

APPENDIX XIX

ASSAY CERTIFICATES

LAKE STOCK
LK 88-85 TO LK 88-140

19584
Part
7 or 7



**MIN-EN
LABORATORIES LTD.**

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
VANCOUVER, B.C. CANADA V7M 1T2
PHONE (604) 980-5814 OR (604) 988-4524
FAX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of Geochem

Company: BEMA GOLD CORP.
Project: 88-10 P.O. BG 000024
Attention: G. NORMAN/B. KAHLERT/R. BARCLAY

File: 8-2170/P6
Date: DEC 8/88
Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number		AU-FIRE PPB	
46 581	148-150	1	LK 88-138
46 582	150-151	1	
46 583	151-152	1200	
46 584	152-154	20	
46 585	154-156	5	

46 586	156-158	1	
46 587	158-160	15	
46 588	160-162	1	
46 589	162-164	1	
46 590	164-165	445	

46 591	165-167	3	
46 592	167-169	1	
46 593	169-171	1	
46 594	171-173	2	
46 595	173-175	1	

46 596	175-177	1	
46 597	177-179	2	
46 598	179-181	2	
46 599	181-183	20	
46 600	183-185	18	

46 601	185-187	1	
46 602	187-188.87	1	504

Certified by _____

MIN-EN LABORATORIES LTD.

PROJECT NO: 888-10 P.O. B6000

15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 8-2170/P1-6

ATTENTION: G. NORMAN/B. KAHLER/T. BARCLAY

(604) 980-5814 OR (604) 988-4521

* TYPE: ROCK GEDCHEM *

DATE: DECEMBER 8, 1988

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
44776 165-166	.5	7660	9	10	117	.6	6	32800	4.0	9	30	33470
44781 170-171	.9	25350	74	21	224	.6	4	14170	9.0	17	49	82800
45901 146-142	.8	38250	7	22	181	.8	8	18340	4.1	20	112	34890
45909 156-158	.9	41440	4	25	190	.8	9	22560	4.9	20	81	34170
45917 172-174	1.0	38620	6	23	256	.6	10	22100	3.5	19	71	31970
45925 188-190	2.9	43100	4	27	184	.7	13	25100	4.4	20	371	46800
45933 204-206	.8	39730	7	20	187	.7	9	23010	3.6	16	78	26820
45937 212-214	.6	41490	5	22	193	.7	9	24180	3.1	17	52	27060
45941 220-222	.8	34440	6	20	211	.7	8	20670	4.1	18	40	28870
45942 222-224	.9	38240	27	25	41	.9	8	32460	18.4	24	48	39950
45949 236-238	.7	37850	3	23	197	.7	9	21870	3.9	18	68	29420
45951 246-242	1.1	20550	9	15	262	.3	9	10210	2.8	16	164	30390
45957 252-254	.6	36240	22	23	172	.7	8	24050	4.8	19	176	33280
45965 268-270	.8	36280	3	21	188	.7	9	20690	3.8	16	137	28670
45973 284-286	.8	41720	10	22	166	.6	9	25930	5.2	17	91	31330
45974 286-287	.8	31490	5	19	274	.6	9	17080	4.2	16	89	31430
45975 287-288	1.0	20030	10	15	350	.6	10	8830	4.2	15	80	29320
45977 289-290	.9	25220	8	17	325	.6	10	12230	3.2	16	59	29420
45978 290-291	1.1	20140	7	19	385	.6	10	8190	3.4	14	70	28620
45979 291-292	1.0	20860	11	31	388	.7	10	8770	3.6	15	69	29500
45982 296-298	.8	24590	8	17	269	.5	8	13770	4.0	14	84	30750
46520 58-60	.8	39450	5	17	115	.6	9	24580	4.0	17	33	27350
46523 64-66	1.4	36680	6	17	103	.9	8	24580	5.6	18	129	47690
46524 66-68	1.0	34950	17	17	73	.7	10	23130	3.6	19	34	30580
46527 71-72.3	1.5	53910	192	26	102	.9	10	30910	12.6	26	211	55560
46528 72.3-73	1.4	35600	427	17	171	.8	6	17890	22.0	34	329	69400
46529 73-74	.4	51320	62	20	91	.9	7	30630	7.0	19	89	34060
46530 74-75	.4	60670	20	24	137	1.2	7	35480	3.7	18	91	39100
46531 75-76	.5	49420	19	18	94	1.0	9	33210	4.2	16	91	35750
46533 77-78	.5	47010	3	19	93	.9	8	28780	4.6	15	56	29250
46537 81-82	.6	45870	4	18	88	.8	8	28430	2.1	16	33	30400
46544 85-89	.8	48950	20	20	136	.8	10	28090	4.9	16	92	39410
46545 91-92	.7	40870	20	18	102	.9	8	33350	5.6	13	61	33620
46546 95-97	.8	50230	22	21	155	.8	7	29150	6.2	18	159	57350
46547 101-102	.4	50300	20	19	130	.7	8	28960	4.4	15	88	35720
46553 97-98	.5	48560	19	18	118	1.0	10	29270	3.7	17	49	31960
46554 98-99	.7	49220	20	19	196	1.0	10	26730	4.4	19	117	38240
46561 109-110	.6	52760	22	20	157	.9	10	31420	3.2	17	52	31930
46562 110-111.20	9.4	35310	417	15	113	.9	8	31820	31.5	19	227	40630
46569 122-123.14	.7	42180	21	18	102	.9	7	38050	5.1	14	40	35160
46571 130.25-133	.4	40240	7	17	173	.7	9	28800	4.4	15	15	34640
46572 133-134	.7	39840	312	18	91	.8	7	28560	16.6	15	23	34370
46577 145-146	.8	36060	19	16	276	.8	10	18610	4.3	16	15	29440
46583 151-152	2.2	14850	96	8	109	.7	10	26240	8.0	13	135	44990
46585 154-155	.9	29810	17	13	225	.8	9	17410	4.5	16	73	33870
46593 164-167	.8	30090	8	12	215	.7	9	18690	4.0	14	53	31540
46601 185-187	.7	27560	18	11	175	.9	7	20960	4.3	15	35	31600

N(uai)
8-119

14
18-137

14
18-138

PROJECT NO: 888-10 P.D.BG000

15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 8-2170/P1-6

ATTENTION: G.NORMAN/B.KAHLER/T.BARCLAY

(604)980-5814 OR (604)988-4524

* TYPE * GEOCHEM *

DATE: DECEMBER 8, 1988

JKS
28-119

AK
28-137

LK
28-138

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
44776 165-166	1330	7	6670	347	5	270	8	690	19	5	10	1
44781 170-171	3120	15	14690	634	3	520	8	1490	19	1	13	1
45901 140-142	3560	12	11660	401	10	2920	8	880	23	1	57	1
45909 156-158	4170	13	12650	464	41	3330	8	830	27	1	69	1
45917 172-174	5740	11	11590	446	7	3280	6	770	24	1	62	1
45925 188-190	4960	12	11780	370	6	3320	3	730	31	1	69	1
45933 204-206	5070	12	10100	355	8	2960	6	700	22	2	62	1
45937 212-214	5010	11	10010	370	7	3160	8	720	22	1	66	1
45941 220-222	4080	13	12270	432	5	2840	16	740	24	1	57	1
45942 222-224	1100	18	22970	755	4	3200	38	910	21	4	82	1
45949 236-238	4940	13	11010	428	4	3000	10	810	24	1	58	1
45951 240-242	4380	11	8210	222	5	1790	4	490	17	1	30	1
45957 252-254	4260	12	11130	456	5	3170	2	850	23	1	61	1
45965 268-270	4320	13	10420	380	16	3270	5	820	18	1	61	1
45973 284-286	4080	11	9540	378	8	3430	7	800	19	2	70	1
45974 286-287	5370	12	10400	429	6	2940	3	810	20	1	57	1
45975 287-288	6230	11	10270	466	19	2370	4	820	18	3	30	1
45977 289-290	6280	11	9450	426	27	2690	6	770	23	3	40	1
45978 290-291	6280	13	9680	496	5	2680	4	750	20	3	28	1
45979 291-292	6160	12	9840	554	5	2830	8	770	25	3	32	1
45982 296-298	5340	13	11300	522	8	2110	4	750	23	3	35	1
46520 52-60	2350	13	11660	349	4	4200	6	840	26	3	72	1
46523 64-66	3170	15	16230	612	3	2970	5	940	30	2	55	1
46524 68-68	1810	13	10960	389	4	3800	10	1100	21	1	58	1
46527 71-71.3	3230	13	12930	465	3	5730	1	1090	26	7	94	1
46528 72.3-73	2280	14	11170	348	2	3420	1	730	19	15	56	1
46529 73-74	2440	12	10970	349	3	5370	7	1050	21	2	89	1
46530 74-75	5060	13	14430	389	3	6170	5	1100	32	1	104	1
46531 75-76	3560	12	13080	367	4	4960	5	880	19	3	88	1
46533 77-1-78	2360	12	11070	333	2	4670	5	860	22	1	78	1
46537 81-82	2260	11	9060	342	6	5010	5	850	14	1	79	1
46544 88-89	4700	13	12040	343	2	5190	2	800	29	1	76	1
46545 90-91	4160	13	15800	489	4	3900	6	930	26	2	64	1
46546 90-91	7340	17	17760	487	3	4220	3	830	27	1	63	1
46547 91-92	3990	13	12680	395	4	4980	2	850	21	1	75	1
46553 97-98	3040	11	8900	335	3	5460	3	830	27	1	85	1
46554 98-99	6200	13	13310	506	3	5240	4	930	27	1	79	1
46561 109-110	5090	13	12590	414	5	5680	9	860	20	1	86	1
46562 110-110	33840	11	13970	577	3	3240	9	790	179	198	64	1
46569 112-113	2570	11	11090	878	3	4120	1	720	33	9	65	1
46571 120-121	3580	13	10830	705	5	3900	1	750	27	3	63	1
46572 121-121	2410	12	10580	616	4	3850	4	790	22	19	62	1
46577 126-126	6650	12	10700	583	4	3310	10	740	25	4	56	1
46583 151-152	2870	9	11120	468	4	1040	2	590	20	9	40	1
46585 157-157	5030	13	12580	370	12	2550	5	680	20	3	44	1
46593 163-163	4530	12	11430	576	2	2710	6	700	23	2	45	1
46601 185-187	3950	12	11960	693	5	2480	9	690	22	4	43	1

PROJECT NO: 888-10 P.O. BG000

15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 8-2170/P1-6

ATTENTION: G. NORMAN/B. KAHLER/T. BARCLAY

(604)980-5814 OR (604)988-4522 * TYPE CK GEOCHEM *

DATE: DECEMBER 8, 1988

N(Cu) 28-119

28-157

28-158

(VALUES IN PPM)	U	V	ZN	GA	SN	W	CR
44776 165-166	3	54.4	44	3	1	5	138
44781 170-171	1	187.7	110	1	2	1	95
45901 140-142	1	100.3	49	1	2	1	85
45909 156-158	1	105.9	45	1	3	2	112
45917 172-174	1	98.1	47	2	2	3	110
45925 188-190	1	93.0	52	2	1	2	106
45933 204-206	1	83.9	39	2	1	2	77
45937 212-214	1	87.7	42	2	1	1	81
45941 220-222	1	86.7	43	2	1	2	92
45942 222-224	1	110.0	367	1	1	2	116
45949 236-238	1	93.2	50	2	1	2	85
45951 240-242	1	60.9	32	2	1	3	94
45957 252-254	1	91.8	41	2	1	1	81
45965 268-270	1	89.3	42	3	2	1	89
45973 284-286	1	85.3	60	2	1	2	97
45974 286-287	1	83.1	45	2	1	2	95
45975 287-288	1	74.7	53	3	2	3	97
45977 289-290	1	84.9	47	3	2	4	109
45978 290-291	1	67.8	48	3	1	4	103
45979 291-292	1	72.6	60	4	2	4	127
45982 296-298	1	80.0	49	2	1	3	99
46520 58-60	1	70.1	41	3	2	3	79
46523 64-66	1	101.8	48	1	2	1	78
46524 66-68	1	90.8	33	2	1	2	67
46527 71-72.3	1	100.2	44	2	2	2	101
46528 72.3-73	1	84.9	51	1	2	2	102
46529 73-74	1	82.6	33	2	1	2	77
46530 74-75	1	105.1	37	1	2	2	79
46531 75-76	1	96.8	34	2	2	1	67
46533 77-78	1	83.0	33	3	1	1	60
46537 81-82	1	89.5	33	3	2	2	59
46544 83-84	1	110.0	36	2	3	1	71
46545 85-86	1	122.6	38	2	2	1	57
46546 87-88	1	133.3	67	1	1	1	67
46547 89-90	1	105.4	48	2	2	2	64
46553 92-93	1	88.5	30	2	1	2	72
46554 93-94	1	103.7	66	2	1	3	76
46561 109-110	1	82.7	42	3	2	3	75
46562 110-111-20	2	70.7	355	1	1	2	89
46569 122-123-14	1	65.7	57	2	2	3	86
46571 124-125	1	91.6	51	3	1	2	84
46572 126-127	1	76.7	48	2	1	2	88
46577 128-129	1	91.0	69	2	1	3	87
46583 131-132	1	43.6	42	3	1	2	68
46585 134-135	1	83.0	44	2	1	2	76
46593 137-138	1	80.2	60	2	2	2	77
46601 139-140	1	76.3	65	2	1	2	77



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS
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TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 887
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9988

Certificate of Assay

Company: BEMA GOLD CORP.
Project: 88-10 P.O. 85 000024
Attention: G. NORMAN/B. KAHLERT/R. BARCLAY

File: 8-2170/PS
Date: DEC 7/88
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU% G/TONNE	AU% OZ/TON
44 595 81-81	.02	0.001
44 596 81-81	1.30**	0.038
44 597 81-83	.63	0.018
44 598 83-84	.14	0.004
44 599 84-85	.04	0.001
44 600 85-86	.01	0.001
44 601 86-87	.02	0.001
44 602 87-88	.65	0.019
44 603 88-89	2.30**	0.064
44 604 89-90	.61	0.018
44 605 90-91	.11	0.003
44 606 91-92	.54	0.016
44 607 92-93	.33	0.010
44 608 93-94	4.72	0.138
44 609 94-95	.34	0.010
44 610 95-96	.72	0.021
44 611 96-97	.05	0.001
44 612 97-99	.02	0.001
44 613 99-101	.01	0.001
44 614 101-103	.42	0.012
44 615 103-105	.01	0.001
44 616 105-107	.01	0.001
44 617 107-109.12	.01	0.001
45 976	1.27	0.037
46 532 76-77.1	1.70	0.050

JN (46)
88-118

JN (46)
88-118
END OF PAGE.

4 counts vs
2 counts vs

HL-88-138

* 1 ASSAY TON
** SAMPLE MAY CONTAIN METALLIC GOLD

Certified by



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SPECIALISTS IN MINERAL ENVIRONMENTS
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705 WEST 15TH STREET
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TIMMINS OFFICE:
33 EAST IRROQUOIS ROAD
P.O. BOX 887
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE (705) 264-8996

Certificate of GEOCHEM

Company: BEMA GOLD CORP.
Project: 86-10 P.O. NO 000031
Attention: G. NORMAN/B. KAHLERT/AR. BARELAY

File: 8-2182/P1
Date: DEC 12/88
Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE PFB	
45 985 12-14-88	81	DDN - LK - 39 - 139/A
45 986 12-14-88	4	
45 987 12-14-88	16	
45 988 12-14-88	3	
45 989 12-14-88	1	
45 990 12-14-88	1	
45 991 12-14-88	2	
45 992 12-14-88	96	
45 993 12-14-88	3	
45 994 12-14-88	2	
45 995 12-14-88	2	
45 996 12-14-88	32	
45 997 12-14-88	486	
45 998 12-14-88	3	
45 999 12-14-88	61	
46 000 12-14-88	19	
46 001 12-14-88	2	
46 002 12-14-88	43	
46 003 12-14-88	48	
46 004 12-14-88	2	
46 005 12-14-88	2	
46 006 12-14-88	4	
46 007 12-14-88	2	
46 008 12-14-88	1	
46 009 12-14-88	1	
46 010 12-14-88	2	
46 011 12-14-88	1	
46 012 12-14-88	1	
46 013 12-14-88	549	
46 014 12-14-88	36	DDN - LK - 39 - 139/A

Certified by

[Signature]
MIN-EN LABORATORIES LTD.



**MINERAL
LABORATORIES LTD.**

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
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TELEX VIA U.S.A. 7601067 • FAX (604) 980-6621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 887
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-8836

Certificate of Geochem

Company: BEMA GOLD CORP.
Project: 88-10 P.O. EG 00021
Attention: G. NORMAN/E. KAHLERT/R. BARCLAY

File: 0-2182/P2
Date: DEC. 12/88
Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number AU-FIRE PPM

46 015 45-46 4

DDH-LK-88-139 (6)

46 016 45-42 16

46 017 45-42 1400

46 018 45-42 25

46 019 45-42 1

46 020 45-42 2

46 021 45-42 2

46 022 45-42 17

46 023 45-42 2

46 024 45-42 3

46 025 45-42 258

46 026 45-42 2

46 027 45-42 1

46 028 45-42 16

46 029 45-42 353

46 030 45-42 4

46 031 45-42 19

46 032 45-42 104

46 033 45-42 3

46 034 45-42 17

46 035 45-42 2

46 036 45-42 3

46 037 45-42 1

46 038 45-42 2

46 039 45-42 4

46 040 45-42 1

46 041 45-42 1

46 042 45-42 308

46 043 45-42 3

46 044 45-42 1

Certified by



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SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
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TELEX: VIA U.S.A. 7801067 • FAX (604) 980-9321

TIMMINS OFFICE:
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TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of ASSAY

Company: BEMA GOLD CORP.
Project: 88-10 P.O. 88 000031
Attention: G. NORMAN/B. KAHLERT/R. BARCLAY

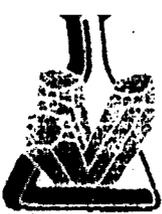
File: 8-2182/P8
Date: DEC 12/88
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number		AU G/TONNE	AU OZ/TON
46 017	47-49 88-1396	1.56	0.046
46 061	135-137 88-1396	2.43	0.071
46 069	15-17 88-140	1.58	0.046

Certified by

MIN-EN LABORATORIES LTD.



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P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9896

Certificate of Geochem

Company: BEMA GOLD CORP.
Project: 88-10 P.G. BG 000021
Attention: G. NORMAN/B. KAHLERT/R. BARCLAY

File: 8-2182/P3
Date: DEC. 12/88
Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AU-FINE PPB
46 045 103-108	1
46 046 105-107	1
46 047 107-109	28
46 048 109-111	9
46 049 111-113	57
46 050 113-115	2
46 051 115-117	1
46 052 117-119	1
46 053 119-121	3
46 054 121-123	2
46 055 123-125	18
46 056 125-127	3
46 057 127-129	7
46 058 129-131	2
46 059 131-133	3
46 060 133-135	2
46 061 135-137	2090
46 062 137-139	21
46 063 139-141	17
46 064 141-143	1
46 065 143-145	23
46 066 145-147	1
46 067 147-149	18
46 068 149-151	24
46 069 151-153	1100
46 070 153-155	3
46 071 155-157	259
46 072 157-159	3
46 073 159-161	6
46 074 161-163	2

Certified by

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TELEX: WA U.S.A. 7601087 • FAX (604) 860-6821

TIMMING OFFICE:
35 EAST BRIDGES ROAD
P.O. BOX 657
TIMMING, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 284-9996

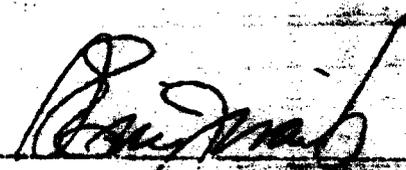
Certificate of Analysis

Company: BEMA GOLD CORP.
Project: 88-10 P.G. BE 000031
Attention: G. NORMAN/B. KAHLERT/R. BARCLAY

File: B-2182/P3
Date: DEC. 12/86
Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	Sample ID	ALL-FINE PPM	Notes
46 045	103-105	1	DDH-LK-88-132(b)
46 046	105-107	1	
46 047	107-109	28	
46 048	109-111	9	
46 049	111-113	57	
46 050	113-115	2	
46 051	115-117	1	
46 052	117-119	1	
46 053	119-121	3	
46 054	121-123	2	
46 055	123-125	18	
46 056	125-127	3	
46 057	127-129	7	
46 058	129-131	2	
46 059	131-133	3	
46 060	133-135	2	
46 061	135-137	2090	
46 062	137-139	21	
46 063	139-141	17	
46 064	141-143	1	
46 065	143-145	23	
46 066	145-147	1	
46 067	147-148.43	18	EOH
46 068	12.50-15	24	
46 069	15-17	1100	DDH-LK-88-140
46 070	17-19	2	
46 071	19-21	259	
46 072	21-23	3	
46 073	23-25	5	
46 074	25-27	2	

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MINING OFFICE:
33 EAST WOODS ROAD
P.O. BOX 887
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE (705) 264-9888

Certificate of Geochem

Company: BEMA GOLD CORP.
Project: 88-10 F.U. NG 000031
Attention: G. NORMAN B. KAHLERT / R. BARCLAY

File: 8-2102/P4
Date: DEC 12/88
Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE P/P
46 075	2
46 076	3
46 077	2
46 078	118
46 079	19

46 080	18
46 081	157
46 082	3
46 083	3
46 084	1

46 085	4
46 086	2
46 087	1
46 088	3
46 089	1

46 090	3
46 091	1
46 092	7
46 093	2
46 094	2

46 095	3
46 096	1
46 097	2
46 098	2
46 099	1

46 100	2
46 101	19
46 102	2
46 103	1
46 104	3

Certified by _____

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MINIS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9986

Certificate of Geochem

Company: BEMA GOLD CORP.
Project: BE-10 P.O. BG 000051
Attention: G. NORMAN/B. KAHLERT/R. BARCLAY

File: 8-2182/P5
Date: DEC 12/88
Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE PPS
46 105	378
46 106	3
46 107	1
46 108	2
46 109	1

46 110	1
46 111	2
46 112	1
46 113	2
46 114	1

46 115	18
46 116	2
46 117	3
46 118	1
46 119	19

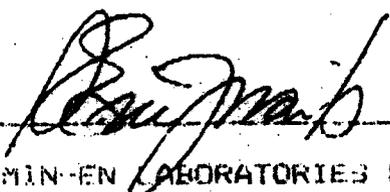
46 120	2
46 121	1
46 122	4
46 123	2
46 124	1

46 125	1
46 126	2
46 127	23
46 128	2
46 129	1

46 130	2
46 603	1
46 604	3
46 605	1
46 606	2

LF 88-105

Pt 88-85

Certified by  98
108
190
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P.O. BOX 887
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of Geochem

Company: BEMA GOLD CORP.
Project: 88-10 P.O. BG 000031
Attention: G. NORMAN / R. KAHLERT / R. BARCLAY

File: 8-2182/P5
Date: DEC 12/89
Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number		AU-FIRE	
		PPB	
46 105	85-86	378	LK 88-140
46 106	86-87	3	
46 107	87-88	1	
46 108	88-89	2	
46 109	89-90	1	
46 110	90-91	1	
46 111	91-92	2	
46 112	92-93	1	
46 113	93-94	2	
46 114	94-95	1	
46 115	95-96	18	
46 116	96-97	2	
46 117	97-98	3	
46 118	98-99	1	
46 119	99-100	19	
46 120	100-101	2	
46 121	101-102	1	
46 122	102-103	4	
46 123	103-104	2	
46 124	104-105	1	
46 125	105-106	1	
46 126	106-107	2	
46 127	107-108	23	
46 128	108-109	2	
46 129	109-110	1	
46 130	110-111	2	
46 603	6-10-9	1	Pt 88-85
46 604	9-12	3	
46 605	12-15	1	
46 606	15-18	2	

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LEX: VIA U.S.A. 7601067 • FAX (604) 980-2621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9966

Certificate of GEOCHEM

Company: BEMA GOLD CORP.
Project: BR 10 P.L.O. BY 000037
Attention: G. NORMAN / R. KOPPELITZ / R. WARDLEY

Files: B-2192701
Date: DEC. 14/88
Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number AU-TRE
PP2

46 649 175-178 17
46 650 175-178 2
46 651 175-178 15
46 652 175-178 12
46 653 175-178 7

46 654 175-178 10
46 655 175-178 12
46 656 175-178 8
46 657 175-178 6
46 658 175-178 21

46 659 175-178 1
46 660 175-178 12
46 661 175-178 7
46 662 175-178 5
46 663 175-178 8

46 664 175-178 8
46 665 175-178 2
46 666 175-178 25
46 667 175-178 1
46 668 175-178 1

46 669 175-178 1
46 670 175-178 2
46 671 175-178 1
46 672 175-178 1
46 673 175-178 26

46 674 200-203 4
46 675 203-206 5
46 676 206-209 2
46 677 209-212.75 60
46 678 6-10-9 5

EOLH

PT 88-86

Controlled by

Signature

MINNER LABORATORIES LTD.

2/18/89
 12/10/88

88-10

88-85

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CD	CO	CU	FE	
45985	1.5	30110	35	14	115	.8	7	9610	.1	12	65	34310
45993	.7	37110	40	15	202	.7	10	19700	.7	20	65	29940
46001	.3	22720	15	13	164	1.0	3	18580	.3	25	518	84370
46002	.5	18920	5	13	126	1.2	3	17240	.2	20	377	79700
46003	.5	24100	30	13	343	1.3	5	4960	.5	21	540	77620
46009	.8	31910	14	13	272	.9	9	12900	.1	18	27	30430
46015	2.8	31620	40	15	230	.9	6	13340	1.7	16	144	46090
46016	.4	17640	26	11	105	1.2	3	10180	2.1	19	418	74620
46017	5.2	21260	49	13	131	1.0	2	10280	3.6	29	414	91570
46025	2.9	31430	11	28	201	.8	9	14590	.1	20	93	33410
46032	2.2	17150	1	11	101	.8	3	4450	.1	18	450	84000
46033	.9	24940	33	12	327	.9	9	11240	.4	18	105	51780
46041	.6	50650	46	19	183	1.1	9	29360	.3	18	47	29450
46049	.5	45760	144	18	103	.7	7	24030	1.4	20	193	37720
46057	.6	44599	1	17	103	1.0	9	26830	.5	20	76	30560
46055	.4	23850	28	13	179	1.4	4	14180	1.1	14	86	27680
46073	1.0	28040	7	11	237	.9	10	13860	.7	14	16	21720
46081	3.0	32809	272	14	85	1.0	7	16290	1.1	15	51	33010
46089	.9	43630	4	16	201	.9	9	23980	.2	17	13	26510
46097	.9	37560	5	14	168	1.0	9	20010	.9	17	15	26360
46105	1.4	30278	42	14	105	.9	9	11110	.2	15	272	64180
46113	.9	37210	39	14	175	.9	11	21130	.2	18	20	30330
46114	1.0	35650	1	14	203	.9	11	17960	.4	17	35	30080
46115	1.1	25200	1	11	102	.8	11	13420	.8	17	86	41770
46116	.9	24210	1	13	203	.7	10	19140	.4	17	45	30450
46121	1.0	35926	2	13	207	.9	11	18690	1.7	17	16	25940
46124	1.0	32760	21	12	145	.9	9	13290	.7	20	138	33840
46129	1.0	37040	8	14	224	.8	10	19920	1.0	16	12	24040
46607	1.0	24360	27	10	229	1.1	14	30200	1.8	28	25	53780
46609	1.4	19620	23	8	213	1.2	16	13970	1.0	26	41	40800
46617	1.6	20970	1	9	160	1.0	16	22870	1.7	23	22	50970
46625	.3	23350	1	12	1342	1.3	6	8510	.5	12	11	106270
46633	1.3	20430	33	9	197	1.1	15	20930	1.0	26	11	48510
46641	1.7	23120	27	11	316	1.2	15	14092	.6	26	13	62010

COMPANY: BENA GOLD CORPORATION
 PROJECT NO: 98-10 P.D. B600

MIN-EX LABS ICP REPORT

(ACT:F31) PAGE 2 OF 3

WEST 15TH ST., NORTH VANCOUVER, V7R 1T1

FILE NO: 8-2182R/P1-7

ATTENTION: G. NORMAN/B. KAHLERT/R. BARCLA

(604)990-5814 OR (604)732-4533

TYPE: ROCK SAMPLE #

DATE: DECEMBER 12, 1988

(VALUES IN PPM)	K	LI	MG	MN	CS	NA	NI	P	PB	SB	SR	TH
45985	2030	12	10580	295	9	1980	2	610	28	4	42	1
45993	4150	11	11840	404	8	3170	13	860	30	2	64	1
46001	1860	9	9720	396	14	1260	55	5010	26	61	27	1
46002	2690	9	10330	351	30	800	92	4940	19	8	23	1
46003	4700	13	16070	485	11	700	39	950	21	8	17	1
46009	3590	13	10980	974	5	1800	16	520	19	2	41	1
46015	1980	11	13340	360	23	1580	23	2240	22	11	42	1
46016	3050	8	9980	280	20	780	96	2810	23	8	20	1
46017	2370	11	13090	439	13	630	68	1730	27	5	19	1
46025	3520	10	10840	411	5	2510	12	790	23	4	51	1
46032	2110	10	8710	353	2	840	5	590	21	3	20	2
46033	6050	11	11200	429	4	1880	13	1660	17	2	32	1
46041	4990	12	13730	447	6	3420	17	560	22	1	81	1
46049	2670	12	13050	461	50	2370	14	680	19	6	72	1
46057	2800	12	11390	539	5	2830	17	680	20	3	75	1
46065	7090	13	9480	390	8	1120	53	4280	21	2	30	1
46073	4430	10	8160	366	6	3140	6	740	18	2	50	1
46081	2280	12	11020	396	3	2750	6	730	25	335	48	1
46089	4660	11	10360	392	6	5110	5	890	27	4	68	1
46097	3800	11	10390	414	4	4110	5	830	24	3	56	1
46105	4020	12	13790	334	3	2460	1	660	19	2	39	1
46113	4100	13	11770	424	4	3890	3	740	25	2	53	1
46114	5080	11	13900	365	7	3850	5	840	19	2	51	1
46119	2820	10	10960	284	3	1250	2	700	20	3	34	1
46116	3950	11	11470	361	3	3740	3	850	23	1	51	1
46121	4110	10	10100	396	5	4040	4	630	22	2	55	1
46124	2720	12	11240	453	9	2980	5	750	21	4	44	1
46129	4740	10	9360	352	4	4530	4	780	24	2	58	1
46607	5490	17	17810	878	5	810	2	920	24	2	29	1
46609	4880	15	12690	649	3	1510	6	870	17	3	18	1
46617	3430	15	14030	852	6	930	3	1280	23	2	16	2
46625	10190	27	7710	651	3	1910	7	2090	27	1	24	2
46633	3670	18	14450	733	4	1080	5	1010	20	3	22	1
46641	2410	19	14540	592	4	1260	4	2380	20	3	19	1

67
68

COMPANY: BEMA GOLD CORPORATION

MIN-EN LABS ICP REPORT

(ACT: F31) PAGE 3 OF 3

PROJECT NO: 88-10 P.O. 860 71

WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 8-2182R/P1-7

ATTENTION: G. NORMAN/B. KAHLER/R. BARCLAY

(604)980-5211 OR (604)988-1111

JACK GEOCHEM

DATE: DECEMBER 12, 1988

(VALUES IN PPM)	U	V	ZN	SA	SN	W	CR
45985	1	74.6	45	2	2	2	94
45993	1	106.0	45	2	2	1	85
46001	1	373.0	164	2	1	2	150
46002	1	445.1	333	4	1	1	165
46003	1	318.7	174	1	1	1	118
46009	1	96.8	76	1	1	2	95
46015	1	187.3	58	1	1	1	92
46016	1	500.1	395	1	2	1	185
46017	1	298.5	242	1	1	5	116
46025	1	96.8	57	1	2	1	71
46032	1	77.1	38	2	1	2	106
46033	1	129.7	57	1	3	1	107
46041	1	117.9	45	1	1	2	111
46049	1	121.1	55	1	3	1	89
46057	1	100.3	49	2	2	1	89
46055	1	354.5	353	3	3	2	133
46073	1	67.8	40	4	2	2	81
46081	1	99.3	46	2	2	1	71
46089	1	100.1	46	4	3	1	74
46087	2	52.6	44	2	3	1	69
46105	1	108.1	33	1	1	1	75
46113	2	161.5	38	2	2	1	57
46114	1	106.4	35	2	2	1	63
46115	1	51.7	30	3	2	1	71
46116	1	96.0	35	1	2	1	88
46121	1	91.5	49	3	3	1	61
46124	1	99.5	55	2	2	1	91
46129	1	92.4	41	3	3	1	76
46607	1	184.9	74	5	3	2	78
46609	1	116.6	51	1	3	2	75
46617	1	114.5	59	5	3	2	88
46625	1	169.8	99	2	1	1	81
46633	1	160.7	61	1	3	2	82
46641	102 - 105	185.5	96	1	4	1	105

45985

46015

46081

46607



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• EN**

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TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of ASSAY

Company: BEMA GOLD CORP.
Project: 88-10 P.D. BG 000031
Attention: G. NORMAN/B. KAHLERT/R. BARCLAY

File: B-2192/P8
Date: DEC 12/88
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU GRAVE	AU OZ/TON
46 017 47-49	1.56	0.046
46 061 135-137	2.43	0.071
46 069 15-17	1.58	0.046

DPH - LK - 88 - 137 (b)

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 TELEFAX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
 33 EAST IROQUOIS ROAD
 P.O. BOX 867
 TIMMINS, ONTARIO CANADA P4N 7G7
 TELEPHONE: (705) 264-9996

Certificate of GEOCHEM

Company: BEMA GOLD CORP.
 Project: 88-10 P.L.O. BG 000031
 Attention: G. NORMAN/B. KAHLERT/R. BARCLAY

File: 8-2182/P1
 Date: DEC 12/88
 Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number AU-FINES (%)

DDH-LK-88-139

45 985 12.19 - 14.00 : 81
 45 986 14.00 - 16.00 : 4
 45 987 16.00 - 18.00 : 14
 45 988 18.00 - 20.00 : 3
 45 989 20.00 - 22.00 : 2

45 990 22.00 - 24.00 : 1
 45 991 24.00 - 26.00 : 2
 45 992 26.00 - 28.00 : 98
 45 993 28.00 - 30.00 : 3
 45 994 30.00 - 32.00 : 2

45 995 32.00 - 34.00 : 2
 45 996 34.00 - 36.00 : 82
 45 997 36.00 - 38.00 : 486
 45 998 38.00 - 40.00 : 3
 45 999 40.00 - 42.00 : 81

46 000 42.00 - 44.00 : 19
 46 001 44.00 - 46.00 : 2
 46 002 46.00 - 48.00 : 43
 46 003 48.00 - 50.00 : 48
 46 004 50.00 - 52.00 : 2

46 005 52.00 - 54.00 : 3
 46 006 54.00 - 56.00 : 4
 46 007 56.00 - 58.00 : 2
 46 008 58.00 - 60.00 : 1
 46 009 60.00 - 62.00 : 1

46 010 62.00 - 64.00 : 2
 46 011 64.00 - 66.00 : 1
 46 012 66.00 - 68.00 : 1
 46 013 68.00 - 69.00 : 549
 46 014 41.00 - 43.00 : 36

DDH-LK-88-139
 DDH-LK-88-139B

Certified by

MIN-EN LABORATORIES LTD.



Certificate of Geochem

Company: BEMA GOLD CORP.
Project: 88-10 P.D. BG 000031
Attention: G. NORMAN/B. KAHLERT/R. BARCLAY

File: 8-2182/P2
Date: DEC. 12/88
Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE PPS	DDH - Lk-88-139 B
46 015 43.00 - 45.00	4	Δ
46 016 45.00 - 47.00	16	
46 017 47.00 - 49.00	1450	
46 018 49.00 - 51.00	23	
46 019 51.00 - 53.00	1	
46 020 53.00 - 55.00	2	
46 021 55.00 - 57.00	2	
46 022 57.00 - 59.00	19	
46 023 59.00 - 61.00	2	
46 024 61.00 - 63.00	3	
46 025 63.00 - 65.00	258	
46 026 65.00 - 67.00	2	
46 027 67.00 - 69.00	1	
46 028 69.00 - 71.00	18	
46 029 71.00 - 73.00	353	
46 030 73.00 - 75.00	4	
46 031 75.00 - 77.00	19	
46 032 77.00 - 79.00	104	
46 033 79.00 - 81.00	3	
46 034 81.00 - 83.00	17	
46 035 83.00 - 85.00	2	
46 036 85.00 - 87.00	3	
46 037 87.00 - 89.00	1	
46 038 89.00 - 91.00	2	
46 039 91.00 - 93.00	4	
46 040 93.00 - 95.00	1	
46 041 95.00 - 97.00	1	
46 042 97.00 - 99.00	358	
46 043 99.00 - 101.00	3	
46 044 101.00 - 103.00	1	

DDH - Lk-88-139 B

Certified by



**MIN-EN
LABORATORIES LTD.**

SPECIALISTS IN MINERAL ENVIRONMENTS
THEMELTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
305 WEST 15TH STREET
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TELEX: VIA U.S.A. 7801067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of Geochem

Company: BEMA GOLD CORP.
Project: 88-10 P.O. BG 000031
Attention: G. NORMAN/B. KAHLERT/R. BARCLAY

File: 8-2182/P3
Date: DEC. 12/88
Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number AU-FIRE PPM

46 045 103.00 - 105.00 1
46 046 105.00 - 107.00 1
46 047 107.00 - 109.00 28
46 048 109.00 - 111.00 9
46 049 111.00 - 113.00 57

DDH-LK-88-139 B
A

46 050 113.00 - 115.00 2
46 051 115.00 - 117.00 1
46 052 117.00 - 119.00 1
46 053 119.00 - 121.00 3
46 054 121.00 - 123.00 2

46 055 123.00 - 125.00 18
46 056 125.00 - 127.00 3
46 057 127.00 - 129.00 7
46 058 129.00 - 131.00 2
46 059 131.00 - 133.00 3

46 060 133.00 - 135.00 2
46 061 135.00 - 137.00 2090
46 062 137.00 - 139.00 21
46 063 139.00 - 141.00 17
46 064 141.00 - 143.00 1

46 065 143.00 - 145.00 23
46 066 145.00 - 147.00 1
46 067 147.00 - 143.43 18
46 068 12.50 - 15.00 24
46 069 15.00 - 17.00 1100

DDH-LK-88-139 B
LK 88-140
A

46 070 17.00 - 19.00 2
46 071 19.00 - 21.00 259
46 072 21.00 - 23.00 3
46 073 23.00 - 25.00 5
46 074 25.00 - 27.00 2

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MIN-EN LABORATORIES LTD.



Certificate of Geochem

Company: BEMA GOLD CORP.
Project: 88-10 P.O. BG 000031
Attention: G. NORMAN/B. KAHLERT/R. BARCLAY

File: 8-2182/P4
Date: DEC 12/88
Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number		AU-FIRE PPB
46 073	27.00 - 29.00	2
46 076	29.00 - 31.00	3
46 077	31.00 - 33.00	2
46 078	33.00 - 35.00	118
46 079	35.00 - 37.00	19

46 080	37.00 - 39.00	18
46 081	39.00 - 41.00	137
46 082	41.00 - 43.00	3
46 083	43.00 - 45.00	3
46 084	45.00 - 47.00	1

46 085	47.00 - 49.00	4
46 086	49.00 - 51.00	2
46 087	51.00 - 53.00	1
46 088	53.00 - 55.00	3
46 089	55.00 - 57.00	1

46 090	57.00 - 59.00	3
46 091	59.00 - 61.00	1
46 092	61.00 - 63.00	9
46 093	63.00 - 65.00	2
46 094	65.00 - 67.00	2

46 095	67.00 - 69.00	3
46 096	69.00 - 71.00	1
46 097	71.00 - 73.00	2
46 098	73.00 - 75.00	2
46 099	75.00 - 77.00	1

46 100	77.00 - 79.00	2
46 101	79.00 - 81.00	19
46 102	81.00 - 83.00	2
46 103	83.00 - 84.00	1
46 104	84.00 - 85.00	3

LK-88-140

LK-88-140

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Certificate of Geochem

Company: BEMA GOLD CORP.
 Project: BB-10 P.O. BG 000031
 Attention: G. NORMAN/B. KAHLERT/R. BARCLAY

File: B-2182/P5
 Date: DEC 12/88
 Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	meter	AU-FIRE PPS	
46 105	85.00 - 86.00	378	LK-88-140 ↑
46 106	86.00 - 87.00	3	
46 107	87.00 - 88.00	1	
46 108	88.00 - 89.00	2	
46 109	89.00 - 90.00	1	

46 110	90.00 - 91.00	1	
46 111	91.00 - 92.00	2	
46 112	92.00 - 93.00	1	
46 113	93.00 - 94.00	2	
46 114	94.00 - 95.00	1	

46 115	95.00 - 96.00	18	LK-88-140 ↓
46 116	96.00 - 97.00	2	
46 117	97.00 - 98.00	3	
46 118	98.00 - 99.00	1	
46 119	99.00 - 100.00	19	

46 120	100.00 - 102.00	2	
46 121	102.00 - 104.00	1	
46 122	104.00 - 106.00	4	
46 123	106.00 - 108.00	2	
46 124	108.00 - 110.00	1	

46 125	110.00 - 112.00	1	LK-88-140 PT-88-85
46 126	112.00 - 114.00	2	
46 127	114.00 - 115.00	23	
46 128	115.00 - 117.00	2	
46 129	117.00 - 119.00	1	

46 130	119.00 - 121.00	2	
46 603	6.00 - 9.00	1	
46 604	9.00 - 12.00	3	
46 605	12.00 - 15.00	1	
46 606	15.00 - 18.00	2	

Certified by *[Signature]*
 MIN-EN LABORATORIES LTD.