

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORTS

DATE RECEIVED
AUG 23 1995

GEOCHEMICAL
ASSESSMENT REPORT

ON THE
PAYCO & CINCINNATTI PROPERTIES

PAYCO 1-4 AND CINCINNATTI 1-6 MINERAL CLAIMS

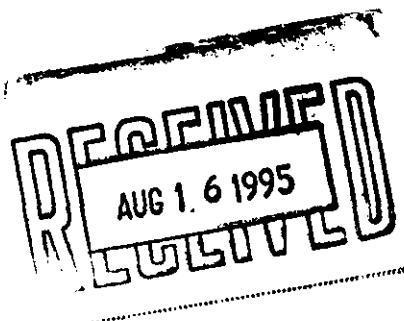
ASPEN GROVE AREA

NICOLA MINING DIVISION, B.C.

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

24,019

NTS: 092H/15E
LATITUDE: 49° 54'35"N
LONGITUDE: 120° 35'15"W
OWNER: W.R. Gilmour
OPERATOR: Discovery Consultants
AUTHORS: T.H. Carpenter, P.Geo.
DATE: August 2, 1995



FILMED

TABLE OF CONTENTS

SUMMARY	Page 1
LOCATION AND ACCESS	Page 2
TOPOGRAPHY	Page 2
PROPERTY	Page 3
HISTORY	Page 4
GENERAL GEOLOGY	Page 5
WORK COMPLETED	Page 6
1. ROCK SAMPLING	
a) PROGRAM PARAMETERS	
b) PROGRAM RESULTS	
2. SOIL SAMPLING	
a) PROGRAM PARAMETERS	
b) PROGRAM RESULTS	
CONCLUSIONS	Page 9
RECOMMENDATIONS	Page 10
REFERENCES	Page 11
STATEMENT OF COSTS	Page 12
STATEMENTS OF QUALIFICATIONS	Page 13

LIST OF FIGURES

FIGURE 1	Property Location	Following Page 2
FIGURE 2	Claim Location (1:50,000)	Following Page 3
FIGURE 3	Copper Values in Soil and Rock Samples (1:5,000)	In Pocket
FIGURE 4	Gold Values in Soil Samples (1:5,000)	In Pocket

APPENDICES

APPENDIX 1	Soil Sample Analytical Results
APPENDIX 2	Rock Sample Descriptions
APPENDIX 3	Rock Sample Analytical Results
APPENDIX 4	Analytical Procedures

SUMMARY

The Payco/Cincinnati property is host to porphyry copper type mineralization within the central volcanic facies of Upper Triassic Nicola volcanic rocks.

The property is located immediately west of Alleyne Lake in the Fairweather Hills, 4.5 km southeast of Aspen Grove.

Exploration has been carried out on the property since 1899 and has included open cuts and tunnelling on the former Cincinnati and Bank of England Crown-granted claims and extensive trenching and drilling.

The prospect was estimated in 1966 to contain measured, indicated and inferred reserves of 1,800,000 tonnes of 1% Cu. A later reserve estimate placed drill indicated reserves at 54,000 tonnes of 0.9% Cu.

LOCATION AND ACCESS

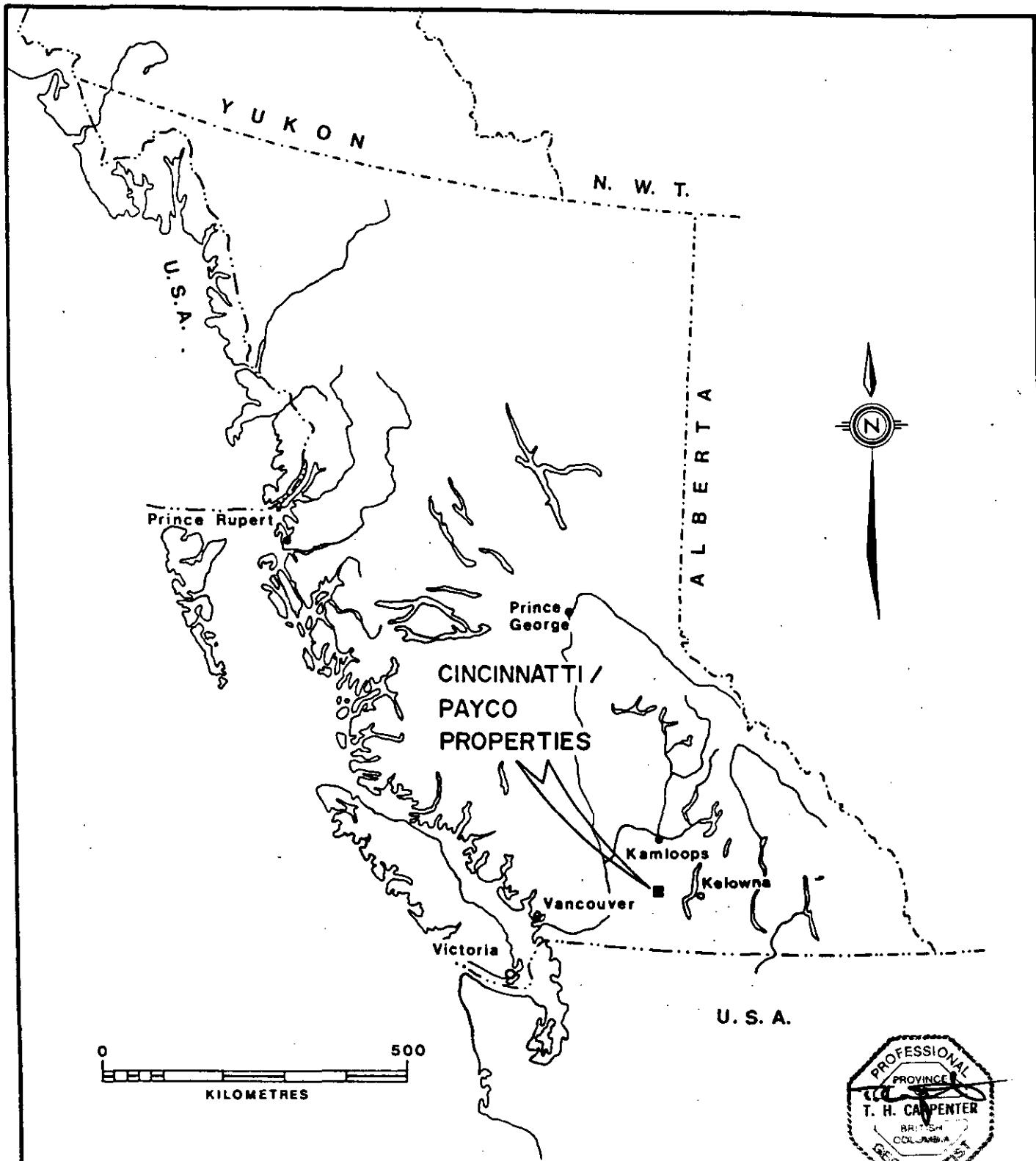
The Payco/Cincinnati property is located in NTS map sheet 092H/15E and is centred at latitude 49°54'35" north and longitude 120°35'15" west, 1.5 km west of the south end of Alleyne Lake (Figure 1).

Access to the property can be gained via the Kentucky-Alleyne Lake road which leaves highway 5 approximately 35 kilometres south of Merritt.

TOPOGRAPHY

The Payco/Cincinnati claims are located at the southern end of the Fairweather Hills.

This is an area of predominantly rolling hills with elevations ranging from 1000 m at Alleyne Lake to 1300 m on the highest part of the claims.



DISCOVERY

Consultants

**CINCINNATTI / PAYCO
PROPERTIES**

PHOENIX SYNDICATE

LOCATION MAP

DATE: 95.8.02

PROJECT: 618

SCALE: As Shown

N.T.S.: 92H/15E

M.D.: NICOLA

FIGURE: 1

DWG-618-001

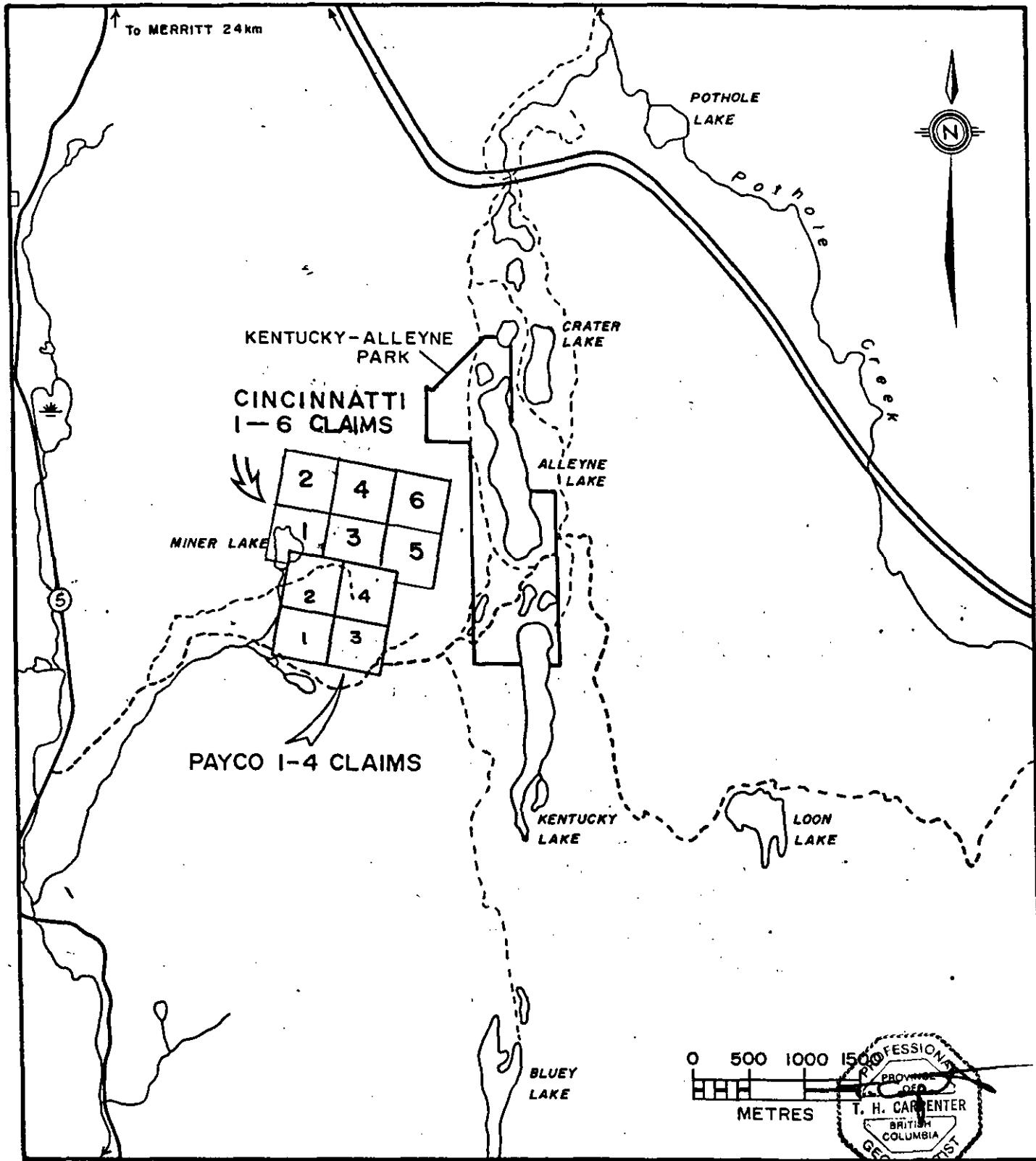
PROPERTY

The Payco/Cincinnati property (Figure 2) comprises ten two-post claims designated Payco 1-4 and Cincinnati 1-6 located by Richard G. Mitchell on May 18 and September 1, 1994 and recorded in Vernon, B.C. on June 2 and September 1, 1994.

<u>Claim Name</u>	<u>Record No.</u>	<u>Owner of Record</u>	<u>Anniversary Date *</u>
Payco 1	325867	W.R. Gilmour	May 18, 1999
Payco 2	325868	W.R. Gilmour	May 18, 1999
Payco 3	325869	W.R. Gilmour	May 18, 1999
Payco 4	325870	W.R. Gilmour	May 18, 1999
Cincinnati 1	330586	W.R. Gilmour	September 1, 1999
Cincinnati 2	330587	W.R. Gilmour	September 1, 1999
Cincinnati 3	330588	W.R. Gilmour	September 1, 1999
Cincinnati 4	330589	W.R. Gilmour	September 1, 1999
Cincinnati 5	330590	W.R. Gilmour	September 1, 1999
Cincinnati 6	330591	W.R. Gilmour	September 1, 1999

The claims are owned by W.R. Gilmour in trust for the Phoenix Syndicate.

* Pending acceptance of this report.



DISCOVERY

Consultants

PHOENIX SYNDICATE

**CINCINNATTI / PAYCO
PROPERTIES**

CLAIM LOCATION MAP

HISTORY

Between 1899 and 1903 considerable development work was carried out on the former Cincinnati (L.1127) and Bank of England (L. 1130) Crown-granted claims on what is now the Payco/Cincinnati property.

From 1963 to 1967 the claims were part of a larger property explored by Payco Mines Ltd. Work included trenching, diamond and percussion drilling, surface exploration and an IP survey.

In 1973 Gold River Mines & Enterprises Ltd. carried out geological mapping, magnetic and electromagnetic surveys over 39 line kilometres and 1000 metres of diamond and percussion drilling.

No further work was undertaken until 1979 when Sienna Developments Ltd. carried out a limited drill program based on the results of the 1973 work.

In 1992 the occurrence was sampled by Pacific Copperfields.

The Cincinnati/Payco prospect was estimated in 1966 to contain measured, indicated and inferred reserves of 1,800,000 tonnes of 1% Cu. A later reserve estimate indicated reserves at 54,000 tonnes of 0.9% copper.

GENERAL GEOLOGY

The Payco/Cincinnati prospect is located in the southern portion of an area of hilly upland, known as the Fairweather Hills, which is situated in the centre of the Aspen Grove Copper Camp. The Fairweather Hills area is underlain by the central volcanic facies of the Upper Triassic Nicola Group which is composed of intermediate, feldspar and feldspar augite porphyritic pyroclastic rocks and flows and associated alkaline intrusions. The intrusions vary from diorite to monzonite in composition and are thought to be comagmatic with the Nicola Group, ranging in age from Late Triassic to early Jurassic.

The Aspen Grove Copper Camp is part of a large structural zone known as the Princeton-Kamloops Copper Belt. This belt extends from Copper Mountain at Princeton to the Iron Mask batholith near Kamloops. Mineralization is strongly controlled along this belt by faults of the Allison Creek and Summers Creek fault systems.

WORK COMPLETED

The 1995 work program on the Payco/Cincinnati property comprised the collection and analysis of 39 soil and 15 rock samples. The results of the soil and rock sampling are discussed below.

Soil Sampling

a) Program Parameters

Soil samples on the Payco/Cincinnati claims were collected at 50 metre intervals on approximately east-west lines on the Cincinnati 2, 4 & 6 claims and on the Payco 1 claim. These lines are approximately 1175 metres apart and were designed to crosscut potentially mineral bearing structures.

Samples were collected by shovel from the "B" horizon at an average depth of 30 cm, placed in 4"x9" kraft sample bags and shipped to Bondar-Clegg & Company Ltd. in North Vancouver. At Bondar-Clegg the samples were dried and sieved to -80 mesh preparatory to 30g, fire assay/A.A. gold geochemistry and standard 34 element ICP analysis.

b) Program Results

The maximum copper values detected on the soil line 200N across the Cincinnati claims were 136, 100 and 143 ppm Cu respectively from 100E to 200E.

The maximum gold value obtained was 39 ppb Au at 050E bounding to the west of the anomalous copper.

Other base metal values are generally low, with a maximum of 16 ppm Pb and 119 ppm Zn. Analytical results are contained in Appendix 1. Copper and gold values are shown on Figures 3 and 4.

Sampling appears to indicate a potential copper zone near the west boundary of the Cincinnati 2 claim, bounded to the west by anomalous gold values. Line orientation does not permit a trend for this mineralization but presumably it would be parallel to mineralized structures in the area.

Rock Sampling

a) Program Parameters

Fifteen rock samples were collected from the Payco/Cincinnati claims, nine on the Cincinnati 5 & 6 claims and six on the Payco 1-3 claims.

Rock samples were collected from mineralized and non-mineralized outcrops on the claims. The rock samples were also shipped to Bondar-Clegg in North Vancouver. The rock samples were crushed and as with the soil samples were assayed for 30g, fire assay/A.A. gold geochemistry and by standard 34 element ICP analysis.

b) Program Results

Three of fifteen rock samples collected on the Payco/Cincinnati claims contained in excess of 2% Cu. The maximum value obtained was 2.99% Cu in sample 618-L.

As with the soil samples, accompanying Pb and Zn values were

uniformly low. Gold values were also low with a maximum value of 18 ppb.

Rock geochemical analysis and sample descriptions are contained in Appendices 2 and 3. Sample locations and copper values are shown on Figure 3.

CONCLUSIONS

Anomalous copper and gold values in soils have been detected in the western part of the Cincinnati claim. The gold values appear to be peripheral to the copper values in soils. The orientation of the mineralization is undetermined.

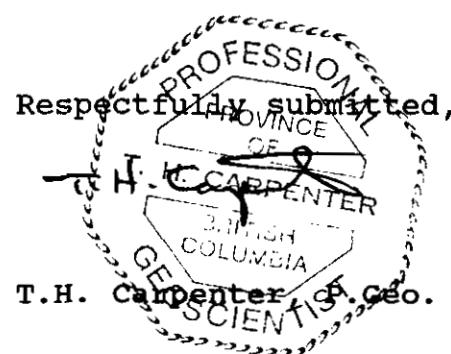
Copper in outcrop with values to 3% was detected on the Cincinnati 5 & 6 claims. This mineralization is contained in an area of old workings. No associated gold values were noted with this mineralization.

RECOMMENDATIONS

Additional soil sampling is recommended on the Payco/Cincinnati claims to determine the lateral extent of anomalous copper and gold detected in soil samples.

Magnetometer and electromagnetic surveys are recommended to delineate potentially mineralized structures in the area.

Data from previous surveys should also be examined and integrated into the present survey.



Vernon, B.C.
August 2, 1995

REFERENCES

British Columbia Ministry of Energy, Mines and Petroleum Resources (MEMPR) Annual Reports.

1899 - pg. 742 - 743
1900 - pg. 899
1901 - pg. 1089, 1182
1903 - pg. 246
1904 - pg. 239
1905 - pg. 203
1913 - pg. 223
1915 - pg. 226
1928 - pg. 223
1963 - pg. 55-56
1964 - pg. 96
1965 - pg. 156
1966 - pg. 168-169
1967 - pg. 174

British Columbia Ministry of Energy, Mines and Petroleum Resources - Geology, Exploration and Mining in British Columbia.

1977 - pg. 125

British Columbia Ministry of Energy, Mines and Petroleum Resources - Exploration in British Columbia

1978 - pg. E152
1979 - pg. 156

British Columbia Ministry of Energy, Mines and Petroleum Resources - Assessment Reports

#3758, 7029, 7050, 7654, 14108, 21678

Preto, V.A., Geology of the Nicola Group between Merritt and Princeton, BCMEMPR Bulletin #69, 1979.

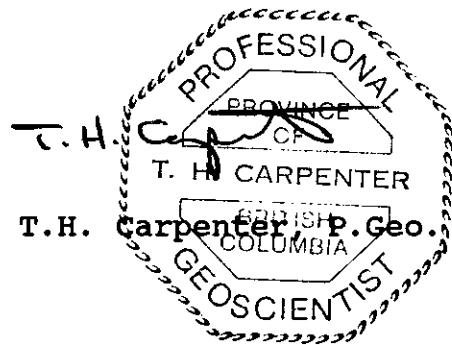
STATEMENT OF COSTS

1.	Professional Services	
	W.R. Gilmour, P.Geo.	
	0.25 days @ \$400/day	\$ 100.00
	T. Carpenter, P.Geo.	
	Supervision & report writing	
	2.5 days @ \$380/day	<u>950.00</u> \$ 1050.00
2.	Field Personnel	
	Soil & rock sampling (Apr 10-12)	
	R. Mitchell	
	3 days @ \$256.36/day	769.08
3.	Transportation: 4 x 4 truck -	
	(April 10-12)	290.10
4.	Geochemical Analyses	
	a) sample preparation	
	39 soils samples @ 3.70	\$ 144.30
	15 rock samples @ 4.25	63.75
	b) analyses	
	30g gold geochem; 34-element ICP	
	39 soil samples @ \$16/sample	624.00
	15 rock samples @ \$16/sample	240.00
	3 copper assays @ \$9.50	<u>28.50</u> 1100.55
5.	Drafting	400.00
6.	Data compilation, secretarial	200.00
7.	Field supplies and equipment rental	123.05
8.	Printing, data processing, telephone, shipping	<u>150.00</u>
	Total	<u>\$ 4082.78</u>

STATEMENT OF QUALIFICATIONS

I, THOMAS H. CARPENTER of 3902 14th Street, Vernon, B.C., V1T 3V2, DO HEREBY CERTIFY that:

1. I am a consulting geologist in mineral exploration associated with Discovery Consultants, Vernon, B.C.
2. I have been practising my profession for 24 years.
3. I am a graduate of the Memorial University of Newfoundland with a Bachelor of Science degree in geology.
4. I am a Professional Geoscientist with the Association of Professional Engineers and Geoscientists of British Columbia.
5. This report is based upon knowledge of the Payco/Cincinnati property gained from supervision.
6. I hold no interest either directly or indirectly in the Payco/Cincinnati property.



Vernon, B.C.
August 2, 1995

APPENDIX 1

Soil Sample Analytical Results

Date of Report: 95.05.08

Payco/Cincinnati Properties

Project 623

Soil Sample Analyses
1995

Reference: v95-0417.0

Sample ID	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Cd ppm	Mo ppm	As ppm	Sb ppm	Bi ppm	Ni ppm	Co ppm	Cr ppm	Fe %
0200N 0400W	.5	.02	55	6	89	<0.2	3	.5	.5	.5	25	13	47	3.69
0200N 0350W	.5	.02	43	3	75	<0.2	2	.5	.5	.5	22	12	40	3.51
0200N 0300W	.5	.02	70	3	62	<0.2	3	.5	.5	.5	30	16	54	4.26
0200N 0250W	.5	.02	72	7	119	<0.2	2	.5	.5	.5	24	15	25	2.79
0200N 0200W	.5	.02	88	5	86	<0.2	3	.5	.5	.5	23	16	40	3.76
0200N 0150W	7	.02	55	5	78	<0.2	2	.5	.5	.5	21	14	35	3.76
0200N 0100W	.5	.02	87	6	92	<0.2	2	.5	.5	.5	17	11	19	2.24
0200N 0050W	.5	.02	55	7	94	<0.2	2	.5	.5	.5	20	12	30	3.21
0200N 0000E	26	.03	80	16	76	0.3	4	.5	.5	.5	22	14	42	3.75
0200N 0050E	39	.02	85	14	79	0.2	3	.5	.5	.5	28	16	50	4.31
0200N 0100E	8	.02	136	5	67	0.2	2	.5	.5	.5	20	13	34	3.45
0200N 0150E	6	.02	100	5	76	0.2	3	.5	.5	.5	24	16	47	4.23
0200N 0200E	6	.02	143	7	61	0.2	2	.5	.5	.5	25	13	38	3.47
0200N 0250E	.5	.02	45	3	64	<0.2	2	.5	.5	.5	18	11	48	3.34
0200N 0300E	.5	.02	41	5	66	<0.2	2	.5	.5	.5	20	11	48	3.43
0200N 0350E	.6	.02	53	5	62	<0.2	3	.5	.5	.5	23	13	52	3.73
0200N 0400E	.5	.02	43	3	61	<0.2	2	.5	.5	.5	20	12	46	3.65
0200N 0450E	.5	.02	30	5	75	<0.2	2	.5	.5	.5	16	11	36	3.09
0200N 0500E	.5	.02	54	3	67	<0.2	2	.5	.5	.5	23	14	59	3.89
0200N 0550E	.5	.02	42	5	78	<0.2	2	.5	.5	.5	18	11	38	3.45
0200N 0600E	.5	.02	57	6	84	<0.2	3	.5	.5	.5	18	13	31	3.50
0200N 0650E	.6	.02	70	6	86	<0.2	3	.5	.5	.5	20	14	35	3.73
0200N 0700E	.5	.02	54	6	81	<0.2	3	.5	.5	.5	18	13	34	3.78
0200N 0750E	11	.03	90	6	67	<0.2	3	.5	.5	.5	23	13	38	4.03
0200N 0800E	.5	.02	48	5	73	<0.2	2	.5	.5	.5	18	12	31	3.51
0200N 0850E	.5	.02	75	6	90	<0.2	3	.5	.5	.5	18	13	26	3.52
0200N 0900E	.5	.02	21	5	65	<0.2	2	.5	.5	.5	13	8	20	2.53
0200N 0950E	.5	.02	56	5	68	<0.2	2	.5	.5	.5	16	11	26	3.39
0200N 1000E	.5	.02	71	5	70	<0.2	2	.5	.5	.5	15	11	25	3.40
0200N 1050E	.5	.02	18	5	51	<0.2	1	.5	.5	.5	8	6	10	1.93
0200N 1100E	.5	.02	22	5	98	<0.2	2	.5	.5	.5	10	10	16	2.96
0200N 1150E	.5	.02	51	7	72	<0.2	2	.5	.5	.5	14	8	20	2.71
0200N 1200E	.5	.02	21	3	52	<0.2	2	.5	.5	.5	12	8	26	2.82
1000S 0200E	.5	.02	81	3	57	<0.2	2	.5	.5	.5	24	13	48	3.80
1000S 0250E	.5	.02	48	5	64	<0.2	2	.5	.5	.5	17	11	37	3.25
1000S 0300E	.5	.02	71	9	87	<0.2	3	.5	.5	.5	23	14	34	3.75
1000S 0350E	.5	.02	27	6	86	<0.2	2	.5	.5	.5	56	13	70	2.46
1000S 0400E	.5	.02	35	7	68	<0.2	2	.5	.5	.5	21	11	34	2.98
1000S 0450E	14	.02	71	3	70	<0.2	2	.5	.5	.5	24	14	53	3.81

Reruns:

0200N 0350E	6	.02	56	5	64	<0.2	3	.5	.5	.5	24	13	56	3.89
0200N 1200E	.5	.02	21	3	52	<0.2	2	.5	.5	.5	12	8	26	2.79
0200N 0300W	7													

Payco/Cincinnati Properties

Soil Sample Analyses (part 2)

Sample ID	Mn ppm	Ba ppm	V ppm	Sr ppm	Y ppm	La ppm	Te ppm	Sn ppm	W ppm	Al %	Mg %	Ca %	Na %	K %
0200N 0400W	722	149	84	55	6	5	<10	<20	<20	2.16	0.99	0.65	0.03	0.14
0200N 0350W	484	113	83	53	3	4	<10	<20	<20	2.01	0.92	0.59	0.03	0.14
0200N 0300W	375	106	103	57	6	5	<10	<20	<20	2.09	1.28	0.68	0.02	0.13
0200N 0250W	951	210	57	54	3	3	<10	<20	<20	2.80	1.21	0.66	0.03	0.11
0200N 0200W	792	162	88	59	7	5	<10	<20	<20	2.58	1.27	0.74	0.04	0.15
0200N 0150W	474	164	84	51	3	5	<10	<20	<20	2.68	1.14	0.53	0.02	0.11
0200N 0100W	840	180	46	47	3	3	<10	<20	<20	2.57	1.03	0.63	0.04	0.07
0200N 0050W	673	163	66	45	3	4	<10	<20	<20	2.44	0.86	0.57	0.02	0.14
0200N 0000E	712	131	86	60	6	5	<10	<20	<20	2.16	1.00	0.81	0.04	0.12
0200N 0050E	705	117	105	62	9	6	<10	<20	<20	2.01	1.18	0.84	0.03	0.23
0200N 0100E	662	159	75	61	9	5	<10	<20	<20	2.12	1.05	0.94	0.04	0.15
0200N 0150E	733	116	108	72	8	5	<10	<20	<20	1.93	1.06	0.85	0.03	0.18
0200N 0200E	550	236	69	58	9	5	<10	<20	<20	2.85	0.97	0.87	0.04	0.14
0200N 0250E	521	119	77	53	5	4	<10	<20	<20	1.67	0.69	0.82	0.03	0.13
0200N 0300E	475	121	79	48	7	5	<10	<20	<20	1.75	0.70	0.67	0.03	0.18
0200N 0350E	580	126	85	53	8	5	<10	<20	<20	1.90	0.87	0.71	0.03	0.18
0200N 0400E	666	131	86	49	6	5	<10	<20	<20	1.80	0.87	0.68	0.03	0.18
0200N 0450E	511	132	66	42	4	4	<10	<20	<20	1.80	0.60	0.54	0.03	0.17
0200N 0500E	519	116	85	56	6	5	<10	<20	<20	1.78	0.97	0.75	0.03	0.18
0200N 0550E	519	146	76	51	6	5	<10	<20	<20	1.96	0.81	0.66	0.03	0.17
0200N 0600E	601	150	75	55	8	5	<10	<20	<20	2.08	0.78	0.70	0.03	0.15
0200N 0650E	679	145	83	57	9	5	<10	<20	<20	2.06	0.93	0.82	0.03	0.23
0200N 0700E	456	139	85	56	8	5	<10	<20	<20	2.22	0.87	0.67	0.03	0.14
0200N 0750E	441	173	88	65	13	7	<10	<20	<20	2.71	1.06	0.80	0.03	0.13
0200N 0800E	623	152	75	48	6	5	<10	<20	<20	2.24	0.86	0.59	0.03	0.13
0200N 0850E	945	203	84	54	7	5	<10	<20	<20	2.53	1.01	0.67	0.02	0.08
0200N 0900E	470	129	54	38	2	3	<10	<20	<20	1.67	0.42	0.43	0.02	0.11
0200N 0950E	519	127	78	54	6	4	<10	<20	<20	2.02	0.71	0.65	0.03	0.18
0200N 1000E	695	212	79	101	5	4	<10	<20	<20	2.42	0.88	0.65	0.03	0.12
0200N 1050E	362	122	41	33	2	2	<10	<20	<20	1.45	0.21	0.42	0.04	0.08
0200N 1100E	1256	201	70	65	6	4	<10	<20	<20	2.01	0.61	0.72	0.03	0.18
0200N 1150E	339	165	50	45	9	5	<10	<20	<20	2.48	0.42	0.73	0.03	0.08
0200N 1200E	323	105	64	38	3	3	<10	<20	<20	1.59	0.49	0.47	0.03	0.11
1000S 0200E	558	97	95	57	8	5	<10	<20	<20	1.61	1.08	0.81	0.03	0.11
1000S 0250E	594	130	76	50	5	4	<10	<20	<20	1.83	0.70	0.62	0.02	0.16
1000S 0300E	875	153	88	41	6	5	<10	<20	<20	3.49	0.95	0.58	0.02	0.10
1000S 0350E	1065	161	55	50	3	3	<10	<20	<20	1.98	1.40	1.00	0.03	0.05
1000S 0400E	615	157	63	40	4	4	<10	<20	<20	2.26	0.78	0.56	0.03	0.15
1000S 0450E	572	170	89	62	10	5	<10	<20	<20	2.23	1.09	0.98	0.03	0.18

Reruns:

0200N 0350E	602	135	87	54	8	5	<10	<20	<20	1.98	0.91	0.73	0.03	0.19
0200N 1200E	334	109	63	40	3	3	<10	<20	<20	1.66	0.48	0.49	0.03	0.12

Payco/Cincinnati Properties

Soil Sample Analyses (part 3)

Sample ID	Ga ppm	Li ppm	Tl %	Ta ppm	Sc ppm	Nb ppm	Zr ppm
0200N 0400W	42	11	0.14	<10	7	<1	8
0200N 0350W	2	11	0.14	<10	5	<1	9
0200N 0300W	3	12	0.16	<10	7	<1	12
0200N 0250W	42	14	0.10	<10	45	<1	6
0200N 0200W	42	13	0.12	<10	7	<1	7
0200N 0150W	3	13	0.15	<10	6	<1	16
0200N 0100W	42	13	0.06	<10	45	<1	2
0200N 0050W	42	13	0.11	<10	5	<1	7
0200N 0000E	42	13	0.12	<10	6	<1	7
0200N 0050E	42	12	0.13	<10	8	<1	5
0200N 0100E	15	0.11	<10	6	<1	7	
0200N 0150E	42	12	0.16	<10	8	<1	7
0200N 0200E	22	0.14	<10	7	<1	15	
0200N 0250E	9	0.12	<10	45	<1	7	
0200N 0300E	10	0.13	<10	5	<1	8	
0200N 0350E	10	0.13	<10	7	<1	9	
0200N 0400E	10	0.13	<10	6	<1	8	
0200N 0450E	9	0.12	<10	45	<1	7	
0200N 0500E	10	0.14	<10	6	<1	8	
0200N 0550E	10	0.12	<10	6	<1	7	
0200N 0600E	11	0.13	<10	6	<1	7	
0200N 0650E	11	0.14	<10	7	<1	12	
0200N 0700E	3	12	0.15	<10	7	<1	10
0200N 0750E	5	14	0.15	<10	9	<1	22
0200N 0800E	11	0.13	<10	6	<1	10	
0200N 0850E	12	0.12	<10	6	<1	5	
0200N 0900E	9	0.10	<10	45	<1	5	
0200N 0950E	11	0.14	<10	6	<1	10	
0200N 1000E	12	0.14	<10	6	<1	9	
0200N 1050E	10	0.08	<10	45	<1	5	
0200N 1100E	11	0.15	<10	6	<1	10	
0200N 1150E	4	26	0.11	<10	45	<1	14
0200N 1200E	2	9	0.12	<10	45	<1	5
1000S 0200E	10	0.12	<10	6	<1	7	
1000S 0250E	10	0.13	<10	5	<1	8	
1000S 0300E	3	16	0.14	<10	6	<1	7
1000S 0350E	15	0.10	<10	45	<1	6	
1000S 0400E	2	13	0.10	<10	7	<1	4
1000S 0450E	2	12	0.13	<10	7	<1	7

Reruns:

0200N 0350E	42	11	0.14	<10	7	<1	11
0200N 1200E	2	9	0.12	<10	45	<1	6
0200N 0300W							

APPENDIX 2

Rock Sample Descriptions

Payco/Cincinnati

Rock Sample Descriptions

- 618-A Medium grained andesite. Moderate to high epidote alteration. Float from cliff trending 100° for ~ 350 m.
- 618-B Andesite. Mafic phenos to 2mm in fine grained red brown fine grained matrix. Similar composition to 618-D. Relatively unaltered.
- 618-C Fragmental. Medium red grey to red. Medium grained. Fragments to 3mm. Cut by calcite veinlets.
- 618-D Medium to coarse grained. Mafic phenos to 4mm in fine grained reddish grey matrix. Relatively unaltered.
- 623-E Fine to medium grained andesite with dark rusty brown limonite on fractures. Cut by occasional epidote stringers to 1mm.
- 623-F Medium to dark grey fine to medium grained andesite. 1 m chip from pit above 25 m long trench trending 060°. Malachite and carbonate on fractures. Minor epidote alteration.
- 623-G From long trench 5 m below road. Trends N-S for 20 m. Varies from fine grained andesitic rock to light brown highly epidotized andesite with ubiquitous malachite.
- 623-H To north of G. 20 m trench trending 170° 10 m above road. Red brown fine grained andesite (?) cut by epidote stringers. Cut by veinlets to 3 cm of pale grey fine grained siliceous material.
- 623-I 15 m chip sample along trench trending 166°. Medium grained, weakly to moderately epidotized. Spotty malachite. Limonite after pyrite on fractures.
- 623-J 10 m chip from trench trending 160°. Fine to medium grained. Rusty brown with ubiquitous limonite weathering. Patchy epidote alteration with occasional malachite staining on fractures. Andesite to basalt.
- 623-K Test pit or infilled shaft. Shear zone trending 050° /90° measures 2 m wide. Sample comprises malachite stained dark grey basalt/andesite. Weak to moderate limonite staining.
- 623-L 4 m chip sample from cliff face northwest of sample K. Cut by 1 m wide rusty zone. Ubiquitous pale green malachite. Fine to medium grained andesite/basalt.
- 623-M 5 m chip sample. Brecciated rusty andesite with spotty malachite. Weak to moderate epidote alteration. Fine to medium grained.
- 623-N 5 m chip sample from outcrop. Heavily fractured with flat-lying shear zone. Dark rusty brown with ubiquitous malachite. Andesite. Fine to medium grained.
- 623-O Red brown vesicular andesite/basalt. Vesicles filled with light grey carbonate. Fine to medium grained. Possible flow top?

APPENDIX 3

Rock Sample Analytical Results

Date of Report: 95.05.08

Payco/Cincinnati Properties

Project 618/623

Rock Sample Analyses 1995

Reference: v95-0417.0 (.6)

Sample ID	Au ppb	Ag ppm	Cu ppm	Cu %	Pb ppm	Zn ppm	Cd ppm	Mo ppm	As ppm	Sb ppm	Bi ppm	Ni ppm	Co ppm	Cr ppm
618-A	8	<0.2	153		2	54	<0.2	4	<5	<5	<5	7	22	40
618-B	6	<0.2	46		3	87	<0.2	3	<9	<5	<5	13	23	25
618-C	<5	<0.2	43		5	62	<0.2	3	<8	<5	<5	18	18	41
618-D	<5	<0.2	88		<2	68	<0.2	3	<5	<5	<5	21	22	55
623-E	6	<0.2	30		<2	86	<0.2	4	<5	<5	<5	6	23	18
623-F	11	3.1	>20000	2.06	18	12	<0.2	3	<5	<5	<5	6	19	19
623-G	10	4.7	11283		9	43	0.3	4	14	<5	<5	7	16	28
623-H	9	<0.2	152		2	108	<0.2	3	18	<5	<5	7	21	23
623-I	8	2.4	7582		8	70	<0.2	4	<5	<5	<5	5	24	24
623-J	9	7.9	10691		8	68	0.3	3	<5	<5	<5	7	18	26
623-K	16	1.6	>20000	2.38	17	21	<0.2	3	<5	<5	<5	5	52	12
623-L	9	1.4	>20000	2.99	18	12	<0.2	3	<5	<5	<5	3	22	17
623-M	10	2.9	5411		7	40	<0.2	4	<5	<5	<5	5	16	32
623-N	18	3.5	9202		6	41	<0.2	5	<5	<5	<5	5	57	18
618-O	8	<0.2	381		<2	80	<0.2	3	<5	<5	<5	35	24	65

Reruns:

618-O 6 3 >20000 2.07 16 11 <0.2 3 45 45 45 6 18 18

Payco/Cincinnati Properties

Rock Sample Analyses (part 2)

Sample ID	Fe %	Mn ppm	Ba ppm	V ppm	Sr ppm	Y ppm	La ppm	Te ppm	Sn ppm	W ppm	Al %	Mg %	Ca %	Na %
618-A	5.58	1167	36	224	62	9	7	<10	<20	<20	2.73	1.54	4.04	0.05
618-B	4.66	1449	70	142	46	9	6	<10	<20	<20	1.73	1.86	4.07	0.05
618-C	3.14	837	43	72	77	9	5	<10	<20	<20	2.08	1.72	3.91	0.07
618-D	4.45	874	28	169	24	7	6	<10	<20	<20	1.65	1.90	2.51	0.06
623-E	5.86	1234	61	182	39	9	7	<10	<20	<20	2.34	1.98	2.00	0.05
623-F	3.57	584	80	112	193	10	4	<10	<20	<20	2.19	1.60	2.42	0.04
623-G	4.13	752	151	147	246	11	5	<10	<20	<20	2.80	1.77	2.86	0.07
623-H	4.60	1158	53	143	121	10	6	<10	<20	<20	2.21	1.86	3.92	0.04
623-I	4.60	988	69	172	124	10	6	<10	<20	<20	3.35	1.87	4.07	0.05
623-J	3.67	636	68	124	166	11	5	<10	<20	<20	2.38	1.64	2.31	0.05
623-K	4.61	733	72	96	172	14	5	<10	<20	<20	1.95	1.91	1.25	0.04
623-L	3.85	590	56	136	215	9	5	<10	<20	<20	1.82	1.38	1.75	0.06
623-M	3.67	1539	704	165	572	9	5	<10	<20	<20	2.53	1.44	9.28	0.04
623-N	6.08	775	127	150	166	9	7	<10	<20	<20	2.68	2.03	1.29	0.06
618-O	4.62	1055	37	108	69	8	6	<10	<20	<20	2.37	2.40	2.26	0.06

Reruns:

618-0

623-F 3.5 565 78 109 180 10 4 <10 <20 <20 2.11 1.54 2.3 0.04

Payco/Cincinnati Properties

Rock Sample Analyses (part 3)

Sample ID	K %	Ga ppm	Li ppm	Ti %	Ta ppm	Sc ppm	Nb ppm	Zr ppm
618-A	0.07	4	12	0.12	<10	8	<1	7
618-B	0.41	<2	30	0.19	<10	10	<1	10
618-C	0.09	2	12	0.15	<10	8	<1	12
618-D	0.08	<2	14	0.15	<10	6	<1	7
623-E	0.11	<2	14	0.18	<10	10	<1	10
623-F	0.12	<2	9	0.23	<10	8	<1	8
623-G	0.17	3	14	0.27	<10	9	<1	14
623-H	0.14	<2	15	0.20	<10	11	<1	11
623-I	0.09	3	12	0.21	<10	10	<1	12
623-J	0.11	<2	11	0.23	<10	7	<1	10
623-K	0.16	<2	14	0.23	<10	9	<1	6
623-L	0.15	<2	11	0.21	<10	8	<1	9
623-M	0.09	<2	8	0.22	<10	10	<1	15
623-N	0.14	<2	17	0.26	<10	10	<1	11
618-O	0.08	<2	16	0.20	<10	6	<1	12

Reunions:

618-O
623-F 0.11 <2 9 0.22 <10 7 <1 8

APPENDIX 4

Analytical Procedures

ANALYTICAL PROCEDURES

Geochemical Analysis

by Bondar-Clegg :

ELEMENT	LOWER DETECTION LIMIT	EXTRACTION	METHOD
Au	Gold	5.0 ppb	fire-assay
Ag	Silver	0.2 ppm	HNO ₃ -HCl hot extr
Al*	Aluminum	0.02 %	HNO ₃ -HCl hot extr
As	Arsenic	5.0 ppm	HNO ₃ -HCl hot extr
Ba*	Barium	5.0 ppm	HNO ₃ -HCl hot extr
Bi	Bismuth	5.0 ppm	HNO ₃ -HCl hot extr
Ca*	Calcium	0.05 %	HNO ₃ -HCl hot extr
Cd	Cadmium	1.0 ppm	HNO ₃ -HCl hot extr
Co*	Cobalt	1.0 ppm	HNO ₃ -HCl hot extr
Cr*	Chromium	1.0 ppm	HNO ₃ -HCl hot extr
Cu	Copper	1.0 ppm	HNO ₃ -HCl hot extr
Fe*	Iron	0.01 %	HNO ₃ -HCl hot extr
Ga	Gallium	2.0 ppm	HNO ₃ -HCl hot extr
K*	Potassium	0.05 %	HNO ₃ -HCl hot extr
La*	Lanthanum	1.0 ppm	HNO ₃ -HCl hot extr
Li	Lithium	1.0 ppm	HNO ₃ -HCl hot extr
Mg*	Magnesium	0.05 %	HNO ₃ -HCl hot extr
Mn*	Manganese	0.01 %	HNO ₃ -HCl hot extr
Mo*	Molybdenum	1.0 ppm	HNO ₃ -HCl hot extr
Na*	Sodium	0.05 %	HNO ₃ -HCl hot extr
Nb	Niobium	1.0 ppm	HNO ₃ -HCl hot extr
Ni*	Nickel	1.0 ppm	HNO ₃ -HCl hot extr
Pb	Lead	2.0 ppm	HNO ₃ -HCl hot extr
Sb*	Antimony	5.0 ppm	HNO ₃ -HCl hot extr
Sc	Scandium	5.0 ppm	HNO ₃ -HCl hot extr
Sn*	Tin	20.0 ppm	HNO ₃ -HCl hot extr
Sr*	Strontium	1.0 ppm	HNO ₃ -HCl hot extr
Ta	Tantalum	10.0 ppm	HNO ₃ -HCl hot extr
Te*	Tellurium	10.0 ppm	HNO ₃ -HCl hot extr
Ti	Titanium	0.01 %	HNO ₃ -HCl hot extr
V*	Vanadium	1.0 ppm	HNO ₃ -HCl hot extr
W*	Tungsten	10.0 ppm	HNO ₃ -HCl hot extr
Y	Yttrium	1.0 ppm	HNO ₃ -HCl hot extr
Zn	Zinc	1.0 ppm	HNO ₃ -HCl hot extr
Zr	Zirconium	1.0 ppm	HNO ₃ -HCl hot extr

- Please note: certain mineral forms of those elements above marked with an asterisk will not be soluble in the HNO₃/HCl extraction. The ICP data will be low biased.

LEGEND

- 25 Soil sample location
Values shown in parts per million Copper
- - Indicates value less than detection limit for element
- × 618-A Rock sample location
Values shown in parts per million Copper
- × - Indicates value less than detection limit for element

True North - Kentucky - Alpine Park

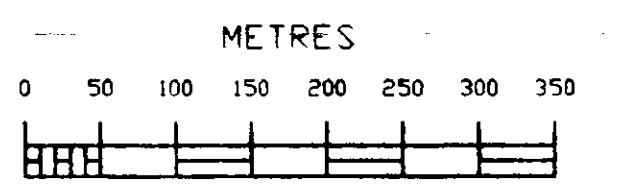
GEOLOGICAL BRANCH ASSESSMENT REPORT

24,019

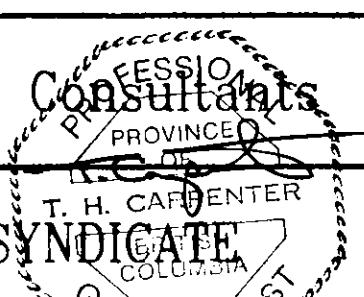
DRAVN October 7/1994
Revised April 18/1995
June 6/1995

DWG-618-618.dwg

Topographic contour interval = 100 feet



DISCOVERY



PHOENIX SYNDICATE

PAYCO-CINCINNATTI PROPERTY

Copper Values
in Soil and Rock Samples



DATE: Oct. 7/1994	SCALE: 1:5000
PROJECT: 618	NTS: 92H/15E
FIGURE: 3	Nicola Mining Division

