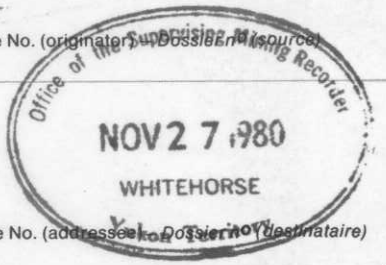
Government of Canada / Gouvernement du Canada

ROUND TRIP MEMORANDUM **NOTE ALLER RETOUR**

FROM / DE: Mayo Mining District

File No. (originator) / Dossier (source):



TO / À: SMR

File No. (addressee) / Dossier (destinataire): 090690

Subject - *Objet*: Diamond Drill Logs

-- "Werneke" "Railroad" & "Arc" Claims
Gambler Lake Area - 105-M-14
Canada Tungsten Mining Corporation Limited

6 Holes — 2132'

Core Storage ? Bema office - Mayo.

cc: Geology Section

Signature: [signature] Date: 26/11/80

Reply - *Réponse*

--

Signature Date

7540-21-029-0717

CGSB STANDARD FORM 59

FORMULE NORMALISÉE 59 DE L'ONGC

1 ADDRESSEE / *DESTINATAIRE*

Please add reply — Keep this copy and return No. 2 to originator.
Ajouter la réponse — Garder cet exemplaire et renvoyer le nº 2 à la source.

NMD

ASSESSMENT REPORTS

MAP No. 105-H-14 TYPE OF WORK: Diamond Drilling + Trenching

REPORT FILED UNDER	Canada Tungsten Mining Corporation Limited 090690
DATE PERFORMED	11 Aug. 24 Aug. '80 DATE FILED: 2 September 1980
LOCATION – LAT.	63°57' Gambler Lake, Yukon
LONG.	135°20'W
CLAIM Nos.	RAILROAD, WERNEKE & ARC claims
	Y 16959 - 16992 RAILROAD 1-40
	24565 - 24572 ARC 1-8
	20905 - 20920 WERNCKE 20905 - 20920
WORK DONE BY	Bema Industries Ltd. G. Rodgers
WORK DONE FOR	Canada Tungsten Mining Corporation Limited
REMARKS	The claims were optioned by Canada Tungsten from Cro-Nur Mining Co. The property was explored with 20 bulldozer trenches and four diamond drill holes totalling 396.7 meters. Samples were analyzed for Pb, Zn, Ag and Au. No significant intersections were encountered.

090690

BEMA INDUSTRIES LTD. | Suite 203, 19945-56th Avenue, Langley, B.C. V3A 3Y2 (604) 530-9731 TELEX 04-365616

November 18, 1980

Mr. R. G. Ronaghan
Mining Recorder
Mayo Mining District
Mayo, Yukon

Dear Mr. Ronaghan

Re 1980 Assessment of Werneke, Railroad and Arc Claims
Gambler Lake area, N T S Mapsheet No. 105 M 14

Enclosed please find copies of the assay results which should complete our obligations as to obtaining assessment credit for the above-mentioned claims. Would you please send me copies of the renewal certificates at your earliest convenience.

Thank you for your attention.

Yours truly

BEMA INDUSTRIES LTD.

Glen Rodgers
GEOLOGIST

GR/gg

Enclosures

090690

SEPTEMBER 2/80
MAYO ; YT.

NOTE :

TO FOLLOW RAILROAD/WERNEKE/ARC

ASSESSMENT REPORT :

- COPY OF DRILLERS DAILY REPORTS
- COPY OF DIAMOND DRILLING CONTRACT
- COPY OF RECEIPTS FOR MUD, DIESEL ETC.
- COPY of ASSAY RESULTS.
- COPY OF TRENCH LOCATION MAP.

RECD 3/9/8 →

24/08/80

SUMMARY OF TRENCHING & DIAMOND DRILLING FOR ASSESSMENT CREDIT (RAILROAD, WERNEKE & ARC MINING CLAIMS) MAYO MINING DISTRICT, YT.

THE RAILROAD, WERNEKE, & ARC CLAIMS ARE LEASED TO CANADA TUNGSTEN MINING CORP. BY CRO-MUR MINING Co..

ALL EXCAVATION WAS DONE USING A D8 CATERPILLAR LEASED FROM KOLODY ENTERPRISES (WHITEHORSE). AN ACCOMPANING MAP SHOWS THE TRENCH NOS & VOLUME OF MATERIAL REMOVED. AN ACCOMPANING CHART SHOWS THE CALCULATIONS & ACCUMULATED DOLLAR VALUE.

COPIES OF ALL DIAMOND DRILL LOGS ARE INCLUDED. ASSAY RESULTS AVAILABLE @ A LATER DATE.

CORE IS STORED @ THE BEMA OFFICE IN MAYO.

THE TOTAL DOLLAR VALUE CREDITABLE TOWARDS ASSESSMENT IS $56,656. THE 72 CLAIMS HAVE BEEN RE-GROUPED AS 5 GROUPS & TO HOLD THESE 5 GROUPS FOR 5 YEARS (MAX.) $40,000 WORTH OF ASSESSMENT CREDIT IS NEEDED.

(GLEN M. RODGERS)
BEMA INDUSTRIES
(FOR CANADA TUNGSTEN MINING CORP.)

MAYO, YUKON
SWORN TO ON
SEP - 2 1980

NOTARY PUBLIC

090690

ASSESSMENT WORK CALCULATION.

TRENCH NO.	EARTH / GRAVEL / LOOSE MATERIAL $1.00 PER YD³	ROCK / FROZEN MAT'L. $1.50 PER YD³
T-7 CLEAN OUT	5 × 65 × 1.0 = 325 m³	
T-8 CLEAN OUT	5 × 2 × 15 = 150 m³	
T-10 CLEAN OUT	5 × 25 × (0.5)(0.1) = 6. m³	5 × 25 × (0.5)(0.9) = 56. m³
T-80-01	5 × 9 × (2.0)(0.5) = 45 m³	5 × 9 × (2.0)(0.5) = 45 m³
T-80-02	5 × 16 × (1.5)(0.33) = 40 m³	5 × 16 × (1.5)(0.67) = 80 m³
T-80-03	5 × 25 × (1.5)(0.33) = 62 m³	5 × 25 × (1.5) × (0.67) + 10 × 20 × (1.17) = 360 m³
T-80-04	5 · 5 · (1.0)(0.5) = 13 m³	5 · 5 · (1.0)(0.5) = 13 m³
T-80-05	5 × (7.5) × 2 (0.5) = 38 m³	5 × (7.5) × 2 (0.5) = 38 m³
T-80-06	5 × (12) × (1.5)(0.25) = 23 m³	5 × (12) × (1.5)(0.75) = 68 m³
T-80-07	5 × 12 (2.0)(0.95) = 114 m³	5 × (12)(2.0)(0.05) = 6 m³
T-80-08	5 × 50 × (1.0)(0.5) = 125 m³	5 × 50 × (1.0)(0.5) = 125 m³
T-80-09	5 × 11 × (3.5) = 193 m³	
T-80-10	5 × 10 × (2.0)(0.5) = 50 m³	5 × 10 × (2.0)(0.5) = 50 m³
T-80-11	5 × (10)(1.5)(0.33) = 25 m³	5 × (10)(1.5)(0.67) = 50 m³
T-80-12	5 × 60 × (1.0)(0.5) = 150 m³	5 × 60 × (1.0)(0.5) = 150 m³
T-80-13	5 × 18 × (1.5)(0.33) = 45 m³	5 × 18 × (1.5)(0.67) = 90 m³
T-80-14	5 × 65 × 1.0 (0.33) = 107 m³	5 × 65 × (1.0)(0.67) = 218 m³
T-80-15	5 × 40 × (0.5)(0.5) = 50 m³	5 × 40 × (0.5)(0.5) = 50 m³
T-80-16	5 × 25 × (2.0)(0.25) = 63 m³	5 × 25 × (2.0)(0.75) = 188 m³
T-80-17		5 × 15 × 1.0 (1.0) = 75 m³
T-80-18	5 × 70 × (0.6)(0.5) = 105 m³	5 × 70 × (0.6)(0.5) = 105 m³
T-80-19	5 × 15 × 1.0 (0.5) = 38 m³	5 × 15 × 1.0 (0.5) = 38 m³
T-80-20	5 × 30 × (0.8)(0.33) = 40 m³	5 × 30 × (0.8)(0.67) = 80 m³

Sept. 23/80

...G OF TRENCHING FOR ASSESSMENT ...ARC MINING CLAI...
...16 & ARC MINING DISTRICT, Y.T.

ASSESSMENT WORK CONT'D. CLAIMS ARE ...RP. BY

TRENCH NO.	EARTH/GRAVEL/LOOSE MATERIAL @ $1.00 PER YD³	ROCK/FROZEN MATL @ $1.50 PER YD³
T-80-21	5 × 25 × (1.5)(0.25) = 47 m³	5 × 25 × (1.5)(0.75) = 141 m³
T-80-22	5 × 25 × (2.0)(0.9) = 225 m³	5 × 25 × (2.0)(0.1) = 25 m³
T-80-23	5 × 25 × 2.5 (1.0) = 313 m³	
T-80-24	5 × 30 × (1.2)(0.5) = 90 m³	5 × 30 × (1.2)(0.5) = 90 m³
T-80-25	5 × 15 × (1.0)(0.5) = 38 m³	5 × 15 × (1.0)(0.5) = 38 m³
T-80-26	5 × 30 × (1.5)(0.8) = 180 m³	5 × 30 × (1.5)(0.2) = 45 m³
OVER-BURDEN STRIPPED	5 × 105 × (0.33)(2) = 347 m³	
TOTAL # CUBIC YARDS	TOTAL = 2694 m³ 1.31 YD³/M³ × 2694 M³ = 3529 YD³	TOTAL = 2224 m³ 1.31 YD³/M³ × 2224 M³ = 2913 YD³
$ VALUE ($7899 TOT.)	$3529.	$4369.

Sept. 2/80

DATE	DDH. NO.	NQWL FOOTAGE ($21.00/FT.)	CASING FOOTAGE ($22.00/FT.)	MUD OR POLYMER	EXTRA PUMP	DIESEL (DRILL + CAT)	CORE BOXES	MAN HOURS (INCL. TRAVEL TIME) $20.50/HR	DRILL STANDBY (14 $/HR)	CAT RENTAL (DRY LEASE)
AUG. 8,9,10		MOBILIZATION 8500.00 (LUMP SUM)								
AUG. 11								10 (205)	5 (70)	
AUG. 12	F-1		0-25' (550)					54 (1107)	8 (112)	
AUG. 13	F-1	25-114 (1869) 114-204 (1890)		35 BAGS QUICKGEL @ $9 = 315 5 BARRELS HS POLYMER @ $140 = 700 1 BOX QUICKTROLL @ $100 = 100 10 16 XC POLYMER @ $150 = 150		CAT: 220 GALS (220 @ 1.41 = 310) 6 GALS OIL (40) DRILL 13 DAYS @ 35 GAL/DAY @ $1.41 /GAL. = 642		14 (287)	2 (28)	
AUG. 14	F-1 F-2	204-229 (525) 10-145 (2835)	0-10' (220)					2 (41)		
AUG. 15	F-2	145-215 (1470) 215-271 (1176)						2 (41)		
AUG. 16	F-3	12-33 (441) 33-127 (1974)	0-12 (264)		11 DAYS @ 25 $/DAY		65 BOXES @ 6 $/BOX = 390	12 (246)	5 (70)	17 DAYS @ 250 $/DAY = 4250
AUG. 17	F-3	127-134 (147)						1 (20.50)		
AUG. 18	F-3	134-174 (840)						1 (20.50)		
AUG. 19	F-3	174-223 (987)						2 (41)		
AUG. 20	F-3	223-300 (1617) 300-359 (1239)						12 (246)	5 (70)	
AUG. 21	F-4	0-34 (714)	0-12 (264)					16 (328)	13 (182)	
AUG. 22	F-4	34-134 (2100) 134-199 (1155)						2 (41)		
AUG. 23	F-4	199-262 (1323) 262-324 (1302)						2 (41)		
AUG. 24	F-4 F-5	324-434 (2310) 434-444 (210) 0-105 (2205)	0-10' (220)					2 (41)		
TOTAL	8500 MOBIL'N	28,329	1518	1265	275	992	390	2706	532	4250

TOTAL TO AUG. 24 = $48,757.00

Sept. 3/80

BONDAR-CLEGG & COMPANY LTD.

136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 4X1

PHONE: (403) 667-6523
TELEX: 036-8-460

Geochemical Lab Report

OCT 28 1980

FROM: Gemo Industries Ltd

REPORT NUMBER: 40-437

PROJECT: _____

DATE: October 22,1980

SAMPLE NUMBERS	Ag ppm	PB ppm	Zn ppm
F1-A	2.0	24	32
B	2.8	21	40
C	1.7	59	241
D	6.0	8	42
E	1.1	10	47
F	0.8	12	41
F2-A	2.6	46	60
B	1.4	71	42
C	1.4	104	40
D	2.9	161	61
E	3.4	204	79
F	2.1	128	52
F3-A	1.0	67	78
B	1.2	56	80
C	0.9	48	69
D	1.2	66	130
E	0.8	39	62
F	0.6	27	50
F4-A	0.7	34	58
C	0.2	18	48
D	0.4	26	58
F5-A	0.6	25	49
B	1.2	45	59
C	55.0	8340	1878
D	2.2	107	83
E	20.0	679	1884
F	0.9	39	110
E6-A	0.8	36	112
B	0.5	31	91
C	0.6	30	92
D	0.4	24	70
E	0.5	30	81
F	0.6	22	30

[redacted]

N.B. F2-E reads 3.4 for Ag

FOR METHOD, EXTRACTION AND FRACTION USED – SEE ATTACHED

BONDAR-CLEGG & COMPANY LTD.

136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 4X1

PHONE: (403) 667-6523
TELEX: 036-8-460

Geochemical Lab Report

FROM: Bema Industries Ltd

REPORT NUMBER: ~~Nov~~ 40-437

PROJECT: 80-09

DATE: November 10, 1980

SAMPLE NUMBERS	Au ppb
F1 A	L5
B	L5
C	5
D	5
E	L5
F	L5
F2 A	L5
B	L5
C	10
D	L5
E	30
F	L5
F3 A	L5
B	5
C	5
D	5
E	L5
F	5
F4 A	L5
C	L5
D	L5
F5 A	L5
B	5
C	4480
D	20
E	1795
F	40
F6 A	5
B	5
C	5
D	5
E	5
F	L5
[redacted]	

L denotes less than

PAGE NO.: 1 OF 1

CASING COLLAR ELEV.: 1193.2 GROUND ELEV.: 1192.7

COORDINATES: 7091969.3 N 485818.0 E

INCLINATION: -45°N BEARING: 42155

PROJECT: 80-09

DATE STARTED: August 12, 1980

DATE FINISHED: August 14, 1980

TOTAL DEPTH: 229' (69.8m)

HOLE NO. DDH-F-1

REF. TO CLAIM CORNER: WERNEKE #1

SCALE: 1:50

LOGGED BY: G. RODGERS

BEMA INDUSTRIES LTD.

CORE

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SAMPLE NO.	INCHES REC	% REC.	ASSAY Pb	ASSAY Zn	ASSAY Ag	ASSAY Au
(METERS)					ppm	ppm	ppm	ppb
50	51	F1A		100	24	32	2.0	<5
51	52	F1B		100	21	40	2.8	<5
52	53	F1C		100	59	241	1.7	5
53	54	ASSAY # 8854		33	.01 %	.01 %	.07 oz/T	.02 oz/T
54	55	F1D		100	8	42	60	5
55	56	F1E		100	10	47	1.1	<5
56	57	F1F		100	12	41	0.8	<5

SLUDGE

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY

PAGE NO.: 1 OF 1

CASING COLLAR ELEV.: 1193.2 GROUND ELEV.: 1192.7

COORDINATES: 7091969 N 485818.0 E

INCLINATION: -60°N BEARING AZ155

PROJECT: 80-09

DATE STARTED: August 12, 1980

DATE FINISHED: August 15, 1980

TOTAL DEPTH: 271' (82.6m)

HOLE NO.: DDH-F-2

REF. TO CLAIM CORNER: WERNEKE #1

SCALE: 1:50

LOGGED BY: G. RODGERS

BEMA INDUSTRIES LTD.

CORE

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SAMPLE NO.	INCHES REC	% REC.	ASSAY Pb	ASSAY Zn	ASSAY Ag	ASSAY Au
(METERS)					ppm	ppm	ppm	ppb
68	69	F2A		99	46	60	2.6	<5
69	70	F2B		97	71	42	1.4	<5
70	71	F2C		84	104	40	1.4	10
71	72	ASSAY # 12351		88	.23 %	.33 %	0.74 oz/T	0.12 oz/T
72	73	F2D		95	161	61	2.9	<5
73	74	F2E		90	204	79	3.4	30
74	75	F2F		94.5	128	52	2.1	<5
75								

SLUDGE

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY

PAGE NO.: 1 OF 1

CASING COLLAR ELEV.: 1210.4m GROUND ELEV.: 1209.9m

COORDINATES: 7092000.6 N. 485934.6 E.

INCLINATION: -450°N BEARING: 150°

PROJECT: 80-09

DATE STARTED: August 15, 1980

DATE FINISHED: August 19, 1980

TOTAL DEPTH: 359' (109m)

HOLE NO.: DDH-F-3

REF. TO CLAIM CORNER: WERNEKE #1

SCALE: 1:50

LOGGED BY: G. RODGERS

BEMA INDUSTRIES LTD.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Pb	ASSAY Zn	ASSAY Ag	ASSAY Au
(METERS)					ppm	ppm	ppm	ppm
59	60	F3A		92	67	78	1.0	<5
60	61	F3B		87	56	80	1.2	5
61	62	F3C		81	48	69	0.9	5
62	63	ASSAY # 12352		61	.01 %	.01 %	.05 oz/T	0.002 oz/T
63	64	F3D		80	66	130	1.2	5
64	65	F3E		100	39	62	0.8	<5
65	66	F3F		98	27	50	0.9	5
66								

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY

PAGE NO.: 1 OF 1

CASING COLLAR ELEV.: 1182.2 GROUND ELEV.: 1181.7

COORDINATES: 7091906.3 N 485708.4 E

INCLINATION: -45°N BEARING: 151

PROJECT: 80-09

DATE STARTED: August 21, 1980

DATE FINISHED: August 24, 1980

TOTAL DEPTH: 444' (135m)

HOLE NO.: DDH-F-4

REF. TO CLAIM CORNER: WERNEKE #1

SCALE: 1:50

LOGGED BY: M. PHILPOT

BEMA INDUSTRIES LTD.

CORE

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SAMPLE NO.	INCHES REC.	% REC.	ASSAY Pb	ASSAY Zn	ASSAY Ag	ASSAY Au
(METERS)					ppm	ppm	ppm	ppb
97	98.5	F4A		100	34	58	0.7	<5
98.5	102	ASSAY # 12353		23	.01 %	.01 %	0.05 oz/T	0.002 oz/T
102	103	F4C		100	18	48	0.2	<5
103	104	F4D		100	26	48	0.4	<5

SLUDGE

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY

PAGE NO.: 1 OF 1

CASING COLLAR ELEV.: 1189 GROUND ELEV.: 1188

COORDINATES: 7091917.5 N. 485779.7 E.

INCLINATION: -60°N BEARING: 157°

PROJECT: 80-09

DATE STARTED: August 24, 1980

DATE FINISHED: August 26, 1980

TOTAL DEPTH: 474' (144m)

HOLE NO.: DDH-F-5

REF. TO CLAIM CORNER: WERNEKE #1

SCALE: 1:50

LOGGED BY: D. BONNAR

BEMA INDUSTRIES LTD.

CORE

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SAMPLE NO.	INCHES REC.	% REC.	ASSAY Pb	ASSAY Zn	ASSAY Ag	ASSAY Au
(METERS)					ppm	ppm	ppm	ppb
118	119	F5A		95	25	49	0.6	<5
119	120	F5B		95	45	59	1.2	5
120	121	F5C		92	8340	1878	55.0	4480
121	122	ASSAY # 12354		89	0.18 %	3.00 %	0.64 oz/T	0.02 oz/T
122	123	F5D		93	107	83	2.2	20
123	124	F5E		95	679	1884	20.0	1795
124	125	F5F		95	39	110	0.9	40
125								

SLUDGE

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY

PAGE NO.: 1 OF 1

CASING COLLAR ELEV.: 1210.4m GROUND ELEV.: 1209.9m

COORDINATES: 7092000.6 N. 485934.6 E.

INCLINATION: -60°N BEARING: AZ 155

PROJECT: 80-09

DATE STARTED: August 27, 1980

DATE FINISHED: August 28, 1980

TOTAL DEPTH: 355' (108.2m)

HOLE NO.: DDH-F6

REF. TO CLAIM CORNER: WERNEKE #1

SCALE: 1:50

LOGGED BY: G. RODGERS

BEMA INDUSTRIES LTD.

CORE

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SAMPLE NO.	INCHES REC.	% REC.	ASSAY Pb	ASSAY Zn	ASSAY Ag	ASSAY Au
(METERS)					ppm	ppm	ppm	ppb
58	59	F6A		96	36	112	0.8	5
59	60	F6B		79	31	91	0.5	5
60	61	F6C		68	30	92	0.6	5
61	62	ASSAY # 12355		66	.01 %	.04 %	.05 oz/T	.002 oz/T
62	63	F6D		76	24	70	0.4	5
63	64	F6E		86	30	81	0.5	5
64	65	F6F		93	22	30	0.6	<5
65								

SLUDGE

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY

HOLE NO: 80-DDH.F-1
COLLAR ELEV.: 1193.2 GROUND ELEV.: 1192.7
COORDINATES: 7091969.3 N 485815.0 E
INCLINATION: 45° BEARING: AZ 155

PROJECT: 80-09F
DATE STARTED: AUG 12/80
DATE FINISHED: AUG. 14/80
TOTAL DEPTH: 229' (69.8m)

PAGE NO.: 1 OF 9
REF TO CLAIM CORNER: WERNEKE #1
SCALE: 1:50
LOGGED BY: G. RODGERS

BEMA INDUSTRIES LTD.

COMMENTS

AVE CORE REC'Y / HOLE 90%

DESCRIPTIVE GEOLOGY

0-7.62 CASING (OVERBURDEN)
7.62-5.14 OVERBURDEN
314-41.55 GRAPHITIC PHYLLITE (2 CONF. SILICS. INTERBEDS)

(INTERBEDS OF FINE V. [illegible] LIMONITES (0.1-1mm), OCC. [illegible] PYRITE; FOL'N PLANES,

FRACT'S // FOL'N
GOUGE ZONES INDICATE POS. FAULT ACTION (PARA'L BED'G. PLANE FAULTS & SLIPS.

12.2-12.4 V. BLACK (GRAPHITIC)

LOC. SILIC. INTERBEDDING

LOC. MOD. CARBONATE CONCENTRATED.

14.4-14.8 V. BLACK (GRAPHITIC)

SECTION	ALTERATION: SIDERITE	ALTERATION: MANGANESE	ALTERATION: QUARTZ	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
						py	FR LIMONITE; FR. LIMONITE		7.62	15%	NQ WL				
									8.84	5%				
									10.36	20%				
									11.89	100%				
									13.41	92%				
									14.93					

HOLE NO.: 80-DDH-F-1 | PROJECT: | PAGE NO.: 2 OF 9

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: SIDERITE	ALTERATION: MANGANESE	ALTERATION: QUARTZ	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS / DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
15.0							L	15.4-15.6 V. BLACK (GRAPHITIC)			92 %				
							GOUGE	GRAPHITIC [illegible]	R	15.85					
16.0							FR. LIMONITE	FRACT. // FOLN.			94 %				
							65	[illegible]							
17.0							70			17.07					
											89 %				
18.0									DISM	17.98					
									<1%						
19.0							65				100 %	NQ WL			
							FR			19.51					
20.0							70 FR. LIMONITE	21.4-21.6 - BL. (GRAPHITIC)	V		72 %				
								21.65-22.1 (")							
							GOUGE	CRENULATED FOLNS		21.03					
21.0							85								
								22.2-23.5 IRREG. FRACT.			100 %				
22.0							70	22.3-23.5 : CALCITE [illegible]							
							L			22.55					
							FR. LIMONITE & CO_3								

HOLE NO.: 80-DDH-F-1 | PROJECT: | PAGE NO.: 3 OF 9

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

AVE CORE REC'Y / HOLE

COMMENTS

DESCRIPTIVE GEOLOGY

SECTION | ALTERATION (CHLORITE, SERICITE, SILICIFICATION, CARBONATE) | FRACTURING | MINERAL | GEOLOGY | % SULPHIDES | DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SAMPLE INTERVAL | % REC'Y. SAMP. INT. | ESTIMATED

23.0

FR. LIMONITE & CO_3

GRAPHITIC PHYLLITE & VARVE LIKE INTERBEDS OF CO_3 & SILICATE; MINOR CONTORTIONS, CRENULATIONS & FOLDING WITHIN SOME INTERBEDS.

100 %

24.0

Py

80 M L

24.08

Py 1%

24.65-24.7 BAR LENSE (INTERCALATED)

25.0-25.6 Sph. DISSEM. OVERPRINT BELOW FRACT.

Py MOSTLY FOUND IN GRAPHITIC INTERBEDS

100 %

25.0

TR. Py Sph

FR. LIMONITE & CALCITE

Sph 3%

25.8

26.0

100 %

Py

BAR

M H M

Py 1%

27.0

L

27.13

Py 1%

28.1-28.2 QZ. CALCITE LENSE

29.2-29.25 " "

100 %

28.0

BAR

L M

Py

L M

Py 2%

28.65

29.0

70 L

L M. BAR L

100 %

Py

Py 1%

30.0

30.05- V. Black Graphitic

30.17

HOLE NO.: 80-DDH-F-1 | PROJECT: | PAGE NO.: 4 OF 9

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N E | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

AVE CORE REC'Y / HOLE

COMMENTS

DESCRIPTIVE GEOLOGY

SECTION	ALTERATION: SIDERITE	ALTERATION: MANGANESE	ALTERATION: QUARTZ	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
30						Py	SL. GOUGEY	30.9 – Py. CUBES 1mm SIZE. 30.8 – " V. SLIGHTLY GRAPHITIC	Py 1-2%						
31							80	GRAPHITIC PHYLLITE – MORE GRAPHITIC & LESS LIMEY THAN PREVIOUS. FRACT.S // FOL'N			100%				
							75	Py IS DISSEMINATED & USUALLY LOCALIZED ON PLANES // FOL'N COARSER XL SIZE BELOW 36.5; LOC'Y 1-3%		31.70					
32							60				95%				
							55			33.22					
33						Py	BQZ		Dis'd. Py 1-3%		100%	NQWL			
							70								
34							75	possibly composition layering		34.75					
35							70				95%				
							B.QZ								
36							B.QZ.			36.27					
							70				100%				
37							L F36		V						

HOLE NO.: 80-DDH-F-1 | PROJECT: | PAGE NO.: 5 OF 9

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

COMMENTS

AVE CORE REC'Y / HOLE

DESCRIPTIVE GEOLOGY

SECTION	ALTERATION: SIDERITE	ALTERATION: MANGANESE	ALTERATION: QUARTZ	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
38							65	GRAPHITIC PHYLLITE CONT'D. (MORE GRAPHITIC & LESS SILIC. & CLAYEY THAN FIRST 80') FELD. IS 1 FOOT QUARTZ LENSES.		37.79					
							70				100 %				
39						Py		Py IS DISS'D & LOCALIZED @ EDGES OF SILIC INTERBEDS		39.32					
							80	39.3-39.5 : Py Loc. 4% CG.							
								Gouge & Mylonitized Qz	Dis'd Py 1-3%		95 %				
40							65			40.84					
41							55	42.0 — 42.5 ; Mod. Fracturing			100 %	NQWL			
42							65			42.37					
							70								
						Py	60		Py 1%		93 %				
43							Qtz			43.89					
							65								
44											93 %				
							Qtz								
45							65								

HOLE NO.: 80-DDH-F-1 | PROJECT: | PAGE NO.: 6 OF 9

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N E | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

AVE CORE REC'Y / HOLE

COMMENTS

DESCRIPTIVE GEOLOGY

SECTION	ALTERATION (Silicification, Muscovite, Pyrite, Chlorite)	FRACTURING	MINERAL	GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
45			Py	65	Py 1%	45.41	93 %	NQWL			
46					Py loc. 1%		100 %				
47				70°		46.54					
48				80 CONTACT IS SHARP & CONFORMABLE			92 %				
				FR. 60 Fol^n L		48.46					
49				60 FR.			100 %				
			L	L CALCITE & LIMONITE ON FRACT.		49.96					
50				50 FR 70 Fol^n.			100 %				
51						51.51					
52				65 Fol^n 60 FR.			100 %				

41.55 – 57.0 GREEN STONE

VFG–MG. ↑ GRAIN SIZE & OVERALL TEXTURE VARIES; APPEARS TO BE SL. BLEACHED NEAR FAULT; OCC. UNITS +/- 1.0m OF DIORITIC TEXTURE WITH CHLORITE INCLUSIONS ALTERING TO CLAY OR SERICITE IN THE VICINITY OF THE FAULT. INCLUSIONS ARE STRETCHED & BOUDINAGE.

OCC. Py ENRICHMENT // FOL^N

Fol^N = POS. BED^G

49.9 POS. FLAME STRUCTURE (RIP UP CLASTS?)

OCC. SILIC. 'LENSES'

LIMEY SECTIONS

HOLE NO.: 80-DDH-F-1 | PROJECT: | PAGE NO.: 7 OF 9

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

ALTERATION: SIDERITE | MANGANESE | QUARTZ | CHLORITE | FRACTURING | MINERAL | GEOLOGY | SECTION

COMMENTS

DESCRIPTIVE GEOLOGY

AVE CORE REC'Y / HOLE

% SULPHIDES | DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SAMPLE INTERVAL | % REC'Y. SAMP. INT. | ESTIMATED

52.85 - 5M. Qz/CO3 VEIN ± SPHAL IN FILLING.
53.1 - 53.45 FAULT ZONE

Py TR
SPHAL
53.03
Py 2%
TR Pbs
53.55
57.47
56.99
57.91
59.43

100 %
33 %
100 %
100 %
81 %
95 %

NQ WL

57.70 GRANITIC PEGMATITE
(SUCCEOUS & ARGILLACEOUS) MORE SHATTERED THAN OTHER PEGMATITE, CO3 & SILICATE INFILLINGS ARE THICKER (10 - 12cm), BETA AND NOT CONNECTED TO SURFACE PEGMATITE.
BETA = 30°

NOT SEEN

HOLE NO.: 80-DDH-F-1 | PROJECT: | PAGE NO.: 8 OF 9

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N E | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

AVE CORE REC'Y / HOLE

COMMENTS

DESCRIPTIVE GEOLOGY

SECTION	ALTERATION: SILICATE	ALTERATION: MAGNESIUM	ALTERATION: QUARTZ	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
59							55F			100 %				
							60F							
60									60.65					
							65F			95 %				
61														
							60F	Py TR-1 %	62.18					
62										93 %				
							70F				NQWL			
63									63.70					
							65F			100 %				
64							BLOCK							
							70F		65.22					
65										95 %				
							60F							
66									10.75					
67							70F							

Core consists of graphitic phyllite (GAP), siliceous & argillaceous by 1% disseminated pyrite found in bedding interfaces. (Cgp); 1% also disseminated (F.S)

Bore losses (water bedding) increase

HOLE NO.: 80-DDH-F-1 | PROJECT: | PAGE NO.: 9 OF 9

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

SECTION	ALTERATION: SIDERITE	ALTERATION: HYDROUS SERICITE	ALTERATION: QUARTZ	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
67												100 %				
68						Py	TSP BQZ	Py IS LOCALLY ON BED SET INTERFACES PHYLLITE, (SAP.) BECOMING MORE GRAPHITIC WITH DEPTH, CO_3 & SILICATE INTERBEDS ALSO BECOME MORE LENTICULAR; CALCULATIONS INCR. (IE SAME AS UPPER PHYLLITE)		Py TR-1%	58.27	98 %					
69							BQZ BQF	END OF HOLE		V	69.80		NQWL			
70																

HOLE NO.: 80-BDH-F-2 | PROJECT: 80-09 | PAGE NO.: 1 OF 11

COLLAR ELEV.: 1193.2 | GROUND ELEV.: 1192.7 | DATE STARTED: AUG. 12 80 | REF. TO CLAIM CORNER: WERNICKE #1

COORDINATES: 7091969 N 485818.0 E | DATE FINISHED: AUG. 15 80 | SCALE: 1:50

INCLINATION: 60° | BEARING: AZ 155 | TOTAL DEPTH: 82.6 METRES (271') | LOGGED BY: G. POLIERS

BEMA INDUSTRIES LTD.

AVE CORE REC'Y / HOLE: 90%

COMMENTS

DESCRIPTIVE GEOLOGY

- OXIDIZED FINE TO COARSE (LIMONITE, MALACHITE) ROCK RECOVERY
- 0 - 45.35 GRAPHITIC ARGILLITE
- WITH SILICIFIED INTERBEDS & OCC. RED LENSES & BLEBS; LOC. SLIPPAGE & CONTORTIONS. VERY SILICIFIED LAMINAE ALTERNATES AS LARGER UNITS TO 1m, WITH DARKER GRAPHITIC UNITS (20 cm) FOLN = BEDDING; Py 1% EQUIV. & ALSO DISSEMINATED LIMONITE. ENS MOST FRACTS

SECTION	ALTERATION (VARIATE, LEACHED, QUARTZ, CARBONATE)	FRACTURING	MINERAL	GEOLOGY	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
3.5				WEATHERED ARG.	1	3.46					
4.0						3.96	25				
				LIMONITIC SHEARS			50				
5.0						4.88					
						5.49	25				
6.0						6.10	63				
						7.01	67				
7.0							57	NQWL			
8.0					FR Py	8.23					
							100				
9.0				30F		9.14					
				25FR. Py LIMONITE ON FRACTS							
10.0				65F			100				
						10.97					
11.0			Py				98				

HOLE NO.: 80-1241-F-2 | PROJECT: | PAGE NO.: 2 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N E | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

COMMENTS

AVE CORE REC'Y / HOLE

DESCRIPTIVE GEOLOGY

SECTION	ALTERATION: SERICITE	ALTERATION: CHLORITE	ALTERATION: SILICIFICATION	ALTERATION: CARBONATE	FRACTURING	MINERAL	GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
11.0							75F							
12.2						PY	80F		12.19	98				
							L			90				
							OF		15.22					
14.9							25 TR 80F			37				
15.8							LIMONITE	TR PY	15.24		NQWL			
16.9							75F			100				
							70F		16.76					
17.9						TR. PY				100				
18.9							L		18.29					
							80F							

GRAPHIC PYRRHOTITE (SAB) COMPACT BEDDING (SAB) (SAME AS ABOVE AS PREVIOUS), PY DISSEMINATED 3-10% FOR PYRITE

HOLE NO.: 80-DDH-F-2 | PROJECT: | PAGE NO.: 3 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

COMMENTS

AVE CORE REC'Y / HOLE

DESCRIPTIVE GEOLOGY

SECTION	ALTERATION: SIDERITE	ALTERATION: MANGANESE	ALTERATION: QUARTZ	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
18.5							70F	TR Py						
19.0					W	Py	V. BLACK (CARBONACEOUS & GRAPHITIC; SL. GOUGEY) L	Py 1/2		100				
20.0							75F	Py 3%	19.81					
21.0							65FR	Py 1%		100				
							80F		21.33					
22.0							L	TR Py		100				
							L		22.86					
23.0							70F							
							QZ & CO3 LOCALLY MINOR CHL. FLD. L			100				
24.0						TR. Py			24.38					
							80F							
							15FR							
25.0										100				
							L	Py 1%						
26.0							75F		25.91					

GRAPHITIC & PHYLLITE (SAM)
19.2-19.3 : MORE GRAPHITIC (HOST?, BLACK SUR[illegible]
SECONDARY [illegible] PASSED; COMPETE FRACTURES
(SAM) OCC'Y. LIMEY.

NQ WL

HOLE NO.: 80-TTH-F-2 | PROJECT: | PAGE NO.: 4 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

COMMENTS

DESCRIPTIVE GEOLOGY

SECTION	ALTERATION: SERICITE	ALTERATION: MINERALIZATION	ALTERATION: QUARTZ	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
26.0							L				93				
27.0							70F			27.43					
							L								
							L								
						Py	70F								
							K02 FEW ZIRN INCLUSIONS		12Py 2Py		100				
							K02			28.96					
29.0							70F BLACK (GRAPHITIC)								
							BLACK (GRAPHITIC)		1Py		95				
						Py	75F		2Py						
									3Py	30.48					
							VOLCANIC (GRAPHITIC)								
31.0							75F				100				
									1Py						
32.0						Py	60F V. BLACK (GRAPHITIC)			33.0					
									2Py						
									1Py		83				
							80F								
							K02			33.53					

GRAPHITIC ARGILLITE (SAP.)
V. [illegible] Py [illegible]
By Assay 12 FOOT is Non Mineralized / Fault
@ Bedded Mineralization
CCC. 230. Contact 6 Bedded

HOLE NO.: 80-177-T-2 | PROJECT: | PAGE NO.: 5 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N E | DATE FINISHED: | SCALE:

INCLINATION | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

COMMENTS

AVE CORE REC'Y / HOLE

DESCRIPTIVE GEOLOGY

SECTION	ALTERATION: SERICITE	ALTERATION: CHLORITE	ALTERATION: QUARTZ	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
34.0							70F	GRANITIC PAHLITE (SAP) LESS SHEAR THAN PREVIOUS, ALSO LESS FI			100				
							75F								
							30FR	FRAG Loc'l // FRACT.							
							70F				97				
							80F				100				
38.0							75F								
							60F				85				
41.0							75F				100				

HOLE NO.: 80-DDH-F-2 | PROJECT: | PAGE NO.: 6 OF 11

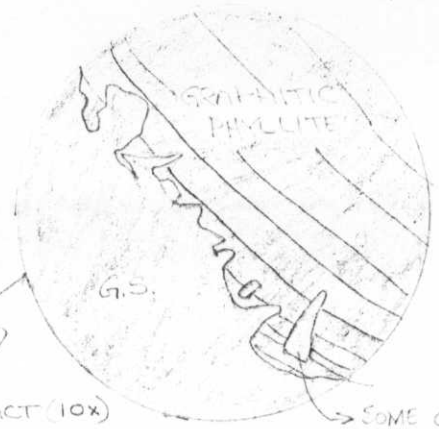
COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

SECTION	ALTERATION: SERICITE	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
42.0					95F					97	NQWL			
					80F				42.67					
					20°FR + MINOR CALCITE									
43.0					65F					100				
					70F				44.19					
44.0								P@1%						
45.0					75F					100				
					80				45.72					
46.0					80F					98				
					70F				47.24					
47.0					10° CALCITE & TALC (0.6cm INFILLING)					98				
					15FR + MINOR CALCITE									



45.35 - 58.35 GREEN STONE
FG-MG; MASSIVE UNIFORM TEXTURE; DK. GREEN GRAINS WITH A LEUCOCRATIC MATRIX (CLAY, FELDSPAR, CHLORITE, QUARTZ)
MASSIVE; FOLIATION IS NOT OBVIOUS

FOLN = 10°, BEDDING

46.7 - 47.1 : SM FAULT (HW. HAS DROPPED 0.5 cm REL. TO FW)

47.4 - 48.4 FG. BLEACHED GS.

HOLE NO.: 80-DDH-1-2 | PROJECT: | PAGE NO.: 7 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

SECTION	ALTERATION: SERICITE	ALTERATION: MANGANESE	ALTERATION: QUARTZ	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
50								LIMESTONE (SAP)			48.77	95				
								10° FR. MINOR CALCITE				100				
											50.29					
								70° FR. FOLIATION?				97				
								5° FR			51.81		NQWL			
								20° FR.				100				
											53.34					
								60° F				95				
											55.16					
								75 F				100				
60																

HOLE NO.: 80-DDH-F-2 | PROJECT: | PAGE NO.: 8 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

SECTION	ALTERATION: SERICITE	ALTERATION: MANGANESE	ALTERATION: QUARTZ	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
58							75F	GRANITIC ANALYSIS			56.39	100	NQWL			
58.5							70F	58.38-59.0 GRANITIC ANALYSIS MORE COMPETENT THAN UPPER ANALYSIS, SLIGHTLY GRANITIC, CCC. SILICA, LOWER 30 DEGS.			57.91	95				
59							70F CONTACT									
59.5							85°F 8.92				59.43	100				
							75F				60.96	100				
60.5							75F									
							70F				62.56	100				
62							80F									
62.5							75F					97				
63																

HOLE NO.: 80-UDH-F-2 | PROJECT: | PAGE NO.: 9 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

SECTION	ALTERATION: SERICITE	ALTERATION: MANGANESE	ALTERATION: QUARTZ	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
63.0							80F	GRANITE FAULTED (SH)			64.00	97				
64.0								Mod. contorted fine grained Mafic Dyke								
								Fab. dec. at 10° to CA. Rusty fracture								
								in both Granite & Dyke. dec. sluc. Fractures								
65.8							K.O.C. 70F	Limey weathered.			63.53	100				
							F@?									
							70F					88				
							75F				57.05					
							45° Bdz VEIN									
							70F					100				
											68.58					
							70F					97				
							L				70.10					
												83				
71.9							75F									

VGWL

HOLE NO.: 80-LDH-F-2 | PROJECT: | PAGE NO.: 10 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

COMMENTS

DESCRIPTIVE GEOLOGY

SECTION	ALTERATION: SERICITE	ALTERATION: MANGANESE	ALTERATION: QUARTZ	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
71.0							40° SHEAR PLANE BRZ (VEIN FAULT) 71.6 GOUGE (LIMONITE & GRANITE) 5F FR 15F			2%	71.32	83				
72.0											71.62	79				
												98				
											72.51					
73.0												90				
74.0							74F BQZ				74.06					
75.0							80F					95	NQWL			
											75.59					
76.0							8.0Z 75F					93				
77.0							80F				77.11					
78.0							70F					100				

HOLE NO.: B3-DL4-F-2 | PROJECT: | PAGE NO.: 11 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N E | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

AVE CORE REC'Y / HOLE

COMMENTS

DESCRIPTIVE GEOLOGY

SECTION	ALTERATION: SERICITE	ALTERATION: MANGANESE	ALTERATION: QUARTZ	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
78.5									78.63					
79.0							60			93				
							BOF		80.16					
							EOF		81.07	83	NQ WL			
							70			97				

END OF HOLE

HOLE NO.: DDH-F-83
COLLAR ELEV.: 1210.4m GROUND ELEV.: 1209.9m
COORDINATES: 7092000.6 N 485934.6 E
INCLINATION: -45° BEARING: 150°

PROJECT: [illegible]
DATE STARTED: AUG. 17TH
DATE FINISHED: AUG. 19TH
TOTAL DEPTH: 359' (109 m)

PAGE NO.: 1 OF 15
REF. TO CLAIM CORNER: [illegible]
SCALE: 1:50
LOGGED BY: G. ROGERS

BEMA INDUSTRIES LTD.

AVE CORE REC'Y / HOLE: 94%

COMMENTS

DESCRIPTIVE GEOLOGY

0-3.66 CASING (OVERBURDEN)

3.66 - 8.20 GREENSTONE

(GREYWACKE CHARACTER, L.G.S. CLASTS, V. STRETCHED (1:4), ROCK BEDDING // FOL'N)

CONTACT GRADATIONAL OVER 15 CM (COMPOSITE INTERBEDS)

8.2 - 10.0 GRAPHITIC PHYLLITE

COMPETENT (V. FINE GRN) & ARGILLACEOUS, TR. Po @ GEA. CONTACT.

CONTACT GRADATIONAL OVER 10 CM, [illegible] - COARSE GRAINED, [illegible]

10.0 - 13.0 [illegible]

GREYWACKE (SAP), WITH [illegible] CLASTS, STRETCHED (1:4) [illegible] ROCK BEDDING // FOL'N

[illegible] OF PHYLLITE OR 2ND [illegible]

SECTION	ALTERATION: SIDERITE	ALTERATION: VARIOUS	ALTERATION: QUARTZ	ALTERATION: CALCITE	FRACTURING	MINERAL	GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
3.0							60F		3.66		NQ WL			
4.0							20FR BQZ		4.57	94				
5.0							75F		5.79	100				
6.0							65F		7.01	98				
7.0							75F							
8.0						TR Po	70F 70		8.53	100				
9.0							60F			100				
10.0						Po	75F 75		10.06					

HOLE NO.: DDH-F-3 | PROJECT: | PAGE NO.: 2 OF 15

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

AVE CORE REC'Y / HOLE

SECTION	ALTERATION (SIDERITE / ANKERITE / QUARTZ / CHLORITE)	FRACTURING	MINERAL	GEOLOGY	COMMENTS / DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
10.5				60F	GREYWACKE (CONT'D).							
11.0				25°FR				100				
				70F			11.58					
12.0					13.0 – 18.85 ARGILLITE DEPTH (V. SILIC. GRAPHITIC ARENACEOUS ARGILLITE) THIN BEDDED,			98				
13.0				65F			13.11					
			TR. Po	60F		TR. Po		99	NQ WL			
14.0							14.93					
15.0				L 75F				100				
16.0				L 70F			16.46					
17.0			TR. Po	70F L		V		98				
					17.7 – 18 = GRAPH^{IC} (V. BRECC.)	Py 1%	17.90					
18.0				65F								

HOLE NO.: DH-T-3 | PROJECT: | PAGE NO.: 3 OF 15

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N E | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

ALTERATION: SIDERITE, MANGANESE, QUARTZ, CHLORITE | FRACTURING | MINERAL | GEOLOGY | SECTION | COMMENTS | AVE CORE REC'Y / HOLE | % SULPHIDES | DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SAMPLE INTERVAL | % REC'Y. SAMP. INT. | ESTIMATED

DESCRIPTIVE GEOLOGY

18.0
19.0
20.0
21.0
22.0
23.0
24.0
25.0

70
BAF
70 SHEAR CONTACT
L
80F
QZ
20FR
80F
QZ
80F
20FR
QZ
30FR
70F

13.35 - 20.3 GREENSTONE

FG - M.G. ± MILLED: DK. GRAINS & MATRIX, TR. FOLIA VS.; QZ/FELDSPAR MATRIX & CALCITE STRINGERS, SCC. SZ., BLEBS & LENSES; FG. CLASTS, UNIFORM GRAIN SIZE (DIORITIC TEXTURE)

21.2 - FOL. BCD. (DEFORMED)

26.0 - BRN. CLAY (SERICITE) CLASTS

DRILLING INTERVAL	% CORE RECOVERED
19.51	100
21.05	100
22.53	95
24.08	94
25.60	100

CORE SIZE: NQ WL

HOLE NO.: 84-F3 | PROJECT: | PAGE NO.: 4 OF 15

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

SECTION	ALTERATION: SIDERITE	ALTERATION: WHITE MICA	ALTERATION: QUARTZ	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
25.5											25.60					
26.0							L 80F 25FR L 15FR. 30F 80F L 80F	GREENSTONE (SAP.)		TR		96				
27.0										TR	27.13					
28.0										TR		100				
29.0							90F 10FR 60F	SHARP CONTACT (CONFORMABLE)		TR, PO	29.65	95				
30.0							80F 70F 80F 70F	29.3 - 07.45 GRANITIC FELSITE 5 LOC. SILIC. ROCKETS, Po OVERALL DISSEM., FILMY FRACTURE		1	30.17					
31.0							L 70F			Py 1%	31.70	100				
32.0							70F L					100				

HOLE NO.: DDH-F-3 | PROJECT: | PAGE NO.: 5 OF 15

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N E | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

COMMENTS

DESCRIPTIVE GEOLOGY

SECTION	ALTERATION: SIDERITE	ALTERATION: WHITE MICA	ALTERATION: QUARTZ	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
33.0							65F L	GRAPHITIC PHYLLITE (SAND			33.22					
34.0							70F L					100				
							L 80F				34.75					
35.0												96				
							75F									
36.0							85FR GOUGE				36.27					
							V. BLACK GOUGE 70F					69				
37.0											37.2					
							75F									
38.0							80Z					99				
							75F M									
39.0							BXZ									
							L				39.32					
							70F					100				
40.0																
							70F									

HOLE NO.: DDH-F-3 | PROJECT: | PAGE NO.: 6 OF 15

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

SECTION	ALTERATION (SERICITE, HEMATITE, QUARTZ, CHLORITE)	FRACTURING	MINERAL	GEOLOGY	COMMENTS	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
40.5				0°FR	DESCRIPTIVE GEOLOGY			40.87					
41.0				70F	GRANITIC PEGMATITE (SAP.)				88				
42.0				75F	LARGER [illegible] BEDS : V. THIN TO THIN BEDDED --- TO 1.5 cm.			42.4					
43.0				70F					100				
44.0				75F				43.9					
45.0				P.W2 70F			TR - 1% (CPY, PO)		98				
46.0				P.W2				45.4					
47.0				75F			TR-1%		100				
48.0				50F P.W2 50F P.W2 75F	47.3 - 48.3 : MAS. PYR. AS LENSES OR SMALL VEINS			46.9	88				

NQWL

HOLE NO.: DCH-F-3
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: BEARING:

PROJECT:
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

REF. TO CLAIM CORNER:
SCALE:
LOGGED BY:

BEMA INDUSTRIES LTD.

COMMENTS 53-54.6 : MISLATCH

AVE CORE REC'Y / HOLE

DESCRIPTIVE GEOLOGY

GRAPHITIC PHYLLITE (SAP.)
COMPOSITE BEDS, THIN - V. THIN BEDDED

TR - 1% Py

NOVIL

SECTION	ALTERATION: CHLORITE	ALTERATION: QUARTZ	ALTERATION: MARIPOSITE	ALTERATION: BIOTITE	FRACTURING	MINERAL	GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
48.0							60F	1	48.5					
							60F			92				
49.0							70F							
									50.0					
50.0							70F							
										100				
51.0							70F		51.5					
						TR - 1% Py		TR - 1% Py						
52.0										100				
							70F		53.0					
53.0							L							
										40				
54.0							L		54.6					
							70F			79				

HOLE NO.: D91-F-3 | PROJECT: | PAGE NO.: 8 OF 15

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

AVE CORE REC'Y / HOLE

COMMENTS

DESCRIPTIVE GEOLOGY

SECTION	ALTERATION (SERICITE / SILICIFICATION / QUARTZ / CHLORITE)	FRACTURING	MINERAL	GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
55.8						55.8					
56.0				GSF			97				
57.0				GSF		57.3					
58.0				GSF			100				
59.0				B.QZ		58.8					
60.0				GSF		60.4	92				
61.0				GSF			63				
62.0				B.QZ. GRAPHITIC GOUGE Mineralized QZ		61.9	61				
63											

GRAPHITIC PHYLLITE (SAP.)

42' V.F. DISSEMINATED

DCC. COARSE

61.0 - FAULT ZONE (FOOTWALL SIDE OF MINERALIZED FAULT)

HOLE NO.: DDH-1-3 | PROJECT: | PAGE NO.: 9 OF 15

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

AVE CORE REC'Y / HOLE

COMMENTS

DESCRIPTIVE GEOLOGY

SECTION	ALTERATION: SERICITE	ALTERATION: MANGANESE	ALTERATION: CHLORITE	ALTERATION: CARBONATE	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
63.0							V. BLACK (GRAPHITIC) SOUBE 60F	GRAPHITIC PHYLLITE (SAP.)		63.40					
64.0							70F	FOL'N = POS. BEDDING			100				
							B.GR.			64.82					
65.0							80F				98				
66.0						TR. PY				66.44		NQWL			
67.0							75F 75	67.45-95.9 GREENSTONE			100				
								67.45-71.3 : MED. CG, GRAINS MOTTLED GY/GRN & WHITE		67.97					
68.0							10°FR 70F L				78				
69.0										69.80					
70.0							5°FR 76F L				97				

HOLE NO.: DDH-F-3 | PROJECT: | PAGE NO.: 10 OF 15

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N E | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

SECTION	ALTERATION: SERICITE	ALTERATION: VEINLETS	ALTERATION: SILICIFIED	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
70.5							65F	GRANITONE								
71.0								71.3 - 75.0 GS. IS FG. / POS. BEDDING			71.32					
								75.0 - 79.0 MOSTLY MG								
								79.0 - 83.0 MOSTLY FG.				96				
72.0							75F	83.0 - MG/CG (84.5 : V.CG.) GS.								
							40FR				72.84					
73.0							75F									
												100				
74.0							75F				74.37					
75.0							25°FR					94				
							70F									
							0°FR.				75.89					
76.0							L									
							H									
							L									
							60F									
							0°FR.					100				
77.0																
											77.42					
							65F									
78.0																

NQWL

HOLE NO.: DDH-F-3 | PROJECT: | PAGE NO.: 11 OF 15

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

SECTION	ALTERATION: SERICITE	ALTERATION: MANGANESE	ALTERATION: QUARTZ	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
78.0							BFR	GREENSTONE (SAP.)			78.94	95	NQWL			
79.0							65F									
80.0							75F				80.46	100				
81.0							70F									
82.0							L 70F				81.99	92				
83.0							L 75F				83.51	100				
84.0												78				
85.0							70F				86.04					

HOLE NO.: DDH-F-3 | PROJECT: | PAGE NO.: 12 OF 15

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

COMMENTS

DESCRIPTIVE GEOLOGY

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: SERICITE	ALTERATION: MANGANESE	ALTERATION: QUARTZ	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
85.5							60F 85 POS. BEDDING							
86.0										91				
									86.56					
87.0							65F			94				
									88.08					
88.0														
							55F 80 POS. BEDDING			100	NQWL			
89.0									89.61					
90.0							60F 85 POS. BEDDING			92				
91.0							5°FR		91.44					
92.0										97				
									92.96					
93.0														

GREENSTONE (SAP.)

FOLN ≠ BEDG, S-MG, MONOLITHIC,

HOLE NO.: DDH-F-3 | PROJECT: | PAGE NO.: 13 OF 15

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

ALTERATION: SERICITE, VEINLETS, QUARTZ, CHLORITE | FRACTURING | MINERAL | GEOLOGY | COMMENTS | AVE CORE REC'Y / HOLE

DESCRIPTIVE GEOLOGY

SECTION	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
93.0							
94.0		94.18	100				
95.0		95.70	100				
96.0							
97.0		97.23	92				
98.0		98.75	97				
99.0							
100.0		100.27	92				

45F

70F & FOS. BEDDING

45°

45F

55F

50F

60F

40F

Q°

GREENSTONE (SAP.)

95.9 - 102.5 GY. THIN BEDDED QUARTZITE

SL. PHYLLITIC, FOL'N = BEDDING

T.A. 0°

NQWL

HOLE NO.: DDH-F-3 | PROJECT: | PAGE NO.: 14 OF 15

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

SECTION	ALTERATION: SERICITE	ALTERATION: MINGANESE	ALTERATION: QUARTZ	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
100.5							45F	QZITE (SAP.)								
101.0											101.49	85				
								CONTACT ARBITRARY								
							50F	102.5- GRAPHITIC PHYLLITE (SILIC.) LOC.								
102.0							45	THIN BED'S & THICKER COMPOSITE BEDDED (THIN GRAPHITIC INTERBEDS)				95				
103.0							45F				103.02					
							55F					100	NO W/L			
104.0											104.59					
							55F					97				
105.0										TR Po 1						
							60F			Py: TR-1%	106.67					
106.0												88				
							60F									
107.0							0 Tx	(SELENITE CRYSTALS IN FRACTURES)								
							25 Tx				107.59					
							70F					83				

HOLE NO.: DDH-F-3 | PROJECT: | PAGE NO.: 15 OF 15

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

SECTION	ALTERATION: SERICITE	ALTERATION: MINERALIZATION	ALTERATION: QUARTZ	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
108							SOF			1% TR. PY	108.2					
						1%						83				
109							SOF	END OF HOLE			109.42					
110																

HOLE NO.: 80-09-E-4
COLLAR ELEV.: 1182.2 GROUND ELEV.: 1181.7
COORDINATES: 7091906.3 N. 485708.4 E.
INCLINATION: -45° BEARING: 151°

PROJECT: 80-09
DATE STARTED: AUGUST 21, 1980
DATE FINISHED: AUGUST 24, 1980
TOTAL DEPTH: 444' (135.3m)

PAGE NO.: 1 OF 18
REF. TO CLAIM CORNER: WERNERE #1
SCALE: 1:50
LOGGED BY: M. PHILPOT

BEMA INDUSTRIES LTD.

ALTERATION: CARBONATE, QUARTZ, CHLORITE
FRACTURING
MINERAL
GEOLOGY
SECTION

COMMENTS

AVE CORE REC'Y / HOLE

DESCRIPTIVE GEOLOGY

% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
	3.7					
	4.3	100				
		81				
	5.8					
		100				
	7.3					
		100				
	8.8					
		100				
	10.4					

0 - 3.7 OVERBURDEN (CASING)

3.7 - LIMESTONE - undefined

3.7 - 10.3 Fine - medium grained, weakly to moderately foliated feldspars in a chlorite rich matrix. Fractures generally filled by white carbonate & chlorite. Quartz occurs as blebs & as veins less than 3 cm. Wisps of chlorite occur // to foliation and at discordant angles. Section from 7.3 - 7.7, 9.1 - 9.4 contains coarse [illegible] chlorite. Trace of py throughout also [illegible]

45 Fr
45 Fr 60 F
30 Fr
qz blebs with chl selvage
70 Fr
45 Fr 65 F
25 Fr
25 Fr
75 Fr
60 Fr with chl selvage
5 Fr
35 Fr's
45 Fr 55 F
30 Fr

HOLE NO.:
COLLAR ELEV.,: GROUND ELEV.,:
COORDINATES: N. E.
INCLINATION: BEARING:

PROJECT:
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

REF. TO CLAIM CORNER:
SCALE:
LOGGED BY:

BEMA INDUSTRIES LTD.

SECTION	ALTERATION: CARBONATE	ALTERATION: QUARTZ	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS	DESCRIPTIVE GEOLOGY
11.0						5 Fr		GREENSTONE cont' (undefined)
						45 Fr		10.3 – 16.8 Medium grain, weakly foliated feldspar porphyritic intrusive ? a moderately chloritic and weakly-moderately siliceous matrix. Different from section 3.7 - 10.3 in grain size and lighter green color.
12.0						5 Fr		
						5-10 Fr 60 F		
13.0								
						5 Fr		
14.0						5 Fr		
						45 Fr graphitic parting		
						30 Fr		
15.0								
						50 F		
16.0								
						45 Fr's		
17.0								
						60 F		

AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
		11.9	100				
		13.4	100				
		14.9	95				
		16.5	100				
		18.0	95				

HOLE NO.: | PROJECT: | PAGE NO.: 3 OF 18

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

ALTERATION: CARBONATE, QUARTZ, CHLORITE | FRACTURING | MINERAL | GEOLOGY | COMMENTS | AVE CORE REC'Y / HOLE

DESCRIPTIVE GEOLOGY

SECTION	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
180							
190		19.5	100				
200		21.0	90				
210							
220		22.6	88				
230		24.1	100				
240							
250		25.6	100				

10 Fr

Fault zone - broken calcite vein, ball quartz and minor red oxide

30 Fr's 65 F

10 Fr

45 Fr

Fault zone - sheared grnst & ball quartz and minor calcite

10 Fr = 1cm thick

30 Fr 55 F

45

65 F

GREENSTONE cont' (undefined)

18.8 - 20.2 fine grained, weakly foliated feldspars [illegible] with green chlorite matrix. Resembling a fine grained sediment. Texture & mineralogy relatively homogeneous

20.2 - 24.4 moderate to strong pervasive chlorite fragments & fine stringers of feldspar (Calcite) & clay in a green chlorite matrix

24.4 Clear lithological break between overlying grnst and underlying siliceous phyllite. Contact irregular and not a sharp planar feature

24.4 - 28.8 SILICEOUS PHYLLITE (FINE GRAINED)

Fine grained matrix. Bedding appears ∥ to foliation. Thin graphitic interbeds often reflected by broken core ∥ to foliation. Siliceous sweats ∥ & cross cutting foliation. Colour bands (grey - dark grey) vary due to % of graphite, hardness varies with % of silica in interbeds - light layers harder

HOLE NO.:
COLLAR ELEV.,: GROUND ELEV.,:
COORDINATES: N. E.
INCLINATION: BEARING:

PROJECT:
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

REF. TO CLAIM CORNER:
SCALE:
LOGGED BY:

BEMA INDUSTRIES LTD.

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: CARBONATE	ALTERATION: QUARTZ	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
26.0							75 F	28.8 - 35.0 SILICEOUS PHYLLITE (MED GRAINED) Thin siliceous layers (light grey – white) included / interbedded with thin layers of argillaceous and graphitic material. 29.7 - 30.0 larger lenses of quartz included with graphitic wisps 31.2 - 31.3 " " ~31.2 thin bed ~ 2cm of siliceous phyllite with foliation // to bedding			95					
27.0					Tr Py		5 Fr Py associated with graphitic bed			27.1					
28.0											92				
										28.7					
29.0							5 Fr 70 F 5 Fr contained beds				100				
30.0										30.2					
31.0							Calcite & py x'll // to foliation 20 Fr 60 F				100				
										31.7					
32.0							5 Fr Calcite & py x'll contained beds 65 F				94				
										32.9					

HOLE NO.:
COLLAR ELEV.,: GROUND ELEV.,:
COORDINATES: N. E.
INCLINATION: BEARING:

PROJECT:
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

REF. TO CLAIM CORNER:
SCALE:
LOGGED BY:

BEMA INDUSTRIES LTD.

AVE CORE REC'Y / HOLE

SECTION	ALTERATION (CARBONATE, SILICIFICATION, CHLORITE)	FRACTURING	MINERAL	GEOLOGY	COMMENTS	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
33.0					1cm + py, qt, ca vein 60 Fr mod - intense fracturing	60 Fr 35.0 - 37.0 GRAPHITIC PHYLLITE graphitic phyllite with strongly foliated, fine grained^ interbedded siliceous layers and graphitic rich layers. Pyrite enrichment associated with graphitic rich environments. In certain locals cumulations occur.			92				
34.0								34.1					
35.0					60F intense fracturing of graphitic rich zone py abundant " " "		TR TR		89				
36.0							TR	35.8					
37.0					20Fr 65F thin veinlet py, qt	37.0 - 37.3 GREENSTONE ? (sedimentary ?) moderately foliated, medium grained greenstone. // to foliation are small wisps of py and feldspar grains. Few small bull quartz veins. chloritic rich layers appear to have altered to a clay or talc.	~1 7	37.4	100				
38.0									89				
39.0					65F	37.3 - 40.1 SILICEOUS - GRAPHITIC PHYLLITE fine grained, thinly laminated, moderately foliated, light grey siliceous - graphitic phyllite 38.1 - 38.2 3 bull quartz veins ~ 1-2 cm thick // to sub // to foliation 39.2 40.0 - 40.1 local cumulations in foliation ie bedding silica content ~ 70 graphitic content ~ 30		39.1					
40.0							TR Py		100				

HOLE NO.:
COLLAR ELEV.,: GROUND ELEV.,:
COORDINATES: N. E.
INCLINATION: BEARING:

PROJECT:
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

REF. TO CLAIM CORNER:
SCALE:
LOGGED BY:

BEMA INDUSTRIES LTD.

AVE CORE REC'Y / HOLE

COMMENTS

DESCRIPTIVE GEOLOGY

SECTION	ALTERATION: CARBONATE	ALTERATION: SERICITE	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
41.0				5 Fr 75 F		a		40.8					
42.0				5 Fr 75 F		b			100				
43.0								42.4					
44.0				75 F					100				
45.0				30 Fr			TRACE Py ~ 1%	43.9	100				
46.0				80 F				45.4	100				
47.0								46.9					
48.0				75-80 F					78				

40.1 - 47.0

GRAPHITIC PHYLLITE with local argillaceous and siliceous interbeds

fine grained, light grey to black depending on composition, well laminated to well foliated and in local places convoluted. Thinly interbedded dark argillaceous graphitic layers with light siliceous layers giving in section a schistose texture graphitic rich sections are commonly associated with argillaceous layers and occur as small to large lenses or discriminations.

HOLE NO.: | PROJECT: | PAGE NO.: 7 OF 18

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

SECTION	ALTERATION: CARBONATE	ALTERATION: QUARTZ	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTI-MATED
48.0								47.0 – 62.3' CARBONATIC PHYLLITE — well graphitic and siliceous interbeds fine grained, thinly interbedded/interlobed graphitic and siliceous layers foliation consistently ~75° to core axis (~30° dip) foliation is commonly crenulated			48.5					
49.0												100				
50.0							75 F				50.0					
51.0								fractures are all ∥ to foliation trace of pyrite throughout				100				
52.0							Bull Quartz veins ∥ to foliation 75-80 F			TRACE PY ~ 1/2%	51.2	100				
53.0											52.7	100				
54.0							75 F				54.3					
55.0							75 F					95				

HOLE NO.: | PROJECT: | PAGE NO.: 8 OF 18

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

ALTERATION: CARBONATE, QUARTZ, CHLORITE | FRACTURING | MINERAL | GEOLOGY

COMMENTS

DESCRIPTIVE GEOLOGY

AVE CORE REC'Y / HOLE

SECTION	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
56.0							
				95			
57.0			57.5				
				100			
58.0			58.8				
59.0							
				76			
60.0			60.7				
				75			
61.0			62.2				
				82			
62.0							
63.0							

GRAPHITIC - PHYLLITE — with graphitic and siliceous interbeds

62.3 - 70.5 GRAPHITIC PHYLLITE — with graphitic interbeds locally dominant

similar to the above description however graphitic interbeds are dominant >70%. These graphitic will generally be associated with 1% or greater pyrite which occurs as fine to coarse [illegible] disseminations as fine laminations // to foliation

pyrite disseminations throughout, especially graphitic horizons

75F

75F

pyrite increase ~1% average up to 3% in certain locals

70F

TRACE Py ~ 1%

1%+

HOLE NO.:
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: BEARING:

PROJECT:
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

REF. TO CLAIM CORNER:
SCALE:
LOGGED BY:

BEMA INDUSTRIES LTD.

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: CARBONATE	ALTERATION: QUARTZ	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT.	ESTIMATED
63.0								62.3 – 70.5 GRAPHITIC PHYLLITE – with graphitic interbeds being dominant							
							75F			63.9					
64.0								64.5 – 70.5 Pyrite is up to 4% disseminated & similar to shale form (// to foliation)							
								– shearing & fracturing or breakage along foliation most intense along graphitic beds			82				
65.0										65.2					
66.0							65F								
67.0								70.5 – 83.6 GRAPHITIC PHYLLITE – with graphitic and siliceous interbeds			96				
							15F	graphitic and siliceous interbeds dominated 50/50							
68.0										68.3					
								fine grained, well foliated and certain beds complete interbeds of graphitic and siliceous layers							
69.0								pyrite content ~ 1% a noticeable increase from the last meter			90				
								bull quartz veins and lenses, boudins and veins and are mineralized							
70.0							70								

By 1-2%
By 2-4%

HOLE NO.: | PROJECT: | PAGE NO.: 10 OF 18

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N E | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

COMMENTS

DESCRIPTIVE GEOLOGY

SECTION	ALTERATION: CHLORITE	ALTERATION: QUARTZ	ALTERATION: CARBONATE	FRACTURING	MINERAL	GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
71.0									70.7					
72.0						70F				100				
73.0						5Fr 65-80 F								
74.0						75 F			73.8					
75.0								TRACE Py ~ <1%		99				
76.0						65-70 F								
77.0								5% Py	76.9					
78.0						75 F				100				

GRAPHITIC PHYLLITE — with graphitic & siliceous interbeds

description as before

2 sections ~1cm thick

HOLE NO.: | PROJECT: | PAGE NO.: 11 OF 18

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: CARBONATE	ALTERATION: QUARTZ	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT.	ESTIMATED
78.0								GRAPHITIC PHYLLITE — with graphitic & siliceous interbeds,							
79.0							70 F	fine grained graphitic & siliceous layers may occur as interbeds / intercalated or convoluted and contorted beds.			100				
80.0								pyrite is generally finely disseminated but may also occur // to foliation (sometimes as stringers) as small lenses ~ 1 cm in length and a couple of mm thick pyritized fossils?		80.0					
81.0											100				
82.0							75 F	83.6 - 96.3 SILICEOUS PHYLLITE - with siliceous & graphitic interbeds / intercalations							
83.0							75-80 F	fine grained, light grey, moderately foliated siliceous beds with thin, to 1, fine grained graphitic interbeds / intercalations siliceous ~ 75% graphitic ~ 25	TRACE Py ~ 1%	83.1					
84.0								90.2 - 92.8 siliceous ≈ graphitic unit is more competent pyrite associated with the graphitic rich beds			100				
85.0															

HOLE NO.:
COLLAR ELEV.,: GROUND ELEV.,:
COORDINATES: N E.
INCLINATION: BEARING:

PROJECT:
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

PAGE NO.: 12 OF 18
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY:

BEMA INDUSTRIES LTD.

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: CARBONATE	ALTERATION: QUARTZ	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS / DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
86.0						30 Fr	SILICEOUS PHYLLITE — with siliceous and graphitic interbeds & intercalations		86.1					
						30 F	same description as before							
87.0						30 Fr								
						30 Fr's				100				
89.0						20 Fr								
						80 F			89.2					
90.0						80 F								
										100				
91.0						75-80 F								
92.0									92.4					
						0-5 Fr								
93.0														

HOLE NO.: | PROJECT: | PAGE NO.: 13 OF 18

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

AVE CORE REC'Y / HOLE

COMMENTS

DESCRIPTIVE GEOLOGY

SECTION	ALTERATION: CARBONATE	ALTERATION: QUARTZ	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
93.0													
94.0									100				
95.0								95.4					
96.0													
97.0									100				
98.0								98.8					
99.0									20				
100.0													

80F

5 Fr

5 Fr

5 Fr 75F

80F

0-5 Fr 75F

96.3- GRAPHITIC PHYLLITE

gradational contact with the siliceous phyllites. Light grey, fine grained siliceous layers intercalated with dark grey to black graphitic layers.

TRACE Py < 1 %

HOLE NO.:
COLLAR ELEV.,: GROUND ELEV.,:
COORDINATES: N. E.
INCLINATION: BEARING:

PROJECT:
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

REF. TO CLAIM CORNER:
SCALE:
LOGGED BY:

BEMA INDUSTRIES LTD.

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: CARBONATE	ALTERATION: QUARTZ	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
101.0								GRAPHITIC PHYLLITE			20				
	W						80 F	Same description as before noticeable increase in quartz boudinage siliceous content ~ 60 graphitic content ~ 30 siliceous areas usually contain thin graphitic transposed beds which are contorted original bedding?		101.8					
102.0															
103.0							80F				100				
104.0							80-85 F								
105.0									TRACE PY - local accumulations in qtz veins	104.9					
106.0							75-80 F				100				
107.0															
	W						85 F			107.9					

HOLE NO.:
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: BEARING:

PROJECT:
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

REF. TO CLAIM CORNER:
SCALE:
LOGGED BY:

BEMA INDUSTRIES LTD.

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: CARBONATE	ALTERATION: QUARTZ	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS / DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
108.0							GRAPHITIC PHYLLITES							
109.0							same description as above			100				
110.0						75F		TRACE Py	110.9					
111.0						75F								
112.0								Py 1%		100				
113.0						80F		Py 1%						
114.0						80F			114.0					
115.0														

HOLE NO.:
COLLAR ELEV.,:
GROUND ELEV.,:
COORDINATES:
N.
E.
INCLINATION:
BEARING:
PROJECT:
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

REF. TO CLAIM CORNER:
SCALE:
LOGGED BY:

BEMA INDUSTRIES LTD.

SECTION	ALTERATION: CARBONATE	ALTERATION: QUARTZ	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
116.0								GRAPHITIC PHYLLITES				100				
117.0								Silicate content ~ 60 graphitic content ~ 40 pyrite found mostly as fine disseminations or layers of dissemination along graphitic rich horizons.			117.0					
118.0																
119.0												100				
120.0										TRACE PY	120.1					
121.0							75-80 F 45 Fr.									
122.0							85 F									
123.0							80 F				123.0					

HOLE NO.: | PROJECT: | PAGE NO.: 17 OF 18

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

SECTION	ALTERATION: CARBONATE	ALTERATION: QUARTZ	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
123.0							15 Fr								
124.0							80 F 8.01 VEIN MIN. PY IN XII VEIN, FE CARB. FEW OPEN SPACES " " NO PY.								
125.0							75-80 F								
126.0							85-90 F		PY TRACE	126?					
127.0							75-80 F								
128.0							75 F								
129.0							30-35 Fr 75			129?					
130.0							0-5 Fr								

GRAPHIC TURBIDITE

Primary sedimentary layering defined by alternating bands of graphitic argillite and graphite bearing siltstone (bedding and graded beds, sulfurous (slightly greyish, elastic structure?) and graphitic interbedded lens.

Most of the bedding parallel veins and boudins are associated with sidewalls?

HOLE NO.: | PROJECT: | PAGE NO.: 18 OF 18

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY:

BEMA INDUSTRIES LTD.

SECTION	ALTERATION: CARBONATE	ALTERATION: QUARTZ	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
131.0							75-80 F	GRANITIC INTRUSIVE same description as before		TRACE PY	132.3					
132.0							0-5 Fr									
133.0							5-15 Fr 80F			1%						
134.0							15 Fr 80F			1%						
135.0								135.3 E.O.H			135.3					
136.0																
137.0																


BEMA INDUSTRIES LTD.
KENO HILL PROJECT
LOCATION PLAN
OF THE
RAILROAD, WERNEKE, ARU, CLAIMS
AUGUST 24, 1980
RAILROAD
WERNEKE
ARU
GUMBLES LAKE
N