

## GEOCHEMICAL ANALYSIS CERTIFICATE

0925/6

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: ROCK AU\* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

820461

DATE RECEIVED: JUL 12 1989

DATE REPORT MAILED:

July 18/89

SIGNED BY:

C. Long

D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

VANBRUGH MANAGEMENT LTD

File # 89-2109

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
ROCK SAMPLE	57	992	8	76	1.4	36	37	553	38.78	2	5	ND	5	11	1	2	4	170	.05	.011	2	8	.81	28	.01	10	1.59	.02	.04	2	51

## GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FOR MN PB SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: Core AU\* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUN 7 1989 DATE REPORT MAILED: June 12/89 SIGNED BY: *C. Long* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

CASTLE MINERALS INC. PROJECT WREN CLAIMS File # 89-1369

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
801	2	211	16	201	.3	8	13	825	4.18	2	5	ND	2	23	1	2	2	41	.21	.074	4	10	2.55	135	.01	2	3.50	.03	.10	1	45
802	1	169	12	215	.2	15	17	958	4.91	2	5	ND	1	26	1	2	2	59	.45	.074	5	21	3.22	205	.03	2	4.55	.03	.09	1	34
803	1	193	10	188	.3	2	8	225	2.98	7	5	ND	1	12	1	2	2	21	.16	.073	2	1	.99	71	.01	2	1.75	.04	.23	1	54
804	2	173	10	100	.1	6	8	307	3.44	4	5	ND	1	14	1	2	2	33	.11	.066	2	5	1.21	86	.01	2	2.31	.05	.31	1	48
805	3	214	10	100	.2	3	12	645	3.63	6	5	ND	2	19	1	2	2	20	.20	.081	4	1	1.59	88	.01	2	2.34	.04	.17	1	43
806	1	121	30	102	.4	27	24	1143	3.58	8	5	ND	1	67	1	3	2	59	2.15	.064	4	57	3.47	79	.12	2	4.01	.01	.04	1	14
807	1	151	12	169	.2	5	9	983	3.97	6	5	ND	2	36	1	3	2	34	.22	.080	10	3	2.48	118	.01	2	3.78	.06	.19	1	19
STD C/AU-R	18	63	41	132	6.6	73	31	1022	3.83	42	22	7	37	51	19	15	18	59	.47	.090	38	56	.88	173	.07	35	1.83	.06	.13	13	490

**GEOCHEMICAL ANALYSIS CERTIFICATE**

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: CRUSHED ROCK AU\* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: MAY 25 1989 DATE REPORT MAILED: *May 31/89* SIGNED BY: *C. Long* . . . D. TOYE, C. LEONG, J. WANG: CERTIFIED B.C. ASSAYERS

ARCHEAN ENGINEERING LTD. File # 89-1226

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
CRUSHED ROCK SAMPLE	10	469	32	168	1.4	44	24	547	5.70	8	5	ND	2	35	1	8	2	25	.17	.067	3	18	1.15	29	.01	2	2.02	.04	.17	472	120

**GEOCHEMICAL ANALYSIS CERTIFICATE**

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 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: Core AU\* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUL 18 1989 DATE REPORT MAILED: *July 21/89* SIGNED BY: *C. Long* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

CASTLE MINERALS INC. File # 89-2235

SAMPLE#	No	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	PPM	PPM	
89-5 5-15	1	113	20	62	.5	7	13	929	5.01	10	5	ND	1	15	1	2	2	25	.14	.090	2	3	2.13	44	.10	2	2.19	.03	.10	1	3
89-5 15-25	1	134	38	61	1.7	16	16	1049	4.40	7	5	ND	1	14	1	2	2	40	.18	.075	2	42	2.64	34	.12	2	2.56	.03	.07	1	5
89-5 25-35	1	127	15	80	.3	41	30	1150	4.92	4	5	ND	1	41	1	2	2	117	.90	.088	3	202	4.59	4	.20	2	4.41	.01	.01	1	1
89-5 35-45	1	115	32	60	.8	37	24	650	4.54	8	5	ND	1	34	1	2	2	85	.50	.090	2	147	3.23	19	.10	3	3.00	.01	.06	1	4
89-5 45-55	3	69	20	10	2.4	11	17	57	4.22	17	5	ND	1	16	1	3	2	9	.15	.077	2	8	.15	29	.01	2	.78	.04	.13	1	10
89-5 55-65	1	155	573	306	1.3	41	25	2115	5.35	3	5	ND	1	9	2	2	2	109	.32	.098	2	181	4.76	10	.05	2	4.64	.01	.04	1	1
89-5 65-75	2	201	25	258	.8	9	15	648	4.71	16	5	ND	1	12	1	2	2	29	.15	.088	4	6	1.96	24	.01	3	2.47	.03	.12	1	37
STD C/AU-R	19	62	40	133	7.4	73	31	1038	4.11	42	21	8	39	52	20	16	23	64	.45	.090	42	55	.93	181	.08	38	2.05	.06	.14	13	530

## GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: Core AU\* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUL 18 1989

DATE REPORT MAILED: July 21/89

SIGNED BY: *C. Long* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

CASTLE MINERALS INC.

File # 89-2235

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
89-5 5-15	1	113	20	62	.5	7	13	929	5.01	10	5	ND	1	15	1	2	2	25	.14	.090	2	3	2.13	44	.10	2	2.19	.03	.10	1	3
89-5 15-25	1	134	38	61	1.7	16	16	1049	4.40	7	5	ND	1	14	1	2	2	40	.18	.075	2	42	2.64	34	.12	2	2.56	.03	.07	1	5
89-5 25-35	1	127	15	80	.3	41	30	1150	4.92	4	5	ND	1	41	1	2	2	117	.90	.088	3	202	4.59	4	.20	2	4.41	.01	.01	1	1
89-5 35-45	1	115	32	60	.8	37	24	650	4.54	8	5	ND	1	34	1	2	2	85	.50	.090	2	147	3.23	19	.10	3	3.00	.01	.06	1	4
89-5 45-55	3	69	20	10	2.4	11	17	57	4.22	17	5	ND	1	16	1	3	2	9	.15	.077	2	8	.15	29	.01	2	.78	.04	.13	1	10
89-5 55-65	1	155	573	306	1.3	41	25	2115	5.35	3	5	ND	1	9	2	2	2	109	.32	.098	2	181	4.76	10	.05	2	4.64	.01	.04	1	1
89-5 65-75	2	201	25	258	.8	9	15	648	4.71	16	5	ND	1	12	1	2	2	29	.15	.088	4	6	1.96	24	.01	3	2.47	.03	.12	1	37
STD C/AU-R	19	62	40	133	7.4	73	31	1038	4.11	42	21	8	39	52	20	16	23	64	.45	.090	42	55	.93	181	.08	38	2.05	.06	.14	13	530

## GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: P1 CORE P2 SLUDGE AU\* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUL 18 1989

DATE REPORT MAILED:

July 25/89

SIGNED BY:

C. Leong

D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

CASTLE MINERALS INC.

File # 89-2237

Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
89-2 192	13	13	12	5	.3	28	.1	108	1.19	21	5	ND	1	1	1	4	2	28	.34	.150	6	33	.01	13	.01	2	.02	.01	.03	9	11
89-4 14-24	2	36	14	104	.1	5	8	859	7.13	117	5	ND	3	20	1	2	2	28	.34	.150	6	3	.74	27	.03	3	3.22	.02	.16	1	185
89-4 24-34	1	60	18	141	.2	9	13	1135	6.85	9	5	ND	2	18	1	4	2	52	.25	.083	4	6	1.41	33	.03	5	3.87	.01	.10	1	600
89-4 34-44	1	63	37	211	.1	10	16	2226	6.94	8	5	ND	2	32	1	4	2	100	.46	.116	3	8	2.08	27	.07	4	4.82	.05	.08	1	6
89-4 44-54	1	102	34	213	.3	10	23	2290	7.08	12	5	ND	1	15	2	6	2	86	.33	.088	2	7	2.21	29	.08	2	4.62	.02	.09	1	18
89-4 54-64	1	56	41	171	.1	9	17	2044	5.34	11	5	ND	1	16	1	2	2	65	.37	.093	3	5	1.94	42	.09	2	3.74	.03	.14	1	4
89-4 64-74	1	86	14	123	.1	7	14	1544	5.22	3	5	ND	2	17	1	4	2	43	.90	.070	4	4	1.53	40	.05	2	3.24	.02	.16	1	1
89-4 74-84	1	50	11	117	.3	9	14	1427	4.66	15	5	ND	2	10	1	5	2	36	.33	.078	3	4	1.61	34	.06	2	3.03	.02	.15	1	3
89-4 84-94	1	113	11	144	.3	8	16	1690	5.28	8	5	ND	1	15	1	2	2	48	1.33	.076	3	4	1.59	37	.06	2	3.35	.02	.17	1	3
89-4 94-104	1	70	11	137	.1	7	16	1646	5.51	8	5	ND	1	11	1	2	2	41	1.33	.072	2	3	1.39	30	.06	2	3.07	.02	.14	1	2
89-4 104-114	1	49	8	142	.2	7	21	1406	5.26	4	5	ND	1	9	1	2	2	32	.57	.078	2	3	1.47	32	.05	2	2.95	.01	.17	1	4
89-4 114-124	1	28	10	125	.2	6	12	1084	3.02	5	5	ND	1	37	1	4	2	30	1.26	.074	2	2	1.75	30	.09	2	2.31	.03	.10	1	2
89-4 124-134	1	24	6	111	.1	4	12	1070	3.08	2	5	ND	1	37	1	2	2	29	1.72	.073	2	2	1.67	44	.10	2	2.25	.03	.12	2	1
89-4 134-144	1	23	6	119	.1	5	11	1113	2.92	6	5	ND	1	35	1	2	2	25	1.22	.073	2	2	1.56	57	.07	2	2.07	.02	.11	1	3
STD C/AU-R	18	58	38	132	6.8	69	31	1024	3.95	42	20	7	36	48	19	14	22	61	.47	.097	38	53	.93	172	.07	35	1.98	.06	.13	11	490

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
DDH#4 15-20 A	3	94	12	135	.1	9	13	813	6.99	20	5	ND	4	34	1	2	2	24	.37	.114	10	4	.60	84	.03	2	2.94	.01	.13	5	11
DDH#4 20-25 A	3	96	11	94	.1	8	9	668	7.26	16	5	ND	4	27	1	2	2	21	.35	.136	10	5	.51	62	.02	2	2.88	.02	.15	7	8
DDH#4 15-20 E	2	89	12	144	.1	9	14	836	7.49	16	5	ND	4	37	2	2	2	24	.42	.117	10	5	.61	97	.03	2	3.19	.02	.13	2	6
DDH#4 20-25 B	4	105	12	99	.1	10	9	690	7.05	11	5	ND	4	33	1	2	2	22	.36	.132	10	6	.47	84	.02	2	2.94	.02	.22	11	3

## GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO<sub>3</sub>-H<sub>2</sub>O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: Core AU\* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUN 29 1989

DATE REPORT MAILED:

July 3/89

SIGNED BY: *C. Long* ... D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

CASTLE MINERALS LTD.

File # 89-1855

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Tl %	B PPM	Al %	Na %	K %	W PPM	AU* PPB
89-2 3-12	1	101	16	137	.1	7	11	1055	3.60	2	5	ND	1	52	1	2	3	92	.65	.062	3	10	1.07	254	.17	11	2.02	.05	.64	1	18
89-2 12-20	3	87	17	169	.1	6	13	1156	2.96	4	5	ND	1	41	1	2	2	49	.49	.058	4	20	1.06	68	.07	13	1.67	.02	.12	1	5
89-2 20-27	3	41	11	140	.1	8	13	1182	2.71	2	5	ND	1	49	1	2	2	48	.61	.063	4	9	.93	74	.06	5	1.62	.02	.13	1	5
89-2 27-31.5	1	72	16	149	.1	8	14	1583	4.67	2	5	ND	1	11	1	2	2	58	.49	.052	5	12	1.38	35	.01	3	2.26	.01	.13	1	2
89-2 31.5-42	4	64	12	101	.2	6	9	853	2.53	2	5	ND	1	21	1	2	3	31	.20	.028	5	8	.76	91	.02	7	1.40	.02	.12	1	3
89-2 42-52	1	74	10	80	.1	5	6	728	2.32	2	5	ND	1	31	1	2	2	30	.55	.041	7	20	.58	132	.03	12	1.18	.02	.13	1	6
89-2 52-62	2	35	11	40	.1	5	3	451	.90	6	5	ND	1	29	1	2	2	5	.45	.027	7	5	.18	116	.01	4	.58	.02	.13	3	4
89-2 62-72	2	37	10	40	.2	4	3	389	.88	5	5	ND	1	33	1	2	2	6	.53	.036	6	6	.21	137	.01	4	.62	.02	.11	3	12
89-2 72-82	2	42	6	36	.2	4	3	349	.81	2	5	ND	1	35	1	2	2	4	.72	.034	6	5	.13	203	.01	3	.49	.02	.12	1	8
89-2 82-92	2	41	11	40	.1	4	3	380	.91	7	5	ND	2	27	1	2	2	5	.44	.035	8	18	.15	119	.01	6	.55	.02	.12	3	139
89-2 92-102	3	37	11	41	.4	5	3	417	.99	5	5	ND	2	29	1	3	2	4	.40	.032	9	5	.13	168	.01	9	.54	.02	.12	3	10
89-2 102-112	3	62	10	36	.3	6	3	394	.91	5	5	ND	2	36	1	2	2	4	.40	.032	7	7	.14	178	.01	9	.57	.02	.14	3	16
89-2 112-122	6	30	7	42	.3	6	3	528	.97	3	5	ND	2	19	1	2	2	3	.36	.036	9	7	.11	98	.01	10	.49	.02	.14	3	4
89-2 122-132	1	73	8	30	.1	3	2	491	.83	2	5	ND	1	55	1	3	2	3	1.31	.034	7	22	.10	104	.01	7	.44	.02	.14	1	13
89-2 132-142	2	77	7	40	.3	4	3	444	.80	3	5	ND	2	42	1	2	2	3	.90	.045	7	5	.15	87	.01	7	.51	.02	.12	1	5
STD C/AU-R	18	60	43	132	6.9	71	31	1015	4.09	41	22	7	37	50	19	15	21	60	.49	.093	39	55	.84	183	.07	38	1.96	.06	.13	12	490



## GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO<sub>3</sub>-H<sub>2</sub>O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR NG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: Core AU\* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUN 29 1989

DATE REPORT MAILED: July 3/89

SIGNED BY: *C. Leong* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

CASTLE MINERALS LTD.

File # 89-1855

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	AU* PPB
89-2 3-12	1	101	16	137	.1	7	11	1055	3.60	2	5	ND	1	52	1	2	3	92	.65	.062	3	10	1.07	254	.17	11	2.02	.05	.64	1	18
89-2 12-20	3	87	17	169	.1	6	13	1156	2.96	4	5	ND	1	41	1	2	2	49	.49	.058	4	20	1.06	68	.07	13	1.67	.02	.12	1	5
89-2 20-27	3	41	11	140	.1	8	13	1182	2.71	2	5	ND	1	49	1	2	2	48	.61	.063	4	9	.93	74	.06	5	1.62	.02	.13	1	5
89-2 27-31.5	1	72	16	149	.1	8	14	1583	4.67	2	5	ND	1	11	1	2	2	58	.49	.052	5	12	1.38	35	.01	3	2.26	.01	.13	1	2
89-2 31.5-42	4	64	12	101	.2	6	9	853	2.53	2	5	ND	1	21	1	2	3	31	.20	.028	5	8	.76	91	.02	7	1.40	.02	.12	1	3
89-2 42-52	1	74	10	80	.1	5	6	728	2.32	2	5	ND	1	31	1	2	2	30	.55	.041	7	20	.58	132	.03	12	1.18	.02	.13	1	6
89-2 52-62	2	35	11	40	.1	5	3	451	.90	6	5	ND	1	29	1	2	2	5	.45	.027	7	5	.18	116	.01	4	.58	.02	.13	3	4
89-2 62-72	2	37	10	40	.2	4	3	389	.88	5	5	ND	1	33	1	2	2	6	.53	.036	6	6	.21	137	.01	4	.62	.02	.11	3	12
89-2 72-82	2	42	6	36	.2	4	3	349	.81	2	5	ND	1	35	1	2	2	4	.72	.034	6	5	.13	203	.01	3	.49	.02	.12	1	8
89-2 82-92	2	41	11	40	.1	4	3	380	.91	7	5	ND	2	27	1	2	2	5	.44	.035	8	18	.15	119	.01	6	.55	.02	.12	3	139
89-2 92-102	3	37	11	41	.4	5	3	417	.99	5	5	ND	2	29	1	3	2	4	.40	.032	9	5	.13	168	.01	9	.54	.02	.12	3	10
89-2 102-112	3	62	10	36	.3	6	3	394	.91	5	5	ND	2	36	1	2	2	4	.40	.032	7	7	.14	178	.01	9	.57	.02	.14	3	16
89-2 112-122	6	30	7	42	.3	6	3	528	.97	3	5	ND	2	19	1	2	2	3	.36	.036	9	7	.11	98	.01	10	.49	.02	.14	3	4
89-2 122-132	1	73	8	30	.1	3	2	491	.83	2	5	ND	1	55	1	3	2	3	1.31	.034	7	22	.10	104	.01	7	.44	.02	.14	1	13
89-2 132-142	2	77	7	40	.3	4	3	444	.80	3	5	ND	2	42	1	2	2	3	.90	.045	7	5	.15	87	.01	7	.51	.02	.12	1	5
STD C/AU-R	18	60	43	132	6.9	71	31	1015	4.09	41	22	7	37	50	19	15	21	60	.49	.093	39	55	.84	183	.07	38	1.96	.06	.13	12	490

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: Core AU\* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUL 4 1989 DATE REPORT MAILED: *July 7/89* SIGNED BY: *C. Long* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

CASTLE MINERAL INC File # 89-1899

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
89-2 142-152	4	36	7	35	.1	6	2	348	.66	2	8	ND	1	26	1	3	4	3	.26	.033	6	7	.11	84	.01	4	.44	.02	.12	3	6
89-2 152-162	3	26	11	38	.1	4	3	421	.80	4	7	ND	2	28	1	2	2	5	.22	.031	7	22	.12	106	.01	5	.64	.02	.14	4	2
89-2 162-172	5	49	12	46	.3	6	3	528	.98	28	5	ND	3	20	1	3	2	5	.51	.033	10	6	.09	112	.01	12	.57	.02	.14	3	5
89-2 172-182	4	31	13	48	.2	7	2	406	.84	7	5	ND	1	33	1	3	2	5	.42	.036	8	8	.15	102	.01	5	.67	.03	.16	1	2
89-2 182-187	2	23	10	40	.1	6	3	359	.70	2	5	ND	1	42	1	2	3	4	.80	.035	8	6	.15	90	.01	5	.57	.03	.13	1	2
89-3 10-16	1	42	12	70	.1	6	8	710	2.27	2	5	ND	1	52	1	2	4	42	1.07	.053	7	28	.70	92	.06	8	1.33	.05	.19	1	2
89-3 16-27	1	86	16	105	.2	5	8	1117	2.67	2	5	ND	1	51	1	2	3	64	.62	.053	6	9	.90	288	.17	11	1.98	.09	.91	1	1
89-3 27-33	2	60	22	99	.1	7	8	945	2.11	2	5	ND	1	34	1	2	2	38	.65	.054	6	11	.81	105	.09	2	1.57	.05	.35	1	7
89-3 33-43	1	47	24	150	.1	8	10	1257	2.75	2	5	ND	1	33	1	2	2	47	.73	.058	6	11	1.19	92	.09	4	1.87	.04	.32	1	3
89-3 43-53	1	56	12	77	.4	5	9	864	2.71	2	7	ND	2	89	1	2	2	70	1.00	.061	6	22	.90	366	.16	8	1.99	.11	.59	1	2
89-3 53-63	2	53	20	108	.2	6	10	833	2.56	2	5	ND	1	55	1	2	3	62	.82	.070	5	11	.99	211	.14	5	1.74	.07	.41	1	3
89-3 63-73	2	47	72	133	.1	5	6	638	1.97	2	5	ND	1	38	1	2	2	29	.61	.043	6	7	.54	198	.08	2	1.02	.04	.27	1	9
89-3 73-83	2	12	8	45	.1	3	3	463	.91	2	5	ND	2	36	1	2	2	6	.36	.032	7	6	.23	80	.01	9	.78	.03	.13	2	2
89-3 83-93	2	13	5	39	.1	4	3	456	.85	3	5	ND	2	34	1	2	2	5	.59	.032	8	6	.19	82	.01	12	.73	.03	.14	1	1
89-3 93-103	2	17	8	33	.2	3	3	292	.69	2	5	ND	2	50	1	2	2	4	.31	.035	5	5	.14	156	.02	14	.61	.04	.15	3	2
89-3 103-113	3	22	7	41	.1	5	3	400	.82	2	5	ND	1	44	1	2	2	4	.39	.031	5	6	.17	140	.02	2	.63	.04	.15	1	3
89-3 113-123	3	47	7	42	.1	5	2	453	.93	2	5	ND	1	32	1	2	3	4	.45	.035	8	10	.16	147	.01	10	.64	.04	.15	2	46
89-3 123-133	4	74	6	38	.1	5	2	554	.94	3	5	ND	1	37	1	2	2	4	.80	.036	9	6	.13	98	.01	20	.53	.03	.15	1	41
89-3 133-143	1	68	6	34	.1	2	3	354	.73	4	5	ND	1	47	1	2	2	4	.92	.039	8	4	.15	222	.01	2	.52	.02	.11	1	10
89-3 143-153	2	66	6	33	.1	5	3	317	.74	2	5	ND	1	55	1	2	2	4	.92	.036	8	7	.14	253	.01	7	.57	.03	.13	1	2
89-3 153-160	1	81	6	40	.4	3	3	359	.75	2	5	ND	3	41	1	2	2	4	.53	.041	7	5	.17	82	.01	11	.60	.03	.13	1	7
STD C/AU-R	18	59	44	132	7.2	69	31	1020	4.04	42	19	7	37	50	18	15	24	60	.47	.091	39	55	.82	182	.07	35	1.93	.06	.14	11	520

## GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: Core AU\* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUL 4 1989

DATE REPORT MAILED: July 7/89

SIGNED BY: *C. Long* D. TOYR, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

CASTLE MINERAL INC

File # 89-1899

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	V PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
89-2 142-152	4	36	7	35	.1	6	2	348	.66	2	8	ND	1	25	1	3	4	3	.26	.033	6	7	.11	84	.01	4	.44	.02	.12	3	6
89-2 152-162	3	26	11	38	.1	4	3	421	.80	4	7	ND	2	28	1	2	2	5	.22	.031	7	22	.12	106	.01	5	.64	.02	.14	4	2
89-2 162-172	5	49	12	46	.3	6	3	528	.98	28	5	ND	3	20	1	3	2	5	.51	.033	10	6	.09	112	.01	12	.57	.02	.14	3	5
89-2 172-182	4	31	13	48	.2	7	2	406	.84	7	5	ND	1	33	1	3	2	5	.42	.036	8	8	.15	102	.01	5	.67	.03	.16	1	2
89-2 182-187	2	23	10	40	.1	6	3	359	.70	2	5	ND	1	42	1	2	3	4	.80	.035	8	6	.15	90	.01	5	.57	.03	.13	1	2
89-3 10-16	1	42	12	70	.1	6	8	710	2.27	2	5	ND	1	52	1	2	4	42	1.07	.053	7	28	.70	92	.06	8	1.33	.05	.19	1	2
89-3 16-27	1	86	16	105	.2	5	8	1117	2.67	2	5	ND	1	51	1	2	3	64	.62	.053	6	9	.90	288	.17	11	1.98	.09	.91	1	1
89-3 27-33	2	60	22	99	.1	7	8	945	2.11	2	5	ND	1	34	1	2	2	38	.65	.054	6	11	.81	105	.09	2	1.57	.05	.35	1	7
89-3 33-43	1	47	24	150	.1	8	10	1257	2.75	2	5	ND	1	33	1	2	2	47	.73	.058	6	11	1.19	92	.09	4	1.87	.04	.32	1	3
89-3 43-53	1	56	12	77	.4	5	9	864	2.71	2	7	ND	2	89	1	2	2	70	1.00	.061	6	22	.90	366	.16	8	1.99	.11	.59	1	2
89-3 53-63	2	53	20	108	.2	6	10	833	2.56	2	5	ND	1	55	1	2	3	62	.82	.070	5	11	.99	211	.14	5	1.74	.07	.41	1	3
89-3 63-73	2	47	72	133	.1	5	6	638	1.97	2	5	ND	1	38	1	2	2	29	.61	.043	6	7	.54	198	.08	2	1.02	.04	.27	1	9
89-3 73-83	2	12	8	45	.1	3	3	463	.91	2	5	ND	2	36	1	2	2	6	.36	.032	7	6	.23	80	.01	9	.78	.03	.13	2	2
89-3 83-93	2	13	5	39	.1	4	3	456	.85	3	5	ND	2	34	1	2	2	5	.59	.032	8	6	.19	82	.01	12	.73	.03	.14	1	1
89-3 93-103	2	17	8	33	.2	3	3	292	.69	2	5	ND	2	50	1	2	2	4	.31	.035	5	5	.14	156	.02	14	.61	.04	.15	3	2
89-3 103-113	3	22	7	41	.1	5	3	400	.82	2	5	ND	1	44	1	2	2	4	.39	.031	5	6	.17	140	.02	2	.63	.04	.15	1	3
89-3 113-123	3	47	7	42	.1	5	2	453	.93	2	5	ND	1	32	1	2	3	4	.45	.035	8	10	.16	147	.01	10	.64	.04	.15	2	46
89-3 123-133	4	74	6	38	.1	5	2	554	.94	3	5	ND	1	37	1	2	2	4	.80	.036	9	6	.13	98	.01	20	.53	.03	.15	1	41
89-3 133-143	1	68	6	34	.1	2	3	354	.73	4	5	ND	1	47	1	2	2	4	.92	.039	8	4	.15	222	.01	2	.52	.02	.11	1	10
89-3 143-153	2	66	6	33	.1	5	3	317	.74	2	5	ND	1	55	1	2	2	4	.92	.036	8	7	.14	253	.01	7	.57	.03	.13	1	2
89-3 153-160	1	81	6	40	.4	3	3	359	.75	2	5	ND	3	41	1	2	2	4	.53	.041	7	5	.17	82	.01	11	.60	.03	.13	1	7
STD C/AU-R	18	59	44	132	7.2	69	31	1020	4.04	42	19	7	37	50	18	15	24	60	.47	.091	39	55	.82	182	.07	35	1.93	.06	.14	11	520

**GEOCHEMICAL ANALYSIS CERTIFICATE**

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: CRUSHED ROCK AU\* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: MAY 25 1989 DATE REPORT MAILED: *May 31/89* SIGNED BY: *C. Long* . D.TOYE. C.LEONG. J.WANG: CERTIFIED B.C. ASSAYERS

ARCHEAN ENGINEERING LTD. File # 89-1226

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
CRUSHED ROCK SAMPLE	10	469	32	168	1.4	44	24	547	5.70	8	5	ND	2	35	1	8	2	25	.17	.067	3	18	1.15	29	.01	2	2.02	.04	.17	472	120

GEOCHEMICAL ANALYSIS CERTIFICATE

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DATE RECEIVED: MAY 25 1989 DATE REPORT MAILED: *May 31/89* SIGNED BY: *C. Long* D. TOYE, C. LEONG, J. WANG: CERTIFIED B.C. ASSAYERS

ARCHEAN ENGINEERING LTD. File # 89-1226

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
CRUSHED ROCK SAMPLE	10	469	32	168	1.4	44	24	547	5.70	8	5	ND	2	35	1	8	3	25	.17	.067	3	18	1.15	29	.01	2	2.02	.04	.17	472	120

**GEOCHEMICAL ANALYSIS CERTIFICATE**

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR NG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: CRUSHED ROCK AU\* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: MAY 25 1989 DATE REPORT MAILED: *May 31/89* SIGNED BY: *C. Long* .D.TOYE. C.LEONG. J.WANG: CERTIFIED B.C. ASSAYERS

ARCHEAN ENGINEERING LTD. File # 89-1226

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
CRUSHED ROCK SAMPLE	10	469	32	168	1.4	44	24	547	5.70	8	5	ND	2	35	1	8	3	25	.17	.067	3	18	1.15	29	.01	2	2.02	.04	.17	472	120

## GEOCHEMICAL ANALYSIS CERTIFICATE

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 - SAMPLE TYPE: Core AU\* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUN 7 1989

DATE REPORT MAILED: June 12/89

SIGNED BY: *C. Long* D. TOYE, C. LEONG, J. WANG: CERTIFIED B.C. ASSAYERS

CASTLE MINERALS INC. PROJECT WREN CLAIMS File # 89-1369

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
801	2	211	16	201	.3	8	13	825	4.15	2	5	ND	2	23	1	2	2	41	.21	.074	4	10	2.55	135	.01	2	3.50	.03	.10	1	45
802	1	169	12	215	.2	15	17	958	4.91	2	5	ND	1	26	1	2	2	59	.45	.074	5	21	3.22	205	.03	2	4.55	.03	.09	1	34
803	1	193	10	188	.3	2	8	225	2.98	7	5	ND	1	12	1	2	2	21	.16	.073	2	1	.99	71	.01	2	1.75	.04	.23	1	54
804	2	173	10	100	.1	6	8	307	3.44	4	5	ND	1	14	1	2	2	33	.11	.066	2	5	1.21	86	.01	2	2.31	.05	.31	1	48
805	3	214	10	100	.2	3	12	645	3.63	6	5	ND	2	19	1	2	2	20	.20	.081	4	1	1.59	88	.01	2	2.34	.04	.17	1	43
806	1	121	30	102	.4	27	24	1143	3.58	8	5	ND	1	67	1	3	2	59	2.15	.064	4	57	3.47	79	.12	2	4.01	.01	.04	1	14
807	1	151	12	169	.2	5	9	983	3.97	6	5	ND	2	36	1	3	2	34	.22	.080	10	3	2.48	119	.01	2	3.78	.06	.19	1	19
STD C/AU-R	18	63	41	132	6.6	73	31	1022	3.83	42	22	7	37	51	19	15	19	59	.47	.090	38	56	.88	173	.07	35	1.83	.06	.13	13	490

## GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: Core AU\* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUN 7 1989

DATE REPORT MAILED: June 12/89

SIGNED BY: *C. Long* . . . D. TOYE, C. LEONG, J. WANG: CERTIFIED B.C. ASSAYERS

CASTLE MINERALS INC. PROJECT WREN CLAIMS File # 89-1369

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	AU*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
801	2	211	15	201	.3	8	12	825	4.18	2	5	ND	2	23	1	2	2	41	.21	.074	4	10	2.55	135	.01	2	3.50	.03	.10	1	45
802	1	159	12	215	.2	15	17	958	4.91	2	5	ND	1	26	1	2	2	59	.45	.074	5	21	3.22	205	.03	2	4.55	.03	.09	1	34
803	1	193	10	188	.3	2	8	225	2.99	7	5	ND	1	12	1	2	2	21	.16	.073	2	1	.99	71	.01	2	1.75	.04	.23	1	54
804	2	173	10	180	.1	6	8	307	3.44	4	5	ND	1	14	1	2	2	33	.11	.066	2	5	1.21	86	.01	2	2.31	.05	.31	1	48
805	3	214	10	100	.2	3	12	645	3.63	6	5	ND	2	19	1	2	2	20	.20	.081	4	1	1.59	88	.01	2	2.34	.04	.17	1	43
806	1	121	30	102	.4	27	24	1143	3.58	8	5	ND	1	67	1	3	2	59	2.15	.064	4	57	3.47	79	.12	2	4.01	.01	.04	1	14
807	1	151	12	169	.2	5	9	983	3.97	6	5	ND	2	36	1	3	2	34	.22	.080	10	3	2.48	118	.01	2	3.78	.06	.19	1	19
STD C/AU-R	18	63	41	132	6.6	73	31	1022	3.83	42	22	7	37	51	19	15	18	59	.47	.090	38	56	.88	173	.07	35	1.83	.06	.13	13	490



GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: CUTTING AU\* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: MAY 29 1989

DATE REPORT MAILED: June 1/89

SIGNED BY: *C. Long* D.TOYE, C.LEONG, J.WANG: CERTIFIED B.C. ASSAYERS

CASTLE MINERAL INC. File # 89-1242

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Ti	B	Al	Na	K	W	Au*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
89-1 70'	5	771	22	170	1.3	50	34	592	8.05	2	5	ND	1	56	1	3	2	30	.29	.095	3	20	1.18	7	.01	12	1.91	.05	.16	488	102
89-1 90'	11	625	13	194	.2	63	27	614	6.48	6	5	ND	1	36	1	4	2	24	.22	.075	2	14	1.01	15	.01	2	1.66	.04	.15	722	140

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DATE RECEIVED: MAY 29 1989 DATE REPORT MAILED: *June 1/89* SIGNED BY: *C. Leung* D.TOYE, C.LEONG, J.WANG: CERTIFIED B.C. ASSAYERS

CASTLE MINERAL INC. File # 89-1242

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
89-1 70'	9	771	22	170	1.3	50	34	592	8.05	2	5	ND	1	56	1	3	2	30	.29	.085	3	20	1.18	7	.01	12	1.91	.05	.16	488	102
89-1 90'	11	525	13	194	.2	63	27	614	6.48	6	5	ND	1	36	1	4	2	24	.22	.075	2	14	1.01	15	.01	2	1.66	.04	.15	722	140

## GEOCHEMICAL ANALYSIS CERTIFICATE

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DATE RECEIVED: JUL 12 1989

DATE REPORT MAILED:

July 18/89

SIGNED BY.....D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

VANBRUGH MANAGEMENT LTD

File # 89-2109

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
ROCK SAMPLE	57	992	8	76	1.4	36	37	553	38.78	2	5	ND	5	11	1	2	4	170	.05	.011	2	8	.81	28	.01	10	1.59	.02	.04	2	51

## GEOCHEMICAL ANALYSIS CERTIFICATE

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*July 18/89*SIGNED BY: *C. Long* . . . D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

VANBRUGH MANAGEMENT LTD

File # 89-2109

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB	
ROCK SAMPLE	57	992	8	76	1.4	36	37	553	38.78	2	5	ND	5	11	1	2	4	170	.05	.011	2	8	.81	28	.01	10	1.59	.02	.04	2	51

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VANBRUGH MANAGEMENT LTD

File # 89-2109

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
ROCK SAMPLE	57	992	8	76	1.4	36	37	553	38.78	2	5	ND	5	11	1	2	4	170	.05	.011	2	8	.81	28	.01	10	1.59	.02	.04	2	51