

Northern Platinum Ltd.

SUMMARY REPORT

Prospecting, Road Maintenance and Drilling

ON

1997 EXPLORATION

ARCH PROPERTY

(BARNY, MUS and EUGENE CLAIMS)

Grant Numbers

YA94968-YA94973

YA96002-YA96009

YA96863-YA96880

YA97896-YA97901

YA97902-YA97912

YBO8307

YA94962-YA94967

YA96010-YA96019

YB8097-YB8140

093 870

Whitehorse Mining District

NTS 115/G/6

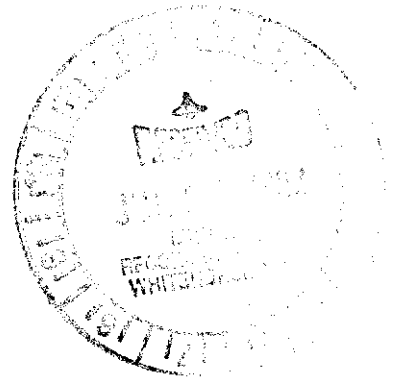
60°27' N & 139°25' E

Performed for

Northern Platinum Ltd.

And

International All-North Resources Ltd.



From July 15 to Sept. 19

J.P. McGoran B.Sc. P. Geo.

December, 1997

This report has been examined by
the Geological Evaluation Unit
under Section 59 (4) Yukon Quartz
Act and is allowed as
exploration work in the amount
of 21,600.00.

M.B. h
Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

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INTRODUCTION

The Arch Property was acquired by staking and option in 1986 by Archer, Cathro & Associates (1981) Limited on behalf of Kluane Joint Venture (Chevron Minerals Ltd. and All-North Resources Ltd.) to cover the extension of the Quill Creek Ultramafic Complex west of the Wellgreen Property. Additional claims were added during the 1987 field season. In December 1986 the Joint Venture entered into an option agreement with Pak-Man Resources Inc. and Rockridge Mining Corporation, which subsequently funded an exploration program for platinum group elements (PGE), nickel and copper. The program consisted of grid layout, mapping, geochemical soil sampling, rock sampling, geophysical surveys and road construction and was performed between mid-June and early October by an Archer, Cathro crew based at the Wellgreen camp. The 1997 program initially consisted of the location of previous roads and trenches. No evidence of the 1986 grid was observed. Prospecting was conducted in the vicinity of the workings to determine the extent of mineralization by prospecting, cat work, rock sampling and analysis.

This program was funded by Northern Platinum Ltd.

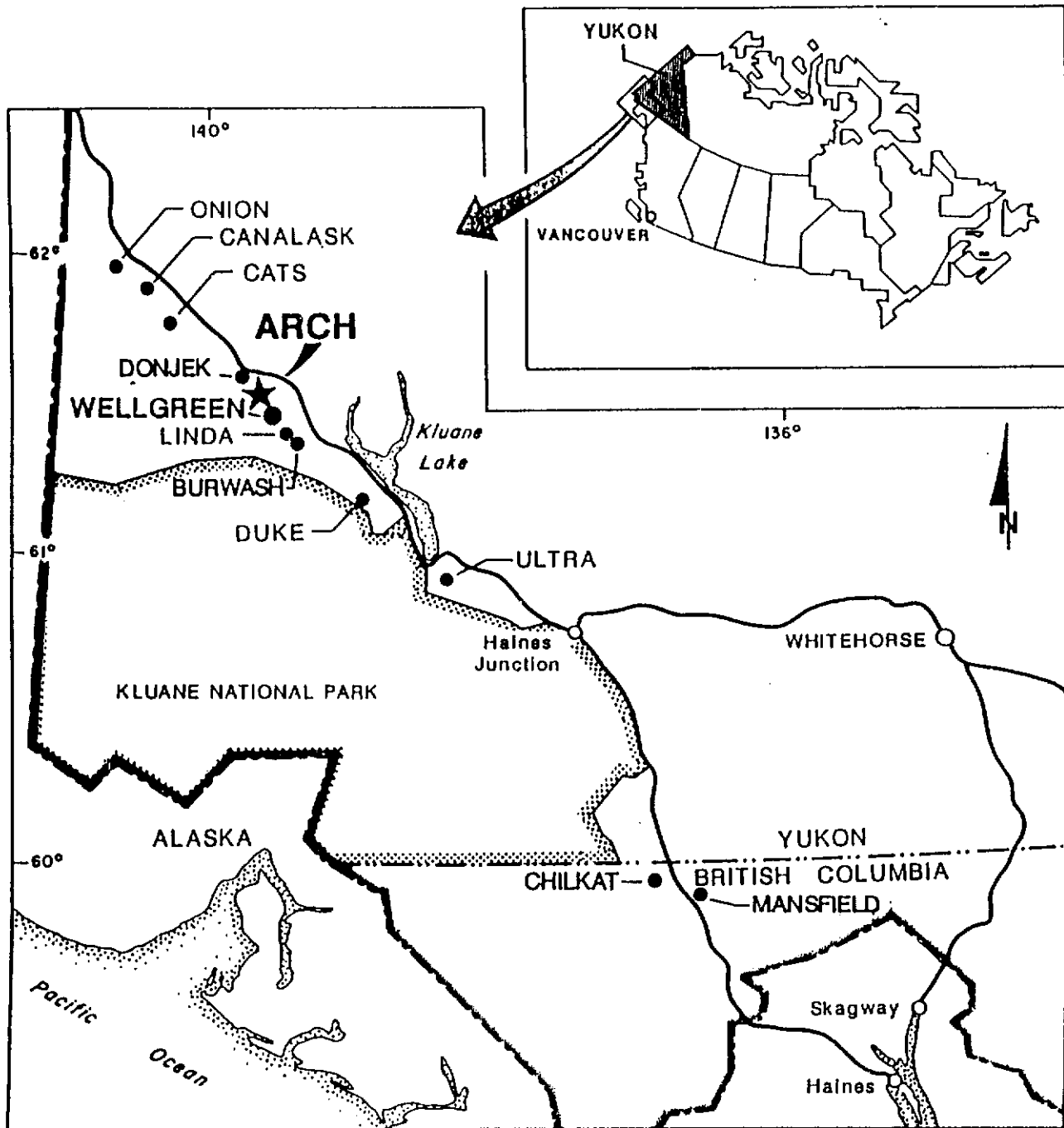


Figure 1
LOCATION
KLUANE NI-Cu-PGE BELT
 YUKON, CANADA

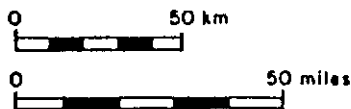




Figure 2

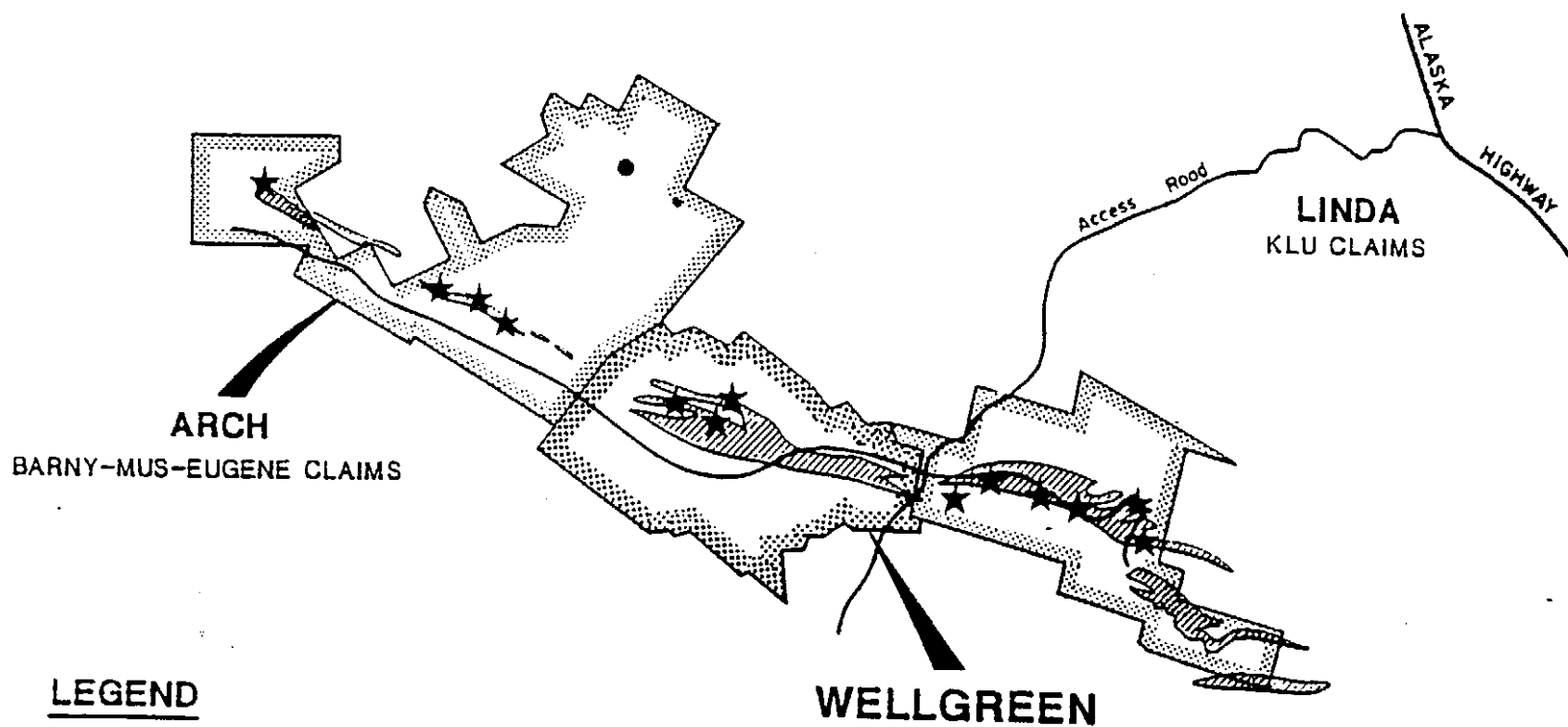
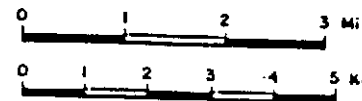
PROPERTY LOCATION MAP

QUILL CREEK AREA




YUKON, CANADA

NORTHERN PLATINUM LTD.

ARCH JOINT VENTURE



LEGEND

-  Ultramafic rocks
-  Ni-Cu-PGE showing
-  Au showing

PROPERTY, LOCATION AND ACCESS

The 110 claim Arch Property is located in southwestern Yukon, 320 km northwest of Whitehorse at latitude 60°27' and longitude 139°25' on NTS claim map 115G/6 (see Figures 1 and 2 on the following pages). It is centred on Arch Creek, a tributary of Donjek River, and adjoins the west end of the Wellgreen Property. Elevations range from about 1980 m (6500 feet) on ridge crests to 1070 m (3500 feet) on Lower Arch Creek. An access road extends from the Wellgreen Property, which is reached by a 14-km all-weather road from the Alaska Highway. The access road was repaired and locally rebuilt in 1997 to 2-wheel drive standard and now extends 5 km from the Wellgreen campsite. The last two kilometers have been repaired and the road is suitable for 4-wheel drive vehicles.

The claims are registered with the Whitehorse Mining Recorder as follows:

Claim	Name	Grant Numbers	Expiry Date
Barny	1-6	YA94968-YA94973	February 11, 1998
Barny	7-14	YA96002-YA96009	February 11, 1998
Barny	15-32	YA96863-YA96880	February 11, 1998
Barny	33F-38F	YA97896-YA97901	February 11, 1998
Barny	39	YA97902	February 11, 1998
Barny	40F	YA97903	February 11, 1998
Barny	41	YA97904	February 11, 1998
Barny	42F	YA97905	February 11, 1998
Barny	43	YA97906	February 11, 1998
Barny	44F	YA97907	February 11, 1998
Barny	45	YA97908	February 11, 1998
Barny	46F	YA97909	February 11, 1998
Barny	47	YA97910	February 11, 1998
Barny	48F	YA97911	February 11, 1998
Barny	49	YA97912	February 11, 1998
Barny	50F	YB08307	February 11, 1998
Mus	1-6	YA94962-YA94967	February 11, 1998
Mus	7-16	YA96010-YA96019	February 11, 1998
Eugene	1-44	YB8097-YB8140	March 25, 1998

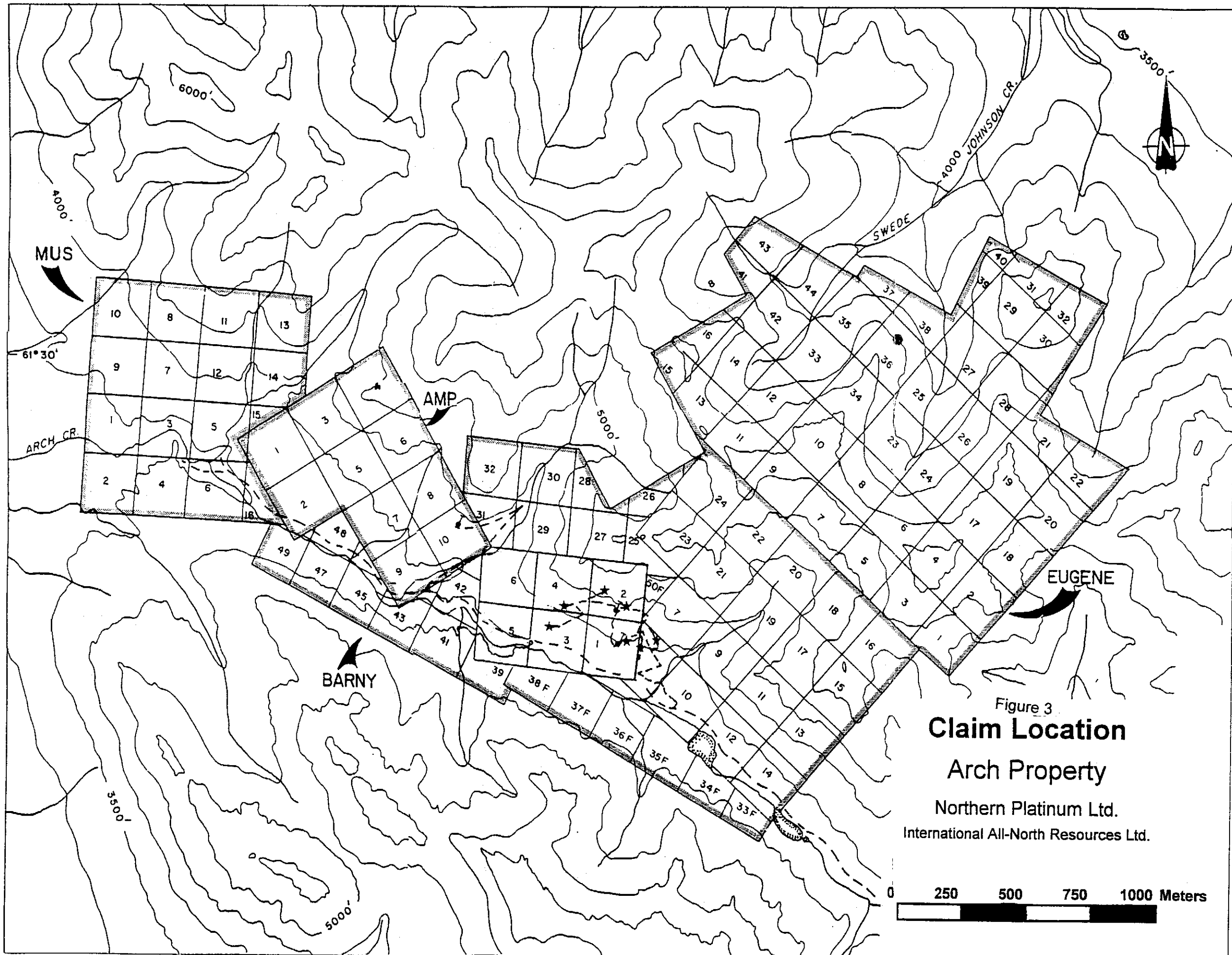
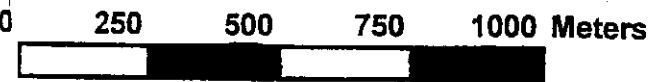


Figure 3
Claim Location
 Arch Property
 Northern Platinum Ltd.
 International All-North Resources Ltd.



Northern Platinum has an agreement with International All-North, the manager of the Arch Joint Venture. Claim locations are shown on Figure 3.

GENERAL

During 1997 \$22,020 was spent on prospecting, sampling, assaying and bulldozer work. In early 1997, very little recorded data was available to the exploration crew. Only a copy of Figure 3 was available showing roughly where mineralization occurred. At the end of the field season, portions of previous assessment reports were located in the Archer Cathro & Associates office in Vancouver.

PROSPECTING

During the period of June 25 to June 29, 1998, Rory Calhoun, Geologist, assisted by Paul Wray, investigated the conditions of the roads in the Arch group of claims. Several rock grab samples were collected at this time.

From July 15 to Sept 3, prospecting was conducted by David Javorsky, PO Box 806 Stewart, BC, who supplied the following equipment.

- 1 1992 4 x 4 Chevrolet Suburban
- 1 Beep mat (G.D.D. Inc Serial No. 7043)
- 1 Self potential geophysical system
- Miscellaneous picks, hammers and shovels, compass
- 1 Sokkisha TM-20C Theodolite

From September 4 to September 19 Don Bragg of 1291 East 53rd Avenue, Vancouver BC V5X 1K1 also conducted prospecting. Don Bragg and David Javorsky stayed at Kluane Wilderness Village and commuted daily with his equipment to the property. Northern Platinum Ltd. supplied accommodation and fuel. The mandate was to locate and sample all mineral occurrences.

1997 PROGRAM

From June 25 to June 29 the Arch Property was examined by Rory Calhoun, Geologist, accompanied by Paul Wray, Miner. They examined access and located some of the previous work, which includes roads and trenches.

From August 22 to 24 and Aug 26 to Sept 2, a D7 Cat was utilized to open up access roads and to attempt to open previous trenches (see Figure 5). The trenches were partially cleared by Cat.

The rock is friable which led to the trenches continuing to slough while the Cat was working in the trenches. Hand excavation was necessary to get rock faces suitable for chip sampling.

Samples were collected along the trenches and along the road cuts (see Figure 5).

The sample sites were marked with paint and aluminum tags. When chip sampling, the width of the sample was noted. Copper and nickel analysis are plotted on Figure 6 and outlined on pages 6 and 7.

Thirty-two silt samples were collected from silt in streams. The location (see Figure 4) was marked with flagging and the samples were collected in marked kraft paper bags.

The samples were analyzed by Acme Analytical Labs of Vancouver for 30 element ICP plus fire assay M.S. for gold, platinum and palladium (see appendix A).

Samples were analyzed by Acme Analytical for 30 element ICP plus, gold, platinum and palladium by fire assay and mass spectrometer analysis (see appendix B).

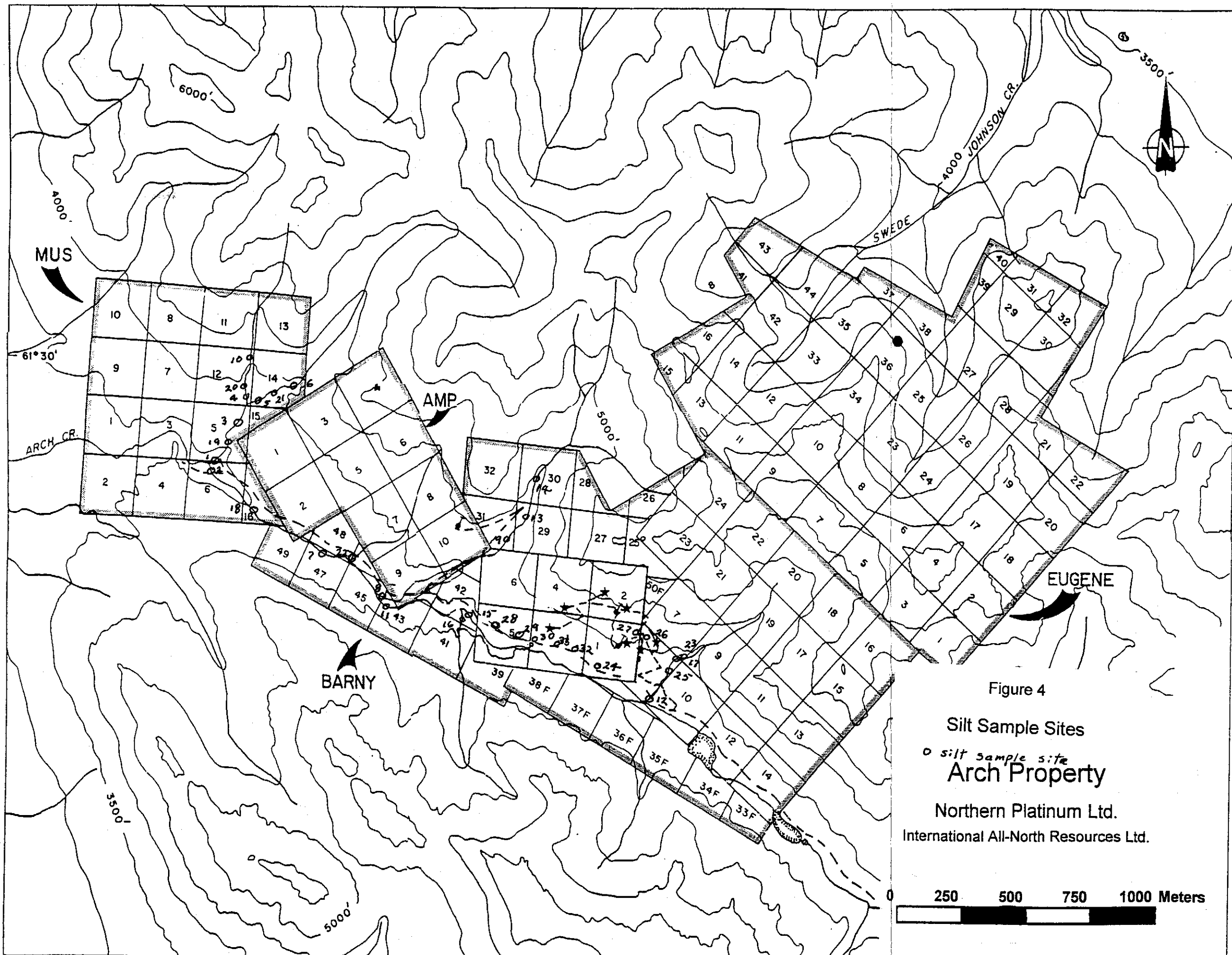
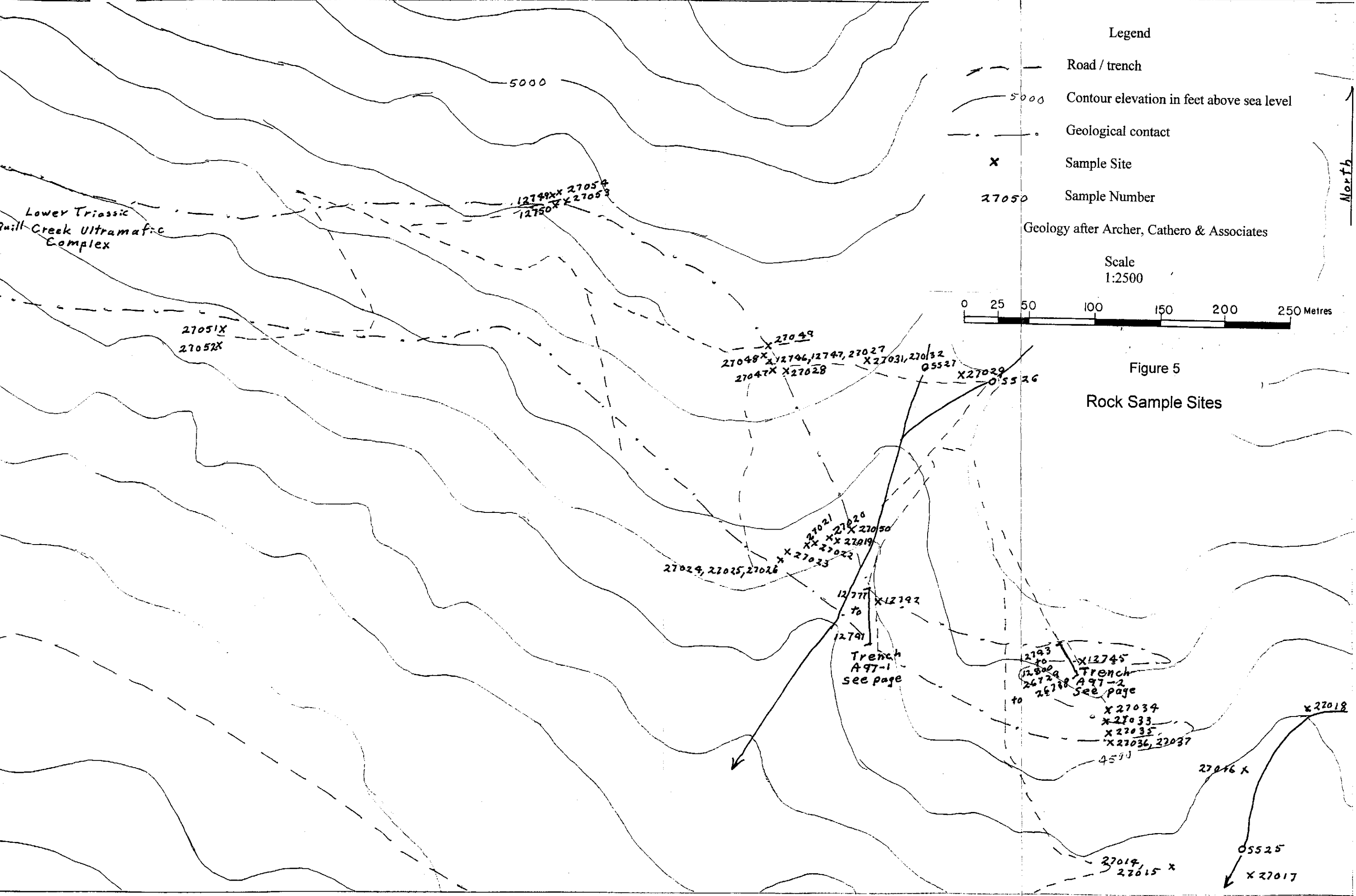

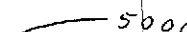
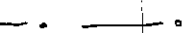




Figure 4
 Silt Sample Sites
 ○ silt sample site
Arch Property
 Northern Platinum Ltd.
 International All-North Resources Ltd.

0 250 500 750 1000 Meters



Legend

-  Road / trench
-  5000 Contour elevation in feet above sea level
-  Geological contact
-  Sample Site
-  27050 Sample Number

Geology after Archer, Cathero & Associates

Scale
1:2500

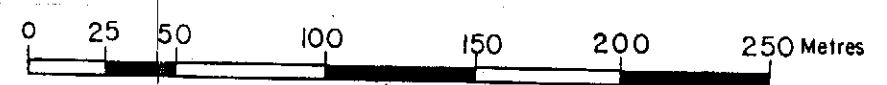


Figure 5
Rock Sample Sites

Lower Triassic
Quill Creek Ultramafic
Complex

27051X
27052X

12749X 27054
12750X 27053

X 27049
27048X, 12746, 12747, 27027
27047X X 27028 X 27031, 27032
05527 X 27029
05526

27021 27020
X 27050
X 27019
X 27022
X 27023
27024, 27025, 27026

12777 X 12792
to
12791
Trench
A97-1
see page

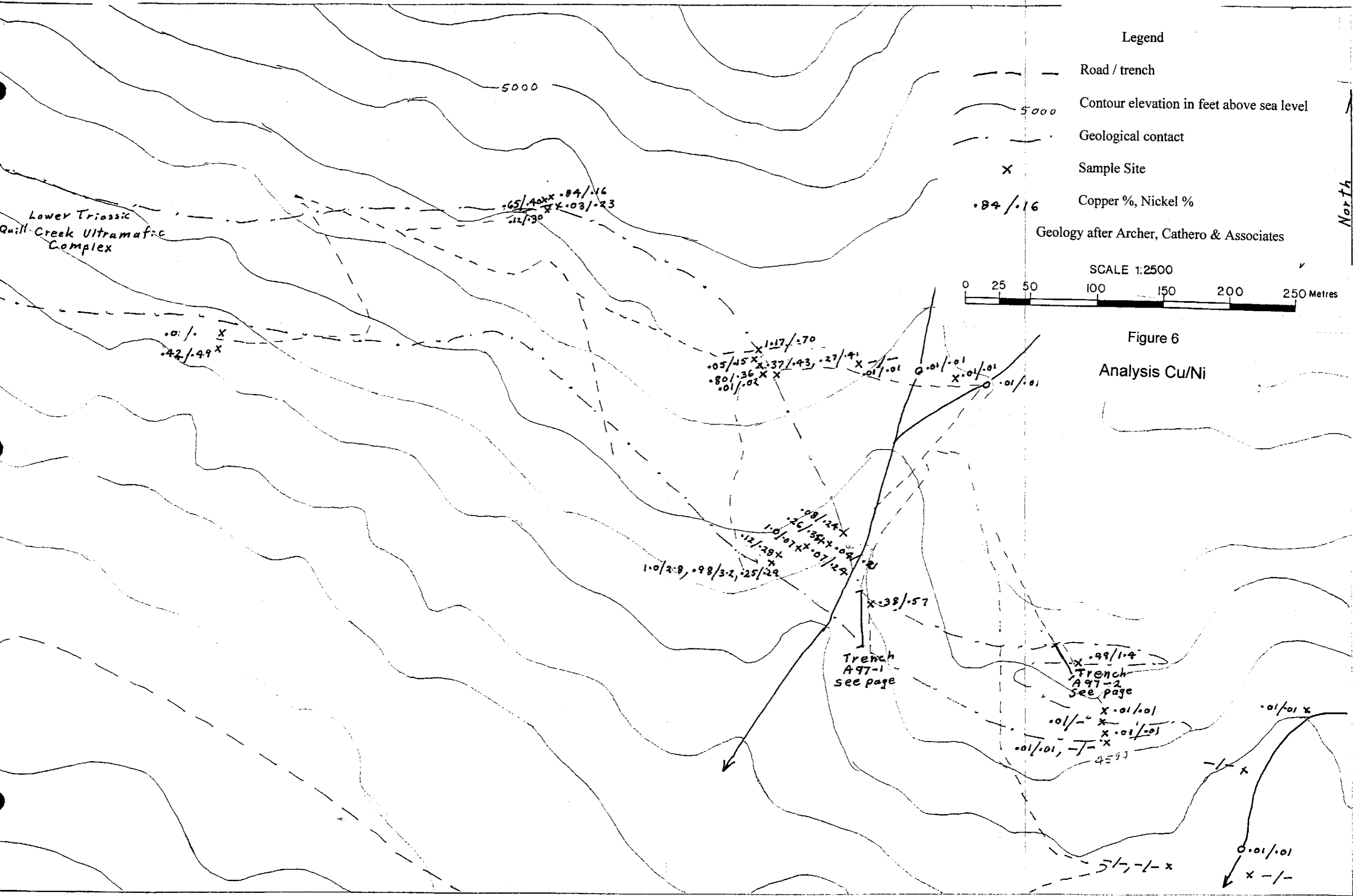
2703 X 12745
12800 Trench
26720 A97-2
26718 see page
to
X 27034
X 27033
X 27035
X 27036, 27037
4570

27046 X





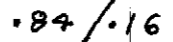
05525
27014, 27015 X
X 27017

X 27018

North



Legend

-  Road / trench
 -  Contour elevation in feet above sea level
 -  Geological contact
 -  Sample Site
 -  Copper %, Nickel %
- Geology after Archer, Cathero & Associates

SCALE 1:2500

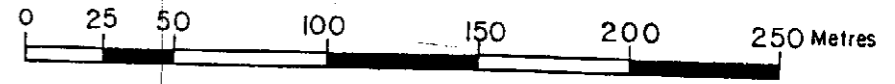


Figure 6
Analysis Cu/Ni

Lower Triassic
Quill Creek Ultramafic
Complex

.01/.01 X
.42/.49 X

.65/.40 X
.84/.16 X
.03/.23 X
.12/.30

1.17/.70 X
.05/.15 X
.37/.43 X
.27/.41 X
.80/.36 X
.01/.01 X
.01/.01 X
.01/.01 X
.01/.01 X

.08/.24 X
.26/.35 X
.04/.21 X
1.0/.29, .98/.32, .25/.29 X
1.0/.27 X
1.2/.28 X
1.2/.28 X
1.0/.27 X
1.0/.27 X
1.0/.27 X
1.0/.27 X

X .38/.57
Trench
A97-1
see page

X .49/.14
Trench
A97-2
see page
X .01/.01
X .01/.01
X .01/.01
X .01/.01
X .01/.01
4593

57/-1 X

0.01/.01 X
X -/-

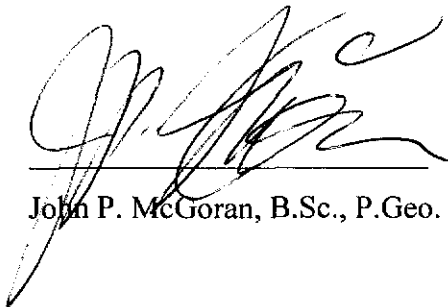
North

CONCLUSION

On the Arch Property there is sulphide mineralization, which is similar in character to the sulphide mineralization at the Wellgreen deposit, which adjoins to the East.

RECOMMENDATIONS

The area between the NFR and the Chondie showings should be trenched and sampled in detail as well as mapped in order to obtain better assay and structural information for the evaluation of this prospect.



John P. McGoran, B.Sc., P.Geo.

June 17, 1998

Trench A97 - 1

Sample No.	From (in feet)	To (in feet)	Cu %	Ni %
12777	0	4	-	-
12778	4	6	.07	.14
12779	6	15.5	.35	.40
12780	15.5	21.5	.26	.45
12781	21.5	25	.21	.36
12782	25	27	.24	.41
12783	27	46	.12	.39
12784	46	64	.07	.29
12785	64	65	.07	.35
12786	65	75	.06	.28
12787	75	100	.08	.30
12788	100	107	.04	.31
12789	107	119	.05	.31
12790	119	123.5	.05	.26
12791	123.5	128	.01	.02

2080 cubic yards moved
2065 cubic yards moved by Cat
15 cubic yards moved by hand

Trench A97 - 2

Sample No.	From (in feet)	To (in feet)	Cu %	Ni %
12793	0	4	.01	.05
12794	4	11	.08	.21
12795	11	18	.02	.14
12796	18	19	.04	.14
12797	19	28	.04	.13
12798	28	35	.05	.16
12799	35	40	.03	.12
12800	40	45	.01	.16
26729	45	50	.01	.14
26730	50	55	.02	.17
26731	55	60	.03	.20
26732	60	65	.03	.17
26733	65	70	.02	.18
26734	70	75	.03	.22
26735	75	80	.03	.20
26736	80	89	.02	.17
26737	89	91	.02	.17
26738	91	97	-	-

1300 cubic yards moved
1288 cubic yards moved by Cat
22 cubic yards moved by hand

Arch Claim Group

1997 Expenditures

R. Calhoun			
June 25 to June 29	5 days @ \$200 / day		\$1,000
P. Wray			
June 25 to June 29	5 days @ \$200 / day		\$1,000
Dave Javorsky			
Sept 4 to Sept 15	12 days @ \$350 / day		\$4,200
D. Bragg			
Sept 4 to Sept 15	12 days @ \$250 / day		\$3,000
J. McGoran			
2 days @ \$300 / day			\$600
Assays			\$4,200
D7 Bulldozer	August 26 to Sept 2		\$3,150
Fuel			\$230
Service Vehicle			\$350
Cat	mob. & demob.		\$3,040
Report			\$1,250
<hr/>			
<i>Total</i>			\$22,020
<hr/>			

APPENDIX A

APPENDIX B



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	Pt** ppb	Pd** ppb
27035	1	92	<3	57	<.3	116	31	658	3.72	<2	<8	<2	<2	107	.8	3	<3	205	11.63	.034	6	351	1.97	156	.25	<3	1.83	.04	<.01	<2	7	5	6
27036	9	75	12	153	1.6	102	25	383	4.53	8	<8	<2	<2	57	2.0	<3	<3	214	5.61	.166	9	289	.95	19	.17	<3	.87	.04	.03	5	11	7	7
27037	3	48	5	73	.5	41	9	322	3.40	6	<8	<2	<2	29	1.0	<3	<3	41	2.83	.030	5	31	1.06	40	.09	<3	.97	.02	.11	2	4	<1	2
27038	<1	7	<3	25	<.3	157	25	748	6.09	<2	<8	<2	<2	10	.2	<3	<3	173	4.04	.050	9	552	9.23	8	.26	171	5.10	<.01	<.01	<2	20	7	4
27039	1	345	<3	32	.5	1573	112	474	5.66	<2	<8	<2	<2	25	1.4	<3	<3	50	11.30	.014	4	1819	7.80	5	.08	33	1.49	<.01	<.01	<2	17	47	59
27040	9	2096	<3	<1	2.9	25088	1018	374	27.73	101	15	<2	4	10	<.2	<3	<3	48	10.28	.011	7	76	.38	16	.07	28	2.01	.01	.02	<2	152	2596	2018
27041	1	27889	7	94	8.3	39653	1353	146	27.35	<2	<8	<2	4	2	<.2	<3	5	45	4.42	<.001	4	62	.07	4	.04	14	.91	<.01	.01	<2	99	2613	3760
27042	2	23351	17	82	7.9	34675	1163	131	21.97	4	<8	<2	3	2	.2	<3	5	79	4.04	<.001	5	22	.04	7	.05	32	.96	<.01	.01	<2	203	3882	3610
27043	1	58742	38	119	15.8	36589	1061	107	23.51	<2	<8	<2	3	2	1.1	7	35	18	3.58	<.001	4	10	.04	7	.02	12	.60	<.01	<.01	<2	688	6226	7915
27044	<1	44745	23	173	10.9	19352	839	101	12.47	4	<8	<2	4	3	2.8	<3	5	9	2.96	<.001	4	15	.03	10	.05	13	.86	<.01	.01	<2	972	3343	4745
27045	4	6189	29	88	3.4	43843	1519	166	38.45	2	<8	<2	4	2	.7	<3	10	91	.99	.003	3	116	.28	9	.03	10	.39	.01	.03	<2	1006	7218	4815
27046	4	55	3	42	<.3	74	10	706	2.81	<2	<8	<2	<2	239	<.2	3	<3	6	4.67	.086	7	8	1.37	74	<.01	<3	.38	.06	.10	2	8	3	5
27047	1	88	10	87	<.3	199	24	1009	4.11	9	<8	<2	<2	22	.5	5	<3	69	2.33	.048	13	298	2.28	44	.17	7	2.66	.02	.19	<2	69	4	6
27048	<1	536	16	90	1.1	1477	74	1114	15.03	<2	<8	<2	<2	26	.3	<3	<3	244	2.74	.040	5	376	5.59	49	.18	6	6.08	.01	.03	<2	14	89	83
27049	3	11673	67	224	18.5	6990	316	1025	24.84	14	<8	<2	2	13	<.2	<3	<3	150	.96	.048	6	611	1.89	49	.13	<3	3.77	.01	.10	<2	69	1527	2221
27050	<1	792	4	52	.7	2378	159	909	7.34	2	<8	<2	<2	4	.2	8	<3	25	.58	.015	5	493	17.02	38	.04	94	1.21	.01	.07	<2	17	106	169
RE 27050	<1	769	4	52	.7	2362	158	912	7.31	3	<8	<2	<2	4	.4	6	<3	25	.58	.015	4	493	17.13	38	.04	95	1.22	<.01	.07	<2	19	93	174
27051	3	628	10	25	.7	1183	64	425	2.63	9566	<8	<2	<2	78	<.2	18	<3	30	5.74	.022	3	449	2.26	11	.04	13	1.16	.02	.01	<2	129	203	181
27052	1	4181	9	41	4.2	2871	121	419	3.49	2920	<8	<2	<2	7	.6	90	4	45	1.14	.028	4	585	3.77	8	.08	6	2.16	.01	<.01	<2	91	974	817
27053	<1	308	3	28	<.3	2272	128	1014	6.06	55	<8	<2	<2	74	.4	<3	<3	26	11.60	.016	4	675	14.16	10	.03	53	.77	.01	.03	<2	20	91	163
27054	12	8389	60	102	16.7	1567	34	177	4.23	263	<8	<2	5	34	<.2	15	4	12	.18	.039	8	16	.52	27	.02	3	1.07	.07	.04	<2	798	1107	2083
STANDARD C3/FA100	25	64	37	149	5.4	36	12	727	3.41	48	21	3	17	29	22.8	16	23	84	.58	.092	20	170	.60	148	.10	21	1.93	.04	.16	18	54	50	50

Sample type: ROCK. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Assay recommended for Cu, Ni > 1%
 Ag > 30 ppm
 Pt, Pd, Au > 1000 ppb

GEOCHEMICAL ANALYSIS CERTIFICATE

AA
LLAA
LL

Northern Platinum Ltd. PROJECT WELLGREEN File # 97-3544

305 - 455 Granville St., Vancouver BC V6C 1T1 Submitted by: John McGoran

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	Pt** ppb	Pd** ppb
12745	<1	9930	<3	80	2.7	14487	603	617	9.71	66	<8	<2	<2	28	.4	<3	<3	79	8.47	<.001	1	629	2.99	5	.15	<3	2.62	<.01	<.01	<2	42	948	1359
12746	3	7994	23	104	48.4	3640	118	327	24.47	99	<8	<2	<2	10	<.2	3	<3	152	.30	<.001	2	403	.81	60	.08	<3	1.95	.01	.04	<2	116	2016	3700
12747	<1	1996	<3	67	82.4	2520	102	806	7.25	50	<8	<2	<2	47	.4	<3	<3	135	5.01	.018	1	1151	3.95	13	.18	<3	3.60	.01	.02	<2	14	204	303
12748	1	3734	<3	77	3.2	4264	164	774	8.98	10	<8	<2	<2	13	.5	<3	<3	74	.79	.008	2	1199	10.41	32	.09	67	3.30	.01	.05	<2	86	668	1056
12749	1	6515	254	199	9.0	3966	133	910	13.01	38	<8	<2	<2	42	.4	8	<3	114	6.65	<.001	3	623	3.36	8	.03	<3	3.44	<.01	.01	<2	77	925	2085
12750	<1	1154	3	53	.4	3013	170	799	8.70	8	<8	<2	<2	22	.6	<3	<3	32	3.60	.005	1	600	15.39	11	.03	30	1.22	<.01	.02	<2	6	57	103
RE 12750	<1	1160	4	54	.4	3054	171	807	8.80	7	<8	<2	<2	23	1.1	<3	<3	32	3.63	.004	1	604	15.53	11	.03	34	1.23	<.01	.03	<2	5	50	85
STANDARD C3/FA100	25	63	37	166	5.9	36	12	760	3.58	55	23	3	19	33	24.2	16	25	82	.62	.087	18	174	.68	155	.11	20	2.04	.04	.18	20	50	51	50

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.

ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB

- SAMPLE TYPE: ROCK AU** PT** PD** BY FIRE ASSAY & ANALYSIS BY ULTRA/ICP. (30 gm)

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 14 1997

DATE REPORT MAILED: July 21/97

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

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**	Pt**	Pd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm
12777	<1	11	4	9	<.3	102	5	272	1.37	2	<8	<2	3	34	<.2	<3	<3	13	4.60	.030	23	14	.39	58	<.01	15	.87	.03	.18	2	5	<1	1
12778	1	688	6	65	.8	1396	56	780	4.75	<2	<8	<2	2	149	<2	<3	51	17.37	.025	10	445	3.37	26	.05	21	2.75	.01	.08	2	25	131	132	
12779	<1	3499	10	96	1.9	3987	167	716	6.88	4	<8	<2	<2	66	2.1	<3	82	8.51	.024	7	935	6.73	37	.14	50	2.25	.02	.09	4	86	454	573	
12780	1	2595	<3	67	.8	4486	192	642	7.08	3	<8	<2	<2	21	1.3	<3	73	4.52	.024	6	1088	8.74	40	.13	44	2.11	.01	.09	2	67	279	376	
12781	<1	2058	<3	61	.5	3593	184	826	8.76	<2	<8	<2	<2	4	.7	<3	66	1.21	.022	3	976	14.00	57	.11	67	2.18	<.01	.12	<2	24	238	322	
12782	<1	2381	<3	67	.6	4128	215	839	9.28	<2	<8	<2	<2	4	1.0	<3	78	.96	.026	4	1078	12.84	74	.13	59	2.45	.01	.18	2	12	144	215	
12783	<1	1240	<3	52	<.3	3907	187	911	8.60	<2	<8	<2	4	1.1	<3	38	.67	.020	3	537	16.28	46	.06	81	1.57	<.01	.10	2	16	224	303		
12784	<1	702	<3	47	.3	2902	157	916	8.24	<2	<8	<2	4	1.0	<3	26	.85	.015	3	520	17.04	33	.05	85	1.32	<.01	.08	<2	14	168	232		
12785	<1	748	4	45	.5	3508	174	972	8.47	<2	<8	<2	3	1.1	<3	29	.86	.015	4	728	18.86	30	.05	79	1.33	<.01	.06	<2	17	102	140		
12786	<1	628	<3	48	.5	2842	154	892	8.12	<2	<8	<2	3	1.1	<3	26	.70	.014	3	609	18.59	27	.04	82	1.13	<.01	.07	<2	10	92	138		
12787	<1	803	3	56	.6	2962	151	892	7.27	<2	<8	<2	3	1.0	<3	24	.45	.013	3	602	17.62	21	.03	89	1.01	<.01	.05	<2	23	163	226		
12788	<1	405	<3	41	.4	3106	157	858	7.72	<2	<8	<2	4	1.2	<3	3	.21	.015	3	648	18.70	15	.03	88	.93	<.01	.06	<2	11	148	177		
RE 12788	<1	391	<3	40	.3	3041	153	854	7.69	<2	<8	<2	4	1.0	<3	24	.20	.014	2	641	18.78	14	.03	86	.92	<.01	.06	<2	10	150	178		
12789	<1	530	<3	48	<.3	3120	164	819	8.02	<2	<8	<2	4	1.0	<3	23	.08	.012	2	594	19.29	12	.02	106	.94	<.01	.05	<2	12	121	156		
12790	<1	502	<3	51	.4	2622	139	869	7.73	22	<8	<2	8	.6	4	4	.29	.016	4	845	17.88	25	.03	92	1.13	<.01	.05	<2	13	139	185		
12791	<1	65	5	33	<.3	208	12	297	1.53	6	<8	<2	19	<.2	4	4	.89	.027	6	67	1.82	40	.02	7	.81	.07	.17	3	3	9	14		
12792	5	3823	6	47	2.8	5671	238	190	21.60	5	<8	<2	3	9	.7	<3	62	3.80	.014	4	167	1.32	25	.05	18	1.19	.01	.05	2	257	2165	1160	
STANDARD C3/FA100	24	62	35	142	5.3	34	11	716	3.28	46	19	4	17	28	22.7	16	19	79	.56	.085	19	166	.58	142	.10	21	1.81	.03	.15	20	48	47	46

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.
 ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPM
 - SAMPLE TYPE: ROCK AU** Pt** & Pd** BY FIRE ASSAY & ANALYSIS BY ULTRA/ICP. (30 GM)
 Samples beginning 'RE' are Retuns and 'RRE' are Reject Returns.

DATE RECEIVED: SEP 10 1997 DATE REPORT MAILED: *Sept 22/97* SIGNED BY: *C. h...* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

STATEMENT OF QUALIFICATIONS

I, John P. McGoran of 2111 West 34th Avenue, Vancouver, B.C. , hereby certify that:

1. I am a graduate of Carleton University (1972) and hold a B.Sc. Degree in Geology.

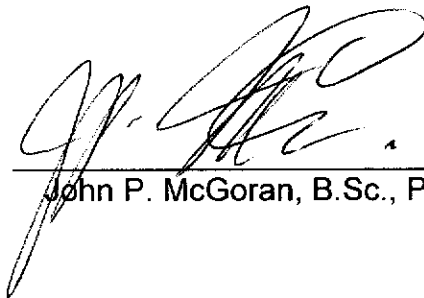
2. I am a member in good standing of the following associations:

Canadian Institute of Mining and Metallurgy
Geological Association of Canada
American Institute of Mining Engineers
Prospectors and Developers Association of Canada
Association of Professional Engineers and Geoscientists of BC.

3. I have prospected for twelve years.

4. I have been employed in my profession as an exploration geologist, geochemist and consultant for the last forty years.

DATED at Vancouver, British Columbia, this 28 day of July 1998



John P. McGoran, B.Sc., P. Geo. (Geologist)