HARRISON GOLD PROJECT 1990

APPENDIX IV

DETAILED GEOLOGIC LOGS

HILL STOCK ZONE

HL90-145 to HL90-147

PART 3 OF 4

20144

HL 90-145

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5
LOCATION: Hill Stock
DATE COLLARED: March 29/00
DATE COMPLETED: April 3/00

DEPTH	DIP	AZ.
0	-60	143.5
326.75	-61	145.5
250.55	-61	147.5
174.35	-62	140.5
101.50	-61	143.5

LENGTH: 337.4
ELEVATION: 753
NORTHING: 7126
EASTING: 11311

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

HOLE No.: HL90-145
SHEET No. 1 of 49
LOGGED BY: G. Norman
DATE: April 25/00

METERS FROM - TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Angles: Bedding	Angles: Clear/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
0 - 7.32	CASING.										0																									
	Bedrock is relatively close to surface as bedrock face in drill pad cut.										1																									
											2																									
											3																									
											4																									
											5																									
											6																									
											7																									

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.: HL 90-145
SHEET No. 2 of 49
LOGGED BY: G. Norman
DATE: April 25/90

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Angles: Bedding	Angles: Chord/Foliat.	Angles: Faults	Veins: Meters	Veins: Type	Veins: Thickness mm	Veins: Angle	Intensity	Meters	% Hornblende	% Biotite	% Musc./Sericite	% Chlorite	% Clay	% 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	Zn	Mo PPM
	CASING CONT'D										7																		7.32								
7.32 to	QUARTZ DIORITE												35	5	30	45						0		2		TR		7	100								
	Medium to coarse grbl hb rich qtz diorite w/ 35 chl hlb			30							8																		8.23								
	~5 blk bio. Traces. py traces Mt. mod fr, a. 30-50° w/ mod-wk lim. Even text hypidomorph granular. No veins 7.32 - 13.6 v. weak clay altern of fsp										9																										
											10																		95.4								
				50							11																										
											12																		11.28								
											13																		86.6								
	@ 13.6 5mm vizy vuggy lim Qz vein w/ser halo. 2cm. mod-str fr @ 65 13.5 - 14.3			65		.6	Q	5	35		14											3								# 482968	1	5	12	0.2 .3			3

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.: HL90-145
SHEET No. 3 of 49
LOGGED BY: G. Norman
DATE: April 25/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding FR Cleavage Foliation	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Clay Epidote	Sericite	Garnet	QZ Dolomite	Carbonate	Intensity	% Chalcopyrite	Limonite	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	Zn	Mo ppm
	QUARTZ DIORITE CONT'D									14										2		2				7	14.33								
					.33	Q	20	60												3								482969	1	25		0.3			3
										15																									
	mod-str fr 15.5-21.8																																		
																											98.7	482970	1	10		0.2			4
			50-Lim.							16																									
	16.21 Vuggy qtz vein 15cm				.21	Q	15	40								50						5													
	@ 40° w/ 5% lim str ser.																											482971	1	35		0.5			3
	halo 16.0 - 16.4				.66	C	10	45														5													
					.7	C	10	45								60						5													
					.75	C	5	45		17												10													
			45																			5					17.37								
	16.55 - 17.0 str ser halo		50																									482972	1	35		0.2			5
	around series of carb																																		
	veins vuggy w/ lim @ 45																																		
										18																									
17.46 to 22.32.	17.0 - 17.37. str broken - fr	50	sharp.											10	10									5-10											
	@ 45-50 w/ lt yell brn lim.	60																																	
																												482973	1	70		0.3			5
	ZONE of LEUCOCRATIC DYKING.														30	10		20				5		5-10		1									
	18.0 - 18.42. Leucocratic Porphyritic (Esp)	25								19																4	98.7								
	Dyke - w/ 60% white clouded plag. 2mm - 2mm (Seraphinite).																									7									
	anhedral tap 10-15% chl. mafics.																																		
	~5% disseminated py. str frw/ lim.				.45	Q	20	?														5						482974	1	10		0.2			8
	Short Quartz Diorite Sections 18.42 - 18.58																																		
	& 18.8 - 19.06									20																									
	19.06 - 22.32. Somewhat more																										20.42								
	siliceous than previous., whitish																																		
	grey w/ ~ 5-10% disseminated py. - ser.				.75	Q	3	40																2.				482975	1	<5		0.3			5
	mafics. ' siliceous groundmass → clayey bed. 70-80%																										82.0								
	4cm qtz vein @ 19.45. (broken core)									21																									

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.: HL90-145
SHEET No. 4 of 49
LOGGED BY: G. Norman
DATE: April 26, 1990

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Fr. Cleavage	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Clay	Epidote	Sericite	Garnet	Quartz	Dolomite	Carbonate	Intensity	% Chalcopyrite	Mo-Sx	Pyrrhotite	Pyrite	Sphalerite NT	Type Occurrence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu	Zn	Mo ppm
	LEUCOCRATIC DYKE CONT'D										21					40	10										5-10											
	as before strongly pyritic w/																														482976	1	5		0.3			1
	clay altered frag. matrix																																					
											22																											
				25	PY																									82.0								
		40																													482977	1	<5		0.2			1
22.32.	QUARTZ DIORITE											35	5		30												<1/2	<1/4	1									
	Very similar to before w/																												4									
	30% chl hb. 1-2mm. 5 blk										23																		1									
	bio: - <1/4 % finely dissem																																					
	Mt. <1/10 dissem py.																													23.47								
	add quartz - py veinlets.																														482978	2	<5		<0.2			<1
	very weakly fr. locally mod-str																																					
	w/ several py fr/Fill.										24																											
																											TR											
						A	Q	3	45																		15											
						.7	Q	2	40																		15											
						.8	Q	2	10																		<1											
				60							25																											
				PY																										98.4								
																															482979	2	<5		<0.2			15
											26																											
																														26.52								
											27																											
						.3	Q	7	30																TR.		2-3											
																											<1			97.0	482980	2	<5		<0.2			2
											28																											

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. : HL90-145
SHEET No 5 of 49
LOGGED BY : G. Norman
DATE : April 26, 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./Serit.	% Chlorite	% Sericite	% Garnet	% Dolomite	% Carbonate	Intensity	% Chalcopyrite	% Arsenopyrite	% Pyrite	Sphalerite	Type Occurrence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 PPb oz/t	Au 2 g/t	Ag PPm g/t	Cu	Zn	Mo PPm
	QUARTZ DIORITE CONT'D										28			35	5	30					0			2		1			1	g/t		g/t			
	as before relatively fresh					.29	Q	22																21		7									
	w/ wk qtz-py veining.																									4		482980	2	<5		<0.2			2
																											97.0								
											29																								
	29.72 – 35.19 Zone of bull qtz																																		
	veining -2-3cm @ 15-20°.																																		
	vuggy w/ wk lim & str																							V			29.57	482981		255		1.1			4
	chl. halos														↑	↑ 5				5				10		4									
	@ 29.8. 12cm vuggy qtz vein					.8	Q	120	50/60		30				40	20 1-2							10	1		5									
	w/ <1% py ~10/lim			*		.1	Q	12	65						↓	↓ 5				↓				25.											
	-20cm chl-(20) ser(5) clay(20)																																		
	py(10°). hair.																									1		482982	1	>10000		61.0			4
																										4				0.666		57.0			
																										7				22.8	65.0	21.86			
	@ 31.0 - 31.16. Quartz-py-chl			cuts/		.06	Q	5	15						5									5-10											
	cuts qtz-py-ser vein.			.65		.16	Q	4	20							5								5.			95.1								
	and carb slip @ 65 off sets.																											482983	1	245		1.0			46
	qz-py-chl by 1cm to right					.52	Q	20	20														2												
	looking uphole. Veins w/ chl halo.					.9	Q	22	15		32																								
	@ 31.52: 31.9. 2cm bull qtz																																		
	w/ wk lim 1-2cm chl halos					.61	Q	25	15																		32.61	482984	1	65		0.3			50
	@ 32.61 similar to 31.52.																																		
						.1	Q	2	30		33													10											
						.12	Q	5	30															15											
						.2	Q	5	30																										
	@ 33.45 - 34.66 V. str vuggy					.45	Q	10	20																										
	qtz veins w/ wk lim <1% py.					.66	Q	10	30															<1				482985	1	45		0.4			42
											34																97.0								
	@ 34.7 1cm Andesite dyklet @ 70°																																		
	@ 34.7 20cm bull qtz w/ odd					.7	Q	20	20															<1				482986	1	15		<0.2			20
	py bleb to 3mm.																																		
						.9	Q	5	40		35				2									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.: HL90-145
SHEET No 6 of 49
LOGGED BY: G. Norman
DATE: April 26 1990

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	FP Structure	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	a.v.e.	Size V.G. mm.	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Mo Sp.	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	Zn	Mo ppm
	QUARTZ DIORITE CNTD.					.07	Q	50	50		35						20								TR.		15.		4									
35.19 to 37.61	POSTMINERAL ANDESITE DYKE	80															40						0						1									
	Medium green - chloritized.																40													35.66	482987	1	10		<0.2			1.3
	fine - grained dyke w/30-40cm. chilled margins within										36						50																					
	central core. dyke is porphyritic in fsp w/ <5% white 1-2mm. euhedral fsp phenocrysts. ~40-50% fine chl. matrix.																																					
	Upper and lower contacts @ 80° and 60° respectively.										37																			100								
		60																																				
						.75	Q	1	5					15	25		10						0				TR.		1									
37.61 to	QUARTZ DIORITE.					.9	Q	2			38														TR.		5		7									
	Medium grained intrusive w/ 25% bio (Hk) ~15 hb wkchl.. TR. py. Relatively fresh. add - 1-2mm qtz - py veinlet. Fr w/ py ± chl some w/wk lim.																												4	38.71								
											39																											
	@ 39.2 4cm xenolith w/ 5-10 fr py.																																					
											40																											
	@ 39.5 - 44.3. Simil. to above but increase in hb → 35 (chl) decrease in bio → 5% <1% finely dissem Mt, <1% Py as dissem 1fr filib. wk quartz veing.					.00	Q	20	20		41			35	5		30						2				<1	<1/4		99								
	@ 41.0 - 41.25 2cm Qz vein w/ 1-2 py 1-2% chl - 1cm chl halo.			25	py																																	
						.95	Q	2	65		42																5			41.76	482988	1	<5		<0.2			10

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.: HL90-145
SHEET No. 7 of 49
LOGGED BY: G. Norman
DATE: April 25, 1990

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Clevs/Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Serc.	% Chlorite	Clay	Epidote	Sericite	Garnet	Qtz-Dolomite	Carbonate	Intensity	% Chalcopyrite	Moly	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	Zn	Mo ppm
	QUARTZ DIORITE CONT'D										42			35	5	10	35					3							1										
	QS per 39.5-44.3.					.63	Q	1	75																		5		7										
	somewhat more mafic w/ 35 bb					.74	Q	7	50															Tr			1		4			482989	1	10		0.2			5
	@ 42.74 7mm qtz w/1% py blebs										43																												
	Tr MoS2 ; <1cm chl hole.																													100									
	44.3-45.2 FAULT.																																						
	Gouge - 2cm. - clean C.A.										44																												
	- clay - ser.																																						
	@ 45.1 chl py along edge.				10																																		
																	30	10				4										482991	1	25		0.2			20
	45.5-45.8 FAULT. - Possible some				Fault										20															44.81									
	asbestos? Gouge - broken rock.										45																1-2												
	- gouge - limonitic ~ 7-8cm.																																						
	total. - 1cm vuggy qtz vein w/					.3	S	10	60																		5					482992	1	25		0.5			19
	section.					.6	Q	10	80																														
					80°																	3																	
	45.3 1cm ser. veinw/ ~5% py										46																												
	blebs.																																						
																														87									
																																482993	1	60		0.3			3
	46.95. - FAULT - 3cm gouge				50						47																												
	@ 50° - sharp contact					.18	Q	15	50													4					<1					482994	1	5		<0.2			<1
	47.18 1.5 cm Qz vein w/ <1% PY																													47.85									
	1cm chl halo, wkly vuggy					.1	Q	5	35		48							2.									1%												
	** 48.33 15cm Quartz-carb Vein																															*				10.8			
	in centre w/ qtz. xtls in carb matrix, 3-5%																															482995	1	5100		9.0			14
	arseno py on edges. Vuggy -				*	.33	Q	150	75								5.				20	8		1/5	<1		1			98				4.56	5.63	20			
	<1% PO, 1% PY										49																												

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH: | HOLE No.: HL 90-145
LOCATION: | ELEVATION: | PROPERTY: HARRISON LAKE | SHEET No. 8 of 49
DATE COLLARED: | NORTHING: | CORE SIZE: | LOGGED BY: G. Norman
DATE COMPLETED: | EASTING: | SCALE OF LOG: | DATE: April 26, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding Foliation	Cleavage Joints	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 Calcite	Carbonate	Intensity	% Chalcopyrite	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	Zn	MO ppm
	QUARTZ DIORITE CONT'D as before										49												1 to 2														
	49-49.5 fr runs sub ll to C.A.					.9	Q	4	40		50													TR		2			98	482996	1	10		0.2			1
50.2 to 51.39	QUARTZ DIORITE DYKE	65																												482997	1	25		0.2			14
	Fine grained hb rich (30-40%) w ~5% bio. Somewhat purpl. in fsp (1-2mm). xenolith w/frag ~1cm. or less. Cut by garnet veinw		45+Py			.4	G	5	65		51							20											50.90								
	50.4 odd pytr fill, bdd carb amygd.	85				.18	Q	12	70															TR		3	15										
51.39 to 53.5	QUARTZ DIORITE. Xenolithic quartz diorite w/ ~35. blk bio ~5% chl & <5% chl hb.													25	35		5						1 to 2				TR		1	482998	1	<5		<0.2			4
											52																										
											53																		98	482999	1	5		<0.2			33
	Contact w/ Hornfels is @ 0° to C.A. w/.																													483000	1	<5		<0.2			5
53.5 to 53.9	HYBRID										54				60														53.95								
53.9 to 69.85	HORNFELS Skarnified and hornfels sediment w/ irreg. patches of qtz-garnet-epi-. Some worm qtz rich vnlts of intrusive material. Py as disem & bll fr. filts.		15+lim.								55							2		1-2	5 to 10		4			2-3			97	483001	1	<5		<0.2			230
	odd disem qtz-carb vein. fr stilla/lim. @ 15					.33	Q	30	55		56															1% 2-3				483002	1	<5		<0.2			11

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.: HL 90-145
SHEET No. 9 of 49
LOGGED BY: G. Norman
DATE: April 26, 1990

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Fr Elev/Fr Fill	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	A.V.G.	Size V.G. mm.	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	ZT Dolomite	Carbonate	Intensity	% Chalcopyrite	Mo Sz	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	Zn	Mo ppm
	HORNFELS CONT'D										56				60		VI						3																	
	Hornfels w/ granitized sections.																						40						4											
	weathering w/ qz.-ep. patches.					.4	Q	5	40													5	4			TR	TR		7	97		483003	1	<5		<0.2			26
	Cut by numerous felsic dykelets.																										1-2													
	Local qtz-stockworks. Py as										57																			56.99										
	H/L fr fills. 1 disseminated ~1-2%					.15	Q	30	70																															
	Odd Quartz vein.																																							
	@ 58.0 H/L qtz-po fr fill @ 70°			-70																												483004	1	<5		<0.2			17
	60°.																																							
				60							58																													
						.2	Q	3	10																															
																														94		483005	1	<5		<0.2			10
	@ 58.69. Qz-py-MoS2-chl					.69	Q	5	70								30										30													
	vein @ 70°					.00	Q	12	15		59							1-2		1	20																			
	@ 58.7-59.6. Section qtz-py-chl																5										1-2													
	stock work zone.																																							
	@ 59.0 1cm qtz-ep-at vein																																							
	at 15 is cut by 1cm felsic																																							
	dyklet at 45°, 10% chl 1-2 Py										60																			60.05										
	@ 60.15. 4cm Felsic Dyklet @																															483007	1	<5		<0.2			18
	35 w/ ~1% Po ~10% chl																																							
	Matics 42. Qz - 48 FSP.										61																													
	61.8 - 62.3 Quartz flooded																																							
	zone - ~~meg~~ veining w/																													92		483008	1	<5		<0.2			2
	some chl & felsic material.																																							
	& <1% Py										62											40						1-2												
																																483009	1	5		<0.2			2
											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.: HL 90-146
SHEET No 10 of 49
LOGGED BY: G. Norman
DATE: April 26, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding FX	Foliation	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	B.V.S.	Blue V.S. mm.	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet QTZ Dolomite	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 PPb	Ag PPm PPm2	Cu	Zn	Mo PPm
	HORNFELS CONT'D.					.11	Q	12	75		63							10		5	20			TR		5			63.09								
	Horntels rock appears to be					.38	Q																														
	Tuff/Lapilli Tuff. w/ beds																																				
	w/ frags to 1-3mm, bedding @ 50°		50																																		
	@ biotite is well developed,										64																		99								
	Patches of qtz-garnet-ep is																																				
	still prevalent. as well as H/L					.44	Q	4	55									20 halo		5 halo						5.											
	qtz Stockworks. H/L py.																													483011	1	<5		<0.2			130
	Odd QD dykelets and qtz					.9	Q	4	40									30				5				5											
	Vein 7/cm.					.98	Q	3	40		65							20				5.				5											
	63.0 – 63.38 Quartz-ep-gt. veining																																				
	@ 63.11 1.1 cm Quartz vein																																				
	w/ 5% PY trace MoS2 – Vuggy w/																													483012	1	<5		<0.2			5
	qtz-cryst. growth. Vein cuts.																																				
	qtz-gt-ep. skarn mineralization										66							50		2									66.14								
	@ 63.8 – 10cm patch of ep																																				
	@ 64.44 QZ-ep-py vein w/ 1-3cm																																				
	halo of ep-gt. Carb.		PY – 40																											483013	1	<5		<0.2			17
	@ 65.83 8cm patch ep-gt.					.6	GT	5	60											100.																	
						.97	Gt+	30	70		67								40	60						5											
						.03	Gt.																														
						.53	Ep Gt	15	45																					483014	1	<5		<0.2			8
	@ 67.74 3cm Qtz vein @ 50° w/					.74	Q	30	50																	TR			100.98								
	traces PY slip downhole contact										68																										
	w/ 2mm clay gouge																																				
	@ 68.16 – 68.5 Quartz Diorite																													483015	2	<5		<0.2			6
	Dyke.																																				
	@ 68.45 – fr @ 40 w/ heavy py + qtz.					.97	Q	8	70		69															3.			69.19								
			40																																		
																													98.								
69.85	See Next page.										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.: HL 90-145
SHEET No. 11 of 49
LOGGED BY: G. Norman
DATE: April 26, 1990

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Angles: Bedding	Angles: Clvg./Foliat.	Angles: Faults	Veins: Meters	Veins: Type	Veins: Thickness mm	Veins: Angle	Intensity	Meters	Avg.	Size V.G. mm	% Hornblende	% Biotite	% Musc./Serit.	% Chlorite	% Epidote	% Sericite	% Garnet	% Dolomite	% Carbonate	Intensity	% Chalcopyrite	% MoS_2	% 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	Zn	Mo ppm
69.85 to 73.03	QUARTZ DIORITE DYKE	30									70				35								0				1%		1										
	Fine-med. grained intrusive														40														7										
	intermix. w/ 35-40 bio														40														1										
	blk w/ 1% py.																																						
	Very wk chl. & bld Fr w/										71																												
	py. NO qtz veins.																													98									
											72																												
																														72.24									
		55									73																												
73.03 to 90.63	HORNFELS														60								3						7										
	Banded tuff/Lapilli Tuff.																						+4						4										
	hornfels w/ strong dewx. of																																						
	biotite. Some irreg h/L qtz vnlts.	50				18	Q	5	50		74						5										1			95		483016	1	<5		<0.2			H3
	73.2-73.5 Felsic Dyke - finely					19	Q	6	40																TR		<1												
	porphyritic in fsp. 1-2mm																															483017	1	<5		<0.2			5
	@ 74.8 Qz vein @ 50 w/ 1% py																																						
	5% chl cuts Felsic dyklet.																																						
	Bedding @ 50° to C.A.										75																												
	74.6 irreg flooding of GD material.																													75.29									
	75.06 QD dyklet. 4.5cm @ 45°																5b	5		2	30						<1					483018	1	<5		<0.2			3
	75.21-75.65 Irreg veining of qtz-garnet-																10																						
	ep-chl w/ <1% PY.																				5																		
	75.65-76.25 Mod-qtz stockwork.										76										+10																		
	76.25 Felsic Dyke - 70cm @ 40° w/																																						
	10% PY / 1% MoS_2 - ep at lower ct.																	3							1		10			100		483019	1	<5		<0.2			11
	@ 77.0 100cm irreg Felsic moss w/																																						
	30% chl - 5-10 PY dissem blebs.										77																												

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH: | HOLE No.: HL 90-145
LOCATION: | ELEVATION: | PROPERTY: HARRISON LAKE | SHEET No. 12 of 49
DATE COLLARED: | NORTHING: | CORE SIZE: | LOGGED BY: G. Norman
DATE COMPLETED: | EASTING: | SCALE OF LOG: | DATE: April 26/90

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	QTZ Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopyrite	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	Zn	Mo ppm
	HORNFES CONT'D										77			60							3				1-2											
																					4				↓										
															5	5		5	30						1-2				483020	1	<5		<0.2			48
	77.39-77.85. Irreg mass of																								<1			100								
	qtz-ep-garnet-chl w/ 1-2%										78																									
	py, also again at 78.2-78.33.															30		25	20						<1			78.33								
	78.38-79.92. Fine grained Tuff																								1-2		1		483021	1	<5		<0.2			1
	and med grained Lapilli tuff.																										7									
	- Lapilli tuff had a 79.4-80.2.																										4									
	here ~ 40% fragments from 1-8mm.										79																									
	The coarse material is at top of																																			
	section w/ finer frag. near bottom																																			
	indicating sections upside down.																																			
	frag are flatten out ⊥ to f.c. at 50																												483022	1	<5		<0.2			1
	a 79.92 - 1cm QTZ vein w/ 5° fine	50				.92	Q	10	60		80													TR.	<1			100								
	chl <1% py trace po.																																			
	80.0-85.6 - Grey block lapilli					.3	EP	7/5	70							70			30						15.				483023	1	<5		<0.2			95
	tuff; tuff w/ masses veins																																			
	of ep-garnet-qtz-chl/oal v. fine.					.71	Q chl	5	40							40			60				TR		2.											
	1mm-h/L qtz veinlets. - stockworks.										81														1-2											
	weak h/L py h/L fr/fills on well w/	py-chl	70																									81.38								
	chl.																												483024	1	<5		<0.2			26
											82																									
																													*							
																													483025	1	<5		<0.2			4
																												100				1	.1			
											83																									
	a 83.29-83.36 qtz-po-py veins					.29	Q	15	70													TR		TR	2											
	cut. skarn altern.					.36	Q	8	65																				483026	1	<5		<0.2			46
	83.5-84.0 Circular patches (2cm)															1-2		2-3							1-2											
	of garnet surrounded by ep.										84																									

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.: HL90-145
SHEET No. 13 of 49
LOGGED BY: G. Norman
DATE: April 26/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Foliation	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopyrite	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 P/P	Au 2	Ag PPM	Cu	Zn	Mo PPM
	HORNFELS										84										3 to 4								84.43								
	@ 84.5 5cm band of qtz-ep					.5	Q ep	50	90							15			75						5-10				483027	1	<5		<0.2			3
	[illegible]					.76	Q	18	65							28		5	70						2-3											
	85-85.6 patches of qt-ep 1/2 x 2cm					.00	Q	4	25		85													TR	15											
	85.0 qtz-py veinlets cuts skarn altern															5		5							2											
						.65	Q	4	20						5	10			85						5 to 10				483028	1	<5		<0.2			9
	85.6 – 90.63 Well bedded grey-greyblk tuff. (bedding @ 70 w/ bands (veins) [illegible] patches of skarnification (ep-gt-qtz-)					.85	Q	7	45		86					2		2-3			4 to 5			1	2			95								
	odd qtz-veins cuts skarn altern. Some felsic veins (dyklets) cut qtz veins					.7	Q	5	80		87																		483029	1	<5		<0.2			8
	Po-Py w/ h/L fr fill to irregular stringers. Overall Po-Py is ~ 3%. Increase in sulphides from last section.					.34	Py	2	40										15.						95			87.48	483030	1	<5		<0.2			5
	@ 86.65 7mm Q vein @ 45 is cut by h/L py Fr fill			70	60	Py.					88					20		10																		
	@ 86.7 5mm qtz vein w/ Tr py cut skarn band // to bedding in turn cut by dykelet of felsic material 3mm @ 30°															20		10											483031	1	<5		<0.2			12
						.9	Po Py				89				5				43					40	10	2										
	87-87.5 Irreg. dykelets of felsic material ~ 4m. py.-qtz veinlet cuts felsic dyklets @ 87.75 fr fill w/ py @ 60																								2			100	483032	1	10		<0.2			7
											90																										
																												90.53	483033	1	10		<0.2			11
90.63 to	QUARTZ DIORITE	50									91																	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.: HL 90-145
SHEET No. 14 of 49
LOGGED BY: G. Norman
DATE: April 26/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Foliation	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 MT	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 PPb	Au 2 PPb	Ag ppm PPm2	Cu	Zn	Mo PPm
	QUARTZ DIORITE CONT'D.										91	10/15	30		20										≤1											
													40 to 50		5																					
	Medium grained biotite rich QD																																			
	w/ 30 blk bio ~10-15% chl/hb, 1/10%												↓		↓										≤1											
	dissem Mt ~ ≤1% dissem PY					.9	Q	7	33		92																									
	Cut by 3-5mm qtz-py.											10 to 15	30		20						2				1	1/10										
	Short section of f-m grained QD																																			
	w/ serate text in fsp. <1mm to 3mm																								↓			101								
	anhedral fsp groms. (porphyritic text)					.74	Q	3	60																≤1											
	40-50 fine blk bio. (91.2-91.87)	PY		25							93																									
	upper / lower contact at 60, 70°.																								↓											
	lower contact somewhat irreg;					.33	Q	2	55																10											
	fussed																								≤1			93.57	483035	2	15		<0.2			5
	@ 92.9 fr/fill @ 25°										94																									
	94.53 fr/fill w/ carb ~60° w/																																			
	ser-carb.																																			
						.82	Q	5	25		95													TR	≤1											
																									≤1			99.34	483036	1	<5		<0.2			2
	@ 95.95 1.5cm Felsic Dyke @ 50°										96																									
	@ 96.62 Fr/ w/ chl-ser. halo 1.5cm.																											96.62	483037	1	280		0.5			4
	@ 96.78 Carb vein ~1cm w/ 3% Po					.78	C	10	70		97										4	TR		3												
	blob Tr cpy. also sub'l Po	Po		60								35	15		20						2							*								
	fr/fills.																											97.70	483038	1	600	626	1.0 / 1.0			4
	@ 97.0 – 103.0 Change to more																																			
	hb rich → 35° hb ~15° bio																																			
	~1% dissem PY, Tr Mt.										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.: HL 90-145
SHEET No. 15 of 49
LOGGED BY: G. Norman
DATE: April 22, 1990.

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	Mo S2	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY: FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppb	Cu	Zn	Mo ppm
	QUARTZ DIORITE CONT'D										98		35	15	20						3				1	TR										
	as per 97.0 – 103.0.								10																											
						.4	Q	20	25													10	TR		5/10				483039	1	10		<0.2			46
	@ 98.4 – 98.8 Qz vein sublit																											97.70								
	CA. 25-10° w/ Chl. in seclims										99										↓															
	then to py rich w/ Traces MoS2					.28	Q														2															
						.54	Q																													
																												99.67	483040	2	<5		<0.2			35
											100																									
	@ 100.5 – 100.6 Felsic veins @																																			
	w/ 15% py.					.5	F	6	30																15											
						.6	F	15	20														TR		15											
						.00	F	3	30		101														10											
																												101.31	483041	1	<5		<0.2			12
											102																									
	@ 102.57. 5 cm, quartz rich felsic																																			
	vein w/ 30 chl - 5 ser, 5-10																																			
	py.					.57	Q	50	40						30						3				5/10			102.71	483042	1	<5		<0.2			17
	Stop 4 April 22.																																			
	103.0 – 114 QUARTZ DIORITE.					.9	Q	7	55		103														TR.											
	Relatively unaltered. matic rich (50%)												35	15	20										1-2		1									
	w/ % 35 hb (2-5mm) 15% bio. (<1mm)																										7									
	Weak alignment of matics @																												483095	2	5		<0.2			17
	40° to C.A. Somewhat porphyritic																																			
	in hb ~ hb – chl. mod., 1-2%										104																									
	disseam & tr py. Mod tr w/ Chl & py.					.16	Q	3	45																TR	TR.		100								
	Minor 1-2cm xenolithic - hybridized.																								1-2											
						.6	Q	5	30																											
											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. : HL-90-1415
SHEET No 16 of 49
LOGGED BY : G. Norman
DATE : April 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 PPb	Au 2	Ag Ppm	Cu	Zn	Mo Ppm
	QUARTZ DIORITE (MED.) CONT'D as per 103 – 114.0					.06	Q	4	55		105	35	15		20										TR 1-2	TR		100 165.77	483096	2	<5		<0.2			14
						.33	Q	55	50		106														<1											
						.79	Q	3	50																2 1-2	¼										
	@ 107.8 Small slip @ 70° 1-2mm clay gouge.										107																	100	483097	2	<5		<0.2			9
											108																										
						.6	Q	13	45															TR	2 1-2	TR		108.88								
	@ 109.58. Felsic Dyklet – 13 mm @ 25° w/ 3-5 % disseem py. 109.86, 109.9 Felsic veins w/ Po. 1-2% Py 1cm @ 30-50° to C.A.										109																	100	483098	2	5		<0.2			6
	@ 111.6, 111.71, 111.9, 112.1 Felsic Dyklets or veins at 40-50° to C.A. w/ traces PY					.08	Q	5	70		110														TR 1-2											
											111																		483099	2	<5		<0.2			56
						.00	Q	3	75		112														3	TR		111.86								

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.: HL 90-145
SHEET No. 17 of 49
LOGGED BY: G. Norman
DATE: April 21, 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	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	Cu	Zn	Mo PPM
Start April 21	QUARTZ DIORITE CONT'D										112			20	30		10						1				1		1							9t2			
	Med. dk. grey w/~50 matic.					.3																					1		4										
	30% fine bio ~1mm, 20 hb to 3mm																														483099	2	<5		<0.2			56
	Relatively fresh wk chl. of hb.																																						
	w/~1% disseminated PY weakly										113																												
	Xenolithic from 116-117.00																																						
	odd qtz-py veinlet. Mod fr.																																						
	w/ py & py+chl. some dry.																													100	483100	1	<5		<0.2			2
	Medium grained intrusive.																																						
											114																												
	112.3 - 112.4. 9cm str ser bond. @																														*		9t		9t				
	50° w/tr cpy po.																																						
																															483101	1	<0.03		<0.5				
						.7	Q	5	20																	TR.	TR							.02	.5				
											115																			114.91									
																															483102	1	<0.03		<0.5				
											116																												
																											3												
						.48	Q	2	25																														
	Contact w/ hornfels xenolith at 10°.					.58	Q	2	70																		10			100	483103	1	<0.03		<0.5				
		10				.89	Q	2	55		117			✓	✓		✓						✓				10		✓										
117.0 to 119.74	HORNFELS.														30		5						2			21	1		1										
	Lt grey to black. Str hornfels																																						
	with well developed fine biotite																														483104	1	0.82		2.5				
	117.0 - 117.6 with flattened white																																						
	blotches - possibly lapilli tuff.										118									21										117.96									
	Patches of garnet-ep. Strong po vein																																						
	at 117.89.																						✓	TR.		1	–												
						.67	Q	10	45											21			5						5	100	483105	1	<0.03		0.5				
	@ 118.89 po vein originally though	*				.89	po	12 20	55												15			4		85			6										
	3 Au counts but appears to be cpy.										119				✓																								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH: | HOLE No.: HL 90-145
LOCATION: | ELEVATION: | PROPERTY: HARRISON LAKE | SHEET No 18 of 49
DATE COLLARED: | NORTHING: | CORE SIZE: | LOGGED BY: G. Norman
DATE COMPLETED: | EASTING: | SCALE OF LOG: | DATE: April 21, 1990

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 MoS2	Type Occurence	Meters Blocks	EST. Core Reco.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 g/t	Au 2 g/t	Ag g/t	Cu	Zn
	HORNFELS CONT'D										119		30																							
	as 117-119.74, Felsic dyke. (?																																			
	119.2-119.3 @ 25° w/ <1% dissem Po																													483106	1	<0.03		<0.5		
	MIXED ZONE.										120		30		5						3			1	1		1									
119.74 to 126.0	QUARTZ DIORITE + HYBRID.																							↓	↓		7	100								
	Mixed zone of quartz diorite (+ veins)																							TR	1		4									
	and hybridi - hornfelsic rock.					.5	Q	20	30													TR.		1-2		1	5			483107	1	<0.03		0.5		
	Fresh crystalline diorite @.					.74	Q	10	50			20																								
	120.5-121.0, 123.5-123.85,										121																		121.01							
	@ 120.5 2cm Quartz vein w/ 1% MoS2				*	.2	PO	10 20	20												5	1		80	2	TR										
	at edges. 1-2 PO TRCPY.																																			
	@ 121.2. discontinuous PO band w/																																			
	2% Py, 1% cpy, str chl halo.					.67	Q Py	5	15										60					10	30					483108	1	<0.03		0.5		
											122																									
	* @ 122.1 Carb - vein w/ 2% PO; 1 count Au				*	.1	C	3 10	3			1	.1						18	80				2	TR.											
						.38	C	3	50										40	50				10												
																												100		483109	1	0.69		1.5		
						.96	Q	4	50		123													5-10												
					*	.09	Q	10 15	40													1-2		30	TR					*						
						.35	C	10	60															1												
						.5	Q.	5	30						30				65					3	2.					483110	1	0.72	63	1.5 .5		
	* @ 123.89-123.95 Arsenopyrite (~40%).				*	.89	Ar	10	50					20	40				70	40	7		35		5											
	veins w/ carbonate; quartz				*	.95	Ar	5	70		124				40.				5.	50	5		45.						124.05							
	w/ v. str chl. halo.																																			
					*	.15		30	60												6	TR		25	TR.	.5				483111	1	0.34		1.0		
						.92	C	3	60										5	80				15												
						.95	Q	40	40		125								100		1			TR.												
	125.25-126 Hybrid. - granitized																											100								
	sediment. w/ patch - 1-2cm w/																													483112	1	0.10		0.5		
	garnet - ep																																			
											126																									

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.: HL 90-145
SHEET No. 19 of 49
LOGGED BY: G. Norman
DATE: April 21, 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 Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite MoS2	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 g/t	Au 2 g/t	Ag g/t	Cu	Zn
126.0 to	QUARTZ DIORITE.										126			30	5 to 15						2				3-5		4/5								
	126.0 - 130.4 Relatively fresh med-grained somewhat more leucocratic than previous w/ 30% blk bio. (No visible hb) w/ ~5% disseminated PY - closely assoc. w/ bio. Mod-wk veined by quartz-py veins. Patchy chl to 50% mafics. is conspicuous w/ cloudy appearance of intrusive.										127																	100	483113	2	<0.03		<0.5		
											127.10																								
											128																								
	w 127.04 disseminated po-py-MoS2 along hand w. 3mm w 65°					.4	Q	8	50															TR.											
						.6	Q	7	70													TR	TR	3-5				483114	1	<0.03		<0.5		
	130.4 - 130.98. Mod ser-clay altern of mafics. - bleached appearance.					.99	C	2	70		129												3.												
						.12	Q	6	30																			98.03							
						.3	Q	6	30																										
						.5	Q	10	40						5	halo.								TR	TR			483115	1	<0.03		0.5		
						.7	Q	5	30						1	dissem.			54	5				40											
						0	Q	18	20		130				5 to 15									TR.											
																								3-5			130.15								
						.47	C	5	70																			483116	1	2.98		5.5			
						.6	C	2	50							20	10					TR	3								3.02	5.0			
						.75	C	4	60											2		TR.	97	Tr			6								
	# 130.98. Massive Po vein			*		.98	Po	15	60		131										7						1								
	131.0 - 134.6. Very similar to. 126.0 - 130.4 Fresh No veins. ~5% chl of ~1-2% disseminated PY + odd ff w/ py. + chl wk alignment of mafic at 50° to C.A.														5						0			1-2											
																											1								
											132																	99.67	483117	2	0.07		<0.5		
						.5	C	2	40														1												
											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.: HL 90-145
SHEET No 200f 49
LOGGED BY: G. Norman
DATE: April 21, 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 Occurrence	Meters Blocks Est. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 g/t	Au 2	Ag g/t	Cu	Zn
	QUARTZ DIORITE CONT'D.										133				30		5						0				1-2		1	133.20								
	as per 131.0 - 134.6.																																					
																															483118	1	0.48		<0.5			
											134																											
																															483119	1	0.17		<0.5			
	134.6 - 136. Quartz Diorite																													100								
	135.06 Jenner Style Quartz Vein.										135						15		10							3	1		1									
	w/20% PO, Strong altern halo.					.06	Q	30	40								30		50			15	9	TR		20			5									
	w fr. PO, 3% dissem PO. Str.					.44 .6	Q	5	60													10				5.											
	ser. in halo ~50 + chl.					.52	PO	70	50															TR		97	3		6		483120	1	7.13		14.5			
	135.52 Massive PO Vein. w/																30		5							3t											
	3% PY + tr CPY Strong halo					.9	Q	5	70		136															5.			4									
	w/ str ser-chl ~10% PO stringers																10		10				4				2		1	136.25								
	to 135.15 From 135.15 → 136.																																					
	mod - chl alteration																														483121	1	0.07		1.0			
	136.0 - 136.7 w/ ~10% ser - 10%																																					
	chl of mafics ~2% dissem PY										137				30		1										5											
																	to						2						1									
	136.7 - 141. Mod fresh. QD. w/																10																					
	minor sign. veining. odd				*	.54	Q	55	70														7		5	Tr	Tr				483122	1	3.19		6.5			
	short section w/ mod-chl. ~5 dissem PY.																																					
	137.37 - 137.52. Yellow patch w/.										138												2							100								
	mod clay altern of fsp!					.3	Q	10	10								10											TR										
	~5 v. fine dissem PO.					to .5											1																					
	* 137.54 Carb - Qz. w/ 5% Arsenopy																to														483123	1	2.47		4.5			
	141.0 - 142.1 Mod altered w/																10																					
	ser - chl - clay of mafics										139																											
	w/ ~3-5																													139.29								
																															483124	1	0.10		<0.5			
																														100								
											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.: HL90-145
SHEET No. 21 of 49
LOGGED BY: G. Norman
DATE: April 21, 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./Seric.	% Chlorite	Clay ~~Epidote~~	Sericite	Garnet	Quartz ~~Dolomite~~	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite Tr	Type Occurance	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 g/t	Au 2	Ag g/t	Cu	Zn
	QUARTZ DIORITE CONT'D										140				30								2				5		1								
	as per 136.7–141																														483125	1	<0.03		<0.5		
											141																										
	141.0 – 142.1 Mod altered																25	2	2				4														
	quartz dio. textures are					.39	Q	5	65																					100							
	clouded by altern of matics					.51	Q	7	65																						483126	1	<0.03		<0.5		
	by chl+ – ser – clay. Cut					.75	Q	5	70																		TR	TR.									
	by quartz – veins.					0	Q	12	85		142																										
	FW/ chl – py.																													142.34							
															30								3						1								
	142.1 – 146.3. Relatively fresh																						+0				1-2		4		483127	1	<0.03		<0.5		
	QD. w/ ~ 1-2 dissem. py.																						4														
	matics fresh.					.9	Q	5	70		143																TR										
																											1-2										
	143.5 to 143.7 Quartz – Chl. vein					.5	Q chl	12	15								15														483128	1	<0.03		1.0		
	at 15° to C.A. w/ sericite selvage					.75	Q	2	40								5									3	1	TR									
											144																1-2			100							
	Str fr @ 144 w/ heavy ser + carb.																																				
	@ 10° to C.A.																														483129	1	<0.03		<0.5		
											145																										
	146. – 148.44 Moderately chl.					.31	Q	6	40																												
	QD ~15 chl of matics ~2%																													145.39							
	dissem. py. Some xenos at																														483130	1	<0.03		<0.5		
	146 – 148 to 5cm (hybridized).																																				
	145.9. Quartz vein (Jennen Style)				*	.9	Q	25	78		146												5			4		TR	5								
	w/ 4% Po. Tr MoS2 at edges														30		15						3				2		1	92.79							
	2cm gouge at downhole end.																														483131	1	<0.03		<0.5		
	@ 146.89 1cm gouge @ 70°.										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.: HL 90-145
SHEET No 22 of 49
LOGGED BY: G. Norman
DATE: April 21, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Clivax/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 g/t	Au 2 g/t	Ag g/t 2	Cu	Zn
	QUARTZ DIORITE CONT'D. as per 146-148.44										147				30		15						3				2											
																														92.79	483132	1	1.30	1.46	2.5 / 2.0		
											148																											
	148.44 – 149.5 Quartz Diorite med-fine grained. phase w/ fragments of coarse grained (med) – slightly porphy. in bio no veining														✓		✓										✓		✓	148.44								
															30		5						1				2-3		1 4		483133	1	0.03		<0.5			
											149																											
	Possible auto brecciation NO definite contacts. ~3% dissem py ~ ~40 % bio. → chl.																														483134	1	<0.03		<0.5			
	149.5 – 153.1. Relatively fresh Quartz diorite as per. w/ wk chl of bio ~5% ~2-3% dissem py. odd quartz vein. Bio clusters give wk porphyritic text.					.63	Q	20			150							chl halo												100	483135	1	<0.03		0.5			
											151																											
	153.1-154.2 Altered zone around Jennar. Style vein at 153.51 (3.5 cm) @ 80° w/ 1% arsenopyrite. 5-10% PY. pers. silica ? clay alteration of bio.																													151.49	483136	1	<0.03		<0.5			
											152																											
						.3	Q	5	55																3						483137	1	<0.03		0.5			
						.7	Q	22	40															TR		3-4												
											153				✓		✓										✓		✓	100								
																							2															
				*		.51	Q	35	80														7	TR	1	<1	5-10				483138	1	0.34		1.0			
											154																											

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.: HL 90-145
SHEET No. 23 of 49
LOGGED BY: G. Norman
DATE: April 22, 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./Sericite	% Chlorite	Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE # TO	Sample Length	Au 1 g/t	Au 2 g/t	Ag g/t 1&2	Cu	Zn
	QUARTZ DIORITE CONT										154												7						1								
154.2 to 156.9	as per 153.1-154.2					.66	Q Po	20	60															TR		15	5-10	TR.	7 4	157.53	483139	1	1.23		2.5		
	HYBRID.																												5								
	Grey blk granitized sediment-										155																										
	tuff. - w/ strong Jenner Style																																				
	veining. Po+Py dissem' fr. filling			*		.5	Q	15	45															1		5											
	~5% + ~1% Py.					.5	Q	B	50												93	5				2	TR				483140	1	0.51		2.0		
	Possible altern of veining makes			*		.67	Q	33	35												75	5				20	<1										
	rock dark w/ ser - chl altern			*		.94	Po	7	60		156										80			TR		20				100							
	as well.																														*						
						.33	Q Po	15	65												78			1/2		20	2										
																															483141	1	11.00	10.2	16.0 15.0		
	@ 156.7. Jenner Style Vein.		*	*		.7	Q Po	21	40			6												4	10	20											
	21cm w/ 6 count Aw, 20										157																										
	Po, 10 arsenopyrite as central					.12	Q	5	35					23	22		15						4			TR.	<1	.13									
	band. Au w/ Qz - Po.					.31	Q	5	60															TR.		5-10											
						.63	Q	5	30																		5-10	TR	4	157.58	483142	1	0.65		<0.5		
156.9 to	QUARTZ DIORITE																										<1		7								
	Med. grained relatively light										158																										
	QD w/ 45 mafics 50% hb(chl)																																				
	50% blk-brn Bio Chl. ~ 60% mafic					.38	Q	5	70								1-2										5		4		483143	1	<0.03		<0.5		
	wk frijy traces disseam																15										<1		1								
	Main qtz- py veining wk																																				
	odd quart - po vein <10mm.										159																										
	@ 159.0 Felsic dyke. 3cm.					.40	Q	5	70																		5			100							
	w 20° to C.A.																										<1				483144	1	<0.03		<0.5		
																	5						2				<1		1								
	159-165. Fresh QD as above										160																		4								
	w ~ 30% chl. w/ 80% mafic chlorited																												7								
	~ 1% disseam Px. - odd qtz																																				
	vein and Py fr fill. ~ 70-																													160.63	483145	1	<0.03		<0.5		
	odd xenolith.										161																			100							

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.: HL-90-145
SHEET No 24 of 49
LOGGED BY: G. Norman
DATE: April 22, 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 Albite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite MoS2	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 g/t	Au 2 g/t	Ag g/t	Cu	Zn
	QUARTZ DIORITE CONT'D										161				23	22	5				2		2			1		1							
	as per 159-165.0																to											4							
																	10											7							
						.8	Q	3	60		162												4		15										
																												100	*						
						.31	Q	3	70																5-10	TR									
						.54	PY	3	40																50				483147	1	<0.03		<0.5		
																																.01	.5		
											163																								
	163.1 Quartz vein ! fr					.1	Q	7	30															1	TR										
	w/ ser- chl alteration halo.					.4	Q	10	50													TR		2.	1-2	TR		163.08	483148	1	<0.03		<0.5		
																									100										
						.74	PY	2.	60																										
						00		2			164																								
	165.0 – 169.3 Zone of Veining																																		
	Quartz - py - po ± MoS2 veining																												483149	1	<0.03		<0.5		
	at 75-85 to C.A. Relatively fresh					.7		2																											
	Q.P. except for altern halo around																																		
	veins.										165																								
	@ 165.45 Quartz Vein w/ 5-10					.16	Q	15	80												6			TR	5-10	2	4	100							
	py 2% MoS2 tr py ' 4cm					.45	Q	6	70															20	2	1-2	5								
	clay - ser - halo 4cm downhole.					.7	Q	6	45															5	3				483150	1	<0.03		<0.5		
	@ 165.16 Qz - po - py - MoS2 w/ ser halo					.8	Q	8	40															2	2										
						00	Q	20	50		166											TR		4	TR										
																													483151	1	<0.03		1.0		
						.8	Q	4	85															1		TR		166.73							
	167.1 Qz - PY - Arsenopyrite w/ 8-10										167																								
	cm ser clay - halo.				*	.1	Q	16	75														1		40										
						.15	Q	10							15.										5-10			100	483152	1	0.48		1.0		
											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.: HL-90-145
SHEET No. 25 of 49
LOGGED BY: G. Norman
DATE: April 22, 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	Dolomite	Carbonate	Intensity	% Chalcopyrite	MT	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.										168	23	22		5						2						1								
	no pen 165-169.3.																										7								
						.54	Q	8	80																1	TR	4		483153	1	<0.03		<0.5		
	168.23-168.8 Hybridized																																		
	Xenolith.										169													4	TR	TR.		100							
						.14	Q	10	50																										
	169.3 – 171.1 Quartz Diorite																																		
	relatively fresh w/											20	30		5										2		1								
	chl-py fi fills ∓ carb.																										7	169.77							
	odd qtz-py MoS_2 vein.					.04	Q	7	70		170														5	TR	4		483154	1	<0.03		<0.5		
	medium grained w/ 30 bio					.08	Q	6	80																5	TR									
	~20 hb ~ chl. - ~ 2% disseminated																																		
	py, ~ 5- chl. of mafics.																												483155	1	<0.03		0.5		
	171.1 – 177.0 Very similar to										171				15										3-5										
	169.3-171.1 w/ weaker qtz-																																		
	py-MoS_2-MI veining at ~ 1/vein/metre					.38	Q	7	85													TR	1		5	∓		100	483156	1	<0.03		<0.5		
	~3-5% disseminated py, ~ 2% chl.																																		
	mafics higher % bio ~30																																		
	v. weak foliation										172																								
																													483157	1	<0.03		<0.5		
																												172.82							
	172.9 Quartz vein w/minor py					.9	Q	4	40		173	10	40		20										2.										
	; 10cm sec-chl halo uphole																								¼										
																													483158	1	<0.03		<0.5		
																												96.39							
											174																								
	174.14-.23 Quartz PY cuts					.14	Q	10	20											10	4			2	TR.										
	Quartz - PO.					.23	Q	6	40												2				5										
																													483159	1	<0.03		0.5		
						.81	Q	3	40																30										
						.91	Q	3	20		175														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.: HL 90-145
SHEET No 26 of 49
LOGGED BY: G. Norman
DATE: April 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	O.V.G.	Size V.G. mm	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Mt. Streaks	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 g/t	Au 2	Ag g/t 1+2	Cu	Zn
	QUARTZ DIORITE CONT'D										175			20	30		20						1				2		1									
	as per 171.1 – 177.0																						2						7	96.39	483160	2	<0.03		<0.5		
											176													TR.	TR		5			175.87							
						28	Q	7	70																												
	177.0 – 182.07 Relatively fresh. Quartz diorite										177																										
	soft pepper text. w/ 50 modiss													30	20		15						1				2-3										
	~ 30 hb – 20 bio. hb more chl ~15-20%. 2-3 dissem fr py.																40													95.08	483161	2	<0.03		<0.5		
	Very little quartz vein																20																				
											178																										
																														178.92							
											179																										
																															★ 483162	2	<0.03	.01	<0.5 .5		
											180																										
																														96.39							
											181																										
																															483163	1	<0.03		<0.5		
											182																			181.97							

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.: HL 90-145
SHEET No. 27 of 49
LOGGED BY: G. Norman
DATE: April 22, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleavage/Foliation	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	Size V.G. mm.	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	Dolomite Quartz	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 g/t	Cu	Zn
	QUARTZ DIORITE CONT'D (Med) as per 177.0 – 182.07										182																									
						.36	Q	25	70				35	5		25						1				2	TR	4								
						.43	Q	30	80																TR	1	TR									
182.07 to 196.6																										1-2		7		483164	1	0.03		<0.5		
	QUARTZ DIORITE (COARSE)										183																									
	Coarse grained phase.																									TR										
	189.0 contact w/ medium grained phase distinct irreg @ ~70°. Definite change in matic to hb rich w/ ~35% hb ~5% bio. hb is chl(~80°)=25 w/ ~1% disseminated py. hb x/s to 4 mm plag to 5mm. 1mm py Fr Fills. 1-2/meter. Total py ~ 1-2					.3	C	3	45																											
						.74	C	3	70																TR	TR				483165	1	<0.03		<0.5		
											184																		100.33							
						.24	Q	3	65																	5										
																										1-2				483166	2	<0.03		0.5		
						.01	Q	10	50		185															2			185.01							
																										1-2										
											186																									
																													100	483167	2	<0.03		<0.5		
						.97	Q	13	80		187															2-3	TR									
																										1-2										
						.5	Q	4	60																	3-4										
																										1-2										
						.01	Q	5	80		188															4			188.06							
																										1-2										
																										2										
						.52	Q	11	75																	5	TR		100	483168	2	<0.03		<0.5		
						.75	Q	6	80																TR											
											189																									

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.: HL90-145
SHEET No. 28 of 49
LOGGED BY: G. Normans
DATE: April 20, 1990

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	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite Pos.	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 g/t	Au 2	Ag g/t	Cu	Zn
	QUARTZ DIORITE (COARSE) CONT'D.										189			35	5		25						1				1-2		1									
																												7									
	189 – 192.9 Very similar to																											4			483168	2	0.03		<0.5		
	above section 182.07 – 189																																				
	Rec/Hively unaltered with small										190																			100							
	felsic dyklet and carbonate																														483169	1	0.10		0.5		
	vein at 191.52.																																				
	@ 190.55. Felsic Dyklet										191																			191.11							
	2.5 cm @ 70° w/ flecks of ser + chl																									3	1										
	+ traces PO.																						↓			3	3				483170	1	<0.03		<0.5		
						.52	C	5+ 10	60														4				1-2										
											192															2											
	192.9 – 194.3 Quartz diorite w/																																				
	several Qz – PO – CPY(TE) ± MoSz																														483171	1	<0.03		<0.5		
	veins w/ ser. haloes.					.45	Q	10	60																												
						.53	Q	10	50																	<1										
						.91	Q	40			193													TR		3-5		.5		100							
																										2											
																															483172	1	<0.03		<0.5		
						.6	Q	20	55													1%		TR		3											
						.72	Q	10	5													30		TR													
											194															2											
	194.16 – 194.3 3 parallel qtz veins																							TR				1		194.16							
	w/ 5% dissem PO ~ ½ Musc					.16	Q	10	40																	5		2			483173	1	<0.03		<0.5		
	str ser haloes.					.2	Q	10	40																												
	194.6 – 195.7 Discontinuous PY PO					.3	Q	10	40																	30	70										
	vein – 5mm @ 70°					.6	PY PO	5	70																	<1		TR.									
						00		40	50		195																1-2										
	195.4 – 195.7 3-5mm qtz – fsp																													100							
	– carb. felsic veins at 70° w/																														483174	1	<0.03		<0.5		
	<1% PO.																																				
											196																										

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.: HL90-145
SHEET No 29 of 49
LOGGED BY: G. Norman
DATE: April 22, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Foliation	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	B.V.S.	Size V.S. mm	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Mo S2	Pyrrhotite	% Pyrite	Sphalerite	MoS2	Type Occurrence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 g/t	Au 2 PPb	Ag g/t	Cu	Zn	Mo
	QUARTZ DIORITE (COARSE) cont										196			35	5		25						1			1-2												
																														100	483175	1	<.03		0.5			
196.6 to 229.20	QUARTZ DIORITE (MEDIUM). Relatively sharp – distinct contact between the two phases of the QD. the med grained intrusive is somewhat finer grained near contact ∴ is younger. is also has a slight alignment w/ metres. Upper Contact @ 60° Med Grained Quartz diorite is hb rich (40)(2-8m) somewhat porphyritic w/ ~5 bio. With 1-2 dissem py. Hb xHs are chl.	60									197			40	5		30						1			1-2			1 4 7	197.21								
						.95	Q	6	65		198												3 to 4			5-10		TR										
						.1	Q	5	65																	3-5		TR										
						.19	Q	3	65																	3-5		TR			483176	1	<0.03		<0.5			
						.36	Q	4	65																	3-5		½										
											199																			100.	483177	1	<0.03		<0.5			
	199.58 ! 200.02. small slips w/ <1mm clay gouge. w/ altered halos. – Sm – chl										200																				483178	1	<0.03		<0.5			
	197.95 – 198.36 Section w/ qtz – py MoS2 veining.																													200.25	483179	1	PPb <5	3	PPm PPm2 <0.2 .1			PPm 5
201	202.45 Felsic Dyke – 1.5cm @ 20° w/ <1% dissem PO										201																											
																														101	483180	2	<5		<0.2			9
											202																											
	@ 202.84 Quartz vein – 2.5cm @ 75° w/ 1% MoS2 at edge of vein – chl halo – 2cm chlorite halo. chl Fr/@ 40	chl	40			.84	Q	25	75		203																											

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.: NL90-145
SHEET No 30 of 49
LOGGED BY: G. Norman
DATE: April 27/90

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding Fr/Foliation	Gtz/Veins	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	a.v.g.	Bio V.G. mm.	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	MoSz	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	Zn	Mo PPm
	QUARTZ DIORITE CONT'D.										203			40	5		30						1				1		1										
	as before																												7	2033								
	@ 203.3 Felsic Dyke -2cm @ 20° < 1% Po dissem.	PY	60								204																				483181	2	<5		<0.2			<1
	odd py Fr/Fr. @ 60°																										✓												
														5/10	30		45						1-2				3-5												
	204.5. Change to more bio										205																			95.08								
	rich w/ 30° bio ~ 5-10% hb																																						
	str chl. from 204.5-205.6.																																						
	w/ 3-5% dissem PY and																														483182	2	<5		<0.2			1
	206.4-207.6. w/ ~ 3% PY. Chloritic																																						
	altern obscured textures.	PY	20								206						15										✓												
																														206.35								
																	40						1																
																	30																						
											207																												
	@ 207.78 Fr/Fill @ w/heavy PY	PY	60																												483183	2	<5		<0.2			1
											208			✓	✓																							
														4	35		5										1			100								
	209.0 - 210.2 Zone of quartz -MoSz - Po veining.																																						
											209												✓																
	@ 209.24 2cm Bull Qtz @ 60° w/wk lim on edges					.24	Q	20	60									10	15				5	2					4									
						.56	Q	20	50										40				10			21			1	209.4								
	@ 209.65 Quartz vein w/ 3% MoSz.					.65	Q	5	65														6		35						483184	1	5		0.2			77
						.7	Q	10	50																TR.	1-2				8852									
											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.: HL 90-145
SHEET No. 31 of 49
LOGGED BY: G. Norman
DATE: April 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding Fr Shear/Foliat	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Swelc.	% Chlorite Clay Epidote	Sericite	Garnet	Qz Dolomite	Carbonate	Intensity	% Chalcopyrite Mo Arsenopyrite	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	Zn	Mo PPm
	QUARTZ DIORITE CONT'D				.15	Q	10	50		210		<1	35		10/	15				5	TR.	1											
					.16	Q	6	70								20				6	2	1			7								
																				3			3-5		4	483185	1	<5		<0.2			190
										211													✓										
																									88.52	483186	2	<5		<0.2			2
	@212.7 - 213 - Fr sub ll to C.A. (10°) w/ ser - wk carb. - ankylite als. fr stock w/ ankylite									212																							
																									212.45								
	213 – Quartz Diorite w/ xenoliths, Xenoliths are hybridized. A large quartzite frag is @ 216.05 - 216.5.									213					✓	✓			✓				✓			483187	1	<5		<0.2			1
																20			4			1	12										
										214															88.82								
					.14	Q	5	30															15										
	@ 214.3 2 mm Fr fill w/ py 3% over .2 m.	PY	50																				1-2			483188	1	15		<0.2			<1
	@ 214.95 3 cm qt (80°) garnet (15) ep (2) po (1) py (<1) vein				.95	Q	30	40		215					/2		15	80				1	<1										
																							1-2		215.4								
																										483189	1	55		0.5			1
	216.0 1 cm Qz vein w/ 15% POLIPY				.60	Q	10	30		216		✓								TR		15	<1										
	cuts felsic dyke 1-4 cm @ 70°.																					1	1-2		100								
	216.2 - 216.4 Fr/Fill sub ll to C.A. w/ qtz-carb py-po. (5%).				.57	Q	5	45												TR		15				483190	1	10		0.2			70
	216.85 qtz w/ 15 py No sharp boundaries	PY	40		.85	Q	10	40		217									✓			15		✓									

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.: HL90-145
SHEET No. 32 of 49
LOGGED BY: G. Norman
DATE: April 1990.

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	FP Crystallization	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	B.V.B.	Size V.G.mm.	% Hornblende	Biotite	Muss./Sericite	% Chlorite	Epidote	Sericite	Garnet	DZT Dolomite	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 ppb	Ag ppm PPM2	Cu ppm	Zn ppm	
	QUARTZ DIORITE (XENOLITHIC) CONT'D										217				35								4						1									
																													7									
																													4		483191	1	5		<0.2			7
	217.3 - 10cm Felsic dyke @30° w/ 5-10° PY, 1% PO	PY	5D								218																			100								
						.02	C	3											15			85															
	218.35-220.25 Large xenolith c/ hornfels. w/ 3-5° py as fr/fills and wk qtz veining; wk ep. in patches														60								4				3-5			218.54	483192	1	10		<0.2			20
						.84	Q	3	65																		<1											
						.84	Q	3	25		219								5								10											
						.06	Q	5	40																		10											
																	3				83		5	2.		10	2.				483193	1	<5		<0.2			8
						.56	Q	7	30														3															
											220																			99.67								
																															*							
	@220.35 Qz vein w/ PY-PO MOSz w/1-4cm ser. halo.					.35	Q	8	30						35								4	TR	<1/10	TR	1-2				483194	1	<5		<0.2			5
																							40				3-5											
	QD w/ 3-5% disem. fr py					.64	Q	3	20								2.						5				3							6	.1			
											221																3-5											
																														221.59	483195	1	<5		<0.2			<1
						.85	Q	5	20		222																10/15											
																											3-5											
																															483196	1	<5		<0.2			1
											223																			100								
	@23.15 Qtz vein w/ patches of ser-chl <1 PY, TR PO, TR MOSz at edges					.15	Q	25	40								20		50						TR	TR	<1											
	str ser. halo 10cm.					.16	Q/Chl	3	20								35										65				483197	1	<5		<0.2			9
	@ 223.6-.86 PY chl vein cuts Qz-PY.					.75	Q	5	50																		10-15											
						.86	Q	5	55		224																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. : HL90-145
SHEET No. 33 of 49
LOGGED BY : G. Norman
DATE : April 28, 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	PZT	Dolomite	Carbonate	Intensity	% Chalcopyrite	MoS2	ATTRIBUTE	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks / EST. Core Rec.	ASSAY: FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2 g/t	Ag ppm	Cu	Zn	Mo ppm
	QUARTZ DIORITE CONT'D										224			35									5					<1		4	100							
																														7	224.64	483198	1	<5		<0.2			<1
																														5									
	@ 224.25. Felsic Dyke -22mm																																						
	@ 35° w/ blebs w/ po-py										225																												
	@ 224.72 Felsic Vein - 1cm @ 42°				*	.27	Q	17	50														8	TR	~~TR~~		20					*		9/t		9/t			
																																483199	.98			9/t2			
	225.27 - 227.6 Jenson STYLE VEINS																																	0.07		1.0			
	@ 225.27 Qz vein w/ 20% Po																															225.98			0.07	.5			
	½ MoS2 TR CPY				*	.98	Q	230	40/90		226													TR	~~TR~~		15												
	@ 225.98 Qz vein w/ Sheared Po (15°).																																						
	TR MoS2 ; CPY. - 25cm chl-ser.																														87.54								
	halo upper contact. w/ 10° discem			50-MoS2																												483200	1.02	5.01		11.3			
	Po.																					5					95.												
	@ 226.52 Fr @ 50 w/ MoS2 stream.					.9	PO	5	50		227																												
					*	.34	Q	90	65						5.						80	5			TR/3-5	4		10											
	227.8 - 229.2. Med-Fine grain														40							10	5					<1											
	Quartz - Diorite Dyke																														227.69	483751	1	0.75		1.0			
	somewhat porphy. in fsp. (2mm)					.69	C	3	50																		TR												
	bio rich as main intrusive.					.9	Q	7	40		228				2						88		1					10											
																							1					<1						ppb		ppm			ppm
	227.34 Qz vein f'r'd ∥ to contact.																						+2																
	w/ 5-10 carb. Chl along fr planes.																															483752	1	15		<0.2			<1
	Po as large blebs (2cm) Py as																																						
	masses w/ some Po. Glsero pyn tetrah.																																						
	within Chl halo 227.0 - 227.7.										229																												
	@ 229.55. Qz vein w/ 10 PY - 30% chl.																											1-2											
	@ 229.65 Felsic Dyklet. 7mm @																														100.33								
	60° Tr py. <1% chl.					.55	Q	4	20									30										10				483753	1	<5		<0.2			6
	229.2 - 242.38 QUARTZ DIORITE																											1-2											
	COARSE Grained.										230																												
	@ 230.3 - 230.5 Fr @ 55 w/ ser-clay																																						
	- perv. ser - clay, Hem. matrix in QD														20			15																				
	@ 230.95 Felsic vein 12mm @ 30° TR py																														230.75	483754	2	<5		<0.2			8
											231																												

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DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: HL90-145
SHEET No. 34 of 49
LOGGED BY: G. Norman
DATE: April 28, 1990

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Etrec/Foliat	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	B.V.B.	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	Ag PPm	Cu	Zn	Mo PPm
	QUARTZ DIORITE CONT'D. (COARSE).										231				40		15										2-3		1										
	Coarse Grained - Isp 2-4mm.		carb-ser.																										7										
	biotite rich intrusive w/ ~40			60		.3	Q	4	25.																				4			483754	2	<5		<0.2			8
	bio - moderately chloritized, 1-2 fr'd.																																						
	dissem PY locally to 2-3. Med-Coarse										232																												
	@ 231.25. slip @ 60 w/ str ser.																																						
	wk carb., cuts qtz vein @					.25	Q	2	20																		10												
	25°. - 4mm.																													98.36		483755	2	<5		<0.2			6
	@ 231.86. Felsic Dyklet 2cm @ 60°																2					5					1-2												
	w/ qtz rich central core, 1-2 py					.94	Q	5	45		233																1-2												
	@ 232.25 Qz-PY vein is cut by																																						
	5mm Felsic vein @ 70°.																																						
	@ 233.3 Felsic Vein (Dyklet) 1cm @ 70°																																						
																														233.78									
	@ 234 Felsite Dyke - 2cm @ 30°										234																5												
	w/ 5° dissem PY.																										1-2												
	@ 234.97 Felsite Dyke - 2cm @ 35°																															483756	2	<5		<0.2			25
	w/ 2-3° Po - 1° PY.																																						
											235															2-3	1												
																														100									
											236																												
																																483757	2	<5		<0.2			1
						.96	Q	18	70		237						1										1-2			236.83									
																														100.33									
											238																												

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DATE COLLARED: | NORTHING : | CORE SIZE :
DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: HL90-145
SHEET No. 35 of 49
LOGGED BY: G. Norman
DATE: April 29, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Chill/Foliation	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	B.V.G.	Size V.G. mm	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	QZT Dolomite	Carbonate	Intensity	% Chalcopyrite	Hase 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	Zn	Mo ppm
	QUARTZ DIORITE (COARSE) CONT	D		30	PY						238			5	35		5/0																					
	similar to above w/ some hb					13	Q	18	35								1								<.1		1-2		4									
	~5%-10% wk chl ~ 5																												7			483758	2	<5		<0.2			25
	1-2 disseminated PY.					84	Qh	2	70								20										5-10								2	.2			
											239																												
						06	F	8	50					5									0				2			100.33								
	@ 239.5 – 242.38 Quartz Diorite													10													<1												
	is relatively fresh NO													10																									
	veining ' <1 disseminated PY.																												7	239.88									
	w/ ~ 35° bio ' 5-10 chl hb.										240																												
	intrusive is coarse grained.																																						
																																483759	2	<5		<0.2			2
											241																												
																											3-5			99.34									
						9	Q	6	35		242																15												
242.38 to 245.5.	HORNFELS																2	30		30	30	2	6			1-2	3.5		1			483760	1	<5		<0.2			96
	Strong skarn altern 242.38 -244.0	PY		50																									7	242.93									
	w/ 30% garnet 30% ep. 30% qtz										243																												
	3-5 py ~ 1% po no stringer disseminated																																						
	! fr 1.4ls.	50												QD			DYKE					QD	DYKE				3											
																	2	30		30	30	2	6			1-2	3.5		1			483761	1	<5		<0.2			15
	@ 244.33 - 15cm QD dyke ~3% disseminated PY																																						
	244.0 - 245.5 Med. grey f-g volc?										244																		7										
	w/ 15-20 blk bio. w/ mod														15								2				1-2			100									
	py fr/fill. ' disseminated ~ 1-2.														20																								
															20																	483762	1	<5		<0.2			1
		PY		45							245																												

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HOLE No.: HL 90-145
SHEET No. 36 of 49
LOGGED BY: G. Norman
DATE: April 29, 1990

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Clock/Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	a.v.g.	Size V.G. mm.	% Hornblende	Biotite	Mus./Serit.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopyrite	Pyrrhotite	Pyrite	Sphalerite	MT	Type Occurrence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 PPb	Au 2	Ag PPm	Cu	Zn	Mo PPm
	HORNFELS. CONT'D										245				15								1				1-2		1										
															10								10						7	100	483763	2	<5		<0.2			15
															20								2																
											246																			245.97									
		60																																					
245.5 to 279.6	QUARTZ DIORITE													10 15	25 30		30										1/2	1/4										
	Med-coarse grained QD w/										247																												
	10-15 chl hb (possible some augite).																													99.34									
	~25-30 bio. (chl, blk).																														483764	2	<5		<0.2			10
	~1/2% diseem Py, <1/4% diseem.																																						
	Mt. Cut by 1-3mm Qz-chl vnlts																																						
	at ~60°										248																												
	@ 248.2-248.65. Felsic Dyke																																						
	- w/ fine chl mafics, 1-2% diseem	40		Felsic Dyke.													20										1-2												
	py. Tr po, str qtz at upper cont.	35																																					
											249			5	35		30						1						1	249.02									
																													7										
						37	Q	1	60																		10		4										
						45	Q	3	70														2				10				483765	1	<5		<0.2			26
						67	Q	12	50														16				5-10												
	@ 249.67. 12mm Qz-vein w/ 5-10																																						
	Py. str chl.-ser halo.					92	Q	6	50		250						30						3		TR		1-2												
																							1																
	Intrusive becomes bio rich. abt																										2-3												
	251, str chl. ~30%. 2-3 diseem Py.																													99.67	483766	2	<5		<0.2			9
						8	Q	4	70																		2												
											251				40																								
																											2-3												
						3	Q	3	50																		5												
																											2-3												
		17	60																																				
											252																												

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH: | HOLE No.: HL-90-145
LOCATION: | ELEVATION: | PROPERTY: HARRISON LAKE | SHEET No. 37 of 49
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	Foliation	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Metres	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Qtz Dolomite	Carbonate	Intensity	% Chalcopyrite	Molybdenite	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	Zn	Mo ppm
	QUARTZ DIORITE CONT'D										252		40		30						1				1-2	½	1	252.07								
	Quartz diorite relatively fresh.																				1						7									
	bio → chl., 1-2 disseminated Fr py.																				2						4									
	cut by numerous Qz-py ± MoS2					.8	Q	3	35												+o			TR	1-2				483767	1	<5		<0.2			1
	veins.		PY								253										3															
		30		60		.36	Qch	15	50						80				20						1-2											
	253.25-253.8. Porphyritic Quartz																								1-2											
	Diorite dyke upper contact	PY		60																									483768	1	<5		<0.2			53
	@ 30° to C.A. ~20° wht 1-2mm fsp phenos.																											100								
	w/ freq (10cm) alsi w/ ~60 bio, tr py					.75	Qch	20	60		254				10				80						2-1											
	Fr w/ py.																								1-2											
	@ 253.36 cht qtz vein cuts																																			
	felsic vein (<1% py)					.8	Q	10	30														TR		1-2				483769	1	5		<0.2			200
	@ 253.78 Qz-fsp-ch @ 20°					.94	Qch	40	60						5								½													
											255				10													255.12								
	258.5-259 Relatively fresh																																			
	Qp. cut by numerous qtz-chl-py																																			
	MoS2 veins. ~3 veins/metre.																												483770	1	<5		<0.2			52
			PY	55																												2	.2			
						.85	Q	4	50		256										4		1/10		5											
						.22	Qp	5	55														2	TR	TR											
						.46	Po	2	50										48					50	2											
						.58	Q	5	50						15									5	TR.				483771	1	<5		<0.2			62
						.7	Q	5	60															5.	1			99.34								
																20	15		30																	
											257														1-2											
																													483772	2	<5		<0.2			11
											258																									
																												258.16								
																												96.72								
											259																									

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DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: HL90-145
SHEET No. 38 of 49
LOGGED BY: G. Norman
DATE: April 28, 1990

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding FP	Foliation	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	B.V.B.	Size V.B. mm	% Hornblende	Biotite	Musc./Serc.	% Chlorite	Epidote	Sericite	Garnet	QZ 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	Ag ppm	Cu	Zn	Mo ppm
	QUARTZ DIORITE CONT'D					13	PY BI	5.	60		259				40								3				10											
	as per 258.5-264.26.					26	Q	6	30								5						4				5-6				483773		<5		<0.2			22
	@ 259.28. 6mm qtz - py - chl w/ 1cm chl halo.					.97	Q CHL	30	60		260						5					2					1-2											
	@ 259.97. Qz - chl carb, large blebs of chl - carb! PY.					.05	PY CHL	5	30					3	20	20	50				20						30			96.72								
	somewhat felsic. Probably some fsp.					.15	PY CHL	5	70								50				20						30											
	@ 260.05' 260.15 PY - chl - qtz veins	PY				.35	PY	10	70								50				20						20				483774		<5		<0.2			26
	w/ no definit vein boundaries.			60		.69	Q	4	20								35										1											
	@ 261.23 2cm Qz. vein w/ ½ MoS2.					.23	Q	20	65		261						1								5	TR.				261.24								
	str ser - chl halo. 10cm.																35														483775		<5		<0.2			21
	259-264. Intrusive str chloritized mafics. hb starts coming in																																					
	~ 260 ~ 50-50% although										262																											
	hard to tell because of str chl.					.3	Q	8	70								1-2										1											
						.53	Q CHL	4	50								5-10								TR		5-10			98.36	483776		<5		<0.2			22
																	35										1											
		carb.				.9	Q	3	20		263																1											
				70		.13	Q	9	60																1-2		3											
																											1				483777		<5		<0.2			66
	@ 264.0 2.cm Qz - PY w/ 3% MoS2.					.00	Q	20	40		264						10								3		5			264.26								
	264.43-264.8. Phase change					.42	Q	11	70																		1											
	subtle contact - porphyry into					.45	Q	25	70																/		1				483778		<5		<0.2			130
	quartz - hb.	PY																							/		/											
				60							265																											
	@ 265.41 - Felsic Dyke. - 6cm @ 35°					.15	CHL MY	4	30								50				35.	10					5			100								
	w/ Trace MoS2 - dyke is cut by.					.27	Q	10	70								2								TR		TR.				483779		<5		<0.2			8
	2.5cm hull qtz vein w/ 1% MoS2 1% PY																																					
											266																											

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HOLE No.: HL 90-145
SHEET No. 39 of 49
LOGGED BY: G. Norman
DATE: April 28, 1990

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding FP Elongation	Faults	Veins: Meters	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Serc.	% Chlorite	Clay Epidote	Sericite	Garnet	QTZ Dolomite	Carbonate	Intensity	% Chalcopyrite	MoS2 Arsenopyrite	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	Cu	Zn	Mo PPM
	QUARTZ DIORITE CONT'D	MoS2			.1	Q	20	50		266			35	10								TR-1		1/2		1								
	264 - 268.5 Strongly veined w/ qtz-Po		60		.35	Q	15	60														5		2		7								
	Chl-MoS2 'one Jenner Style Po vein.													↓										↓		4.		483780	1						810
	- perv. alter - ser - enclosed Po vein.				.8	Chl py	3	50						40										15			100								
	@ 266.35 1.5cm QZ w/ heavy Chl+MoS2				.93	C	6	40		267													41												
	at edge, as well fr at edge of vein w/														20	5/6		20		7			23				267.31								
	v. heavy. MoS2 ~ 5%. - fr. fill.															20																			
	@ 266.93 Carb vein - 6mm w/ 21% PO																																		
	v. str. ser-chl halo. - 5cm.				.65	Q	30	50						5						↓	TR	1-2	41											
	@ 267.72 JENNER STYLE VEIN.			*	.72	PO Qtz	130	50		268						10/15		45	45	8	5		35			6								
	with 35% Po. ~5% CPY. Massive-Stringer				.09	Q	20	60						3		15		20		7		1-2	2			1			PPb		PPm			PPm
	PO w/ CPY at edges.															to 20							23			7		483782	1	15		<0.2			200
															↓			↓		↓			↓			7									
											10	30		30						4				1-2										
					.95	Chl py	3	60		269														5/10			100							
																								1-2										
					.45	Q	6	60															1-2					483783	1	<5		<0.2			2
										270																									
													35	75																					
	@ 270.36 2.5 QUARTZ CARB vein				.36	Q Cb	25	60															41				270.36								
	w/ <1 PO fg Chl halo 5cm; 8 uphole				.7	Cb Q	5	70											20		TR.		15					483784	1	10		<0.2			1
	downhole resp.																																		
										271																									
	@ 271.24 Quartz - chl - PO w/ Ser halo				.24	Q Ch	18	60						5							TR			1										
	@ 273 Felsic vein. - 2cm w/ TR Po.				.35	Q F	20	40						15		45		75	20					2-3										
					.51	Q F	8	50															TR					483785	1	5		<0.2			2
																41																			
					.91	Q F	5	50		272						5								10			100								
																				1				2-3										
	272.5 - 276.																																		
	Change to hb rich @ 272.5 - Phase																											483786	2	<5		<0.2			20
	change. w/ 3-5 cm cpy.										25	10		30																					
	Str chl hb. Some felsic veining.				.00	F	20	30		273													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.: HL90 - 145
SHEET No. 40 of 49
LOGGED BY: G. Norman
DATE: April 26, 1990.

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Fr. Contact	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	O.V.B.	Size V.B. mm.	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	PTZ Dolomite	Carbonate	Intensity	% Chalcopyrite	Fe2O3 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	Zn	Mo ppm
	QUARTZ DIORITE CONT'D										273			25	10		30						1				2-3		1									
	as per 272.5-276.0		PY	30																									7	273.41								
	Intrusive becomes weakly xenolithic																								Tr+		5		4		483786	2	<5		<0.2			20
	at 273.5 w/ frag to 3cm! (< 2%).		PY	90	Q	.75		5	40						2												2-3											
	@ 274. Felsic vein 1.5cm @ 50										274				10																							
																															483787	2	<5		<0.2			11
	@ 275. Sub Felsic veins. w/ qtz-fsp.										275																1-2			98.68								
	chl- py blebs ~ 5mm - 1cm																										2-3											
	@ 50°. up to 1-2 py.																																					
						.89	Q	5	65		276														TR		1-2											
	@ 276 - 279.6. Xenolithic QD w/																						1-2							276.45								
	hybridized xenoliths to 20cm.																																					
	@ 276.05 - 20cm hybridized.																														483788	2	<5		<0.2			18
	Lapilli tuff xenolith.					.75	Q	18	50								30				58						2											
					20°	.92	Q	8	20		277						50				50						TR											
	@ 276.92 Slip @ 20° w/ lt green chl.																																					
	w/ vein ‖ @ 8mm - tr py - 30%					.3	chl	30	45								68	5			25						1-2											
	chl -																35										1			94.75								
											278																											
																															483789	2	<5		<0.2			30
						.9	Q	5	20		279										97				TR		1-2											
						.45	Q	6	20								1				95				1		3			279.5								
279.6 to 280.2	HYBRID		PY																											97.70								
	with ~2% fr. py @ 45			45							280																2											

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

HOLE No.: HL 90-145
SHEET No. 41 of 49
LOGGED BY: G. Norman
DATE: April 29/90

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	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	PZT Dolomite	Carbonate	Intensity	% Chalcopyrite	MoS2	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 g/t g/t2	Cu	Zn	Mo
										280																												
280.2 to 280.9	QUARTZ DIORITE																									15/20	2.				*							
	QD with 45% hybridized xenoliths.			*		.6	Q	6	70																						483790	1	0.03	.01	<0.5 .5			
										281																												
280.9 to 284.3	HYBRIDIZED LAPILLI TUFF														50								2				<1		1	97.7								
	Strong develop of biotite w/ wk																												7									
	granitic textures.			*		53	C	30													5		7	TR		10	1		5		483791	1	0.03		<0.5			
	~30% ovid. 2-4mm fragments																						2															
										282																												
	@ 281.53 Carbonate vein w/ 10% PO																																PPb		ppm			ppm
	massive bleb. Tr CPY, 1% PY																																					
	– odd b/k py fr/ill @ 60° c/ stringer.	PY		60																										282.55	483792	1	<5		<0.2			1
	dispersed w/ 2-5mm QD stringers																																					
	throught zone.									283																												
																															483793	2	<5		<0.2			<1
										284																												
																														100								
284.3 to 292.15	QUARTZ DIORITE														35	30							4				2		1									
	BIOTITE rich quartz diorite																												7									
	w/ varible chl altern of bio.									285																			4									
	cut by several felsic dykets.																																					
						.44	Q	10	20																1-2		5-10											
	@ 285.45. 1cm qtz vein w/ 1-2%					.68	PY CHL	10	30								15/20				60						15/20			285.60	483794	1	<5		<0.2			120
	MoS2 – 10cm chl halo.						*																															
										286																	2											
	@ 286.4 – 286.63 Felsic Dyke																																					
	21cm, upper contact @ 35° lower																													100								
	w/ carb. vein @ 70°, ~5% fine chl.	35 70				63	C	15	70								5		Felsic	DYKE						<1					483795	1	5		<0.2			6
	matics, <1% PO dissem.														35	30							2				2											
										287																												

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DATE COLLARED: | NORTHING : | CORE SIZE :
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HOLE No.: HL90-145
SHEET No. 42 of 49
LOGGED BY: G. Norman
DATE: April 30/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Foliation	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	Mo.S.	Pyrrhotite	Pyrite	Sphalerite	Type Occurrence	Meters Blocks	EST. Core Rec.	ASSAY: FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2 g/t	Ag ppm	Cu	Zn	Mo ppm
	QUARTZ DIORITE										287				35		70						3				2.												
	as before.																15																						
																														100	483796	1	5		<0.2			5
											288																								9 ε			
																																	9/t		9/t 2			
						.65	F	15	20																		5-10											
						.65	Q	3	40																		1%			288.65	483797	1	<0.03		<0.5			
	@ 288.65. Felsic vein 1.5cm @ 20°																										2												
	w/ ~5-10 py is cut by .3mm										289																												
	qtz vein @ 40° w/ 1% Py & TR MoS.					.08	Q	30	60								5				84	1%	6		TR	4	5-10				*								
	@ 289.08 Qtz vein w/ 5-10 Py w/ wk.					.30	Q	5	50												85					15.					483798	1	<0.03		<0.5			
	ser at margins. Py as lam MoS.					.4	Q	3	50												85.					15.													
	@ 289.38-.4. 2 qtz-po veins @ 50°					.7	Q	7	20								15				80	1-2		TR	.5	1-2	TR							.01	.5			
	@ 289.5 5mm Felsic vein @ 40°	Py				.81	Q	7	70		290						1								TR	TR	TR												
	@ 289.6' Fr/vein 3mm w/ Po(2) chl. @ 70°			40																																			
	@ 289.7. qtz vein w/ MoSz w/ cht carb				*	.47	Po	30	65										5			33	8	4		60				100								
	in centre of vein MoSz at edges					.55	Q	3	35												50	50	6			TR	+				483799	1	0.72		1.0			
*	@ 290.47 Massive Po vein (60 po)					.64	Q	3	30									20			95			TR		5	3 disseminated po.											
	fri-sharp contacts @ 65° w/ ~33% Carb.					.9	Q	3.	40		291													TR		12													
	w/ ser - po halo 290.4 - 291.2.																																						
	@ 291.54. Vein w/ qtz rich margins																																						
	central core w/ cht carb - py.	Py				.54	Qc	8	40								5%				65	15			TR		10			291.69	483800	1	<0.03		<0.5			
	@ 292. Felsic DYKE 5.5cm @ 20°			25																																			
	w/ 10% chl mafics ↓ Po < Py TR MoS					.83	Q	8	70		292														TR		5												
292.15. to 312.7	HORNFELS (TUFF / Lapilli Tuff.															60		20		5		20	6																
	Strongly hornfels - hybridized near					.52	Po Q	25	10															TR	1	10	2				483801	1	<0.03		<0.5			
	contact w/ QD. w/ bands / patches					.78	Q	7	30								10 15									TR	10												
	of garnet - ep to 15cm. As well					.00	Q	6	30		293														4		20			97.38								
	some veins w/ massive Po.					.60	Gt	10	80									50		50																			
	@ 292.52 qtz vein w/ 10 po as massive																																						
	patch. - TR MoSz 1% Py, 1cm qtz halo																														483802	1	<0.03		<0.5			
	@ 293. Qz-Py cut garnet band.			*	*	.68	Po	90	30										2				9	1	TR	15		TR											
*	@ 293.68 JENNER STYLE - PO VEIN										294																												

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DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No.: HL 90-145
SHEET No 43 of 49
LOGGED BY: G. Norman
DATE: April 30/90

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Chill	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	% Meters	B.V.O.	Size V.G. mm	Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Mo.S.	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 g/t	Au 2 g/t	Ag g/t	Cu	Zn	Mo
	HORNFELS. CONT'D.					2	Qz	10	80		294				60			50		50			5						1									
						.38	Qz	150	50									25		75									4	97.38									
	Garnet ep veins - bands @:																												7										
	294.2 1cm - 50-50 ep-gt.																													294.74									
	294.38 11cm / 7cm massive gt					.35	Gt	70	90		295									90			✓			10-15													
	4cm massive (50%) ep				*	.04	Q	10	60														10	TR	TR	10 10-15													
						.08	Q	150	60																														
	294.85. 4cm massive qtz					.21	Q	10	60																	10-15													
	@ 295.04 - 295.5. JENNER STYLE					.29	Q	35	60																TR	15	5-10	.5											
	Quartz - PO veins.	.26			*	.5	PO	100	25 35														✓	1-2	TR	50 60	1												
	Vein @ 295.72 w/ 50-60 PO; 1% PY					.98	Gt	10	90		296									100						-													
	TR MoS2. 1-2% CPY.					.12	Q	15	50								5						5			5	5			76.50									
						.31	Q	10	70								2					2				3													
																																483805	1	<0.03	.01	<0.5 .5			
	@ 297.23 9cm QD dyke										297																												
	@ 297.7 3cm qtz vein w/ <1%					.17	PY PO	12	70														1-2			25	25						PPb		PPm			PPm
	chl, 3cm gouge d'hole contact																													297.48		483806	1	15		<0.2			29
	10 QD dyke below vein																																						
	298 - 298.8. discont. garnet ep bands					.7	Q	30	30								4																						
	11 to fol. @ 75.										298																												
	298.39 - Felsic Dyke - 10cm @																									1-2													
	40°. 1-2% dissem PO.																																						
	cuts garnet band		75																													483807	1	<5		<0.2			<1
			PY																																				
	@ 298.9 QUARTZ DIORITE DYKE.			30							299																			100									
	20cm @ 60° Tr w/ pyr. fills																																						
	298.9 - 304.5 Hornfels. weaker																																						
	alteration than previous - wken																															483808.	2	<5		<0.2			6
	ep.-gt.- NO PO-veining. Many.																																						
	H green-gt-chl vn/ts sub // to foliation										300									<1																			
	@ 60. odd ~~qtz~~ - po vn. - Numerous																																						
	QD dykes.																																						
						.46	Qz	6	45								15										10			300.53									
						.5	Q	5	30																					100									
						.68	Q	8	40		301												✓		TR		10		✓										

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HOLE No.: H90-145
SHEET No. 44 of 49
LOGGED BY: G. Norman
DATE: April 2° 1990

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	FP	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	B.V.B.	Size V.B. mm	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	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	Au 2	Ag	Cu	Zn
	HORNFELS CONT'D.					.02	Gn	5	60		301				60			25		75			1			TR	TR		1									
	as per 298.9 - 304.5. w/																						1				tr.		4									
	fine grained lapilli beds (tress ±1mm)																						1				4		7									
	@ 301.02. 5mm qt-cp ∥ fol. at 60																						1						1		N.S.							
	@ 301.67 Qz Diorite Dyke 25cm @ 65.										302												1						1									
																		1		2			1						1									
	@ 302.15 Qt-cp ∥ foliation.																						1						1									
																							1						1	100								
	302.9 - 303.0 patches cp-qt.																						1						1									
											303							4		4			1						1									
																							1						1									
	@ 303.58 Quartz Diorite Dyklet		Py																				1			•			1									
	8cm at 60°, fresh, cut by.		25																				1						1	303.58								
	1cm Felsic vein @ 40°																						1						1									
											304												1						1									
																							1						1									
	304.5 - 308.0 Hornfels. cut by																						1						1									
	several. QD dykes. NO qt-po																						1						1									
	veining, odd qtz-po vein.																						1						1									
	relatively unmineralized. Mod fr.										305												1						1									
	odd one w/ py.																						1						1									
	Quartz Diorite Dykes @:	50																					1						1	100								
	@ 304.88 - 6cm., 305.38 - 50cm		QZ	DIORITE	DYKE									20	20		45						1				1		1									
	@ 305.88 - 14cm - @ 65°, 306.23 - 11cm @ 70°	70																					1						1									
	@ 305.52 - 10cm.										306												1						1									
	@ 305.75 - 3cm ep. vein @ 60.																						1						1									
																							1						1									
	308.0 - 312.7 HORNFELS -																						1						1									
	finer grained - tuff well					.5	ep	30	60									100					1						1									
	laminated @ 50 Cut by										307												1						1	306.93								
	Several 2-15cm qtz veins w/																						1						1									
	garnet - ep - chl - py. Tuff					.3	Gn	3	50									30					1		TR		4		1									
	becomes massive if grained 309.2 -					.56	Gn	20	60														1						1	100								
	312.7.		Py																				1						1									
			50	50							308												1						1									

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HOLE No.: HL 90 - 145
SHEET No. 45 of 49
LOGGED BY: G. Norman
DATE: April 30, 1990

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Fol. Cleavage	Faults	Veins: Meters	Type	Thickness mm	Angle	Intensity	Meters	% V.S.	Size V.S. mm.	Hornblende	Biotite	Muscovite/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 ppb	Au 2 PPB	Ag ppm ppm2	Cu	Zn	Mo ppm
	HORNFELS CONT'D										308												4															
	as per 308.0 - 312.7.					25	Q	20	20																		1-2.											
						20 65																																
	@ 308.25-65 irreg qtz vein @ ~20° ~2cm & / py on fr within										309																				483809	1	<5		<0.2			12
						19	Q	160	60 50									<1		1-2							TR.		100									
																															483810	1	<5		<0.2			1
											310																			309.98								
	@ 310.05 str fr @ 30° w/ py irreg qtz vein w/ qtz sub 11 to Fr'ing.		Py	30																																		
						5	Qz	7	75									30		30	30	<5					5				483811	1	<5		<0.2			4
	@ 310.52 banded vein qtz - gt - cp - py - 45 ourb.										311																											
						06	Q	5 20	80									1		1																		
						.3	Q	25	70								5																					
						.45	Q	10	75																				100	483812	1	<5	2	<0.2 .1			2
						.86	Q	35	30									5		2-3							1-2.											
											312																											
						.15	Qz	15	30									20		30	50										483813	1	<5		<0.2			<1
312.7 to	QUARTZ DIORITE	30									313	1-2	30		15								0				<1			313.03								
321.0	Med grained biotite rich (30) w/ 1-2% hb planocryst to 5mm		45																																			
	med - chl ~50 w/ wk diosem.													Felsic DYKE																	NS							
	py ≤ 1%. Upper contact @ 30. lower at 10-20° to C.A.										314	1-2	30		15																							
	@ 313.3 - 313.53 Felsic DYKE @ 45 w/ fine sericite & chl.																													101.31								
											315																											

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HOLE No. : HL 90-145
SHEET No. 46 of 49
LOGGED BY : G. Norman
DATE : April 30/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Foliation	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Metres	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	Zn	mo PPm
	QUARTZ DIORITE CONT'D										315			1-2	30		15						0				<1		1										
	as before.																												7										
																														101.31	NS								
	Quartz diorite wkly fr w/.																																						
	wk carb-anhydrite fr fills										316																			316.08									
	<1 % disem py.					14.	C	2	20																														
	Rock is very fresh & unaltered.		py																																				
				20																																			
											317																												
	anhydrite - carb																																						
			60																											96.72									
			65	carb po							318																												
																							2						4										
																													1										
																													7										
				70		73	Q	5	70																		5-10				483814	1	<5		<0.2			1
											319																			319.13									
																							0																
																															NS								
											320																												
																														100.33									
											321																												
321.0 to 324.2	HORNFELS.														60 to 70								1				<5											
	Black hornfels w/ granitized sections																																						
	Two bands w/ garnet ep at 321.75 &																																						
	322.8. Granitized at 321.5 - 321.85, 322.0,																																						
	322.21 (10 cm) ~½ v-fine disem Pd.										322							5		2		80																	

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HOLE No.: HL90-145
SHEET No. 47 of 49
LOGGED BY: G. Normen
DATE: April 30/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleavage/Foliation	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	A.V.G.	Size V.G. mm	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	PTZ 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	MO PPM
	HORNFELS.					12	Q	5	75		322				60								0			5	<1		1								
	as before					23	Gt	3	70						40			40		60									4	322.17								
			cl	po											70														7		NS							
				70																																		
											323																											
											324																			100								
324.2																																						
324.38	HYBRID – 16 cm.														40																							
324.38 to 326.76	QUARTZ-MONZONITE																		30				7			23	<1		7		483815	1	<5	H	<0.2 .1	97		9
	Leucocratic intrusive w/ ~30%																																					
	Sericite altered (mafics) ~20% qtz.										325																											
	48% fsp ~2-3% dissem po																													325.22								
	traces py. Graduational upper																																					
	contact. xenolithic lower contact.					58	Qc	6	70																	TR					483816	1	10		<0.2	86		1
	@ ~70°		Carb																																			
	Cut by numerous Fr-fill/vein			70							326																											
	qtz-carb. at ~60°																																					
																															483817	1	<5		<0.2	94		<1
																														100								
326.76 to	HORNFELS.										327				60								0															
	Very fine massive dk brown- to																																					
	grey blk f-g tuff. Moderately																																					
	hornfels.- cut by ep stringers																																					
	& b/L qtz stock work. Also																																					
	intruded by Quartz diorite and										328																											
	Felsic dykes. Very minor sulphides																													328.27								
	(py-po) as b/L fr fills																																					
	@ 328.65 23 cm Felsic Dyke.																																					
											329																											

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.: HL 90-145
SHEET No 48 of 49
LOGGED BY: G. Norman
DATE: April 30/90

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	QTZ	Carbonate	Intensity	% Chalcopyrite	Arsenopyrite	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	Mo ppm
	HORNFELS CONT'D										329		60								0						1									
																													483818	1	5		<0.2	100		2
	@ 329.66 - 330.4 FELSITE DYKE																				4			2 -			1									
	Upper & lower contacts @ 30' 50 resp.										330													5												
	qtz-fsp rich dyke w/ 3-5%																				2						1									
	fine dissem Po.																				to			TR			4	95.74								
																					3								483819	1	<5		<0.2	67		7
	@ 330.39 8mm Quartz Diorite																																			
	dykelet at 30 w/ blet perch.										331																									
																												331.32								
	@ 331.65 FELSIC DYKE																							5.					483820	1	<5		<0.2	113		26
	9cm @ 50° ~ 5% dissem po.					18	Q	10	55														TR	TR	TR											
											332													2-3												
	@ 331.98 FELSIC - QZ. DIORITE																																			
	13cm @ 60°, ~30% mafic w/																												483821	1	<5		<0.2	88		1
	2-3 py.																																			
	@ 332.53 FELSIC DYKE										333																	96.67								
	upper cont irreg ~ 70°, 5% blk bio																																			
	~20 chl - bio ~ 1% py at upper																																			
	contact lower contact @ 55°. Dyke																								<1				483822	1	<5		<0.2	50		1
	is 9cm thick.	70											30		35						1			1			1									
	@ 333.6 - 334.6 QUARTZ DIORITE DYKE										334																									
	~25° chl bio. ~5% blk bio, ½ dissem																											334.37								
	Mt, 1% dissem po.																																			
		60																											483823	1	5		<0.2	46		37
						18	Q	3	70				60								4				<1		1									
	@ 334.9 9mm Qz - MoS_2 (3) str					9	Q	9	45		335												3.	TR	2		4									
	at edges					00	PY	2	45															30			7									
	@ 335.23 4mm discont. qtz w/ <1 PY					23	Q	4	40							<1								<1				101.64	483824	1	<5		<0.2	67		3
	tr Mt. <1 ep.																																			
	@ 336.0 — 337. zone of Qz veins w/																																			
	Po.										336																									

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.: HL 90-145
SHEET No. 49 of 49
LOGGED BY: G. Norman
DATE: April 30/90

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	a.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 PPb	Ag PPM	Cu PPM	Zn	Mo PPM
	HORNFELS CONT'D										336				60								5						1									
	@ 336-336.3 - Carb-PO Fr filling ~5% PO																									5			4									
	@ 336.32 - Qz w/ bmd PO-PY (25%)					.32	Q	16	70																	20	5.		7	101.64	483825	1	240		0.3	96		<1
						.9	Q	7	80		337															1/15												
	@ 337.33 Felsic Dyke -23 mm																						1								* 483826	.41	<5		<0.2	58		1
	@ 40° w/ 5 disem PO.														✓								↓			5.			✓	337.41				9	.2			
	E.O.H. 337.41																																					

HL 90-146

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5
LOCATION: Hill Stock
DATE COLLARED: April 3/90
DATE COMPLETED: April 7/90

DEPTH	DIP	AZ.
0	-81	143°
296.27	-82	134.5
220.07	-82	133.5
143.87	-82	134.0
67.67	-82	132.5

Note: Magnetic readings in hole disregard readings.

LENGTH : 305.7m
ELEVATION : 753
NORTHING : 7126
EASTING : 11311

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

HOLE No. : HL 90-146
SHEET No. 1 of 44
LOGGED BY : G. Norman
DATE : April 23 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Lineations	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Metres	A.V.G.	Site V.G. mm.	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Limonite	Pyrrhotite	Pyrite	Sphalerite	Mt	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2 ppb	Ag ppm	Cu	Zn	Mo ppm
0-3.05	CASING. Bedrock very close to surface.										0																													
											1																													
											2																													
											3																				3.05									
3.05 to	QUARTZ DIORITE. (COARSE). Medium to coarse grained quartz diorite w/ ~40% mafics. 30% chl. hb, 10 blo ±chl, ~15 qtz. ~45 fsp (wk → chay) w/ ~½% disem Mt, <½ disem py → lim wkly. Mod fr. w/ lim on fr. @ 40/50° to C.A.			0		100	4	20	70		4			30	10		30	5	50				3 / 5 / 3		2 / 10 / 2					1 / 7 / 4	81.69	483201	1	35	17	<0.2 / .1			<1
	Odd. Strongly lim. qtz vein w/ blebs of ±py. @ 40 Vuggy lim qtz vein @ 70°. ser. altered halo. (3.05 to 8.8)			15 / 20							5																				5.18	483202	1	90		<0.2			5
				30							6																				94.24	483203	1	5		<0.2			<1
											7																													

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. : HL90-146
SHEET No 2 of 44
LOGGED BY : G. Norman
DATE : April 23/90

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Foliation	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	A.V.G.	Size V.G. mm.	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Clay	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Lim.	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	Zn	Mo ppm
	QUARTZ DIORITE COARSE COUTD										7			30	10		30	5					2		2		4/3	1/4										
	as per 3.05 - 8.8			50																										94.24								
											8																			8.23								
	8.8 - 15.0. Quartz Diorite as per 3.05 - 8.8 - mod-str lim on fr. cut by several vuggy limonitic 1cm quartz veins. at 20-30° & 70° to C.A.				20						9														50						483204	1	<5		<0.2			1
																									2					100	483205	1	10		<0.2			5
	@ 9.1 SMALL SLIP - 1cm gouge broken rock. @ 20 - str lim. w/ 1cm chl halo.										10																				483206	1	<5		<0.2			13
	11.0 - 11.5. Str broken w/ str lim on fr cut by 1cm qtz veins vuggy w/ lim. Str ser altn pervv. w.r.t qtz veinlets.										11																			11.28								
						.12	Q	10	70										20				5		10						483207	1	320		0.8			11
						.28	Q	10	30														2		2													
											12																											
																														90.82	483208	1	10		<0.2			7
	13.4 - 15. Str fr @ 70° w/ lim. ser haloes. cut by qtz veins										13														5													
						.1	Q	10	20																													
	@ 13.65 Vuggy qtz vein @ 20° w/ <1% py & blk oxide			70															20				5		10		4				483209	1	20		<0.2			14
						.65	Q	10			14			✓	✓		✓	✓					✓		✓													

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.: HL 90-146
SHEET No. 3 of 44
LOGGED BY: G. Norman
DATE: April 23/90

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding Fr. Chert/Tuffs	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	Size V.G. mm	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Clay Epidote	Sericite	Garnet	Quartz Dolomite	Carbonate	Intensity	% Chalcopyrite	Lim Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Mt	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY: FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2	Ag ppm	Cu	Zn	Mo ppm
	QUARTZ DIORITE COARSE CONTD		80							14		30	10		30	5	50				5		10		<1	1/4	1			*								
	as per 13.4-15.0																										7		14.33									
	@ 14.43 - 1.5cm vuggy qtz @ 10. w/ str ser. halo				.43	Q	15	10																.80			4			483210	1	500	564	1.8 1.7			10
	14.72 - 14.79 7cm of v.str lim gouge									15							✓				2				<1	1/4												
	15.0 - 25.0 Relatively unaltered. quartz dio with mod-str friting some w/ crumble qtz w/ lim ~5mm.									16																			90.82	483211	2	20		<0.2			2
	@ 24.2 - 24.4 str ser-clay per. no vein?																																					
	@ 16.5 2.5 cm vuggy qtz w/ <1% PY some wk blk oxide (lim) sharp contacts.				.5	Q	25														3				<1													
			70							17															<1													
	@ 17.2 str fr @ 20° w/ lim.		.20																										17.37									
	@ 17.37 broken core w/ 5mm vuggy qtz vein.				.37	Q	5	?																						483212	2	5		<0.2			5
	@ 18.65 str fr. w/ qtz. - lim. infilling @ 30		30							18																												
	@ 19. str fr @ 5° sub/lt c.a. w/ lim.		.5.							19																			100									
																														483213	2	<5		<0.2			4
										20																												
			.35																				30						20.42									
			.98																40				5						96.72									
										21																												

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.: HL 90-146
SHEET No. 4 of 44
LOGGED BY: G. Norman
DATE: April 23/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Angles: Bedding Fractures Cleavage Foliat.	Angles: Faults	Veins: Metres	Veins: Type	Veins: Thickness mm	Veins: Angle	Intensity	Meters	a.v.g. Size V.G. mm.	% Hornblende	% Biotite	% Musc./Seric.	% Chlorite	% Slag Epidote	% Sericite	% Garnet	% QUARTZ Dolomite	% Carbonate	Intensity	% Chalcopyrite	% Limonite Hematite	% 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	Zn	Mo ppm
	QUARTZ DIORITE COARSE CONT'D			30						21		30	10		30	5					2		20		4		1									
																							<5				7									
	as per 15.0 – 25.0																												483214	2	<5		<0.2			2
	mod – str fractured. w/ heavy lim.									22																										
																												92.72								
										23																										
			35																				15													
																							<5					23.47	483215	2	420		1.2			2
										24																										
																40	40				5															
	a 24.2 – 20 cm str – sm – clay		75													<5					2															
	altered bond w/ fr a 75°.																																			
										25																½										
	25.0 – 30.0 Relatively fresh														15								<2				1	97.38								
	QD similar to above. – lim on																										4									
	fr weaking c'py becoming																										7		483216	1	40	38	<0.2 .3			50
	predominate by. 28.0.			60	.77	Q	90	60																												
	a 25.77 9cm crumbly (str fracd)									26																										
	quartz vein w/mod lim. 1.5cm																											26.52								
	of gouge at lower end. contact																												483217	1	<5		<0.2			2
	fr w/ str lim.																																			
										27																										
																												100	483218	1	440		1.0			15
										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.: HL90-146
SHEET No 5 of 44
LOGGED BY: G. Norman
DATE: April 23/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Fracture	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 Mt.	Type Occurence	Meters Blocks / EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 PPb	Au 2	Ag PPm	Cu	Zn	Mo PPm
	QUARTZ DIORITE COARSE CONT'D										28										3						1									
	eu per. 25.0 – 30.0					.33	Q	10	50						2										2		5									
	@ 28.33 1cm qtz vein @ 50° w/																												483219	1	5		<0.2			1
	2% py blebs to 3mm. ~2% chl																											100								
	near edges of py.										29																									
	@ 29.33 qtz vein w/ 3% py & Mt					.33	Q	18	65						2						4				3	½										
	chl halos					.5	Chl	10	70						30										<1	TR		29.57								
	@ 29.5. carb-chl w/ <1% PY TR MT.																												483220	1	40		<0.2			4
	chl halo between two veins					.95	Q	5	40		30				2								TR		4		5									
												35	5		15										<½	<½										
	30.0 – 36 Relatively unaltered.														to						1															
	Quartz dio. weak fr w/ wk.														20														483221	2	30		<0.2			3
	lim. Tr ~~disem~~ py ~ 1½%																																			
	chl. of hb – bio (15%). bio ~ 5%.										31																									
	rest hb. ~ <½ disem Mt.																																			
	Numerous qtz-chl-py - MoS2. 340-360.																											100								
											32																									
	32.07. Fr w/ C. @ 50°, TR PO.			50																																
																												32.61	483222	2	5		<0.2			2
											33																									
																												97.05								
											34										3															
						.25	Q	5	20						2								TR		5											
						.38	Q	7	20						5								TR		1											
															15										<½				483223	1	<5		<0.2			16
	35.0 Quartz chl vein w/ chl.														20																					
	halo. Tr MoS2.					.00	Q	20	30		35				30								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.: HL 90-146
SHEET No. 6 of 44
LOGGED BY: G. Norman
DATE: April 23

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.E.	Size V.E. mm.	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	QUARTZ Dolomite	Carbonate	Intensity	% Chalcopyrite	Mos2	Pyrrhotite	Pyrite	Sphalerite Nit	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 g/t	Au 2 PPB	Ag g/t PPM Z	Cu	Zn	Mo
	QUARTZ DIORITE (COARSE) CONTD.					.1	Q	5	30		35			35	5								2	TR.		1%	TR		1										
						.4	Q	5	30								15										10		4	97.05									
	as per 30.0 – 36.0					.48	C	5	80																		TR	TR		35.66	483224	1	0.07	101	0.7 .2			
						.68	Q	20	45																5		<1												
	35.68 * 2cm Qz. – MoS_2 (5%) w/										36																												
	<1% PY.																																						
	36.10 – 38.71 QD as before					.78		3									5										10				483225	1	<0.03		<0.5			
	w/ Jenner Style Vein at.																																						
	37.11 w/ banded PY(15) Po(5)			*	*	.11	Q	45	70 80		37													TR		5	15												
	tr CPY. (Jenner veins have				*	.23	Q	15	55								20		30				8			3	10		5										
	Po) also 37.23 quartz – w/PY-Po																													102.62									
	related to above. – Ser – chl halo.																15						2						1		483226	1	1.54		3.4			
											38																												
																																↑	PPB		PPM				PPM
																															483227	.71	<5		<0.2				1
														↓	↓		↓													38.71									
38.71 to 39.83	ANDESITE DYKE	40									39			5			30						0				TR												
	Post mineral fine grained med-dk grn.																																						
	w/1mm white fsp specks, bk																																						
	mafic specks. flow banded lower																																						
	contacts – both sharp. odd fr/fdsPY	55															↓																						
											40			35	45		30																						
39.83 to 41.05	QUARTZ DIORITE COARSE																										<½	<½											
	very similar to before, <½ PY																													100									
	mod-str chl mafics																																						
											41																												
41.05 to 43.62	ANDESITE DYKE	40																																					
	POST mineral dyke as before													5			30						0																
	patches QD at 42.0 – 15cm, 42.6 – 13cm																																						
	Lower contact @ 60. – becomes																													41.76									
	v-fine grained, lter in colr.										42																												

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.: HL 90 - 146
SHEET No. 7 of 44
LOGGED BY: G. Norman
DATE: April 23, 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	MoS2	Pyrrhotite	Pyrite	Sphalerite-Mt	Type Occurrence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2 ppb	Ag ppm	Cu	Zn	Mo ppm
	ANDESITE DYKE CONT'D										42											0															
	as before.																																				
											43																										
		60																				2					TR		100	483228	1	<5		<0.2			2
43.62 to	QUARTZ DIORITE (COARSE.) very similar to previous descrip. w/ str chl hb, bio. <5 py. total w/ fr. fill ~ 3.					.05	Q	3	25		44		35	5		40										10		5		483229	1	5		<0.2			3
											45																		44.81								
	@ 45.41 Jenner Style Vein. 3cm @ 75°, 15 PY (Py instead of Po). sulphides strung out - w/ 5cm str chl halo.				*	.41	Q	30	75				30	10		40								TR		15				483230	1	9lt 0.34		9lt <0.5			
						.15	Q	4	25		46						.60									15 20				*		ppb		ppm			ppm
	45.5 - 51.77 Quartz Diorite. very similar to above. Relatively unaltered. Minor traces dissem PY. only traces Mt., mafics mod. strongly chl. Cut by add quartz-py MoS2 veins. grain size med-coarse. appears to somewhat finer grained with increase in % fine biotite.					.31	Q	5	25		47					5										20		5	100	483231	1	150	135	<0.2 .1			3
																													47.85	483232	1	<5		<0.2			3
						.88	Q	6	85		48					2								TR		2		5									
																													100	483233	1	<5		<0.2			1
											49																										

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.: HL 90-146
SHEET No. 8 of 44
LOGGED BY: G. Norman
DATE: April 23, 1990

METERS FROM-TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	~~Foliation~~ FG	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Metres	O.V.G.	Blue V.G. mm.	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	QUARTZ ~~Dolomite~~	Carbonate	Intensity	% Chalcopyrite	MoS_2	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	Zn	MO ppm
	QUARTZ DIORITE. Cont'd.										49			30	10		40						2														9t 2			
	as per 45.5 - 51.77.																															483234	1	<5		<0.2			1
											50																				100								
	@ 50.46. Quartz - PY - MoS_2 = vein @ 80°, some lim on fr., chl halo. 2cm.					.46	Q	3	80																TR		3				50.90	483235	1	<5		<0.2			18
											51																													
																																483236	1	1195 1.17		2.6 3.0			11
	51.77 - 53.54. Zone of Jenner Style veining and altern haloes.			*		.77	Q	70	85		52						30		15				8	TR TR²	TR	5-10 2	2 TR	2.5	sphal.		92.46							
	*@ 51.77 7cm. banded qtz vein @ 85° w/ 5-10 PO, 2 PY 2.5% sphal. TR MoS_2 - TR CPY - 2cm upholes ser. halo.		70	*	.04	Q	15	50												50						40	10				483237	1	9/t 2.50		9/t 5.1			
				*	.6	Q	10	50																																
			*	*	.95	Q	25	70 65			53	1	2.1												11	TR	5	10				*							
	@ 52.17 fr fill w/ 5% PO 3% PY some qtz. @ 70°			*	.4	Q	90	80									↓		↓				↓		41	3	1					483238	1	6.86	7.06	22.6 22.0			
	52.7 - 52.95. Str fr w/ PO ~ 10 w/ 1% PY.													35	5		40						2					21			53.95								
											54																													
	** @ 52.95 27.5cm quartz vein upper and lower contact @ 70, 65 respectively - banded vein, 5% PY TR PO, 1.0% Arsenopy, 10% sphal possibly 1 count. Au, Py w/ arseno, Sphal w/ arsenopy. Sphal in contact py - arseno on edges.																															483239	1	0.07		1.0			
											55																				100								
	53.54 - 58.8. Quartz Diorite. Grain size is med-coarse grained subtle change. – cont'd next page.										56												↓									483240	1	<0.03		<0.5			

BEMA GOLD CORPORATION

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

LENGTH:
ELEVATION:
NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: HL90-145
SHEET No. 9 of 44
LOGGED BY: G. Norman
DATE: April 23, 1990

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	FR Elongation	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	a.V.S.	Bits V.S. mm.	% Hornblende	Biotite	Mets./Sulf.	% Chlorite	Epidote	Sericite	Garnet	Qz-T Dolomite	Carbonate	Intensity	% Chalcopyrite	Mo2 Arsenopyr	Pyrrhotite	Pyrite	Sphalerite Mt.	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE # TO	Sample Length	Au 1 g/t	Au 2	Ag g/t	Cu	Zn	Mo
	QUARTZ DIORITE (MED).										56			35	5		40						2				4/2		1									
																												4									
	53.54-58.8. Cont'd from prev. page																											7	100	483241	1	<0.03		<0.05			
	similar mineralogy w/ 35 chl.																																				
	hb. ~5 chl. bio. Tr			*		.00	Q	20/30	?		57												6	TR		20			57.0								
	dissem Mt. ~ 1/2 dissem PY.																						2			4/2						PPb g/t		PPm g/t			PPM
	odd fr w/ py.																													483242	1	5240		11.0			8
																								5		5-10						5.07		10.5			
	Grained vein @ 57.0 2-3cm.					.86	Q	7	65																												
	w/20% PY traces CPX					.02	Q	6	55		58													10		10											
						.12	Q	3	10															5	TR	5-10											
																										4/2											
	58.8-64.5. Quartz diorite (Med.					.5	Q	6	70															<.5	1-2	TR 2			100	483243	1	70		<0.2			43
	relatively fresh w/ change to more																																				
	bio rich to 35 bio but variable					.1	Q	4	20		59														1	2											
	rock is lineated grnd w/ 1-2mm													20	20		20						3	TR.		1/2	TR										
	bio. ! hb to 5mm. Ave is 50:50			70																																	
	bio-hb. hb is more chl.					.58	Q	5	5/10															TR	TR.	5-10				483244	2	20		<0.2			64
	Cut by 4mm/1cm qtz-py MoS_2																									1/2											
	veins @ 10-20 ! 60-70 to C.A.										60																		60.05								
	odd fr w/ wk lim.																																				
	@ 59.33 small slip @ 70° w/2mm gouge																																				
	@ 59.58 5mm Qz-PY MoS_2(Te)																								1-2	<1											
	runs sub parallel to C.A to 60.5					.72	Q	10	10																												
	odd fr w chl-py										61															1/2											
																													100	483245	2	5		<0.2			4
											62																										
	@ 62.3 Fr w/ carb. - 1mm.																																				
	62.6-63.0 Qz-PY cuts sub ll					.6	Q	2	0																	20											
	to C.A.																									1/2											
											63																										

BEMA GOLD CORPORATION

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

	DEPTH	DIP	AZ.

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ELEVATION:
NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: HL 90-146
SHEET No. 10 of 44
LOGGED BY: G. Norman
DATE: April 24 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.S.	Also V.S. 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 ppm	Cu	Zn	Mo ppm
	QUARTZ DIORITE (Med). Cont.										63			20	20		20						3				1½		7	63.09								
	as per 58.8 - 64.5.																														483246	2	10		<0.2			2
											64																											
	64.5 - 77.4 QUARTZ DIORITE. w/ granitized xenoliths. ~30-40 xenoliths. Progress ↑% downhole. Minor qtz-py-chl veinlets at 15-20° to C.A. - Large xenolith at 70.83-71.7. w/ some garnet. wk fr py. <1mm. 64.5 - 70.5 ~30-40% xenoliths up to 10cm aver. 4-5cm. more bio rich w.r.t xenoliths. still odd fr w/ lim.-py-chl.										65																		96.7									
																															483247	2	5		<0.2			6
														10	30		5						1+				1½	2/3	1									
											66						40						2						4									
																	10												7	66.14								
						5	Q	6	20								10										1/3											
																	5										1½											
											67						10										2											
																															483248	2	30		<0.2			5
																														92.46								
						2	Q	4	15		68						2										5											
																	5										1½											
																	40																					
																	10																					
											69																											
																														69.19								
																															483249	2	5		<0.2			2
																														96.35								
											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.: HL 90-146
SHEET No. 11 of 44
LOGGED BY: G. Norman
DATE: April 24/90

METERS FROM-TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Angles: Bedding	Angles: Foliation	Angles: Faults	Veins: Metres	Veins: Type	Veins: Thickness mm	Veins: Angle	Veins: 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 ppb	Ag ppm ppm2	Cu	Zn	Mo ppm
	QUARTZ DIORITE										70	5	35		20						1					1	1									
	as per 64.5 – 77.4																									4										
						.45	Q,1	8	65						5			4							5-10				483249	2	5		<0.2			2
	70 – 77.4 Increase in xenoliths.					.5	Q	2	20																15			96.35								
	to ~ 50% add Qtz – py-chl.			20	w/py						71																									
	vnlt.																											71.32								
																													483250	2	5		<0.2			3
																												100								
											72																									
																												72.34								
											73																									
																													*							
	@ 73.3 Qtz-chl vein w/ 15° PY					.3	Q chl	15	60							20			45	20			TR.		15				483251	2	<5		<0.2			3
	Tr MoS2. 20% carb																											100				2	.1			
											74																									
	@ 74.8. 10% PY. 1° to fol.			40							75														10											
	in xenolith.												40															75.29								
	@ 75 fr @ 45 w/ chl minor PY																												483252	2	<5		<0.2			2
	75.0 – 77.4 Hybridized xenolith.		20			2	Q	2	10		76														20											
																												100								
						3	Q	7	55											10				4	3											
						.65	Q	3	15							5									15											
											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.: HL90-146
SHEET No 12 of 44
LOGGED BY: G. Norman
DATE: April 24/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Fr Structure	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	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	Ag ppm	Cu	Zn	Mo ppm
	QUARTZ DIORITE (Med). CONT'D										77		40								–				1		–										
	on pg 64.5–77.4												↓								↓				4		4										
		60										20	10		20						1				TR.	½	7			483253	1	10		<0.2			3
77.4 to 81.75	QUARTZ DIORITE - (COARSE).																				+2							100								
	Coarse grained quartz diorite										78																										
	w/ ~ 30% mafics ~ 20 chl																											78.33									
	hb 2-10mm., ~10% blk bio.																																				
	~70 fsp-qtz, ½% disseam Mt					65	Q	4	20														TR.		5				483254	1	<5		<0.2			68
	traces disseam Py, odd xenolith																																				
	to 3cm.					8	ch	20	20		79				70									20	10												
	weak qtz-py- veining.														20										TR												
	Mod fr @ 30-40 ; 50-75°. w/			35																																	
	chl-py- chl-carb.																																				
																												100									
	@ 79.57 fr filled w/ 5% Po-carb			30							80																										
	1-2mm @ 35°																																				
	@ 79.9 fr w/ anhydrite @ 30																																				
						6	Q	8	15													TR	to	1	1				483256	1	10		<0.2			36
	@ 80.6 - Qz w/ 1% Po, 1% Py-																								TR												
	w/ fine MoS2, edge of vein slip										81																										
	w/ smeared MoS2.																																				
						47	Q	5	70														<1					81.38								
						48	Q	4	45															10					483257	1	105		<0.2			26
						67	Q	2	70				↓		↓								TR.		5												
81.75 to	HYBRID / QUARTZ DIORITE										82		40														1										
85.37	Granitized sediment w/ short																				1						4										
	sections of quartz diorite (82.0-																																				
	82.75, 84.58 - 84.77					6																						98.86	483258	2	<5		<0.2			25
											83																										
											84		↓								↓																

BEMA GOLD CORPORATION

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

DEPTH | DIP | AZ.

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ELEVATION:
NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: HL 90-146
SHEET No. 8 of 44
LOGGED BY: G. Norman
DATE: April 24/90

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Cleavage	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	B.V.B.	Size V.B. mm.	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	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	Zn	Mo ppm
	HYBRID / QUARTZ DIORITE as per 81.75 - 85.37.			.25							84				40															84.43	483257	2	<5		<0.2			14
						.88	Q	15	50		85						40								<1/10		15											
85.37 to 89.10	QUARTZ DIORITE COARSE as per 77.4 - 81.75 relatively fresh v. wkchl.													25	10		5						2				TR	1/2	1/4 7	96.06								
											86																												
						.14	Qn	3	30																														
																	30										15				483260	2	10		<0.2			3
						.77	C	3	60								5									<1	<1											
											87																												
																														87.48								
	87.71 Slip w/ py. wk altern holo. @ 70° w/ 5-10 PO 1 PY			.71																																			
											88																												
						.24	Q	6	45																		5											
	88.4 - 89 fr w/ chl. - py anhydrite					.4	Q	10	45								10								TR		<1				483261	2	<5		<0.2			3
																														100									
											89																												
89.10 to 92.42	HYBRID / QUARTZ DIORITE. Granitized sediment w/ short sections of Quartz diorite, also small polykilts of GD throughout.														40								2				4/5		1 7 4									
											90																												
						.28	Qv	1	35																		5/10											
	89.6 - 89.9 fr w/ dol - py. @ 90.28 <1 mm Pd - qtz vnlt @ 35																													90.53	483262	2	<5		<0.2			10
											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 :
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HOLE No.: HL 90-146
SHEET No. 14 of 47
LOGGED BY: G. Norman
DATE: April 24/90

METERS FROM-TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Fr	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Qz Dolomite	Carbonate	Intensity	% Chalcopyrite	H_2S	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	Zn	Mo ppm
	HYBRID/QUARTZ DIORITE.										91		40								2						1									
						.33	Q	10	20						5					45			<½		5		7									
	as before.																								<½		4		483262	2	<5		<0.2			10
											92																									
																												99.67	483263	1	<5		<0.2			2
92.42 to 95.33	QUARTZ DIORITE												30		5						3				TR											
	Upper contact irreg @ ~70.			.6R							93																									
	w/ astomozing dyklets into.																																			
	Hybrid. Quartz diorite w/.																																			
	xenoliths.																											93.57	483264	1	65		0.2			350
	Fr @ 92.60 w/ chl + wk py.					.7	R	5	50															3												
	95-95.33 V. str. xenoliths.																																			
	Quartz diorite - med-coarse										94																									
	grnd w/ 30° biotite, Tr py. wk chl.					00	Q	7	70														<.5		5-10											
	@ 93.3-93.8. fr w/ MoS_2. (1-2%).																																			
	py																																			
	@ 93.7 Slip @ 50° 3mm, w/ qtz																																			
	carb vein ll w/ 3° PO (v fine) @ 5mm @ 50°										95																									
	@ 94.0 qtz vein @ 70° w 5-10 PY; <.5																											99.67								
	MoS_2 in and near vein.																																			
95.33 to 105.0	MIXED HYBRID / HORNFELS				*	.53	Q	2	60				40							5	6	TR	1-2	5-10	1	TR			483266	1	0.34		0.7			
	Mixed zone of hybrid & hornfels.																5	15							<½											
	+ short sections of QD.										96																									
	@ 95.53 Qtz vein @ 60° w/ 5-10 PO																								TR			96.62	483267	1	0.03		<0.5			
	1% PY 1-2 MoS_2 TR CPY TR Sphal					.4R	C	8	40																<½											
	approaching style of Jenner Veins										97														2											
	@ 95.83-96. Skarn band. w/ garnet-ep.				*	.18	Q	35	75															2												
	@ 97.18-97.3. Jenner Style				*	.3	Q	25	55													<1		5				100	483268	1	0.07		<0.5			
	Veins Sulphide																																			
	not strung out but veins are																																			
	somewhat similar w/ PO dominant.										98																									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5
LOCATION:
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	DEPTH	DIP	AZ.

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NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: HL-90-146
SHEET No. 15 of 44
LOGGED BY: G. Norman
DATE: April 24

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	B.V.S.	Size V.S. mm.	% Hornblende	% Biotite	% Musc./Serit.	% Chlorite	% Epidote	% Sericite	% Garnet	% QTZ ~~Dolomite~~	% Carbonate	Intensity	% Chalcopyrite	% Mo Sz ~~Arsenopyr~~	% Pyrrhotite	% Pyrite	Sphalerite/Mt	Type Occurence	Meters Blocks / EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 ppb	Au 2 ppb	Ag ppm ppm2	Cu	Zn	Mo ppm
	MIXED HYBRID / HORNFELS. CONT'D										98				40								2															
						.38	Qz	7	30								30																					
	@ 98.58 – 99.7 Series of Carb veins along fr 2-5mm @ 45 ~ 1% PO.																									1												
						.58	C	2/3	45										41																			
											99																			100								
	@ 99.55 band of garnet ~2cm cut by felsic dyke.																																					
																														99.67								
	@ 100.25 – 101.3 Quartz Diorite Fresh QD w/ wk. chl altern biotite rich w/ 35° 1 5% chl hb. ~ 4½ dissem Mt 4½ dissem Py.																																					
											100							5		41																		
														5	30	5							0			41/2	4½												
											101																											
						.77	C	3	70						40								3			TR				100								
						.82	C	7	70														4			TR												
											102																											
	102.8 – 103. Skarny altern w/ 5% ep – 4½ garnet.																													102.72								
	Vein @ 102.65 cut skarn w/ 1-2 PY; 4½ MoSz.					.85	Q	5	50		103														4½		1-2											
						.15	Q	22	60																TR	2	TR											
						.77	C	35	70								1									TR												
											104																			100								
																											2-3											
						.2	Q	15	85								15			76	3			TR	½	5	TR											
						.3	Q	10	40																	2	5											
						.41	Q	3	40								15							TR	TR	20	10											
						.81	Q	7	45								15									5	41											
						.95		9	50		105																											

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.: HL 90-146
SHEET No 16 of 44
LOGGED BY: G. Normans
DATE: April 24/90

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Fr Chlorite	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	O.V.G.	Size V.G. mm.	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	MT	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 ppb	Au 2 ppb	Ag ppm ppm	Cu	Zn	Mo ppm
105.0 to 109.5	HYBRID. Granitized sediment - with granitic textures, fr filled py (1mm) ω ~30°, tr ~3-5% Garnet as veins and as patches or bonds w/ ep. Po as fr/fills dissem locally.			30	- Py	.77	Q	15	30°		105			40	40	70				1			4			1	3-5	3-5		1 4 1	100 105.77	483276	1	10		<0.2			7
											106																3-5					483277	1	5		<0.2			3
											107																												
																		5		<1											100	483278	1	<5		<0.2			2
											108									TR																			
				50	+ PY																										108.81	483279	1	30		<0.2			8
	@ 109.1 - 109.4 Po as Fr fills ~1-2% TR CPY										109							2		2				TR		1-2													
																																483280	1	40		<0.2			45
109.5 to 113.5	CONTACT BRECCIA.										110												5				3-5												
	Granitized sediment w/ QD matrix. ~40-50% hybridized fragments. Throughout contact zone - irreg masses of quart w/ ± garnet & epidote & chl. Py to 15% as dissem & stringers.										111									2											100	483281	1	<5		<0.2			2
																		1		3											111.86	483282	1	<5	4	<0.2 .1			7
											112									1																			

BEMA GOLD CORPORATION

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

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: HL90-146
SHEET No 17 of 44
LOGGED BY: G. Norman
DATE: April 24/90

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Stress/Fract	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Moly	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 gt	Au 2	Ag gt	Cu	Zn	Mo
	CONTACT BRECCIA										112										6						1									
	as before.																										4									
				55																							7		483283	1	0.03		0.7			
	@ 112.6 Fr fill 2mm @ 55° to CA																																			
	w/ carb ± 1% PY		PY	20 55	*	.81	Q	10	75		113										8		4	<1	3-5											
				*	*																		5	<1	15 20											
	@ 112.81 QZ'-1cm @ 75 w/ PY					.11	Q	100	70 75												6															
	along fr. bands. w/ <1 Po																																			
						.7	Q	5	60														TR	1-2	1-2	TR										
	@ 112.8 - 113 fr fill w/ py-Po @																						TR					100								
	20-55.					.8	Q	8	20			20	20		5										5-10											
											114					2		1-2							<1/2											
	** @ 113.11 ± 10cm Quartz at 70-75° w/																																			
	15-20 PY ~ 5% arsenopy. <1 Po																																			
	banded at 70°.																																			
	Jenner Style w/ banded					.53	Q	7	40							2									5-10											
	sulph although PY is domin. not Po																								<1/2			114.91								
											115																									
113.5 to 130.82.	QUARTZ DIORITE. (Med)																																			
	Medium grained even text.					.3	Gt	15	25									20				15			15											
	hypidiomorphic quartz diorite																								<1/2											
	w/ ~ 20% bio - 20% hb -																																			
	~ 5% chl hb - <1% dissem PY.		PY	30							116																									
	Xenolithe ~ 15 & 20% 113.5 - 115.																																			
	1-2% > 115.0. Mod. fractured.																																			
	gold qtz - chl - py veinlet					.52	Q	2	20						1-2										2			100								
	fr @ 30° w/ dissem py.														5										<1/2											
											117																									
						.13	Q	2	10 15						1-2								TR		10											
						.3	Q	5	15						2										3-5											
															5										<1/2											
	@ 117.82 QZ - PY - chl vein X cuts @																																			
	fr w/ py.-ch @ 20°.					.82	Q	4	40		118				1/5										10			117.96								
															5																					
	@ 118.13 fr fill w/ chl-carb - str																																			
	chl halo					.4	Q	3	70						<1										<1											
	118.4 - 119.4 fr fill w/ chl-py @ 75.		Pych	75											5													100								
						.96	CN PY	3	50		119				30										10											

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5
LOCATION:
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NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: HL 90-14b
SHEET No 18 of 44
LOGGED BY: G. Norman
DATE: April 24, 1990

METERS FROM-TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	First Contact	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	Meters	A.V.G.	Size V.G. mm.	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	QTZ 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	Ag ppm	Cu	Zn	Mo ppm
	QUARTZ DIORITE (MED.) CONT'D										119				20	20		5						–						1										
																								+2						7										
																														4			483290	1	<5		<0.2			70
						.18	Q	6	10									2								TR		5												
											120							2								TR		5												
	120.7 – 130.82 Quartz Diorite (Qz Porph).					.13	Q	6	10									5													100								
	w/ xenoliths. (30% hornbels																																483291	1	<5		<0.2			34
	& granitized frags 2cm – 15cm).																																							
	Some frag are skarnified w/ patches					.65	Chl py	18										70				10						20												
	of qtz-ep-garnet. ~ 30% hbl ~										121							5													121.01								
	5-10 hb – ~ ½ cl/sem Mt. ~ 1% qtz phenos. 1/cm														5	30		5																						
	@ 121.64 Fr/Fill @ 80° w/ qtz-py (10%)				80																					2-3		10					483292	1	<5		<0.2			33
	& 2-3% MoS2.																																							
	@ 122.61 patch (2cm) of qtz-ep-gt																																							
	with xenolith										122																													
						.22	Q	2	10									2								TR		5			97.37								
																																	483293	1	35		<0.2			26
						.52	Q	4	75									2	<1		<1				TR	TR		3												
																		5																						
	@ 123.1 Fr/Fill @ 85 w/ chl-carb 5-10 py										123																	5/10												
					85																																			
	# 123.37 3cm massive Po Vein				*	.37	Po	30	80															6	<½		99	<1					483294	1	13.40		17.8			
	w/ <1% py <½ cpy – 10cm.																							3																
	chl-ser halo.																							to																
						.65	Py	2	15.		124													4				20			124.05								
	124.3 – 124.6 Qz (pert.) altered																																		PPb		PPm			PPm
	zone w/ ep-gt. also two veins.																																483295	1	150		<0.2			66
	@ 124.42 @ 60 & 124.5. @ 80° some					.42	Q	8	60																	1-2		1-2												
	blebs of po edges of qtz mess.					.5	Q	10	80																TR		2-3												
	@ 124.6 – 125. py-ep. chl. cuts					.6	Py	23	5/10		125																	15												
	skarn band																														100								
						.4	Q	9	35									2					1-2			TR		2-3					483296	1	770		0.5			35
																		5			<1																			
											126																													

BEMA GOLD CORPORATION

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

	DEPTH	DIP	AZ.

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NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: HL 90-146
SHEET No 19 of 44
LOGGED BY: G. Norman
DATE: April 25/90

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 Occurence	Meters Blocks Est. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 ppb	Au 2 ppb	Ag ppm ppm2	Cu	Zn	Mo ppm
	QUARTZ DIORITE (with Xenolith)s.										126		30														1									
	as per 120.7-130.82					.2	Q	5	5-10						5-15								TR		5-10		7									
	Quartz diorite w/ odd qtz phenocr. 1cm.																								½		4	100	483297	1	<5		<0.2			32
	126.2-126.6. 5mm qtz vein																																			
	w 5-10° w/ 5-10 PY TR MoS2										127																	127.10								
	5-15 Chl.															10		5							15				*			9E2	9E2			
																									2				483298	1	<5		<0.2			2
	@ 126.95 - 35cm. skarnified.																															.01	.5			
	Xenolith w/ qt-ep ~15° PY.																																			
	xenolith cut by 1cm QD dyklet.										128																									
						.02	Q	8	30						3					5					30											
	@ 128.02. 8mm Qz vein w/ 30° PY					.3	Q	3	10						2								TR		3				483299	1	<5		<0.2			4
	3% bio, 3 chl, 5 carb.					.6	Q	13	40						1										3											
	@ 128.9 - 6cm skarn patch w/																								½			100								
	qtz-ep-garnet.										129																									
																													*							
																													483300	1	<5	2	<0.2 .1			60
											130																	130.15								
						.15	Q	20	50																				483301	1	<5		<0.2			3
											131		40										½				7									
130.82 to 137.9	HYBRID												40 50														4									
	Grey blk f-g. granitized sediment w/.															2		2	20						10			98.69	483302	1	<5		<0.2			6
	130.82-133.2. Patch of skarn																																			
	at 131.35-131.52. w/ garnet-ep										132																									
	py (10%); mod Po-PY fr bits.																																			
	and locally 1mm qtz stockworks.		30-Po-PY																										483303	1	<5		<0.2			2
	small Qz Diorite dyklets																							2	5											
											133																									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5
LOCATION:
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NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: HL 90-146
SHEET No. 20 of 44
LOGGED BY: G. Norman
DATE: April 25, 1990

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding FPT	Fault	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Serie.	% Chlorite	Epidote	Sericite	Garnet	QZT Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite MT	Type Occurence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 PPb	Au 2	Ag ppm	Cu	Zn	Mo ppm
	HYBRID CONT'D										133		40 to 50								3								133.2								
																														483304	1	<5		<0.2			2
	@ 133.86 - 135.07 FELSIC DYKE										134							1				<1		3-5	3	3-5											
	Upper / lower contact at 60 / 50 respect.	60											5		2				60		5																
	V. qtz rich w/ fine chl matrix -					5	Po	40											30			<1		60	10												
	sugary text. w/ patches of garnet -																		60					3-5	3				99.02								
	ep. Semi-massive Po. Some frags																																				
	of country rx. Semi massive Po - 4cm	50									135																										
	at. 134.5. (60% Po, 10% PY, <1 CPY ~30 qtz)																								3-5												
	also patch of Po - PY - GT at 134.05																				3																
	3x2cm w/ 3-5% Mt. As. fr po-py-cpy																																				
	throughout. ~ Overall ~ 3-5 Po - 3 PY.																																				
	135.07 - 137.9 Hybrid as before										136																		136.25								
	w/ patches of garnet - ep - py fr blills																																				
	/ stringers																													483307	1	<5		<0.2			2
	@ 137.4 - 137.65. V. str qtz flooding					00	Q	3	20		137				5										5-10	<1/2											
	w/ bio - qtz - garnet - ep - carb.					13	Q	3	80							2		3							60												
	@ 137.0 2cm felsic dyke - qtz rich																								3												
	w/ 1% garnet. @ 25°															2		5	75	2					to 5					483308	1	<5		<0.2			41
																													98.36								
			30								138									80					20												
137.9 to	QUARTZ DIORITE.	55											5	35	5						2				1												
	Contact w/ Hybrid @ 55°.														to 10												7										
	137.9 - 139.5: Med - fine grained.																										4			483309	1	<5		<0.2			2
	contact rock - gradually becomes																								TR												
	coarse grained at ~ 142.					85	Q	2	40		139													<1	5				139.29								
	Very coarse. hb xlts at 139.95 (10cm)					24	Q	5	20						25																						
	xlts to 1cm and 140.3 (15cm).														5 to 10																						
	- Quartz diorite is relatively fresh,																												100	483310	1	<5		<0.2			3
	bio rich (35°) w/ ~5% hb. xlts.																																				
	wk disem PY ~<1. wk qtz-py veining.										140																										

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5
LOCATION:
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NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: HL90-146
SHEET No. 21 of 44
LOGGED BY: G. Norman
DATE: April 25, 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	% B.V.B.	% Size V.B. mm.	% Hornblende	% Biotite	% Musc./Seric.	% Chlorite	% Epidote	% Sericite	% Garnet	% QZ-T Dolomite	% Carbonate	Intensity	% Chalcopyrite	% FeS2 Arsenopyrite	% 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	Zn	Mo ppm
	QUARTZ DIORITE CONT'D										140			5	35		5						2				1		1											
																	10										1		7											
						.6	Q	3	10								<5				80			TR		2-3	2-3	2-3	4			483311	1	<5		<0.2			3
																	5																							
											141						10																							
																	10																							
																															100									
																																483312	1	<5		<0.2			30
	@ 141.74 2cm Carb-chl vein w/					.74	C Chl	20	20								20		1-2			60		TR		1-2	4		TR											
	1-2 PO, <1 PY TR MT, TR CPY coarse										142																		TR											
	serated edges.					.34	Q	2	25																		2-3													
	@ 142.0 5cm patch of quartz w/																														142.34									
	3-5 py trace disseminated MoSz																45										5-10					483313	1	<5		<0.2			28
	~3-5 % py within QD as fr fills					.7	Q	4	25																		2-3													
	'disseminated' trace disseminated Mt.										143																													
	@ 143-143.15. Patch w/ 15% disseminated																									15	5-10		3											
	PO - 5-10 PY 1-3 Mt.		40	- Mt.																							2-3					483314	1	<5		<0.2			2
			50	- PY							144																				100									
																											5-10													
																											10													
																											2-3					483315	1	<5		<0.2			3
																																			5	.1				
											145																													
														90	20		30										2				145.39									
																																483316	2	<5		<0.2			6
											146																													
	@ 146.8-147.2. Somewhat coarser																																							
	w/. subtle contact ~ 85°.																														9902									
											147																													

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5
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PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: HL90-146
SHEET No. 22 of 44
LOGGED BY: G. Norman
DATE: April 25 1990

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Foliation	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Mo	Arsenopyrite	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	Zn	Mo ppm
	QUARTZ DIORITE (COARSE).										147	20	20		90						1-2					2											
	as before.					.56	Q	20	70															TR		<1			99.02	483317	1	<5		<0.2			6
																										2											
											148																										
																													148.44								
148.26 to 165.2	QUARTZ DIORITE (MEDIUM).	70										1-2	45		30						2					1		1		483318	1	<5		<0.2			2
	Upper contact sharp @ a fra) 70																											4									
	Definite texture change w/ ~45°										149																	7									
	fine bio. ≤1mm, 1-2% hb plano.																																				
	to 5mm. Mod chl. mafics ~30%																																				
	~1% py. Weakly veined w/ qtz MoS2					.6	Q	10	85															1-2		10				483319	1	<5		<0.2			110
	traces dissem Mt., odd small xenolith																																				
	Intrusive is wkly porphyritic in										150																										
	fsp w/ phenos to 3mm. ave ~2mm.					.05	bio chl	2	45																	10			10033								
	~20-30%.																																				
	@ 149.6 1cm Qz vein w/ 10% py																									3-5				483320	1	<5		<0.2			6
	coarse 3mm blebs, 1-2 MoS2.				80	.7	Q	7	40															TR		1-2											
	@ 150.7 qtz vein w/ py, Tr MoS2					.75	C	12	55		151															3-5											
	is offset by slip w/ carb																																				
	@ 80 10cm ser-clay-carb holoe				0																								151.49	483321	1	<5		<0.2			6
	uphole: 3cm down hole.																																				
	@ 150.16 — 153.0 veins or																																				
	concentrations of bio-, qtz at										152																										
	30°. py ~3-5° dissem, Fr																													483322	1	<5		<0.2			3
	within QD.																																				
																													99.01								
											153																										
	@ 153.42. 3cm qtz vein w/ large																																				
	bleb po - traces MoS2.																																				
	lower cont w/ vuggy vein of					.42	Q	35	35															TR	<1					483323	1	<5		<0.2			30
	anhydrite.										154																										

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.: HL 90-146
SHEET No. 23 of 44
LOGGED BY: G. Norman
DATE: April 25, 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	Qtz Dolomite	Carbonate	Intensity	% Chalcopyrite	MoSz	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 (Med) Cont' as before.										154				1-2	45		30						3			1-2		4							
																												7	154.53	483324	2	<5		<0.2			60
						.72	Q	5	35															5	1/2											
						.82	Q				155														1-2											
						00	Q	3	45		156				2										15			87.54								
																													483325	1	<5		<0.2			5
											157																									
																					4	TR		10	5											
	@ 157.3 Quartz w/ 10° Po 1% Py. altern halo. of pow qtz. to 25 cm up hole., mafic also → sam					3	Q	7	15												to 3							157.58	483326	1	10		<0.2			6
											158																									
																													483327	1	<5		<0.2			4
	@ 158.8. Vein V. similar to 157.3					.8	Q	7	20		159									1-2		TR		10				99.02								
	Qtz w/ 10% Po. wk carb w/ red oxide? similar altern halo.																												483328	1	<5		<0.2			3
					chl-carb																															
				40																																
						.88		5	55		160														1-2											
				40+ Py																																
																						TR-1	TR	5-10				160.63	483329	1	5		<0.2			6
						.63	Q	7	70																			100								
											161																									

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.: HL90-146
SHEET No. 24 of 44
LOGGED BY: G. Norman
DATE: April 25 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Angles: Bedding	Angles: Fol. Elongation	Angles: Faults	Veins: Metres	Veins: Type	Veins: Thickness mm	Veins: Angle	Intensity	Metres	% Hornblende	% Biotite	% Musc./Seric.	% Chlorite	% Epidote	% Sericite	% Garnet	% Carbonate	Intensity	% Chalcopyrite	% Arsenopy	% Pyrrhotite	% Pyrite	Sphalerite	Type Occurrence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE # TO	Sample Length	Au 1 ppb	Au 2 ppb	Ag ppm	Cu	Zn	Mo ppm
	QUARTZ DIORITE (MED)										161	5	45		20					3						1									
	as before.											40														4									
						.42	Q	12	75			10								5		TR	TR	TR	<1	7		483330	1	10	12	<0.2 .2			9
	159.95 – 161.6. Bleached zone w/ vein at 161.42 – altern halo is wk gen. altern of mafics ~15°																			3															
											162																100								
																												483331	1	<5		<0.2			3
											163																								
						.36	Q	10	40										2			TR	23												
																											163.68	483332	1	5		<0.2			100
	@164 – 165.2 becomes more mafic towards contact.					.93	Q	2	40		164	15	30		30									1-2											
	w/ ~55 mafics w/ 30% bio; 20 hb – ~ 1-2 diocem Px add qtz vn 1-2 mm w/ PY – PO tr cpy.																							1-2				483333	1	<5		<0.2			11
											165																								
		40																									94.09								
165.2 to 169.87	HORNFELS / HYBRID												60							3			1	1		1									
	Banded hornfels moderately hybridized w/ small dykelets/ aphophyses of QD																									4									
											166															7									
	Po/Py w/ fr fills/ diocem. wk veining.																																		
						.5	Q	30	30														TR?	TR?											
	@167.51 – 12cm dyke of QD					.66	Q	10	35													TR	2	20			166.73	483335	1	5		<0.2			11
											167																								
	166.5 – 166.73 fr fill w/ anhydrite – py @ 25.					.4	Q	8	35						5				15			TR	15												
																											100	483336	1	5		<0.2			56
											168																								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH: 305.7
LOCATION: | ELEVATION: | PROPERTY: HARRISON LAKE
DATE COLLARED: | NORTHING: | CORE SIZE:
DATE COMPLETED: | EASTING: | SCALE OF LOG:

HOLE No.: HL 90-146
SHEET No. 25 of 44
LOGGED BY: G. Norman
DATE: April 16, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Clevs/Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Mess./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 g/t	Au 2	Ag g/t	Cu	Zn
	HORNFELS/HYBRID.										168										1														
	168.22-168.5. Quartz Diorite					.38	Q	15	85												4		Tr	<1	<1	Tr									
	dyke - upper and lower contacts																				1														
	@ 80°, 60° respectively ~1%																											100							
	dissem. Po. fr fills w/ Po, PY.										169																								
	quartz vein @ 168.38 - 1.5cm w/																												483402	1	<0.03		<0.5		
	<1% PY, <1Po, Tr MoS2 Trace Arsenopy.																																		
	sulph at edges. 8cm ser. alter'd																											169.77							
	halo at uphole end.																																		
											170																								
169.87-	QUARTZ DIORITE (Medium Grained Phase)					.1	Q	9	40			20	20		20						3				TR										
	Coarse grained at contact w/ hb to																												483403	1	<0.03		<0.5		
	8mm, ~40% mafics ~20 chl hb 20.																																		
	hbo. - w/ 2% dissem PY 1% dissem Po																																		
	overall QD is med grained w/					.8	Q	15	40		171				2					(also	TR	MT)		3	TR	4									
	@ 171.0 quartz vein w/ TR PY-CPY MT.					0	Q	15	60										60		5	TR			TR										
	2cm chl halo w/ 20PY.					.34	Q	20	70															1	<1	TR		100	483404	1	0.96		0.5		
	@ 172.02 - 183.1 Zone of Arsenopy Veining										172																								
	* @ 172.02 Massive Arsenopyrite				*	.02	Ar	50	80	1									20	5	10		63		2		6								
	vein (83%) w/ 2% PY, 20 qtz 5% carb.																			15°															
	5cm carb-ser halo uphole.																10				5								483405	1	0.07		0.5		
	10cm str halo → weakes for 80cm																											172.82							
											173																								
	172.8-173.5. 1mm py fr fill sub //																																		
	to C.A.					.49	Q	10/15	30															1											
	173.68 qtz w fr po-cpy MoS2 as					.68	Q	10	30												TR			TR		<½			483406	1	<0.03		0.5		
	halo: < ½																																		
	fr. w/ carb & py.										174																	91.86							
																													483407	1	<0.03		<0.5		
											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.: HL 90-146
SHEET No 26 of 44
LOGGED BY: G. Norman
DATE: April 16/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Clea/Folial	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	Avg.	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 g/t	Au 2	Ag g/t	Cu	Zn
	QUARTZ DIORITE CONT'D.										175			20	20								4 to 5														
						.48	C	5	65																	5				91.86	483408	1	0.31		1.5		
	@ 175.43 carb vein @ 65° w/. 10 carb-ser halo.																																					
						.87	Q	4	20		176															4/	2-3		4	175.87							
					*	.22	C	40	30																10		10		5/6								
	* @ 176.22. Carb - PY (10%) Arsenopy vein @ 30°																														483409	1	1.10		1.0		
																								TR.		TR												
	High angle quartz vein (80° to C.A) cuts. low angle qtz vein					0	Q	13	20		177															TR.		TR.										
						.12	Q	30	80																													
	177.3 Str carb coated fr @. 177.7. qtz vein w/ 5% po Tr cpy.																		5.					TR.			5.			100	483410	1	0.07		<0.5		
						.77	Q	7	15																													
											178																											
																															483411	1	<0.03		<0.5		
																														178.92							
	* 179.1 Jenna style - qtz - po. w/ 5 counts Au very fine can't see w/ naked eye. - pin pricks.			*	*	.1	Q	60	65		179	5	.1										10	1		25	5	TR									
						.3	Q	10	60																	1-2	TR	TR									
	179.8 fr fill w/ carb w/ 180 - 181. xenoliths. one w/ garnet. ep.																						4 to 5								483412	1	3.22		8.5		
						.02	C	3	60		180								1-2							4											
						.35	Q	9	55												10	90															
																														100	483413	1	0.14		0.5		
											181									<1																	
	181.22. chl halo. 4cm. text. obsc. around vein.					.22	Q/C	5/10	70															TR		1					483444	1	0.10		<0.5		
						.86	C	4	60																	TR											
											182																			181.97							

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.: HL 90-146
SHEET No. 27 of 44
LOGGED BY: G Norman
DATE: April 17, 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 Occurrence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 g/t	Au 2 g/t	Ag g/t 2	Cu	Zn
	QUARTZ DIORITE CONT'D										182	20	20		15						2				2-3										
	* Jenner Style - Possible 1 count Au.			*		.43	Q C	10	70			1	1									1		10	TR			483415	1	0.10		0.5		
	QD unveined is relatively fresh w/ ~10 chl. mafics ~ 2-3 disseminated PY					.85	C	2	55		183									5	4	TR		1-2	TR									
	* 183.1 - Quartz w/ heavy Po.			*	*	.1	Q	15	55					VEIN							10	TR	TR	25	10			*						
	w/ 6cm. of massive Po. (total 25%) TR CPY, TR Arsenopyrite											20	20		15					5	4				2-3			483416	1	3.57	3.80	9.5 8.0		
	183.3 1.5 cm. Felsic dyklet @ 50°. w/ trace Po.																				2													
	halo - carb - clay. Po (disseminated ~3%) around vein @ 183.1 30 cm uphole					.13	Q	15	60		184								93	2		TR		2	2-3			483417	1	1.27		2.0		
	50 cm. downhole.														5					15	1				2									
	Carbonate halo around carb-Po vein @ 184.95.					.95	C	43	70		185											TR		5	1			185.01						
																									2			483418	1	0.24		<0.5		
	184.5 - 180.0 Relatively fresh Q.Qu/ 2% PY - Pb(.5). dissem. wk chl. mafics ~ 5% wkly porphyritic in hb. ~ 5% xlts & lsch. wk fr w/ chl. py.										186																	483419	1	<0.03		<0.5		
																											100							
											187		30	10														483420	1	<0.03		<0.5		
											188																188.06							
																											100	483421	1	0.62		1.0		
											189																							

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.: HL-90-146
SHEET No. 28 of 44
LOGGED BY: G. Norman
DATE: April 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	Veins: 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 Recov.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 g/t	Au 2 g/t	Ag g/t 1&2	Cu	Zn
	QUART DIORITE CONT'D					.13	Q	22	80		189	30	10									TR		3-5		Tr	4								
	@ 189.13 Quart vein @ 80° w/ 3-5PO TR CPY																												483422	1	0.21		<0.5		
											190																	100							
	190.2 – 195.7 Relatively fresh QD weakly chl. w/ 1-2 PY ~½ PO disseim – away from veins moderately veined w/ quartz. w/ veins from 10° – 85° & c.a. are ~. 70°. strongly veined w/ haloes. Some fr w/ PY & carb. @ 190.8. qtz vein w/ 5-10 cm sec-chl halo.					.8	Q	20	70		191								100						TR.		5	191.11	483423	1	<0.03		<0.5		
						0	Q	8	10						1-2					1				2-3	1-2				483424	1	0.07		<0.5		
						.98	C	12	85		192											1		10					483425	1	<0.03		<0.5		
	@ 191.0 qtz vein – py @ halo as well. @ 191.98 Carb vein w/ somewhat strunger. sulph.					.33	Q	3	80											2					2		4								
	@ 192.9 Felsic veinlt. 4mm @ 20.			Felsic.		.9		4	20		193														TR		4								
						.71	Q	7	70						1										1-2	½	4		483426	1	<0.03	.03	<0.5 .5		
											194																	194.16							
	@ 194.33 – 5mm Qz vein w/ TR MoS2 1-2 PY w/ 3% disseim PY-chl halo.					.33	Q	5	70																1-2	Tr			483427	1	0.03		<0.5		
						.77	C	4	45						3				2					Tr											
	@ 194.77 – 195.1 Series of Carb veins w/ traces PO PY Str Carb-chl. halo. 194.7-195.03					.97	C	12	55		195				15				1	30				<1				91.80							
						.1	C	8	45																Tr				483428	1	<0.03		<0.5		
											196																								

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-90-146
SHEET No 290f 44
LOGGED BY: G. Norman
DATE: April 17, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Folial.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	Avg. Size V.G. mm.	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Clay 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 g/t	Cu	Zn
	QUARTZ DIORITE CONT'D										196		30	10		5						1-2				- 1%										
	196 – 201.7 Relatively fresh quartz dio. med. – coarse grained wkly porphyritic in hb. <1% dissem py ~5 chl mafics. wk veining – qtz. – chl. wk Po-Py ~1%. fsp becoming weakly clay altered. 200-201.7, increase in chl altern → 20°-No Jenson style veining.					.42	Q	5	70	1	197													1		TR			91.80	483429	1	<0.03		<0.5		
						.07	Q	7	20	1						2										<1			197.21	483430	1	<0.03		<0.5		
						.4	Q	22	40	1	198					1										1			65.79	483431	1	<0.03		<0.5		
	198.4 – 200. QUARTZ DIORITE (QUARTZ PORPHYRY) Different phase – similar to 148.5-198.4 med grained but w/ 1% quartz pheno's to 1cm irreg. wk porphyritic in fsp. Upper contact on flow banding at 40° to C.A. Lower contact not apparent.										199																			483432	1	<0.03		<0.5		
											200					↑ 20	↑ 5												200.25	483433	1	<0.03		<0.5		
	200 – 212.0 QUARTZ DIORITE Medium grained phase.										201																									
	201.7 – 208.2. Very similar to 196 – 201.7. – relatively fresh – weak alignment of mafics w 50°-60° to C.A. Dissem Py 3-5, traces dissem Mt. wk clay altern of fsp → 203, then spotty.										202															3-5			100	483434	1	<0.03		<0.5		
											203																			483435	1	<0.03		<0.5		

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.: HL90-146
SHEET No. 30 of 44
LOGGED BY: G. Norman
DATE: April 18/90

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	Avg. Size V.G. mm.	% 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
	QUARTZ DIORITE CONT'D										203		30	10		20						1				3			203.3							
	as per. 201.7–208.2.																									10										
																										5				483436	1	<0.03		<0.5		
											204																									
						.03	Q	7	45																											
						.2	Q	4	20																	10	TR									
																														483437	1	<0.03		<0.5		
																													100							
											205																									
													↓																							
													10	30																483438	1	<0.03		<0.5		
	@ 206.35. Fr fill w/ carbonate.										206																									
	∽ 10–5° to C.A. runs																												206.35							
	sub ll to C.A.																																			
	@ 207.7 fr fill w/ py(5–10%)-carb-chl.																													483439	1	<0.03		<0.5		
						0	Q	10	70		207							5																		
																													100							
	208.2 – 210.8. Zone of broken																													483440	1	<0.03		<0.5		
	rock around & within Fault																																			
	Zone. – gouge @ 210.08 –																																			
	210.43. Within zone mafics										208																									
	have been chl. & fsp → clay.																																			
	Gouge w/ clay – ser @ 25° – shap					.4	ser	5	10°																					483441	1	<0.03		<0.5		
	~ ½ disem po & ½ dissem Pp																																			
	Broken quartz vein w/ coarse py(2%)																												209.09							
											209																									
																													98.77	483442	1	<0.03		<0.5		
						.0	Q	15	25		210					12									2	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.: HL-90-146
SHEET No. 31 of 44
LOGGED BY: G. Norman
DATE: April 19, 1990

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	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 g/t	Ag g/t	Cu	Zn
	QUARTZ DIORITE CONT'D										210																1									
					25	Gouge										50	20												483443	1	<0.03		<0.5		
	as per 208.2 - 210.8																																			
	210.8 - 212.4 spoHy wk					9	Q	20	30		211				1-2				89	1-2				1-2	5-10		4									
	clay altern of fsp.											20	20		30										1		1	90.77	483444	1	<0.03		<0.5		
	odd xenolith, wk frpy.																																			
	mod-str chl mafics. ~80%																																			
	of mafics ~1% disem PY																																			
											212																									
212.0 to 212.6	PORPHYRITIC QUARTZ DIORITE											10	30		20										↑										
	Porphyritic Quartz diorite phase																								<1			212.45							
	w/ subtle contacts. upper contact					.4	C	7	40						✓									2	↓	TR	Sph		483445	1	<0.03		<0.5		
	w/ fragments of above phase.											10	30		5										1-2		1									
212.6 to 217.0	lower contact at 55°. 30% 2-3mm										213																									
	fsp phenos w/ med bio-mafic.																																			
	@ 212.4 carb vein w/ 2% PO, trace																																			
	sphal -2cm chl. halo up hole, sheared																																			
	contacts. ~∠																																			
											214																	102.63								
	QUARTZ DIORITE (MEDIUM GRAINED)																								↓											
	Moderate distinct contact w/					.33	Q	22	75									5						Tr	/		3a									
	porphyritic phase. - Changes																								1-2		5									
	to coarser grn'd phase ~217m.																										1									
	veins have altered haloes which										215																									
	cloud textures.					.2	C	3	80															<1			5		*							
	Moderately veined. w/ quartz &																											215.49								
	quartz carb veins. no Jenner.				*	.57	C	8	70														1		3		5		483448	1	0.45		1.0		
	Style veins although a carb vein					.15	Q	4	50															/	<1		4					.49	1.0			
	w/ 1% arsenopyrite is conspicuous					.97	C	5	50		216								5					1	1-2		4									
	@ 215.57.					.38	C/Q	8	70										40	60				<1			4									
																											1	100								
																													483449	1	<0.03		<0.5		
											217														↓		1									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
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HOLE No.: HL-90-146
SHEET No. 32 of 44
LOGGED BY: G. Norman
DATE: April 19, 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	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 g/t	Au 2	Ag g/t	Cu	Zn
217.0	QUARTZ DIORITE (Med-Coarse.					.12	Q	8	65		217			20	20		30				60	30	5	TR		10	<1		4								
	tsp ~ 3-4 mm. v. similar to.					.38	Q	3	60												10					1/2			4								
	medgrained phase					.53	Q	10	70												55	30		1/2		15			4		483450	1	0.03		<0.5		
	~40 mafics 50:50 hb/bio					.66	Q	4	35								3										3	TR	4	100							
	w/80 chl. ~ 1/2% disem Mt.					.04	Q	5	20		218						1-2										3-5		4								
	<1% disem PY.					.2	Q	8	40								30									<1	TR		4								
																														218.54	483451	1	<0.03		<0.5		
						.8		11	15		219																5	1/2	4/5								
	@ 219.6 Quartz vein w/ ser.					.6	Q	8	50										1-2					TR		1	TR		4		483452	1	0.10		<0.5		
	halo.					.7	Q	10	5																		5-10	1	4								
											220																			100							
																															483453	1	<0.03		<0.5		
220.75 to 225.10	PORPHYRITIC QUARTZ DIORITE	20									221			20	20		25						4														
	Upper contact w/ med-coarse																						3														
	grained phase is 20° lower																																				
	contact w/ 25. Hornfels xeno. at					.4	Q	4	70												20	75		TR		3-5	TR		5	221.59	483454	1	<0.03		<0.5		
	upper contact.																																				
	@ 221.4 Carb - Quartz w/ 2-5										222																										
	chl - ser. halo.					.21	Q	7	40																		5		4								
	- 35 - 40 mafic 50:50 hb-bio																																				
	~ 60 chl. w/ <1 PY-PO disem.																														483455	1	0.58		1.0		
	PY > PO.					.15	Q	15	60																	3-5			5	90.49							
	222.75-223.15. Coarse grained.										223																										
	quartz diorite. Upper contact.																																				
	in altered zone, lower cont.																														483456	1	<0.03		<0.5		
	sharp @ 15 - No age determ.																																				
											224																										

BEMA GOLD CORPORATION

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

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: HL 90-146
SHEET No. 33 of 44
LOGGED BY: G. Norman
DATE: April 19, 1990

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	S.V.G.	Size V.G. mm.	% Hornblende	Biotite	Musc./Seric.	% 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 g/t	Au 2	Ag g/t	Cu	Zn
	PORPHYRITIC QUARTZ DIORITE										224																			90.49							
	as before																													224.64	483457	1	<0.3		<0.5		
	@ 224.64 broken vein quartz w/ Tr Py, arseno Mus.					.64	Q	15	?																TR		TR	TR									
						.85	Q	15	30		225						2										1	TR									
225.1 to.	QUARTZ DIORITE (COARSE)													30	10		20						4			1/2	1-2		1		483458	1	0.17		0.7		
	Coarse grained phase -					.7	Q	4	50																		3-5		4/5								
	Sharp contact w/ porphyritic phase - clyte.					.98	Q	4	60		226																2										
	- grain size hb → 5mm (30%)					.06	Q	4	30															TR			2	TR									
	f/sp - 3-7mm.					.2	Q	10									15				85						1	TR									
	Intrusive is extremely coarse.					.5		+10	+150								20										1-2			100	483459	1	<0.03		<0.5		
	225.1 - 226 w/ hb to 8mm then becomes somewhat finer grained.										227												1														
	- some fr fills @ 20° w/ chl-py																						to 2														
	227 - 233.5.																																				
	weakly veined w/ Quartz - py veins																													227.69	483460	1	<0.03		<0.5		
											228																										
						.26	Q	30	40								5										3-5										
																	20										1-2				483461	1	<0.03		<0.5		
																	1																				
											229																			96.71							
																															483462	1	<0.03		<0.5		
	@ 229.7. str fr @ 10° w/ carb. vein					.7	C	4	10																												
											230																										
	@ 230.47 fr. w/ carb.																													230.73	483463	1	<0.03		<0.5		
											231																										

BEMA GOLD CORPORATION

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

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NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: HL-90-146
SHEET No. 34 of 44
LOGGED BY: G. Norman
DATE: April 19, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Clean/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 H2S	Type Occurrence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 g/t	Au 2 g/t	Ag g/t g/t2	Cu	Zn
	QUARTZ DIORITE (COARSE)										231	30	10		20						1 to 2			4½	1 1 TR 1		1/4								
	weakly veined c-g. QD.					.46	Q	7	30																				483464	1	<0.03		<0.5		
	231.9-232.05. Fine grained dyke lets of QD. somewhat more felsic. contact @ 40°. add xenolith wk fr. chl-py.										232																	100	483465	1	<0.03		<0.5		
	@ 233 fr @ 25° w/ chl - py										233																		483466	1	<0.03		<0.5		
	@ 233.78. Quartz vein @ 70° cuts PO-CPY-PY-carb					.78	Q	40	70									30	40			4½		30	TR			233.78							
						.78	PO	3	15		234				5									½											
	@ 234. irreg. patch of qtz w/ coarse ser. 7cm.																							TR	TR.				483467	1	<0.03		<0.5		
						.68	Q	10	20															½											
	@ 234.68 fr. cut 1cm quartz vein, po along fr.										235																	100	483468	1	9.53		20.6		
	* 236.2 - 236.83 Jenner style. Quartz-PO. Veining.				*	.2	Q PO	55	45		236	10	.5										TR	25 30	13 20	TR			*						
	10 counts Au in vein @ 236.2.				*	.32	Q PO	10	45					Jenner STYLE.						20	10	1		10 15	5				483469	1	13.90		29.1		
	possibly 1 count Au in massive Po vein at 236.78. 1 count Au @ 237.4 in a v. small vein.				*	.40	PO	130	60											25		1		20								14.98	35.0		
					*	.78	PO Q	60	75			1	speck.							20				75	5			236.83							
						.84	Q	28	50		237										4			1½	1-2										
					*	.4	Q	3	50			1											½	2-3	TR.			98.03	483470	1	0.07		<0.5		
											238																✓								

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5
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DATE COLLARED:
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NORTHING:
EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: HL-90-146
SHEET No. 35 of 44
LOGGED BY: G. Norman
DATE: April 19, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Clegg/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 g/t	Au 2	Ag g/t	Cu	Zn
	QUARTZ DIORITE (COARSE GR'D)										238			30	10		25						1			1-2	3		1									
						.34	Q	3	50														3				5		4			483471	1	0.03		<0.5		
	Relatively fresh. Quartz diorite – coarse grained. w/ ~1-2% dissem PY, ~60 of mafic chloritic										239																			98.03								
																																483472	1	<0.03		<0.5		
						.93	Q	15	60		240													TR		5				239.88								
	240.7 – 246.3 Coarse grained quartz diorite w/ ~5% dissem' fr. py. mod-wk qtz-py veining Coarse hb ~4-5mm. ~					.21	Q	7	50								2							TR		5	5		TR									
																	5															483473	1	<0.03		<0.5		
																	10									1/2	5										
											241																											
	241.85 fra) 20° w/ chl & py.																															483474	1	<0.03		<0.5		
											242																			100							
						.25	Q	5	40																							483475	1	<0.03		<0.5		
						.5	Q	3	10																		2										
																											5										
											243																			242.93								
																																483476	1	<0.03		<0.5		
						.52	Q	5	30																		10										
						.8	Q	4	30		244																10										
																											5			100							
						.55	C	3	70																							483477	1	<0.03		<0.5		
						.56	Q	4	25																	TR	TR											
											245																											

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5
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NORTHING:
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PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: HL 90-146
SHEET No. 3 b of 44
LOGGED BY: G. Norman
DATE: April 19, 1990

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Cleav./Foliat.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Metres	S.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 g/t	Au 2 g/t	Ag g/t g/t2	Cu	Zn
	QUARTZ DIORITE (COARSE)										245			30	10		5									4 2	5											
	as per 246.7-246.3.																+0 10													100	483478	1	<0.03		<0.5		
											246																			245.97 96.77							
						.28	Q	25	?																		20			246.28	*						
	246.2-246.28 Cave.				*	.44	Q	30	80			3	<.1								55	45			10	15	20		5		483479	1	4.80	5.28	10.6 12.5		
	- qtz vein within cave. w/20% py.																										5											
	* 246.44 Quartz-po-py-arseno-Au w/ 6cm chl-ser. halo.										247																2											
	246.3-252. C-g quartz dio w/~5% dissem py; fr py. some fr. w/. w/2. Jenner style veins.					.21	Q	4	40																						483480	1	<0.03		<0.5		
						.5	Q	7	40																		5			104.38							
											248																5											
																															483481	1	<0.03		<0.5		
	248.6 fr. w/ py sub ll to C.A.					.6	Q	6	40																	4		TR									
	248.9 fr w/ carb; py @ 60° to C.A.										249																5			249.02							
																															483482	1	0.03		<0.5		
						.54	Q	4	20																		5		5								
																											5		5								
	@ 250.0-250.5. Felsic Dyke	15									250																										
	@ 15° to C.A. fine chl. metics. 10% dissem py.																10										10		1	100	483483	1	1.85		5.1		
	* @ 250.55 Jenner Style Vein. - banded texture. carb-chl. halo. ~4cm.				*	55	Q	30	80																TR	20	15		5								
											251																5		6.								
						.4	Q	4	15																		1		4		483484	1	<0.03		<0.5		
											252																										

BEMA GOLD CORPORATION

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

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: HL 90-146
SHEET No. 37 of 44
LOGGED BY: G. Norman
DATE: April 19, 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	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 g/t	Ag g/t	Cu	Zn
	QUARTZ DIORITE (Coarse).										252	30	10		25								1 to 2				3-5		— 6 4	252.07								
	252.0 - 255.0 Relatively fresh coarse grained quartz diorite.																															483485	1	<0.03		<0.5		
											253																										
	252.15. 2mm carb fr fill @ 55°					.2	C	2	55																	<1											
						.65	Q	3	20																<1	<1			100		483486	1	<0.03		<0.5		
						.8	Q	8	20		254															15 20											
																										3-5					483487	1	<0.03		<0.5		
	*255 - 259.0 Zone of Alteration and Jenren Style Veining. alteration around veins is wk pew. carbonate altern w/ clay altern of mafics ~1% PO				*	.2	Qz PY	15	60		255				5	20	5			5 to 10	8				20	15			255.12	*	483488	1	8.13	9.57	15.4 18.0		
						.3	Q	3	80								-10								1-2												
						.4	Q	4	10																10												
						.53	PO PY	11	70																40	60		6	80.33								
	*a) 255.2 Qz-PY-PO-(V) ser chl-carb hale. - PO units in hole.						Q	13	80		256														5	2		4									
																									1				256.34								
	a) 255.53 - Jenren Style - banded massive PO-PY.																														483489	1	1.37		1.7		
	*a) 256.7 Jenren Style banded. Qz-PO-PY-Au.				*	.7	Q	43	70			3	.1							80	V				15	5											
											257									5 to 10	4				1				100								
	258 - 259. Bleached appearance due to chl-wkness of mafics.				*	.75	Q	80	80																1.2	<1					483490	1	0.17		1.0		
	a) 258.6 fr fill @ 15° w/ chl as well wk pew. carb.										258																		258.16								
						.8	C	10	80																<1	TR.			95.08	483491	1	0.10		<0.5		
					*	.86	C	10	75															1-2	10 15	5											
											259																										

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5
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EASTING:

PROPERTY: HARRISON LAKE
CORE SIZE:
SCALE OF LOG:

HOLE No.: HL-90-146
SHEET No. 3b of 44
LOGGED BY: G. Norman
DATE: April 19 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./Seric.	% Chlorite	% Stay ~~Epidote~~	% Sericite	% Garnet	% Quartz ~~Diopside~~	% Carbonate	Intensity	% Chalcopyrite	% Arsenopy	% Pyrrhotite	% Pyrite	Sphalerite Mt	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 g/t	Au 2	Ag g/t	Cu	Zn
	QUARTZ DIORITE (coarse).										259	10	30								2					2½	1								
						.44	Q	5	20						5									2	5		5								
	259 – 263.7. Relatively					.5 to	Q	3	5 to						2										15	Tr		95.08	483492	1	<0.03		<0.5		
	fresh coarse grained.														5										5	½									
	biotite rich quartz dio.					.1					260				10											2		259.99							
	w/ ½% dissem Mt, 5% dissem														20																				
	py																												483493	1	<0.03		<0.5		
	@ 259.5 to 260.1 qtz vein																																		
	sub ll to C.A. w/ 15 PY-Tr					.0	Q	8	10		261														1/15	Tr									
	Mt.																								5	1									
	@ 261.0. Quartz vein w/ 10-15 PY.																									2		100							
	vuggy w/ chl-py. infilling.																								10				483494	1	<0.03		<0.5		
						.65	Q	2	5																5										
	@ 261.65 – 261.8 – 2mm qtz-py					.87	C	10	75		262						5 to 10																		
	sub ll to C.A.																												483495	1	<0.03		<0.5		
	@ 262.31 fr w/ carb-chl wk py.																																		
	other fr w/ chl. @ 60°.																																		
	wk carb halo.																																		
	@ 262.83 fr @ 80° w/ chl+py.										263																	263.04							
	263.7 – 267.8 Zone of Jenren TYPE																																		
	Veining & alteration halos.																				↓								483496	1	0.17		<0.5		
	Veins of qtz – po – py. + carb.				*	.72	Q po	4	65										30	30				40											
	are typically haloed by a carb –				*	.82	Q po	4	60		264	3			5	15	10			5	8														
	ser + – chl + assemblage which				* *	.12	Q	40	65 to 85			10	30						69	25		1		25				99.53							
	clouds or obliterate textures – Alteration					.3	Q	13	15											25		TR		TR											
	is not continuous if veining to decrease																												483497	1	0.27		1.4		
	Relatively fresh QD 266.0 – 266.6					.75	Q	8	30															TR.											
					*	.89	Q po	30	70		265								40	45				50	5										
					*	0	Q py	90	65									2.5		35		3		2	45										
						.19	C Q	10	70										80	20															
						.5	C Q	15	70										20	60				10	10				483498	1	0.03		5.8		
											266																								

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. : HL90-146
SHEET No. 39 of 44
LOGGED BY : G. Norman
DATE : April 20 1990

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.B.	Size V.B. mm	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Stay. 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 g/t	Cu	Zn
	QUARTZ DIORITE (COARSE)					0.0	C	5	70		266			10	30		15						0				2-3		1									
	as per 263.7-267.8																													99.53	483499	1	<0.03		0.5		
																	5	15	10				7			2-3			1								
	@ 267.1 * Jenner Style vein.				*	.1	Q C	30	80		267										50	30		TR		20	TR	TR	5%	267.31							
	w/ 20% Po - TR py - TR mt.					.3	C	10	85																	TR.											
	banded Po.																									2-3					483500	1	0.10		1.0		
											268						15						2				2		1								
						.3	Q	20	25																		3										
																														100	483501	1	<0.03		<0.5		
	269.0 - 271.4 Relatively fresh										269			30	10		24										1-3		4									
	QD. The intrusive varies in %																												1									
	hb: bio from 10-30 bio 10-30 hb																														483502	1	<0.03		0.5		
	with a total of 40% mafics at any																																					
	one time. ~60% mafics are chloritic																																					
	~ 5% dissem Mt's										270																											
	270.3 - 270.9. Quartz vein					.3	Q	3	20																		15		4	270.36								
	sub parallel C.A. w/15% dissem py					.9																					1-3		1		483503	1	<0.03		<0.5		
											271																											
																														100	483504	1	0.03		0.5		
	271.35 - 271.53. A ser-carb-chl					.41	Q	10	80								5		10		80	20	3														
	halo surrounds veining (50-10-10)					.5	Q	5	80					35	5		25	2			96					1-2	TR		4								
											272																											
	272.7 - 274.7. QD w/ irregular					.09	C Chl	10	75								20					80															
	felsic dyking or injection.					.39	Q C	5	80													10				TR					483505	1	<0.03		<0.5		
	QD w/ ~35 chl hb ~5% blk bio ~1-2 py dissem																																					
	272.7 Quartz-fsp (40) vein Tr py-1% chl					.7	Q Esp	3	10								1										TR		4								
											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.: HL 90-146
SHEET No. 4001 44
LOGGED BY: G. Norman
DATE: April 20, 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 g/t	Au 2 g/t	Ag g/t 2	Cu	Zn
	QUARTZ DIORITE CONT'D.										273												2						1	0							
						.33	Q	3	15								1										1		4	273.41							
	OS per. 272.7 – 274.7													35	5		20												1		483506	1	<0.03	.01	<0.5 .5		
											274																										
	a) 273.47 Felsic Dyke – irreg 1–4 cm a) ~20°. w/3% chl metics; <1% PY																																				
						.5	Q	70	30															<1			1		4		483507	1	<0.03		<0.5		
	274.0 – 274.7 Felsic dyking subparallel to C.A. w/1% PY somewhat vuggy.										275			30	20		30						1				1-2			92.11							
	274.7 – 276. Q D similar to above.																																				
						.48	Q	20	60																		<1				483508	1	<0.03		<0.5		
	276 – 280.6 Quartz Diorite (Medium) somewhat more mafic → 50%. 40 hb ~10 bio. and slightly finer grained. (Possible more metics give fine grained text? Medium grained.										276																										
						.7	Q	5	80								5										2			276.45	483509	1	<0.03		<0.5		
											277																										
																															483510	1	<0.03		<0.5		
											278																			100							
																															483511	1	<0.03		<0.5		
											279																										
																														279.50	483512	1	<0.03		<0.5		
						.8	Q	2	40					✓	✓		✓						✓				4	TR ✓		98.54							
											280																										

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.: HL-90-146
SHEET No. 41 of 44
LOGGED BY: G. Norman
DATE: April 20, 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	Dolomite	Carbonate	Intensity	% Chalcopyrite	Mo S2	Arsenopy.	Pyrrhotite	Pyrite	Sphalerite & Mt.	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 g/t	Au 2	Ag g/t	Cu	Zn
	QUARTZ DIORITE (medium)					.02	Q	30	40		280	30	20		2						1					TR		4								
	as per. 276-280.6.					.13	Q	10	55						30											3		1								
																										1-2		1		483513	2	<0.03		<0.5		
	280.6-289.																				0						Tr									
	Very even textured hypidio-										281																		98.54							
	morphic quartz diorite. medgrnd.																																			
	w/ 50 mafic - 30% chl bio - 20 bio																																			
	w/ Bo chl. <1% dissem py - Tr - 1%																																			
	dissem Mt. , odd 2mm qtz																																			
	vnlt w/ Tr py. wkly fr.					.96	Q	3	70		282															1%		4								
	w/ ch-py. -35-80°																									<1			282.24							
																														483514	2	<0.03		<0.5		
											283																									
																													99.67							
											284																									
																														483515	2	<0.03		<0.5		
											285																									
																													285.29	—		—				
						.68	Q	3	55		286													TR	½	½										
																													97.38							
																														483516	2	<0.03		<0.5		
											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.: HL 90-146
SHEET No 42 of 44
LOGGED BY: G. Norman
DATE: April 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/Mt	Type Occurrence	Meters Blocks	EST. Core Rec.	ASSAY FROM SAMPLE No TO	Sample Length	Au 1 g/t	Au 2 g/t	Ag g/t g/t 2	Cu	Zn
	QUARTZ DIORITE (Medium)										287	30	20		30						0				<1		1									
	as per 280.6-289.0.																											97.38	483516	2	<0.03		<0.5		
											288																									
																												288.34	483517	1	<0.03		<0.5		
						.03	C	3	60		289										2			Tr.			✓									
	@ 289.26. Carb w/ bond Pow/. * py. w/ 5 cm upholes str gen - wk carb. halo.					.26	C	28	80												5			30	1-2		5/6									
																					2				1		1		483518	1	0.31		1.7		
						.53	Q	3	60													TR		1												
	289.3 - 290.52 Mod-Str chl of mafic ~1% py dissem.					.9	C	5	70		290													3.				100								
																											✓		483519	1	0.34		2.1		
						.52	Q	10	40													TR		<1			5					.45	1.5		
	290.52 - 290.7. Quartz carb veins w/ Po - py arsenopy ser - chl. hab wk carb.				*	.59	C	13	65						10		50			40	5		1	2	1											
											291										2				2.		1									
												30	20		40													291.39	483520	1	<0.03		<0.5		
	290.7 - 292.1 Quartz diorite w/ wk. clay of fsp mod-str chl mafics ~1/2% dissem PY.																																			
											292														✓		✓									
																												95.52								
	292.1 - 297.8. Relatively fresh. QD, with quartz - py veinlets ~40 mafics 50:50 hb! bio ~1% dissem Mt <1% dissem PY. wk fringe w/ chl's py.											20	20		20						0			<1		1	1		483521	2	<0.03		<0.5		
						.15	Q	3	50															12			4									
						.58	Q	3	50															5			1									
						.65	Q	5	15		293																									
						.85	Q	3	20															Tr	Tr											
											294																									

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.: HL-90 146
SHEET No. 43 of 44
LOGGED BY: G. Norman
DATE: April 20 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	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 g/t	Cu	Zn
	QUARTZ DIORITE CONT'D.										294	20	20		20						0				<1			95.52							
	as per 292.1 – 297.8																											297.74	483522	2	0.03		<0.5		
	fr w/ @60° w/PY @ 296.2					.74	Q	3	20						1										<1										
											295				20																				
											296																								
						.14	Q	4	35							TR.									3			101.64	483523	2	<0.03		<0.5		
											297																								
	297.8 – 300.51																											297.79							
	298.0 str fr w/ chl @ 15°.										298										2 to 3														
	*298.67 Quartz carb vnlt (7mm) w/ py arsenopyrite wk clay carb halo.				*	.67	Q	7	80										60	40			4		5				483524	2	0.03		<0.5		
						.8	C	2	85		299													Tr	TR.			100							
											300																								
						42	Q	6	60												✓				4				483525	2	<0.03		<0.5		
	300.51 – 302.07 Medium Grained Quartz Diorite Dyke (Phase 1). slightly porphyritic										301	30	20								0				<1			300.84							

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.: HL 90-146
SHEET No. 44 of 44
LOGGED BY: G. Norman
DATE: April 20 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./Seric.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE # TO	Sample Length	Au 1 g/t	Au 2	Ag g/t	Cu	Zn
	QUARTZ DIORITE (Med Grained) CONT'D										301	30	20		20						0				<1		1								
	upper contact not visible within altered zone lower contact @ ~ 75° distinct but not sharp					.50	Q	4	70							Tr									3-5	Tr	4		483525	2	<0.03		<0.5		
											302										0														
	302.7-304 QUARTZ DIORITE (Coarse) Coarse grained quartz diorite w/ 30% chl hb upto 1cm ave 2-4 mm ~ 20 blk bio ~ 1% disem py ~ ½ disem Mt. wk tsp alteration → clay.											30	20		30										1	<½	1	98.36	483526	2	0.03		<0.5		
											303																								
																												303.84							
						84	Q	20	50		304														1										
	304-305.7 QUARTZ DIORITE (Med) Medium grained phase. rel. fresh as before ~20% blk bio ~ 30% chl hb 1-2 disem Py.											30	20		30										1-2		1	98.36	483527	1.7	<0.03		<0.5		
											305																								
	@ 305.4 1.7 cm Felsic dyklet w/ <1% py.																											305.7							
	EOH 305.7																																		

HL 90-147

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5
LOCATION: Hill Stock
DATE COLLARED: Apr 10/90
DATE COMPLETED: Apr 12/90

DEPTH	DIP	AZ.
0	-45	143.0
177.38	-46	162.5
15.12	-46	147.5
31.00	-47	145.5

LENGTH: 186.5 m
ELEVATION: 777
NORTHING: 7095
EASTING: 11337

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

HOLE No.: HL90-147
SHEET No. 1 of 27
LOGGED BY: G. Norman
DATE: April 30, 1990

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./Serit.	% Chlorite, Clay, Epidote, Sericite, Garnet, Quartz, Dolomite, Carbonate	Intensity	% Chalcopyrite, Limonite, Arsenopyr, 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	Mo ppm
0 - 3.05	CASING				0, 1, 2, 3							3.05								
3.05 to 4.0	CONTACT BRECCIA. Fragments w/ hornfels in intrusive matrix				4								483528	1	15	15	<0.2 .2	210		26
4.0 to 6.0	QUART DIORITE (Hornblende Porphyry)		25 Q 10 20				20 20		15			50.41								
	4.0 - 5.0 Str lim c̄ fractured rock appears to be altered @ D. Quartz vein @ ~ 4.25 @ 20° w/ str				5								483529	2	<5		<0.2	146		4
	lim at contact. Fsp → clay, mafics → sericite. 5.0 - 6.0 w/ ~ 30 str chl mafics at 5.5 w/ 25 chl hb plans up to 8mm x 1mm ~ 5% bio w/ 2%				6	15 15 25 5	30		5			5.49								
6.0 to 6.8	dissem Po w/ wk clay grnelmas.					30			20			88.16								
	HYBRID. - Str lim, some intrusive text appears to be brecciated, mod-clay-altered.												483530	1	<5		<0.2	170		9
6.8 - 17.37	QUARTZ DIORITE (Hornblende Porphyry)				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. : HL90-147
SHEET No 2 of 27
LOGGED BY : G. Norman
DATE : April 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Foliation	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	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	Mo ppm
	QUARTZ DIORITE (Hornblende Porphyry)										7			30	20		30												1										
	med-grained intrusive w/.																												7										
	30 hb lathes up to 6mm long. Hb																												4			483531	1	<5		<0.2	115		<1
	is altered to chl tlcs, → bio.					.7	Q	3	30																		TR												
	trr. ∓-g. ~ 10-15 often hb ! ~5%										8																			8.86									
	in groundmass.																																						
	~ 2% dissem po, ~1% dissem py																																						
	V weak qtz veining @ 7.7 3mm @ 30°																													8.53		483532	2	<5		<0.2	149		3
	w/ No sulphide					.73	Q	6	30																TR		3												
	@ 8.73. qtz vein 7mm @ 45° w/ 3%										9																												
	py minute trace NiS2																																						
	@ 9.45 – 9.7. QUARTZ DIORITE		PY		imm.																																		
	fine bio rich intrusive wkly	30.	65																																				
	porphyritic in-sp upper																																						
	contact @ 30°										10													5			3												
						.2	Q	8	20																		<1			100									
	9.8 – 14.5. Str fractured QD w/																										3					483533	1	<5		<0.2	190		10
	lim. on fr. - hornfels xenolith																																						
	@ 9.9 (10 cm).																																						
	~ 3% dissem PY, 20-30° bio										11																												
	(lath shap possible replaced hb																							30															
	xlts w/ bio – py.																							5															
	@ 11.1 – 11.2 V. broken ! v. str lim.																													11.58		483534	1	160		<0.2	164		7
	@ 11.85 – 12.23 Strong altered																																						
	zone w/ v. str ser. pervasive										12																												
	alteration centered on vuggy qtz					.12	Q	15	30										70					20					4										
	vein @ 12.1.2 1.5cm @ 30° str fr.																																						
	w/ str lim & some py.																							5								483535	1	330		0.2	107		2
	@ 13.4. str fr @ 75-40° w/ ser-clay										13																			100									
	halo & v. str lim.			Str	lim.																																		
			75																					20															
			40																					5								483536	1	10		<0.2	118		8
											14																												

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH: | HOLE No.: HL 90-147
LOCATION: | ELEVATION: | PROPERTY: HARRISON LAKE | SHEET No. 3 of 27
DATE COLLARED: | NORTHING: | CORE SIZE: | LOGGED BY: G. Normen
DATE COMPLETED: | EASTING: | SCALE OF LOG: | DATE: May 1 1990

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Chill Edge	Faults	Veins: Meters	Type	Thickness mm	Angle	Intensity	Meters	B.V.G.	Size V.G. mm.	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Clay Epidote	Sericite	Garnet	PZT 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 2	Cu PPM	Zn	Mo PPM
	QUARTZ DIORITE CONT'D										14				30								3	5			35			100									
	as 9.8 to 14.5.																												7	14.33									
	14.5 - 17.37. Mod-Str fr'd																															483537	1	5		<0.2	139		20
	biotite rich OD. (possible bio.										15																												
	Second aw after h.r.?). w/3-5.																																						
	disseminated pyr. - fr w/ heavy lim.																																						
	Sections w/ str clay altern of fsp.																															483538	1	<5		<0.2	184		4
	as 15.95-16.2																													100									
											16																												
	@ 1°																	50																					
																		30																					
																																483539	1	<5		<0.2	230		5
	@ 17.07-17.2 Intense lim soft.										17																												
	gouge material																							80															
																														17.37									
17.37 to 20.2.	FELDSPAR PORPHYRY DYKE																						4	5								483540	1	<5		<0.2	100		65
	Finely porphyritic intrusive rock w/																	30	30				7	15		2													
	30% 1-2mm wht. clay alter										18																		7										
	~30° blk fine bio. - Grndmass is																						4	5								483541	1	<5		<0.2	40		16
	Siliceous w/ 40% qtz.																																						
	Sections altered by clay (fsp ⇒ clay)																																						
	& sericite (bio ⇒ sericite) These sections																																						
	have v.str lim on fr. ie 17.58-18.2.										19																			93.44									
	& 19.0-20.2. Intense lim. @ 20.0.																																						
	~60% Str fr w/ 5mm of clay-lim.																															483542	1	45	44	<0.2 .1	79		10
	gouge @ 65°																							10															
				65							20												10	60															
	Vuggy qtz w/ v.str lim @ contact.	60																											✓										
20.2 to 27.02	HORNFELS.																													20.42									
	20.2-20.6 somewhat hybridized																															483543	1.	10		<0.2	320		82
	at contact.																													100									
											21																												

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. : HL 90-147
SHEET No. 4 of 27
LOGGED BY : G. Norman
DATE : May 1 1990

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Angles: Bedding FR Stockwork	Angles: Faults	Veins: Metres	Veins: Type	Veins: Thickness mm	Veins: Angle	Intensity	Meters	B.V.8.	Size V.8. mm.	% 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 PPB	Au 2	Ag ppm	Cu ppm	Zn	Mo ppm
	HORNFELS CONTID.									21										60		4				35		1										
	20.6 - 22.1 SILICEOUS BRECCIA																														483544	1	5		<0.2	330		2
	angular - subangular frag. to 1-2cm.																																					
	w/ 3-5 dissem ! fr py		PY							22																												
			75																										100									
	@ 22.1 - 22.75. FELSIC DYKE													20								3	<½		4	1												
	Upper contact @ 25°, Lower contact.		PO																												483545	1	<5		<0.2	240		2
	at 10° ~ <1% PO ! 1% PY <½% CPY			20																																		
	~20' v. fine bio in siliceous matrix.									23				70								5						1										
	heavy fr w/ PO near lower contact.				.07	Q	20	60																	1-2	1-2		7										
	22.75 Hornfels																											4										
	well bedded f- v. fine grained tuff.		PY																										23.47		483546	1	<5		<0.2	155		2
	with banding @ 60°. Mod fr w/			40																																		
	heavy - PO - PY. ~ 1-2 PO ! 1-2 PY.									24																												
	@				15	PO PY	10	60															<½		60	30		5										
	@ 24.01 Skarn patch - 5 x 1½ cm w/																									5+%		1										
	garnet-cp. cpy - po ! py (m 1:1)																											7			483547	1	<0.03		<0.5			
	@ 24.15 1cm massive PO (60) PY (30)			*	.7	PO	15	80																	100			4										
	Vein w/ <½% CPY									25																												
	24.15 - 25.00 5-10% PO - PY as.			*	.07	Q PO	20	80												60					30	10			99.34									
	stringers ! dissem. heavy Fr																																					
	fills to 5mm.	30			Felsic Dyke											5				95					23	1-2		7			483548	1	<0.03		<0.5			
	@ 24.69 - Massive PO Tr Mt. @																																					
	selvage.				.03	Q PY	3	75		26				50												10		1										
					.09	Q PY	3	75																		10		4					PPB		Ppm	ppm		
	@ 25.4 - 25.7 FELSIC DYKE																												2652		483549	1	15		<0.2	144		6
	very qtz rich 95% w/. ~ 5% chl.																																					
	2-3% PO ! 1-2 PY ! traces.				.7	Q	6	50																TR		1-2												
	25.75 - 26.5' str py fr / fills w/ 5-10 py	40								27																												
	some @ 70°				.4	Q	5	50								30								TR		10		1										
	25.7 - 27.02 Hornfels Breccia																											4	95.74		483550	1	95		<0.2	105		3
27.02 to 31.3	27.02 - 27.58 QUARTZ DIORITE DYKE	50																										7										
	upper contact 40, 50° lower contact.																																					
	27.58 - 28.02 ANDESITE DYKE									28																												

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH: | HOLE No.: HL 90-147
LOCATION: | ELEVATION: | PROPERTY: HARRISON LAKE | SHEET No. 51 of 27
DATE COLLARED: | NORTHING: | CORE SIZE: | LOGGED BY: G. Norman
DATE COMPLETED: | EASTING: | SCALE OF LOG: | DATE: May 1 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding F/P	Cleavage/Foliation	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	O.V.B.	Size V.B. mm	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	QZ Dolomite	Carbonate	Intensity	% Chalcopyrite	Mo-Sp 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	Mo PPM
	ANDESITE DYKE CONT'D										28				30		30						3				2-3		1										
	Lt green f-g dyke - appears to be																																						
	amygd. mod fr w/ lim.																													95.74	483551	1	20		<0.2	90		7
	28.02 – 28.9 HORNBLEND PORPHYRYR.										29																												
	Quartz diorite w/ ~20% lt phenocrysts																				40		5				5												
	str chl. Cut by fine aphanitic																													29.57	483552	1	245		0.6	187		2
	andesite dyke w/ flow text contact																						7	30					4										
	at 60°.																																						
	28.9 – 29.2. ANDESITE DYKE.					.9	G	30	40		30																41												
	29.2-30.1 Altered Breccia. as																																						
	previous. - mod-str siliceous.					.33	Q	5	30								30						3		45		1		4										
	becoming str fr'd w/ str lim.					.42	QF	3	50																		TR		1										
	@ 29.6 – 30.1 w/ clay - vein @					.53	QF	3	50																				7										
	29.9 - 3cm @ 40° w/ vugs w/ py.										31																			90.46									
	30.1-31.3 HORNBLEND PORPHYRY																																						
	Upper contact at fr. 80°, lower contact																																						
31.3 to	@ 55° w/ 30% chl hb phenos w/														60								4																
40.78	1% dissem py, cut by several qtz					1.62	Q	25	20																	TR	TR												
	vnts. QTZ - Feldspar veins.										32																1-2												
	HORNFELS.																																						
	31.3 - 36.9. with str biotite																													32.61	483555	1	5		<0.2	130		<1
	development ~60%, in part																																						
	gravitized - hybridized										33																												
	from 33.65 – 36.2 some patches					.13	Q	23	80																														
	w/ ep - qt - w/ 1-2% py. Some																														483556	1	<5		<0.2	140		2
	fr w/ heavy lim.																																						
	@ 31.62 – 32.0 2.5cm bull qtz @ 20°																																						
	vein w/ tr PY-PO vein										34																			91.80									
	runs.																																						
																		5		3											483557	1	<5		<0.2	110		1
			Lim																																				
				55							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.: HL90-147
SHEET No. 6 of 27
LOGGED BY: G. Norman
DATE: May 1 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding FX Shear/Fault	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	B.V.G.	Bits Y.G. mm.	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet QTZ Dolomite	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 PPB	Ag PPM PPM2	Cu PPM	Zn	Mo PPM
	HORNFELS									35							5		3			4			1-2		1								
																											7	91.80							
																											1	35.66	483558	1	<5		<0.2	128		<1
										36																									
	@36.2-36.33 Str lim. zone																					80													
	friable-soft													50								<5			1		1								
		LIM												160													7								
	@36.9 Qz vein - vuggy text. runs		50		.9	Q	400	20		37											6		TR.	1-2	1-2		4				12	.1			
	down core, Partly oxidized																				3				1										
	w/ 1-2 po PY 1-2 w/ Tr. MoS.																											100							
																													483560	1	<5		<0.2	170		40
	37.2-40.78 Hornfels w/ strong																																		
	biotite development locally									38																									
	w/ some granitic material-hybridized.																																		
	moremitized. Irreg. patches/bands																																		
	w/ ep-gt- w/ disem py. ~1%																																		
	dissem c fr py, odd felsic				.7	PY	10	35																	100			38.71							
	vein - diluted! one @ 39.2 - 1cm.									39															1										
	@ 45.																																		
	@ 38.7 discontinuous band of py 1cm																																		
	at 35°.																					40													
	@ 39.5 - 39.7. Str fr w/ str lim.																																		
										40												<5													
																												91.15							
					4	Q	4	60																	4										
																													483563	1	5		<0.2	154		4
40.78 to	QUARTZ DIORITE DYKE	70								41				30		5					1	<5			2-3										
42.1	Relatively fresh w/ 30% bio wk chlcs																																		
	w/ 2-3 dissem py. mod fr. w/ mod.																																		
	-str lim. fr. fr'd at upper @ 70		30																									41.76							
	lower contact @ 60.									42																									

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. : HL 90-147
SHEET No. 7 of 27
LOGGED BY : G. Norman
DATE : May 1 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Angles: Bedding	Angles: Fol/Cleav/Foliat	Angles: Faults	Veins: Metres	Veins: Type	Veins: Thickness mm	Veins: Angle	Veins: 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	Mo PPM
		60									42																									
42.1 to 46.5	HORNFELS					32	Q	28	60				50								4						1									
	Hornfels breccia, partially																										4		483564	2	<5		<0.2	130		5
	arenitized. frag t. 3cm - mod-					72	G	4	70															<1	<1		7									
	~<1		LIM (hmy)								43																	95.08								
				40		.1	Q	5	60																TR											
	@ 42.32 bull qtz 28mm @ 60°		24-28mm.																																	
	w/ lim - partial oxide PY-Po			80																									483565	2	<5		<0.2	124		7
	~1% each -																																			
											44																									
																												44.20								
	44.5 - 44.9 HORNBLEND PORPHYRY			LIM.																																
	DYKE - Lt grey green dyke.	70																																		
	finely porphy. in fsp !! hb (5%)-10			50		54	Q	5	70			5-10			10						3				1											
	upper contact at fr to 70, 1% py	45									45																	43.56								
	44.9 - 45.2 Hornfels.		LIM-10										30		25						2				2											
	45.2. - 45.5. QUARTZ DIORITE DYKE																																			
	relatively fresh upper contact @ 45, str	60																											483566	1	<5		<0.2	58		<1
	fr w/ lim 2% dissem py - mod str											5			20						0															
	chl / mafics, lower contact @ 60°.										46																	46.02								
	45.5 - 46.5. ANDESITE DYKE																																			
	post mineral fine dyke wkly porphyritic																																			
	in wht anhedral fsp grns lower.	75																																		
	contact @ 75 w/ frag. of QD											25	15		20						1	<2			1-2		1	43.56	NS							
											47																7									
46.5 to 48.45	QUARTZ DIORITE.																																			
	Relatively fresh QD dyke w/ wk fr.																																			
	w/ lim, 1-2 dissem PY - mod																																			
	chl. - hornfels frag at 47.4																											47.85								
	~25 chl hornblende 15 bio										48																									
																												84.26	483567	1	10		<0.2	166		7
48.45 to 62.2	HORNFELS																																			
	Grey blk f-g hornfels, 1.5 cm QD dyklet @ 50° @ 48.5										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.: HL 90-147
SHEET No. 8 of 27
LOGGED BY: G. Normen
DATE: May 1 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Cleavage/Foliation	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	A.V.G.	Size V.G. mm.	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	Qz 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	Mo ppm
	HORNFELS CONT'D.										49				60								4	<2			1-2		1									
	Mainly f-grained green-grey black massive & well laminated @ 60° tuff, some siliceous-chert,		60																												483568	2	5		<0.2	124		7
	sections @ 53.1-54. Moderately										50																			84.26								
	hornfels w/ ones of bio. & w/ odd/																																					
	section w/ ep-garnet. ie 51.1-																																					
	51.6. Mod-str dissem & stringers																																					
	PO ~1-2% locally to 5%.																										1-2% locally to 5%											
											51																			50.90								
	@ 51.0 Quartz Diorite dyke/sill																	5		3											483569	2	<5		<0.2	114		10
	2cm. upper contact @ 60°		60																																			
	lower @ 80°																																					
											52																			98.03								
											53																			53.05								
																															483570	1	<5		0.2	144		43
											54																											
	@ 54.2. Quartz vein 2cm @					<.2																							1								
	20° runs down to 54.6, w/					52	Q	20	20														7			15			4								
	15% PO fills fr, broken up by																												4								
	apophyses of granitic material.					.8	Q	5	30															TR.		5			7	58.03	483571	1	10		<0.2	225		150
	@ 55.9 str fr/w @ 85 w/ sa. lim.										55																											
	@ 54.8 - Quartz vein v. similar to above					.2	PO	5	40												65					25	10										
	w/ heavy fr filling PO.																																					
	@ 55.7 - 56.0 Fine grained tuff.																														483572	1	<5		<0.2	165		6
	well banded.. lt green-purple					.75	L	5	55																													
	coloration. w/ blk mottled oxide & tr PO										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.: HL 90-147
SHEET No. 9 of 27
LOGGED BY: G. Norman
DATE: May

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Foliation	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Metres	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Clay 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 PPB	Ag	Cu	Zn	Mo ppm
	HORNFELS CONT'D										56			60							5	TR		2	1		1									
	55.7 - 58.0 contd.																										4									
	sediment is v. wkly calcareous.																										7	58.03	483573	1	<5		<0.2	120		55
	in part. appears to be wk clay																																			
	altered.										57																	57.0			PPB		ppm	ppm		
	Granitic textures @ 57.5 - 57.7.																				3												PPM 2			
						.35	Q	4	35																5				483574	1	<5		<0.2	135		30
	58.0 - 60.8 Grey blk laminated																																			
	fine gr tuff. bands dip 60°																															2	.1			
	to c.a. bio ~ 30% wk dissem		Lim-heavy								58																									
	po <1 odd fine py (h/L).		30																					<1	<1											
	@ 58.6 3cm Qz-ep-gt-py					.5	Q	20	6															3	1			97.05	483575	1	<5		<0.2	110		10
	vein is cut by felsic vein					.6	Q	30	40							1		1				70		<1	1											
	2.0 cm @ 60, fines py.										59														<1											
	58.65 - 10cm f-g Qz dyke																																			
	str broken rock w/ str lim																																			
											60																1	60.05								
	60.4 - 60.7 bands of epu jgt.																																			
	sub ll to bed @ 60		60																					<1												
	60.8 - 62.2															5		1							TR											
											61																									
																												97.70								
											62																									
62.2 to 63.6	QUARTZ DIORITE													30		20	10								<1		5									
	Clay altered matrix ! ser-chl matics.																												483576	1	<5		<0.2	155		6
	62.2 - 63.0 <1 dissem py																																			
											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.: HL 90-147
SHEET No. 10 of 27
LOGGED BY: G. Norman
DATE: May 21 1990

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Foliation	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	B.V.G.	Size V.G. mm	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Clay	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	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	Mo PPM
	QUARTZ DIORITE CONT'D										63				30				20	10				3				<1		1	63.09	483577	1	<5		<0.2	78		3
63.6 to 64.0	HORNFELS										64				60															1									
64.0 to 66.14	QUARTZ DIORITE. Med. grained intrusive w/ ~35% bio ~5 chl hb, tr Mt, <1% decom PY. Str fr a. mod-wk clay altered fsp ~ 10% qtz in matrix.		PY wk. 55 Lin. 70								65			5	35		5		5					1				<1		1	95.08	NS							
											66																				66.14	NS							
66.14 to	HORNFELS Grey blk f-m hornfels tuff. w/ qtz-ep-py qt. veins at 66.60-66.90. Qtz at 66.8-66.9 - irreg massive py, blebs py to 3%. @ 66.92 2cm diorite dyklet.					.68 .78 .9 .04	Q Q Q Q	13 11 10 17	40 50 irreg 60		67								2 1		1			5				<1 3. 5.				483578	1	<5		<0.2	50		2
											68																				88.20	483579	1	<5		<0.2	154		6
											69																					483580	1	<5		<0.2	54		8
	- 69.16-70.30 QUARTZ VEIN. Bull qtz wt fr filling blebs of py. ~ 1% sec. in fr.					.16	Q				70									1		99		6				1		5 7	69.19 100	483581	1	<5		<0.2	38		27

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.: HL90-147
SHEET No. 11 of 27
LOGGED BY: G. Norman
DATE: May 2 1990

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Fol.	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	Size V.G. mm.	Hornblende	% Biotite	Musc./Sericite	% Chlorite	Clay	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 PPB	AU 2	Ag ppm	Cu ppm	Zn	Mo ppm
	QUARTZ VEIN										70								1		90			6				1		4										
																														7										
	HORNFELS		PY											60														<1		1			483582	1	<5		<0.2	45		18
	70.3-72.15 Grey blk f-g bio rich hornfels.			40																										7										
	w/ <1% PY										71																													
	@ 71.22. Feldspar Porphyry Dyke																																							
	23cm. @ 70° to C.A.	70				DYKE								40														<1		7	100		483583	1	<5		<0.2	62		2
	~50 <1mm-2mm fsp planes (serate																																							
	text. ~40 fine bio, 10% qtz.													60														<1		1										
	fresh, tr w/py 50°										72																			7										
	@ 71.6 Felsic Dyke 4cm @ 60°																														72.24									
	chl mod'c <1% disseim. PY																																483584	1	<5		<0.2	57		2
72.65 to		70																																						
	QUARTZ DIORITE		Lim.								73		5	35										1				1												
81.68	Wkly porphyritic in fsp (10° 1-3mm			80																																				
	white) 5-hb phenocryst ~ 35%																30																							
	blk bio. w/ 1% - 2% locally																																NS							
	to 5%. odd h/L py fr fill @ 5°																													1	91.80									
	to 50°, medium grained intrusive		h/L	py							74																			7										
	Upper			45																								Locally to 5%												
	@ 73.07 - 73.55. Str broken-fr'd																																							
	w/ lim' clay altern of fsp'																																							
	@ 73.65 Felsic vein - 1cm @ 50°										75																													
																															75.29									
	@ 75.6 str fr. @ 10. rock is			10		6	@	3	15																			1-2		4										
	friable.																													1										
											76																			7										
																															100		483585	1	<5		<0.2	290		<1
											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. : HL 90-147
SHEET No. 12 of 27
LOGGED BY : G. Norman
DATE : May 2 1990

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Cross-Foliation	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	A.V.G.	Size V.G. mm	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Clay	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Enargite	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 PPm2	Cu PPm	Zn	Mo PPm
	QUARTZ DIORITE CONT'D										77			5	35													1											
	as per before.					108	Q	20	70															3						4									
																														7		100	483586	1	<5		<0.2	150		21
	@ 78.4 - 78.4 Chloritized sedim										78																			1										
	w/ 30 chl. mafics ~2% PY																													7		78.33								
	@ 77.08. 2cm Vuggy qtz vein																30							2				2					NS							
	w/ wk lim.																																							
											79																													
											80																					98.36								
	80.25 - 81.0 Altered Section.					00	PY	3	45																			80											
	Bleached - light coloration.		lim																40	15				5			39	1											
	text destroyed - armchrono			40																																				
	dance w/ mod-str clay mafics																																483587	1	5		<0.2	91		5
	→ py - ser. w/ fr @ 40° w/										81																													
	heavy lim.													5	35									1				1				81.38								
		60																															483588	1	25		<0.2	73		3
81.68 to	HORNFELS										82									30				3				TR											
83.65	Sericite altered. 81.68 - 82.9.					2	Q	20	?																								★							
	Vuggy qtz vein at																																							
	1.5-2cm Vuggy qtz veins w/ lim.																																483589	1	155		0.2	65		7
	@ 82.2 - 82.7.					.7	Q	15	?																											121	.7			
	@ 82.7 - 83.0 Quartz diorite Dyklet.										83																					87.54								
															50									2				<1												
																																	483590	1	5		<0.2	51		5
83.65 to 84.9	FELDSPAR PORPHYRITIC DYKE										84									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.: HL 90-147
SHEET No 13 of 27
LOGGED BY: G. Norman
DATE: May 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	A.V.G.	Size V.G. mm	% Hornblende	Biotite	Musc./Serit.	% Chlorite	Epidote	Sericite	Garnet	Dolomite	Carbonate	Intensity	% Chalcopyrite	Mo S2	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	Mo PPM
	FELDSPAR PORPHYRY DYKE CONT'D										84												3				21											
	Lt somewhat felsic dyke w/																													84.43								
	fine clay altered fsp., sericitized																														483591	1	<5		<0.2	56		50
	mafics. at upper int. end.																																					
											85																											
84.9 to 85.95	HORNFELS																						5															
	w 85.5 - 85.9 - Qtz flooded zone w/																10																					
	1 ~ 2% MoS2. 10% chl. at edges.																				40					1/10					483592	1	<5		<0.2	54		230
		50									86																			92.46								
85.95 to 87.51	FELDSPAR PORPHYRY DYKE														40		<5						0					21		1								
	w/ 20% pink anhedral fsp. (serate text)																													4								
	1-2mm, w/ 4% v. fine bio. ~ 40																																					
	arrangoss. - Rock is fresh,																														483593	2	<5		<0.2	43		2
	w/ 1-2% hornfels xenoliths					60	Q	3	30		87																5											
	<½ disem PY, wkly chl mafics.																																					
	@ 86.89 Felsic Dyke @ 40° - 5cm w/																																					
	Lt PY.	20																												87.48								
87.51 to 89.37	HORNFELS																						5							1								
	Grey blk massive hornfels cut										88																			4								
	but numerous qtz - PO - PO ± MoS2					15	Q	5	40																	5				7								
	veins.					25	Q	3	20																		21											
																														88.52	483594	1	<5		<0.2	158		60
						67	Q	7	40															1			5											
						8	Q	50	65/75		89													1		10												
						2	Q	3	55																													
89.37 to 91.18	QUARTZ DIORITE (HORNBLEND PORPH)													5	35		25						2				1			1	483595	1	125		<0.2	146		30
	w/ 5% hb. phenocryst, 35% bio																																					
	~25 chl, ~1% disem PY										90																											
	Felsic dykelets w/ 5-10% PO.																																					
	@ 90.1 18mm Felsic dyklet @ 30°																													90.53	483596	1	<5		<0.2	117		18
	@ 90.51 23mm " " @ 45																																					
	90.75 8cm. " " @ 55										91																			88.82								

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.: HL 90-147
SHEET No. 14 of 27
LOGGED BY: G. Norman
DATE: May 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./Sericite	% Chlorite	Epidote	Sericite	Garnet	Qtz Dolomite	Carbonate	Intensity	% Chalcopyrite	MoS2 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	Mo ppm
	QUARTZ DIORITE (HORNBLEND PORPH)										91																									
91.18 to													60								5				2-3											
	HORNFELS					53	Q	5	30														TR		5-10				483597	1	<5		<0.2	94		62
	Blk – grey blk. massive to.																								2-3											
	laminated @ 65										92																									
	Cut by numerous qtz veins,																																			
	felsic dyklets Mod-Strong					34	Q	5	60																5			88.82	483598	1	<5		<0.2	123		9
	py @ 2-3%.					41	Q	5	65																15.											
	small QD dyklets as well.																																			
	locally patches bands of ep-qt		75			8	F	10	55		93														<1											
						00	PY	10	35						15				33		7		2		40											
	@ 91.3 irregular qtz flooding,					7	Q	7	50														TR	1-2	2-3	TR										
	py. disseminated along foli. bedding					52	C	5	50							<1		<1					<1	1-2				93.57	483599	1	40		<0.2	72		160
	planes.					57	C	3	70															1												
	@ 92.8 Felsic Vein – 1cm @ 55°					6	Q	15	43		94												1	<1												
	w/ ~15 lin. chl. <1 PY																								1-2											
	92.96 Felsic Veining					3	Q	1.7	65																											
	@ 93.6 1.5cm Qz vein w/ <1 PO ~ 1 MoS2															1					3								483600	1	<5		<0.2	107		17
	cuts Qz-qt-ep vn.																	<1																		
	@ 94.3 Felsic Dyklet – 2.5cm @ 25										95					3																				
	cuts qtz vein 1.7cm @ 65°																											101.97								
	and ep-skarn band 1.5cm @ 70°.															5																				
	@ 95.3 5cm ep-band.																				✓								483601	1	<5		<0.2	78		4
	@ 95.7-96.0 qtz-patches w/ ~5° py																		↑		4															
	<1 po. <1 ep ~2% chl. ~10cm.										96								30																	
	@ 96.62 2cm. QD dyklet @ 30°					18	Q	50	35							2-3		1							2-3											
	@ 96.52 patch of ep-qtz w/ 3% py.																																			
																2			↓						2			96.62	483602	1	<5		<0.2	60		3
	97-98.4 Grey black hornfels.					88	Q	5	50		97				15	1		<1							2											
	cut by 1-2cm Felsic dyklet																											100								
	veins. @ ~65° patches of ep, qtz																												483603	2	<5		<0.2	57		2
	@ 97.85 – 8cm.															80		20																		
											98																									

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
LOCATION: | ELEVATION : | PROPERTY : HARRISON LAKE
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HOLE No.: HL90-147
SHEET No. 15 of 27
LOGGED BY: G. Norman
DATE: May 3, 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	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	Mo PPM
	HORNFELS					.08	Q	2	60		98				5						4				10												
98.43 to 99.62	FELDSPAR PORPHYRY																												483603	2	<5		<0.2	57		2
	Similar to described above	45											50								1				1		1										
	w/ hornfels xenolithic large one										99																7	100									
	at. 99.3-99.5, Clay alter. 99.-99.10																																				
	Pyrite is fresh but cut by felsic																																				
	dyklets. w/1-2% PY., 1% dissem. Fr PY	70																										99.67	483604	1	<5	11	<0.2 .1	72		3
99.62 to 102.62	HORNFELS					.00	Q	20	50		100					5					4				5		7										
	Grey - grey blk tuff - strongly					.32	Q	12	30							10		10							2		4										
	hornfels w/ well devel. biotite																																				
	cut by numerous qtz-cp-gt-py																												483605	1	<5		<0.2	100		2
	veins - stringers.					.68	Q	8	25							5		10							1												
	Also cut by small Feldspar Porphyry					.85	Q	70	poly.		101														10												
	and Felsic dyklets.																																				
	Py mainly as dissem w/ skarn																																				
	alteration also as hairline fracture fills.					.51	Q	4	80															TR.	2			100	483606	1	<5		<0.2	94		11
	100.4- 10cm. Feldspar Porphyry Dyke					.67	Q	4	65							3		2							4												
	@ 102.6 Felsic Dyklet 4cm @ 80.										102																										
	@ 101.51, 101.67 4mm Qz. Py veins																																				
	cut skarn veins.																												483607	1	<5		<0.2	87		17
		70																										102.72									
102.62 to 103.48	QUARTZ DIORITE	70				.8	QF	6	15			15	25		5						1				4		4										
	Fresh. w/15 chl hb ~25. blk bio.										103																7										
																											1										
		50				.75	Q	5	40																5												
103.48 to 103.84	FELDSPAR PORPHYRY	50																											NS								
	fresh as before.	40																			0							100									
	HORNFELS	40									104																										
103.84 to	Black f-g. hornfels cut by numerous												60							4					2-3		1										
	qtz-py-chl veins					.4	Q	10 20	5						5.									4	5 10		7										
	@ 104.4- 105. Qz vein runs																								2-3		4		483608	1	<5		<0.2	128		45
	down C.A w/. 5-10 py - 5%																																				
	chl 1 po, dissem py halo.										105																										

BEMA GOLD CORPORATION

N.T.S. MAP GRID: 92 H 5 | DEPTH | DIP | AZ. | LENGTH :
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DATE COMPLETED: | EASTING : | SCALE OF LOG :

HOLE No. : HL90-147
SHEET No 16 of 27
LOGGED BY : G. Norman
DATE : May 3, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Chev/Foliat	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	PTZ 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	Mo ppm
	HORNFELS					.00	Q	13	25		105		60											1	2		1									
						.15	Q	13	40															<1	5		7	100								
						.47	Q	3	70																<1		4		483609	1	<5		<0.2	55		80
																												105.77								
	Str ser alt'n at contact w/ QD –					.00	Q	10	10		106				45									<1	<1											
	7cm. – coarse ser w/ 1.5 carb vein @ 55°																																			
106.21 –						.27	Q	2	70			20	20		20						2				1-2	5.	1									
	QUARTZ DIORITE	70				.35	Q	5	70												3				5-10		7		483610	2	5		<0.2	110		20
	w/ 40% mafics w/ 80% chl hb w/		py			.43	Q	6	10															2	5		4									
	some phenocryst to 1cm, 20%		50								107														1-2											
	biotite (blk fresh). <1% dissem																											92.76								
	py., mod fr w/ h/L py fills (		py																																	
	some heavy coatings).		70																																	
	Fsp display glomeroperphyritic																																			
	texture.										108																									
						.2	Q	2	50												2-				5											
						.3	Q	2	50												3				5-10											
	Blk vns w/ Po – Py – MoS2					.45	Q	2	60																2											
	– Tr. Cpy.					.5	Q	5	40																15			108.8	483611	2	5		<0.2	130		16
						.8	Q	15	50		109																									
						.00	Q	10	20																											
																					2				1-2											
																						TRACE														
						.85	Q	7	30																											
											110																	100								
	Contact ∥ to bding in Hfls.	60																																		
110.2 –	HORNFELS.					.95	Q	7	40				60		5	15	5	15			2-			2-	1-		1									
117.9																					3				2		7		483612		<5		<0.2	83		22
	Blk. grey & blk w/ locally					.95	Q	8	45																		4									
	narrow bands C.S. w/ Ep + Gt.										111																									
	Also narrow GD Dykelets and																																			
	GD dyke @ 110.5 – 110.6.																					TRACE														
	Pd w/ Ep + Gt. in Qtz vn @					.9	QC	10	70																											
	110.85										112																	111.9								

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.: HL90-147
SHEET No. 17 of 27
LOGGED BY:
DATE: Nov 3, 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./Swic.	% 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	Mo PPM
	FOOTWALL – GAB[illegible]					.5	Q	20	25		112				50		1	5	5	5			V			1	1											
						.25	Q	5	5																	1	2		1									
	As above. Sil. c.s. w/ GAB																												2									
	Sil. common.																																					
											113																											
																														93.93								
											114																			114.0								
						.15	Q	5	35																													
	114.7 – 115.2 AND 115.9 – 116.1:																							Carnacy.							483614		<5		<0.2	133		13
	Hills is bx'd w/ gray-white matrix.					.6	Q	6	40																		3-											
	Py ff to 1-2 mm ass'd w/ these										115																4											
	zones of Bx'g.					.4	Q	5	65																													
	@ 115.55: 7 cm Qz-(Q) bd @																							TR.						97.68								
	60° CA. w/ → 20% Py diss &																																					
	massive & 5-10% diss'd hd.										116																2-											
	locally.																										3											
																															483615		<5		<0.2	118		12
											117																			117.04								
	Contact 1" to 1/2" @ 40° CA.														V		V	V		V			V	V		V	V											
117.4 – 118.1	AD (DYKE) Sil. alt'n along	40												20	20		15						2			1-	1			100								
	117.9 – 118.2 w/ Py 1-2%.																									2				117.8								
	Typical L-m. alt'd. Rest 117.9.										118						V						V															
	Increase in heavy sil. alt'n toward																5-		10				3-															
	w/ Py mining.																10						4	TR						93.11	483616.		<5		<0.2	126		18
	@ 118.3: 5 cm Sil'd dyke. Cut																																					
	by assorted Qtz-Py-Po-Tr. Cpy																																					
	vns.										119				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. : HL 90-147
SHEET No 18 of 27
LOGGED BY : G. Norman
DATE :

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Chlox/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	Mo PPM
	DK. CONT. – Contact [illegible]	45				.3	0	3	50		119																									
119.1 – 120.8	LOCALLY					.4	0	10	50					50	5	5	5–	5			2			1–	2–		1									
	119.3 – 120.1 : Dk'r 4th. w/																10							2	3		4									
	gradd'red matrix.																										7									
											120																	93.11								
	Locally hfls is f. grey, sericitic																																			
	w/ fine disc. & ff. 2–3%.																												48367		<5		<0.2	134		11
	– minor MoS2 in the vtg					.7	0	3	50																											
120.8 – 126.9	QUARTZ DIORITE.	50									121			20	20	15		5			2–			1	2–		1	121.01								
																					3				3		4									
	Text. variable. fine to coe																										7									
	grained.																																			
											122																									
																													*							
	Minor shearing & broken core																											99.34								
	@ 123.3 – 123.5, 124.05 – 124.9,																												48368		20	8	<0.2 .3	168		11
	some fwd w/ lim. increase in																																			
	Sr. alt'n @ decrease of Chl.										123																									
																10		10–			3–															
	123.1 – 123.3 : gradd'red hfls					.55	0	5	50									15			4															
	w/ lim. @ 45° CA. Some bds.					.65	0	4	30																											
	strongly biotitic.																																			
											124																	124.05								
																													48369		5		<0.2	139		8
											125																									
																15		5			12-8							87.87								
											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.: HL 90-147
SHEET No 19 of 27
LOGGED BY:
DATE: May 3, 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	Mvsc./Swir.	% 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	Mo ppm
	QUARTZ MONZONITE										126																											
																														87.87	483620		5		<0.2	230		10
	Contact vague, granitized.																																					
						.90	a	5	45		127																			127.1								
126.97 – 127.85	HORNFELS. . hollow gt. with common														50		5	5	5-	5			2-			1	2-3											
	. by common at ff.		55																10				3															
	Contact sub-ll to foli.																																					
		45									128																											
127.35 – 129.8	QUARTZ MONZONITE.													20	20		10		5-				3-			1	2											
						.4	a	3	35								15		10				4															
	f.-m. gt'd wk-mod set'd.					.55	a	5	60																					93.44	483621		5		<0.2	72		10
	128.76 – 129.4 : felsite w/ 0.1 m										129																											
	Set'd diam of Hfls, Contacts																																					
	Steil @ 40°, Clots Re-Set; disc Mo.																																					
	129.4: 3 cm felsite dyklet. @ 50° ca																																					
	Lower contact vague.	?																																				
129.8 – 132.2	HORNFELS										130				40		10		10-				3-	1%		1	2-			130.15								
																			15				4				3											
	Generally foliated gneiss mod.					.45	a	6	45																													
	set'd.																														483622		15		<0.2	96		11
	@ 131.0 : 4 cm felsite dyklet.										131																											
																														100								
	131.15 – 131.45 : Felsite dyke w/																																					
	u. & l. contacts @ 60 and 75° ca.																																					
	Clots Re-Set as before.																																					
											132																											
	Contact vague & irreg.																																					
132.2 – 148.95	QUARTZ MONZONITE.													20	20		15		5				1-2			1	1											
																															483623		20		<0.2	140		11
	Med. gt'd, locally cse.																																					
											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.: HL 90-147
SHEET No. 2D of 27
LOGGED BY:
DATE: G. Norman.

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Chax/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	Ag PPM	Cu PPM	Zn	Mo PPM
	DUACITE PORPHYRY – CONT'D					.10	Q	10	50		133	20	20		15		5				2			1	1		1	132.2								
						.35	Q	4	50												2			1	2		14									
	As above.					.4	Q	8	70																		1									
						.25	Q	4	60																											
											134																									
	Qtz vein system [illegible] Mo Sp. minor Po, Tr. Cpy					.00	Q	6	60																											
																												100	483624		5		<0.2	96		6
											135																									
						.3	Q	5	60													Cpy													
																						Tr.														
											136																									
																						Mo.S.						126.25								
																													483625		5		<0.2	45		3
											137											Minor														
	137.7 – 139.3: Felsite Porphyry Dyke Mafic – dyke – sharp contacts on longitud. Qtz. U. & L. contacts @ 45°.																											98.68								
											138																									
	@ 138.2: 5 cm felsite dyke @ 45° CA. Cuts Tr-inc ab phase above.																												483626		10		<0.2	78		1
											139																									
																												139.3								
	@ 139.65: 6 cm felsite dyke @ 30° CA.																																			
																												100								
						.99	Py	3	40		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.: HL90-147
SHEET No. 21 of 27
LOGGED BY:
DATE: May

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Cleavage/Foliation	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	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	Mo PPM
	QUARTZ BIO-[illegible] - CONT'D.					.15	Q	3	35		140			20	20		15		5				1-			1	1-		1										
																							2				2		(4)										
	Sim. to above - see also																												(7)			483627		5		<0.2	220		15
	GEN description below.					.3	Q	5	30																														
											141																												
	Felsite dykes @ 141.15, 141.4,					.4																																	
	142.3, 142.5, 142.8 w/ intervals																													100									
	widths of .2m, 3cm, 5cm, 15cm,																																						
	.25m, CA'S from 30-60°, avg 45°.					.35	Q	3	80																														
						.9	Q	4	45		142																												
	Rest 143, 8-12 v/s carb mate																																						
	Po & Cpy @ expense of Py. No																													142.34		483628		90		<0.2	126		2
	MoS2 noted to 143.08.																																						
						.35	Q	3	45																														
	143 - 148.95.										143																												
	Medium-coarse grained hb-bio													15	25		15						2			~1			1										
	(15-25) intrusive, ~10° qtz. ~50																												7					-					
	wk clay altered fsp. ~ 1% dissem																												4										
	fr py.		py																																				
	Cut by several whitish felsic				60	.00	Q	15	60		144						1-2													98.69									
	dykelets. Ovl. feldspar porphyritic dyke					.23	Q	35									1									TR													
	Wkly xenolithic w/ large xenolith																															483629		5		<0.2	220		3
	@ 145.0 - 145.43. Minor qtz-po																																						
	veins.					.62	Q	7	40															TR		5/10	TR												
			Py	Wavy.		.65	Q	4	60		145													TR.		1-2	TR												
	@ 144.4 Felsic Dyke 7cm @ 60°			15		.2	F	7	20																	5.													
	w/ 1-2 dissem Po.		Py	25																						1					145.39								
	@ 145.4 10cm patch of qtz-ep-gt																	1		1																			
			py	45																																			
	146.11, 146.4, 146.73 Felsic Dykes.					.92	Q	6	75		146						1							TR		1													
	@ 5, 10, 6cm respectively,																													100		483630		5		<0.2	135		9
	w/ ~5% dissem PO.																																						
	Patch of porphyritic dyke @ 141.5.																																						
											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.: HL 90-147
SHEET No. 22 of 27
LOGGED BY: G. Norman
DATE: May 3, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	Foliation	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	a.v.g.	Size v.g. mm	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Qtz Dolomite	Carbonate	Intensity	% Chalcopyrite	Mass Sulphides	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	Mo PPM
	QUARTZ DIORITE CONT'D										147			20	20		5						2						1									
	as per 143.0 – 148.95																												7									
																													4									
																										5	<1											
						.85	Q	5	30		148															5	<1			100								
						.98	Q	5	30																													
		QZ	PY																											148.44								
		Carb	25			.58	Q	5	65								1							TR		<1					483631	2	<5		<0.2	215		25
											149																											
148.95	HORNFELS		PO																																			
			80																																			
	Grey black f.-a. hornfels.		Felsic	Dyke																						1-2			1									
	cut by mod-str quartz stkworks														60								4						1									
	WK qtz-po veins, a felsic					.9	Q	10	65		150													TR	23				4	8852								
	dyke 149.3 – 149.7					.02	Q	6	70															1	3	4			7									
						.33	Q	10	60															TR .1	2													
	@ 149.3 – 149.6 Felsic Dyke w/																								1						483632	1	60		<0.2	143		140
	2% po as dissem', Fr stks																																					
	150.7 – 151.7 Qtz stockworks.										151										25																	
	152.5 – 153.0 Qtz stockworks					.27	Q	4	80																2													
																														151.49	483633	1	<5	5	<0.2 .2	113		11
						.45	Q	5	35																													
						.75	Q	18	70															Tr+ .1	1-2													
	@ 153.5 Quartz Diorite Dyke										152														1													
	7cm @ 70°																																					
																															483634	1	5		<0.2	96		3
																					10																	
											153																			97.70								
	@ 154.0 – 154.4 Large qtz-mass																																					
	w/ 2-3 gt <1 ep <1 Po.																														483635	1	5		<0.2	93		7
											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.: HL 90-
SHEET No. 23 of 27
LOGGED BY: G. Norman
DATE: May 3, 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding F/P Cleavage/Foliation	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	B.V.G.	Size V.G. mm.	% 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 g/t	Au 2 g/t	Ag g/t 2	Cu	Zn
	HORNFELS - 154.45-157.54									154												3							97.70	*	↑					
	Grey green - grey blk f-g hornfels.																		3			2														
	tuff w/ ~60° dusd of biotite.				.59	Qz	23	60									3		3	44									154.53	483666	1	<0.03		<0.5		
	- Many 1cm felsic - quartz chlorite																																.01	.5		
	dyk lets - 1cm @ 20°. odd									155																					↓					
	qtz-ep-gt. vein, py as b/l & fr																																			
	fills on wk dissem. 154.45-																													483667	1	<0.03		<0.5		
	154.55 dissem gt porphroblasts ~3%.																																			
										156																										
																													101.31	483668	1	<0.03		<0.5		
										157																										
																						✓							157.58	483669	1	<0.03		<0.5		
	157.58 - 158.0 QUARTZ FLOODED																4		1	50		5			15		4									
	ZONE w/ qt-ep-py at uphole end									158																										
	15-20° v. fine dissem po no halo	po, py																																		
	w/in hornfels. Quartz has brecciated		70																75			6								483670	1	<0.03		<0.5		
	rock somewhat.																																			
	158.0 - 158.4 Blk hornfels w/ po-py-py																												101.64							
	f/fills @ 70°									159																										
	158.4 - 160.0 Garnet Porphyroblast																																			
	rich section 4mm porphroblasts																													483671	1	<0.03		<0.5		
	upto 75°																																			
	* @ 159.95. Carb vein w/ heavy PO, fr CPY			*	95	Qz	37	70		160												7	TR		40											
	@ 159.95 - 163.9. Zone of Po intro-	po																							↑											
	duction as heavy fr fills stringers																								15											
	in qtz veins, dissem 3-5		40																						↓				160.63	483672	1	<0.03		0.7		
	locally to 15° w/ stock work PO																														↓					
	fr stystems									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.: HL 90-147
SHEET No. 24 of 27
LOGGED BY: G. Norman
DATE: May 31 1990

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles: Contacts	Bedding	Fr. Check/Fabric	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Sericite	% Chlorite	Epidote	Sericite	Garnet	Or Dolomite	Carbonate	Intensity	% Chalcopyrite	Mos2	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks EST. Core Rec.	ASSAY FROM SAMPLE No. TO	Sample Length	Au 1 g/t	Au 2	Ag g/t	Cu	Zn
	HORNFELS	Po heavy									161										7			3-5	1		4								
	as per 159.95 - 163.9			20		.3	PO															<1		40 20	1		1								
																								3-5			7		483673	1	0.03		1.4		
											162																								
						.02	PO	5	60															30											
	@ 162.35. Jenner Style Vein.				✗	.35	Q Po	25	60												9	Tr to .1	Tr	15 20				98.36	483674	1	0.03		<0.5		
	2.5cm Quartz w/sharp vein																				7			1											
	boundaries, w/~15-20 Po, Tr-.1																																		
	cpy! Trace MoS2										163																								
	162.37 - 163.7 Hornfels w/ ~30%																																		
	1mm garnet porphyroblasts.																	30										163.68	483675	1	<0.03		0.7		
	w 1% po as disseminations & h/c																																		
	fr/fills					.85	PO	5	40		164																								
																								75											
	164.0 - 167.4 Zone of Strong qtz.																																		
	-ep-gt-py veining - odd.																												483676	1	<0.03		<0.5		
	qtz-po-py vein. As well cut by 2					.92	QE	17	65												6														
	felsic dykes.					.95	QE	10	65		165																								
						.00	QE	20	65														1		1			100.66							
	@ 164.6 Felsic dyke. 6cm @ 30°					.03	Q	10	65.														1	<1	2										
	~20 dl. specks					.21	Q Po	7	55														1	<1	3				483677	1	<0.03		<0.5		
	@ 164.92 - 165.3 Zone of strong					.28	Q Po	6	40														1	1	3-4										
	veining. qtz-ep-gt 'Qz-po-py					.52	Q	10	60		166					5		5	40			TR	Tr	4	2-3										
	@ 165.7 - 167.3 Str qtz flooding					.00	Q	16	40							5 to 10									30										
	w/ ep-gt-! ~5% py	Po		65																				3					483678	1	<0.03		<0.5		
																												166.73							
	@ 166.36 - 166.76 40cm Felsic Dyke.										167					1		5						1-2											
	w/ ~3% fr po.																																		
																												93.75	483679	1	<0.03		<0.5		
											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.: HL 90-147
SHEET No. 25 of 27
LOGGED BY: G. Norman
DATE: May 3 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./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 g/t	Au 2 g/t	Ag g/t 2	Cu	Zn
	HORNFELS CONT'D										168			60							6						1									
																											7									
	168.0 – 172 – black hornfels w/ fr po																	30									4			483680	1	<0.03		<0.5		
	3-5% ! qt-po veins.																																			
	168.2 – 168.6 – Dissem garnet										169																	93.75								
	porphroblasts. ~ 30%.					.15	Q	3	60												7			30	TR											
	168.6 – 172.0 – 3-5% fr po.																													483681	1	0.03		1.4		
				*		.85	Q po	5	25		170										8	TR	3-5	30				169.73								
	@ 170.4 – 170.65 Vein down C.A					.2	C	5	20												7		<1	25		TR				*						
	@ 10° – garnet porphroblasts.					.4	Q	4	10															5	TR											
	~ 40.																	30												483682	1	0.14		0.7		
	@ 170.69 Jenner Stule Vein			*		.69	Q po	22	80												8			15									.14	.5		
	w/ 15% PO.										171					2					7															
	@ 171.0 – 171.5. Quartz – PO vein					9.5	Q po	3	5									20						5	1-2											
	3mm runs down core. Garnet																											100								
	porphroblast 171.0 – 171.2. ~ 20°					.66	Q	3	80													TR		5	TR					483683	1	0.03		<0.5		
	! 171.5 – 173.1 w/ 15-30°.					.65	Q	4	10									15						5	1											
	* 173.1 – 174.1 Chl – Sericite										172							to																		
	halo around Carbonate – Qtz (20)																	30																		
	Vein Breccia Zone (173.3 – 173.6)																																			
	w/ ~ 2% v.fine arsenopyrite.																													483684	1	0.10		<0.5		
						.95	po Qc	3	40											10				25												
	@ 172.8 – 5mm heavy PO Vein let.					.8	PO	5	50		173													100				172.82								
				*		.3	C Q	250	30						40		20		20	78	10		2				1			483685	1	1.27		<0.5		
						.8												BRECCIA			VEIN.															
																								35												
	@ 174.7 – 175.3 Fine dissem, Fr PO										174				40		20											99.34								
	to 15% – potsh gtz – ep – gt at 175.																																			
	@ 174.25 2.3cm Quartz vein			*		.25	Q	23	85												10	TR	20	15						483686	1	0.58		1.0		
	w/ 20% Arsenopyrite 15% Po.																																.01	.5		
						.68	Q	10	50											20				15												
											175																									

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. : HL 90-147
SHEET No. 26 of 27
LOGGED BY : G. Norman
DATE : May 3 1990

METERS FROM – TO	Rock Type and Textures – Colour, Alteration.	Angles: Contacts	Bedding	~~Foliation~~	Faults	Veins: Metres	Type	Thickness mm	Angle	Intensity	Meters	% Hornblende	Biotite	Musc./Seric.	% Chlorite	Epidote	Sericite	Garnet	QTZ Dolomite	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 g/t	Cu	Zn
	HORNFELS CONT'D										175			60							7			2	<1		1								
																											4	99.34	483687	1	<0.03		<0.5		
																											7								
																												175.87							
	176.0 – 178.5. Dissem ' Fr.										176													3-5											
	PO. 3-5% locally upto 15%.					.13	Q	60	30															1	2-3										
	– 176.13 ' 176.5. 6-4cm bull					.5	Q	40	30										20					3-5	1				483688	1	0.03		<0.5		
	qtz w/ fr. PO ' PY 2.-5%.																								<1										
											177																								
	@ 177.18. Quartz – PO (15%)				*	18	Q	20	70															15	2.										
	@ 70°.																							3-5				100.66	483689	1	0.03		<0.5		
	177.8 – 178.1 QTZ Flooding w/										178					5		10	60						4										
	3% PO as Fr filling ' dissem – as																				4			1											
	well ~15° as halo w/in hornfels																												483690	1	0.03		<0.5		
	178.28 – 178.45. Skarn patch w/																																		
	qtz – ep – gt (10%)																											178.92							
											179																								
	178.5 – 182.5. Blk f-g hornfels	PO																																	
	w/ patches of dissem. garnet		40																																
	porphyroblasts upto 40° as per																																		
	182.8 Weakening of PO content					62	Q	5	60							30																			
	and number of qtz-po veins to.										180																								
	@ 179.6 qtz vein w/ ep halo 1-2cm																																		
																												96.07	483692	1	<0.03		<0.5		
		PO																																	
			40								181																								
																													483693	1	<0.03		<0.5		
																												181.97							
											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.: HL90-147
SHEET No. 27 of 27
LOGGED BY: G. Norman
DATE: May 3 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	Dolomite	Carbonate	Intensity	% Chalcopyrite	Pyrrhotite	Pyrite	Sphalerite	Type Occurence	Meters Blocks / EST. Core Rec.	ASSAY: FROM SAMPLE No. TO	Sample Length	Au 1 g/t	Au 2	Ag g/t	Cu	Zn
	HORNFELS. CONT'D.					2	PO	3	40		182		60										100			–								
	as per 178.5 – 182.5.		PY																				2			1								
				70																								483694	1	<0.03		<0.5		
																		45			5		21			4								
	182.5 – 186.54. Weakly (soft)					00		15			183															–								
	hornfels black sediment w/					.1		40																										
	w/ dissem garnet – discontinuous																										100							
	~ 45% locally to 15%.																											483695	1	<0.03		<0.5		
	add qtz-ep. vein. 1 qtz																																	
	po. Total PO ~ 1%.										184																							
						.2	Q	4	70													TR	2											
	@ 183.0 '183.10 – ep.-qtz veins.																						100											
						.52	PO	4	70																			483696	1	<0.03		<0.5		
			PY	40							185																185.01							
															3.							2	2	1										
	@ 185.7 Quartz vein 23cm					.7	Q	23	60																			483697	1	<0.03		<0.5		
	w/ 2% PO 1 PY & MoS2										186.																70.59							
	~ 5% Chl.																											483698	.54	<0.03		<0.5		
																											186.54							
	E.O.H 186.54																																	