr to <1		↑			O P E N S P A C E D I S S E M.	160.32								
	as per previous. most fragments appear to be intrusive. odd short section only weakly altered.										161															1 to 2				432084	↑ 1 ↓	0.34		2 1.5	0.012	0.009	<0.001
	- decrease in sphalerite content at 160.0m. Trace noted at 163.85 in carbonate veinlet - but otherwise none noted. @ 163.6 20cm. QD dyklet w/ chloritized fragments. contact @ 25°.										162																		52.8	482085	1	0.07		<2 <0.5	0.008	0.007	<0.001
											163																			482086	1	0.21		2 0.8	0.012	0.008	<0.001
	- Po content 1-2% to 164.5 increasing to 2-3% locally to 5%. Although sphal dies out at ~160.0 cpy is still conspicuous in amounts up to ½%.					.85	C	3	55.		164																1%		163.37	482087	1	0.10		<2 0.5	0.013	0.035	<0.001
																								✓ Tr to <1		↓ 2 to 3				101.3	482088	1	0.62		2 1.8	0.018	0.011	<0.001
											165																			482089	1	0.24		2 0.8	0.015	0.009	<0.001
											166													Locally to ½%		Locally to 5%				166.42 99.4	482090	1	0.07		<2 <0.5	0.020	0.009	<0.001
											167																											

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ.
LOCATION:
DATE COLLARED:
DATE COMPLETED:

LENGTH:
ELEVATION:
NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: BX-90-141
SHEET No. 2 of 40
LOGGED BY: G. Norman
DATE: Feb 15/90

METERS FROM-TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts, Bedding, Cleav./Foliat., Faults	Veins: Metres, Type, Thickness mm, Angle	Intensity	Metres	% Hornblende, Biotite, Musc./Sericite	% Chlorite, Epidote, Sericite, Garnet, Dolomite, Carbonate	Intensity	% Chalcopyrite, Arsenopy, Pyrrhotite, Pyrite	Sphalerite	Type Occurrence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 g/t	Au 2 g/t	Ag ppm g/t	Cu %	Zn %	MO %
	BRECCIA CONTINUED				165		30 20		Tr 2									9&2			
	as per previous page.								t tr												
									L 3					482091	1	0.51		2 1.3	0.017	0.012	0.001
					168				5%												
	CPY to 1% at 168.											96.4									
									1%					482092	1	0.62		2 1.5	0.042	0.010	0.001
					169				Locally to 5%												
									Locally to 1%					*				< 2			
												169.47		482093	1	0.17	.63	<0.5 .5	0.009	0.007	<0.001
					170																
														482094	1	0.24		2 0.5	0.010	0.012	<0.001
	171-176. Amount of Sulphides dropping off. 1% Tr cpy 1-2% Po.				171							99.0									
	Amount of carbonate infilling is <1% and decrease in % chlorite infilling.													482095	1	0.17		<2 0.5	0.009	0.009	0.001
									Tr 1												
					172				t												
									<1 2			172.32		482096	1	0.03		<2 <0.5	0.010	0.009	<0.001
									m												
					173				t												
									Locally												
												100.		482097	1	0.24		<2 0.8	0.011	0.007	<0.001
					174																

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5
LOCATION:
DATE COLLARED:
DATE COMPLETED:

DEPTH	DIP	AZ.

LENGTH:
ELEVATION:
NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: BX-90-141
SHEET No 25 of 40
LOGGED BY: G. Norman
DATE: Feb 15/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Clvgs/Foliat	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Quartz Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks	EST. Core Rec.
	BRECCIA CONT'D as before										174				20		20			<2	6	TR		1			D		
																								1			O		
																								tr			O	100.	
																								2			S		
											175																F		
																												175.56	
											176				✓		✓			✓	✓	✓		✓					
	176.2–177.15. Quartz Diorite fragment – relatively unaltered except near margins. – w/ 1% disseminated <1% disseminated.														<5									4	1%		D	98.7	
											177																		
	177.15. – 185.0 Further decrease in Carbonate infilling. Presence of quartz altered is conspicuous in fragments as pervasive altern as as veins 'open space fillings; weak limon fr. @ 178.0 open vug w/ qtz xt'ls @ 178.61 – broken rock w/ str sec onfr. small														20	5	15			<1	6	↑		1					
																tr								tr					
																10								2					
											178																		
																												178.61	
											179																		
																												100.	
											180																		
											181				✓	✓	✓			✓	✓			✓					

ASSAY

FROM SAMPLE No. TO	Sample Length	Au 1 g/t	Au 2 ppb	Ag ppm g/t	Cu %	Zn %	MO %
482098	1	0.17		4 0.5	0.010	0.009	<
482099	1	0.03		2 <0.5	0.013	0.008	<0.001
	2.0						
482100		0.07		2 0.5	0.008	0.007	<0.001
* 482101	2.0	.85	67	0.3 .3	114	88	
482102	2.0	220		0.6	106	70	

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5
LOCATION:
DATE COLLARED:
DATE COMPLETED:

DEPTH	DIP	AZ.

LENGTH:
ELEVATION:
NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: Bx-90-141
SHEET No 2601 40
LOGGED BY: G. Norman
DATE: Feb 15/90.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Metres	V.S.	Size V.S. mm	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Quartz	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks EST. Core Rec.	ASSAY: FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm	MO
	BRECCIA CONT'D as per 177.15 – 185.0					.07	Q	15	65	1	181						20	5 to 10	25			<1	7	↑		1 to 2				181.66								
	~183 – change to predominance of sedimentary fragments.										182																											
	sold. QD fragment weak altered at 183.6 – 183.8 & 186.25 – 186.3										183													very minor Tr 25							482103	2.0	110		0.5	100	60	
											184																											
											185						10	15	20			5 to 10				<1		1/4		100	482104	1.0	<0.03		2 <0.5	0.004	0.022	<0.001
	185.0 – 194.0. Increase in Carbonate infilling ~5–10%. Presence of sphal is now conspicuous ave ~.25%.										186																				482105	1.0	<0.03		2 <0.5	0.006	0.042	0.001
	Quartz infilling has increased to 15%. Decrease in chlorite infilling to ~10%. Decrease in sericite to 20. Fragments of sediment are very colored and appear to be an admixture of ser – chl. (80:20)										187																			187.7	482106	1.0	<0.03		<2 <0.5	0.007	0.030	<0.001
											188																				482107	1.0	<0.03		<2 <0.5	0.005	0.044	<0.001

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG:

HOLE No.: BX 90-141
SHEET No. 27 of 40
LOGGED BY: B. H. Power
DATE: Feb 9/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Fol.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Metres	% Hornblende	Biotite	Muss./Seric.	% Chlorite	Quartz	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks EST Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 g/t	Au 2 g/t	Ag ppm g/t	Cu %	Zn %	Mo %
	BRECCIA – CONT'D										188				10	15	20			5	7	TR											9t 2			
																				6				1		1½	D									
	as per 185.0 – 194.0.																			10						4							< 2			
	with predominance w/																										O		482168	1.0	<0.03		<0.5	0.005	0.030	<0.001
	sedimentary fragments										189																& F									
	within filling of quartz-sericite																											100								
	carbonate.																												482169	1.0	0.07		<2 <0.5	0.004	0.026	<0.001
											190																									
																													482170	1.0	0.07		<2 <0.5	0.006	0.037	<0.001
																												190.3								
											191																									
																													482171	1.0	0.14		<2 <0.5	0.009	0.018	<0.001
											192																									
																												100	482172	1.0	<0.03		<2 <0.5	0.008	0.023	<0.001
											193																									
																													* 482173	1.0	<0.03	.01	<2 <0.5 .5	.006	0.015	0.001
																												193.23								
											194					✓	✓					✓		✓													
	* – BKB start logging in Bx																Ao			5	7			1		TR	D									
	@ 194. Mainly 3x'd argillaceous																So			10				2			&									
	sediment w/ 20-30% matrix																										✓	98.4								
	consisting of white to grey BK2,																												482106	1.0	<0.03		2 <0.5	0.004	0.014	<0.001
	use sericite and white carbonate										195						✓			✓	✓			✓		✓	✓										

BEMA GOLD CORPORATION

N.T.S. MAP GRID : 92 H 5
LOCATION :
DATE COLLARED :
DATE COMPLETED :

DEPTH | DIP | AZ.

LENGTH :
ELEVATION :
NORTHING :
EASTING :

PROPERTY : HARRISON LAKE
CORE SIZE :
SCALE OF LOG :

HOLE No. : Bx 90-04
SHEET No 2801 40
LOGGED BY : B. K. Bruen
DATE : Feb 9/90.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Angles: Bedding	Angles: Cleav./Foliat.	Angles: Faults	Veins: Metres	Veins: Type	Veins: Thickness mm	Veins: Angle	Intensity	Metres	% B.V.G.	% Blue V.G. mm.	% Hornblende	% Biotite	% Musc./Seric.	% Chlorite	% Epidote	% Sericite	% Garnet	% Dolomite	% Carbonate	Intensity	% Chalcopyrite	% Arsenopy	% Pyrrhotite	% Pyrite	Sphalerite	Type Occurrence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 g/t	Au 2	Ag ppm g/t	Cu %	Zn %	MO %
	BRECCIA – CONT'D					.15	Q	22	35		195								40			5-	6-			1-2		<1.	D										
																			50			10	7						K										
	BKB descrip. Cont'd:																												V			482107	1.0	0.62		2 4.0	0.013	0.022	<0.001
	Matrix generally tight w/ little																																							
	or no void space. All frags										196																				98.4									
	pervv. Sericit, mod-strong. Overall colour = lt. to med. grey →					.3	Q	10	35	3																													
	sericite alt'n.					.5	Q	6	30																														
						.7	Q	8	40	V																					196.9	482108	1.0	0.07		2 <0.5	0.008	0.016	<0.001
	@ 195.15: Blk vn. w/ Po-Py- (Sph + Sphal)										197																													
	@ 196.3: Blk vn w/ Po-Py (Sph)																																							
	Po blebby, generally cse 5-10 mm w/ some finer grit. Tr. Sph,										198																					482109	2.0	5		<0.02	41	64	
	<2 mm grains occ. ass'd w/ cse Po blebs. No sphal other than in vein @ 195.15 m.																														99.0									
											199																													
						.46	Q	10	40																														
																															100.95	482110	2.0	5		<0.02	40	72	
											200																													
	Past 200.4, occ. Sericit – alt'd intensive (BB 2) frag. but still mainly angulitic breccia																																							
											201																				100.									
																																482111	2.0	<5		<0.02	41	76	
											202								V			V	V	V		V			V										

TRACE TO MINOR

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5
LOCATION:
DATE COLLARED:
DATE COMPLETED:

DEPTH | DIP | AZ.

LENGTH:
ELEVATION:
NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: BX 90-121
SHEET No. 29 of 40
LOGGED BY: B.V. Swanson
DATE: Feb 9/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Metres	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks	EST. Core Rec.	ASSAY: FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm
	BRECCIA – CONT'D.									0	202						40			5	5	TR.		1+			D									
																	50			10	7								100							
	Similar to above.																																			
											202																		203.0							
																														482112	2.0	5		<0.2	35	82
											204																									
	@ 204.2: Minor fault – 2 cm intense clay-set gouge @ 30° CA.				30°																							100								
											205																									
	Bx. frags continue to be mainly set'd argill. sed or very. set'd argill. sed set'd intrusive frags. mostly 15–20% matrix silica, minor matrix calcite, sericite and chlorite @ 40–50% as matrix & perv. other frags. Tr. to 1% Po, Tr Spy.										206														LOCALLY MYO.			206.04							
											207																									
																												100	482114	2.0	25		<0.2	70	100
											208																									
	208.3 – 211.9: Decrease in Bx & carb. matrix infilling																50			5																
											209																									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5
LOCATION:
DATE COLLARED:
DATE COMPLETED:

DEPTH | DIP | AZ.

LENGTH:
ELEVATION:
NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: 3X 90-141
SHEET No. 300f 40
LOGGED BY: B. K. Bowen
DATE: Feb 7/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm
	BRECCIA – CONT'D.									0	209						50			5	15	Tr.		1%			D	209.09							
	5% as described above.																				7				Minor.				482115	2.0	115		0.3	53	44
											210																								
	@ 210.5: 5mm Set – Clay/gouge. @ 45° CA. Minor slip.				45																						100								
											211																								
																												482116	2.0	15		<0.2	49	36
											212																	212.14							
																	40			5															
																	50			10															
											213																								
																												100	482117	2.0	390		1.8	58	250
											214																								
											215																	215.19							
																												97.7	482118	2.0	85		<0.2	59	32
											216																								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX 90-14
SHEET No. 31 of 40
LOGGED BY: B. K. Bowen
DATE: Feb 10 / 90.

METERS FROM-TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Muss./Serit.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks / EST. Core Rec.	ASSAY: FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm	mo
	BRECCIA – CONT'D.									0	216						40-			3-	7	TR		1-			D									
																	50																			
	Bx. as described above except no intensive dirms noted. All brecciated c/p.																								4 MGO						85		<0.2	59	32	
											217																	99.7								
																													AB 2119	2.0	330		1.2	65	66	
											218																									
	@ 218.1: Broken core + (gouge) over +1.2m. Minor fault.				40										10-		20-			5-	5-							218.24								
															15		25			20	6															
	@ 218.3: 2×5mm clay-sel gouge @ 30°. Minor slips.				30						219											V		V	V											
	@ 219.1: 10 mm clay-sel gouge																							1- 2												
	Last 1st minor fault @ 218.1. Intensities of Alt. decreases										220																	100.	AB 2120	1.0	58		4 1.5	0.014	0.036	0.002
	radically. Insignificant increase in intensities Carb, locally 1-2% at most. Rock colour is drab grey w/ presence of chlorite & decrease in intensity of Sericite.										221															11			AB 2121	1.0	0.21		4 0.5	0.009	0.090	0.001
	alteration. Lower grade c.f.'s assemblage than that above 218.1 m.																					Trace Py		5				221.28	AB 2122	1.0	0.17		4 0.5	0.008	0.148	0.001
	Past 219, Po disi & blebby										222											Trace Py		Locally												
	1-2%, locally 3%, Cpy TR. to minor associated w/ Po. * LOWER ZONE STARTS @ 220.5																											100								
	Past 220.5. 1st appearance of sphal. dis. TR. to 5%. & 4. blebs diss'd w/ some ccs (5mm±) blebs.										223				V		V			V	V	V		V		V	V		AB 2123	1.0	0.10		2 0.5	0.014	0175	0.001

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX 90-141
SHEET No 3 of 40
LOGGED BY: J. K. Beaven
DATE: Feb 10/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts, Bedding, Cleav./Foliat., Faults	Veins: Meters, Type, Thickness mm, Angle, Intensity	Meters	% Hornblende, Biotite, Muse./Sericite	% Chlorite, Epidote, Sericite, Garnet, Dolomite, Carbonate, Intensity	% Chalcopyrite, Arsenopy, Pyrrhotite, Pyrite	Sphalerite	Type Occurrence	Meters Blocks	EST. Core Rec.	ASSAY: FROM SAMPLE No. TO	Sample Length	Au 1 g/t	Au 2 g/t	Ag ppm g/t	Cu %	Zn %	MO %
	BRECCIA – CONT'D:		0	223		15 20 15 5	1	41	D							9/t 2			
						15 25 20 6	2												
	Bx as described from 218.1 onwards.									100		432124	1.0	0.27		4 1.0	0.009	0.177	<0.001
				224															
										224.33									
	@ 224.6: 0.1 m highly sheared zone. Minor fract at fault.						Tr. Minor					432125	1.0	0.41		4 1.0	0.012	0.161	<0.001
				225															
	@ 225.14: few mm clay gouge w/ (limonite) @ 30° – Minor slip.	30					Lesser 3%					*				4 0.5			
	* Some interstitial infilling material locally containing strongly									91.8		432126	1.0	0.17	.16	0.5	0.009	0.134	<0.001
	carbonate is dk grey to blk w/ pale grn. colour on dry scratch = admixed (Rt) chl – Ser assemblage w/ ? chl > Ser.			226								432127	1.0	0.24		4 0.5	0.011	0.225	<0.001
				227						227.38									
												432128	1.0	0.17		2 0.5	0.012	0.072	<0.001
				228															
										99.0		432129	1.0	0.34		4 1.0	0.013	0.108	0.001
				229															
	@ 229.5: 4mm highly sheared @ 30°. Minor slip.	30										432130	1.0	0.07		2 <0.5	0.013	0.150	0.001
				230															

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG:

HOLE No.: BX 90-121
SHEET No 33 of 40
LOGGED BY: B. K. Bowser
DATE: Feb 16/90.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles. Contacts	Bedding	Cleav./Foliat.	Faults	Veins Metres	Type	Thickness mm	Angle	Intensity	Metres	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 g/t	Au 2	Ag ppm g/t	Cu %	Zn %	PbO %
	BRECCIA – CONT'D.									0	230				10		20			15	5			1		L1	D										
															15		25			20	6			2				230.43									
	Breccia as described BQ.																																				
	Interstitial cal-sed assemil.																																				
	Continue S.										231																										
																						TR	MILLIOR														
											232																	100									
											233																										
																												233.48									
											234																										
											235											TR		1-	21	TR		96.4									
																								2													
											236																										
																												236.52									
											237																	100									

FROM SAMPLE No TO	Sample Length	Au 1 g/t	Au 2	Ag ppm g/t	Cu %	Zn %	PbO %
482131	1.0	0.14		4 0.5	0.015	0.176	0.001
482132	1.0	0.07		2 <0.5	0.011	0.087	0.002
482133	1.0	0.03		2 <0.5	0.010	0.129	<0.001
482134	1.0	0.17		4 <0.5	0.006	0.143	0.001
482135	1.0	0.27		4 0.5	0.006	0.052	0.002
482136	1.0	0.27		4 <0.5	0.006	0.028	0.001
482137	1.0	<0.03		4 <0.5	0.005	0.032	<0.001

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG:

HOLE No.: BK 90-124
SHEET No 34 of 40
LOGGED BY: B.K. Bower
DATE: Feb 10/90.

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks	EST. Core Reco.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 g/t	Au 2 g/t	Ag ppm g/t	Cu %	Zn %	MO %
	BRECCIA - CONT'D.									0	237				10		20			15	5	TR.		1		TR.	D							g/t 2			
															15		25			20	6			2													
	Sim. to that described above.																													2B2138	1.0	0.07		2 <0.5	0.008	0.025	<0.001
					25						238																										
	Gressional frag exhibits vague intrusive texture.																											100.0		2B2139	1.0	0.24		4 0.8	0.014	0.038	0.001
	@ 237.2: Few mm, weak fast clay gouge @ 25° - minor slip										239																										
																												239.57		2B2140	1.0	0.24		4 1.3	0.008	0.045	0.002
											240				10		35			10	7																
	Past 240, CSC set off 12 increases, sim. to that above. Lower SHEAR ZONE! Also slight increase in intermittent qtz and presence of carbonate! Slight decrease in TH.																			15						TR. LOCALLY		99.3	*	2B2141	1.0	0.27	.32	2 0.8 1.5	0.006	0.083	0.001
											241																										
																														2B2142	1.0	0.75		4 2.8	0.015	0.018	0.001
											242																										
																												242.62		2B2143	1.0	0.17		2 0.8	0.012	0.18	0.003
											243																										
																												96.7		2B2144	1.0	0.03		2 <0.5	0.014	0.09	0.001
											244																										

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG:

HOLE No.: BX 90-14
SHEET No. 35 of 40
LOGGED BY: B. K. Bowen
DATE: Feb 12/90.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Metres	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks	EST. Core Rec.
	BRECCIA – CONT'D.									0	244				10		35			10-	7	Tr.		1-			D		
																				15				2					
	Sim. to that described																												
	imm. above (past 20a)														10-		20-				5-							96.7	
											245				15		25				6								
	last 244.5, csc set. alt'n dect.,																												
	& fragment size generally																												
	finer than Bx. in general																									Tr		205.67	
	↳ (25 cm ±)																												
											246																		
											247																		
	Bx. contact shaj @ 25°																											100	
		25																											
247.5 –	SEDIMENTS (ARGILLACEOUS)									6					<10		30-			5-	5	Tr.					V		
											248						35												
	247.5 – 249: Seds H. grey in																							Musc.					
	colour → pert. set. Also present																												
	is 30% bull qtz veins: imm.					.5	2	15	45																			248.72	
	to sweat-like. Vague bx. text.																												
	locally such a few cm.										249																		
										1							15			<5	5								
	@ 248.5: 15mm bull qtz in ∥																												
	minor Sp & Tr Cpy. Ca = 45°.																												
	249 – 251: As bef past 251 (i.e.										250																	100	
	strong sericitic set. alt'n absent),																												
	but bull qtz veining still present																												
	10-15% by volume. 1-2% Po &																												
	minor Cpy in qtz vns. No																												
	sulphides in seds.										251																		

ASSAY: FROM SAMPLE No. TO	Sample Length	Au 1 gpt	Au 2 ppb	Ag ppm gpt	Cu %	Zn %	MO %
				PPM 2			
482145	1.0	0.17		4 <0.5	0.008	0.012	0.002
482146	1.0	0.58		6 4.3	0.022	0.009	0.002
482147	1.5	0.55		6 4.5	0.015	0.025	0.035
					0.002	0.004	0.004
482148	1.5	<0.03		<2 <0.5			
X		ppb		ppm	ppm	ppm	
482149	1.0	10	1	<0.2 .1	23	72	
482150	1.0	<5		<0.2	77	58	

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH:
LOCATION: | ELEVATION: | PROPERTY: HARRISON LAKE
DATE COLLARED: | NORTHING: | CORE SIZE:
DATE COMPLETED: | EASTING: | SCALE OF LOG:

HOLE No.: BX 90-141
SHEET No. 36 of 40
LOGGED BY: B. K. Bewer
DATE: Feb 12/90.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Metres	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm
	ZONE FELSED SEDS – CONT'D										251						5–			<5	2	TR.		1%			D								
																	10										V	100							
	Dark 251', banded, lt. to dk.																										R								
	gray seds, f. dense, hard, mod.		70																								1%	251.76	1B2151	1.0	30		0.2	130	94
	+ strongly hornfelsed. Some layers										252																								
	(few cm wide) buff-tan calc-																																		
	silicate, others w/ Gt and Gt-																																		
	Ep. dull Qtz veining generally																																		
	ok except as noted below. Also																												1B2152	1.0	<5		<0.2	70	100
	minor HL Qtz and carb. w/ tr. Po					.75	C	3	50	1	253																	95.7							
	1% + mainly along Gt'c, also																																		
	fram & disc. Tr. Cpy w/ dull																																		
	Qtz vns.																												1B2153	1.0	5		0.2	110	96
	@ 254.8: 5 cm band w/ 10%																																		
	Sp. disc'd Po					.85	B	10	20	V	254																								
																													1B2154	1.0	35		0.2	100	90
	254.4-255.1: 15-20% dull Qtz																											254.81							
	vein w/ 1-2% Sp. Tr. Sp & Cpy.										255																								
	@ 254.5 dull Qtz cut by 2mm																																		
	Qtz. [illegible] dull Qtz veining																																		
	[illegible]																												1B2155	1.0	5		0.2	156	88
	from 254.5-254.8 @ 60°. Also																																		
	Broken Qtz from 254.8-255.1										256																V								
	w/ 3-2% [illegible]																						1				Bx	91.4							
	[illegible]																										D								
																											V								
	@ [illegible] cm [illegible] dike @ 45° CA																										R	91.8	1B2156	2.0	5		<0.2	105	134
	w/ [illegible]										257																FF								
	w/ [illegible]																																		
	[illegible]																																		
						.55																													
	256-257: Minor BA w/ Gt in																										V	257.25							
	sharp sands										258						V	V		V	V	V		V	V										

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: 3X 90-121
SHEET No. 37 of 40
LOGGED BY: [illegible]
DATE: Feb 2/90.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Metres	B.V.G.	Blue V.G. mm.	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks / EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1	Au 2	Ag	Cu	Zn
	Hornfelsed [illegible] – cont'd										258								5±			25	2	TR		<1	<1		Di								
		FC																	↓			↓		↓		↓	↓		FF								
															20				15								1-2		D								
	258.0 – 258.2: Med. – dk. gray,														↓				↓				↓				↓		↓								
	[illegible]	Fr									259																										
	50% 1-2 mm [illegible] – 20% mafics																		5–			25	2			<1	<1		Di.								
	(mainly Bi flakes) set in silic matrix																		10										V								
	Also ~5% [illegible]																												L								
	4 mm. [illegible]																												FC								
	@ [illegible]										260																			100							
	Ser alter Bi locally, 1-2% disp.																																				
						.5	R	5	45	1																											
	[illegible]																																				
	[illegible]					.8	D	15		V																				260.91							
	Locally, 2% concentrated [illegible]										261																										
	main [illegible] layers.																																				
	@ 262.2: 0.3 m [illegible]																																				
	[illegible]										262																			100							
											263																										
																														263.25							
											264																										
																														100							
											265								V			V	V			V	V		Y								

BEMA GOLD CORPORATION

N.T.S. MAP GRID : 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION : | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED : | NORTHING : | CORE SIZE :
DATE COMPLETED : | EASTING : | SCALE OF LOG :

HOLE No. : BX 96-14
SHEET No. 28 of 40
LOGGED BY : B.H. Bowen
DATE : Feb. 2/96.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Angles: Bedding	Angles: Chlorite/Foliat.	Angles: Faults	Veins: Metres	Veins: Type	Veins: Thickness mm	Veins: Angle	Veins: Intensity	Meters	% Hornblende	% Biotite	% Musc./Sericite	% Chlorite	% Epidote	% Sericite	% Garnet	% Dolomite	% Carbonate	% Intensity	% Chalcopyrite	% Arsenopy	% Pyrrhotite	% Pyrite	Sphalerite	Type Occurence	Meters Blocks	EST. Core Recov.
	Hornfelsed [illegible] – cont'd										265						5			<5	2	Tr		<1	<1		D.		
						.36	Q	6	A.	3							10										V		
						.48	Q	15	60	↓																	K		
																											FP	100%	
											266																		
																												266.09	
											267																		
											268																	100	
																											V		
*	@ 268.5: ½ mm sulphide [illegible] w/ B – [illegible]		25																					20		<1	BD		
																											D.		
											269																V		
						.25	Q	2	5	2																	K		
																											FP	269.4	
																												100	
						.95	Q	.25	85		270																V	270.05	
	@ 270.2: 2mm [illegible] w/ B –					.20	Q	7	50	V												76					V		
	minor Py – 77.2 [illegible]																										D.		
																											V	77.2	
																											K		
											271																FP	271.91	
																												100	
											272						V			V	V	V		V	V		V		

ASSAY: FROM SAMPLE No. – TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm
[illegible]	2.0	<5		0.2	50	176
[illegible]	1.0	<5		0.2	52	2000
[illegible]	2.0	260		0.7	62	90

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH:
LOCATION: | ELEVATION: | PROPERTY: HARRISON LAKE
DATE COLLARED: | NORTHING: | CORE SIZE:
DATE COMPLETED: | EASTING: | SCALE OF LOG:

HOLE No.: BX 90-141
SHEET No. 39 of 40
LOGGED BY: J. A. Bowen
DATE: Feb. 2/90.

METERS FROM-TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY: FROM SAMPLE No. TO	Sample Length	Au 1 PPb	Au 2 PPb	Ag ppm ppm2	Cu PPm	Zn PPm
	Hornfelsed SEDS – Cont'd										272						5			45	2			21	21		D,									
																	15										V									
	As described above.					.5m	BK	8	40	1												Fat					L	1								
																											F									
	@ 272.25: 6mm sulphide-rich										273																		272.10							
	bd. @ 35° TA (foliat.).					.10	C	4	30	V																										
	@ 273.1m: 4mm rusty, hardy																													482160	2.0	140		0.5	116	120
	carb. vein @ 30° TA. Also w/																											81.6								
	Py.										274																									
	274.4 – 274.5: .1m broken core																											274.62								
	w/ carb. veins in stand.																																			
											275																									
																														*						
*	@ 275.3m: 10mm wavy carb. vein w/																				TR					TR				482161	1.0	15	29	0.3 .3	90	1570
	Py. – Sphal. – (Cpy)																											86.9								
											276																									
																														482162	2.0	10		0.2	68	114
																												275.62								
											277																									
						.2	R	2	40																											
											278																	98.4								
																														48..	2.0	5		0.2	67	106
											279						V			V	V		V	V		V									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH:
LOCATION: | ELEVATION: | PROPERTY: HARRISON LAKE
DATE COLLARED: | NORTHING: | CORE SIZE:
DATE COMPLETED: | EASTING: | SCALE OF LOG:

HOLE No.: 3x 90-121
SHEET No. 40 of 40
LOGGED BY: B.K. Gower
DATE: Feb 12/90.

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts, Bedding, Cleav./Foliat., Faults	Veins: Metres, Type, Thickness mm, Angle	Intensity	Meters	Hornblende, Biotite, Musc./Swrlz.	Chlorite, Epidote, Sericite, Garnet, Dolomite, Carbonate	Intensity	Chalcopyrite, Arsenopy, Pyrrhotite, Pyrite	Sphalerite	Type Occurence	Meters Blocks / EST. Core Rec.	ASSAY: FROM SAMPLE No. TO	Sample Length	Au 1 PPB	Au 2 PPb	Ag PPm PPm2	Cu PPm	Zn PPm
	HORNFELSED SEDS - CONT'D.				279		5 / 1/2					279.20							
	AS described above.				280										5		0.2	67	106
	@ 280.5: TR. AsPy w/ Tr in 2cm inward vns.		2 0 4 10		281							110.2	483164		5		<0.2	73	90
	TR. Py in BH w/ @ 281.0												483165	.34	<5	5	<0.2 .2	56	86
					281.64			✓			✓	281.64	281.64						
	END OF HOLE @ 281.64 m.																		

BX 90-142

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5	DEPTH 0	DIP -50	AZ. 270	LENGTH: 286.84			HOLE No.: BX 90-122
LOCATION: BRECCIA	277.67	-54	267.5	ELEVATION: 722	PROPERTY: HARRISON LAKE		SHEET No. 1 of 42
DATE COLLARED: Feb 5/90	201.47	-51	273.5	NORTHING: 6990	CORE SIZE: NQ2		LOGGED BY: B. K. Bowen
DATE COMPLETED: Feb 13/90	125.27	-50	276.5	EASTING: 1110.6	SCALE OF LOG: 1:50		DATE: Feb. 13/90.
		-50	275.5				

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav/Foliat	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Quartz ~~Dolomite~~	Carbonate	Intensity	% Chalcopyrite	Mass ~~Arsenopy~~	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1	Au 2	Ag	Cu	Zn
00-6.1	OVERBURDEN										0																									
											1																									
											2																									
											3																									
											4																									
											5																									
											6																									
6.1-26.60	QUARTZ DIORITE.									1			30	20	10-		5±		45		1		TR	TR	2-		D.	6.1								
	Typical med-csg grained QD w/ w/c-mod chl'z of mafics.														15										3		V									
																											FE									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG:

HOLE No.: Sx 90-142
SHEET No 2 of 42
LOGGED BY: B.K. Bower
DATE: Feb 19/90.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	B.V.G.	Size V.G. mm.	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks	EST. Core Recov.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1	Au 2	Ag	Cu	Zn
	QUARTZ DIORITE – CONT'D.									1				30	20		10		5T		15		1	TR	TR	TR	2		D.									
																	15										3		V									
	Mind set ass'd w/ late Qtz																												FF									
	vn of Py affi & weak, patchy																																					
	heav. sericite locally.										8																			7.97								
	* location of individual Qtz																																					
	vns not recorded boxes 1&2																																					
	dropped and core jumbled.																																					
											9																											
											10																											
											11																			10.97								
											12																											
											13																											
										V	14			V	V		V		V		V		V	V	V	V	V		V	14.02								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH:
LOCATION: | ELEVATION: | PROPERTY: HARRISON LAKE
DATE COLLARED: | NORTHING: | CORE SIZE:
DATE COMPLETED: | EASTING: | SCALE OF LOG:

HOLE No.: 6X 90-142
SHEET No. 3 of 42
LOGGED BY: R. K. Zurek
DATE: Feb 15/90

METERS FROM-TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	MoS2	Pyrrhotite	Pyrite	Sphalerite	Type Occurance	Meters Blocks EST. Core Rec.	ASSAY: FROM SAMPLE No. TO	Sample Length	Au 1 PPb	Au 2	Ag PPm	Cu PPm	Zn PPm
	QUARTZ DIORITE - CONTD.									1	14	50	20		10		5%				1	TR	TR	TR	1%		D.								
																									2		V								
	- as described previously,																										FA								
											15																								
											16																								
											17																	17.07							
											18																								
											19																	19.0							
						LS	CH	4	Bo	2											2														
						95	Q	3	45																										
	@ 20.4: Tr. MoS2 w/ Py in Qtz vn.																											282174	2.0	10		<0.2	39	54	
											20																	20.17							
	@ 20.9: 7 cm felsite dyke @	40				.4	Q	6	65																										
	40 CA.					.5	Q	2	60																										
																												95.34							
											21	V	V		V		V				V				V		V		21.0	V					

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: 5x 90-12
SHEET No. 4 of 42
LOGGED BY: J.H. Bowen
DATE: 23 X/90.

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2 ppb	Ag ppm	Cu ppm	Zn ppm
	QUARTZ DIORITE - CONT'D.										21	25	20		10		5				2				2-		D		*21.0	↑					
						.5	A	6	45	S			1				-10								3		V								
	As described above.					.6	A	5	70																				AB2175	1.0	400		0.3	85	56
																													22.0	↓		333	0.7		
						.9	A	50	65		22											TR	10				V								
	Locally Set'd assi'd w/ widest Qtz veins.					.45	A	40	75													3	1	10		8	V	95.34		↑					
																													32176	1.0	30		<0.2	263	1000
*	@ 21.9: 60 mm Qtz vn. w/ Asly - Po - (Tr. Cpy) & poss. Scheelite																												23.0	↓					
											23																	23.16							
						.5	A	4	70																					↑					
*	@ 22.45: 40 mm Qtz vn. w/ Po - Sheel't - Cpy - (Py - Asly).																														15		<0.2	34	70
						.7	A	3	60																				32177	2.0					
											24																								
						.35	A	3	25																										
						.5	A	3	40																										
																													25.0	↓					
											25																	103.3							
						.55	A	3	35																										
						.95	A	3	35		26																								
						.15	A	3	45																			26.21							
						.30	A	2	70																										
						.55	A	4	45	V			V	V	V		V				V				V										
26.60 - 27.90	ANDESITE DIKE	25								0		20	?		10+			10			2				TR		D								
											27				15																				
	30-40% 3-4mm anhedral tsbds set in dk. grn matrix w/ diss'd Py and occ. blkd lath. Minor Set Rare & Tr. diss'd Py. No veins.																											100							
		40								V	28										V				V		V								

BEMA GOLD CORPORATION

N.T.S. MAP GRID : 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION : | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED : | NORTHING : | CORE SIZE :
DATE COMPLETED : | EASTING : | SCALE OF LOG :

HOLE No. : Ex 90-142
SHEET No. 5 of 42
LOGGED BY : P.H. Gower
DATE : Feb 15/90.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	a.v.g.	Size V.G. mm.	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Mo.Sp.	Pyrrhotite	Pyrite	Sphalerite	Type Occurance	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1	Au 2	Ag	Cu	Zn
27.90 – 43.95	QUARTZ DIORITE – CONT'D.									2	28			25	15		10		10-				2	TR	TR	41	2		D1								
						.5	Q	5	25	3									12				3				2		V								
	28.2 – 28.6: Broken core w/ minor rust on fract. surfaces.																													100.7							
											29																										
						.25	Q	5	50																					29.26							
	@ 29.3: 3 cm felsite dyke @ 60° ca 60																						1-														
	Cut by Qtz vn. @ 29.35.																						2														
						.9	Q	3	40		30																				30.0						
	TR Cpy & MoSz noted in some Qtz veins. Minor to also in reins & disem.																														482178	2.0	10		<0.2	118	62
											31																			100							
	x2					.25	Q	4	50																												
											32																				32.0						
	@ 32.0: Few cm wide (?) broken, rusty Qtz veins.					.03	Q	?	?																					32.31							
						.3	Q	4	40																						482179	1.0	5		<0.2	93	74
											33																				33.0						
						.7	Q	7	30																												
																															482180	2.0	10		<0.2	95	60
						.9	Q	BC	50		34																			98.4							
						.4	Q	2	40																												
						.8	Q	4	45																												
										V	35			V	V				V				V	V	V	V	V		V		35.0						

BEMA GOLD CORPORATION

N.T.S. MAP GRID : 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION : | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED : | NORTHING : | CORE SIZE :
DATE COMPLETED : | EASTING : | SCALE OF LOG :

HOLE No. : Bx 90-142
SHEET No 6 of 42
LOGGED BY : J.K. Lowen
DATE : Feb 1 90.

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Angles: Bedding	Angles: Cleav./Foliat.	Angles: Faults	Veins: Metres	Veins: Type	Veins: Thickness mm	Veins: Angle	Veins: Intensity	Meters	Meters	B.V.G.	Size V.G. mm	% Hornblende	% Biotite	% Musc./Sericite	% Chlorite	% Epidote	% Sericite	% Garnet	% Dolomite	% Carbonate	% Intensity	% Chalcopyrite	% Arsenopy	% Pyrrhotite	% Pyrite	Sphalerite	Type Occurrence	Meters Blocks EST. Core Rec	ASSAY FROM SAMPLE No TO	Sample Length	Au 1	Au 2	Ag	Cu	Zn
	QUARTZ DIORITE - CONT'D					.4	Q	3	5	2	35				25	15		10		5				2			/	2		D.	35.36							
										3										10								3		V								
	- as has previously described.																																					
											36																											
	@ 36.1: 1 cm rusty, crushed QD @ 40° CA. Minor slip				40	.35	Q	5	35																													
											37																											
	(RA)					.00	Q	3	40																						37.5							
	@ 37.7: 2 cm rusty, crushed QD @ 30° CA, Minor shear.				30																																	
											38																											
	@ 37.8-38.0: Broken felsite cake - dyke.														V	V				V											38.40							
															40	5				5																		
	@ 38.2-38.4: Broken cake + gouge rusty. CA ~ 35°. FAULT				35						39																											
	39.2-40.4: Rusty, broken cake + gouge w/ low CA'S 10-15. FAULT ZONE.				10 15																																	
											40				V	V																						
	38.4-40.0: Esc amphibole (xls) as individ. (xls) and (xll) aggregates. Hbld rich phase of QD.														25	15															93.8							
					5						41																											
	40.6-40.8: Mafic dyke - 20-30% f. fspar phenos. Upper cont. @ 40° CA.	40																													41.45							
	@ 41.0: ~ 1 cm sh'd QD sub-// CA. Minor clay after fspar.									V	41				V	V		V		V				V			V	V		V								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: Bx 90-142
SHEET No. 7 of 42
LOGGED BY: B.K. Bowen
DATE: Feb 15/90.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Angles: Bedding	Angles: Cleav./Foliat.	Angles: Faults	Veins: Metres	Veins: Type	Veins: Thickness mm	Veins: Angle	Intensity	Meters	% Hornblende	% Biotite	% Musc./Seric.	% Chlorite	% Epidote	% Sericite	% Garnet	% Dolomite	% Carbonate	Intensity	% Chalcopyrite	% Arsenopy	% Pyrrhotite	% Pyrite	Sphalerite	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1	Au 2	Ag	Cu	Zn
	QUARTZ DIORITE – cont'd.										42	25	15		10		5-				1-				2+		D.									
																	10				2						V									
											43																									
	Tr. MoS2 in Qtz vn. @ 43.3					.3	Q	6	0	V																										
						.6	Q	5	40																			45.4								
		60								V	44	V	V		V		V				V				V											
43.95 – 61.7	QUARTZITE									1-					5-		5-				1			1/2	<1		D.									
						.2	Q	8	60	V					10												V	44.50								
	Thinly bd'd, white & off. to lt. grey interbands generally a few mm to 1-2 cm wide. Reg.																																			
		50									45																									
	bding @ 45° – 50° CA, locally wavy banded or crenulated.																																			
				50																																
	@ 45.5: ~ .1m gouge @ 35° CA.																																			
	FAULT. Sft. Sep. alt'n w/ minor Qtz Carb.										46																									
	@ 43.5: 1-2 cm sulphide-rich bd. @ 35°, sub-// to bding. Mainly Py-Po-(Cpy)										47																	100								
	Occ. narrow (1-2 mm) Qtz v.lts w/ minor Py-Po. In general, veining in Qtzite is weak.	45																										47.55								
											48																									
	Some of darker Qtzite bands appear chloritic!																											58.7								
										V	49				V		V				V			V	V		V									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH:
LOCATION: | ELEVATION: | PROPERTY: HARRISON LAKE
DATE COLLARED: | NORTHING: | CORE SIZE:
DATE COMPLETED: | EASTING: | SCALE OF LOG:

HOLE No.: Sx 90-12
SHEET No. 2 of 42
LOGGED BY: B. K. Bowen
DATE: Feb 15 1990.

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	a.v.g.	Size V.G. mm	% Hornblende	Biotite	Muss./Seric.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1	Au 2	Ag	Cu	Zn
	RHYOLITE - GNT									1-	49						5-		5-				1			2½	2½		D.								
																	10												V								
	~ as described above.																																					
																														98.7								
											50																											
	Very little veining. Occ 1-2 mm Qtz - Py vlts.																													50.60								
											51																											
											52																											
		60																																				
																														98.4								
											53																											
																														53.64								
											54																											
											55																			100								
	@ 55.6 - 4 cm OD sill @ 40° a.	40	40																																			
										4	56																											

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX 90-102
SHEET No 9 of 42
LOGGED BY: B.H. Sawyer
DATE: Feb 15 1990.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Angles: Bedding	Angles: Cleav/Foliat	Angles: Faults	Veins: Metres	Veins: Type	Veins: Thickness mm	Veins: Angle	Veins: Intensity	Meters	a.v.e.	Size v.e. mm.	% Hornblende	% Biotite	% Muse./Seric.	% Chlorite	% Epidote	% Sericite	% Garnet	% Dolomite	% Carbonate	% Intensity	% Chalcopyrite	% Arsenopy	% Pyrrhotite	% Pyrite	Sphalerite	Type Occurrence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1	Au 2	Ag	Cu	Zn
	QUARTZITE – CONT. 3.										56						5-		5-				1			1/2	<1		D.	100.0							
	~ as described above.																10												V								
																														52.69							
											57																										
																	↓		↓				↓			↓	↓		↓									
	57.7 – 58.2 : Fine – med. grained	35																																			
	hetin ser'd (HD?) dike. Where										58						<5		45				3-4				TR		V								
	fresh mafics = 5%. Upper &	45															↓		↓				↓				↓		↓								
	lower contacts @ 35° & 45°.																5-		5-				1	TR		TR	<1		D.								
	Minor PL-Py on H/L FR.																10												V	98.4							
											59																										
																														59.28							
	59.8 – 60.0 : CAVE.		50																																		
											60																										
	H/L carb. & BK VFS locally.																																				
	Ladies w/ Py – (Po) – Tr. Cpy.																													9.8	(CAVE)						
																														60.96							
											61						↓		↓				↓	↓		↓	↓		↓									
	61.1 – 61.4 : Dyke (Sill) sim. in	50																																			
	Comp. to 57.7 – 58.2.																10		20			1	3				TR		V								
																	↓		↓			↓	↓				↓		↓									
61.7 –	QUARTZ DIORITE (DYKE)										62			25	10		5-		15-				3			<1/2	<1			63.4							
63.5																	10		20										V								
	Locally pert. ser'd. Minor																																				
	diss'd Po – (Py).																													62.79							
											63																										

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG:

HOLE No.: BX 90-162
SHEET No 10 of 42
LOGGED BY: B.K. Bowen
DATE: Feb. 15/90.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% V.G.	Size V.G. mm.	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1	Au 2	Ag	Cu	Zn
	QUARTZ DIORITE (DYKE) – CONT'D.									1	63			25	10		5-		15-				1			<1/2	<1		D.									
																	10		20										V									
																														90.1								
63.5 – 65.5	QUARTZITE.																5-		5-				1			1/2	<1		D.									
	@ 64.0: 2x few cm wide		50								64						10												V	64.00								
	2) Dyklets. Lower dyke @	40																																				
	40° CA.																																					
	64.9–65.0: 0.1 m band w/ ~40%																																					
	csc amphibole development.										65																			81.7								
	Poss. silicate layer.																																					
																														65.53								
65.5 – 66.3	QUARTZ DIORITE (DYKE)													25	10		5-		20-				A			<1/2	<1		D.									
	Sim. to above. Finer grained.										66						10		25										V									
	Mod. sert'd. Minor diss'd Py, (Po)																																					
		N/R																																				
66.3 – 67.4	MAFIC DYKE									0							2-						2-															
	Med gn. hom. chl'd w/ 20%																30						3		POST													
	1-2 mm mafic (augite?) and 20%										67														MINERAL					84.9								
	≤ 1mm euhedral tiny phenos.																																					
	No sulphides; no mineral.	45°																																				
67.4 – 68.0	QUARTZ DIORITE (DYKE)									1				25	10		5-		20-				3			<1	<1/2		D.									
																	10		25										FE									
	Similar to 65.5 – 66.3.										68																			67.87								
68.0 – 73.0	QUARTZITE																5-		5-				1			<1	<1/2		D.									
																	10												V.									
	As before.		65																										FE.									
	@ 68.0: 4cm band bull Qtz @										69																			100								
	40° CA w/ minor Po – Py – Tr Cpy.																																					
	Also chl. and minor Gt?					.35	3	3	35																					69.49								
			50								70																											

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH:
LOCATION: | ELEVATION: | PROPERTY: HARRISON LAKE
DATE COLLARED: | NORTHING: | CORE SIZE:
DATE COMPLETED: | EASTING: | SCALE OF LOG:

HOLE No.: Sx 90-152
SHEET No. 11 of 42
LOGGED BY: B. K. Eaton
DATE: Feb 16/90.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote/Diop.	Sericite	Garnet	Dolomite	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2 gt	Ag ppm	Cu ppm	Zn ppm	Mo ppm
	QUARTZITE – CONT'D.									/	70				5-		5-			/			<1	<½	D.			3±2						
															10										V									
	As before.																								F		100								
											71																71.01	71.0							
	@ 71.0: 2 cm dol, amphibole rich,		40																																
	skarny (?) as bet 64.9-65.0																																		
																												482181	2.0	10		<0.2	180	280	
											72																								
	@ 72.2: 3 cm mafic dyke @ 45° CA																																		
	as bet 66.3-67.0.																										98.8								
	@ 72.9: ~.1 m sat'd, f.grt																											73.0							
	dyke sim. to 65.5-66.3, 55 CA	55									73				V		V			V			V	V	V										
73.0- 75.6	LIMESTONE, Also Tr MoS2															15			15	5	1-		10		10-					9t		ppm 0.1t	ppm 8	%	
																					2				15		73.46	482182	0.9	0.38		4.0	1525	>30000	10
	73.0-73.9: Band of semi-massive																															2.5			
	to diss. sulphide min. ass'd w/																											73.9					0.14	3.83	
	Sphz – green calc-silicate min. all w.		OC								74					V			V	V			V		V	V									
	Sphal 10-15%, Po ~10%, Cpy 1-2%.															<5			<5	1	<½		<1			D						3.0			
	Cut by 3 cm mafic dyke @ 40° @																										108.0	482183	1.0	0.96		4.0	1010	2980	3
	73.1.																											74.9					0.10	0.26	
*	73.9-74.9: Bd'd grey (xl) line		50								75					V			V				V			V	74.98								
	Ls w/ minor albite. Includes												MASSIVE SULPHIDES						15	9	3-		70		10	D		482184	0.7	8.64		31.5	3720	14000	<1
	skarny bands sim. to 73.0-73.9																				4					TS						29.5			
	w/ minor Po-Cpy – Tr MoS2.																		V	V			V		V	M		75.6							
75.6-																															5.00	32.0			
	* 74.9-75.6: MASSIVE SULPHIDES										76																						0.33	1.43	
79.7	Po ~70%, Sphal ~10%, Cpy																										76.6								
	3-4%, Apy 15%, – as replace-																											482185	1.4	0.27		1.0	273	660	49
	ment of limestone.																															1.3			
																												77.0					0.03	0.05	
	QUARTZITE – see descrip. next page.									V	77																								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX 90-142
SHEET No. 12 of 42
LOGGED BY: B.K. Bower
DATE: Feb 16/90.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	a.v.g.	Size v.g. mm	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks / EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm %	Zn ppm %	
	QUARTZITE – Cont'd									1	77						5-		5-				1			<1	<1/2		D	77.11	77.0	↑						
										2							1/2												V									
	Sim. to previous Qtzite intervals except core s/n softer (argillaceous)									1																			FF		482186 77.9	0.9	0.03		<0.5 0.5	351 0.4	1910 .16	12
	and some limy sections.										78																											
																								<1		1-2		5-10	D	47.21	482187 78.3	0.4	0.03		<0.5 0.8	612 0.06	16000 1.43	6
	77.9 – 78.3: Limy section w/ 5-10% Sphal (w/ minor Py – Cpy as blebs and diss. w/ bedding @ 50° CA.																												D									
																													V		482188 79.0	0.7	0.03		<0.5 <0.5	164 0.02	484 0.04	4
											79																		FF									
	78.85 – 79: Intrg bull Qtz vning w/ minor Py – Py.				AS																									79.25			PPb		PPm	PPm	PPm	
	79.25 & 79.55: Rusty gouge + broken core – FAULTS									V							V		V				V			V	V		V				10		<0.2	146	176	
79.7 –	ANDESITE – (FLOW?)									3-	80						15-						2-			<1/2	1-		V		482189	2.0						
82.6.										4							20						3				2		FF	83.70								
	Dk. grn in colour, vague flo locally, also locally tuffs or lapilli text. observed.																																					
											81																			81.08	81.0							
	.2 to .3 m shearing & minor rusty gouge @ 80.6 & 82.1. Minor fracs. Strongly broken core in general in this unit.					NWV. VEINS N/R																									482190	2.0	<5		<0.2	195	260	
											82																											
	Also mod. Qtz – Py – Chl. vns & vlts. locally																																					
										V							V						V			V	V		V									
82.6 – 103.3	TUFF, TUFFACEOUS ARGILLITE.									D							5-	<5		<5			2-			1-	<1/2		D	98.7	83.0	↓						
										A	83						10						3			2			V									
	– See descrip next page.					.05	Q	50	25																			TR	FF									
	@ 83.05: 50 mm vein w/ Minor (x2) Py – Po – Cpy – TR. sphal w/ also Ep(?) + Gt.					.3	Q	10	40																						482191 84.0	1.0	<5		<0.2	64	108	
*										V	84						V	V		V			V			V	V		V									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: 5x 90-102
SHEET No 13 of 42
LOGGED BY: B. N. Bowen
DATE: Feb 16/90.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	B.V.G.	Size V.G. mm	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY: FROM SAMPLE No TO	Sample Length	Au 1 PPB	Au 2	Ag PPM	Cu PPM	Zn PPM
	TUFF, TUFFACEOUS ARGILLITE									2	85						5	LS		LS			2	Tr		1	1½		D	84.12		84.0						
										4							10						3			2			V									
	Lt – med. grey, brnish grey to dk. greenish green weakly to well bdd tuffaceous argillite and tuff																												EE			92.92	2.0	20		<0.2	63	146
											85																											
	Up to ~ 90cm, mainly tuffaceous argillite, locally well banded w/ .1 to .2 m wide lahilli sands @ 84.0 and 86.8 m. Also minor chlorite and calc-silicate layers.					MIR																																
											86																			100	86.0						
						MINS																																
	Trace chl. alt. locally.																																					
						MAIN					87																			87.17								
	Po disst, EE & in chl. vns. Cpy rated disst in chlorite layers.					SHEAR																																
											88																											
						.7	8	60	45																													
											89																											
						.00	8	6	40																					89.67								
											90																											
																	15													90.22								
										V	91												V	V		V	V		V									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION :
DATE COLLARED: | NORTHING :
DATE COMPLETED: | EASTING :

PROPERTY : HARRISON LAKE
CORE SIZE :
SCALE OF LOG :

HOLE No. : 5x 90-122
SHEET No 1 of 42
LOGGED BY : B. K. Lawer
DATE : Aug 16/90.

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Cleav/Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 PPB	Au 2	Ag PPm	Cu PPm	Zn PPm
	TUFF TUFFACEOUS ARG - CONT'D									2-4	91				15						2-3	TR		1-2	<1/2		D V FE									
	@ 92.0: ~1m wide Qtz-Epidote w/ minor Py. (X3)					.2	8	10	50		92																	100	92.0							
																													482193	1.4	<5		<0.2	99	80	
											93																									
	93.4-101.8: Start of zone of weak fx'd w/ matrix infilling of mainly Qtz. + some Ti and mod. set grainy material - looks vaguely intrusive.					.3	8	12	40	4-5					10					1-15	3-4						D V	93.27		93.4						
						.1	8	2	40		94																		482194	1.6	15		<0.2	118	84	
	@94.1: Tr. MoSx w/ 2mm Qtz vn.																																			
	@94.8: 5cm lapilli tuff lower @ 45° CA.										95																		95.0							
	* Zone of wk fx'd contains ~10-15% buff Qtz as ints vns and matrix infilling.																											100	482195	2.0	10		<0.2	92	110	
											96																									
																												96.37								
											97																		97.0							
																												100	482196	2.0	5		<0.2	83	88	
											98																									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: Sx 90-142
SHEET No 15 of 42
LOGGED BY: B.K. Bowen
DATE: Feb. 16/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Meters	Type	Thickness mm	Angle	Intensity	Meters	A.V.G.	Size V.G. mm.	% Hornblende	Biotite	Muss./Serit.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 PPB	Au 2 PPB	Ag PPM	Cu PPM	Zn PPM
	TUFF, TUFFACEOUS ASS – CONT'D									4	98						10				10		3	TR		1			D									
										5											15		4			2			V									
											99																					99.0						
																														99.36								
																																132197	1.4	10	13	<0.2 .2	93	132
											100																					100.4						
																																482198	1.4	5		<0.2	157	550
											101																			98.37								
																																101.8						
										1	102										<5		2															
										2																				102.41								
																																482199	1.2	5		<0.2	86	144
											103																					103.0						
103.3 – 104.9	RHYOLITE – (FLOW)	70																	5		<5		1			1			D			482200	1.3	<5		<0.2	62	162
																										2			FF	100								
	good upper and lower contacts @ 70° and 60° CA. Rhyolite is light										104																					104.3						
	green in colour, potsh. in feldspar & Qtz and carries 1-2% Py																															482201	1.3	5		<0.2	78	108
	as diss. & tr. Minor Sph FF.	60									105																											

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ.
LOCATION:
DATE COLLARED:
DATE COMPLETED:

LENGTH:
ELEVATION:
NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: Bx 90-122
SHEET No. 1 of 42
LOGGED BY: B.K. Bowen
DATE: Feb 19/90.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Angles: Bedding	Angles: Cleav./Foliat.	Angles: Faults	Veins: Metres	Veins: Type	Veins: Thickness mm	Veins: Angle	Intensity	Meters	Size V.G. mm	% Hornblende	% Biotite	% Musc./Seric.	% Chlorite	% Epidote	% Sericite	% Garnet	% Dol. Calcite	% Carbonate	Intensity	% Chalcopyrite	% Arsenopy	% Pyrrhotite	% Pyrite	Sphalerite	Type Occurrence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 PPB	Au 2	Ag PPm	Cu PPm	Zn PPm
104.9–	ARGILLITE (TUFF. ARG)									3–	105					1/0				5–		2–	TR		1-2			D.								
										4										1/0		3						V	105.46							
	Rock → mote atg., less intf.																											+		105.6						
	w/ shr. and grey colours lied.																						<1		5		1-2	V								
	– less ↑ or ash? strong volcanic										106																									
	Contacts: Mt. tended to locally					00	8	7	15														TR		1-			D.								
	weak.					5	8	10	25																2			V		48 2202	1.4	5		<0.2	93	1400
						6	8	12	50																											
	* 105.5–105.9: Zone of 5% veins																													107.0						
	irregular w/ 5% Po 1-2% Sphal,										107																		100							
	minor Cpy, Wk. bx'd.																																			
	105.6–108.5: 5-10% Sphe mainly																																			
	irreg. ass'd w/ wk. bx'd textures																												107.89	48 2203	1.5	35		<0.2	77	230
	Includes zone of ~80% quartz										108																									
	w/ bx flags from 108.2–108.5.																																			
										V					1					V		V								108.5						
										1					<5					<5		1														
			50								109																									
																														48 2204	1.5	<5		<0.2	85	192
																													96.41							
											110																			110.0						
	@ 110.1: 2-3 cm bd. Qtz @ 50°CA																																			
	w/ Po ~8% & minor Cpy.																																			
																														48 2205	1.5	<5		<0.2	84	160
											111																		110.95							
																													159.8							
	111.9: 7cm bd of ls., appears																												111.56	111.5						
	weakly bx'd, 5% green min.,																																			
	poss. diopside, also 1-2% diss.		70																							<1										
	Py – Po.									V	112					V				V		V	V		V			V								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ.
LOCATION:
DATE COLLARED:
DATE COMPLETED:

LENGTH:
ELEVATION:
NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: BX-90-142
SHEET No. 17 of 42
LOGGED BY: B.K. Bauer
DATE: Feb 19/90.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Pyr. / Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks / EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 PPB	Au 2	Ag ppm	Cu ppm	Zn ppm
	ARGILLITE - CONT'D									1	112				<5				<5		1	TR		1-2			D ✓								
											113																		483206 113.0	1.5	5		0.2	90	178
	@113.5: 1 cm. fine grn pyrite (?) – Adj. bd. w/ 1-2% disst. Po.	60																				<1		20		10	D	65.57	483207 114.0	1.0	15		0.2	156	2150
	@113.5: 4 cm bd. w/ ~20% Po in 1" sphal, minor Cpy & 2% aspy.	60									114											TR		1-2			D ✓								
	60: CA. Prob. tex. bce. of Po																																		
	@114.7: 4.5 cm bd. massive (?) Po bd. @ 55° CA. ~50% Po, 1-2% Cpy.	55																				1-2		50			D+M	114.60	483208 115.0	1.0	5		<0.2	293	152
											115											TR		<1	<1		D ✓								
											116																	100.							
											117																	117.65							
											118																	100.							
											119																								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX 90-142
SHEET No 17 of 42
LOGGED BY:
DATE:

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% V.G.	Size V.G. mm.	% Hornblende	Biotite	Muss./Sericite	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu PPM	Zn PPM
											112																											
											113																											
																														65.57								
											114																											
																														114.60								
											115																											
																																482209	1	<5		<0.2	88	190
	Start Logging at 116.										116																											
	Grey black f-g sediment. massive – moderately siliceous. Cut by hairline Q veinlets @ 45°. w/ minor Traces of po. Fr w/ limonite @ 50°.						.25	C	10/20	60							<1						1			TR	<1	TR	V	101.6		482210	1	60		<0.2	88	190
	Chl as wk ft coatings @ 116.25 carbonate w/ TR Sphal & <1% py.										117																			117.65		482211	1	<5		<0.2	90	184
											118																			100								
118.6 to 119.25	ANDESITE DYKE Fine grained, dk – med green w/	15									119												6															

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ.
LOCATION:
DATE COLLARED:
DATE COMPLETED:

LENGTH:
ELEVATION:
NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: BX-90-142
SHEET No. 1 of 42
LOGGED BY:
DATE:

METERS FROM-TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Clasx/Foliat	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	A.V.G.	Size V.G. mm.	% Hornblende	Biotite	Muss./Sericite	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 PPB	Au 2	Ag PPM	Cu PPM	Zn PPM
	ANDESITE DYKE CONT'D										119			5 10									0														
119.25 to 126.96	mod-chl. altern, fine anhedral fsp <1mm; fine hbl. laths (5-10%)	15																				<1	1														
	SEDIMENT.										120																TR			108.6							
	Fine grained massive to finely bedded @ 50° to C.A. odd qtz-, fr w/ fine py.																													120.70							
	@ 121.0 qtz pg-po					.0	Q	4	40	1	121															Tr	1%										
	@ 121.5 QZ-PY vein					.5	Q	15	70	1																			✓	98.6							
																													Fr fill								
	122.2 anhydrite as fr fills. w/ fine py.-po.										122																			122.83							
	well bedded @ 50° to C.A. @ 123.4 Breccia vein w/ py; anhydrite?					.4	Q	7	25		123																										
	weak chl as Fr fills.										124						<1																				
	124.3 Carbonate w/ py.					.3	C	30	70	2													t				<1		V	100	482212	1	<5		<0.2	110	210
	124.5 Carbonate w/ vuggy py Tr po ' MoS2					.5	C	5	70	2													2			TR	<1		V								
						.06	C	7	70	4	125													Tr	.1		2		V								
						.5	C	3	55																	<1											
						.3	Q	10	45																	<1	<1		V		482213	1	20		<0.2	120	300
											126											✓								125.80							

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG:

HOLE No.: RX-90-142
SHEET No 19 of 42
LOGGED BY: G. Norman
DATE: Feb 16/90.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks / EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 PPB	Au 2 PPB	Ag PPM	Cu PPM	Zn PPM
	SEDIMENTS CONT'D. as before. @ 126.10 14cm. Felsic dyke w/ 5% dissem; fr till py.										126				1	1				<1	1		5					482214	1	165		0.7	154	3400
						.04	O	10	45	1	127												2-3							162	1.0			
126.96 to 134.25	QUARTZ DIORITE Relatively fresh med. grained. biotite quartz diorite. ~ 35% fresh brn-blk bio. in qtz-fsp matrix. w/ 1-2% dissem; fr till py and <1% dissem po. – weakly veined w/ 5-15mm qtz-py-po±, cpy±. Some veins w/ grey halo-MoS2?. – upper/lower contacts at 60°, 35° resp. to C.A.	60													1 to 2					<1			<1	1 to 2		D V ? Fr Fl	91.0	482215	2	<5		<0.2	100	94
						.2	Q	7	50	1	128												1-2			✓								
						.5	Q	1	40	1																✓								
											129																129.23							
																												482216	2	<5		<0.2	50	90
											130																							
																											100							
						0.0	py	4	45	1	131															✓								
																												482217	2	5		<0.2	46	114
											132																							
						.28	Q	4	25												Tr		3	1		✓	132.28							
	@ 132.6 quartz vein w/ grey halo MoS2?					.6	Q																<1				100							
																											132.89							
											133																							

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX-90-142
SHEET No. 20 of 42
LOGGED BY: G. Norman
DATE: Feb 16/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Clevg./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	QUARTZ ~~Calcite~~	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks EST. Core Rec.	ASSAY: FROM SAMPLE No. TO	Sample Length	Au 1 PPB	Au 2	Ag PPM	Cu PPM	Zn PPM
	QUARTZ DIORITE. CONT'D.										133		30						1		1														
																			to																
	as before.																		2										482218	1.25	<5		<0.2	49	91
	@ 134.6 h/L fr fill ~1mm.										134																								
																			↓		↓								134.25	↓					
134.25 to. 141.1	SEDIMENTS. – TUFFACEOUS?																		<1		1			Tr	<1		7	100							
	Light – med grey mod. siliceous.																																		
	massive to well bedded sediment.										135																								
	poss. tuffaceous w/ up to 4 cm. H grey green																				5														
	amyg. dacitic flow units.																																		
	@ 134.85. dacite flow unit. 4cm.																				1														
	@ 45°.					.1	Q	5	70	1	136																5	135.94							
	@ 135.15 – 135.35. Brecciated																																		
	section w/ infilling of anhydrite.																																		
	@ 135.65. – 135.8 – 2-2cm dacitic										137																								
	flow bands.																																		
	@ 136.8 becomes banded w/ 80°.																																		
	appears to be tuffaceous, pyontr.																											100	482219	1	10		<0.2	74	240
	137.2 – 141.1 Lt grey – grey blk.										138					1	<1		5		4			2	1	1%	5								
	argillaceous sediment. Sections																							-3			1								
	137.8 – 138.8 w/ strong qtz stringers veining					.58	Q	13	60																		7								
	injection w/ ep – garnet – po – py.					.6	Q	10	70 80																				482220	1	5		<0.2	115	114
	Py as fr fill w/ qtz – po. Po as																																		
	dissem w/ qtz – py.										139								2		2			<1			7	138.99							
	Section 139.0 – 140.0 w/ strong				.2	.3				7									1	5															
	carbonate bands ~ 1-2 cm at 70-80°				.38	.43																													
	to C.A. w/ ~30% qtz.				52	.62	C Q	10 20	70 80																			100	482221	1	<5		<0.2	81	120
	138.8 – 141.1 H grey sed w/ the po fr fill.					.68																													
	Patch of dissem Sphal @ 137.8.					.78	G	10	90		140						5																		

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX-90-142
SHEET No. 2 of 42
LOGGED BY: G. Norman
DATE: March 15/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% V.G.	Size V.G. mm.	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1	Au 2	Ag	Cu	Zn
	SEDIMENTS CONT'D										140										2		2			4			7								
	as per 137.2 - 141.1																																				
											141																			100							
141.1 to 144.8	QUARTZ DIORITE.	50													25				5 to 10				0			1			1								
	Medium grained relatively fresh biotite rich (35%).																																				
	Sericite altered bio. near contacts.										142																			142.04							
	upper contact to 141.85; lower contact for ~ 10cm.																																				
	Sediment frag. upto 18cm at 141.9 and 143.25.																																				
	Upper contact somewhat irreg @ 50° to C.A. Lower contact @ 80° mod.										143				35																						
	sharp. Weakly diseem po ~.5%																													100							
											144																										
																			10																		
	TUFFACEOUS SEDIMENTS.										145												0			TR	TR		7	145.08							
144.8 to 147.6	Lt grey f-g - aphan siliceous tuff. - fine wht frag or v lts. throughout section <1mm.																																				
	Section 145.9 - 146.1 cut by f-g porphy dike sub ll to C.A.										146																										
	and at 147 [illegible] (upper contact @ 60° then sub ll to C.A.																													100							
	some h/l quartz-carb vnlts add py-po to fill.																																				
	Bedded @ 75° to C.A @ 146.6										147																										

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: Bx-90-142
SHEET No. 22of 42
LOGGED BY: G. Norman
DATE: March 15, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Metres	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1	Au 2	Ag ppm	Cu ppm	Zn ppm
	TUFFACEOUS SEDIMENTS CONT'D										147																								
																												100							
147.6 to	FELDSPAR BIOTITE PORPHYRY	60										10	25				5								3										
	Medium grained granitic rock										148																	48.15							
148.97	w/ 25% <1mm – 3mm blotchy white wkly kaol fsp, 25% blk biot <1mm 10% hb w/5% porphyritic to 3mm. alignment @ 75°, 3% disseminated py. wk sericitic contact to 148.55.	70									149																								
148.97 to	SEDIMENTS / TUFFS. Lt grey – dk grey f-g to aphanitic rock.																		15						TR		9		482222	1	<5		<0.2	41	50
153.42																											5	100							
	@ 149.5 – 5cm Feldspar Biotite Porphyry dykelet. @ 85°.										150																								
	@ 149.5 – 150.1 str qtz veining to OSF w/ F.B.P. dykelets, and																												482223	1	<5		<0.2	57	72
	150.08 – 151.3 Strong qtz inject. w/ P.B.P. dykelet injection.										151								50					TR			9	150.88							
																			15										482224	1	<5		<0.2	116	250
	@ 151.8 3.5cm dykelet of P.B.P. at 45° w/ frag to 1cm of sediment?										152																								
	@ 152.4 – 153.0 str qtz – carb – ep – garnet OSF. w/ <1% py.															1		2	50						<1		9	60.6	482225	1	<5		<0.2	88	200
																1.2																			
											153																								
																												153.62	482226	1	<5		<0.2	132	380
153.42 to 156.0	BRECCIA Unaltered breccia w/ frag of sediment & porphyritic dyke rock – QD										154										1							100							

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BY-90-142
SHEET No 23 of 42
LOGGED BY: B. Norman
DATE: March 15, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	V.G.	Size V.G. mm	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Slate/Epidote	Sericite	Garnet	Quartz/Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks / EST. Core Rec.	ASSAY: FROM SAMPLE No TO	Sample Length	Au 1 ppb	Au 2 ppb	Ag ppm ppm2	Cu ppm	Zn ppm
	BRECCIA CONT'D										154																										
	fragments of sediment w/ qtz stockwork. porphyritic dyke relative fresh, large Q.P. frag – mod. clay alter'd obscures textures @ 154.2–155.0.										155							20												100	482227	1	25		<0.2	140	125
																		40																			
																		30																			
																														155.75	482228	1	<5		<0.2	105	245
											156																										
156.0 to 160.0	SEDIMENTS / TUFF.																				20		7			<1	TR.	TR	5								
	156.0–158.8 Lt grey sediment/tuff w/ strong qtz stockwork (20% qtz). wk. po <1 and Traces of. sphal. odd qtz. vein – OSF w/garnet 'carbonate.																												7	100	482229	1	10		<0.2	84	146
											157																			157.20							
																															482230	1	5	10	<0.2 :1	100	190
	158.8 – 160.00 Mod. – qtz Stockwork to 159.5.										158									TR.		<1															
																												<1		100	482231	1	<5		<0.2	93	135
											159																										
																					15										482232	1	20		<0.2	128	150
																					5.																
											160																			160.32							
160.0 to 163.8	QUARTZITE Mod – well laminated. V. siliceous rock w/ some possible tuff interbeds lamination @ ~80° to C.A. Irregular sporatic quartz stockwork – traces po.					00	Q	B	60	1	161																			100	482233	1	25		<0.2	138	145

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH:
LOCATION: | ELEVATION: | PROPERTY: HARRISON LAKE | HOLE No.: BX-90-142
DATE COLLARED: | NORTHING: | CORE SIZE: | SHEET No. 2 of 42
DATE COMPLETED: | EASTING: | SCALE OF LOG: | LOGGED BY: G. Norman
DATE: March 16/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Quartz Carbonate	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 PPB	Au 2	Ag PPm	Cu PPm	Zn PPm
	QUARTZITE CONT'D										161				4		1		5		2			<1	4		5								
																											7								
	as per 160.0 – 164.8					.58	Ep	7	70	1																			482234	1	15		<0.2	109	210
	odd fr/fill w/ chl py.					.7	Q	10	40	1																									
	@ 161.7 irreg. qtz vein ~1cm					.83	Q	7	50	2	162																								
	w/ 2% po, 1% py					.1	Q	4	40	2																TR		100							
	@ 162.1 Tr sphal w/ qtz, po-py traces 4mm @ 40°																												482235	1	15		<0.2	110	160
	@ 162.8 8mm qtz w/ traces po-cpy					.8	Q	8	70	1	163											TR													
																			<2									163.37	482236	1	20		<0.2	92	220
163.8 to	DACITE FLOW.										164				10						0				1		9								
164.2	Lt green med chl f-g. volc flow w/ wk pillow textures possibly some amyg. & masses w/ qtz-py.																		35	<1	4			<1	TR		9		482237	1	10		<0.2	165	165
											165															TR	1								
164.2 – 175.0	SEDIMENT / TUFF. Lt grey well laminated siltstone or tuff. – grainy, laminations @ 45° to C.A. 1mm or less.	-S	S.																			Trace Locally						100	482238	1	<5		<0.2	107	320
											166																								
	164.2 – 169.85. Section w/. V. strong qtz. infilling – O.S.F. possible some veining but appears to be irreg qtz lenses mainly // to foliation. – The quartz for																											166.42	482239	1	<5		<0.2	72	190
											167																								
	the most part contains only Traces PO-PY, CPY odd section w/ Traces sphal & PO up to 5% locally. Total OSF. qtz is 35%																											97.8	482240	1	5		<0.2	120	165
											168																								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX-90-142
SHEET No. 2 of 42
LOGGED BY:
DATE:

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	B.V.G.	Size V.G. mm.	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Clay	Sericite	Garnet	QUARTZ Dolomite	Carbonate	Intensity	% Chalcopyrite	Mos.	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 PPB	Au 2 PPB	Ag PPM PPM 2	Cu PPM	Zn PPM
	SEDIMENT / TUFF as per 164.2 – 169.85										168										35	<1	4	Trace Local		<1	TR	TR									
											169																			97.8	482241	1	<5		<0.2	93	177
																														169.16							
																															482242	1	<5		<0.2	117	116
											170																										
	169.85 – 175.0 sediment-tuff. as per 164.2 – 169.85					18	Q	13	60	1													1			1%			5								
	@ 170.18 13 cm qtz vein @ 60° w/ ~1% dissem. Fr po.					.12	Q	30	irr 32		171										100					3			5	100	482243	1	10		<0.2	72	143
						.2	Q	40	40	2											100					3			5								
	@ 171.12 ! 171.2 qtz band replacements or veins @ 171.2 @ ~40° containing ~3% Po.																								TR				1		482244	1	10		0.2	86	185
	@ 171.43. 6 cm. tan section. st crackled w/ qtz infillings; perv. Carbonate. Trace MoS2.										172							30					0			2			17	172.21							
																					<1		0														
	@ 171.74 – 172.02 Quartz Drorite dyke mod-str clay altered w/ 2% dissem; Fr Po.										173																										
																														100							
	@ 174.4 – 174.8 Large qtz 0.5F/vein upper end 15° lower at 60, w/ ~1% po – tr cpy.										174																										
																															* 482245	1	<5	17	<0.2 .1	82	210
						.4	Q	400	15 60	1											99		5	TR			1		5								
												QUART VEIN @ 0SF																	7								
											175																										

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG:

HOLE No.: BX-90-142
SHEET No. 2601
LOGGED BY: B. K. Bowen
DATE: Feb. 19/90.

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Quartz	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks / EST. Core Rec.	ASSAY: FROM SAMPLE No. TO	Sample Length	Au 1 PPB	Au 2	Ag PPM	Cu PPM	Zn PPM
175.0 to 182.0	SILTSTONE / ARGILLITE										175																	175.26							
	Light grey siltstone-argillite w/ weak qtz-po veinlets (1cm) some w/ sharp boundaries many are wormy or irreg bands & and discontinuous along bedding foliation @ 50° to C.A., possibly sweat vns?					.6	Q	10	50	1									98					12			5		482246	2	<5		<0.2	63	170
						.1	Q	7	60		176													<1	TR		5								
						.5	Q	23	40	1															<1		5	100							
	@ 177 lim. fr. sub // to C.A.										177																								
						.28	Q	15	75															TR	TR		5.		482247	2	<5		<0.2	69	190
	@ 177.8 lim fr @ 15° to C.A.										178																								
						.2	Q	10	70															2	TR		5.	178.31							
						.8	Q	3	35		179													TR.											
																													482248	1	<5		<0.2	59	180
											180																	100							
						.06	Q	2	50															TR											
	180.9: 0.1m wide Fspar Tr dyke, med pot V. fgt., minor chl.	60									181																		GEN	180.78 (SAMP	Box	33)			
	altered mafics, 1-2% diss' & aff. Py.																											181.36	BYS						
											182																	100							

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION :
DATE COLLARED: | NORTHING :
DATE COMPLETED: | EASTING :

PROPERTY : HARRISON LAKE
CORE SIZE :
SCALE OF LOG :

HOLE No. : BX-90-142
SHEET No. 27 of
LOGGED BY : B. K. Bowen
DATE : Feb 19/90.

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Qtz, Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1	Au 2	Ag	Cu	Zn
182.0 to	ARGILLITE									1	182						10		<5	70	2			1	1										
										2							15							2											
	Sil. to dk. grey to light																											100							
	gray. Thinly banded generally																																		
	70-90 as fi & very finely		65								183																	183.18							
	diss'd. Perv. set locally 10-15%																																		
	183.5: 0.1m broken core +																																		
	minor rusty gouge - Minor																																		
	fault: C/A = N.R.					.9	BC	15	45		184																	100							
	183.9: 15 mm Qtz-carb - chl.																											183.71							
	vn w/ 1-2% Po.																																		
											185																								
	185.8: Rusty, broken core -																																		
	possible fault.										186																								
	186.2 - 191.5.: Zone of bull qtz									0							6		20	<5	4			1	<1			99.7	482249	1	<5		<0.2	49	200
	veins, irregular to sweat like									5							15		30		5			2											
	~ following banding. Indiv. veins																																		
	up to ~1.1m, usually a few cm		50								187																								
	or less. Minor bx'g ass'd w/																																		
	veining @ 187.2 and 189.7																												482250	1	<5		<0.2	63	205
	1-2% diss'd Po - (Py) in veins.																											187.36							
	No sphal nor Cpy noted																																		
											188																								
	@ 188.7: .2m broken core + minor					15°																						100	482251	1	<5		<0.2	63	140
	rusty gouge. 2 ca's on gouge =					60°																													
	60° & 15°. Minor fault.										189																								

* SUB TEMP. STORED LOGGING THIS FILE @ 190.25 (END OF Box 34)

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX90-172
SHEET No. 2B01 42
LOGGED BY: G. Norman
DATE: March 16/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Clear./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Anhydrite Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 PPB	Au 2	Ag PPM	Cu PPM	Zn PPM
	ARGILLITE / SILTSTONE										189								20	1-2	4			1	4		1								
	as per 186.2 – 191.5.																				to 5			to 2			7 5		482252	1	<5		<0.2	61	380
											190																								
																												100	482253	1	<5		<0.2	52	160
																												190.8							
											191								10		2														
																													482254	1	<5		<0.2	70	180
	191.6 – 191.95 Breccia – fragments of argillite cemented by anhydrite wk. lim. – vuggy w/ anhydrite & Hs.												BRECCIA		15						5														
											192				5 to 10				<5		1 to 2			<1			1								
	191.95 – 192.4 Argillite is cracked & infilled w/ anhydrite.																											89.2	482255	1	5		<0.2	53	140
	192.4 – 201. Black argillite and laminated greyish siltstone – lamin. @ 60% C.A. Minor qtz. banding ∥ to bedding @ 198. & 199.6. w/ trace po. V. fine micro dissem. po <1										193																		482256	2	10		<0.2	61	137
																												193.85							
											194																								
											195																	100							
																					0														
											196																								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ.
LOCATION:
DATE COLLARED:
DATE COMPLETED:

LENGTH:
ELEVATION:
NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: Bx 90-142
SHEET No. 2901 42
LOGGED BY: G. Norman
DATE: March 16/90

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Metres	a.v.g.	Size v.g. mm	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY: FROM SAMPLE No. TO	Sample Length	Au 1 PPb	Au 2	Ag PPm	Cu PPm	Zn PPm
	ARGILLITE / SILTSTONE										196												0			<1			1								
	as per 192.4 - 201.0																													100							
																														196.9							
											197																										
																															197.5						
																							↓						↓			↑	<5		<0.2	64	200
											198										30		3			<1			9/5		482257						
																							0			<1			1			1					
																														93.4	198.5	↓					
											199																				199						
																							↓						↓								
																					20		3			TR			9/5	199.95	482258	1	5		<0.2	65	145
											200																				200	↓					
																							0			<1			1								
											201															↓											
	201.0 - 206.6 Black to light grey well laminated argillite/siltstone @ 70° to C.A. Relatively unaltered odd qtz - unsbl'ts laminations. V. fine dissem po - <½.																									<1											
																														100							
											202																										
																														202.69							
											203												↓														

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ.
LOCATION:
DATE COLLARED:
DATE COMPLETED:

LENGTH:
ELEVATION:
NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: BX-90-142
SHEET No. 30 of 42
LOGGED BY: G. Norman
DATE: March 16/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	B.V.G.	Size V.G. mm.	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY: FROM SAMPLE No. TO	Sample Length	Au 1 PPB	Au 2 PPB	Ag PPM PPM2	Cu PPM	Zn PPM
	ARGILLITE / SILTSTONE										203												0			<1/2			1								
	as per 201.0 – 206.6.																									TR			↓								
						A	Q	10	60	1	204															<1			5								
																													1								
																														100							
											205																		↓								
						.15	Q	12	70	1														TR		1-2			5								
																										<1			1								
																														205.74							
											206																										
	206.6 – 216.6 Zone of strong bull quartz injection. Quartz has been injected, mainly along foliation planes.																						↓			↓			↓		482259	1	15		<0.2	59	132
																			<1		95			TR		<1											
											207										<5		6														
	206.6 – 208.25 Approx. 10% of quartz most at 206.6 – 208. w/ <1% Po trace cpy, ~1% brn sericite is conspicuous																													73.8	* 482260	1	<5		<0.2	66	126
																																		19	0.2		
	@ 207.8 5mm Quartz-Carbu/ 1-2 Arsen.					.8	2	5	50	1	208													1-2		Tr											
	pyrite; Trace Po.																																				
	208.25 – 212.6 With ~ 40% bull qtz injection. With traces po – locally to 1%. Large blebs of sphal (2cm 1cm) at 210.7 as well as large blebs of po to 3cm. Minor brn sericite is conspicuous at edges of quartz																		10										9		482261	1	5		<0.2	54	86
																					40					TR			1	208.79							
											209															Locally 1%											
																														117.1	482262	1	20		<0.2	62	110
											210								↓		↓		↓						↓								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ.
LOCATION:
DATE COLLARED:
DATE COMPLETED:

LENGTH:
ELEVATION:
NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: BX 90-142
SHEET No 31 of 42
LOGGED BY: G. Norman
DATE: March 16/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% V.G.	Size V.G. mm.	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	Quartz Albite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks / EST. Core Rec.	ASSAY: FROM SAMPLE No. TO	Sample Length	Au 1 PPB	Au 2	Ag ppm	Cu ppm	Zn ppm
	ARGILLITE / SILTSTONE CONT'D as per 206.6-216.6 and 208.25-212.6										210								1		40		6			TR			9	210.31	482263	1	15		<0.2	105	1300
											211																	1%									
											212															Lodolite 1%				97.6	482264	1	<5		<0.2	68	345
	212.6-216.6. with 30% bull quartz infilling, Traces to <1% Po. traces cpy. Traces sphal to 1/10% 213.5-216.6										213										30									213.05	482265	1	<5		<0.2	85	150
	216.6-219.0 Grey blk argillite 1 qtz vein @ 217.5 1-2cm w/10% ~~diseem~~ po tr cpy										214												TRACE LOCALLY					TR to 1/10		95-100%	482266	1	<5		<0.2	62	180
											215																				482267	1	<5		<0.2	74	340
											216																			215.19	482268	1	55		<0.2	74	360
											217												0							95-100%	482269	1	<5		<0.2	68	400

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ.
LOCATION:
DATE COLLARED:
DATE COMPLETED:

LENGTH:
ELEVATION:
NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: BX90-142
SHEET No. 3 of 42
LOGGED BY: G. Norman
DATE: March 16, 1990.

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% V.G.	Size V.G. mm	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 PPB	Au 2 PPB	Ag PPM PPM2	Cu PPM	Zn PPM
	ARGILLITE/SILTSTONE CONT'D										217												0						1								
																							to														
	ao per 216.6 - 219.0					.55	Q	10 20	40	1													1	TR		10			5	95-100%	482270	1	<5		<0.2	78	480
											218																										
																														218.24							
																															482271	1	5		<0.2	70	470
	219-219.5 with Quartz Injection similar to 206.6-216.6 traces sphal @ 219.4										219																										
																					15		4					TR									
																															482272	1	5		<0.2	72	520
	219.5 - 221.37 Very intense pervasive qtz. altn from 50-90%, w/ 1-2 dissem sfr. po & 1% py																				50	1	6			1.2	1		1	98.7							
											220												7						7								
																					80 to 90										482273	1	10		<0.2	58	85
	@221.37 - 221.85 STRONG Quartz vein, 48 cm w/ 15-20 % PY, <½ PO, 1-2% Arsenopyrite, trace cpy, sphal. wk lim on fr.										221																			221.28							
						.31	Q	480	20 45	1				QUARTZ VEIN							81	1	10	TR	1 to 2	<1/2	15 to 20	TR	5		482274	1	290	405	1.0 1.1	187	580
	221.85 - 225.05. Mod-strongly silicified Argillite - siltstone w/ 15 to 20 % qtz. to 222.8 increasing to a zone of quartz injections to 50% to laminations @ 224.8 - 225.05 w/ ~½% PO trace Sphal.										222										15 to 20		3			TR to 4			1 7		482275	1	30		<0.2	59	150
											223																			100							
	Laminations @ 60° to C.A.																																					
						.6	Q	6	20	1											60	40				tr			5		482276	1	15		<0.2	71	200
																					15																
											224										20																

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX-90142
SHEET No 33 of 42
LOGGED BY: G. Norman
DATE: March 16, 17, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 PPB	Au 2	Ag PPM	Cu PPM	Zn PPM
	ARGILLITE / SILTSONE										224								15		3			TR			1	100							
																			to					to				224.35							
	as per 221.85 – 225.05.																		20					4					482277	1.0	10		<0.2	55	240
																					↓														
											225								50		6			½		TR	9								
	225.05 – 228.90																				0			TR.			1								
	Relatively fresh blk laminated																							to											
	argillite, laminations @ 60.																							4											
	V. V. fine disseminated. <½										226													2											
																												100	482279	1.0	<5		0.3	68	630
											227																								
						.6	Q	12	70	1																		227.38	482280	1.0	<5		0.2	70	640
											228																								
																													482281	1.0	<5		<0.2	62	390
	ARGILLITE / TUFF																																		
	228.9 – 234.3. Blk argillite lamin.					.9	Q	50	80	1	229								44							TR									
228.9 to	@ 75°. small possible tuff																		<5	<2	3						1	100							
	bed @ 232.0 – 232.4 – slightly																										7								
	chloritic, coarse grained, some hornblende with brown biot.																										5		482282	1.0	<5		0.3	64	360
	Cut by 1 – 3cm quartz (bull) veins					.68	Q	30	75	1														TR	TR.		1								
	or injections. – some irreg. worm.										230																								
	quartz w/ carbonate. many of these																																		
	veins carry po to 1%, small					.41	Q	15	40	1														½				230.43							
	traces of sphal up to ½% locally																												482283	1.0	<5		<0.2	69	380
	po also as disseminations/blebs																											100							
	odd trace of sphal.										231																								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: Bx-90-142
SHEET No. 34 of 42
LOGGED BY: G. Norman
DATE: March 17, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Fol'at.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Metres	Hornblende	Biotite	Muss./Serit.	Chlorite	Epidote	Sericite	Garnet	Quartz Albite	Carbonate	Intensity	Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Metres Blocks EST Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm
	ARGILLITE / TUFF					.15	Q	3/7	30	1	231								<5	<2	3			1-2		TR	1								
	as per 228.9 – 234.3.																										7								
																											5		482284	1.0	<5		<0.2	70	260
											232																								
						10	Q	10	65															1%		4	5								
																												100							
																													482285	1.0	<5		<0.2	59	230
						.85	Q	25	70	1	233													½		TR	5								
																												233.48							
						32	Q	60	70	1														½			5		482286	1.0	<5		<0.2	47	270
											234																								
234.3 to	234.3 – 237.1. Black argillite No veining relatively fresh																				0								482287	1.0	<5		<0.2	53	170
											235																								
																												100							
											236																								
	237.1 – 238.2. Argillite w/ wk. qtz. stringers & po – qtz vnlts. 5% disseem po' at 237.2.																											236.52							
											237																								
	@ 237.6 – 238.1. qtz – po vein ~ 5mm. subll to C.A zone also lt brn – wkly horn.fels w/ brn biotite.																		<5		3			5			1	100							
						do	Q	5	10															10			5		482288	1	<5		<0.2	62	150
											238																								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX-90-142
SHEET No. 35 of 42
LOGGED BY: G. Norman
DATE: March 17, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks / EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2 ppb	Ag ppm PPM 1	Cu ppm	Zn ppm
	ARGILLITE CONT'D										238								<5		4														
						.4	Q	20	40										↑					TR			5							
						.45	Q	150	50										40			TR		2		TR	5		482289	1	<5		<0.2	57	250
	238.2 – 238.7 Zone of qtz.																		↓		↓							100				8	.1		
	injection (veining) sub-ll to										239								<5		2														
	bedding laminations.					.2	Q	15/20		1														TR			5							
	a) 238.45 – 15cm of qtz. bands.																											239.57							
	w/ 2% Po ! traces of cpy ! sphal.					.74	Q	55	60													TR		2		TR	5	100	482290	1	<5		<0.2	66	320
											240																								
	238.7 – 239.88. Argillite w/																		25		5	TR		1-2	2	TR	5	240.18							
	strong quartz vein at 239.74.																					↑		1.	TR		9								
	(sharp contacts) w/ 2% Po !																												482291	1	<5		<0.2	60	160
	traces of cpy ! sphal.																									1%									
	A dissoncontinuous qtz inledim										241											to													
	at 239.2 w/ traces Po.																					to			↓	TR									
																						Locally			Locally to			100							
	239.88 – 251.45. Zone of strong																												482292	1	<5		<0.2	53	126
	qtz infilling. Similar to																																		
	previous zones w/ bull qtz										242																								
	injected in a) ~ 50 which is																																		
	sub ll to bedding plane foliation																								23										
	Total quartz is 25%.																											242.62	482293	1	<5		<0.2	57	140
	239.86 – 245, w/ Po ave ~ 1-2%.																								TR										
	Py traces locally up to 5, cpy traces										243																								
	locally up to 10, sphal sporadic																																		
	traces up to 1% throughout.																												482294	1	<5		<0.2	62	160
	Quartz as vein to O.S.F. up to 25%.																								Locally to 5%										
	2 – Feldspar porphyritic																																		
	dykes at 240.18 and 242.4										244																								
	10 ! 20 cm. respectively. w/																											95.3							
	2% disseam ! fr py. Dykes																												482295	1	<5		<0.2	85	77
	are relatively fresh																																		
											245																								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX-90-142
SHEET No. 36 of 42
LOGGED BY: G. Norman
DATE: March 17, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Angles: Bedding	Angles: Cleav./Foliat.	Angles: Faults	Veins: Metres	Veins: Type	Veins: Thickness mm	Veins: Angle	Intensity	Meters	% Hornblende	% Biotite	% Musc./Sericite	% Chlorite	% Epidote	% Sericite	% Garnet	% Quartz Dolomite	% Carbonate	Intensity	% Chalcopyrite	% Arsenopy	% Pyrrhotite	% Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 PPB	Au 2	Ag ppm	Cu ppm	Zn ppm
	ARGILLITE CONT'D										245								25		5			TR			5	95.3							
	245.0 – 248.5. Argillite w/ 25% quartz infilling as pervious. wk. po. Tr to ½% Local traces of sphal & CPY.										246											Locally trace		Locally to ½%		Locally trace	9	245.67	482296	1	<5		<0.2	81	200
	248.5 – 250.0 Increase in sulphides Po ~3-5 locally to 10% Traces Sphal – CPY except v. strong sphal dissem. in a carbonitized bed – contain 2-5% dissem sphal & 5% po. – bed is @ 248.89 – 249.1										247																	95.3	482297	1	<5		<0.2	72	220
											248																		482298	1	<5		<0.2	58	75
	250.0 – 251.5. Wk Po <1% Trace CPY & sphal., quartz ~25-30										249									<5	5	TR		3 to 5		2 to 5	1 9 5	248.77	482299	1	<5		<0.2	63	1850
											250											TR		Local! Tr.		Tr			482300	1	<5		<0.2	56	690
	251.5 – 252.78. Pervasive qtz flooded rock w/ 15-20% qtz 1-2% Po as dissem. & Fr Filb and stronger qtz. segregations w/ traces CPY & sphal										251								25 to 30		5	TR		<1		TR	1 9 5	100	482301	1	<5		<0.2	55	180
											252								20		4	TR		1-2		TR	1 7	261.76	482302	1	<5		<0.2	58	120

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH:
LOCATION: | ELEVATION: | PROPERTY: HARRISON LAKE
DATE COLLARED: | NORTHING: | CORE SIZE:
DATE COMPLETED: | EASTING: | SCALE OF LOG:

HOLE No.: Bx 90-142
SHEET No. 37 of 42
LOGGED BY: G. Norman
DATE: March 17, 1990

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	Quartz	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurance	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 PPB	Au 2 PPb	Ag PPM PPM 2	Cu PPM	Zn PPM
	ARGILLITE CONT'D										252								20		4	TR		1-2		TR	1								
	as per 251.5 - 252.78																										7		482303	1	<5		<0.2	75	100
						.78	Q	12	50		253	Quartz vein							98					2-3			5								
	252.78 - 252.92 Quartz vein. w/2-3% Po.																				0							100	482304	2	<5		<0.2	58	260
	252.92 - 256.0 Black Argillite. - relatively vein free. - 2 small veins @ 255.5 & 255.6. qtz - w-Po										254																								
	@ 255.5 - 1cm w/ 1% Po. @ 45																											254.81							
	@ 255.6 2cm w/ 3-5 Po traces CPY & Sphal.										255																								
	256.0 - 260.9. Black - lt grey laminated (55° to C.A) Argillite w/ weak carbonate @ fr. fills.					.55	Q	10	45															1-2			5		* 482305	1	30	8	<0.2 .1	56	120
						.6	Q	20	50										<5		4	TR		3-5		TR	5								
											256									<1	0														
																												100							
											257																								
																												257.86							
											258																								
	@ 258.9 - 259.1 Fault gouge w/ carbonate infilling																											100							
					35						259									5															

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: RX-90-142
SHEET No. 38 of 42
LOGGED BY: G. Norman
DATE: March 17, 190

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts, Bedding, Cleav./Foliat., Faults	Veins: Metres, Type, Thickness mm, Angle	Intensity	Metres	% Hornblende, Biotite, Musc./Seric.	% Chlorite, Epidote, Sericite, Garnet, Quartz, Dolomite, Carbonate	Intensity	% Chalcopyrite, Arsenopy, Pyrrhotite, Pyrite	Sphalerite	Type Occurrence	Meters Blocks / Est. Core Rec.	ASSAY: FROM SAMPLE No. TO	Sample Length	Au 1 PPb	Au 2	Ag PPm	Cu PPm	Zn PPm
	ARGILLITE CONT'D				259				1/2 TR		1								
	– <1/2 v-fine disem PO throughout argillite				260							100							
	260.0 – 206.9. Str fr's @ w/ carbonate infilling sublite C.A.						<5						260.5						
					261							260.91	482306	1	<5		<0.2	59	185
	@ 260.90 – 261.26 @ 36cm. qtz "vein" strong. – w/ sulphides aligned @ 60% w/ 2-3% sphal & 2-3 PO.		.90 Q 36 50 1			QUARTZ VEIN.	95	3	2-3 ½	23	5		261.5						
					262														
	261.26 – 266.4 Argillite w/. 3 quartz masses (vein?) @ 263.84 – 22cm quartz vein w/ rough contact @ 40° to C.A. w/ 2-3 PO. & Tr. CPY.											99.7	482307	1.5	<5		<0.2	52	440
					263														
	@ 265.48 – 6cm @ 40% to C.A. w/ 2-3 PO & ~1/10% Sphal.						5						482308	1.0	<5		<0.2	67	126
	@ 266.05 – 6cm @ 40° bull qtz. trace PO at edge outside vein.		.84 Q 220 40 1		264	QUARTZ VEIN	97	TR	2-3		5	263.96							
							5		1/2				482309	1.0	<5		<0.2	60	250
					265							99.7							
			.48 Q 60 40 1			QUARTZ VEIN	97		2-3	1/10	5		482310	1.0	<5		<0.2	95	285
					266														

265.49

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: Bx90-142
SHEET No 39 of 42
LOGGED BY: G. Normaro
DATE: March 17, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks	EST. Core Rec.	ASSAY: FROM SAMPLE No TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm
	ARGILLITE CONT'D					.05	Q	60	40	1	266																5									
																			40					LI		TR	1	99.7		482311	1.0	<5		<0.2	50	130
																											9									
											267																5	267.0								
	266.4 – 271.9 Zone of Strong Quartz (bull) infilling – Ave % quartz contained is 40% The quartz is in continuous masses up to 40 cm. Most contacts are not sharp being irreg. & smewhat gradual.																													482312	1.0	<5		<0.2	27	84
											268																									
	Strong PO w/ qtz 270 – 272.0 a section of 3% Sphal @ 271.2.																											100		482313	1.0	<5		<0.2	39	69
											269																									
	271.9 – 273.0 Argillite w/ wispy qtz infilling & replacement becoming weaker to 273.																													482314	1.0	<5		<0.2	55	140
											270																	270.5								
																								10						482315	1.0	<5		<0.2	94	210
																								LI												
											271																									
																								10		3				482316	1.0	<5		<0.2	160	2500
																								23												
											272																	100								
																			15					LI						482317	1.0	<5		<0.2	60	240
																			20																	
																			10																	
											273																									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: Bx-90-142
SHEET No. 40 of 42
LOGGED BY: G. Norman
DATE: March 17, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Quartz	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1	Au 2	Ag	Cu	Zn
	ARGILLITE.										273								<5	<5	0			1/2			1	273.10							
	273.0 – 288.34																										5								
	Blk argillite relatively																							1-2											
	soft not hornfels.. V. fine					.5	0	10	70	1																									
	dissem PO <½.										274													1/2											
	odd qtz – PO VN @																																		
	273.67 – 1 cm @ 70°, 1-2 PO																																		
	283.45 – 6 cm @ 60 – 3% P																																		
	1% dissem sphal.																											100							
	284.1 – 1cm @ 60° tr PO.										275																								
	Minor Carbonate Fr/Filts and																																		
	wispy <1mm qtz segregations																																		
											276																	276.15							
											277																								
											278																	100							
											279																	279.20							
											280																								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: Bx 90-142
SHEET No. 41 of 42
LOGGED BY: G. Norman
DATE: March 17, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Quartz Diamite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2 PPB	Ag ppm	Cu ppm	Zn ppm
	ARGILLITE CONT'D										280								<5	<2	D			<½			1								
	as per 273.0 – 288.34																																		
											281																								
																												99.7							
											282																								
																												282.24							
											283																								
						45	Q	60	61	1											2			3		1%	5		482318	1.0	10		<0.2	75	450
											284										0			½			1	99.7							
											285																								
	blk argillite massive to laminated odd siltstone bed w/ coarse material ~1% disseminated fr po., odd qtz vnlt carb fr/sill w/ po.																											285.29							
											286																								
																												99.7	482319	2	<5		<0.2	69	255
											287																					8	.2		

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH:
LOCATION: | ELEVATION: | PROPERTY: HARRISON LAKE
DATE COLLARED: | NORTHING: | CORE SIZE:
DATE COMPLETED: | EASTING: | SCALE OF LOG:

HOLE No.: Bx 90-142
SHEET No. 42 of 42
LOGGED BY: G. Norman
DATE: March 17, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% V.G.	Size V.G. mm	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks / EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 PPb	Au 2 PPb	Ag PPM	Cu PPM	Zn PPM
	ARGILLITE CONT'D										287																										
	as before.																													99.7	482319	2	<5		<0.2	69	255
											288.																							8	.2		
																														288.34							
	EOH 288.34.																																				

BX 90-143

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5
LOCATION: BRECCIA
DATE COLLARED: Feb 14/90
DATE COMPLETED: Feb 21/90

DEPTH	DIP	AZ.
0	-50	270°
302.06	-51	278.5
225.76	-51	277.0
149.66	-49	273.5
72.46	-49	273.5

LENGTH: 312.76
ELEVATION: 688
NORTHING: 7145
EASTING: 11145

PROPERTY: HARRISON LAKE
CORE SIZE: NQ2
SCALE OF LOG: 1:50

HOLE No.: BX 90-143
SHEET No 1 of 45
LOGGED BY: G. Norman
DATE: March 13, 1990

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1	Au 2	Ag	Cu	Zn
0 -	OVER BURDEN										0																								
	0 - 12.19 Casing																																		
											1																								
											2																								
											3																								
											4																								
											5																								
											6																								
											7																								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX-90-143
SHEET No. 2 of 45
LOGGED BY: G. Norman
DATE: March 13, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	Size V.G. mm.	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1	Au 2	Ag	Cu	Zn
	OVERBURDEN CONT'D										7																										
											8																										
											9																										
											10																										
											11																										
											12																										
	12.19 – 12.44 boulders.																												12.19								
12.44 to.	QUARTZ DIORITE 12.44 – 18.25										13		20	20		5						0				TR		1 7	78								
	Relatively fresh quartz diorite broken w/ limon fr. ~20% bio, 20% hb w/ wk chl (~5) Traces desem. py. odd Fr/F w/py										14																		13.72.								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX-90-143
SHEET No 3 of 45
LOGGED BY:
DATE:

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	a.v.g. Size V.G. mm.	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Clay ~~Epidote~~	Sericite	Garnet	Quartz ~~Dolomite~~	Carbonate	Intensity	% Chalcopyrite	Oxides ~~Arsenopyr.~~	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm	MO ppm
	QUARTZ DIORITE CONT'D										14		20	20		5						0		25	TR			1									
	as per 12.44 - 18.25.																											7									
											15																										
											16																										
																													16.45	482380	1	30		<0.2	110	73	7
	16.6 - 17.0 Bull Quartz w/ mod-wk lim on fr.'s										17									100																	
													20	20		5						0		25	TR			1									
																												7		482381	1	10		<0.2	97	74	5
											18																										
						.25	Q	30	55																												
	18.25 - 22.85. Quartz Diorite strongly veined by quartz veins with minor sericite and po-py trace cpy and blk oxide.															5	5	15 to 20						25						482382	1	305		0.4	150	100	10
											19																										
	veins @ 18.25 - qtz w/lim. <1 ser																																				
	@ 19.43 - 4cm qtz w/lim. 1-2 py 1-2 blk oxide Trace CPY., 1-2 ser					.43	Q	40	90				quartz vein					1-2		96		—	TR	2	—	1-2		5		482383	1	420		0.5	350	70	6
	@ 19.70 - 1.5 cm qtz w/15 blk oxide <1 PY Trace CPY					.7	Q	15	60				quartz vein							84			TR	15		<1		5									
											20																		20.12								
	@ 20.2 - 25cm Qtz vein <1 blk oxide PY - str ser. halo.					.2	Q	25	60				quartz vein							98				<1		<1		5									
	@ 20.5 - 16cm Qtz vein ~15 blk oxides w/ 1-2 py - corcomb text. Trace cpy.					.5	Q	160	60 75				quartz vein					2-3		80			TR	15		1-2			66								
	Quartz dio - moderated w/ chl-ser-clay.					.8	Q	700	50																												
						↓					21		QUARTZ VEIN							99				1-2		1		5									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ.
LOCATION:
DATE COLLARED:
DATE COMPLETED:

LENGTH:
ELEVATION:
NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: BX-90-143
SHEET No. 4 of 45
LOGGED BY: G. Norman
DATE: March 14, 1990

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	B.V.B.	Size V.G. mm.	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Slay	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	MoS2	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2 ppb	Ag ppm ppm2	Cu ppm	Zn ppm	MO ppm
	QUARTZ DIORITE CONT'D										21			QUARTZ						VEIN		90		10				1		5									
	20.8 - 21.5 Large bull quart								50																							482385	1	1390		3.3	122	35	7
	vein w/ 1% py & blk oxide																			2.				0			1½	1½		1					1450	3.3				
	after py. contacts sharp @										22																												
	50° to C.A.																														66								
	21.5. - 23.9 Relatively fresh																															482386	1	375		0.9	152	85	5
	Q.D. - broken 23.0 - 23.2																																						
	w/ limonite.										23																				23.16								
	23.9. - 26.4 Brown-green colored																															482387	1	295		<0.2	105	39	3
	Q.D. textures obliterated										24																												
	- perv. clay - ser. - chl.																5	15	20			2		3						1									
	some PO Fr Fills.																to	20								TR		1-2		7									
	- 12mm qtz vein @ 24.4 w/ Tr PO.					.4	Q	12	60	3							10														97	482388	1	120		<0.2	160	32	47
	@ 24.3 Fr/F w/ PO ~ 1-2% w/					.5	Q Ser	10	55	3																													
	disseim MoS_2 w/ PO & adjac.					.8	Q Ser	10	50	3	25																												
	to Fr/F w/ ser ser.																																						
	- Short section 24.9 - 25.0 wkly					.3	Q	6	40	2																						482389	1	25		<0.2	183	41	8
	altered textures clear.					.35	Q py	5	40	2																													
	Quartz - carb vein @ 25.3 cuts																														25.91								
	qtz - py vein @ 25.35.										26																												
	26.4 - 28.7 Moderately sericitically					.35		8																															
	altered matics & partly grnd					.6		8												15		20					1½			5		482390	1	70		<0.2	146	36	11
	mass. Section cut by a					.78		10												to										1									
	series of parallel veins					.82		80	75		27									20																			
	at ~ 50° to C.A.					.03	Q	40	50	7																		1%			91								
	vein @ 26.82 - 8cm w/ Tr py					.38	C	6	45																							482391	1	40		<0.2	130	40	21
	@ 27.03 - 4cm - str ser halo.					.5	C	5	50																														
	@ 27.38 - 6mm Carb w/ 1% PO					.63	Q	60	10 80																														
	@ 27.63 - 60mm Quartz - Tr PO.					.88	Q	720	30 60		28																												

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX 90-143
SHEET No 5 of 45
LOGGED BY: G. Normen
DATE: March 14, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Folial	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	B.V.G.	Bio V.G. mm.	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	QUARTZ ~~Dolomite~~	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks / EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm	MO ppm
	QUARTZ DIORITE CONT'D										28		vein								98																	
						.24	Q	130	65										15		50		8			¼			5								
	as per 26.4 – 28.7.					.48	Q	40	65										to		↓		↓							91	482392	1	70		<0.2	65	36	3
	vein @ 27.88 – 28.10 ~ 22cm																		20																			
	qtz vein w/ ~1% po & py										29				35		1-2						0			¼	¾		1	28.96								
	@ 28.24 – qtz w/ 2-3 ser ¼% py																												5									
	@ 28.40 qtz w/ wk lim.																																					
	28.7 – 49.33																																					
	Quartz diorite					.63	Q	10	50	1																					482393	1	15		<0.2	90	33	2
	relatively fresh w/ ~35%										30																											
	blk bio ~1% hb w/ wk					.2	Q	10	50	1																												
	pers. chl 1-2%, ~~discem~~																																					
	py + po ~1% (3:1)																													100	482394	1	<5		<0.2	80	43	6
	odd qtz – carb – po vein																																					
	w/. sericite haloes to 2-3cm.										31																											
	odd 1-2mm qtz – py vn/to @ 50°																																					
	@ 29.63: 1cm carb-qtz w/ 2% Po Tr py.																																					
	3cm pers. sericite halo																																					
	@ 30.2 as per above vein.																																					
						.8	D	6	60	1	32																			32.00								
	@ 31.4 '31.5 str fr. w/ lim;																													100								
	mod – ser. alter'd between.																													32.31								
	31.8 – Dolomite vn w/ tr. po.					.44	Q	2	50	1																												
											33																											
											34																			100								
											35																											

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX-90-143
SHEET No. 6 of 45
LOGGED BY: G. Normow
DATE: March 14, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleavage/Foliation	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Quartz	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY: FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm	Mo ppm
	QUARTZ DIORITE CONT'D										35			35	1-2		<1			<1	1			TR	TR		1										
																											5	100								
	QS per. 28.7–49.33																										7	35.66	482395	2	<5		<0.2	120	36	3
	@ 35.0 fr/f. w/ carb.																																				
	@ 35.3 4cm bond of str										36																										
	dissem PO ~ 20°/30° w/																																				
	10% perv. ser.					.6	Q	7	70	1																											
	@ 36.36 7mm qtz vnlt w/<1% PO																																				
	@ 36.6 chl fr @ 60° to C.A.										37																										
																												96									
	@ 37.6 Po-Py unlt @ 10°																												482396	2	<5		<0.2	125	35	18
						.6	Po Py	6	10																												
						.9	Po	2	20	4	38																										
	@ 37.9 – 38.1 qtz-po fr/fills			Fr	Fill	.1	Po	2	20	4																		38.4								
	@ 20° to C.A.																																				
	@ 38.7 8mm Qtz-carb – Po(5)					.7	Q C	8	60	1																											
	@ 60° to C.A.					.95	Cal Qc	3	50	1	39																										
	39.0 – 44.0 This box was																																				
	scrabbled by drillers. Meterage																																				
	within this section are only best est.																																				
	odd 3mm chl-qtz-carb-po										40																										
	vnlt. @ 50°. Fr fills w/ ser,																											100									
	chl ± py. 1-2/metre																																				
	@ 41.55 3cm dissem po bond.																																				
	~ 40% Po w/ str ser.										41																										
																												41.45									
																												100									
											42																										

17

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: RX-90-143
SHEET No 7 of 45
LOGGED BY: G. Norman
DATE: March 14, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Quartz	Carbonate	Intensity	% Chalcopyrite	Mo S2	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 PPb	Au 2	Ag PPm	Cu PPm	Zn PPm	MO PPm
	QUARTZ DIORITE CONT'D										42			35	1-2						0			1/4	3/4		1										
																					to															
																					1															
	as per 28.7-49.33 and 39.0-44.10.																																			
						.06	Q	8	50	1	43												TR	5-10	TR		5									
	@ 43.06 - 8 mm Qtz vein w/ 5-10% Po, Tr MnS2, Tr py																							1/4			1									
																												100								
	43.0 - 44.5 8/m ser-carb-dol fr/fills @ 40-55°, odd ore w/ Po.										44																									
	44.5 - 45.5. Str pervasive sericitically altered QD cut by several qtz-carb ± Po+, cpy ± veins. w/ str sericite halo also perv. carb. outfrom carb veins.					.65	Q-C	40	60	5							—		84	1	7	<1		15			5	44.5		482398	1	2030		5.1	364	41	5
						.80	C-Q	30	65	5							30 to 40		87	2		1/2		10			5										
											45																1										
						.15	C	4	15	1										97				3			5										
						.45	C Q	8	60	1							10		20	60				10			5										
														—										1/4						482399	1	100		<0.2	100	35	5
														25					<5	<5							1										
	45.5 - 46.15. Fresh QD.										46			to							to								97								
	46.15 - 49.33. QD. cut by carb veins w/ str sericite haloes. Some Fr/fills w/ ser. ± carb. rock is weakly perv. seric altered.					.17	C	7	45	4				35																						
						.35	Q	7	70	4																										
						.47	C	65	80	4							20													482400	1	35		<0.2	80	33	9
											47																									
																	<5																			
																												47.55		482401	2	5		<0.2	60	35	2
						.7	C Str	30	50																											
											48																									
																												100								
											49																									

22

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: RX-90-142
SHEET No 3 of 45
LOGGED BY: G. Norman
DATE: March 14/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	B.V.G.	Size V.G. mm.	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks / EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 PPB	Au 2 PPB	Ag PPM PPM2	Cu PPM	Zn PPM	MO PPM
											49				35		1-2		<5		<5	<5	1			1/4	3/4		1								
															↓		↓		↓		↓	↓	↓			↓	↓		↓								
49.33 to 50.3	ANDESITE DYKE. Post Mineral grey blk dyke. blotchy hazy f-sel spots in f-g grndmass of blk mafics & f-sp. No minerals or altern. Contacts Not Visible.										50												0 ↓							100 / 50.6	50.3							
50.3 to 90.33	QUARTZ DIORITE. Psuedo Breccia. Quartz diorite has been crackled close to the breccia zone and filled in by open space. filling qtz-tourm-chl po-cpy. Sericite is pervasive near O.S.F. becoming perv.										51						12		40		25	<5	7	TR.		3			9		* 482402	.7	1650	1487	4.1 2.5	330	34	11
											52								↓		↓	↓	↓	↓		↓			↓		482403	1	80		<0.2	110	26	12
	throughout within strong OSF. 50.3 – 50.8 Mod-wk ser alteri'd. weak O.S.F. ~ <5%.														25		41		10		15	<5	5 to 6	TR.		1-2			9	98	482404	1	15		<0.2	75	31	10
	50.8 – 52.0 V. Strong O.S.F. to 30% w/ V. str. perv. ser ~ 40%. Po ~ 3% w/ trace Cpy., some lim on fr.										53																			53.64	482405	1	35		<0.2	106	30	6
	50.8 – 55.0 Quartz diorite w/ ~ 20% OS.F w/ 15% quartz <5% carb <1% Chl ~ 10% perv. sericite of mafics. 1-2% Po Tr cpy										54																				482406	1	10		<0.2	83	30	25
	55.0 – 60.2 Strong O.S.F of QD w/ ~ 40, w/ 20-25% qtz 10-15% carb, <5% chl, ~ 20-25 perv. ser. of mafics. w/ OSF. <½ Po, trace CPY trace Sphal w/ 5/7, Perchlo/mafic if not sericitized.										55				↓		↓		↓		↓		↓	↓		↓			↓	99								
															15		<5		20 to 25		20 to 25	10 to 15	5 to 6	TR		½			9 1		482407	1	15		<0.2	76	31	6
											56				↓		↓		↓		↓	↓	↓	↓		↓			↓			↓							

28

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX 90-143
SHEET No 9 of 45
LOGGED BY: G. Norman
DATE: March 14/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	a.v.g.	Size V.G. mm	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurance	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm	Mo ppm
	QUARTZ DIORITE CONT'D										56				15		15		20		20	10	5	TR		1/2			9									
	as per 55.0 – 60.2																		to 25		to 25	to 15	to 6						1	56.69	482408	1	5		<0.2	60	28	4
											57																											
																												TR			482409	1	<5		<0.2	71	26	7
											58																											
																														99	482410	1	165		<0.2	264	27	5
	@ 58.9. Strong quartz - Po - CPY vein ~ 16cm with 5-10 Po, 2-3 CPY.					9	Q	160	55/70	1	59	QUARTZ VEIN			15		15		20 to 25		20 to 25	10 to 15	5 to 6	TR		1/2			9	59.74	482411	1	25		<0.2	104	62	4
	59.9 – 60.0 Relatively unaltered. qp.										60																											
	60.2 – 66.2. Moderate OS.F w/ ~ 25-30% w/ 20-25% qtz, 5% carb, <5% chl., ~25% ser														10				25			5		TR		<1	Tr to 1		9		482412	1	<5		<0.2	63	30	6
	Sections of fresh Q Dat. (~ 10-25cm) at 61.0 & 62.m. PO <1% & Tr. CPY, Dissem patch (1 x 2cm) at 63.32. up to 1% dissem py locally.										61				Local 1/4 to 35															100	482413	1	10		<0.2	117	26	6
											62																			62.79	482414	1	5		<0.2	75	29	6
											63																											

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ.
LOCATION:
DATE COLLARED:
DATE COMPLETED:

LENGTH:
ELEVATION:
NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: Bx 90-143
SHEET No 100f 45
LOGGED BY: G. Norman
DATE: March 14, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Angles: Bedding	Angles: Clvgx/Foliat	Angles: Faults	Veins: Metres	Veins: Type	Veins: Thickness mm	Veins: Angle	Intensity	Meters	% Hornblende	% Biotite	% Musc./Serit.	% Chlorite	% Epidote	% Sericite	% Garnet	% Quartz	% Carbonate	Intensity	% Chalcopyrite	% Arsenopy	% Pyrrhotite	% Pyrite	Sphalerite	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 PPb	Au 2 PPB	Ag ppm PPM2	Cu ppm	Zn ppm	MO ppm
	QUARTZ DIORITE CONT'D.										63		10		<5		25		20	5	5	TR		<1	TR		1										
	as per 60.2-66.2.												to		-		-		to		to				to		9										
													35						25		6				1					482415	1	5		<0.2	70	26	12
											64		to																								
													40																	*							
																												100		482416	1	45	13	<0.2 .1	100	28	6
											65																										
																														482417	1	15		<0.2	77	30	7
																												65.84									
											66																										
	66.2 – 71.93 Moderate –												20		2		10		10	<5	5	TR		<1	<1		9			482418	1	45		<0.2	100	36	6
	wk O.S.F ~ 15% w/												to		to		to										1										
	~10% qtz, <5% carb, <1% chl,												25		3		15																				
	w/ 10-15 sh. up to 25% of																																				
	section w/ fresh blk biotite										67																										
	w/ sections from 10-20 cm.					Q	PY	10	20	1																											
	between O.S.F.																											99		482419	1	90		<0.2	75	37	6
	<1% po + PY dissem.																																				
	1-2% chl. bio.																																				
	O.F.S. vuggy w/ qtz xlts.										68																										
	1cm PY vein @ 67.02 @ 20% C.A.																													482420	1	<5		<0.2	58	39	5
																												68.88									
											69																										
																												100		482421	1	<5		<0.2	62	32	7
											70																										

42

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ.
LOCATION:
DATE COLLARED:
DATE COMPLETED:

LENGTH:
ELEVATION:
NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: BX-90-143
SHEET No. 11 of 45
LOGGED BY: G. Normen
DATE: March 14/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Folial	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	G.V.G.	Size V.G. mm.	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks / EST. Core Rec.	ASSAY: FROM SAMPLE No. TO	Sample Length	Au 1 PPB	Au 2	Ag ppm	Cu ppm	Zn ppm	Mo ppm
	QUARTZ DIORITE CONT'D										70				20		2		10		10	<5	5	TR		<1	<1		9									
	as per 66.2-71.93														to 25		to 3		to 15												482422	1	5		0.2	78	29	5
											71																			100								
																															482423	1	10		0.2	86	29	6
											72				↓		↓		↓		↓	↓	↓	↓		↓	↓		↓	71.93								
	71.93-77.6. mod-strong OS.F ~ 20-25 infilling of 15-20 quartz 2-3% carb, 1+2 chl, ~ 20% ser pen of mafics locally to 40%.														<5		1-2		20		15 to 20	2 to 3	6	TR		1 to 2	<½		9 1		482424	1	<5		0.2	69	30	6
											73																											
	V. str. O.S.F at 77 meters w/ 15-20 Po, 2-cpy. overall Po 1-2. w/ O.S.F. minor Py; Po disem with ser. pen. areas between O.S.F.																		Locally to 40											99	482425	1	10		0.2	81	31	14
											74																				482426	1	<5		0.2	70	32	5
											75																			74.98								
																															482427	1	5		0.2	84	29	24
											76																			99								
																															482428	1	285		0.7	810	36	5
											77				↓		↓		↓		↓	↓	↓	2		15-20	↓		↓									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BV 90-143
SHEET No. 12 of 45
LOGGED BY: G. Norman
DATE: March 15, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Clvgs/Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	Size V.G. mm.	% Hornblende	Biotite	Mvss./Swlt.	% Chlorite	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	MoS2	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 PPb	Au 2 PPB	Ag PPm PPm2	Cu PPm	Zn PPm	MO PPm
	QUARTZ DIORITE CONT'D										77		5	25		4		5		10	5	5		TR	<1	<½		9										
																		to										1										
	77.0 – 83.3. Moderate O.S.F ~																	10																				
	15% w/ 10% quartz, scab,																												99		482429	1	10		<0.2	81	32	12
	1-2% chl. –										78																											
	~15% of section w/ fresh																												78.03									
	bio (to chl wkly). ~85%																														482430	1	<5		<0.2	68	31	6
	w/section w/ ~5-10% sericite																																					
	alteration – sericite is stronger																																					
	near O.S.F.										79																											
	Traces of dissem MoS_2 (79.55) & 82.0																														*							
	~1% MoS_2 w/ qtz O.S.F at																														482431	1	<5	3	<0.2 .1	82	33	37
	82.7 m.																							TR														
	within arsenic/5 to 10% sericite																																					
	other also ~1-2% chl of										80																											
	mafics – usually hb																																					
	~ up to 1% combined PO TPY																												100		482432	1	<5		<0.2	73	30	9
	disseminated sulphides in greenness																																					
	~<½ PO as O.S.F. w/ qtz-carb.																																					
											81																											
	83.3 – 89.0. Moderate – strong																																					
	O.S.F. very similar to above w/																																					
	O.S.F stronger w/ 25% total w/																												81.08		482433	1	<5		<0.2	65	35	6
	~20-25 quartz 5% carb, ~5%																																					
	chl. (including chl mafics).										82													TR														
	~10-15 sericite w/ ~5-10 sericite																																					
	at mafic away from O.S.F. & up to																														482434	1	15		<0.2	81	29	31
	20-30 near O.S.F.																							1%														
	~15% w/section w/ fresh bio.																																					
	Trace disseminated MoS_2 dissem										83																		100									
	w/ add 1cm patch up to 1%																																					
	(eg 84.2.)																														482435	1	<5		<0.2	77	31	41
														10		5		10		20	5	5	TR		1	TR		9										
																		to		to		to						1										
											84							15		25		6																

56

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX-90-143
SHEET No. 13 of 45
LOGGED BY: G. Norman
DATE: March 15/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav/Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	O.V.G.	Size V.G. mm.	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Quartz Albite	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm	Mo ppm
	QUARTZ DIORITE CONT'D										84			T-2	10		5		10		20	5	5	Tr	TR	1	TR		9	84.12								
	as per 83.3 - 89.0																		to 15		to 25		to						1									
											85																											
																										Loc 1% to 2				99								
											86																											
											87																			87.17								
											88																											
	88.6 strongly vuggy OS.F w/ good qtz xtl growth also po: cpy.										89																			99								
	89.0 - 90.33. Section w/ 12% OS.F. w/ 10 qtz 1% carb; 1% chl. ~ sericite ~ 10-15, locally to 25%. w/ 25% of section w/ fresh blo. Traces MoS2 along qtz vein margin @ 89.3														10		1-2		10 to 15		10	1-2				TR	<1		9 1									
											90								Loc 1% to 2%											90.22								
																															90.33							
90.33 to 91.97	ANDESITE DYKE Post mineral blk f-g dyke w/ ~ 5-10, 1-3mm blk angite pheno's	50									91				30 to 40								0							99								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX-90-143
SHEET No 14 of 45
LOGGED BY: G. Norman
DATE: March 15, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav/Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Quartz Actinolite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks / EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm	MO ppm
	ANDESITE DYKE CONT'D										91		30								0															
	15-20 < 1mm tsp specks, bio-30'												40																							
	± upper, lower contacts sharp																																			
	@ 50, 70 respectively, grndmass																																			
	w/ fine bio tsp. weakly fr'd.																												91.97							
91.97 to 107.7	QUARTZ DIORITE CONT'D												35								0							99								
	91.97-93.7																																			
	Moderate O.S.F w/ ~ 20% w/												15		1-2		10		15	1-5	5			1			9		482442	2.03	35		<0.2	106	34	7
	~15% qtz, <5 carb, 1-2 chl.												10				10																			
	– 10% perv. ser. ~ section										93		20				15																			
	93.0 – 92.4 - relative fresh																											93.27								
	w/ NO O.S.F.																																			
	weak sulph – < 1% Po.																																			
											94		10		1-2		5		12	1-2	5			1			9									
	93.7 – 99.85 Weak O.S.F																10																			
	w/ ~ 12% total. w/ 10% qtz																																			
	1-2% carb, 1-2% carb.																																			
	Large sections w/ relatively																											101	482443	2.0	15		<0.2	100	38	20
	sections w/ high biotite < 25%										95																									
	of sedim.																																			
													35								0			1/2			1									
													10		1-2		5		12	1-2	4 to 5			1			1									
											96						to										9	96.01								
																	10																			
													35								0			1/2			1		482444	2.0	<5		<0.2	71	35	10
											97		10		1-2		5		12	1-2	4			1			9									
																	to				to						1									
																	10				5							100								
											98		35		1-2						0				1/2		1									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: Bx-90-143
SHEET No 15 of 45
LOGGED BY: G. Norman
DATE: March 15, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	a.V.G.	Size V.G. mm.	% Hornblende	Biotite	Muss./Seric.	% Chlorite	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 ppb	Au 2 ppb	Ag ppm ppm2	Cu ppm	Zn ppm	Mo ppm
	QUARTZ DIORITE CONT'D										98				35		1-2						0				1/2		1										
	95 per 93.7 – 99.85.																													100	482445	2.0	<5		<0.2	76	35	5
											99				10		1-2		5 to 10		12	1-2	4 to 5			<1			9 1	99.06									
	99.85. – 105.4 Moderate. OS.F ~20% w/, 10-15% qtz, ~5% carb, 5% chl, ~5% of sediment w/ fresh biot, – Sections between OS.F w/. wk-mod – ser. altern of mafics ~ weak sulph w/ <1% Pb. in OS.F ! dissem. Overall altern is weak.										100				10		5		5 to 10		10 to 15	5	4			<1			9 1	100	* 482446	2.0	30	27	<0.2 .2	110	39	38
											101																												
											102																			102.11									
	Fragment of sediment 10 cm @ 100.4.																														482447	2.0	<5		<0.2	88	33	9
											103																			100								
											104																												
																														104.55 100	482448	2.0	10		<0.2	127	39	18
											105																												

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION : | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED : | NORTHING : | CORE SIZE :
DATE COMPLETED : | EASTING : | SCALE OF LOG :

HOLE No. : BX 90 - 145
SHEET No. 16 of 45
LOGGED BY : [illegible]
DATE : [illegible] March 15, 90 [illegible] Norman

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Meters	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Slaty Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm	Mo ppm
	[illegible]										105		10		5		5 to 10		10 to 15	5	4			4			9									
	as per 99.85 - 105.4.												↓		↓						↓			↓			1	35.46								
													5		1-2	5	10		10 to 15	1-2	4			4			9		482448	2	10		<0.2	127	39	18
	105.4 - 107.7 Weak-mod.																																			
	O.S.F w/ ~20% total w/										106								15			Locally TR														
	10-15 qtz, 1-2 carb, 1-2 chl																																			
	weak po at <1 w/ trace cpx																																			
	Minor sections w/ fresh bio																																			
	<10%. Most w/ Ser. & Hem																												482449	2	<5		<0.2	91	44	9
	~ ~10% Ser. ~ 5% clay of										107																									
	mafics.																											100								
													↓		↓	↓	↓		↓	↓		↓		↓			↓									
107.7 -	ARGILLITE / HORNFELS										108		5		10				<5		1	TR		1	<1		1									
110.7													to		to						+			to			5									
	107.7 - 110.7. Blk to lt grey.					4	Q	20	50	1					15						2			2			7	108.51								
	aphanitic rock, w/ 5% irreg.																																			
	quartz veins, injections ± po.																												482450	2	5		<0.2	76	106	8
	odd carbonate veinlets w/ po.										109							1-2																		
	Patches of skarnification w/ garnet												↓					1																		
	& ep-quartz, odd Qtz-po-py																																			
	Fr/F, & h/L py fr fills.																																			
	Some wormy quartz-matic																																			
	injections. - Uralitization. Chl										110							↓																		
	is pervs. ~10-15% fine bio.					16	C	10	40	2										1								100								
	[illegible]					34	C	10	50	2																										
	Mod. [illegible]														↓				↓		↓	↓					↓									
	[illegible] w/ some [illegible]									1	111				5		5		<5	1-5	1	TR		1-2	1		0.									
	Hornfels - grey calc-silicate														10		10				2				2		V									
	lavers. Mod. deformed. Minor																										EF									
	Qtz - Py aff. Py disc'd & aff. [illegible]																											111.56								
	Also some M/C [illegible]															TR		TR																		
	Minor shaly horizons.									↓	112				↓	↓	↓	↓	↓	↓	↓	↓		↓	↓		↓									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX-90-143
SHEET No. 17 of 45
LOGGED BY: T. K. Brown
DATE: Feb 22/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% B.V.S.	Size V.S. mm.	Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 PPb	Au 2	Ag PPm	Cu PPm	Zn PPm
	ARGILLITE (HFS) – Cont.					.15	8	70	65	1-	112						5-		5-		15	15	1-	1-		1-	1-										
										1							10		10				2				1-		1								
	111.65 – 111.85: Sx w/ [illegible]																												15								
	[illegible]																																				
	w/ [illegible]										113																										
	112.3: 2.0 mm wide [illegible] @	55																												100							
	55° CA.					.75	Q	5	50																												
	113.3: 3 mm calcite stg @ 50° CA.				50						114																										
	112.75: 70 mm Qtz vn. w/ 1-2% Po.																																				
	2, Tr. Cpy. Also Calc-Ept.																													114.50							
											115																				482451	1.8	15		<0.2	116	82
	115.8: Sx. Contact – 11 Sding.		50																																		
	@ 45°.									V							V	V	V	V	V	V		V		V	V		V		115.8						
115.8 – 116.1	BRECCIA. – See descrip. last	45									116							SEE		DESCRIPTION						RELOW					482452	0.3	20		<0.2	151	72
	mafic dyke(s)	35																																			
116.1 – 120.85	MAFIC DYKE(S)									0							5-		10-				1				1-		DYKE		116.1						
	– upper contact @ 35° CA.	50															10		15											100			5		<0.2	37	64
																	5-		5-				1				1-		0		482453	1.9					
	116.1 – 116.5: dk. grn. in colour.										117						10																				
	f. grd w/ 20% vague fdspr																																				
	phenos and 10-15% 1-2 mm																																				
	mafic phenos. <1% Po disseminated.																													117.65							
	* Shall contact @ 116.5 @ 30° CA.																																				
	116.5 – 120.1: Tentural cleavage –										118																				118.0						
	f. grd diorite w/ locally Qtz.																																				
	amyg. (vuggy in part) up to 1cm																													100							
	Tr. Py disse.																																				
	last 120.1 – 120.3: grades into																																				
	text. sim. to 116.1 – 116.5									V	119						V		V				V				V		V								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: RX-90-143
SHEET No 18 of H5
LOGGED BY: B. K. Lower
DATE: Feb. 22/90.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav/Foliat	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 ppb	Au 2 ppb	Ag ppm PPM2	Cu PPM	Zn PPM
	MAFIC DIKE(S) – CONT'D										119				5		5				1				5		1			*119.0						
	as described above.														10																					
											120																	100		432452	1.35	20	5	<0.2 .2	30	68
																												120.70		120.85						
	Contact Depth →	45								1	121				25		5		5		2	TR		11	1		1									
120.85 – 131.80	BRECCIA.														30		10		10						2		FR									
	Both OB & HCLS flows present. OB most dominant in this min. OB is lath, wk → bec. mach. fol.																													432455 120.0	1.15	10		<0.2	116	97
	other clasts (unsorted in time) 60% lo disc. 20% S. disc.										122				10				10	25				1	TR											
	hard 122. Py seems to be																		15									100		432456	2.0	15		<0.2	136	86
	dominant sulphide (1%±) w/										123																									
	TR Cpy.																																			
	* not intensity of veining																											123.75								
	column – does not include clay-																													124						
	space filling which is dominant										124																									
	style of gangue – sulphide																																			
	min 2%																											98.4		432457	2.0	55		<0.2	115	82
											125																									
											126																			126						

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: Bx-90-142
SHEET No. 1 of 15
LOGGED BY: [illegible]
DATE: [illegible] 22/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	a.v.g. Size V.G. mm.	Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm
	SHEAR – [illegible]										126					15				10	15		TR		15			PL		126						
																		1/2		15								FE	98.4						
	– as described above																											CPY								
																													126.8	432458	2.0	5		<0.2	106	66
											127																									
	[illegible] 128.2: [illegible]																																			
	[illegible]																																			
	[illegible]																																			
	128.2 – 131.8: 25-35% chlor										128																									
	Sheared [illegible] 120 [illegible] CHL																												99.3							
	to [illegible]																						1%							432459	2.0	50		<0.2	155	48
											129																									
																							Locally >		Locally 2-3%		Locally [illegible]									
																													129.84	150						
											130																Trace									
																														432460	1.8	10		<0.5	101	42
											131																									
																													89.8							
	Bx contact [illegible]																																			
	[illegible]															V		V		V	V		V		V	V		V		131.8						
131.8–	ARGILLITE (HEST)	90	90								132					5		5		20		1/2			15			2								
132.7	Sim. to 107.3 – 115.8															1/2		10				2						FE								
																														432461	0.9	5		<0.2	107	66
																														132.7						
		35																											132.89							
132.7 – 137.4	QUARTZ DIORITE – see next page.									V	133							SEE		NEXT			PAGE													

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG:

HOLE No.: BX 90-143
SHEET No 200f 45
LOGGED BY: E. W. Sawyer
DATE: Feb 22/90.

METERS FROM-TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Metres	B.V.G.	Size V.G. mm.	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks / EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm	MO ppm.
	QUARTZ DIORITE – Cont'd.									1	133			75	15		10		5			15	1			1			D									
	Typical med-coarse grained qtz. W/b. chl. altered mafics. Mk. carb. vlts. Minor Sec. asst w/ carb. vlts. To ~ 1% disc.										134																			482462 134	13	25		0.9	90	49	
	134.8: 5mm Carb w/ R-Chl-(Ser)					.8	C	5	40																		1			88.5								
											135																											
											136																			135.99	136							
											137																			482463	1.4	<5		<0.2	81	55	
	137.4: Lower contact qtz diorite																													137.4								
137.4 – 141.0	BRECCIA					.7	C	5	30								10		5		10	5	4	Tr		1			D, FF, DEF	100								
	Sim. to previous Bx intercepts except increase in carb. infilling @ expense of Qtz ~ 20-25% open space filling.										138								10			Locally 10		Locally 1%		2												
											139															Locally 3%				138.99	139							
											140																			100	482465 140	1.0	g/t <0.03		ppm g/t <0.5 <0.5	184	114	4

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: Bx-90-143
SHEET No 21 of 45
LOGGED BY: J. K. Lowen
DATE: Feb 22/90.

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Angles: Bedding	Angles: Cleav/Foliat	Angles: Faults	Veins: Metres	Veins: Type	Veins: Thickness mm	Veins: Angle	Intensity	Meters	D.V.G.	Blue V.G. mm.	% Hornblende	% Biotite	% Musc./Seric.	% Chlorite	% Epidote	% Sericite	% Garnet	% Dolomite	% Carbonate	Intensity	% Chalcopyrite	% Arsenopy	% Pyrrhotite	% Pyrite	Sphalerite	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 g/t	Au 2	Ag ppm g/t	Cu ppm	Zn ppm	Mo ppm
	BRECCIA - CONT'D.									1	140						10		5-		5	5	4	TR		1-			D										
																			10							2			F										
	- as described above.																												OSF			282466	1.0	<0.03		<0.5 <0.5	212	110	1
	Lower cont. sharp @ 20° TA.										141																												
141.0- 144.2	ALBITITE (VEC?)	20								1							10		5				2			2			D	100									
																													FF			282467	1.0	<0.03		<0.5 <0.5	136	108	1
	141.0 - 142.7: Sericitized (?) sed, weakly bxd w/ disseminated																																						
	QS infilling, locally abundant										142																			142.02									
	sulphides w/ infilling. Po 2%.																																						
																																482468	1.0	1.37		4.5 3.5	172	176	<1
	@ 142.7: ~.2 m wide white,					.7	CQ	200	45									CQ		VEIN				TR		5		TR											
	massive Carb-Qtz w/ ~5% Po.					.9	Po	10	30	2	143						25		20			5	3-			<1			D										
	Tr Py + Sphal.																						4						V										
	@ 142.9: 10 mm Po - (Qtz) - Tr Py.		20																																				
	142.7 - 144.2: Lt. buff grey																													100		482469	1.2	<0.03		<0.5 <0.5	77	82	5
	heavy sericite, fairly bxd sed.																																						
	not bxd.										144																												
	Fault Contact →				60																											144.2							
144.2-	BRECCIA									1							15		5-		20	5-	4	TR		1-			D										
																			10		30	10				2			FF			482470	0.8	<0.03		<0.5 0.5	123	100	2
	@ 144.2: 4 cm clay gouge w/																												OSF										
	lim. Minor fault.										145																			145.08									
																										Lacking 3-5													
	Sim. to Bx. intervals higher																															482471	1.0	<0.03		<0.5 <0.5	151	156	3
	up in hole. Mafics visible in QS																																						
	fines → only white seric.										146																			90.5									
	Tr. Gt w/ QTZ @ 146.4.																															482472	1.0	<0.03		<0.5 0.5	180	100	2
											147																												

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG:

HOLE No.: BX-90-143
SHEET No. 22 of 45
LOGGED BY: [illegible]
DATE: [illegible]

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Metres	% Hornblende	Biotite	Musc./Sericite	Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY: FROM SAMPLE No. TO	Sample Length	Au 1	Au 2	Ag ppm	Cu ppm	Zn ppm	MO ppm
	BLEACHED – CONT'D									1	147				15		5		20	5	4	TR		1													
																	10		30	10				1													
	as described above																											90.5		432973	1.0	<0.03		<0.5 <0.5	284	100	4
											148																	148.5									
																														432974	1.0	<0.03		<0.5 <0.5	129	126	1
											149																										
																														432975	1.0	<0.03	.02	<0.5 <0.5 1.5	223	84	14
											150																	100.0									
																														432976	1.0	<0.03		<0.5 0.5	111	114	2
											151																	151.18									
																														432977	1.0	<0.03		<0.5 <0.5	281	114	6
											152																										
	152.8 – 153.0: few inclusions																											100		432978	1.0	0.07		<0.5 <0.5	193	222	8
	show sil., ess sul.																																				
	alter.										153																										
																														432979	1.0	<0.03		<0.5 0.5	228	104	2
										✓	154				✓		✓		✓	✓	✓	✓		✓			✓										

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX-90-143
SHEET No 23 of 45
LOGGED BY: J. H. Bower
DATE: Feb 22/90.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Folial.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks / EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 g/t	Au 2	Ag ppm g/t	Cu ppm	Zn ppm	Pb ppm
	BRECCIA – CONT.									1	154				15		5-		20	5-4		TR		1			2	154.23								
																	10		30	10				1			2									
	– as described above.																										85		482480	1.0	<0.3		<0.5	134	114	4
																																	<0.5			
	– 30% chert sacc. filling										155																									
	Sed frags >> intrusive frags																																			
																												97.4	482481	1.0	<0.3		<0.5	176	190	4
											156																						0.5			
																													482482	1.0	<0.3		<0.5	122	112	5
																																	<0.5			
											157																									
																												157.28								
																								TOTALLY 5%					482483	1.0	<0.3		<0.5	128	138	5
																																	<0.5			
											158																	113.7								
																													482484	1.0	0.3		<0.5	106	120	5
																																	<0.5			
											159																	159.11								
																													482485	1.0	<0.3		<0.5	177	122	6
																																	<0.5			
											160																	100								
																													482486	1.0	0.7		<0.5	151	224	12
	169.5 – 161.0 : Tr disst Sphal.																									TR							<0.5			
	in infilling Sth – Carb.																																			
											161																									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX 90-143
SHEET No. 2 of 45
LOGGED BY: [illegible]
DATE: [illegible]

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% V.G.	Size V.G. mm	% Hornblende	Biotite	Muss./Seric.	% Chlorite	Clay Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 g/t	Au 2 g/t	Ag ppm g/t	Cu ppm	Zn ppm	MO ppm
	[illegible] – [illegible]										161						15		5		20	5	1	TR		1			3						g/t 2			
																			10		30	10				2			5								
	– as described earlier																												25	100	482487	1.0	<0.03		<0.5 <0.5	127	158	10
											162																			162.5								
																															482488	1.0	<0.03		<0.5 <0.5	108	94	16
											163																											
																														100	482489	1.0	<0.03		<0.5 <0.5	136	130	.15
											164															34												
																															* 482490	1.0	.03	.01	<0.5 <0.5 .5	112	94	10
											165															NORMALLY												
																														166.20								
	G. Norman start logging																														482491	1.0	<0.03		<0.5 <0.5	105	112	17
	166.7-172.0 Breccia – w/ 30% open										166																			100								
	space filling of qtz – chl-carb.																																					
	clay-ser altern of matics of intrusive																													166.42								
	frag mentls – mainly sedimentary frag																														482492	1.0	<0.03		<0.5 <0.5	141	74	33
	Po as open space filling w/ tr CPY																																					
	locally tr %.										167						15 to 20		5 to 10		40		6	TR locally 1%		2 to 3												
																										locally 5				98.9	482493	1.0	<0.03		<0.5 <0.5	199	72	12
											168																											

BEMA GOLD CORPORATION

N.T.S. MAP GRID : 92 H 5 | DEPTH | DIP | AZ.
LOCATION :
DATE COLLARED :
DATE COMPLETED :

LENGTH :
ELEVATION :
NORTHING :
EASTING :

PROPERTY : HARRISON LAKE
CORE SIZE :
SCALE OF LOG :

HOLE No. : BX-90-143
SHEET No. 25 of 45
LOGGED BY : G. Norman
DATE :

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Quartz	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurance	Meters Blocks	EST. Core Rec.
	BRECCIA. CONT'D. as described fr. 166.7-172.0										168				15 to 20	5 to 10	5 to 10		40 to 20	5 to 10	6	Tr		2 to 3			D F OSF		
											169																	98.9	
																												169.4	
											170																		
											171																	100	
	172.0 - 177.7 Breccia similar to above. w/ 35% open space filling of. Quartz-carb.-chl, po-cpy-Po also as dissem in frag.										172				10 to 15	5	5			5				3 to 5				172.52	
											173																	100	
											174																		
											175																		

ASSAY: FROM SAMPLE No. TO	Sample Length	Au 1 g/t	Au 2 g/t	Ag ppm g/t	Cu ppm	Zn ppm	Mo ppm
482494	1	<0.03		<0.5 0.5	98	68	10
482495	1	<0.03		<0.5 0.5	139	50	3
482496	1	<0.03		<0.5 0.5	283	106	25
482497	1	<0.03		<0.5 0.5	205	106	5
* 482498	1	<0.03	.01	<0.5 0.5 .5	231	78	4
482499	1	<0.03		<0.5 <0.5	159	86	5
482500	1	<0.03		<0.5 0.5	173	98	3

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG:

HOLE No.: BX-90-143
SHEET No. 26 of 45
LOGGED BY: G. Norman
DATE:

METERS FROM-TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts, Bedding, Cleav./Foliat., Faults	Veins: Meters, Type, Thickness mm, Angle, Intensity	Meters	% Hornblende, Biotite, Musc./Sericite	% Chlorite, Clay, Epidote, Sericite, Garnet, Quartz, Carbonate, Intensity	% Chalcopyrite, Arsenopy, Pyrrhotite, Pyrite	Sphalerite	Type Occurance	Meters Blocks / EST. Core Rec.	ASSAY: FROM SAMPLE No. TO	Sample Length	Au 1 g/t	Au 2	Ag ppm g/t	Cu ppm	Zn ppm	MO ppm
	BRECCIA CONT'D			175		5 / <5 / 5 / 20 / 5 / 6	TR / 3		F									
	as per 172.0 - 177.7.					tr / tr			D	175.56	482501	1	<0.03		<0.5 / <0.5	161	124	6
						10 / 30	5	TR	OSF									
	a) 175.7 - 176.12. TR sphalerite - disseminated blebs.			176							482502	1	<0.03		<0.5 / <0.5	158	88	2
	a) 177.95 - 178.32 Quartz Dio. frag w/ chl mafics - 2cm. str ser halo at lower end			177						100	482503	1	<0.03		<0.5 / <0.5	122	104	6
	177.7 - 183.4 openspace filling ~15-20%. w/ relative fresh intrusive frag. as per above and 180.0 - 180.15 but as well the odd. str sericitized frag eg. 182.65' 182.9.			178		10 / 15	TR / 2			178.31	482504	1	<0.03		<0.5 / <0.5	152	74	10
	a) 180.65. 10cm frag w/ 15% PO & TR-CPY.			179						92.8	482505	1	<0.03		<0.5 / <0.5	155	82	14
				180							482506	1	<0.03		<0.5 / <0.5	243	96	7
				181						181.36 / 100	482507	1	<0.03		<0.5 / <0.5	153	90	9
				182		✓ / ✓ / ✓ / ✓ / ✓ / ✓	✓ / ✓											

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: Bx 90-143
SHEET No. 27 of 45
LOGGED BY: G. Norman
DATE: Feb 24/90

METERS FROM-TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Metres	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	Quartz	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 g/t	Au 2	Ag ppm g/t	Cu ppm	Zn ppm	Mo ppm
	BRECCIA CONT'D.										182				5		5		10		6						OSF									
															tr		1		tr				TR				D									
															1				15						2											
											183																									
																												100								
	183.4 – 184.25.																		30		7				5											
	Stringer po w/ upt. ½ cm																						4		tr											
	stringer qtz. o.s.f. to 30%.										184																									
																									8											
	184.25 – 183.5 SEDIMENTS.																		<5										184.4	482510	2	<0.03		<0.5	92	90	2
	Grey black argillite w/ sections																				2				1									<0.5			
	of pervasive silica alteration (187.6-																																				
	188.15) and skarnified bands @										185																										
	188.4 – 188.6 & 188.8 – 189.1 w/ carb-qtz.																																				
	ep- garnet. traces po. Grey argillite																																				
	sections w/ ~1% wispy po dissem																											100									
	& fine qtz- po fr. filling. bands @																																				
	45° to C.A. poss. reflecting bedding?										186																										
																														482511	2	<0.03		<0.5	72	118	15
																																		0.5			
											187																		187.15								
																					4																
											188								50																		
																												100									
																<1		<1		<5						<1/10				482512	1	<0.03		<0.5	44	104	4
																					2													<0.5			
											189					<1		<1		<5						<1/10											

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH : | HOLE No.: BX-90-143
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE | SHEET No. 28 of 45
DATE COLLARED: | NORTHING : | CORE SIZE : | LOGGED BY :
DATE COMPLETED: | EASTING : | SCALE OF LOG : | DATE : Feb 24/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts, Bedding, Cleav./Foliat., Faults	Veins: Metres, Type, Thickness mm, Angle	Intensity	Meters	% Hornblende, Biotite, Musc./Seric.	% Chlorite, Epidote, Sericite, Garnet, Quartz Dolomite, Carbonate, Intensity	% Chalcopyrite, Arsenopy, Pyrrhotite, Pyrite	Sphalerite	Type Occurrence	Meters Blocks EST. Core Rec.	ASSAY: FROM SAMPLE No. TO	Sample Length	Au g/t	Au 2 g/t	Ag ppm g/t	Cu ppm	Zn ppm	Mo ppm
	SEDIMENTS CONT'D.				189		5 / 45 / 5 / 3					*	↑			.ge2 <0.5			
							20 / 40 / 7	1% / 15								0.5			
	189.2-189.5. Altered limestone						45 / 4	1			100	482513	1	<0.03			370	88	<1
	pod or fragment w/ 15%				190			tr							.01	.5			
	PO 1% CPY.							2			190.2		↓						
	189.5 BRECCIA. CONT'D.											482514	1	<0.03		<0.5	166	114	5
	189.5 - 192.0							3 / 65 / 2		OSE						0.5			
	Breccia w/ sections of				191		45 / 45 / 10 / 5 / 6	1%		D									
	weak infilling (large fragments).						3	TR			100	482515	1	0.46		<0.5	186	72	2
	Short section 190.7 - 191.0							1.								1.8			
	of 3-5% PO 1% CPY - 2% PY																		
	191.3 - 192. Crackled sediment				192		↓ / ↓ / ↓ / ↓	↓											
	w/ 5cm breccia sections w						15 / 5 / 3	TR											
	¼ infilling of Po. qtz-cpy.						tr	tr											
							4	1			192.94	482516	1	<0.03		<0.5	68	110	7
	192.0 - 194.8															<0.5			
	Sharp decrease in sulphides.				193														
	PO Tr - 1% Tr cpy.																		
	increase in chl - OSP → 15%											482517	1	<0.03		<0.5	84	94	9
																<0.5			
					194														
	194.8 - 200.3.																		
	Increase in carbonate																		
	(Transitional) to 5-10%.						↓ / ↓ / ↓	↓			90.5	482518	1	<0.03		<0.5	74	88	12
																<0.5			
					195		5 / 5						↓	ppb		ppm	ppm	ppm	
							tr / tr	21											
							10												
							10					482519	2	5		<0.2	87	88	
					196		↓ / ↓				195.99								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH:
LOCATION: | ELEVATION: | PROPERTY: HARRISON LAKE
DATE COLLARED: | NORTHING: | CORE SIZE:
DATE COMPLETED: | EASTING: | SCALE OF LOG:

HOLE No.: BX-90-143
SHEET No. 29 of 45
LOGGED BY: B.K. Bowman / G. Norman
DATE: Feb. 27/93.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Clean/Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	A.V.G.	Size V.G. mm	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurance	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 PPB	Au 2	Ag PPM	Cu PPM	Zn PPM
	BRECCIA – cont'd										196						15		5		5	5	3			L1											
																			15		10	15	15														
	Fragments of sediment are less altered w/ textural features v. clear (bedding).																				10	10	4								482519	2					
											197																										
	the drop in sulphides is very distinct, increase in carbonate and chlorite at the expense of quartz.																												100	482520	2	20		<0.2	68	118
	- odd intrusive frag. appears to be more felsic than Q.D.										198													TRACE													
	@ 196.5 str broken w/ infilling of anhydrite.																																				
											199																		199.03							
																								locally							482521	2	<5		<0.2	48	76
											200																										
	* BKB decrease str @ 200.3									1							15		5		5	10	3			TR			D1								
																	15		10				4						054	100							
	20-25% open space filling. Alte: Carb. Chl. alte mainly as open space filling. Ep alte mainly after frags.										201																										
																															BKB. 482522	2.0	<5		0.6	55	124
											202																		202.08							
																													100								
											203																										

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ.
LOCATION:
DATE COLLARED:
DATE COMPLETED:

LENGTH:
ELEVATION:
NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: BX-90-143
SHEET No. 30 of 45
LOGGED BY: [illegible]
DATE: Feb 23/90.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks Est. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm
	[illegible]									1	203				1-2		5-1		5	10	2			TR			P1								
	– as described above														1-2		10				5						TR								
	Sed [illegible]										204																		482523	2.0	15		<0.2	50	80
	[illegible]																											100							
	[illegible]										205																	205.13							
																						Trace							482524	2.10	<5		<0.2	60	64
											206											Locally		TR											
																								Locally				100							
											207																								
																													482525	2.0	<5		<0.2	41	76
											208																	208.18							
											209																								
																												100	482526	2.0	<5		<0.2	34	65
											210																								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG:

HOLE No.: Bx-90-143
SHEET No. 31 of 45
LOGGED BY: [illegible]
DATE: [illegible] 23/90.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts, Bedding, Cleav./Foliat., Faults	Veins: Metres, Type, Thickness mm, Angle, Intensity	Metres	% Hornblende, Biotite, Musc./Seric.	% Chlorite, Epidote, Sericite, Garnet, Dolomite, Carbonate, Intensity	% Chalcopyrite, Arsenopy, Pyrrhotite, Pyrite	Sphalerite	Type Occurence	Meters Blocks / EST. Core Rec.	ASSAY: FROM SAMPLE No. TO	Sample Length	Au 1 PPB	Au 2 PPB	Ag ppm PPM2	Cu PPM	Zn PPM
	[illegible] – [illegible] – as described above.			210		15 5 15 10 5 10 3 4	Moderately 1%			100							
				211						211.23							
				212		5 10 5 10	Moderately 1%				432527	2.0	<5	4	<0.2 .1	37	64
				213						99							
				214							432528	2.0	<5		<0.2	64	66
				215						214.27							
				216						99	432529	2.0	<5		<0.2	41	53
				217													

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX-90-143
SHEET No. 3 of 45
LOGGED BY: B.K. Bowen
DATE: Feb 23/90.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts, Bedding, Cleav./Foliat., Faults	Veins: Metres, Type, Thickness mm, Angle, Intensity	Metres, A.V.G., Size V.G. mm.	% Hornblende, Biotite, Musc./Serit.	% Chlorite, Epidote, Sericite, Garnet, Dolomite, Carbonate, Intensity	% Chalcopyrite, Arsenopy, Pyrrhotite, Pyrite	Sphalerite, Type Occurrence	Meters Blocks, EST. Core Rec.	ASSAY: FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2 gt	Ag ppm gt2	Cu ppm	Zn ppm
	FELSIC TUFF		1	217		br 5 5 5 5 3	70	A	217.65							
						15 10 10 10 4		DX								
							Tr 1			432530	2.0	<5		0.2	56	64
				218			1 Tr									
							Tr 1									
				219			1 Tr		100							
										432531	2.0	<5		<0.2	43	58
				220												
									220.35							
				221												
									99	432532	1.0	<5		<0.2	59	49
				222												
*	222.5: 40 mm massive Po vn.											6500		13.9	560	44
	w/ 1-2% Gy & minor Sph, 1% Py		.50 Po 40 30	4			1-2 95 1	V								
							1/2 5 2 1	D+	EF	482533	1.0		SKB 222 m	Hole 6	logging	
*	222.9: 30 mm massive Po vn w/		.20 Po 50 40	V	223		1-2 75 23	V								
	2-3% Po, 1-2% Gy, minor Sph		.15 PO 70							*						
						1 1-2 10	1-2 85 1-2	3	223.42	482534	1.0	>10000		47.0	1600	52
	223.15 – 223.42. 27 cm. massive Po.											21.4	20.84	51.0		
	Vn. w/ 80-85 PO, 1-2 CPY, 10% qtz															
	1-2% ser-chl. 1-2 Py			224												

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: Bx 90-143
SHEET No 3 of 4 5
LOGGED BY: G. Norman
DATE: March 8, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	a.v.g.	Size V.G. mm.	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm
Start G. Norman	BRECCIA CONT'D.										224						5		1-2		5 to 10	10	3 to 4			TR to 4		TR.	1 9	224.33	482535	2.0	130		<0.2	64	74
	223.4 – 227.9. Moderately brecciated grey-tan sedimentary rock – siltite (thin section) with moderate – weak breccia infilling. Overall O.S.F ~15-20% w/ 8-10 qtz, 10% carb ~5% chl. TR-<1% Po, TRace of Sphal @ 224.45										225																											
	Sedimentary text. clearly visible w/ weak perv. altern.										226																			100	482536	2.0	105		<0.2	52	110
											227																			227.38	482537	2.0	25		<0.2	37	100
	227.9 – 233.8 Some what weaker brecciation: O.S.F. ~15% w/ qtz-10%, carb 5%, 1-2% chl. Minor sulphide w/ TR-<1 Po. TR. cpy locally.										228						1-2		1		10	5															
	Sections of 15-25 cm of well laminated tan-grey sediment w/ No O.S.F.										229													TRACE LOCALLY						99	482538	2.0	10		<0.2	49	92
											230																			230.43							
											231																			101							

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX90-143
SHEET No 34 of 45
LOGGED BY: G. Normans
DATE: March 8, 1990

METERS FROM-TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav/Foliat	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	QUARTZ ~~Dolomite~~	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurance	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 ppb	Au 2 g/t	Ag ppm g/t	Cu ppm	Zn ppm
	BRECCIA CONT'D										231				1-2		1		10	5	3			TR			9									
	as per 227.9 – 233.9																					TRACE LOCALLY		Locally						482538	2.0	10		<0.2	49	92
											232																									
																												101		482539	2.0	5		<0.2	59	112
											233																									
																												233.48								
	233.9 – 237.6 Moderate to weak brecciation v. similar to before w/ 10-15 O.S.F. w/ 5% qtz. 5 carb, <5% chl. TR – Locally <1 TR Cpy TR Sphal @ 233.9. Frag upto 20cm, overall weakly altered w/ poor sulphide.										234				15				5								TR									
																														482540	2	5	003	<0.2 .5	59	112
											235																	100								
											236																									
																												236.52		482541	2	<5		<0.2	33	100
											237																									
																												100								
											238																									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX 90-143
SHEET No 35 of 45
LOGGED BY: G. Norman
DATE: March 8, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm
	BRECCIA CONT'D										238				45				10	5	3	TR		TR			9								
	as per 233.9–239.6																							Locally 1				100	482542	2	<5		<0.2	52	84
											239																								
																								Locally				239.27							
	239.6–245.0 Very similar to before weak breccia ¿ D.S.F. h 10 w/ ~5% carb, 2% qtz, 1-2 chl TR. – ½ Po. Many zips of lamin grey sediment ½ 20cm w/ No. OSF, weak perv. chl. of sedimentary frag 1-2%.														1/10 2				3		2			TR											
											240																								
																													482543	2	<5		<0.2	71	118
											241																	91.0							
																								Locally TR											
	a) 242.25 small slip @ 60% ~½ gouge				60						242																								
																												242.32	482544	2	<5		<0.2	79	120
											243																								
																												99							
											244																								
																													482545	2	<5		<0.2	58	115
											245																								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: Bx-90-143
SHEET No. 36 of 45
LOGGED BY: G. Norman
DATE: March 8, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 PPb	Au 2	Ag PPm	Cu PPm	Zn PPm
	BRECCIA CONT'D										245				2 to 3				2	5 to 10	2 to 3			TR			9 1	245.06							
	245.0 – 250.7 Very similar to below w/ weak brecciation and OSF (~ 10-15%). w/ 10-12% carb, 2% qtz 2-3% chl. TR Po.										246																		482545	2	<5		<0.2	58	115
																												100	482546	2	<5		<0.2	69	130
											247																								
											248																	248.11							
																													482547	2	<5		<0.2	66	62
											249																	99							
	250.7 – 256.25 Moderate – weak brecciation & OSF w/n 15 total. w/ 5-10 carb, <5 qtz <5% chl. Tr – ½% Po. TR cpy – Slight increase in Po & chl. & 1-2% Ser. along edges of qtz-carb										250				<5		1.2		<5	5 to 10	3	TR		TR to ½			9 1		482548	2	<5		<0.2	75	100
											251																	251.16							
																												100							
																												25.76							
											252																								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 DEPTH DIP AZ.
LOCATION:
DATE COLLARED:
DATE COMPLETED:
LENGTH:
ELEVATION:
NORTHING:
EASTING:
PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:
HOLE No.: Bx-90-143
SHEET No. 37 of 45
LOGGED BY: G. Norman
DATE: March 8/10, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration
	BRECCIA CONTD as per 250.7 – 256.25
	256.25 – 256.85. Well bedded tuffaceous sed. Some frag visible, lamination ~⊥ to C.A – Sediment is wk chloritic & mod. per. silicified or sygenetic?
	256.85 – 261.82. Strength of brecciation has increased w/ ~25% O.S.F. w/ ~15% qtz, 5% carb, 2-5% chl & weak sericite 1-2%. TR – ½% Po. Traces of sphal (1-3 1-2mm blebs with qtz-carb OSF per metre) Traces of cpy

Meters	Chlorite	Sericite	Quartz/Dolomite	Carbonate	Intensity	Chalcopyrite	Pyrrhotite	Sphalerite	Type Occurrence	Meters Blocks / Est. Core Rec.
252 – 256.25	5	1-2	5	5 to 10	3 to 4	TR	TR to ½		9 1	99
254.81										254.81
256.25 – 257	5		10 to 15		2					100
257 – 259	2 to 5	1½ to 2	15	5	4 to 5	TR	TR to ½	TR	9 1	99
257.86										257.86

ASSAY

FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2 ppb	Ag ppm	Cu ppm	Zn ppm
482549	2	45		<0.2	63	148
482550	2	10		<0.2	48	160
* 482551	1	5	11	<0.2 / .1	69	60
482552	1	<5		<0.2	42	116
482553	1	5		<0.2	46	140

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX-90-143
SHEET No 3801 45
LOGGED BY: G. Norman
DATE: March 10/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Angles: Bedding	Angles: Chlox/Foliat.	Angles: Faults	Veins: Metres	Veins: Type	Veins: Thickness mm	Veins: Angle	Veins: Intensity	Meters	% Hornblende	% Biotite	% Musc./Seric.	% Chlorite	% Epidote	% Sericite	% Garnet	% Quartz Dolomite	% Carbonate	% Intensity	% Chalcopyrite	% Arsenopy	% Pyrrhotite	% Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 PPb	Au 2	Ag PPm	Cu PPm	Zn PPm
	BRECCIA CONT'D as per 256.85 – 261.82										259				2 to 5		1-2		15	5	4 to 5	TR		TR to 2		TR	9 1	100	482554	1	<5		<0.2	37	100
											260																								
																										TR TR		260.51	482555	1	<5		<0.2	57	110
	261.82 – 267.52. Strongly brecciated grey – with slight brownish tinge. sediment – Siltite w/ ~ 25 – 30% OSF. w/ ~ 15-20 qtz, 10 – 15 carb 1-2% chl. Trace of Po & Trace Sphal – Most pieces w/ NO Sulphide										261															TR			482556	1	<5		<0.2	41	63
											262				1-2		1-2		25	15	3			Nil to Tr		Nil to Tr		100	482557	2	<5		<0.2	21	71
											263																								
											264																	263.97							
											265																		482558	2	<5		<0.2	37	75
											266																	100							

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH:
LOCATION: | ELEVATION: | PROPERTY: HARRISON LAKE
DATE COLLARED: | NORTHING: | CORE SIZE:
DATE COMPLETED: | EASTING: | SCALE OF LOG:

HOLE No.: Bx 90-143
SHEET No. 39 of 45
LOGGED BY: G. Norman
DATE: March 10, 1990

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Metres	A.V.G.	Size V.G. mm	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm
	BRECCIA CONTD as per 261.82-267.52										266						1-2		1-2		25	15	3			Nil to tr		Nil to tr	9	100	482559	2	10		<0.2	37	80
											267																			267.00								
	267.5-273.0 Mod-Str brecciated grey siltite sediment. OSE ~20-25% w/qtz-10%, carb~10%, chl-1-2% TR-Po, CPY, PY. Some perv. silicification of fragments away from OSE qtz.										268						1-2		1		10	10		TR		TR	TR		9	100	482560	2	10		<0.2	41	90
											269																											
											270																			270.05								
																															482561	2	<5		<0.2	32	86
											271																			98								
											272																											
																															482562	2	<5		<0.2	34	120
											273																											

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH:
LOCATION: | ELEVATION: | PROPERTY: HARRISON LAKE
DATE COLLARED: | NORTHING: | CORE SIZE:
DATE COMPLETED: | EASTING: | SCALE OF LOG:

HOLE No.: BX 90-143
SHEET No. 4001 45
LOGGED BY: G. Norman
DATE: March 10/90

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Clvgx/Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Muss./Swit.	% Chlorite	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2 ppb	Ag ppm	Cu ppm	Zn ppm
	BRECCIA CONT'D										273				12		<5		12	8	3	TR		TR		TR	9	273.10								
	273.0 - 276.15. Mod-Str. breccia of sed. rock w/OSF. very similar to 267.5 - 273.0 w/ 20-25 OSF overall. minor traces of sphal @ 273.2 & 276. as dissem. blebs 1-2mm. Traces of cpy at 275.9. Fine perv. sch. of sed. frag. v. weak. Overall rock is weakly a'ed.										274													2 to locally						482562	2	<5		<0.2	34	120
											275																	95		482563	2	<5		<0.2	46	110
	276.15 - 278.81 Argillaceous Tuff - not brecciated but w/ mod qtz veining locally up to 20% of volume of rock. w/ no appreciable sulphides										276															TR		276.15								
																					2 to 3			TR	TR		4 7			482564	2	10		<0.2	73	95
	- 3cm band of str semi-massive pol. to [illegible] w/1% cpy @ 276.5					.5	po	30	90		277								15			1%		25 TR	TR			100								
	- Some tr w/ py										278																									
	278.81 - 281.3. Strongly broken section w/ strong qtz OSF. up to 50% and 10% chl. - well devel. qtz crystals in vugs fr @ 20°/50° to C.A. Some py <1% blk oxide alt. py with in qtz										279				10				30		5				<1		9	278.89		482565	1	5		<0.2	79	85
											280								<0.1									64		* 482566	1	15	16	<0.2 .2	192	78

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION :
DATE COLLARED: | NORTHING :
DATE COMPLETED: | EASTING :

PROPERTY : HARRISON LAKE
CORE SIZE :
SCALE OF LOG :

HOLE No.: BX-90-143
SHEET No. 41 of 45
LOGGED BY: G. Norman
DATE: March 10/90

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Clvgx/Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Quartz	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 PPb	Au 2	Ag PPm	Cu PPm	Zn PPm
	BRECCIA CONT'D.										280				10				30		5				<1		9								
	as per 278.81-281.3																		Locally tr									64	482567	1	<5		<0.2	54	104
											281																	281.03							
	281.3-282.8 Moderately to strong O.S.F. of breccia to 25% w/ 15-20% qtz 5% chl and 5% carb. TR. PO & CPY.														5				25	5	3 to 4	TR		TR			9		482568	2	<5		<0.2	37	92
											282																								
	odd andesitic frag. 282.8-284.0. Moderate breccia infill w/ sharp increase in chl OSF to 15%, sharp decrease in qtz to 5-15%																											100							
											283				15				5	15	4 to 5						9								
	Carb. Traces Sphal @ 284.3																									TR			482569	1	<5		<0.2	41	114
											284																	284.07							
	284.0-289.9 Moderate - weak brecciated argillaceous sediment, frag up to .45 w/ no. OSF. Large frag @ 285.1-285.55, other frag .5-15cm.														5 to 10				15	5	5	Locally TR		<1			9	83	482570	2	10		<0.2	49	84
											285																								
	Overall O.S.F. is ~25 to 30 w/ 15% qtz, 5% carb. 5-10% chl.																				0			<1			1	285.29							
	Trace % sphal. @ 287.5														5 to 10		<5		15	5	5	TR.		TR to <1			9 1	97	482571	1	10		<0.2	22	87
											286																								
											287																								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX-90-143
SHEET No. 42 of 75
LOGGED BY: G. Norman
DATE: March 10/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	a.v.g.	Size V.S.mm.	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurance	Meters Blocks	EST. Core Rec.
	BRECCIA CONT'D.										287						5		<5		15	5	5	TR		TR			9		
																	to									to			1		
	as per 284.0 – 289.9																10									<1		TR			97
											288																				
																														288.34	
											289																				
	289.9 – 294.0 Weakly										290																			100	
	breccia sediment w/ up																15		<5			10	3	TR		TR			9		
	to 50cm of unbrecciated																to					to							1		
	sediment w/ NO OSF.																20					15									
											291						25									Local 1% to 1					
	small Fault at 291.55 w/																													291.39	
	2cm gouge @ 55°																														
	Sections of OSF. w/ mod-str																to														
	chl & carbonate (~15–20) &				55																										
	(10–15) w/ Tr po locally																														
	up to 1%. TR CPX										292																				
	Large sed. frag. from 292.65																														
	to 293.2. Sediment is argillaceous																													100	
	and is mod. hornfels being																														
	fairly brittle, also has wk																5						0			TR			1		
	perv. chl.										293																				
	Some fine ser. w/ perv. carb.																15		<5			10	3	TR		TR			9		
																	to					to							1		
																	20					15									
											294																				

ASSAY

FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm
482572	1	5		<0.2	30	78
482573	1	<5		<0.2	33	60
482574	2	5		<0.2	34	90
482575	2	5		<0.2	59	210
482576	1	<5		<0.2	56	135

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX 90-143
SHEET No. 43 of 45
LOGGED BY: G. Normen
DATE: March 10/90

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Cleav/Foliat	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% a.v.g.	Size v.g. mm	Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks / EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2 ppb	Ag ppm ppm 2	Cu ppm	Zn ppm
	BRECCIA CONT'D										294						30 to 35		<5			10 to 15	3	TR		<1			9 1	294.44							
	294.0 - 297.87. Str breccia OSF. w/ 30% chl ~ 10-15. carbonate, Trace qtz. PO - <1 locally to 3-5 cpy trace locally to < ½										295													locally to ½		locally to 3-5					482577	1	<5		<0.2	81	90
											296																			100	482578	1	50		0.4	106	180
	@ 296.4' Trace of sphal. 1mm bleb and at 296.9.																											TR			482579	1	85		0.4	93	163
											297																										
	@ 297.87 Str po to 5% w/ cpy. to ½%.																													297.48	482580	1	45		0.5	170	145
											298																										
297.87 to 312.76	SEDIMENTS. Fine grained. grey black. prev. mod. chl. rock w/ minor diosem ; Fr PO to ½%.																10						1			½			1 7		* 482581	2	10	6	<0.2 .4	114	120
											299																			100							
	weak qtz & carb veining near Breccia contact Contact w/ breccia is gradual. Some anhydrite as fr filling. Rock is moderately hornfelsed										300																			300.53	482582	2	<5		<0.2	66	116
											301																			100							

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX90-143
SHEET No. 44 of 45
LOGGED BY: G. Norman
DATE: March 10, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Muss./Serit.	% Chlorite	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1	Au 2	Ag	Cu	Zn
	SEDIMENTS CONT'D.										301										1															
	300.6 – 305.75. Sediments mod. hornfels. w/ perv. chl and odd skarn band w/ carbonate chl, garnet and quartz										302																			482582	2					
											303													locally traces				100								
																												303.58								
	@304.7 – 7cm. Skarn band w/ garnet – ep – chl – epidote – carbonate										304																									
															3			5	5	5	1			41				100								
						1	C	15	70	1	305						45			90																
																												305.41								
											306													locally traces												
																												99								
											307																									
											308																									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX 90-143
SHEET No 45 of 45
LOGGED BY: G. Norman
DATE: March 10/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Clvg/Foliat	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Quartz ~~Dolomite~~	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks / EST. Core Rec	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 ppb	Au 2 PPB	Ag ppm ppm2	Cu ppm	Zn ppm
	SEDIMENTS CONT'D										308																								
																5		5	50					1-2				99							
	as per before																											308.76							
	308.8 – 310.0 1.5-3cm Vein					.8	C A	15 30	0 10 to	1	309									90		TR	3-5	<1		<1	5								
	carbonate, arsenopyrite (3-5)																											100	309.1 482583	.05	260		0.4	160	2400
	sphal - <1 cpy - trace, pol																																		
	vein is subperallel to																											309.7	482584 309.4	.05	1550		2.9 3.1	67	710
	core axis.																															1698			
											310																								
																								locally trace.											
											311																								
																												100							
											312																								
	E.O.H 312.76																											312.76							

BX 90-144

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5
LOCATION: Breccia
DATE COLLARED: Feb 21/90
DATE COMPLETED: Feb 28/90

DEPTH	DIP	AZ.
0	-70	270°
381.30	-66	270.5
305.10	69	270.0
228.90	-70	276.0
152.72	-70	277.5
76.50	-70	276.5

LENGTH: 391.47
ELEVATION: 688
NORTHING: 7145
EASTING: 11185

PROPERTY: HARRISON LAKE
CORE SIZE: NQ 2
SCALE OF LOG: 1:50

HOLE No.: BX90-144
SHEET No. 1 of 56
LOGGED BY: G. Norman
DATE: March 11, 1990

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts, Bedding, Cleav./Folial., Faults	Veins: Metres, Type, Thickness mm, Angle, Intensity	Meters, % V.G., Size V.G. mm.	% Hornblende, Biotite, Musc./Seric.	% Chlorite, Epidote, Sericite, Garnet, Dolomite, Carbonate, Intensity	% Chalcopyrite, Arsenopy, Pyrrhotite, Pyrite	Sphalerite, Type Occurence, Meters Blocks, EST. Core Rec.	ASSAY: FROM SAMPLE No. TO, Sample Length, Au 1, Au 2, Ag, Cu, Zn
0-9.14	OVERBURDEN			0					
	Casing to 9.15								2
				1					
				2					
				3					
				4					
				5					
				6					
				7					

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ.
LOCATION:
DATE COLLARED:
DATE COMPLETED:

LENGTH:
ELEVATION:
NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: BX-90-144
SHEET No. 2 of 56
LOGGED BY: G. Norman
DATE: March 11, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts, Bedding, Clear/Foliat., Faults	Veins: Metres, Type, Thickness mm, Angle	Intensity	Meters	% Hornblende, Biotite, Musc./Seric.	% Chlorite, Epidote, Sericite (clay), Dolomite, Carbonate, Intensity	% Chalcopyrite, Pyrrhotite, Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY: FROM SAMPLE No. TO, Sample Length, Au 1, Au 2, Ag, Cu, Zn
	OVERBURDEN CONT'D				7							
					8.0							
	9.15 – 9.39. blders of sediment and quartz diorite.				9.0						9.15	
9.39 to 51.0	QUARTZ DIORITE					35 5	10	10				
	Medium grained intrusive w/ 35 hb. – weakly chloritized xtls upto 3mm., 5% blk unchloritized biotite. Groundmass of quartz and feldspar. Minor dissem. py.				10.0						10.97	
	9.39 – 14.4. Section at top of hole mod-strongly broken up w/ mod-str limonite on fr. Rock is relatively fresh w/ wk chl of mafics.				11							
	Short section from 13.3 – 14.0 w/ mod-wk sericite altern of mafics! mod-wk clay altern of grnd mass. Irreg mass of qtz. w/ py @ 13.9.				12						85.2	
					13		10 10	61				
					14							

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX-90-145
SHEET No 3 of 56
LOGGED BY: G. Normore
DATE: March 11, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Limonite	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks / EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1	Au 2	Ag	Cu	Zn
	QUARTZ DIORITE										14			35	5		10					0		10				1	14.02							
	as per 9.39-14.4.																								TR		1								
	14.4 – 21.34										15														tr		7								
	Relatively fresh quartz diorite. Weak chl of hb., mod-wkly fr'd at. 60; 10-25 to C.A up to 5 per meter.					7	Q	3	30	1															<1			97.4							
	– Traces dissem. py. throughout. Odd fr. fill of py. 1-2 per meter. Odd 3mm qtz. veinlet (3mm.										16																								
											17																	17.02							
											18																								
											19																	96.7							
											20																	20.12							
											21																	99.6							

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5
LOCATION:
DATE COLLARED:
DATE COMPLETED:

DEPTH | DIP | AZ.

LENGTH:
ELEVATION:
NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: Bx-90-144
SHEET No. 4 of 56
LOGGED BY: G. Norman
DATE: March 11, 1990

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurance	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 PPB	Au 2 g/t	Ag ppm gt	Cu PPM	Zn PPM	MO PPM
	QUARTZ DIORITE CONT'D										21	35	5														1			*	↑	g/t		9t 2			
																																		37.0			
	*					.34	Q	350	80	1		3	<1				3		85			TR	1-2	8	1-2		6 5			482585	1	>10000		39.4	280	260	7
	21.34 - 21.69 Quartz vein.																														↓	18.0	17.79	42.5			
	- w PO - 8%, Py 1-2, Arsenopy										22																										
	1-2%, CPY trace., Moss trace.																											99.6									
	- Vein is PO rich at uphole					.35	PO	10	60	1												TR		3	TR		5			482586	1	570		1.4	230	48	34
	end! PY - arseno py rich																															.55		1.4			
	at down hole end.																														↓						
	* 3 counts of Au < 1mm - edge										23																										
	of PO - uphole end.																											23.16									
	21.69 - 25.10 Strongly sericite																																				
	altered section of. QD in between																													482587	1	3090		9.3	370	49	14
	above vein & lower large										24																					4.63		12.0			
	qtz vein. This altered section																														↓						
	is composed of ~ 50% f-g ser.					.35	PO	15	60													TR		99	TR					482588	1	80		0.3	190	46	12
	text. completely obliterated																											83.6									
	except for. 10cm section at 22.0																														↓	0.07		0.7			
	which shows bio-hb text of QD.										25																										
	Altered section cut by numerous					.1		140	80													<1		<1												
	PO veins/vnlts., odd qtz-PO																																				
	py cpy veins to 1cm.					.4	Q	↑	33								2		98								5										
	25.10 - 25.24 Quartz vein.										26																										
	25.24 - 25.4 Quart diorite							260 mm																				26.21									
	25.4 - 28.0 Quartz vein																																				
	Large quartz vein w/ 1-2																													482590	1	235		0.4	24	11	2
	coarse sericite, main bull qtz.																															0.38		0.3			
	w/ some vuggy text & qtz										27																				↓						
	xHs in vugs. ~ From 27.5 to																											88.1									
	26.0 some coarse PO 0.5F w/																2		97			TR		1						482591	1	1380		1.3	162	19	10
	Trace. cpy																															0.86		3.1			
						0		↓	45		28											↓		↓													

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX-90-144
SHEET No 5 of 56
LOGGED BY: G. Normann
DATE: March 11, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts, Bedding, Clea./Foliat., Faults	Veins: Metres, Type, Thickness mm, Angle, Intensity	Meters	% Hornblende, Biotite, Musc./Sericite	% Chlorite, Epidote, Sericite, Garnet, Quartz Carbonate, Carbonate, Intensity	% Chalcopyrite, MoS2 Arsenopyrite, Pyrrhotite, Pyrite	Sphalerite	Type Occurance	Meters Blocks EST. Core Rec.	ASSAY: FROM SAMPLE No TO	Sample Length	Au 1 PPb	Au 2	Ag PPm	Cu PPm	Zn PPm	Mo PPm
	QUARTZ DIORITE CONT'D			28		50 to 60 / 6	TR		1									
	28.0 – 29.10 Intensely sericitically altered QD. pervasively altered.			29						88.1	482592	1	60 / 0.03		0.6 / 0.7	190	84	10
	29.10 – 29.36 Quartz vein 26cm upper contact sharp @ 50 to C.A. lower irreg @ 60° to C.A. Mainly bull qtz w/ 1-2 Po 0.5F. blebs concent at upper hole end tr cpy.		.1 Q 260 50 3			97	TR 1-2		5	29.26								
			.45 Q 70 60 3			50 to 60	TR. TR 1 / 1		1		482593	1	50 / 0.07		0.3 / 0.7	228	66	42
			.9 PO PY 3.5 20 1	30		1-2	90	9	5									
	29.36 – 31.15. Intensely ser. altered QD w/ 2% dissem Po.		.45 Q 45 irreg 1				Tr 1-2 / 1-2		5 / 1	96.0	482594	1	30		0.2	250	72	6
	31.15 – 32.55. Quartz Vein. massive bull quartz w/ 1-2 Po from 32.40 – 32.55 ondul tr cpy. Approx. 76cm. were ground.		.15 Q 1400 mm irreg	31 / 32		<1 99	<1		5		482595	1	25		<0.2	44	16	3
			.55 40			98	TR 1-2			32.31	482596	1	60		<0.2	146	51	10
	32.55 – 32.8 str sericitically altered QD			33	35 5	50 60 / 1-2	1-2		1									
	32.8 – 38.0. Relatively fresh Quartz diorite cut by a series of qtz-carb – po vein @ 33.25 – 2.5cm bull qtz – tr py. @ 33.62 13mm qtz – po – MoS2 – cpy		.25 Q 25 30 1 / .62 Q 13 70 3	34	5	5 / 4 6 5 / 1-2	Tr / TR 1 1-2		5	98.7	482597	1	10		<0.2	174	76	35
	@ 34.2 qtz – po – MoS2 – cpy.		.2 Q 7 60 3				Tr 1 2-3	1	5.		482598	1	10		0.2	200	76	46
			.63 Q 30 60 2	35			Tr 1 10	<1	5									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX-90-141
SHEET No 6 of 56
LOGGED BY: G. Norman
DATE: March 11, 1990

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Cleav/Foliat	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Sericite	Chlorite	Epidote	Sericite	Garnet	Quartz Potassic	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 PPB	Au 2 PPB	Ag PPM PPM2	Cu PPM	Zn PPM	MO PPM
	QUARTZ DIORITE CONT'D					.07	Q	10 to 20	60	1	35	35	5		5				100		3			1-2			1		*	↑					
	35.0 - 38.0																										7	35.36								
	Relatively fresh GD w/ wk.					.5	Q	25	40	1																	5		482599	1	10		0.2	104	61	4
	chl of mafics 1-2 % dissem																															10	.3			
	py - weak ser. halos 2cm.										36																			*						
	near veins. Some py-chl fr fills																																			
	Veins @ 33.07 - bull qtz.																																			
	@ 35.5 large bull qtz xlts to 5cm					.55	Q	10	45	1					1-2				96					1-2			5		482600	1	20		0.2	126	73	3
	@ 35.95. bull qtz.					.7	Q	5	65										97.					3			5									
	@ 36.5 qtz-po w/ 3-5cm ser halo										37																	99.0		*						
	@ 36.7 qtz - po																																			
	@ 37.4 carb-chl-qtz.																																			
	@ 37.77 qtz-po. trace cpy.					.4	Q cn	12	35	1					40				20	40									482601	1	5		0.2	142	68	3
						.7	Q	8	70	1												TR		2-3			5.			*						
	38.0 - 38.5. Sericitically altered.										38																									
	Qp cut py po veins					.12	po	25	65	3							40		5	5		1-2		88	Tr		5/6									
						.05	Q	5	65								to 50		98					1-2				38.40								
	38.5 - 39.5. Quartz Diorite					.4	Q	20	60	2							30			40		TR.		30					482602	1	1770		3.5	260	71	5
	w/ weak ser altern of mafics					.53	Q cn	16	80	2					20		10		80					↓			1									
	cut by qtz - chl veins.					.85	Q cn	15	30	2	39				40				60											*						
						0.0	Q cn	13	35	2					30				60	10																
	39.5 - 42.6. Quartz diorite																												482603	2	30		0.4	138	50	6
	relatively fresh w/ ~10%																↓							↓												
	O.S.F w/ Quartz - chl (7:3)														3				7					1			1									
	w str sericitic halos										40																									
	at 41.85. - introduction of																											100								
	carbonate ~6.																																			
											41																			*						
																												41.45	482604	2	5		0.4	112	40	8
											42		↓	↓	3				5	5	3						1									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ.
LOCATION:
DATE COLLARED:
DATE COMPLETED:

LENGTH:
ELEVATION:
NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: BX-90-144
SHEET No. 7 of 56
LOGGED BY: G. Norman
DATE: March 11, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Quartz Albite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm	Mo ppm
	QUARTZ DIORITE					.15	Q	5	55	1	42	35	5		3				5	5	3			30			1									
	as per 39.5 – 42.6											10	30				1-2				0			Tr			1		482604	2	5		0.4	112	40	8
	42.6 – 44.0 Quartz Diorite relatively fresh no veining or OSF w/ < ½ to Tr dissem py ~1-2% perv. sericite alteration of matrix.										43													Tr to ½				98.4								
											44						✓				↓			↓			↓									
	44.0 – 51.0 Relatively fresh quartz diorite cut by 3-5mm quartz-po on quartz-carb.-chl. veins weak-mod fr'd.					25	Q	3	75						45		1-2		80	15	0 to						1									
						.8	Q	5	55	1	45												TR	10			5	44.50								
											46																	100								
	48.1 – 49.0. Section w/ wk-mod perv. serv. of matrix										47																									
	@48.25 qtz-po cpy																											47.55								
	@ 48.56 6mm carb tr py.																																			
	@ 48.7 4cm. carbonate qtz po										48						↓				↓															
						.25	Q	5	20										1		3	TR		2			5	100	482605	1	15		0.4	106	39	6
															5		10																			
						.56	C	5	75																											
						.7	C Q	40	40	1	49													TR			5									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ.
LOCATION:
DATE COLLARED:
DATE COMPLETED:

LENGTH:
ELEVATION:
NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: BX-90-144
SHEET No. 8 of 56
LOGGED BY: G. Norman
DATE: March 12, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	B.V.G.	Size V.G. mm	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1	Au 2	Ag	Cu	Zn
	Quartz Diorite Cont'd										49			10	30				1-2				0 to 1			<1												
	as per 44.0 – 51.0 @ 49.5. 4cm. grey green andesite dyke – post mineral dyke. possible dykelet from diorite dyke below.					.3	Q	2	75	1	50													TR.		2 <1				100	50.60							
51.0 to 55.15	POST MINERAL DIORITE DYKE ANDESITE Large diorite dyke, clearly post mineral. Fresh w/ chilled margins. Porphyritic weakly w/ 3mm blotchy white fsp ~ to 2-5%. Very weakly fr. 1-2/m @ 40°. ~ 40-50 mafic appears to bio 1-1mm xlts, Very minor traces disseam py Mafic have wk-mod chl altern	45									51				40		5 to 10						0						1		94.4							
											52																very minor traces				53.64							
											53																											
											54																											
											55																				100							
		45																																				
55.15 to 76.6	Quartz Diorite: Mod-wk chl altern of mafics ~ 10% w/ 1% disseam py – from 55.15 – 55.3										56			10	30								0 to 1				1		1									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX-90-144
SHEET No 9 of 56
LOGGED BY: G. Norman
DATE: March 12, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts, Bedding, Cleav./Foliat., Faults	Veins: Metres, Type, Thickness mm, Angle, Intensity	Meters	% Hornblende, Biotite, Musc./Serit.	% Chlorite, Clay, Sericite, Garnet, Dolomite, Carbonate, Intensity	% Chalcopyrite, Arsenopy, Pyrrhotite, Pyrite, Sphalerite, Type Occurence	Meters Blocks / EST. Core Rec.	ASSAY: FROM SAMPLE No TO, Sample Length, Au 1 ppb, Au 2, Ag ppm, Cu ppm, Zn ppm, Mo ppm
	QUARTZ DIORITE CONTD			56	10 30	2	0 TR TR 1		
							+ 7	100	482606 2 5 0.2 85 38 38
	55.3 – 56.65. Relatively fresh QD – wk chl of mafics, wk traces dissem py-po, ~~chl~~ po-fr fill.						–	56.69	
				57		<5	2 <1 1		
	56.65 – 57.4. Felsic Dyke. subparallel to C.A ~3cm thick. – odd patch of po-cpy near contact. ~2cm sericitically altered halo out from felsic dyke.					<5 <5	3 TR 1		
			3 C 15/20 40 1	58			<1 TR	92.8	
	57.4 – 58.8. Mod – clay-ser. pres of mafics. odd-2mm qtz-chl veinlet 1-2mm sericite halo.			59	<5 40		1 <1 7 1		
	58.8 – 63.5. Relatively fresh QD. w/ po-pc-py fr. ~1mm up to 3/meter. @ 45 to 60° to C.A.			60				59.74	
				61					
								95.1	
				62					
								62.79	
				63					

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG:

HOLE No.: BX-90-144
SHEET No 1 of 56
LOGGED BY: G. Norman
DATE: March 12, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Clay	Epidote	Sericite	Garnet	Quartz	Carbonate	Intensity	% Chalcopyrite	Molybdenite	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm	Mo ppm
	QUARTZ DIORITE CONT'D										63	<5	40									0			1			1									
	as per 58.5 – 63.5.															5		10				3			<1			1		482607	2	15		0.3	94	38	6
											64																										
	63.5 – 64.3. Moderately perv. ser altern. cut by carbonate + qtz – po – carb veins.					.2	C	60	40	1										1	99																
	10cm Carb vein @ 64.7 – str sericite on uphole contact.					.7	Q	10	30	1		<5	40					<5					TR		2			5	100								
	– mafics – sericite – clay altered pervasively.										65																	1									
																								TR						482608	1	15		0.3	95	38	14
	Andesite Dykelets. @ 65.0 2 – 2cm beige andesite dykelets – very fluid-like textures – flow-like contacts.										66														<1				65.84								
	64.3 – 66.4 Relatively fresh QD. – locally with patches of perv. sericite near quartz – carb veins ie at 64.45. 1cm qtz-carb veinlet.										67																		100								
											68																										
	Minor po. fracture fills one w/ MoS_2 @ 65.3					.23	Q	3	80														TR		<1												
																		10			<5																
	66.4 – 68.15 Relatively fresh QD. 1-2 tr fills w/ Po. per meter.										69																		68.88								
	68.15 – 69.0 Bleached section w/ perv. ser. + Ser-Carb tr fills					3	C	15	60														TR		1-2												
						.45	C	20	45														TR		15			5	104.9								
	69.0 – 70.0 2cm. carb – po – cpy vein @ 69.45, rest of rock rel. fresh										70																										

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX 90-144
SHEET No. 11 of 56
LOGGED BY: G. Norman
DATE: March 12, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Clea./Folial	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% V.G.	Size V.G. mm.	Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Quartz Albite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1	Au 2	Ag	Cu	Zn
	QUARTZ DIORITE										70			5	35				1-2				0			TR			7								
																							ET						1								
	70.0 – 74.15																																				
	Relatively fresh QD w/																																				
	minor carbonate – qtz fr Fills										71																			104.9							
																														71.93							
											72																										
											73																										
																														97.4							
											74																										
	74.15 – 74.36 Andesite Dyke.	20.																																			
	Post mineral dyke upper																																				
	contact @ 20° to C.A.																																				
											75																			74.98							
						25	Q	15 20	30																												
	@ 75.25. 1.5 – 2cm. bull qtz vein																5		40		15	45	3						9								
	@ 30°																																				
	75.25 – 76.6 Altered Section QD																																				
	w/ 05.F qtz – chl – ser.										76						10				10	15															
	Str. ser 75.25 – 75.85. str qtz-																to		10		to									100							
	chl. 75.85 – 76.85 – Section 75.25 to																15				15																
	75.6 broken w/ str limonite fr.																																				
76.6 to 78.35	ANDESITE DYKE	20																					0														
	Post mineral dyke										77																										

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX-90-144
SHEET No 12 of 56
LOGGED BY: G. Norman
DATE: March 12, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts, Bedding, Cleav./Foliat., Faults	Veins: Meters, Type, Thickness mm, Angle	Intensity	Meters	% Hornblende, Biotite, Musc./Seric.	% Chlorite, Epidote, Sericite, Garnet, Quartz, Carbonate	Intensity	% Chalcopyrite, Mo Sz, Pyrrhotite, Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 PPb	Au 2	Ag PPm	Cu PPm	Zn PPm	Mo PPm
	ANDESITE DYKE CONT'D.				77			0				78.03								
	Upper contact irreg ave ~15-20°																			
	Fine grey-black dyke w/ ~10-15 <1mm wht micro tsp phenos. –				78															
	Lower Contact sharp @ 30°												78.35							
78.35 to 109.87	QUARTZ DIORITE					5 to 10	1-2 / 15 to 20 / 10 to 15 / <2	5 to 6	1 to 2		1 / 9		482609	.65	195		0.5	170	35	17
	Psuedo-Breccia - Texture.																			
	- Quartz diorite has been				79															
	crackled and infilled w/																			
	quartz-carb., some vuggy																			
	textures w/ quartz xtl growth.											97.7	482610	1	1310		1.8	210	33	5
	Po-cpy w/ O.S.F.																			
	78.35 – 82.3 Quartz diorite w/				80															
	15-20% Open space Filling (OSF)																			
	w/ 10-15 qtz, <2% carb,												482611	1.0	30		0.3	100	26	13
	1-2 chl sericite is pers.																			
	altering mafics – strongest near.																			
	qtz-carb-chl O.S.F. up to 20-30				81							81.08								
	over 15-20%. some biot not																			
	completely altered. Po occurs												482612	1.0	95		0.3	132	31	12
	as massive blebs in OSF. CPY																			
	assoc w/ Po near edges.																			
	Po ~ 1-2% overall locally to 3%				82															
	CPY ~ TR.																			
			.4 5																	
	82.3 – 84.4 Section w/ fresh					<5 40	1-2	1			1	95.4	482613	2.0	10		0.3	49	34	23
	biotite. Section does not																			
	display O.S.F. but 5mm – 12mm		.9 Q 7 70		83				1-2		5									
	qtz – veins @ ~3-4/meter.																			
	Two veins display 1-2cm sericite		.35 Q 12 50						TR TR		5									
	altered haloes. Some Fr fills with		.6 Q 6 30						TR		5									
	carbonate – po.		.75 Q 10 65		84				1-2		5.									

Locally to 3a

Locally to 3

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX-90-144
SHEET No 13 of 56
LOGGED BY: G. Norman
DATE: March 12, 1990

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Clegs/Foliat	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	a.V.G.	Size V.G. mm.	% Hornblende	Biotite	Musc./Sweic.	% Chlorite	Epidote	Sericite	Garnet	Quartz Actinolite	Carbonate	Intensity	% Chalcopyrite	MoS2 Molybdenite	Pyrrhotite	Pyrite	Sphalerite	Type Occurance	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 PPB	Au 2	Ag ppm PPm2	Cu ppm	Zn ppm	Mo ppm
	QUARTZ DIORITE CONT'D										84			25	40				1-2				1						1	84.12	*							
	as per 82.3 - 84.4														10				15 to 20		15 to 20	12	5 to 6	TR		1-2			1 9		482614	2	140	184	0.2 .1	61	24	6
	84.4 - 88.7 Quartz diorite w/ ~15% O.S.F w/ 10-15% qtz <2% carb, 1-2% chl, Perv. sericite ~ 15-20% ~ Not all bio is altered to ser. (10%). a large section is @ 88.05 - 88.35. Sections w/ up to 2% dissem Po. Odd Fr coated with MoS2 ie at 87.3										85													TR.					100									
											86																											
															40 10																482615	2	110		0.6	70	32	11
											87																		87.17									
																									TR													
											88																											
	88.7 - 94.45. Mod-strong O.S.F (~20%) w/ 15% qtz, 3% carb, 1% chl, w/ 15-20% perv. sericite altern of bio. Po - 1-2., TR cpy.														30 40 10														98.4	482616	1.	365		0.3	63	34	3
											89				10		1		15		15	3	5	TR	TR	1			9										
	TR of sphal @ 94.1' traces of dissem MoS2' ~ ½% dissem Po. Pervasive sericite alteration of mafic gives rock a cloudy appearance.														to 15				* 20				to 6			to 2.			1		482617	1.0	35		0.2	67	41	6
											90																			90.22								
	Quartz ±tl growth @ 88.9' 89.52.																														482618	1.0	90		0.3	104	30	7
																														96.4								
											91																											

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: Bx-90-144
SHEET No. 14 of 56
LOGGED BY: G. Normow
DATE: March 12, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Clvgx/Foliat	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	a.v.g.	Size v.g. mm	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	Quartz ~~Stromite~~	Carbonate	Intensity	% Chalcopyrite	~~MoS2~~	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm	Mo ppm
	QUARTZ DIORITE CONT'D										91			10			1		15		15	3	5	TR	TR	1			9										
														to					to				to			to			1										
	as per 88.7–94.45.													15					20				6			2						482619	1.0	410		2.8	191	32	7
											92																												
																														96.4		482620	1.0	35		0.3	87	32	25
											93																												
																														93.27		482621	1.0	330		0.4	72	30	3
											94																	TR											
	94.45–99.55. Very similar to above w/ 15–20% O.S.F. w/ 10–15% qtz, < 5% carb. 1–3% chl., PO 1–2 w/ locally splashy heavy PO masses with O.S.F. Traces CPY.													10			1		10		10	15	5	TR		1			9										
											95			to			to		to		to		to			to			1		100		482622	1.0	20		0.3	93	30	10
														15			3		15		15		6			2													
	Overall sericite alteration is ~10–15% & is pervasive being strong adjacent to O.S.F. Odd patch of fresh QD w/ black bio!																															482623	1.0	75		0.4	90	28	19
											96			40												3													
														to												to					96.32	482624	1.0	40		0.2	88	32	26
	mod–str lim @ 95.5.													Local/y												Local/y													
											97																												
																														100		482625	1.0	135		0.5	240	31	16
											98																												

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION :
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PROPERTY : HARRISON LAKE
CORE SIZE :
SCALE OF LOG :

HOLE No. : BX-90-144
SHEET No. 15 of 56
LOGGED BY : G. Norman
DATE : March 12, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	Hornblende	Biotite	Musc./Sericite	% Chlorite	Clay	Sericite	Garnet	Quartz	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks / EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 PPb	Au 2 PPB	Ag PPM PPM2	Cu PPM	Zn PPM	Mo PPM
	QUARTZ DIORITE CONTD as per 9445 – 99.55										98		10 to 15		1 to 3		10 to 15		10 to 15	<5	5 to 6	TR		1 to 2			9 1	100	482626	1.0	35		<0.2	192	28	48
											99																	99.32								
	99.55 – 105.4 Very similar to above w/20-25% OSF w/ qtz – 10-15%, carb ~ 5%, chl < 5%. Mod-wk perv. ser. altern of mafics. adjacent to str. OSF groundmass is also ser. altern, mafics also clay altered. ~ 30% of section w/some fresh bio. ser. ~ 15-20% clay ~ 5. Wide strongly ser. alter'd near OSF. dissem Po to 1-2%.										100				<5	5				5	5	TR		1 to 1½		<½	9 1		482627	1.0	15		0.2	100	27	38
																													482628	2	110		0.3	105	36	13
											101											Locally to 7%		Local splash massive po to 3				100								
											102																	102.41	482629	2	35	137	0.3 .2	72	33	52
											103																									
											104																	100								
											105																		482630	2	30		0.2	86	30	13

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: Bx 90-144
SHEET No 16 of 56
LOGGED BY: G. Norman
DATE: March 1990

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Meters	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Sericite	Garnet	Quartz	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks / EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 PPB	Au 2	Ag PPM	Cu PPM	Zn PPM	Mo PPM
	QUARTZ DIORITE CONT'D as per 99.55 - 105.4										105				<5	5	10		10	5	5	TR		1	<½		9								
																	to		to					to2			1	105.46							
													<10				15		15		5			1					482630	2	30		0.2	86	30	13
																					to						9								
	105.4 - 108.88 Quartz Diorite w/ 15-20% OSF w/ 10-15 qtz. 5% carb. ~5% chl., 10-15 ser. Po ~1% locally w/ large blebs										106										6						1								
											107																	100							
											108																								
																												108.51	482632	2	115		0.5	126	57	4
	108.8 - 109.87 Fresh Quart. Diorite NO OSF. altein or veining. Biotite rich ~45										109		45								0														
											110																								
109.87 to 113.1	HYBRID ZONE Dark matic rich sediment w/ granitic & sedimentary textures. NO OSF. or ser. altein weak Po as dissem & Units. Sediment appears to granitized.												20								0			1			1	96.4							
																											7		482633	2	170		0.6	180	71	2
											111																								
																												111.56							
						.66	C	7	50															1-2	5-10										
											112																								

Locally large blebs & Zem.

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX-90-144
SHEET No. 17 of 56
LOGGED BY: G. Norman
DATE: March 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav/Foliat	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	a.v.g.	Size v.g. mm	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Quartz ~~Dolomite~~	Carbonate	Intensity	% Chalcopyrite	Moly ~~Arsenopy~~	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2 ppb	Ag ppm	Cu ppm	Zn ppm	Mo ppm
	HYBRID ZONE as 109.87-113.1										112				20								0			1						* 482634	2	15	3	0.3 .1	140	52	9
											113																												
113.1 to	QUARTZ DIORITE very similar to previous sections w/ open space filling														15		1		10 to 15		4	4	2 to 3	TR		4	TR		1 9 7	100									
											114														TR TR														
	113.1 – 117.65. Section of very weak OSF <5 with ~ 35% of section w/ fresh biotite. PO <1, TR CPY Traces PY TR MoS2 @ 113.8 & 114.1 as dissem blebs with OSF weak Fr/F w/ carb! po																													114.60	482635	2	45		0.3	78	30	16
											115																												
											116																												
																														100	482636	2	10		0.2	96	35	7
											117																												
	117.65 – 122.5. Increase in OSF ~ 10-15%. Ser is str. adjacent with OSF frag. becoming wk away bio → lt brn. → ser. easily recognizable as once bio. OF OSF w/ 7% qtz 3-5% Carb. <1% cnl. ~ 1-2 ser. within, ~10% adjacent to OSF PO <½ Tr Cpy.																													117.65									
											118				10 to 15		<1		10 to 15		7	3 to 5	3	TR			<½		1 9										
											119																			98.7	482637		10		<0.2	86	29	20

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX-90 144
SHEET No. 18 of 56
LOGGED BY: G. Normen
DATE: March 13, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav/Foliat	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	Veins: Meters	Veins: Size V.G. mm	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 PPb	Au 2	Ag PPM	Cu PPM	Zn PPM	Mo PPM
	QUARTZ DIORITE CONT'D										119				10		4		10		7	3	3	TR		4/2			1										
															to				to			to							9										
	as per 117.65 – 122.5.														15				15			5										482637	2	10		<0.2	86	29	20
											120																			98.7								
																														120.70	482638	2	5		<0.2	80	35	19
											121																												
	122.50 – 129.84. Relatively fresh Quartz diorite cut by qtz – po ; qtz-carb.-po veins weak ser. haloes										122																												
	– Short section 123.2 – 123.7 w/ ~30% O.S.F. 20% qtz, <5 carb, 1-2 chl, Tr py < 1/3 po @ 122.9 qtz (7B) carb(5) - PO(15) (PY(1-2) 3-5 cm w/upper contact @ 50°, lower @ 80° to C.A. 4cm ser. halo upper contact. odd Fr/F w/ po-chl. Chl is perv. but weakly altering mafics ~5% Traces disseminated po ; py																													99.0								
						.9	Q	30/40 50/80		1	123				30					vein	78	5	3	1-2		15			5		482639	2	60		0.6	200	34	11
															5 to 10		1-2		15 to 20		20	<5	5			4/3	TR		1 / 9	123.75								
											124				40		5						2			TR	TR		1									
	Traces disseminated po ; py																														482640	2	20		0.5	104	55	4
						.0	Q	5	70	2	125										98		vein			2.3			5	99.0								
						.3	C	20	60	2.									15			80		vein		TR	3		5									
																											TR		1										
											126																												

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX-90-144
SHEET No. 19 of 56
LOGGED BY: G. Norman
DATE: March 13, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2 ppb	Ag ppm	Cu ppm	Zn ppm	Mo ppm
	QUARTZ DIORITE CONT'D										126			40	5						1						1										
	as per 122.5 – 129.84					.2	Q	10	50										90	5				TR	TR		5	99.0		482641	2	5		0.4	77	52	5
																												126.80									
											127																										
						.03	Q	10	60	1							5		95.								5										
						.43	Q	3	60	1									98.					1	1		5										
											128																										
						.05	Q	20	70	1							5		80	15							5										
																												99.6		482642	1	5		0.3	71	55	6
	129.84 – 131.87. Quartz Diorite w/ OS.F., relatively fresh away from O.S.F.										129																										
	∞ 129.9 – 130.25. strong qtz 80% w/ < ½% Po, TR CPY. frac of ser. QD intensified.																													482643	1	155		0.8	87	54	5
																												129.84									
	∞ 130.5 – 130.7 qtz – 80%, 15% Po, 1% CPY.										130						5																				
	∞ 131.2 – 131.6 w/ 60% qtz, < ½ Po TR PY.													5 to 10	1		to 10		30	<5	5	TR		1 to 2	TR		9			482644	1	220		1.2	304	49	9
	Overall section w/ 30% qtz, <5 qtz. 1-2 Po TR CPY										131																										
																												99.3		482645 131.87	.87	30		0.6	115	40	7
	∞ 131.87 – 132.15 Quartz vein w/ 3-5 Po, 1-2 Arsenopy, 2-3 PY ~5% ser.					.87	Q	280	30 70		132	QUARTZ VEIN					5.				10		1-2	35	2		5			* 482646 132.87	1	2620		8.0	252	53	8
						.3	C py	15	75						15		40				6				30	vein											
						.25	C py	5	65																							2459	4.9				
	Very str ser. halos 20cm uphole side, 40 cm downhole side w/ 2 carbonate py veins, 1 qtz-py vein												10	40	5						0			1			1										
											133																	132.89									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX 90-144
SHEET No 200f 56
LOGGED BY: G. Norman
DATE: March 13 1990

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Clegs/Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Quartz	Carbonate	Intensity	% Chalcopyrite	Molyb	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks Est Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 PPB	Au 2	Ag ppm	Cu ppm	Zn ppm	Mo ppm
	QUARTZ DIORITE CONT'D										133	10	40		5						0			1			1									
																													482847	1.13	30		0.4	97	53	8
	132.45 - 133.64 Fresh Quartz Diorite. w/~ 35 black bio ! 107 wk cle hb. odd Fr/Fw/ 1-2% Po.										134		35		5		5		7	2	2			1½			1 / 9									
																												100	482848	2	15		0.3	132	46	4
	134.64 - 139.6 Weakly altered QD with 5-10% O.S.F. w/ 7% qtz, 2% carb, 1-2 chl. ser ~ 5% after matics. <½ Po										135																									
																												135.94								
	Matics are moderately chloritized in fresher QD sections. Traces disem MoSz. ¼ Py										136																									
																													482849	2	20		0.2	120	40	7
	139.6 - 141.24 Section w/ stringy O.S.F to 30% w/ 25% qtz; 5% ser. Good qtz xH growth @ 139.85 ! 140.6 w/ vuggy O.S.F. Trace disem MoSz										137											TRACE LOCALLY		TR.	TR.			100								
	V. str coarse sericite @ 140.3 w/ OSF. qtz.										138																									
																												138.99	482850	2	5		0.3	104	37	11
											139																									
													20				5 +8		20		4			TR.			9 / 1	98.7								
											140													TR. ½												

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX 90-144
SHEET No. 21 of 56
LOGGED BY: G. Nerman
DATE: March 13, 1990

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Quartz Carbonate	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm	Mo ppm
	QUARTZ DIORITE CONT'D										140		20				5		20		4			TR			9									
	as per 139.6 - 141.24																to 10							to 1/2					482651	2	15		0.3	102	42	10
											141																	98.7								
	141.24 - 145.33 Section mod - weakly altered cut by wk. OS.F. and quart-carb. veining. - Short section/142.25 to 142.6 of BRECCIA - a hint that the Breccia is not far away. with frags of sediment w/chl/carb												40	10							1				TR		1									
											142																	142.04								
												BRECCIA		10					10	5				1/2			9 / 1		482652	2	5		0.3	87	50	6
													30	5	TR	5	TR		<1	<1							9 / 1									
											143																	100								
	OSF. @ 142.7-142.87. QSF. w/ qtz-ep-garnet.-po Fresh QD sediments w/ 10% chl. mafics and Traces dissem py					.9	C	10	30	1	144																									
	Veins @ 143.9 - 1cm qtz(48) carb(46), 1-2 Po trace cpy, 2chl @ 143.5. - quartz-carb @ 143.84 Carb - PO - cpy (59 - 40, - <1).					.5	C	10	80	1																			482653	2	80		0.5	146	52	4
						.84	C	15	60	1	145																	145.08								
	145.33 - 145.52. Basalt DYKES 2-3-4 cm dykes w/ 10% blk augite phenocryst set in a grey-blk aphanitic groundmass. Contacts sharp @ 35° // to a set of frs	35													1		10 to 15		15	1-2	5	TR		2°			9 / 1									
											146													Leg 4%				98.4								
	145.52 - 147.0 Q.D w/ 20% QSF. w/ w/15% qtz. 1-2% carb, 1% ser, 1chl w/2% PO locally to 3-5. Tr CPX @ 146.5 - 3cm Po vein w/ 1% CPY.					.5	PO	30	60	1					Vein.				4			TR		95					482654	2	465		1.1	235	43	12
											147																									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX 90-144
SHEET No. 22 of 56
LOGGED BY: G. Norman
DATE: March 7 / 90

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Quartz	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks	Est. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppm	Au 2	Ag ppm	Cu ppm	Zn ppm	Mo ppm
	QUARTZ DIORITE CONT'D										147			35	25		25		4	1	3			21			9										
	147.0 - 149.1 weakly altered quartz diorite w/ wk O.S.F ~ 5%. wk chl of mafics in fresh sections.										148																1	98.4	148.13	482654	2	465		1.1	238	43	12
	149.1 - 151.18 Relatively fresh QD. w/ OD OSF - qtz - carb - po - cpy. ~ wk chl of hb / bio										149																			482655	2	50		0.4	81	60	8
												10	30		10		25		22	21	2	TR		TR			9	97.4									
											150																1			482656	1	10		0.3	59	52	3
											151																		151.18								
151.18 to 154.6 (logging 151.12)	ANDESITE DYKE. Dark grey - black f-g. andesite dyke. Postmineral except for trace of dissem Po. upper cont sharp w/ 15, lower cont sharp w/ 50°. Unit is very fresh w/ weak fracturing. Some fr. w/ wk lim	15									152										0				TR		1	98.7									
											153																										
											154																										

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ.
LOCATION:
DATE COLLARED:
DATE COMPLETED:

LENGTH:
ELEVATION:
NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: BX 90-144
SHEET No. 23 of 56
LOGGED BY: G. Normand
DATE: March 7/90

METERS FROM-TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Folial	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	a V.G.	Size V.G. mm.	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Quartz Stomatic	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2 ppb	Ag ppm ppm2	Cu ppm	Zn ppm
	ANDESITE DYKE CONT'D										154												0			TR			1	154.23							
	as per before.																						↓			↓			↓								
154.6 to 161.8	BRECCIA.					.6	po	40	65	1									5		60		8			30	5		2		*			16.0		
	154.6 - 155.0					↓	↓	↓	65		155								↓		↓		↓			↓	↓		3.		482754	.4	5240	5007	15.5	3000	260
	At contact w/ dyke is a large qtz-po ± py vein (60:30:5) w/ some coarse ser. & minor sericite frag. (~5). ~ 40 cm.																		20		50		3														
																	10					1	1								482760	1	185		1.2	300	93
											156						45		1		20	45	4	TR		1			9	94.8							
	155.0 - 155.8 Silicified QD 155.0 - 155.2 and large beige sed. frag. 155.2 - 155.8. no breccia OSF appears to be hornfelsed.																		to 2		to 30		to 5			to 2.			1		482761	2	60		0.2	150	92
											157										↓																
	155.8 - 158.9. Moderate breccia w/ frag of sediment and QD to 30 cm. ave <10 cm. Zone is highly silicified w/ 20-30 qtz to 157.0 then 15% to 158.9.																				15									157.28							
											158																										
	Weak chl ~<5% and weak carb <5%, Po as OSF disem. @ 1-2% trace CPY, weak sen 1-2%																														482762	2	25		0.4	130	53
	6 cm Andesite dyke @ 157.0										159										↓		↓							100							
																	1		5		5	1	3	TR		4			9								
	158.9 - 161.8 Predominately Quartz Diorite w/ 5% sedimentary frag. QD w/ wk sericitization of biotite gives bleached look.																to 2				to 8	to 2.				1/2			1								
											160																										
	overall OSF. is ~ 5-10%. 1-2% carb, 1% chl. 5-8% qtz. strongest sen near edges of qtz. OSF. Po as OSF disem odd Fr till Trace CPY																													160.32	482763	2	15		0.4	130	67
											161																			94.4							

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG:

HOLE No.: BX 90-144
SHEET No. 24 of 56
LOGGED BY: G. Norman
DATE: March 7/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Contacts	Bedding	Clegs/Foliat	Faults	Veins Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm
	BRECCIA CONT'D										161				1 to 2		5		5 to 8	<5	3	TR		<1 to 2			9								
	as 158.9 – 161.8																												482763	2	15		0.4	130	67
161.8 to	QUARTZ DIORITE										162										3	TR		1 to 2			9	94.4							
	161.8-167.4 quartz diorite w/ 5%-10% O.S.F. minor sedimentary frag or xenoliths up to 25cm. section 162-162.5 fresh w/ ~40% blk biotite																												482764	1	10		0.2	110	65
											163																	163.37							
	becoming perv. sericitically altered at 162.5 w/ quartz – carb – ser. O.S.F. overall O.5F @ ~10% w/ 8% qtz. 1-2% carb. and 10-15 ser.												40											TR			1		482765	1	15		0.4	400	45
																	10 to 15		8	1 to 2	4	1/4		3 to 5			9 1								
											164																		482766	1	40		0.7	800	43
	as altern of biotite and O.S.F (1-2) Po as massive areas within O.5F. up to 20% locally but overall 1-2% from 163.4 to 164.8 – 3-5% Po w/ 1/4 % CPY																		<5	<1	3	TR		<1				100							
											165																		482767	1	20		0.3	176	55
	Some O.S.F quartz – carb might veins Section similar to Pseudo Breccia of before.																																		
											166																								
																												166.42	482768	1	15		<0.2	114	43
	167.15 – 167.4 Strong qtz open space filling w/ 15% PO, 1% PY, TR CPY										167				5		5 to 10		80	<5	8	TR		15	1		9	100							
																													482769	1	1420		3.3	510	43
											168																								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION :
DATE COLLARED: | NORTHING :
DATE COMPLETED: | EASTING :

PROPERTY : HARRISON LAKE
CORE SIZE :
SCALE OF LOG :

HOLE No. : BX 90-144
SHEET No. 2 of 56
LOGGED BY : G. Normano
DATE : March 7/90

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	B.V.S.	Size V.S. mm	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Quartz	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks / Est. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppm	Au 2	Ag ppm	Cu ppm	Zn ppm
	QUARTZ DIORITE										168						2.		20		5	1	3	TR		1	TR		9								
																					to		to			to			1								
	167.4 - 173.4																				8		4			2											
	Pseudo Breccia. - Not true breccia only odd frag of Sediments (?) ~5-10% mod-/str perv. sericite altern of matrix, short section of relatively fresh QD (171.1 - 171.6)										169																			100							
	overall w/ 5 to 10 O.S.F. w/ 5-8% qtz, 2% chl, 1% carb, 1-2 Po. w/ TR. CPY, locally w/ O.S.F to 15% Po, 1% PY, ½ CPY - chl-ser mixture in O.S.F.										170																			169.47							
											171																			99.3							
															30				1-2				0				TR		1								
																	2		20		5	1	3	TR		1	TR		9								
											172										to		to			to			1								
																					8		4			2											
																														172.52							
	173.2 - 173.4. Str Po near. replaced 1st bed, to 10% Po ½% CPY ! v. str perv. ser ~ 50%										173								50																		
																			50			2		1/4		10			3a								
																					74		9			25			12								
173.4 to 175.5	Massive - SEMI MASSIVE SULPHIDE / LIMESTONE Replacement of Limestone bed										174								1		40	30								100							
	173.4 - 174.5 Po - 25% - CPY 1%																																				
	173.4 - 173.8 w/ 74% qtz. Sem. Massive																																				
	173.8 - 174.5. ~ 80% Carb 4% qtz, 1% ser - well banded																																				
	174.5 - 175.3 Po - 60% 2% CPY 35% qtz 3% carb. Massive Sulphide										175										35	3	9	2		60			14								

FROM SAMPLE No. TO	Sample Length	Au 1 ppm	Au 2	Ag ppm	Cu ppm	Zn ppm
482770	1.0	35		<0.2	135	40
482771	1.0	10		<0.2	143	43
482772	1.0	<5		<0.2	130	39
482773	1.0	35		0.2	100	44
* 482774	1.0	1550	1414	3.0 / 2.4	154	48
482775	1.0	45		0.5	1100	46
482776	1.0	45		0.5	1460	64

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH:
LOCATION: | ELEVATION: | PROPERTY: HARRISON LAKE
DATE COLLARED: | NORTHING: | CORE SIZE:
DATE COMPLETED: | EASTING: | SCALE OF LOG:

HOLE No.: BL 90-144
SHEET No. 2b of 56
LOGGED BY: G. Norman
DATE: March 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Quartz	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm
	MASSIVE SULPHIDE CONTD										175								35	3	9	2		60			11	100							
	as before 174.5 – 175.3.					3	Q	200	30								3		97					TR			1	175.56	482777	1.0	30		0.6	700	50
	175.3 – 175.5 QUARTZ VEIN																							TR											
175.5 to	w/ tr po. 1-3% ser.										176																								
176.0															5				5		3	TR		3			9								
176.0 to 176.85	QUARTZITE																		to								1								
	bedd @ 70, possibly frag?																		10										482778	1.0	10		0.3	420	55
	BRECCIA.																																		
	Mod-str silicified breccia										177																								
176.85 to 182.0	w/ frag of QD! sediments.																5							½			1	91.8							
	Qtz ~ 5-10, chl 5. Po ~ 3%																to																		
	w/ large O.S.F. massive patch																10												482779	1.0	5		0.6	123	48
	at 176.4. (15%).																																		
						.0	Po Qtz	100	70	1	178						1-2		42	5		1		40			3a								
	QUARTZ DIORITE																							½											
	Irregular weak sericite																																		
	pervasive alteration to 179																											178.61	482780	1.0	5		0.3	210	62
	179 – 182.0 mod-weak sericite																5																		
	alteration of mafics.										179						to																		
	2. semi-massive Po veins					.3	Po Qtz	200	65	1							10		48			1-2		40			3a								
	– qtz at 178.0 (10cm) &																																		
	179.3 (20cm).																							½			1		482781	1.0	420		1.2	460	52
	179.8 – 180.0 weak OSI=										180								5		<5							100							
	qtz carb.																																		
	and 180.8 – 181.1																												482782	2.0	15		0.3	125	69
											181								5		<5														
																												181.66							
											182																	88.5							

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX 90-144
SHEET No. 27 of 56
LOGGED BY: G. Normano
DATE: March 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	~~Quartz~~ Albite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2 ppb	Ag ppm ppm2	Cu ppm	Zn ppm
182.0 to	BRECCIA.										182				5		20		10	<5	7	½		3			9								
																								to			1								
	182.0 – 184.0 Moderately																							5					482783	1.0	110		0.5	270	64
	brecciated w/ frag of sediment																			locally to 15															
	<QD to 12cm. w/ ~15-20										183																								
	'OSF of predominately qtz																							10											
	~10% <5 carb, str ser. altern																											88.5	482784	1.0	10		0.4	520	51
	of QD frag. to 20%.																																		
	Po overall. 3-5. w/ ½% CPY.																							3											
	locally Po 10% to 183.2 to 183.4										184													+5											
	str Carb w/ 183 to 15%														10		10		10	30		<1		30	<1		12								
	184.0 – 184.8 Semi Massive Sulphide																to					70													
	Strongly replaced																20												482785	1.0	10		0.4	940	55
	sediment – probably calcareous																											184.71							
	laminated, w/ 30% po <1 py										185				<5		10		5	<5							9								
	& <1 to CPY w/ ~ 30% carb.																to							1			1								
	~20% ser 10% chl ~ 10% qtz																20							to											
																								2					482786	1.0	5		0.3	215	72
	184.8 – 186.06 Breccia w/ 10-15%																																		
	OSF. – str perv. ser. altern										186																								
	of QD. Large QD frag. 184.8 to					.06	Q	230	65							tr	<1	TR	93			TR		5	TR		4	100							
	185.2. str ser. atends as well							↓	↓															7			5								
	sed. frag. 185.5 – 185.63.																												482787	1.0	<5		0.2	186	47
															1		5		10	2½		TR		1			9								
	186.06 to 186.43 Quartz Vein										187													to			1								
	w/ 5-7% po, tr cpy & py minn.																							2				187.15							
	garnet. & trace sp																												482788	1.0	5		0.3	288	46
																								3-5											
	186.43 – 189.3 Weak open																																		
	space filling ~ <15 w/ many										188																								
	sedimentary frag from 10-40cm.																							locally				100	*						
	Some frag of intrusive are sericitically																												482789	1.0	5		0.3	174	87
	altered. Some are not. Frag of sed.																																		
	are grey-brn w/ fine bio-hornfels													5	(				<5					TR								4	.4		
	(Continue next page.)										189																								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH:
LOCATION: | ELEVATION: | PROPERTY: HARRISON LAKE
DATE COLLARED: | NORTHING: | CORE SIZE:
DATE COMPLETED: | EASTING: | SCALE OF LOG:

HOLE No.: Bx. 90-144
SHEET No. 28 of 56
LOGGED BY: G. Norman
DATE: March 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	B.V.S.	Size V.S. mm	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	Quartz Stromatic	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks Est. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm
	BRECCIA CONT'D										189				5											TR											
																	45		20		15 to 20	5	7	TR		3 to 5			9 1							
	186.48 – 189.3. Open space filling w/ qtz-carb-chl. overall – qtz 10%, carb <2½																40						3							100							
	chl <1%. PO. overall is 1-2 but locally within										190																			190.20							
	OSF. to 3-5%. Breccia contains some felsic material which																5		20		25	10	3	TR		3 to 5			9 1	100 190.40							
	appears to matrix in part. Large sed frag 188.75-189.2.										191						1		10 to 20		1					1/2			1								
	189.3 – 200.25. Weak brecciation with large fragments of Quartz										192																										
	diorite and sediments, Quartz diorite frag are mod.-weak altered																						0														
	away from edges where there is														40																						
	some sericite altern.																5 to 10		15		10 to 15	5	7	TR		2			9 1	100.6							
	189.3 – 189.5 Str breccia 'OSF.										193																										
	189.5 – 190.2 Large hornfels. sed. frag no. OSF w/Chl. vein – str perv. chl.																																				
	190.2 – 190.8. Breccia w/ strong ser. altern mod.																													193.85							
	carb (10%) ~5 chl. 3-5%										194																										
	PO – Tr cpy																																				
	190.8 – 192.2 Large QD frag w mod-str ser. perv. of biot.																																				
	192.3 – 192.6 Rel. fresh QD w/										195						5		15		25	5	3	TR		1			9 1	98.7							
	~40 bio.																																				
	192.6 – 194.65. Strong bxw/ 25-30 OSF w/ 10-15 qtz, 5-10 chl, 5 carb																																				
	sed frag – str silica – QD str ser.														40								0														
											196																										

FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm
482790	2	50		0.4	385	89
482791	2	5		0.2	117	56
482792	2	<5		0.2	180	49
482793	2	5		0.2	183	61

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ.
LOCATION:
DATE COLLARED:
DATE COMPLETED:

LENGTH:
ELEVATION:
NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: BX 90-144
SHEET No. 29 of 56
LOGGED BY: G. Normans
DATE: March 7, 1990

METERS FROM-TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	QZ Albite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm
	BRECCIA CONT'D										196				5		<5		<5	5	3	TR		1			9									
	as per 189.3 - 200.25																										1	98.7		482793	2	5		0.2	183	61
	194.65 - 200.25 large frag.										197																	196.9								
	of sed & QD 15-30cm.																													482794	2	5		0.2	177	66
	QD relatively fresh from																																			
	195.5 - 196.0.																																			
	overall open space filling 5-10																																			
	predominate OSF minerals are										198																									
	carb, chl. are strong at.																																			
	194.65 & 196.15.																																			
	overall Po ~1% w/ Tr																											97.7								
	CPY.																																			
	overall qtz <5, carb 5!										199																									
	chl ~ 5!																																			
	200.25 - 205.95 weakly brecciated																													482795	2	<5		0.3	129	65
	w/ 50% QD & sediment fragments																																			
	from 5-20cm (ave ~10). QD																											199.95								
	frag have ser. halos. up to										200																									
	4cm w/ relatively fresh bio																																			
	in centers. Overall OSF is ~														10		10		<5	10	3	TR		1			9									
	20% w/ ~10% chl, 10% carb <2%																							to			1									
	qtz interstitial & <5 overall w/ perv.																							2												
	altern. perv. sericite ~ 10%.										201																	100								
	sed. frag. are somewhat hornfels																													482796	2	5		0.5	85	67
	w/ brn.-grey colora tion, fol/bedding easily observed.																							<1												
	Po from 200.25 - 201.2 is 1-2%.																																			
	& 201.2 - 205.89 is <1 Po., TR CPY																											202.0								
	throughout										202																									
											203																	203.0								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION :
DATE COLLARED: | NORTHING :
DATE COMPLETED: | EASTING :

PROPERTY : HARRISON LAKE
CORE SIZE :
SCALE OF LOG :

HOLE No. : BX 90-144
SHEET No. 3 D of 56
LOGGED BY : G. Norman
DATE : March 8, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 PPb	Au 2	Ag PPm	Cu PPm	Zn PPm
	BRECCIA CONT'D										203				10		10		45	10	3	TR		4			9									
	as 200.25 – 205.95.																										1		75.5	482797	2	5		0.3	62	60
											204																									
											205																			482798	2	<5		0.2	76	66
	205.95 – 206.95. Breccia w/ 30-40% O.S.F. w/ 15 chl, 15 carb <5% qtz., From 205.95 – 206.5 PO – Trace. from 206.5 – 206.95 – 1-2 PO w/ TR CPY.										206				15		<5		<5	15	4 to 5	—		TR			1		206.04							
																						TR		1 to 2			9 1									
											207						15				1			TR			1									
	206.95 – 208.25. Quartz Diorite Lower contact w/ sediment. preserved at 25°. QDis altered by sericite on edges from 206.95 – 207.5 very weakly. 208.1 – 208.2.	25									208		30				<5				0							100	482799	2	<5		0.5	80	56
													25				5										1									
	208.25 – 211.5. Breccia w/ predominance of sed frag, up to 25cm. overall OSF at 25-30% w/ 15% chl, 5 carb ~10% qtz & 15% perv. ser.														15		15		10	5	6	TR		4			9 1									
											209																		209.09							
																													96	482800	2	<5		0.5	108	82
											210																									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG:

HOLE No.: BX 90-144
SHEET No. 31 of 56
LOGGED BY: G. Norman.
DATE: March 1/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts, Bedding, Cleav./Foliat., Faults	Veins: Metres, Type, Thickness mm, Angle	Intensity	Meters	B.V.G.	Size V.G. mm	% Hornblende, Biotite, Muss./Sweic.	% Chlorite, Epidote, Sericite, Garnet, Quartz Dolomite, Carbonate	Intensity	% Chalcopyrite, MoS2, Pyrrhotite, Pyrite	Sphalerite	Type Occurence	Meters Blocks / EST. Core Rec.	ASSAY FROM TO	Sample Length	Au 1 ppb	Au 2	Ag ppm ppm2	Cu ppm	Zn ppm
	BRECCIA.				210				15 15 10 5	6	TR 1		9								
	as per 208.25 - 211.5										to		1								
											2				482800	2	<5		0.5	108	82
					211																
Start Logging G. Norman.	211.5 - 215.65.													96							
	Med grey Breccia w/frag																				
	of. Sediments, intrusive Total								15 20 15 5	6	TR TR 1		9		482801	1	5		0.5	128	66
	open space filling ~20-25%				212				tr		tr		1								
	w/ ~15% chl., 5% Carb.								25		2			212.14							
	5% qtz Intrusive frag from 4cm																				
	are str ser. alter. some frac														482802	1	5		0.5	138	64
	are pass. silicified. w/ ser ~20-25																				
	+10 qtz as pass. altern. Frag.				213																
	size is ~3-10cm., Trace MoS2.																				
														102	482803	1	<5		0.5	134	72
					214				TR												
															*						
															482804	1	<5	1	0.2 .1	147	54
					215																
														215.19							
	215.65 - 216.4 Relatively																				
	fresh QD w/4cm of Ser.														482805	1	<5		0.2	79	61
	altern of mafic at. edge of frag.																				
	add large phenocryst of Hbl altered chl'ized				216		30	20	12	1											
	216.4 - 217.0													96							
	as per 211.5 - 215.65.																				
									15 20 15 6		1		9		482806	1	<5		0.3	72	68
											tr		1								
					217				25		2										

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX 90-144
SHEET No. 32 of 56
LOGGED BY: G. Norman
DATE: March 1/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Quartz ~~Albite~~	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 PPb	Au 2	Ag PPm	Cu PPm	Zn PPm
	BRECCIA CONT'D.										217				<5		<5		<5	<5	3			TR			9								
	217. – 222.8 overall breccia except for large QD frag w/.																							to											
	~35. Open Space Filling (OSF)																							<1				96	482807	1	5		0.3	110	68
	w/ 15% chl, 10% – carb 5%, qtz										218				15		20		5	15	6														
	some perv. carb ~5% ser																											218.24							
	altern of frag ~ 20%																					TR		2					482808	1	5		0.2	156	59
	217. – 217.65 wk breccia																							to											
	large frag of red QD										219													3											
	weakly altered.																												482809	1	10		0.2	240	49
											220																	98							
	220.0 – 220.75 Large QD frag.											30	20																						
	w/ fresh bio / hb. wk ser altern																												482810	1	5		0.3	92	64
	near edges of frag.																																		
											221				15						6	TR		<1			9								
																								to				221.28							
	222.8 – 228.45.																20		5	15				1					482811	1	10		0.2	83	60
	O.S.F ~ 40-45% w/																																		
	qtz ~ 20%, chl 15% carb 2-5.																																		
	ser 5%. except for large										222																								
	hornfelsed sediment frag.																																		
	225.86 – 226.9.																																		
	Sericite altern is also perv.																												482812	1	10		<0.2	190	79
	in frag to 15%.																											98							
	Most frag. are <10cm.										223								20	<5				1											
	ODD fresh felsic intrusive																							to											
	frag ~10cm.																							2					482813	1	10		0.3	198	53
											224																								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH: | ELEVATION: | NORTHING: | EASTING:

LOCATION:
DATE COLLARED:
DATE COMPLETED:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: BK 90-144
SHEET No. 33 of 56
LOGGED BY: G. Norman
DATE: March 1/2/90

METERS FROM-TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts, Bedding, Cleav./Folial, Faults	Veins: Metres, Type, Thickness mm, Angle	Intensity	Meters	% Hornblende, Biotite, Musc./Serit.	% Chlorite, Epidote, Sericite, Garnet, Quartz Carbonate, Carbonate, Intensity	% Chalcopyrite, Arsenopy, Pyrrhotite, Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm ppm2	Cu ppm	Zn ppm
	BRECCIA CONT'D.				224		15 20 20 25 6	TR 1		9								
	95 per 222.8 – 228.45.							1 to 2		1	224.33	482814	1	<5		0.2	126	58
					225						95							
								Locally 3				482815	1	<5		0.2	127	64
	Large Sediment frag. + hornfels				226		5 3			9								
	wk. OSF. – tuffaceous w/											482816	1	5		0.2	110	85
	<1mm. flattened frag.																	
					227		15 20 20 25 6	TR 1		9								
								to 2		1	227.58	482817	1	10		0.2	110	61
					228													
	228.45 – 230.4						15 15 10 5			9		482818	1	<5		0.2	70	52
	overall OSF ~ 20-30°						to to	1 to		1								
	w/ 10% qtz, 15% chl, 5% carb				229		20 20 5	2			99							
	sar ~ 15-20% is perv. with											482819	1	<5	19	0.3 .1	91	55
	frag. stronger with intrusive frag.																	
	large quartz xHS at 128.7 to																	
	5x4cm. Relatively fresh intrusive																	
	frag 128.8 – 129.1, some felsic				230		20 20 7											
	intrusive frag.						20	L1			230.42	482820	1	<5		0.3	127	55
	230.4 – 234.02. More strongly altered						25				93							
	than above but less sulphides.																	
	~ 60% OSF w/ chl ~ 20-25, carb																	
	5-10 str sar of some frag, qtz ~ 20				231													

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX 90-144
SHEET No. 34 of 56
LOGGED BY: G. Norman
DATE: March 2/90

METERS FROM-TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Quartz	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks / EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm
	BRECCIA CONT'D. as before as 230.4-234.02										231				20		15		20	5	7	TR		<1			9								
															t		t										–								
															25		20										1		482821	1	15		0.2	113	47
											232																	99							
											233																		482822	1	100		0.3	86	65
																												233.48							
																													482823	1	5		0.2	76	51
	234.02 – 234.33 Large sed frag wkly bedded. lt grey. w/ v. f. dissem py ; w/ ser-clay-chl. altern.										234				5		10		5	–	3			1			1								
	234.33 – 235.3. Breccia w/ frag ~2-5cm, str chl ~15%, qtz 5-10 carb < 5%. as OSF; ser 5 OSF, 10 ppm.														15		15		5 t 10	5	7	TR		TR t <1			9 1		482824	1	5		0.2	82	74
											235																	93							
	235.3 – 236.5. Large QD frag. w/ upper cnd. to 235.9 w/ str ser. Small fault at 235.9 w/ 5cm gouge. Remaining portion of frag relatively fresh.				60						236		– – – 30				30 – – – 20				3 0								482825	1	200		0.2	63	52
																												236.52							
	235.3 – 237.93 Str Breccia w/ 30-35 OSF as per 234.33 – 235.3. some relatively fresh felsic intrusive frag. the QD frag have str ser altern of mafics.										237				15		15		5 t 10	5	7	TR		TR t <1			9 1		482826	1	5		0.3	68	68
																												99							
											238																		482827	1	<5		0.2	82	57

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION :
DATE COLLARED: | NORTHING :
DATE COMPLETED: | EASTING :

PROPERTY : HARRISON LAKE
CORE SIZE :
SCALE OF LOG :

HOLE No. : BX 90-144
SHEET No. 35 of 56
LOGGED BY : G. Normoni
DATE : March 2.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts, Bedding, Cleav./Folial, Faults	Veins: Metres, Type, Thickness mm, Angle, Intensity	Meters, V.G., Size V.G. mm.	% Hornblende, Biotite, Musc./Seric.	% Chlorite, Epidote, Sericite, Garnet, Quartz, Dolomite, Carbonate, Intensity	% Chalcopyrite, Arsenopy, Pyrrhotite, Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm	ppm
	BRECCIA CONT'D			238	5	1												
	Large hornfels frag. cont'd.				tr													
	237.93 – 239.03				10					99	482828	1	5		0.2	88	48	
	239.03 – 245.45			239														
	Mod-str Brecciated. w/					15 30 10	5 5 TR TR		9									
	str chl. infilling! pow. ser.						tr tr			239.57	482829	1	5		0.2	69	60	
	altern. ~40% O.S.F.						10 6 L1											
	~15% chl																	
	~10% qtz.			240														
	5-10 Carb locally to 20%.					locally to 20					482830	1	<5		0.2	78	72	
	Most frag are sediment																	
	w/ str. pow. sericite.																	
	Frag size ~ < 10cm.			241														
										100	482831	1	<5		0.2	54	98	
				242														
										242.62	482832	1	<5		0.2	52	54	
				243														
										99	482833	1	<5		<0.2	52	45	
				244														
											482834	1	5		0.2	57	84	
				245														

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG:

HOLE No.: BX 90-144
SHEET No. 36 of 56
LOGGED BY: G. Norman
DATE: March 2/90.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts, Bedding, Cleav./Foliat., Faults	Veins: Metres, Type, Thickness mm, Angle, Intensity	Meters	% Hornblende, Biotite, Musc./Sericite	% Chlorite, Clay/Epidote, Sericite, Garnet, Quartz/Dolomite, Carbonate, Intensity	% Chalcopyrite, Arsenopy, Pyrrhotite, Pyrite	Sphalerite	Type Occurence, Meters Blocks, EST. Core Rec.	ASSAY: FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2 g/t	Ag ppm g/t 1 g/t 2	Cu ppm	Zn ppm
	BRECCIA. CONT'D			245		15 30 10 5	5 TR Tr		9			g/t				
						↓ ↓ ↓ 10	t 6 <1		1	99						
	Altered breccia as per									245.67						
	239.03 – 245.45.				5		1									
				246			t									
	245.45 – 248.72. Grey.						2									
	sediment – tuff? Mod hornfels.													6.0		
	– bedding @ 60° to C.A. cut		.5 Q 10				TR 60 1		3	482836	1	3530		6.5	274	112
	by veins @ ∥ 246.5. Po ~60%															
	CPY TR, PY ~ 1%. qtz 3%			247								3.29	4.03	6.0		
	@ 247.2 – 247.43 – qtz, 1% PO															
	TR PY, TR CPY		.2 Q 23 80 1			99 7	TR 1. TR		4	99						
						5										
					5					482837	1	85		0.7	92	110
												0.10		0.3		
				248												
						t 2										
										482838	1	40		0.7	115	78
										248.72						
	248.72 – 249.6. Breccia.			249		15 15 20 15 5	TR 1%		9			0.03		0.3		
	similar to before.		.1 Po 40 55 1			t t <1	98 1		1							
						20 6	TR 1%			482839	1	435		0.7	152	64
	249.6 – 250.15 Grey sediment.					– <5 – <5						0.41		0.7		
	no breccia tr w/ carbonate			250												
	ser. – possible some clay					Sedimentary frag										
	altern of matrix					15 20 15 15	TR <1		9	101						
						t t	t		1	482840	1	400		1.3	220	56
	250.15 – 254.5. Breccia.					30 20	1					0.34		1.4		
	w/ 40% OSF. ~ 15% chl, 15 qtz			251												
	15 carb. str ser. perv. of frag 20-70						Locally 5%									
	Carb perv. ∥ fracturings.															
	Fault zone – 251.9 – 253.95.									482841	1	615		1.6	280	44
	str broken rock – gouge.	.9 fr. 45°								251.76						
	252.0 – 252.2. w/ str carb.			252								0.58		1.0		

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: Bx 90-144
SHEET No. 37 of 56
LOGGED BY: G. Normoni
DATE: March 2/90

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Contacts	Bedding	Clegs/Foliat.	Faults	Veins Metres	Type	Thickness mm	Angle	Intensity	Meters	B.V.G.	Size V.G. mm	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm gr/t	Cu ppm	Zn ppm
	BRECCIA CONT'D.										252						15		20		15	15	5	TR		<1			9				9tr					
	as per 250.15 - 254.5.																		tr			tr	tr			tr				100	482842	1	1510		3.1	186	48
																			30			20								252.98			1.44		3.1		
											253																			97 253.29							
																															482843	1	1400		2.8	152	65
																																	1.20		4.1		
											254																			99							
	254.5 - 258.9 Strongly brecciated																														482844	1	45		0.3	76	47
	well altered ~0SF ~40-50%																		15		10					<1	TR			254.81							
	w/ chl ~15%, carb ~15-20,																		tr		tr						tr							0.07		0.3		
	qtz - 10-15, ser. 15-20.										255								20		15						1											
	258.9 - 259.6 QD frag.																														482845	1	<5	-	<0.2	50	69
	frag. - str ser. altered at																																<0.03		0.3		
	edges. fresh 259.0-259.15.										256																										
																														100					7.5		
																															482846	1	4120	4.53	7.5 8.0	184	46
																																	3.84				
											257																										
																														257.86	482847	1	260		0.6	61	47
																																	0.31		0.7		
											258																										
																														94	482848	1	20		0.2	81	47
											259																						0.03		0.3		

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX 90-144
SHEET No. 38 of 56
LOGGED BY: G. Norman.
DATE: March 2/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Folial	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks	EST. Core Rec.	ASSAY: FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm
	BRECCIA CONT'D.										259						<5		<5	1	1															
	258.9 – 259.6 QD freq. str ser. altered at edges fresh 259.0 – 259.15.					.4	Q	10			260											TR		1	1		5	94		482849	1	2610 2.33		4.6 5.1	163	63
	259.6 – 259.85 Sed freq.														15 tr 20		5 tr 10		5 tr 10	15 tr 20	7	TR		TR t <1			6 9 1			482850	1	35 0.03		0.2 0.3	74	59
	259.85 – 263.65. Strongly altered breccia w/ 35-40 O.S.F. Chl – 15-20, Carb 15-20, qtz 5-10					.3	Po	20 30	50	1	261											<1 TR		98 TR t <1	1		6 9	260.9		482851	1	4060 4.11	4.88	7.5 8.9 8.5	248	38
											262																	100		482852	1	490 0.45		0.9 1.0	127	49
	263.65 – 265.1 Quartz Diorite freq. fresh except for 5-10 cm. ser. halo at edges										263																	263.96		482853	1	15		0.2	69	49
	265.1 – 270.8. Relatively consistently brecciated rock w/ 30-40% O.S.F. w/ 15-20% chl, 5-10% carb, 5-10% qtz.										264		20		20						D									482854	1	55		<0.2	60	61
											265																	100		482855	1	10		<0.2	75	37
											266				15 tr 20		15 tr 20		5 tr 10	5 tr 10	7	TR		TR t 1/2			9 1								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ.
LOCATION:
DATE COLLARED:
DATE COMPLETED:

LENGTH:
ELEVATION:
NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: BX 90-144
SHEET No. 39 of 56
LOGGED BY: G. Norman
DATE: March 2/90

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm
	BRECCIA CONT'D										266				15		15		5	5	7	TR		TR			9								
															tr		tr		tr	tr				tr											
	as per 265.1 - 271.5														20		20		10	10				2				100	482856	1	10		<0.2	64	38
											267																	267.00							
																													482857	1	5		<0.2	79	58
											268																								
																												98	482858	1	5		0.5	82	43
											269																								
																													482859	1	<5		0.6	45	87
											270																	270.05							
																													482860	1	<5		0.5	59	44
											271																								
	271.5 - 272.7 Weak Brecciation w/ sed. frag up to 30cm. sed frag w/ v.f. sen, trace po.														✓		✓		✓	✓	✓	✓		✓			✓	100	482861	1	5		0.6	76	48
																	5				2			TR			9								
											272																1								
																	✓				✓			✓					482862	1	<5		0.5	64	63
																	5		10	10															
											273				25		10		15	15	7	TR		TR	TR										

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX 90-144
SHEET No. 40 of 56
LOGGED BY: G. Normen
DATE: March 2/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Quartz	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2 g/t	Ag ppm g/t	Cu ppm	Zn ppm
	BRECCIA CONT'D										273				25		5		10	10	6	TR		TR	TR		9	273.10			9/t				
																	t		t	t	t						1								
	272.7 – 274.0 Strong Brecciated																10		15	15	7								482863	1.0	<5		0.6	50	48
	rock w/ 50–60% O.S.F.																																		
	w/ chl ~ 25%, carb - 10–15%										274																								
	qtz - 10–15 %, Sph 5.														5				20		6	TR		1											
															To		5		t					2											
	274.0 – 276.0 More siliceous														10				30										482864	1.0	10		0.6	80	46
	section w/ up to 20 to 30 qtz.																																		
	frag. size ~ 3cm.										275																	97							
																													482865	1.0	30		0.3	47	49
	276.0 – 276.53. Massive										276																								
	Pyrrhotite Vein.																				8							276.15							
	– becomes quartz rich at																					1		98	1							15.0			
	276.45. 276 – 276.3 the								30										60					38					482866	1.0	5930		15.4	2700	72
	sulph is brecciated. – w/ 1% CPY														5		5		25	5	7	TR		5	1		9				5.55	5.93	18.0		
	1 1% PY w/ sharp lower contact										277				to					t		t					1									
	@ 30 to C.A.														10					10		Locally to 1/4		10											
	276.53 – 277.9 Breccia w/																											88	482867	1.0	3240		6.5	800	35
	str heavy Po OSF. w/																														3.15		7.2		
	Po 5% locally to 10%										278																								
	O.S.F ~ 30%–40% w/ qtz 25%														15		5		10	5	6	TR		TR			9								
	1 chl 5–10% – qtz ~ 40														t		t		t	t	t						1								
	from 276.53 to 277.10														20		10		15	10	7								482868	1.0	100		0.6	290	38
	~ CPY TR – 1/4 1 locally to 1/4					.7	Po	30	60													TR		99	TR						0.14		0.3		
											279													TR												
	277.9 – 280.4 strongly brecciated																											279.20							
	rock w/ frag ≤ 5cm.																																		
	w/ qtz – 10 to 15 chl – 15–20																											102	482869	1.0	30		0.2	56	44
	carb 5–10, Po vein @ 278.7																																		
											280																								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX-90-144
SHEET No. 41 of 56
LOGGED BY: G. Norman
DATE: March 3/90

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Cleav/Foliat	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Carbonate	Intensity	% Chalcopyrite	Pyrrhotite	Pyrite	Sphalerite	Type Occurance	Meters Blocks EST. Core Rec.
	BRECCIA CONT'D										280				15		5		10	5	6	TR	TR		9	
	∞ per. 277.9 - 280.4														20		10		15	10	7				1	
															5		5		20	45	6	TR	TR		9	
	280.4 - 281.85														TR		TR								1	
	Strongly brecciated w/frag										281				10		10									102
	<5cm, 0.5F ~ 35%																									
	w/ qtz - 20%, chl 5-10%.																									
	Carb <5																									
	281.85 - 283.2. Psuedo Breccia										282				1		<5		20	5	4			TR	9	282.24
	Str quartz-carb (20-5%)																									
	w/ open space vuggy infilling																									
	qtz crystals - 100% grey sed.																									
	frag. - w/ clearly visible sed. bedding																									
	frag not alter'd, also some frag of										283															
	sed in OSF. qtz-carb.														<1							TR	TR		9	
	283.2. - 287.6 Moderately brecciated.																		15				TR		1	
	sedimentary rock w/ odd quartz																						<1			100
	diorite frag ie one at 283.4										284															
	relatively fresh, sed frag w/ alter'd.																									
	O.S.F ~ 20% w/ qtz ~ 15																									
	carb ~ 5% ; chl <1																									
	Trace Mosz ∞ 287 - rims a																									
	frag w/ str qtz.										285															285.29
											286															100
											287											TR				

ASSAY: FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm
482870	1.0	415		0.2	54	40
482871	1.0	430		0.9	143	35
482872	2	85		0.3	64	34
482873	2	255		0.8	170	29
482874	2	15		<0.2	64	30

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX 90-144
SHEET No. 42 of 56
LOGGED BY: G. Norman
DATE: March 3/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts, Bedding, Cleav./Foliat., Faults	Veins: Metres, Type, Thickness mm, Angle, Intensity	Metres	% Hornblende, Biotite, Musc./Seric.	% Chlorite, Epidote, Sericite, Garnet, Quartz, Carbonate, Intensity	% Chalcopyrite, Arsenopy, Pyrrhotite, Pyrite	Sphalerite	Type Occurrence	Meters Blocks / EST. Core Rec.	ASSAY: FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm
	BRECCIA CONT'D			287		4 / <5 / 15 / 5 / 4	TR / TR / TR		9		482874	2	15		<0.2	64	30
	287.6 – 293.0 Moderately Brecciated grey well bedded sediment (siltite) w/edd intrusive frag. frags usually <5 cm but up to 25 cm. Total OSF ~ 30% w/. qtz-15-20 some vuggy xtl growth, carb ~ 5% chl <5, ser < 2%.			288		<5 / <2 / 15 to 20 / 5 / 4				100 / 288.34	482875	2	<5		<0.2	56	26
				289													
				290						100	482876	2	15		<0.2	104	33
				291						291.39							
	293.0 – 298.7 Mod-str. brecciated w/ 15-25% O.S.F. Fragments w/ bleached appearance due to pers. silica. O.S.F – w/ 10-15% (+10 pers.) qtz <5 carb, <5% chl, PO TR-1% locally 1-2' up to 3, TR-1% PY, TR Cpy locally to 1/10 Large blebs of PO as OSF. Minor Trace of MoS2 w/ quartz. Sections of 20-30 cm w/ NO O.S.F.			292							482877	2	45		0.2	124	39
				293		<5 / 5 / 20 to 25 / <5 / 5 / TR to 10	TR to 1 / TR to 1	TR to 1		100							
				294													

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: Bx 90-144
SHEET No. 43 of 56
LOGGED BY: G. Norman
DATE: March 3/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts, Bedding, Cleav./Foliat., Faults	Veins: Metres, Type, Thickness mm, Angle	Intensity	Meters	% Hornblende, Biotite, Musc./Seric.	% Chlorite, Epidote, Sericite, Garnet, Quartz Dolomite, Carbonate	Intensity	% Chalcopyrite, Moly, Pyrrhotite, Pyrite	Sphalerite	Type Occurrence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2 ppb	Ag opm ppm2	Cu ppm	Zn ppm
	BRECCIA CONT'D				294		L5 5 20 L5 4 TR TR TR				9			↑	g/t				
	as per. 293.0 – 298.7.						tr tr tr												
							25 1 1				1	294.44	482878	1	35		0.4	85	40
					295									↓					
														↑					
									Locally to 1% Minor Moly				482879	1	35		0.4	110	27
					296									↓					
												100		↑					
													482880	1	35		0.5	230	29
					297									↓					
														↑					
												297.48	482881	1	40		0.5	220	31
					298									↓					
	298.7 – 299.65. Sed. frag. – Prossibly tuffaceous w/ chloritic silicebus bands @ ~65° to C.A. ~ 10% ch ! 1% dissem Py.												482882	1	35		0.5	155	41
					299		10 — — — — — 1 —				1			↓					
												100		↑					
	299.65 – 303.0 Breccia. w/ str. qtz. infilling – 15-20 locally to 40%, chl – 5-10% carb L5, ser ~ 20% – strong								2				482883	1	70		0.7	130	52
														↓					
					300		5 20 15 L5 1/10 2 1/2				9			↑					
	perv. ser. of intrus. frag.						tr tr tr								.36				
	Broken core 300.0 – 300.53						10 20 1/2 3							1					
	Quartz perv. between str 0.5F.						SQ					300.53	482884				32.0	350	41
	Traces MoS2						SF								>10000				
					301									↓	12.33	11223	29.2		

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ.
LOCATION:
DATE COLLARED:
DATE COMPLETED:

LENGTH:
ELEVATION:
NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: BK 90-144
SHEET No. 44 of 56
LOGGED BY: G. Norman
DATE: March 3/90

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts, Bedding, Cleav./Foliat., Faults	Veins: Metres, Type, Thickness mm, Angle, Intensity	Meters	% Hornblende, Biotite, Musc./Seric.	% Chlorite, Clay, Epidote, Sericite, Garnet, Quartz, Carbonate, Intensity	% Chalcopyrite, Moly, Pyrrhotite, Pyrite	Sphalerite, Type Occurence	Meters Blocks, EST. Core Rec.	ASSAY: FROM SAMPLE No. TO, Sample Length, Au 1 PPb, Au 2, Ag ppm, Cu ppm, Zn ppm
	BRECCIA CONT'D			301		5 / ft / 10; 20; 15 / ft / 20; 25; 6	1; TR; 1/2 / to / 1%	9		
	as per 299.65 - 303.0.									482885 1 245 0.9 138 38
	Trace MoS2 @ 301.4.			302		Locally ft 40	Locally to M		71	
									302.67	482886 1 120 0.4 140 34
	303.0 - 303.5 Stronger ser. to 25% qtz, 5-10%, carb ~5%. chl <5, str sericitic @ D frag @ 302.25 - 302.45.			303		<5; 10; 25 / ft / 10; 5; 5; 6	Locally to		71	
						<5; 5	<5; 1-2; 5; TR; <1; TR	9	303.55	482887 1 45 0.5 122 41
	303.6 - 306.17 Sections w/ Large fragments of sediment - Tuff and Quartz Diorite. - @ D frag (15cm) at 304.1 is mod-str altered by ser. whilst 20cm frag @ 306.0 is relative fresh w/ blk diorite, sed frag mod-wk clay altered w/ fine ser. in matrix ~5%. Overall O.S.F. ~5% of which qtz is 15%, chl 5-10 carb <5. No OSF. 305.5 - 306.17.			304		ft / 10 / Locally ft 25	15 / Locally ft 20	Locally ft 1-2 / Locally ft 10	100	
				305						482888 1 35 0.3 116 40
									305.71	482889 1 35 0.3 118 46
				306						
	306.17 - 308.9 Strong brecciation w/ frag. size ~ <5cm overall OSF. ≤ 40%, w/ 20-30% qtz, 5-10 chl, 5-10 carb <5 ser. (pervasive), clay altered sed frag ~ 30%. ~1-2% perv. ser.					5; 25; 25; 10; 6; TR; <1; TR; 9 / ft / 10; 30			100	482890 1 10 0.3 42 47
				307				TR		
									307.54	482891 1 800 1.8 76 35
				308					98	

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX 90 144
SHEET No. 45 of 56
LOGGED BY: G. Norman
DATE: March 3/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Quartz	Carbonate	Intensity	% Chalcopyrite	Arsenopyrite	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm
	BRECCIA CONT'D										308				5		<5		25	10	6	TR		<1	TR		9									
															tr				tr																	
	As per 306.17 – 308.9.														10				30																	
											309																	98								
	308.9 – 314.2. Well brecciated sediment. (odd QD intrusive frag) OS.F ~30%. w/ Quartz – 20-25 locally to 30, carb 5-10, chl 5 locally to 15, perv. ser. 10-15.														5		10		20	5	6	TR		TR	TR		9									
																	tr		tr	tr				tr												
																	15		25	10				½				309.68								
											310																									
	Conspicuous Fibrous Grey mineral – needles <.1mm. @ 311.65? (Stibnite?). Strong OSF w/ 10-20 PO, 1-2 PY & 1/10 cpy at 313 w/ quartz																		30 tr																	
											311								Locally tr																	
																												100								
											312																									
																												30.72								
											313											↓		↓	↓											
																						⊥		10	1											
																						10		20	2											
	314.2 – 318.9. weak open space filling ~ 10% w/ qtz – 5-10% locally to 20 carb <5, chl <5, Most frag are sedimentary – not perv. alter'd by sericite. as perv., some perv. qtz. ~5% porphyritic intrusive frag. up to 20cm. relatively fresh w/ wk clay of fsp.																					TR		TR												
																								tr												
											314													½				98								
															<5		<5		5	<5	4	TR		TR												
																			tr					tr												
																			10					<1												
											315																									

ASSAY

FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm
482892	1	10		0.2	19	40
482893	1	<5		0.2	41	41
482894	1	<5		0.2	43	46
482895	1	<5		0.2	42	46
482896	1	<5		0.3	45	50
482897	1	710		1.3	193	71
482898	1	5		0.3	92	45

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: Rx 90-144
SHEET No. 46 of 58
LOGGED BY: G. Normore
DATE:

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Quartz	Carbonate	Intensity	% Chalcopyrite	MoS2	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2 ppb	Ag ppm DPM2	Cu ppm	Zn ppm
	BRECCIA CONT'D										315				<5		<5		5	<5		TR		TR			9	98	*						
	as per 314.2 – 319.9 Cont'D																		tr					tr			1		482899	1	<5		<0.2	73	49
	sediment fragments to 15 w/ off																		10					<				315.77				6	.1		
	breccia infilling.										316													1											
																													482900	1	5		<0.2	45	65
											317																								
																												100	482901	1	5		<0.2	75	46
											318																								
	TRACES MoS_2 grey.																						TR						482902	1	<5		<0.2	63	40
	fibrous mineral @ 318.1-318.2																											318.82							
	(stibnite!)										319																								
																												100	482903	1	30		0.3	82	56
	319.9 – 325.0 Strong brecciated																																		
	sediment w/ odd. QD frag (fresh @ 321.0)										320				20		20		10	5	6	TR		TR	TR										
	Strong OS.F. w/ chl. 20-25%.														tr				tr		7			tr											
	qtz ~ 10-15 Carb 5 (OFS & Fr).														25				15					3				320.65	482904	1	30		0.5	85	67
	Ser. pow. of frag.																																		
	Frag of QD at 320.93 ~ 18cm.																																		
	Wk. ser. altern at upper edge										321																								
	* Grey Mineral @ 320.5. Traces.																							1	TR			100							
																						TR		tr	tr				482905	1	130		0.5	112	48
																						tr		3	1			321.87							
											322											10			10										

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH:
LOCATION: | ELEVATION: | PROPERTY: HARRISON LAKE
DATE COLLARED: | NORTHING: | CORE SIZE:
DATE COMPLETED: | EASTING: | SCALE OF LOG:

HOLE No.: B+90-144
SHEET No. 47 of 56
LOGGED BY: G. Norman
DATE: March 4/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% V.G.	Size V.G. mm	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Quartz	Carbonate	Intensity	% Chalcopyrite	Arsenopyrite	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks / EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppB	Au 2	Ag ppm	Cu ppm	Zn ppm
	BRECCIA CONT'D										322						20 to 25		20		10 to 15	5	6 to 7	TR to 1/10		1 to 3	TR to 1/10		9 1		482906	1	5		<0.2	135	85
	as per 319.4 – 325.0.										323																			97	482907	1	<5		0.2	130	75
											324																				482908	1	15		0.3	155	65
	325.0 – 331.20 Strong brecciation. (frag. up to 12cm but ~<5) all frag. sedimentary. Relatively uniform brecciation and O.S.F. O.S.F ~ 40-50% w/ 20-30 chl, 15-20 qtz, <5% carb, 10-15% ser (perv. of frag.). Some perv. carb of frag. w/ wht carb rims; fr w/ carb. ser. Trace of garnet @ 327.02.										325						20 to 30		10 to 15		15 to 20	5	7	TR		1	1/2			324.92	482909	1	15		0.3	89	72
											326																			100	482910	1	<5		<0.2	95	50
											327									TR				TR to 1/10		2 to 3	1/10				482911	1	<5		0.2	125	82
											328																			327.96							
											329																			96	482912.	1	<5		<0.2	110	62

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION :
DATE COLLARED: | NORTHING :
DATE COMPLETED: | EASTING :

PROPERTY : HARRISON LAKE
CORE SIZE :
SCALE OF LOG :

HOLE No. : BX90-144
SHEET No. 48of 56
LOGGED BY : G. Norman
DATE : March 3/90

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Folial.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 PPb	Au 2 PPb	Ag ppm	Cu PPm	Zn PPm
	BRECCIA CONT'D										329				20		10		15	5	7	TR		2	1		9								
															tr		tr		tr			tr		tr	10		1								
	as per 325.0 - 331.20														30		15		20			1		3					482913	1	<5		<0.2	72	80
																						10													
											330																	96							
																													↓						
																													482919	1	35		0.3	97	96
																																34	.2		
											331																	331.01							
															↓		↓		↓		↓	↓		↓	↓		↓								
															15						1			1			1								
															↓						↓			2			↓		482915	1	<5		0.2	80	94
	331.20 - 331.60 Chloritized														20		10		10	5	7	1		1	<1		9								
	f-g tuff - sediment NO																					10													
	breccia. w/ ½ dissem PO										332						to		to	to				to			1								
																	15		15	10				2											
	331.6 - 336.35 Relatively																											100	482916	1	20		<0.2	138	78
	uniformily brecciated sediment																																		
	w/ odd 10-15 cm sed. frag																																		
	w/ no brecciation.										333																								
	Overall O.S.F. ~35% w/																							3-5 modally											
	20% chl, 10-15% qtz, 5-10																												482917	1	<5		<0.2	150	69
	carb, 10-15 perv. ser.																																		
	Grey sulph. at 332.15 - Trace																																		
	w/ pink dol²										334																	334.06							
																													482918	1	5		0.4	130	69
											335				↓		↓		↓	↓		↓		↓	↓		↓								
	Quartz vein w/ 10% PO, 5 PY,					.3	PO	55	55	1									90		10	TR	2	10	5		2	98							
	2% Arsenopyrite, Trace CPY.														20		10		10	5	7	1	1		<1		9								
																	to		to	to		10	tr				1		482919	1	2290		7.4	338	50
																	15		15	10															
											336				↓		↓		↓	↓	↓	↓	↓		↓		↓								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ.
LOCATION:
DATE COLLARED:
DATE COMPLETED:

LENGTH:
ELEVATION:
NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: BX90-144
SHEET No. 49 of 56
LOGGED BY: G. Norman
DATE: March 3.

METERS FROM-TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Angles: Bedding	Angles: Cleav./Foliat.	Angles: Faults	Veins: Metres	Veins: Type	Veins: Thickness mm	Veins: Angle	Intensity	Meters	Veins: % V.G.	Veins: Size V.G. mm.	% Hornblende	% Biotite	% Musc./Serit.	% Chlorite	% Epidote	% Sericite	% Garnet	% Quartz Albitic	% Carbonate	Intensity	% Chalcopyrite	% Arsenopy	% Pyrrhotite	% Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm
	BRECCIA CONT'D.										336						20		10 to 15		10 to 15	5 to 10	7	1 to 10		1 to 2	<1		9 to 1								
	as per 331.6 – 336.35.																15 to 20				10	1 to 15	6	TR to 1/10		2 to 3	<1/2			98	482920	1	20		0.3	188	62
	336.35 – 341.95										337											Local 4 to 15								337.11							
	Brecciation weakening somewhat. w/ ~20 sed frag. w/ no breccia O.S.F. (sections up to 15cm) Overall O.S.F. ~ 35% w/. chl – 15-20%, qtz – 10%																														482921	1	5		0.3	146	69
	Carb 5-10%, ser altern 15-20% to 338.6 then weakening to 5-10 because of more sections of large sed frag.										338															Local 4 3-5					482922	1	10		0.2	120	100
	Trace of grey mineral 336.95										339																			100	482923	1	25		0.2	170	128
	341.95 – 347.42 Strong brecciation w/ str O.S.F. w/ Chl – 20-30 qtz 15-20% (~5-10 perv.) carb <5., ser ~ 5% perv										340																			340.16							
	Po varies from 1-2 to 3-5 as dissem. & OSF. CPY TR – 1/10%										341																				482924	1	25		<0.2	164	157
	Sedimentary frag up to 7cm ave. med – dk grey – appear to alter'd by clay – ser – chl w/ disseminated.																													99	482925	1	45		<0.2	200	124
											342						20 to 30		5		15 to 20	<5	7			1 to 2		TR to 1/20			482926	1	30		<0.2	200	95
											343															Local 3-5		Local 1/20									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH:
LOCATION: | ELEVATION: | PROPERTY: HARRISON LAKE
DATE COLLARED: | NORTHING: | CORE SIZE:
DATE COMPLETED: | EASTING: | SCALE OF LOG:

HOLE No.: BX90-144
SHEET No. 50 of 56
LOGGED BY: G. Norman
DATE: March 5/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	a.V.E.	Size V.E. mm	% Hornblende	Biotite	Mysc./Swelc.	% Chlorite	Epidote	Sericite	Garnet	Quartz	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm
	BRECCIA CONT'D										343						20 to 30		5 to 1		15 to 20	<5	7	TR to 10		1 to 2	TR.		9 1	343.20							
	as per 341.95 – 347.47										344																				482927	1	25		<0.2	140	120
																														99	482928	1	20		<0.2	150	100
											345														Locally 3-5		Locally to 20				482929	1	20	19	<0.2 .2	146	120
	347.47 – 353.25. Strongly altered; brecciated sediment w/ overall a.s.f. ~ 30-40% w/ chl 15-20%. locally to 25%. qtz – 10-20% Carb 10%										346																			346.25	482930	1	15		0.3	160	65
	OSF (with 5% perm.) Ser mod perm 10-15%.										347																				482931	1	35		0.3	105	86
	ODD sed. frag. 10-20cm. weakly altered. po 1-2%. locally up to 2-3.										348						15 to 20		10 t 15		10 to 20	15	7	TR		1 t 2				100							
	351.85 – 352.35 Strong po (5-10) ¹CPY (2-3) w/qtz OSF. Conspicuous Grey Mineral (lath's) at. 348.7, 349.75, 352.04. 351.5.										349														Locally to 1-3						482932	1					
											350																			349.3 100	482933	1	35		0.3	93	100

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ.
LOCATION:
DATE COLLARED:
DATE COMPLETED:

LENGTH:
ELEVATION:
NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: BX 90-144
SHEET No. 51 of 56
LOGGED BY: G. Normore
DATE: March 5/90

METERS FROM-TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks Est. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 PPB	Au 2	Ag PPm	Cu PPm	Zn PPm
	BRECCIA CONT'D										350				15 to 20		10 to 15		10 to 20	15	7	TR		1 to 2			9 1								
	as per 347.47 – 353.25										351													locally 2-3					482934		10		<0.2	145	116
																												100	482935						
											352								30			2 to 3		5 to 10			9 1	352.35							
	353.25 – 358.9 Relatively str. altered breccia w/ overall OSF. ~40% w/ chl ~20%, qtz ~10%, carb 10-15, rim of frag w/ str carb; some frag w/ perv. carb (chalky white appearance) TR – 1/10 cpy, po 2-3 locally 5-10%, TR sphalerite as OSF as 355.6 & 356.75, Grey mineral as <1cm fr. fills in qtz as 355.6 & 356.2. One frag of QD as 356.4 (12cm) w/ wk. ser. altern some biotite. Ser mod-str – perv. of frag. espec. QD frag.										353								10 to 20			TR		1 to 2			9 1		482936		250		0.6	210	66
											354				20		10 to 15		10 to 15	10 to 15	7 to 8	TR 1 10		2 to 3			9 1	99	482937		15		0.2	190	76
											355													locally 5-10					482938		5		<0.2	180	120
											356			5												TR	355.40	482939		15		<0.2	230	185
											357															TR TR	87	482940		<5		<0.2	180	160

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX 90-174
SHEET No. 52 of 56
LOGGED BY: G. Norman
DATE: March 6, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Clvgx/Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	Quartz Stockwk	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2 ppb	Ag ppm PPM2	Cu ppm	Zn ppm
	BRECCIA CONT'D										357				20		10		10	10	7	TR		2			9									
																	to			to	to	to		to			1									
	as per 353.25-358.9																15			15	8	1		3						482941	1	5		<0.2	235	500
																						10														
											358													5				88								
																								3												
	358.9-360.5 Very similar to																							locally				358.44								
	above w/ QD frag at 358.0																													482942	1	10		<0.2	270	175
	20cm, sericite 15-20% perv.																																			
	chl 15 to 25, qtz <5%, carb										359																									
	~15%.														15		15		<5	15	6			2			9									
	QD frag w brn bio - wk ser.														to		to				to			to			1									
															25		20				7			3			7			482943	1	5		<0.2	240	106
	360.5 - 363.0 Fine grained																							locally												
	sediment - tuff, somewhat										360																									
	coarsegrained to 362.4.																																			
	mod-str quartz stockwork														10						2			<1			5									
	from 361.55 to 363.0 Mod-str																										9			482944	2	10		<0.2	162	175
	hornfels w/ fine brn bio & chl.																																			
	minor garnd at 361.6.										361		5																							
	weak po w/ some qtz veins																																			
																												361.49								
	363.0 - 364.54 Strong																																			
	breccia infilling w/ 25% chl,																	TR	5																	
	10% perv. qtz of frag, 20%										362								to																	
	perv. ser, 15%-20 carb.																		10																	
	(highlights edges of frag.																																			
	Traces of sphal as disseminations																													482945	1	10		<0.2	75	92
	in sericitically alter'd frag.																																			
											363																									
	Trace sphal at 363.9.														25		20		10	15	7	TR		3			9			*						
																				to		to		to			1									
																				20		<1		5			1			482946	1	65		0.3	245	190
																						10											32	.4		
											364															TR										

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH:
LOCATION: | ELEVATION: | PROPERTY: HARRISON LAKE
DATE COLLARED: | NORTHING: | CORE SIZE:
DATE COMPLETED: | EASTING: | SCALE OF LOG:

HOLE No.: BK 90.144
SHEET No. 53 of 56
LOGGED BY: G. Norman
DATE: March 90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts, Bedding, Cleav/Foliat, Faults	Veins: Metres, Type, Thickness mm, Angle, Intensity	Meters	% Hornblende, Biotite, Musc./Serit.	% Chlorite, Epidote, Sericite, Garnet, Quartz, Carbonate, Intensity	% Chalcopyrite, Arsenopy, Pyrrhotite, Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm
	BRECCIA CONT'D			364		25 / 20 / 10 / 15 / 7	TR / 3		9								
						↓	to / to		1								
	45 perv 363.0 – 364.54.					↓	to / 5			364.54	482947	1	25		0.4	220	155
						25 / 15 / 5 / 10 / 8	TR / 3		9								
				365		to / to / to / to	to / to	TR	1								
	364.54 – 368.5. Strongly altered breccia approaches strength of altern in 89-126 & 90-144, w/ strong OSF. w/ chl ~ 25-30%, carb. 10-15. qtz – 5-10% perv. sericite 15-20% perv. locally to 25% of frag. Mod-strong PO at 3-5% and TR – to CPY. Trace sphal at 365 and 368.					30 / 20 / 10 / 15	1 / 5 / 10										
				366		locally to 25					482948	1	10		<0.2	230	220
											482949	1	30		<0.2	220	179
				367													
	368.5 – 370.2 Similar to above strongly altered breccia. w/ 20-25 carb., 20-25 chl, 25 ser. 5-10% qtz. PO ~ 1%, TR CPY									367.59	482950	1	15		0.2	184	210
				368				TR									
						↓	↓		↓		482951	1	<5		0.2	160	110
	Frag completely replaced by qtz – carb – ser. chl is infilling.					20 / 25 / 5 / 20 / 7	TR / 1		9								
				369		to / to / to			1								
						25 / 10 / 25 / 8					482952	1	35		0.2	120	120
	370.2 – 374.9 Strongly altered breccia at contact w/ sediments. Chl ~ 15-20% carb 20-25%. 1-2% qtz. Strong ser ~ 20% locally to 30%.																
				370		↓	↓		↓								
						15 / 20 / 1 / 20 / 8	TR / 1	TR	9								
						to / locally to 30 / t / to	to		1	370.64	482953	1	40		0.2	180	134
						20 / 2 / 25	3										
				371													

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: BX 90-144
SHEET No. 54 of 56
LOGGED BY: G. Norman
DATE: March 90

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Quartz	Carbonate	Intensity	% Chalcopyrite	Arsenopyr.	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm
	BRECCIA CONT'D										371				15 to 20		20 to 25		1 to 2	20 to 25	8	TR to 1 10		3 to 5		TR	9								
	60 pcs 370.2 - 374.9										372						Locally to 30									1/4									
											373											Locally to 7		Locally to 8											
											374																	373.68	482956	1	1360	1177	3.0 3.4	234	172
																													482957	1	70		0.3	300	76
	SEDIMENTS / TUFF 374.90 - 376.6	20									375								25					1%			1								
374.9 to 382.8	Mod. siliceous grey sediment-tuff w/ 1% disem po possible somewhat silicified. banding/remenant bedding @ 20° to C.A.																												482958	2	20		0.2	255	54
											376																								
	Contact w/ Breccia ~80° to C.A.																																		
	376.6 - 382.8. Lt grey limy tuff w/ short sections of 1st. eg 382.0 - 382.4										377				25		15 to 20			20				1% 2.											
	Some fossils noted. sections of gastropod. Mod-str ser pow. 20%. @ 376.77 po-trace w/ carb OSF Carb. some secondary. Vuggy										378																		482959	2	15		0.3	143	58

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH:
LOCATION: | ELEVATION: | PROPERTY: HARRISON LAKE
DATE COLLARED: | NORTHING: | CORE SIZE:
DATE COMPLETED: | EASTING: | SCALE OF LOG:

HOLE No.: BX 90-144
SHEET No. 55 of 56
LOGGED BY: G. Norman
DATE: March '90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts, Bedding, Cleav/Foliat, Faults	Veins: Metres, Type, Thickness mm, Angle, Intensity	Metres	% Hornblende, Biotite, Musc./Seric.	% Chlorite, Epidote, Sericite, Garnet, Dolomite, Carbonate, Intensity	% Chalcopyrite, Arsenopy, Pyrrhotite, Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu ppm	Zn ppm
	SEDIMENTS – TUFF.			378		15	TR		1								
						tr											
	as per. 376.6 – 382.8.					20					482959	2					
				379													
											482960	2	<5		0.2	110	68
				380													
				381													
											482961	2	60		0.3	155	60
382.8 to	LAPILLI TUFF / TUFF			382													
391.97	grey blk well laminated – foliated fragmental rock w/ flattened frag. from <½cm to 2cm. w/ ~1% disseam Po., foliation – bedding is @ 55° to C.A.			383			1		1								
											482962	2	10		<0.2	81	105
				384													
				385													

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5
LOCATION:
DATE COLLARED:
DATE COMPLETED:

	DEPTH	DIP	AZ.

LENGTH:
ELEVATION:
NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: BX 90-144
SHEET No. 5b of 5b
LOGGED BY: G. Norman
DATE: March '90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2 ppb	Ag ppm	Cu ppm	Zn ppm	P
	LAPILLI TUFF / TUFF										385										0																
	grey foliated – laminated lapilli tuff / tuff																													482963	2	10		0.2	126	63	
											386																										
	w/ 1% disseminated PO.																																				
											387																										
																														482964	1	2560	2377	7.8 5.9	220	1300	
	PO vein @ 388.92. 5cm massive PO w/ 1% CPY.										388																										
																														482965	1	565		1.6	830	50	
						92	PO	50	55	1	389																										
																														482966	1	40		0.2	173	78	
											390																										
																														482967	1.97	10		<0.2	92	71	
											391																										
	EOH 391.97										391.97																										