

MineQuest Report No. 243
Ref.: RM1013

LOG NO: 11-30 RB

ACTION:

FILE NO:

KEN CLAIMS

PRELIMINARY GEOCHEMISTRY

AUGUST-NOVEMBER, 1990

South Central British Columbia
Nicola Mining Division

SUB-RECORDER
RECEIVED

NOV 27 1990

M.R. # \$
VANCOUVER, B.C.

NTS 92H/15

Latitude 49° 54' N

Longitude 120° 35' W

UTM 673000 m. E. 5530000 m. N

by

by A.W. Gourlay

of

MineQuest Exploration Associates Ltd.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,551

<u>Claim Name</u>	<u>Record Number</u>	<u>Units</u>	<u>Record Date</u>
KEN	2247	16	Aug. 19'89
AL 1	2246	12	Aug. 31'89
AL 2	2248	14	Aug. 31'89
AL 3	2245	20	Sep. 1'89
AL 4	2257	1	Sep. 23'89
LEY 1	2309	12	Dec. 10'89
LEY 2	2310	2	Dec. 10'89
LEY 3	2327	16	Feb. 8'90

Vancouver, B.C.

November, 1990

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1.0

INTRODUCTION

This report presents the results of preliminary rock chip sampling carried out on the Ken Claims during the summer and fall of 1990.

1.1 Location, Access, and Topography

The Ken Claims are located 150 kilometres northeast of Vancouver and 30 kilometres southeast of Merritt, in south central British Columbia (Figure 1). The claims are situated within National Topographic System area 92H/15W and are centred at approximately 49°54'N latitude and 120°35'W longitude.

Access to the claims is by road from Merritt. The claims are crossed by a network of forestry and secondary gravel roads, and numerous abandoned logging trails.

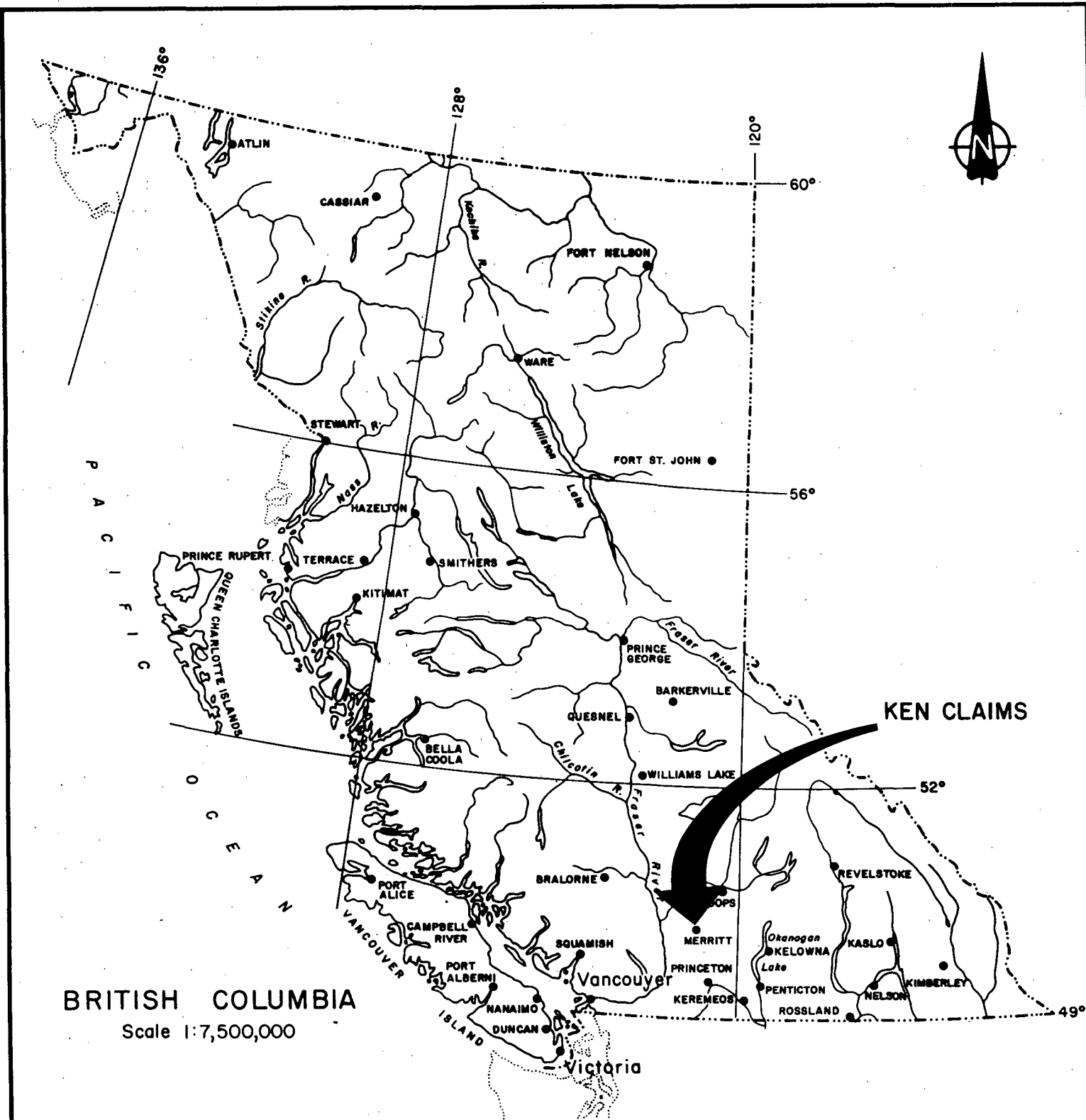
Relief within the property is about 275 metres from Alleyne Lake (1005 m) to the high ground (1280 m) at Fairweather Hills. The property covers grassland and open deciduous forest, with local thickets of dense scrub. The area has been selectively logged, and is used as rangeland.

There are several ponds and lakes that may be used as a source of water for drilling.

1.2 Property Definition and History

The discovery of the Mt. Milligan deposit prompted a literature review of existing copper porphyry belts, and in early 1989 Mr. George Vernon recognized the opportunity to acquire a ground position in the Aspen Grove area.

The prospective ground was open at the that time and the Ken Claims, and adjoining ground, was staked by MineQuest Exploration Associates Ltd. in conjunction with Mr. Vernon during 1989 and 1990.



KEN CLAIMS			
LOCATION MAP			
Originator	Drawn c.d.	Plan No.	FIG. 1
Revised	Date Oct.'90	NTS	

Although the Aspen Grove camp has been explored since the turn of the century, most reports of work on the Ken Claims date from the 1950's to the present (MinFile References, Appendix I). Previous work was centred on several limited areas, and the drilling reported has been restricted to the margins of what appears to be the centre of the mineralized belt.

1.3 Claim Status

The claims listed below are in good standing as of November 15th, 1990, and are held by MineQuest Exploration Associates Ltd.

<u>Claim Name</u>	<u>Record Number</u>	<u>Units</u>	Due Date (assuming acceptance) of <u>this report</u>
KEN	2247	16	Aug. 19, 1992
AL 1	2246	12	Aug. 31, 1991
Al 2	2248	14	Aug. 31, 1991
Al 3	2245	20	Sept. 1, 1991
Al 4	2257	1	Sept. 23, 1991
LEY 1	2309	12	Dec. 10, 1991
LEY 2	2310	2	Dec. 10, 1991
LEY 3	2327	16	Feb. 8, 1992

1.4 Summary of Work Done - Current Program

Work carried out in this exploration program consisted of rock chip sampling. The work took place from August 22 to August 29, and November 11 and 12, 1990.

The rock samples were collected by G. Vernon and A.W. Gourlay. The program was under the direction of A.W. Gourlay.

2.0

GEOLOGY

2.1 Regional Geology

The claims fall within the Nicola Group of upper Triassic volcanic, sedimentary, and intrusive rocks, as mapped by Preto (1979). The Nicola Group and lateral equivalents extend from the British Columbia - Washington border north, through the Quesnel Belt, to the British Columbia - Yukon border.

The Nicola Group is dominantly calc-alkaline to alkaline volcanic rocks and related sediments, and coeval alkaline intrusives. In the Aspen Grove area the distribution of belts within the Nicola Group rocks is controlled by north-northwest trending faults; the Allison Fault to the west and the Kentucky - Alleyne Fault on the east. Preto (1979) defined a Western Belt composed of calc-alkaline flows and tuffs, a Central belt dominated by alkaline to calc-alkaline volcanics and intrusives with minor sedimentary rocks, and an Eastern Belt consisting of sediments, tuffs, and alkaline flows.

While copper sulphides are found throughout the lithologies of the Central Belt, the occurrences of greatest potential are closely related to intrusives and breccias.

2.2 Property Geology

The claims lie within the Central Belt of alkaline to calc-alkaline volcanic rocks and intrusive equivalents.

The claims were not geologically mapped during this phase of work. However, diorite intrusives were noted on the north boundary of the AL 2 claim at approximately 3N 2E, and in the central portion of the AL 3 claim. Extensive outcrops of massive to crudely bedded lahar are found on Fairweather Hills, and the remainder of the property appears to be underlain by assorted volcanic tuffs and sedimentary equivalents.

3.0

RESULTS

Three areas of anomalous copper in rocks were identified by the preliminary sampling.

At the north boundary of the Al 1 claim, at approximately 3N 2E, samples ASG 90103 and 90104 returned 33028 and 30047 ppm Copper, and 13 and 8 ppb gold respectively. These are grab samples from old pits or trenches, and are composed of malachite bearing diorite or diorite breccia, and diorite bearing lahars.

On Al 2 claim, sample AL 90001 returned 14309 ppm copper and 1 ppb gold from an area of abundant angular diorite float.

Along the south boundary of the KEN claim, 4283 and 7133 ppm copper were returned from samples KN 90008 and 90009, respectively. Both samples returned 5 ppb gold. Sample Kn 90007 produced 7946 ppm copper and 19 ppb gold. The area is underlain by diorite, diorite breccia, or a fragmental equivalent.

4.0

CONCLUSIONS

- 1) The property is underlain by volcanic and intrusive rocks of the Triassic Nicola Group.
- 2) The anomalous copper values returned from limited rock sampling are associated with diorite, and brecciated or fragmental equivalents.
- 3) The anomalous samples appear to be associated with magnetic highs (as marked on government aeromagnetic maps) in the north central and south central portions of the claims.
- 4) The following features suggest that the Ken Claims are prospective for copper-gold porphyry mineralization:
 - i) The association of copper values approaching economic grades with diorite intrusive rocks (with weakly anomalous gold values).
 - ii) The association of diorite intrusive rocks with regional magnetic highs.
 - iii) The K-spar alteration of diorite fragments in rock samples that returned encouraging copper values.

5.0

RECOMMENDATIONS

- 1) The property should be geologically mapped, prospected, and sampled at a scale of 1:10,000 or 1:5,000.
- 2) The property should be covered by an Induced Polarization survey, on east - west grid lines spaced 400 m apart.
- 3) Rock samples should be cut and stained to determine the distribution of potassic (K-spar) alteration.
- 4) All old workings, trenches, drill holes, etc. should be accurately located.

6.0

BIBLIOGRAPHY

Preto, V.A., 1979
Geology of the Nicola Group between Merritt and
Princeton
B.C.M.E.M.P.R. Bulletin 69

Richards, J.B., 1990
Geological Report on the Ken Claims
Minequest Exploration Associates Ltd.
Report Number 237

For a list of applicable assessment reports see
Appendix I.

APPENDIX I

Minfile References

APPENDIX I

KEN CLAIMS

LIST OF PUBLISHED REPORTS

ASSESSMENT REPORTS			
ASSESSMENT REPORT NUMBER	MINFILE NUMBER TO WHICH REPORT APPLIES	YEAR OF REPORT	TYPE OF WORK
	Prefix: 92H/NE		
AR 161		1957	Ground Magnetometry
AR 856		1966	Ground Magnetometry
AR 1850	175		Ground Magnetometry
AR 1910	005, 004		Soil Geochemistry
AR 2028		1969	Ground Magnetometry Ground EM
AR 2468	005	1970	Soil Geochemistry Ground Magnetometry Ground EM
AR 2581	175	1970	Ground EM
AR 3051	005, 004	1971	Geology
AR 3637		1972	Ground Magnetometry
AR 3686	175	1972	Ground Magnetometry
AR 3687	005,004,109	1972	Soil Geochemistry
AR 3758	079,080,083 081,084,109	1972	Soil Geochemistry Ground Magnetometry
AR 3787	172	1972	Induced Polarization
AR 3788		1972	Gravity
AR 3789	109	1972	Soil Geochemistry Ground Magnetometry Diamond Drilling (14 holes) Gravity Induced Polarization
AR 4078	004	1972	Line Cutting
AR 4079	005, 004	1972	Ground Magnetometry

ASSESSMENT REPORTS			
AR 4081	087, 089	1972	Soil Geochemistry Ground Magnetometry
AR 4082	087, 089		Ground Magnetometry
AR 4087		1972	Soil Geochemistry
AR 4089		1972	Soil Geochemistry
AR 4474		1973	Ground EM
AR 6215	109	1977	Percussion Drilling (2 holes)
AR 6302	087, 089	1976	Soil Geochemistry Ground EM
AR 6642	109	1977	Percussion Drilling (2 holes)
AR 6761	177	1978	Soil Geochemistry Ground EM
AR 6821	166	1978	Soil Geochemistry Ground EM
AR 7029	083,084,172	1978	Ground EM
AR 7050	079,080,081 084,172	1978	Ground EM Ground Magnetometry
AR 7654	084, 172	1979	Diamond Drilling (2 holes)
AR 7679	087, 089	1979	Soil Geochemistry
AR 8522		1980	Soil Geochemistry Ground Magnetometry
AR 9250		1980	Induced Polarization
AR 9251		1980	Induced Polarization
AR 14141		1985	Soil Geochemistry Geology Rock Sampling
DOCUMENTS OTHER THAN ASSESSMENT REPORTS			
EMR MRD Corp File (Payco Mining Ltd.) by S.F. Kelly	172	1963	Trenching Diamond Drilling (8 holes)
No Report Found (Mentioned in AR7654)	084, 172	1978	Diamond Drilling (14 holes)

APPENDIX II

Laboratory Methods

APPENDIX II

Analytical Methods

The rock samples were shipped to Acme Analytical Laboratories Ltd., of Vancouver, B.C. The samples were crushed to less than 3/16 inch size, from which a 200 gram split was pulverized to 98% minus 100 mesh. A 0.50 gram sample was then subjected to a 30-element ICP (inductively coupled plasma) analytical technique, after digestion for one hour at 95° in 3:1:2-HCL:HNO₃:H₂O. In addition, gold contents were determined by MIBK extraction followed by atomic absorption analysis. The gold analyses used a 10 gram sample. It is important to note that for the ICP techniques the extraction process is only partial for several of the elements reported.

APPENDIX III

Laboratory Reports

GEOCHEMICAL ANALYSIS CERTIFICATE

Minequest Exploration PROJECT ASG-N File # 90-4158

500 - 164 Water St., Vancouver BC V6B 1B5

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	V	Au*
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppb	
KN-90-001	1	30	2	47	.1	1	7	468	2.09	20	5	ND	1	44	.2	2	2	108	3.51	166	10	6	.81	64	.14	7	.59	.08	.07	2	6
KN-90-002	2	1885	5	35	.5	43	19	456	1.71	60	5	ND	1	520	.3	2	4	71	4.61	175	4	34	.90	14	.21	7	1.50	.01	.01	1	4
KN-90-003	1	99	8	67	.2	21	17	888	5.47	2	5	ND	1	47	.2	4	2	126	2.25	172	8	34	2.19	50	.20	18	1.82	.06	.10	2	3
KN-90-004	1	29	3	49	.1	2	15	951	3.78	7	5	ND	1	48	.2	2	2	124	2.60	203	7	8	1.13	18	.16	12	1.97	.03	.04	1	1
KN-90-005	1	173	6	78	.3	6	17	1074	5.35	12	5	ND	1	60	.2	4	2	125	2.42	154	5	16	1.69	77	.22	17	2.50	.03	.09	1	6
KN-90-006	1	177	7	115	.1	66	24	1186	6.21	9	5	ND	1	69	.2	4	2	174	1.92	199	10	114	2.14	21	.18	9	2.77	.03	.06	1	1
KN-90-007	1	7946	9	52	6.5	2	16	1052	4.71	8	5	ND	1	60	.4	5	2	171	3.95	175	6	7	1.70	22	.19	23	3.80	.03	.04	1	19
KN-90-008	1	4283	2	65	2.7	4	20	1497	5.55	18	5	ND	1	51	.4	4	2	156	2.31	175	4	10	1.99	60	.23	14	2.81	.03	.07	1	5
KN-90-009	1	7133	6	66	6.2	3	17	1113	4.20	7	5	ND	1	58	1.2	5	2	144	3.34	174	5	8	1.57	31	.16	25	3.20	.03	.06	1	5
KN-90-010	1	55	5	94	.1	4	16	1035	3.76	7	5	ND	1	52	.2	2	2	112	2.29	189	5	7	1.50	56	.18	23	2.23	.03	.08	1	1
KN-90-011	1	203	4	83	.2	13	19	1077	5.18	2	5	ND	1	43	.2	3	2	153	1.99	165	5	27	1.80	83	.21	9	2.06	.04	.09	1	3
KN-90-012	1	107	5	47	.3	15	17	566	3.92	7	5	ND	1	144	.2	4	2	120	4.78	113	6	25	1.20	43	.17	135	2.86	.03	.02	2	1
KN-90-013	1	101	2	31	.2	8	9	646	2.52	9	5	ND	1	231	.2	3	2	94	5.03	111	4	16	.58	32	.22	74	1.58	.03	.02	1	1
KN-90-014	1	137	2	81	.2	4	18	1170	5.39	109	5	ND	1	26	.2	4	2	137	2.44	148	5	9	2.13	19	.23	22	3.09	.04	.04	1	2
KN-90-015	2	138	6	67	.1	9	17	982	5.05	14	5	ND	1	36	.2	3	2	137	3.70	150	4	12	1.60	18	.23	30	3.54	.04	.03	1	5
KN-90-016	1	117	2	70	.2	6	19	1011	4.34	27	5	ND	1	22	.2	4	2	160	3.31	181	8	10	1.48	14	.15	33	3.10	.03	.03	1	2
KN-90-017	1	126	3	84	.1	6	18	1256	5.47	53	5	ND	1	29	.2	5	2	145	2.53	147	5	9	2.04	35	.24	27	3.12	.04	.04	1	3
KN-90-018	1	127	3	83	.2	5	19	1139	5.57	12	5	ND	1	27	.2	5	2	141	2.60	153	5	7	1.89	24	.26	27	3.16	.04	.04	1	2
KN-90-019	1	220	2	70	.1	5	14	828	5.19	3	5	ND	2	50	.2	2	2	152	1.57	155	10	10	.67	38	.16	14	1.32	.04	.07	1	1
KN-90-020	1	95	4	65	.2	4	14	794	4.01	3	5	ND	1	31	.2	3	3	127	3.14	157	8	8	1.24	15	.16	26	2.54	.05	.02	2	3
KN-90-021	1	66	2	69	.1	10	16	789	3.97	2	5	ND	2	32	.2	3	2	119	1.90	171	8	11	1.50	33	.16	16	1.98	.03	.14	1	1
KN-90-022	1	202	2	108	.3	74	23	1269	5.96	10	5	ND	2	73	.2	5	2	174	1.96	203	11	129	2.31	28	.19	11	2.82	.03	.07	1	1
KN-90-023	2	349	2	47	.4	30	61	596	8.80	8	5	ND	1	42	.2	6	2	129	2.08	129	3	47	2.59	41	.26	7	2.09	.03	.10	1	26
AL-90-001	1	14309	2	64	1.2	9	20	696	4.69	144	5	ND	1	33	.7	5	2	156	3.20	161	7	10	2.44	24	.14	32	3.39	.03	.05	1	1
AL-90-002	2	122	7	44	.1	8	14	809	4.26	7	5	ND	1	66	.4	5	3	106	3.29	139	8	13	1.53	74	.16	16	3.63	.03	.10	2	3
AL-90-003	1	229	8	129	.2	5	15	1748	7.66	7	5	ND	1	32	.2	8	2	143	1.79	122	5	14	2.68	55	.16	12	3.62	.04	.03	1	5
STANDARD C/AU-R	19	60	40	130	7.0	72	31	1051	3.97	40	.17	7	37	52	18.4	15	21	56	.51	.097	37	59	.88	180	.07	36	1.89	.06	.14	11	530

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.

DATE RECEIVED: SEP 5 1990 DATE REPORT MAILED: *Sept 12/90* SIGNED BY: *C. Leung* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

/ ASSAY RECOMMENDED

ACME ANALYTICAL LABORATORIES LTD.

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE (604) 253-3158 FAX (604) 253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Minequest Exploration File # 90-5907
 500 - 164 Water St., Vancouver BC V6B 1B5

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
ASG 90101	1	18	4	63	1	5	15	741	2.93	8	5	ND	1	85	2	2	71	2.90	147	5	8	1.59	28	19	13	1.61	.03	.09	1	3	
ASG 90102	1	208	13	18	1	4	5	447	2.64	16	5	ND	1	149	2	3	2	102	8.13	129	4	8	.49	41	14	27	4.80	.02	.03	1	3
ASG 90103	1	33028	9	40	17.3	7	17	581	3.18	13	5	ND	1	190	3.3	2	7	124	3.50	155	5	16	1.11	103	24	18	3.04	.03	.05	1	13
ASG 90104	1	30047	4	29	3.8	5	12	414	3.15	17	5	ND	1	101	1.4	3	2	107	2.94	155	4	8	1.04	97	20	11	2.55	.04	.08	1	8

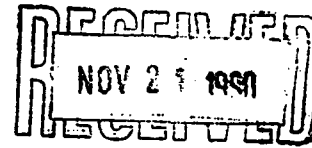
ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA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

DATE RECEIVED: NOV 15 1990

DATE REPORT MAILED: Nov 21/90

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

✓ ASSAY RECOMMENDED



RUK / 11/26/90

Feli ABON

CONSECUTIVE LISTING

ASG

SAMPLE NUMBER <small>(3 Letters <5 digits)</small>	DATE <small>(YY/MM/DD)</small>	SAMPLER <small>(3 Initials)</small>	TYPE <small>(hm, silt float rkgrab, core rkchip, cuttings)</small>	PROJECT or CLAIM BLOCK CODE	CLAIM NAME and NUMBER	COMMENTS <small>(maximum 48 characters including spaces)</small>	Tick or Leave Blank									
							FLA G G E D	A N A L Y S E D	W I T N E S S	T H I N S E C						
KN-90-00	90/07/21	GWV	Rkgrab	ASG	KEN/AL1	Med grained diorite <1% sus.	✓									
002						Med to coarse grained diorite, moderate alt. bn?										
003						Diorite, sheared, med. grained <1% sus (cc?)										
004						Diorite, brown, medium grained. tr										
005						med grained diorite, dark green. tr PY, bn										
006						diorite, mg, <2% PY.										
007						fg diorite, tr Mc. (tr ff?)										
008						fg diorite, sheared. (tr ff?)										
009						fragmental in drt frags,										
000						M.G. DIORITE.										
011						fg. tr ff? tr brown color										
012						lt grey-green, med grained tr ff; EP on frx.										
013						fg. tr ff. mod alt										
014						dk grey green tr ff & diorite - <1% PY.										
015						DRT. fg, <1% PY, EP on frx.										
016						sus #15.										
017						dk grey-green DRT, tr PY.										
018						sus #17										
019						DRT, sheared, dm PY, EP.										
020 ⁰						siliceous tr ff?	✓									

P.3/5
JAN 28 '91 14:30 GPX MINERALS -604-6691700

CONSECUTIVE LISTING

ASG

SAMPLE NUMBER <small>(3 Letters <5 digits)</small>	DATE <small>(YY/MM/DD)</small>	SAMPLER <small>(3 Initials)</small>	TYPE <small>(hm, silt float rkgrab, core rkchip, cuttings)</small>	PROJECT or CLAIM BLOCK CODE	CLAIM NAME and NUMBER	COMMENTS <small>(maximum 48 characters including spaces)</small>	Tick or Leave Blank							
							FLAGGED	ANALYZED	WITNESSED	THIN SEC				
ASG-90-021	90/07/21	GWV	RK grab	ASG	ALI / KEN	Andeite < 2% PY.	✓							
022	↓	↓	↓	↓	↓	Andeite 1-2% dark PY.	✓							
023	↓	↓	↓	↓	↓	? g. tuff?	✓							
AL-90-001	90/07/21	GWV	RK grab	ASG	ALI / KEN	JRT float	✓							
002	↓	↓	↓	↓	↓	↓ ↓	✓							
003							✓							
ASG 90101	90/11/12	GWV	rk grab	ASG	ALI	red grnd labor to CA + 2 veins, EP. + PY.	✓	✓	✓					
ASG 90102		AWG	↓	↓	↓	SOS 90101	✓	✓	✓					
ASG 90103		GWV	↓	↓	↓	Mudstone w/PP? along Mac stem (PAY old trench?)	✓	✓	✓	✓				
ASG 90104	↓	AWG	↓	↓	↓	Selected Mac street - R Rem Old trench (PAY?)	✓	✓	✓					

APPENDIX IV

STATEMENT OF QUALIFICATIONS

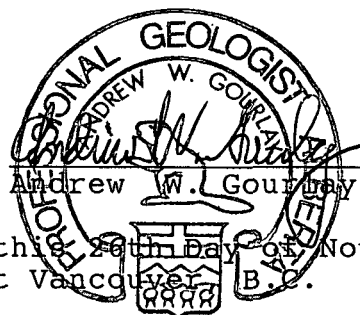
APPENDIX IV

STATEMENT OF QUALIFICATIONS

I, Andrew W. Gourlay, hereby certify that:

1. I am presently employed by MineQuest Exploration Associates Ltd. as Senior Geologist.
2. I am a graduate of the University of British Columbia (B.Sc. Hons., 1977, in geology).
3. I am a Professional Geologist in good standing with the Association of Professional Engineers, Geologists and Geophysicists of Alberta, and a Fellow of the Geological Association of Canada.
4. I have practised my profession as geologist for 13 years.
5. The information used in this report is based on reports, maps, and data lists on file at MineQuest Exploration Associates Ltd., and personal familiarity with the project area.

Signed



Dated this 20th Day of November,
1990 at Vancouver B.C.

APPENDIX V

Cost Statement

APPENDIX V

Cost Statement

Fees and Wages

A.W. Gourlay	1 day	at \$385.00	\$	385.00	
A.W. Gourlay	20 hours	at \$ 64.00		1,280.00	
G. Vernon	2.5 days	at \$235.00		587.50	
G. Vernon	30 hours	at \$ 32.00		960.00	
C. Donders	6.75 hours	at \$ 32.00		<u>216.00</u>	\$3,428.50

Temporary Wages

J.W. Walker	13.0 hours	at \$ 15.30		198.90	198.90
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Disbursements

Analysis				354.75	
Courier, postage				69.75	
Food and accommodation				320.78	
Fuels and lubricants				131.92	
Groceries				6.24	
Maps, reports, publications				85.16	
Rental vehicle				497.02	
Reprographics				37.01	
Supplies				80.32	
Taxis/busfare/parking				60.00	
Telecommunications				51.90	
10% on disbursements				<u>161.49</u>	1,776.34

MO Charges

Reprographics				10.50	
Photocopies				<u>84.25</u>	94.75

\$5,498.49
=====

CONSECUTIVE LISTING

ASG

SAMPLE NUMBER (3 Letters < 5 digits)	DATE (YY/MM/DD)	SAMPLER (3 Initials)	TYPE (hm, silt soil float rkgrab, core rkchip, cuttings)	PROJECT or CLAIM BLOCK CODE	CLAIM NAME and NUMBER	COMMENTS (maximum 48 characters including spaces)	Tick or Leave Blank						
							FLAGGED	ANALYZED	WITNESSES	THIN SEC			
KN-90-00	90/07/21	GSV	Rkgrab	ASG	KEN/ALI	Med grained diorite <1% sos.	<input checked="" type="checkbox"/>						
002						Med to coarse grained diorite, moderate alt. br?							
003						Diorite, sheared, med. grained <1% sos (cc?)							
004						Diorite, brown, medium grained. tr							
005						med grained diorite, dark green. tr PY, br							
006						diorite mg. <2% PY.							
007						fg diorite, tr Mc. (tr?)							
008						fg diorite sheared. (tr?)							
009						fragmental in det frags,							
000						M.G. DIORITE.							
011						fg. tr? It brown color							
012						lt gray-green, med grained tr; EP on frx.							
013						fg. tr. med alt							
014						dk gray-green tr of diorite --<1% PY.							
015						DRT. fg. <1% PY. EP on frx.							
016						Sos #15.							
017						dk gray-green DRT, tr PY.							
018						Sos #17.							
019						DRT, sheared, dm PY, EP.							
020						siliceous tr?	<input checked="" type="checkbox"/>						

CONSECUTIVE LISTING

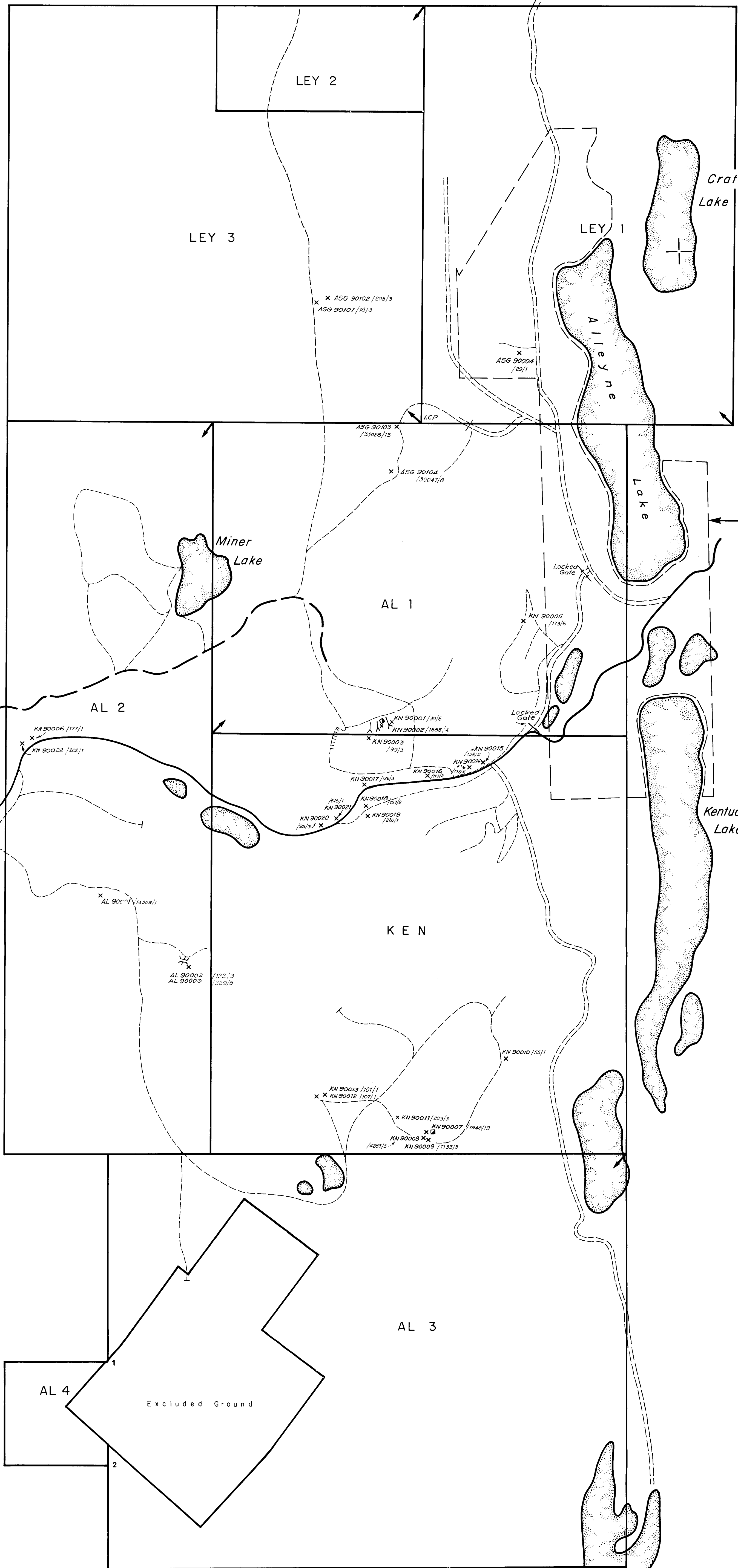
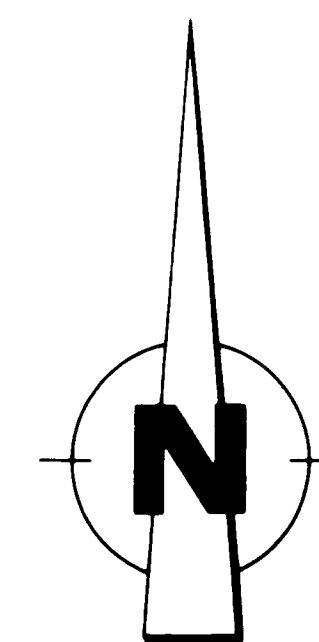
SAMPLE NUMBER (3 Letters <5 digits)	DATE (YY/MM/DD)	SAMPLER (3 Ini- tials)	TYPE (hm, silt soil float rkgrab, core rkchip, cuttings)	PROJECT or CLAIM BLOCK CODE	CLAIM NAME and NUMBER	COMMENTS (maximum 48 characters including spaces)	Tick or Leave Blank						
							F L A G G E D	A N A L Y S E D	W I T N E S S	T H I N S E C	Cult. stain.		
ASS9D101 9D101	90/11/12	GW	rkgrab	ASSN	A11	red find ledger to CA 102 veins, EP. HPT.	✓	✓	✓				
ASS9D102 9D102		AW-				SOS 90101	✓	✓	✓				
ASS9D103 9D103		GW				Macan RP? along Mac Stein (PAY ^{old trends} working?).	✓	✓	✓		✓		
ASS9D104 9D104	↓	AW-	↓	↓	↓	Selected Mac sheet RP from Old trends (PAY?)	✓	✓	✓				
0													

CONSECUTIVE LISTING

ASG

SAMPLE NUMBER (3 Letters <5 digits)	DATE (YY/MM/DD)	SAMPLER (3 Initials)	TYPE (hm, silt soil float rkgrab, core rkchip, cuttings)	PROJECT or CLAIM BLOCK CODE	CLAIM NAME and NUMBER	COMMENTS (maximum 48 characters including spaces)	Tick or Leave Blank									
							F L A G G E D	A N A L Y S E D	W I T N E S S	T H I N S E C						
ASG-90-001 001	90/07/21	GWV	RKgrab	ASG	ALI/KEV	Indesite <2% PT.	✓									
002	↓	↓	↓	↓	↓	Indesite 1-2% dm, p%.	✓									
003	↓	↓	↓	↓	↓	Pg full?	✓									
AL-90-001 001	90/07/21	GWV	RKgrab	ASG	ALI/KEV-	DRT float	✓									
002	↓	↓	↓	↓	↓	↓ ↓	✓									
003	↓	↓	↓	↓	↓	↓ ↓	✓									
0																

120°37'
49°56'



KENTUCKY-ALLEYNE RECREATIONAL AREA (Boundaries uncertain)

GEOLOGICAL BRANCH ASSESSMENT REPORT

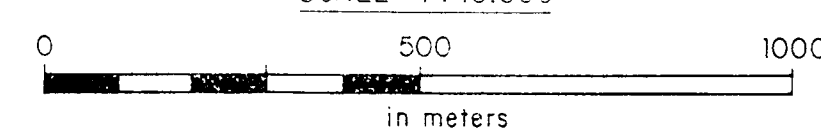
20,551

LEGEND

- Paved road
- Secondary road
- Track
- Rock sample /Cu (ppm) /Au (ppb)
- Trench
- Shaft
- Adit

NOTE: Complete analytical results tabulated in Appendix III

SCALE: 1:10,000



KEN CLAIMS				
GEOCHEMISTRY				
ROCK SAMPLE LOCATIONS and RESULTS				
Originator	Drawn	Date	PLAN NO.	FIG.
A.W.G.	C.D.	Nov '90	1606	
Revision			N.T.S.	3
			92 H/15E	
MINEQUEST EXPLORATION ASSOCIATES LTD.				

5526000m.N. 671000m.E.

676000m.E. 5526000m.N.

To Merritt

5A

5A

To Princeton