GEOCHEMICAL REPORT

ON

BARNATO ONE GROUP

GREENWOOD MINING DIVISION

82E/7W

49° 25' N, 118° 55' W

FOR

CARMAC RESOURCES LTD.

F.G. Hewett, P. Eng.

May 4, 1982

Vancouver, B.C.

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APPENDICES

ILLUSTRATIONS

1. SUMMARY & CONCLUSIONS:

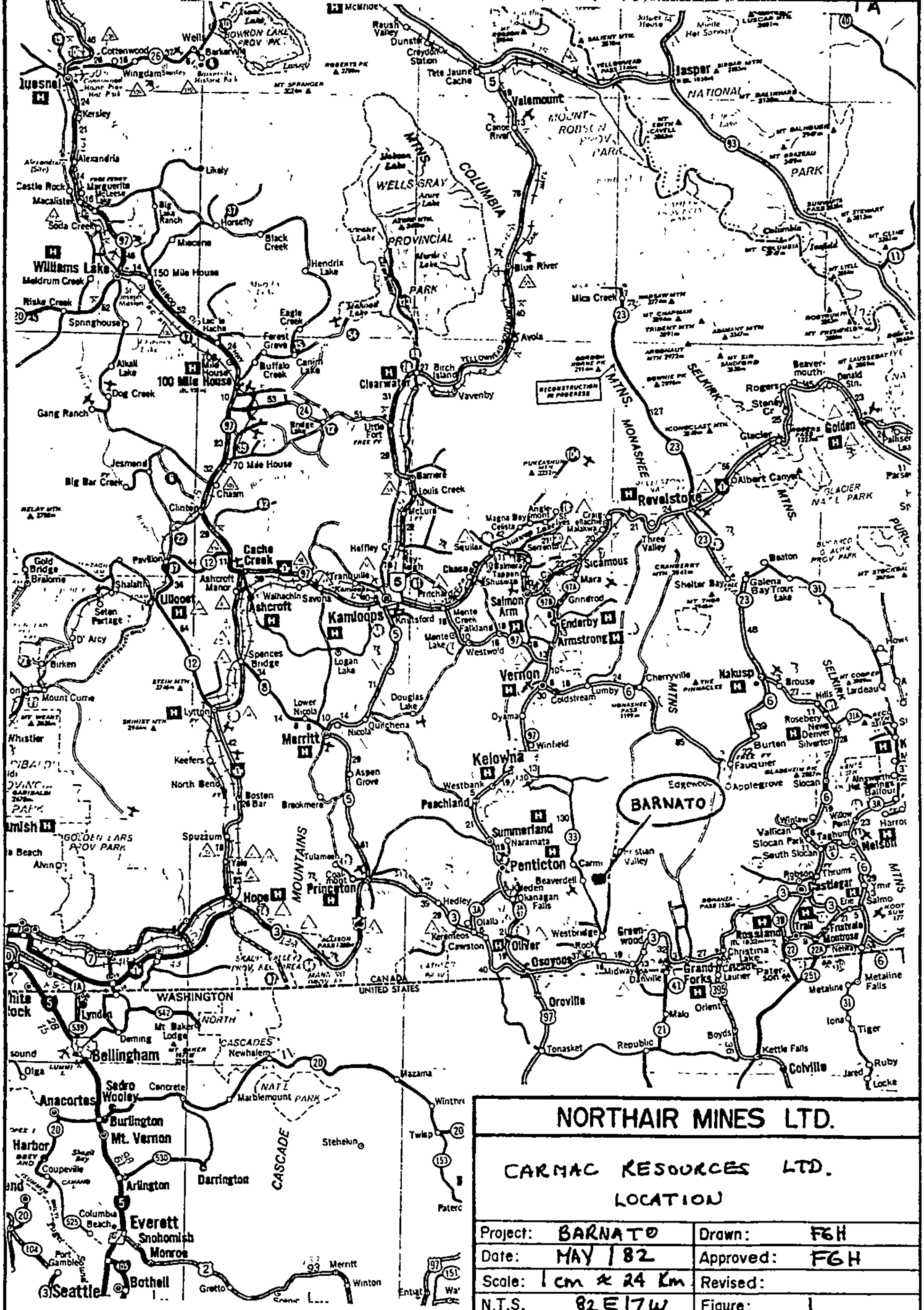
Gold mineralization has been known to occur on the Barnato One Group of claims since the late 1800s. In 1981 Carmac Resources Ltd. conducted a geochemical survey over a portion of the group and encountered spotty significant anomolous gold values. These values are considered consistent with previous geological interpretations of gold mineralization occurring in irregular veinlets and aggregations of pyrite, pyrrhotite and arsenopyrite in volcanic rocks. Potential exists for economic mineralization both in the vein systems, and also in associated intrusive dykes and quartz diorite bodies. Further exploration is warranted.

2. RECOMMENDATIONS:

The geological mapping program initiated in 1981 should be continued, as an understanding of the geological environment is critical to this property. Geochemical and geophysical surveys should be carried out in conjunction with and/or subsequent to mapping. Trenching, sampling and diamond drilling should then be conducted on selected areas.

3. INTRODUCTION:

In 1981, Carmac Resources Ltd. conducted an exploration program on the Barnato Group as a result of encouraging results obtained in 1980. This program consisted of geological mapping at a scale of 1:1000, geochemical surveys, geophysical S.P. and magnetometer surveys, trenching, sampling and diamond drilling.



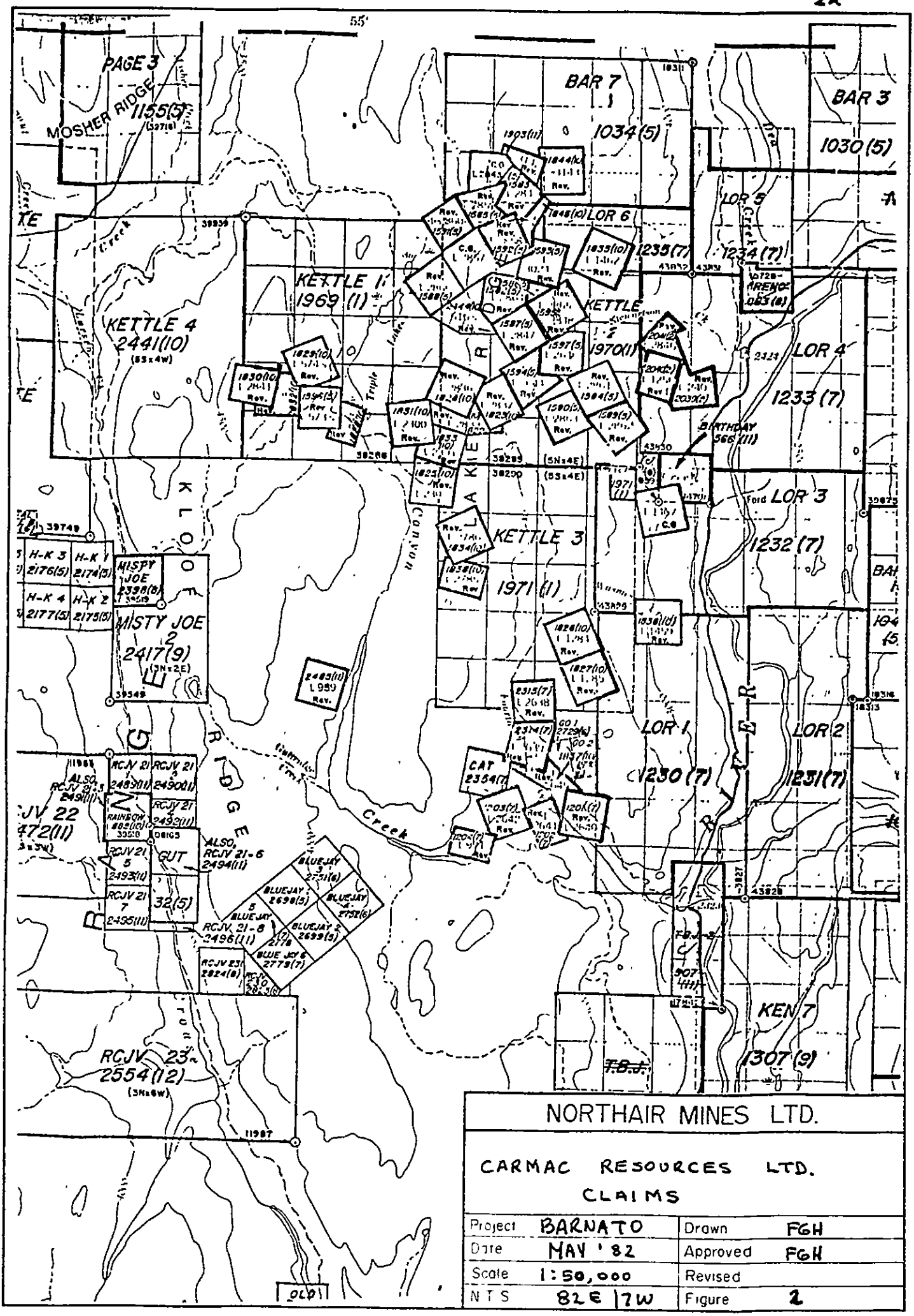
NORTHAIR MINES LTD.

CARMAC RESOURCES LTD.
LOCATION

Project:	BARNATO	Drawn:	FGH
Date:	MAY / 82	Approved:	FGH
Scale:	1 cm ≈ 24 Km	Revised:	
N.T.S.	82 E 17 W	Figure:	1

The exploration crew consisted of a geologist, prospector, and senior and junior assistants. Accommodation and support services were obtained in the village of Beaverdell, and daily access to the property utilized a four wheel drive vehicle.

This report is a compilation of geochemical data collected during the 1980 and 1981 field seasons. Only appropriate 1981 cost figures have been used.



NORTHAIR MINES LTD.

CARMAC RESOURCES LTD.
CLAIMS

Project	BARNATO	Drawn	FGH
Date	MAY '82	Approved	FGH
Scale	1:50,000	Revised	
NTS	82E 7W	Figure	2

4. PROPERTY OWNERSHIP:

The Barnato One Group consists of 99 claims held by various owners and under option to Carmac Resources Ltd. Work described in this report applys to the following reverted Crown-granted mineral claims owned by Mr. G. Bleiler of Surrey, B.C.

NAME	UNITS	C.G.#	RECORD #	RECORD DATE
Mame	1	2864	1582	May 22, 1979
Silver Dollar	1	2842	1583	May 22, 1979
Rambler	1	2861	1584	May 22, 1979
Hunter	1	2859	1585	May 22, 1979
Barnato Fr.	1	2865	1586	May 22, 1979
Hackla	1	2847	1587	May 22, 1979
Anchor	1	2866	1588	May 22, 1979
Denver	1	2862	1589	May 22, 1979
Champion	1	2863	1590	May 22, 1979
Utopia	1	2860	1591	May 22, 1979
Monetor	1	2858	1592	May 22, 1979
Yorkshire Lass	1	30245	1593	May 22, 1979
Silver Bell	1	2644	1594	May 22, 1979
Barnato	1	2848	1595	May 22, 1979
O.K.	1	5735	1596	May 22, 1979
Kaffir King	1	2646	1597	May 22, 1979
	16			

The remaining 83 units are described in an assessment report by R.D. Hogarth recorded January 8, 1982. 82:21

5. LOCATION, ACCESS & TOPOGRAPHY:

The Barnato One Group is located approximately 75 kilometers S.S.W. of Kelowna in the B.C. interior. Access can be obtained via two routes. The route used for the first part of the exploration program leaves the Christian Valley road approximately 31 km north of Westbridge and traverses 6 km west to the property. Another route, used for the later part of the program when the weather was drier, leaves the village of Beaverdell and travel 20 kilometers east to the property. All access roads are old logging roads in good shape for four wheel drive travel. The roads are initially steep for the climb from the valley floors, but the majority of the property topography is in gently rolling wooded slopes and benches at 1200-1350 metres in elevations.

Weather is dry and hot during the summer months, with moderate snow fall occurring between October and April each winter.

6. HISTORY:

Most of these claims were staked prior to 1880, and considerable surface work was done during this period. In 1938 Cominco optioned the Barnato claim and conducted a trenching and diamond drilling program. Approximately at the same time, two cars of ore shipped from the area reportedly ran 1.76 and 1.39 oz/ton gold. In 1965 Amcana Mines conducted limited work.

In 1979 the current owners acquired the claims.

7. GEOLOGY:

The Barnato area is principally underlain by mostly volcanic rocks of the Wallace (Anarchist) Formation of

late Paleozoic to early Mesozoic age. The property geology as mapped to date show the claims contain a complex of volcanic and volcanically derived rocks that are transected by a system of younger diorite dykes. These dykes are probably of Jurassic age related to the Westkettle intrusive. Quartz veinlets and fissure zones are distributed throughout the claim group.

The soil and vegetation cover have made the completion of a detailed geological map difficult. Work is presently being carried out to compile all trenching, mapping and drilling data on a comprehensive scale.

8. MINERALIZATION:

Mineralization consists of pyrite, arsenopyrite, pyrrhotite with minor chalcopyrite, sphalerite and galena. Mineralization appears to be concentrated in two manners. Quartz veinlets occur in both the volcanic and dioritic rocks and generally carry good gold values. The width, concentration and attitude of these veinlets will be critical to an economic deposit.

9. GEOCHEMCIAL SURVEYS:

A total of 1323 soil samples were taken on the Barnato claim during the summer of 1981. Three new grids were established (Grid #2,#3,#4) and the original grid (Grid #1) extended north and south between lines 0 + 150E to 0 + 25W. Samples were collected from the B horizon, put in kraft paper bags, and shipped to Vangeochem Lab Ltd. in Vancouver, B.C. for analysis for gold, silver, copper, zinc and arsenic.

10. SURVEY RESULTS:

i) General:

Analysis in 1980 had been carried out solely for gold and arsenic. The 1981 survey was also carried out for gold and arsenic, with the addition of selective analysis for copper, zinc, and silver. These additional analysis were undertaken in an attempt to more specifically define an anomolous area, but the results were unsuccessful.

Selected 1980 sample sites were resampled in 1981 and analyzed again for gold and arsenic to verify some low 1980 results. The results were both higher and lower, emphasizing the critical importance of sample collection techniques.

In general the survey results for copper, zinc and silver were not conclusive. Silver and zinc showed a few very spotty highs, and copper showed one coincident anomolous zone with arsenic and gold.

The arsenic and gold results were much more effective and tend to show gold bearing vein systems, with arsenic forming a much broader anomolous zone than gold. In specific cases, arsenic but not gold, would define a small mineralized area. However it is obvious that sample spacing and collection techniques are critical on this property. The mineralization appears to be in narrow zones and can easily be missed. All anomolous gold and arsenic values should be explained by some physical means.

Future analysis for mercury and antimony might be attempted.

ii) Zinc - Selectively sampled in Grid #2, #3 and the 1981 extension to Grid #1. Results were generally under 150 ppm, but five values exceeding 200 ppm were noted with a high of 323 ppm. Not effective in targeting mineralization.

iii) Silver - Selectively sampled in Grid #2, #3 and the 1981 extension to Grid #1. Results were generally under 0.3 ppm, with only six values exceeding 0.6 ppm to a high of 2.0 ppm. Not effective in targeting mineralization.

iv) Copper - Selectively sampled in 1981 in Grid #2, #3 and #1. Results were generally under 50 ppm, with six values exceeding 100 ppm to a high of 248 ppm. In general copper was not effective, although the 248 ppm high occurs on lines 0 + 200 E and 0 + 250 E at 1 + 00 S in a coincident anomoly with gold and arsenic, and in an area of known mineralization. However no further copper analysis is recommended.

v) Gold - In general, all samples were analyzed for gold. Results were generally low with a large majority under 30 ppb, or not detected. However 21 values exceeded 100 ppb, with a high of 3220 ppb occurring on the Barnato Claim. A target effect was obtained, expecially in conjunction with arsenic, at the south end of Grid #3; at 0 + 550 W, 2 + 00 S; at 0 + 250 W, 0 + 50 S; at 0 + 600 E, 2 + 25 N; and on three zones on the Barnato Claim itself. The areas on Barnato are associated with known mineralization and show that gold analysis is effective.

vi) Arsenic - Arsenic analysis has proven to be the most effective geochemical indicator so far on the Barnato property. Values vary with a generally low background, and a statistical plateau occurring at 40 ppm. Anomolous values have been selected at greater than 80 ppm. Target effects were coincident with gold, as noted above, as well as isolated in several cases.

The broad arsenic anomoly on the Barnato Claim definitely pin points a mineralized area, in conjunction with the gold anomoly. As well, the isolated arsenic anomoly on lines 0 + 200 E and 0 + 250 E at 100 N was trenched and found to occur above a narrow but rich gold bearing system.

APPENDIX I

COST ESTIMATE

WAGES:	Paul Martin	37 days @ $55/day	$2,035	
	Pat Filmore	22 days @ $35/day	770	
	Richard Hunt	3 days @ $50/day	150	2,955
FOOD & ACCOMMODATION:				
	40 man days @ $20/man day		$800	
TRANSPORTATION:				
	Airfare - 2 roundtrips Vancouver/Kelowna @ $132/trip		$264	
	Truck rental and maintenance 37 days @ $33/day		1,200	1,464
ANALYSIS:				
	Vangeochem Labs Ltd.			
	1323 samples for Au,Ag,As,Cu,Zn @ $10.50/sample			~~13,900~~ 13 891.50
REPORT PREPARATION:				
	F.G. Hewett	2 days @ $175/day	$350	
	Drafting	4 days @ $ 50/day	$200	550
			TOTAL	~~$19,669~~ 19 661.50

T.K.

APPENDIX II

STATEMENT OF QUALIFICATIONS

I, Fred G. Hewett, with business address in the City of Vancouver, and residential address in the District of Coquitlam, in the Province of British Columbia,

DO HEREBY CERTIFY THAT:

1. I am a graduate of the University of British Columbia with a Bachelor of Science Degree in Geology.
2. I am a registered member of the Association of Professional Engineers of the Province of British Columbia.
3. I am a member of the Canadian Institute of Mining & Metallurgy, a fellow of the Geological Association of Canada, and a member of the Society of Economic Geologists.
4. I have practiced various levels of my profession in Canada for approximately fifteen years.
5. I am presently employed by Northair Mines Ltd., and did personally supervise the work described in this report.

Fred G. Hewett, P. Eng.

Dated at the City of Vancouver,
In the Province of British Columbia,
This 4th day of May, 1982

APPENDIX III

VANGEOCHEM LAB LTD. 1521 PEMBERTON AVE., NORTH VANCOUVER, B.C., CANADA V7P 2S3
986-5211
604-XXXXXXXX

April13, 1982

To; Carmack Resources Ltd.
#1450 - 625 Howe Street
Vancouver, B-C. V6C 2T6

From: Vangeochem Lab Ltd.
1521 Pemberton Avenue
North Vancouver, B.C. V7P 2S3

Subject: Analytical procedure used to determine Aqua Regia soluble gold in geochemical samples.

For Project: Barnato, B.C. - 604-419-B1, 1981

1. Method of Sample Preparation

(a) Geochemical soil, silt ot rock samples were received in the laboratory in wet-strength 4 x 6 Kraft paper bags or rock samples sometimes in 8" x 12" plastic bags.

(b) The dried soil and silt samples were sifted by hands using a 8" diameter 80-mesh stainless steel sieve. The plus 80-mesh fraction was rejected and the minus 80-mesh fraction was transferred into a new bag for analysis later.

(c) The dried rock samples were crushed by using a jaw crusher and pulverized to 100 - mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for later analysis.

2. Method of Digestion

(a) 5.00 - 10.00 grams of the minus 80-mesh samples were used. Samples were weighed out by using a top-loading balance into beakers.

(b) 20 ml of Aqua Regia (3:1 HCL : HNO_3) were used to digest the samples over a hot plate vigorously.

(c) The digested samples were filtered and the washed pulps were discarded and the filtrate was reduced to about 5 ml.

(d) The Au comples ions were extracted into diisobutyl ketone and thiourea medium. (Anion exchange liquids "Aliquot 336").

... 2

(e) Separate Funnels were used to separate the organic layer.

3. Method of Detection

The gold analyses were detected by using a Techtron model AA5 Atomic Absorption Spectrophotometer with a gold hollow cathode Lamp. The results were read out on a strip chart recorder. A hydrogen lamp was used to correct any background interferences. The gold values in parts per billion were calculated by comparing them with a set of gold standards.

4. The analyses were supervised or determined by Mr. Conway Chun or Mr. Eddie Tang and his laboratory staff.

Eddie Tang
VANGEOCHEM LAB LTD.

ET: jl

VANGEOCHEM LAB LTD. 1521 PEMBERTON AVE., NORTH VANCOUVER, B.C., CANADA 604-xxxxxxxx
986-5211
V7P 2S3

April 13, 1982

To: Carmack Resources Ltd.
#1450 - 625 Howe Street
Vancouver, B.C. V6C 2T6

From: Vangeochem Lab Ltd.
1521 Pemberton Avunue
North Vancouver, B.C. V7P 2S3

Subject: Analytical procedure used to determine hot acid soluble Mo, Cu, Zn & Ag in geochemical silt, soil and rock samples.

For Priject: Barnato, B.C. 604 - 419 - B1, 1981

1. Sample Preparation

(a) Geochemical soil, silt or rock samples were received in the laboratory in wet-strength 3½ x 6½ Kraft paper bags and rock samples in 4" x 6" Kraft paper bags.

(b) The wet samples were dried in a ventilated oven.

(c) The dried soil and silt samples were sifted by hands using a 8" diameter 80-mesh stainless steel sieves. The plus 80-mesh fraction was rejected and the minus 80-mesh fraction was transferred into a new bag for analysis later.

(d) The dried rock samples were crushed by using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for later analysis.

2. Methods of Digestion

(a) 0.50 gram of the minus 80-mesh samples was used. Samples were weighed out by using a top-loading balance.

(b) Samples were heated in a sand bath with nitric and perchloric acids (15% to 85% by volume of the concentrated acids respectively).

.....2

(C) The digested samples were diluted with demineralized water to a fixed volume and shaken.

3. Method of Analysis

Mo, Cu, Zn & Ag analyses were determined by using a Techtron Atomic Absorption Spectrophotometer Model AA4 or Model AA5 with their respective hollow cathode lamps. The digested samples were aspirated directly into an air and acetylene flame, but Mo digestion were aspirated into an acetylene and nitrous flame. The results, in parts per million, were calculated by comparing a set of standards to calibrate the atomic absorption unit and displayed in a strip chart recorder.

4. The analyses were supervised or determined by Mr. Conway Chun or Mr. Eddie Tang and the labroatory staff.

Eddie Tang
VANGEOCHEM LAB LTD.

ET:jl

VANGEOCHEM LAB LTD. 1521 PEMBERTON AVE., NORTH VANCOUVER, B.C., CANADA V7P 2S3
986-5211
604-[illegible]

April 13, 1982

TO: Carmack Resources Ltd.
#1450 - 625 Howe Street
Vancouver, B.C. V6C 2T6

FROM: Vangeochem Lab Ltd.
1521 Pemberton Ave.
North V ncouver, B.C. V7P 2S3

SUBJECT: Analytical procedure used to determine hot acid soluble arsenic in geochemical silt, soil, lake sediments and rock samples.

For Project: Barnato, B.C. 604 - 419 - B1, 1981

1. Sample Preparation

(a) Geochemical soil, silt, lake sediments or rock samples were received in the laboratory in wet-strength 3½ x 6½ Kraft paper bags and rock samples in 4" x 6" Kraft paper bags.

(b) The wet samples were dried in a ventilated oven.

(c) The dried soil and silt samples were sifted by hands using a 8" diameter 80-mesh stainless steel sieves. The plus 80-mesh fraction was rejected and the minus 80-mesh fraction was transferred into a nwq bag for analysis later.

(d) The dried rock samples were crushed by using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for later analysis.

2. Method of Digestion

(a) 0.25 gram of the minus 80-mesh sample was used. Samples were weighed out by using a top-loading balance.

(b) Samples were heated in a sand bath with concentrated perchloric acid (70 - 72% $HCLO_4$ by weight) at a medium heat for four hours.

(c) The digested samples were diluted with demineralized water.

...2

3. Method of Analysis

(a) Potassium iodide and stannous chloride in HCL were added to the digested samples.

(b) Zinc metal was introduced and the arsenic in solution was gassed off as arsene through a glass wool scrubber plug saturated with lead acetate and into a solution of silver diethyldithiocarbamate in chloroform with l-ephedrine, forming a red complex with the silver diethyldithiocarbamate.

(c) The concentration of the arsenic was determined colorimetrically by comparing the intensity of the color of the red complex with a set of known standards prepared in a similar fashion as the samples.

4. The analyses were supervised or determined by Mr. Eddie Tang or Mr. Conway Chun and their laboratory staff.

for Eddie Tang
VANGEOCHEM LAB LTD.

APPENDIX IV

VANGEOCHEM LAB LTD.
1521 PEMBERTON AVE.,
NORTH VANCOUVER, B.C.,
CANADA V7P 2S3

TELEPHONE: 986-5211
AREA CODE: 604

• *Specialising in Trace Elements Analyses* •

Certificate of Geochemical Analyses

—IN ACCOUNT WITH—

Northair Mines Ltd.
#1450 - 625 Howe St.
Vancouver, B.C. V6C 2T6
Attention:

Report No: 81-69-001 Page 1 of 3
Samples Arrived: May 20, 1981
Report Completed: May 26, 1981
For Project: 406-419-B-1
Analyst: E.T. & VGC Staff
Invoice: 6155 Job # 81-075

Sample Marking	Ag* ppm	As ppm	Au ppb			
BL 0 + 00	0.3	15	nd			
00 + 25W	0.3	15	nd			
50	0.2	4	nd			
75W	0.2	10	nd			
25E	0.2	10	nd			
50	0.2	4	nd			
00 + 75E	0.1	4	nd	GRID 4		
BL 0 + 50S	nd	10	nd			
50S + 25W	0.1	10	nd			
50	0.2	4	nd			
75W	nd	4	nd			
25E	0.2	15	nd			
50	0.4	15	nd			
50S + 75E	0.1	10	nd			
BL 0 + 100S	0.2	1000	110	TRENCH		
100S + 25W	0.2	10	nd			
50	0.3	10	nd			
75W	0.1	4	nd			
25E	0.1	50	nd			
50	0.2	10	nd			
100S + 75E	nd	10	nd			
BL 0 + 150S	nd	35	nd			
150S + 25W	0.2	30	nd			
50	nd	4	nd			
75W	nd	4	nd			
25E	0.1	15	nd			
50	nd	40	nd			
150S + 75E	0.3	4	nd			
00 + 150E	0.1	500	100	30		
150E + 25S	0.1	300	90	40		
50	nd	300	10	20		
75	0.2	100	20	20		
100	0.1	150	nd	10		
125	0.1	40	nd			
150	0.1	40	nd			
200	0.2	200	nd			
225	0.1	80	nd			
250	nd	35	nd			
150E + 275S	nd	35	nd			

REMARKS: Ag* = Ag background corrected. One copy sent to Beaverdell, B.C.
✓ repeated for calyx

Signed:

% Mo x 1.6683 = % MoS_2 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001% nd = none detected ppm = parts per million

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

VANGEOCHEM LAB LTD.
1521 PEMBERTON AVE.,
NORTH VANCOUVER, B.C.,
CANADA V7P 2S3

TELEPHONE: 986-5211
AREA CODE: 604

Certificate of Geochemical Analyses

• *Specialising in Trace Elements Analyses* •

—IN ACCOUNT WITH—
Nrothair Mines Ltd.

Attention:

Report No: 81-69-001 Page 2 of 3
Samples Arrived:
Report Completed:
For Project:
Analyst:

Sample Marking	Ag* ppm	As ppm	Au ppb			
150E + 300S	nd	40	nd			
100E + 50S	0.2	60	nd			
75	0.1	80	30			
100	0.2	60	40			
125	0.1	60	10			
150	nd	50	nd			
175	nd	40	nd			
200	0.1	30	nd			
225	0.1	50	20			
250	0.1	50	10			
275	0.1	80	nd			
100E + 300S	nd	40	30			
00 + 25N	0.1	35	nd			
50	nd	15	nd			
75	0.1	10	10			
100	nd	15	nd			
125	0.3	15	nd			
150	0.1	15	nd			
175	0.2	10	nd			
200	nd	10	nd			
225	0.2	4	nd			
250	0.1	4	10			
275	0.1	10	nd			
00 + 300N	nd	4	nd			
50E + 25N	0.2	40	nd			
50	0.1	50	nd			
75	0.2	300	nd			
100	0.2	15	nd			
125	0.2	10	nd			
150	0.1	15	nd			
175	nd	4	nd			
200	0.1	10	nd			
225	0.2	10	nd			
250	0.2	10	nd			
275	0.4	4	nd			
50E + 300N	0.3	4	nd			
100E + 50N	0.1	35	nd			
75	0.3	40	nd			
150	0.3	20	nd			
100E + 175N	nd	15	nd			

REMARKS:
Ag* = Ag background corrected.

Signed:

% Mo x 1.6683 = % MoS_2 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001% nd = none detected ppm = parts per million

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

VANGEOCHEM LAB LTD.
1521 PEMBERTON AVE.,
NORTH VANCOUVER, B.C.,
CANADA V7P 2S3

TELEPHONE: 986-5211
AREA CODE: 604

• *Specialising in Trace Elements Analyses* •

Certificate of Geochemical Analyses

–IN ACCOUNT WITH–
Northair Mines Ltd.

Attention:

Report No: 81-69-001 Page 3 of 3
Samples Arrived:
Report Completed:
For Project:
Analyst:

Sample Marking	Ag* ppm	As ppm	Au ppb			
100E + 200N	0.3	15	nd			
225	0.2	15	nd			
250	0.2	10	nd			
275	0.3	15	nd			
100E + 300N	0.2	10	nd			
150E + 25N	2.0	>1000	3270			
50	0.3	200	10			
75	0.2	60	nd			
100	0.1	25	nd			
125	0.2	50	nd			
150	0.1	10	nd			
175	0.3	15	nd			
200	0.1	4	nd			
225	nd	10	nd			
250	0.2	4	nd			
275	nd	10	nd			
150E + 300N	nd	4	nd			

REMARKS: Ag* = Ag background corrected.
> Greater than

Signed:

% Mo x 1.6683 = % MoS_2 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001% nd = none detected ppm = parts per million

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

VANGEOCHEM LAB LTD.
1521 PEMBERTON AVE.,
NORTH VANCOUVER, B.C.,
CANADA V7P 2S3

Carmen - Barnato.

TELEPHONE: 986-5211
AREA CODE: 604

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Certificate of Geochemical Analyses

–IN ACCOUNT WITH–

Northair Mines Ltd.
#1450 – 625 Howe Street
Vancouver, B.c. V6C 2T6

Attention:

Report No: 81-69-018 Page 1 of 1
Samples Arrived: July 16, 1981
Report Completed: July 30, 1981
For Project: 406 - 419 - B - 1
Analyst: E.T. & VGC Staff
Invoice# 6342 Job # 81-203

Sample Marking	Mo ppm	Cu ppm	Ag* ppm	As ppm	Au ppb	
RAS 17	—	—	—	10	nd	
18	—	—	—	10	nd	
19	—	—	—	2	nd	
20	—	—	—	20	nd	
21	—	—	—	15	10	
22	—	—	—	10	10	
23	—	—	—	4	nd	
24	—	—	—	2	nd	
25	—	—	—	35	nd	
RAS 26	—	—	—	30	10	
RW 1	—	—	—	35	nd	
2	—	—	—	80	40	
3	—	—	—	15	nd	
4	—	—	—	15	nd	
5	—	—	—	15	nd	
6	—	—	—	10	nd	
7	—	—	—	15	10	
8	—	—	—	20	10	
9	—	—	—	25	nd	
RW 10	—	—	—	15	nd	
S 23	3	172	0.4	—	nd	
S 24	2	83	0.2	—	nd	

REMARKS: Ag* = Ag background corrected.

Signed:

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All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

VANGEOCHEM LAB LTD.
1521 PEMBERTON AVE.,
NORTH VANCOUVER, B.C.,
CANADA V7P 2S3

TELEPHONE: 986-5211
AREA CODE: 604

Certificate of Geochemical Analyses

• *Specialising in Trace Elements Analyses* •

BRNA T°

–IN ACCOUNT WITH–

Northair Mines Ltd.
#1450 - 625 Howe Street
Vancouver, B. C. V6C 2T6
Attention:

Report No: 81-69-025 Page 1 of 2
Samples Arrived: Sept. 12, 1981
Report Completed: September 24, 1981
For Project: 419 B - 1
Analyst: E.T. & VGC Staff
Invoice: 6513 Job # 81-315

Sample Marking	Cu ppm	Zn ppm	Ag ppm	As ppm	Au ppb	
NW - 1	22	120	1.1	80	30	
2	21	106	0.2	150	10	
3	19	100	0.4	4	10	
4	20	81	0.3	30	10	
5	12	80	0.1	10	10	
6	12	76	nd	2	nd	
7	15	92	0.1	4	nd	
8	12	107	0.2	20	nd	
9	19	79	nd	25	nd	
10	18	76	nd	15	nd	
11	18	81	0.1	10	30	
12	17	75	0.1	2	20	
13	20	76	0.1	4	nd	
14	17	93	0.2	15	nd	
15	21	88	nd	2	10	
16	18	96	0.1	20	nd	
17	20	70	nd	30	30	
18	10	110	0.1	20	nd	
19	11	121	0.1	25	20	
20	17	90	0.1	10	10	
21	21	72	0.3	40	nd	
22	18	75	0.1	30	nd	
23	10	90	0.1	15	10	
24	16	68	0.1	15	30	
25	16	72	0.1	2	20	
26	18	74	0.1	2	10	
27	14	100	nd	4	nd	
28	13	166	0.1	15	20	
29	57	120	0.3	80	10	
NW - 30	11	144	0.1	4	20	
WG 30	15	96	nd	2	nd	
31	18	94	0.3	4	nd	
32	15	75	nd	15	20	
33	65	64	nd	15	30	
34	15	57	0.1	2	10	
35	19	80	0.1	10	40	
36	12	79	0.1	2	nd	
37	14	52	0.1	4	nd	
WG 38	12	131	0.1	4	10	

REMARKS:

Signed

% Mo x 1.6683 = % MoS_2 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001% nd = none detected ppm = parts per million

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

VANGEOCHEM LAB LTD.
1521 PEMBERTON AVE.,
NORTH VANCOUVER, B.C.,
CANADA V7P 2S3

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Northair Mines Ltd.

Attention:

Report No: 81-69-025 Page 2 of 2
Samples Arrived:
Report Completed:
For Project:
Analyst:

Sample Marking	Cu ppm	Zn ppm	Ag ppm	As ppm	Au ppb
WG 39	9	48	0.2	4	nd
40	9	42	0.1	4	20
41	12	46	0.1	10	10
42	14	75	nd	10	20
43	14	67	0.2	4	10
44	12	61	0.1	2	10
45	12	85	0.2	10	10
46	14	43	0.2	2	nd
47	16	56	nd	10	nd
48	10	57	0.1	4	nd
49	9	61	0.1	10	nd
50	15	57	0.1	10	20
51	26	108	0.2	2	nd
52	12	100	0.2	20	nd
53	16	47	nd	2	nd
54	14	132	0.1	2	nd
55	10	74	0.1	10	10
56	14	67	0.2	20	10
57	10	102	0.2	10	10
58	9	91	nd	4	nd
WG 59	11	66	nd	4	20
(A) 150W+300N	6	62	nd	2	10
325	12	51	0.3	2	10
350	10	56	0.2	4	10
375	6	68	0.2	2	10
400	7	55	0.1	2	nd
425	9	76	0.1	2	10
450	11	108	nd	2	nd
475	12	32	0.2	4	nd
500	11	37	0.1	4	20
525	9	73	0.3	2	20
550	19	101	0.2	4	20
575	10	26	0.2	2	10
600	8	71	nd	4	10
625	16	70	0.1	2	nd
650	12	80	nd	4	nd
675	11	69	0.1	4	20
150W+700N	12	45	0.2	10	20
(A) 100W+700N	8	118	0.1	4	60

REMARKS:

Signed:

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Northair Mines Ltd.
#1450 – 625 Howe Street
Vancouver, B.C. V6C 2T6

Attention

Report No **81-69-029** Page **1** of **4**
Samples Arrived **August 25, 1981**
Report Completed **September 28, 1981**
For Project **419 B-1**
Analyst **E.T. & VGC Staff**

Invoice: 6521 **Job # 81-276**

Sample Marking	Cu ppm	Zn ppm	Ag ppm	As ppm	Au ppb
00 + 300S A	16	67	0.4	40	20
325	20	69	0.1	15	20
350	18	50	nd	10	20
375	34	48	0.3	15	30
400	14	162	0.2	2	nd
425	10	51	nd	10	20
450	14	70	0.2	25	20
475	13	67	0.3	15	10
500	8	59	nd	15	10
525	11	35	0.1	25	10
550	47	40	0.1	60	nd
575	35	41	0.2	40	40
600	20	76	nd	50	nd
625	14	31	0.2	25	10
650	12	70	0.2	20	nd
675	18	68	nd	20	10
00 + 700	10	79	nd	30	nd
50W + 300	18	136	0.3	25	10
325	13	115	0.2	15	10
350	10	76	nd	4	10
375	8	54	0.1	2	20
400	11	69	nd	4	30
425	9	47	nd	4	10
450	13	40	0.1	15	10
475	11	76	0.3	4	nd
500	10	64	0.2	10	nd
525	11	41	0.3	25	nd
550	17	22	0.1	60	nd
575	16	56	nd	100	nd
600	12	41	0.2	30	nd
625	15	63	0.2	50	nd
650	16	66	0.3	60	nd
675	12	68	nd	50	nd
50W + 700	9	71	nd	25	10
100W + 300	11	95	nd	15	nd
325	11	76	0.1	15	nd
350	12	93	0.3	4	nd
375	10	59	nd	4	20
100W + 400S A	98	101	0.3	30	10

REMARKS:

Signed:

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Northair Mines Ltd.

Attention

Report No **81-69-029** Page **2** of **4**
Samples Arrived
Report Completed
For Project:
Analyst

Sample Marking	Cu ppm	Zn ppm	Ag ppm	As ppm	Au ppb	
100W + 425S A	14	86	0.3	2	10	
450	6	41	0.3	4	10	
475	10	56	0.3	10	10	
500	8	70	0.1	2	nd	
550	13	41	nd	10	nd	
575	50	20	0.2	40	20	
600	86	29	0.2	15	nd	
625	11	31	0.1	20	20	
650	15	49	0.2	20	10	
675	8	56	0.1	10	nd	
100W + 700	9	46	nd	15	nd	
150W + 425	8	65	0.1	4	nd	
450	10	59	nd	4	nd	
475	9	24	nd	10	10	
500	11	51	0.1	10	nd	
525	21	26	nd	80	nd	
550	16	45	0.2	60	10	
575	15	40	0.1	20	nd	
600	12	43	0.1	10	nd	
625	7	32	0.1	2	nd	
650	11	60	0.2	25	nd	
675	10	69	0.1	25	nd	
150W + 700S	6	45	nd	2	nd	
2200W + 00	41	42	0.2	20	nd	
25S	20	52	0.2	80	10	
50	14	92	nd	4	nd	
75	16	69	nd	15	10	
100	25	74	0.2	10	10	
125	24	49	nd	4	10	
150	33	50	0.1	2	10	
175	12	46	0.3	20	nd	
200	17	65	nd	35	20	
225	39	45	nd	30	nd	
250	15	48	nd	30	nd	
262	19	70	0.2	25	nd	
287	45	84	0.3	150	nd	
2200W + 300S A	15	45	0.3	20	10	
100N + 00 C	11	64	0.1	2	nd	

REMARKS:

Signed: _____

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Attention:

Report No **81-69-029** Page **3** of **4**
Samples Arrived:
Report Completed
For Project
Analyst

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Sample Marking	Cu ppm	Zn ppm	Ag ppm	As ppm	Au ppb
100N + 25W C	15	146	0.2	4	nd
50	36	121	0.1	4	nd
75	14	102	0.1	10	nd
100	23	115	nd	2	nd
125	18	101	0.3	2	10
150	19	122	0.1	25	nd
175	27	216	0.1	15	nd
200	41	232	0.3	10	10
225	24	81	0.1	2	10
250	52	66	0.1	30	nd
275	49	68	0.3	2	nd
300	24	51	0.1	4	nd
325	20	70	0.2	50	10
350	16	82	0.2	15	10
100N + 375W	15	95	0.3	4	nd
200N + 25E	9	71	nd	15	10
50	11	73	0.1	4	nd
75	6	128	nd	4	nd
100E	8	80	0.1	2	10
00	10	67	0.2	2	nd
25W	11	167	nd	2	10
50	23	85	0.1	40	nd
75	16	70	nd	4	nd
100	14	47	0.1	15	nd
125	15	52	0.2	4	nd
150	15	91	0.2	4	nd
175	29	175	0.3	15	nd
200	31	116	0.1	20	nd
225	20	70	0.3	10	nd
250	24	62	0.1	10	10
275	43	145	0.4	40	10
300	31	106	0.2	15	20
325	18	107	0.3	4	nd
350	29	75	0.2	10	nd
200N + 375W	21	77	0.5	10	nd
300N + 25E	10	90	0.1	4	nd
50	9	83	0.1	2	nd
75	6	100	nd	2	nd
300N + 100E C	14	69	0.2	4	nd

REMARKS:

Signed: _____

% Mo x 1.6683 = % MoS_2 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001% nd - none detected ppm - parts per million

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

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Attention:

Report No **81-69-029** Page **4** of **4**
Samples Arrived.
Report Completed:
For Project
Analyst.

Sample Marking	Cu ppm	Zn ppm	Ag ppm	As ppm	Au ppb	
300N + 00 C	8	67	0.4	2	nd	
25W	12	183	0.2	2	nd	
50	7	80	0.3	2	nd	
75	8	54	0.1	4	10	
100	14	41	0.2	4	nd	
125	17	74	nd	4	nd	
150	25	59	nd	2	10	
175	14	66	0.1	10	nd	
200	88	89	nd	2	nd	
225	21	47	0.3	10	10	
250	12	59	0.1	10	nd	
275	11	76	nd	10	10	
300	9	95	0.2	15	nd	
300N + 325W	11	56	nd	4	10	
350N + 00	6	99	0.2	4	nd	
25W	10	71	nd	2	nd	
50	9	65	nd	4	nd	
75	12	101	nd	4	nd	
100	6	88	0.1	2	nd	
125	9	98	nd	2	nd	
150	13	69	0.1	10	nd	
175	16	45	0.1	4	nd	
200	15	59	0.3	4	nd	
225	21	96	0.4	15	nd	
250	15	134	0.2	10	nd	
275	17	94	nd	15	nd	
350N + 300W C	16	80	0.2	2	10	
(A) 2200W + 275S	14	26	0.3	150	10	

REMARKS:

Signed:

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Northair Mines Ltd.
#1450 – 625 Howe Street
Vancouver, B. C. V6C 2T6

Attention:

Report No **81-69-021** Page **1** of **5**
Samples Arrived **August 11, 1981**
Report Completed **September 4, 1981**
For Project **419 – B – 1**
Analyst **E.T. & VGC Staff**
Invoice 6452 **Job #81 – 252**

Sample Marking	Mo ppm	Cu ppm	Zn ppm	Ag ppm	As ppm	Au ppb
(B)000+ 00	2	12	38	0.2	10	nd
25W	1	26	63	0.2	25	30
50	2	18	58	nd	4	nd
75	1	18	60	nd	15	nd
175	nd	13	67	0.2	10	10
200	1	13	74	0.3	15	10
250	1	12	51	0.2	10	10
275	2	12	50	0.5	20	10
300	nd	11	58	0.1	15	20
325	1	13	100	nd	15	20
(B)000+350W	2	16	103	0.1	10	20
(B)50S+ 00	2	22	40	nd	20	10
25W	2	26	103	0.5	2	nd
50	1	25	41	0.3	10	10
75	1	19	51	0.1	4	10
100	2	13	40	nd	4	nd
200	nd	18	16	0.1	4	10
225	2	26	105	nd	25	10
250	1	14	86	0.1	15	30
275	nd	12	80	0.2	15	10
300	1	13	62	0.1	20	20
325	1	12	73	0.1	40	20
(B)50S+350W	2	23	146	0.2	20	30
(B)50N+ 00	nd	–	77	0.1	4	10
25W	nd	–	68	0.1	10	10
125	2	–	39	nd	15	10
150	1	–	44	0.2	10	10
175	1	–	51	nd	10	nd
200	1	–	39	nd	20	10
225	1	–	33	0.1	15	10
250	nd	–	26	0.4	20	70
275	nd	–	30	0.2	15	10
300	nd	–	35	0.2	10	50
325	1	–	90	nd	10	10
(B)50N+350W	1	–	84	0.4	4	nd
(B)100S+00	2	21	55	0.1	4	10
25W	3	26	62	0.2	30	20
50	1	7	56	nd	2	10
(B)100S+75W	nd	13	41	nd	2	10

REMARKS·

Signed. _____

% Mo x 1 6683 = % MoS_2 1 Troy oz /ton = 34 28 ppm 1 ppm = 0.0001% nd = none detected ppm = parts per million

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

VANGEOCHEM LAB LTD.
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Northair Mines Ltd.

Attention:

Report No **81-69-021** Page **2** of **5**
Samples Arrived:
Report Completed:
For Project:
Analyst

Sample Marking	Mo ppm	Cu ppm	Zn ppm	Ag ppm	As ppm	Au ppb
(B)100S+175W	2	37	46	0.2	35	20
200	1	46	92	0.1	50	110
225	1	–	65	0.2	30	20
250	2	–	102	nd	25	10
275	1	–	104	0.3	60	10
300	3	–	115	nd	40	50
325	1	–	70	nd	35	nd
(B)100S+350W	1	–	70	0.1	10	10
(B)150S+ 00W	1	16	76	nd	2	nd
25	1	14	37	nd	4	10
50	2	16	51	nd	10	nd
300	1	28	65	0.1	20	nd
25	2	20	100	nd	15	10
(B)150S+350W	1	20	91	nd	15	10
(A)150W+325S	3	168	120	0.3	35	10
50	1	10	40	nd	4	30
75	1	9	65	0.1	10	nd
(A)150W+400S	1	16	89	0.1	4	nd
(A)200W+325S	4	125	159	0.2	30	10
50	1	11	41	nd	4	nd
75	1	9	51	nd	25	nd
400	nd	7	88	0.1	10	nd
25	1	9	60	nd	15	nd
50	2	10	89	nd	4	nd
75	1	10	43	nd	30	20
500	1	11	44	0.1	20	nd
25	nd	14	43	0.1	10	10
50	1	18	19	nd	40	nd
75	1	9	36	0.1	10	nd
600	nd	10	22	nd	10	10
25	nd	10	81	nd	10	10
50	nd	11	100	0.1	4	nd
75	2	12	99	0.4	15	nd
(A)200W+700S	2	16	48	0.1	20	10
(A)200E+ 25S	1	26	220	0.1	200	nd
50	2	82	338	0.2	150	30
75	2	118	670	0.3	400	300
100	1	14	52	nd	60	nd
(A)200E+125S	1	18	58	0.1	4	30

REMARKS:

Signed. _____

% Mo x 1.6683 = % MoS_2 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001% nd = none detected ppm = parts per million

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

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Report No **81-69-021** Page **3** of **5**

Samples Arrived

Report Completed.

Attention:

For Project

Analyst

Sample Marking	Mo ppm	Cu ppm	Zn ppm	Ag ppm	As ppm	Au ppb
(A)200E+150S	1	14	74	0.5	15	nd
75	1	10	53	0.2	30	10
200	nd	17	71	0.2	35	nd
25	1	15	67	0.1	35	10
50	nd	14	85	0.2	50	20
75	nd	11	109	0.1	15	10
(A)200E+300S	1	14	14	nd	35	10
(B)200S+ 00W	2	18	121	0.1	10	nd
25	1	48	78	0.2	20	10
50	1	23	80	0.1	10	100
125	2	26	51	nd	15	20
50	1	17	79	0.3	50	10
75	2	16	118	0.2	15	nd
225	2	53	109	nd	60	nd
50	2	17	101	0.1	35	10
75	nd	19	66	nd	40	10
300	nd	26	75	nd	30	nd
25	1	17	121	0.1	40	10
(B)200S+350W	1	21	180	0.3	80	nd
(A)250E+ 25S	3	65	50	nd	200	30
50	2	157	750	0.3	300	200
75	1	17	74	0.2	50	10
100	4	248	160	0.6	300	10
25	nd	9	93	0.1	10	10
50	nd	9	116	0.2	10	nd
75	1	8	98	0.1	15	nd
200	1	10	61	0.1	4	10
25	nd	7	46	0.1	20	10
50	1	10	67	nd	15	nd
75	1	8	51	nd	35	nd
(A)250E+300S	nd	10	60	nd	40	30
(A)250N+325S	2	100	180	0.5	40	10
50	1	21	101	nd	15	nd
75	1	14	125	0.2	20	nd
400	2	26	82	0.5	40	10
25	1	10	66	nd	4	20
50	1	8	69	0.1	4	nd
75	1	7	19	nd	20	nd
(A)250W+500S	nd	11	20	nd	4	10

REMARKS:

Signed: _____

% Mo x 1.6683 = % MoS_2 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001% nd = none detected ppm = parts per million

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Attention:

Report No **81-69-021** Page **4** of **5**
Samples Arrived
Report Completed
For Project
Analyst

Sample Marking	Mo ppm	Cu ppm	Zn ppm	Ag ppm	As ppm	Au ppb
(A)250W+525S	1	16	40	0.4	50	10
50	nd	23	50	0.2	30	10
75	2	15	34	0.2	200	30
600	2	26	33	0.1	300	10
25	1	15	41	0.2	20	nd
50	2	19	40	0.3	150	10
75	1	20	31	0.3	200	10
(A)250W+700S	1	17	24	0.2	80	nd
(A)300E+ 25S	nd	12	30	0.2	50	nd
50	nd	10	94	nd	4	nd
75	1	16	110	0.1	50	nd
100	nd	7	45	nd	2	10
25	1	9	83	0.2	4	nd
50	1	9	106	0.1	4	nd
75	nd	17	84	0.2	35	30
200	nd	8	77	0.1	10	nd
25	nd	13	67	0.2	30	nd
50	nd	14	65	0.2	35	10
75	1	13	55	0.1	4	20
(A)300E+300S	1	24	55	0.1	25	nd
(B)300S+ 00	1	25	124	0.5	35	10
25W	2	19	76	0.2	10	10
50	1	27	75	0.3	20	10
75	1	20	122	0.3	15	20
100	1	22	193	0.1	35	20
25	1	18	125	0.2	20	nd
75	2	20	71	0.1	50	nd
200	nd	18	75	0.4	10	nd
25	1	17	49	nd	10	nd
50	1	28	58	0.3	10	nd
75	1	19	137	0.5	20	nd
300	2	35	124	0.2	4	nd
25	1	17	71	0.1	4	nd
(B)300S+350W	2	14	76	0.6	2	nd
(B)250S+ 00W	2	27	82	0.3	25	30
25	1	14	97	0.1	20	10
100	1	39	76	0.1	4	10
125	2	24	65	nd	4	nd
(B)250S+150W	nd	20	55	nd	10	30

REMARKS:

Signed: _____

% Mo x 1.6683 = % MoS_2 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001% nd = none detected ppm = parts per million

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

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CANADA V7P 2S3

TELEPHONE: 986-5211
AREA CODE: 604

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Northair Mines Ltd.

Attention.

Report No **81-69-021** Page **5** of **5**
Samples Arrived
Report Completed.
For Project
Analyst

Sample Marking	Mo ppm	Cu ppm	Zn ppm	Ag ppm	As ppm	Au ppb
(B)250S+175W	1	26	150	nd	15	10
200	1	26	46	nd	35	10
25	nd	67	119	0.1	200	nd
(B)250S+250W	1	23	58	nd	40	10

REMARKS:

Signed.

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#1450 – 625 Howe Street
Vancouver, B.C. V6C 2T6
Attention:

Report No: 81-69-023 Page 1 of 2
Samples Arrived: August 13, 1981
Report Completed: September 10, 1981
For Project: 419 B-1
Analyst: E.T. & VGC Staff
Invoice: 6479 Job # 81-257

Sample Marking	Cu ppm	Zn ppm	Ag ppm	As ppm	Au ppb	
(A) 1800W+ 00	26	92	0.2	4	10	
25S	30	76	0.1	10	10	
50	33	65	0.2	15	nd	
75	31	56	0.2	35	nd	
100	35	71	nd	150	10	
25	18	57	0.1	20	10	
50	19	96	0.1	10	20	
75	18	66	0.2	4	nd	
225	30	72	nd	25	30	
50	16	51	0.1	10	nd	
75	42	76	nd	35	10	
300S	39	58	0.1	30	nd	
1750W+ 00	16	51	0.2	4	10	
25S	33	218	0.1	4	nd	
50	26	73	0.1	20	10	
100	17	36	0.1	15	nd	
25	37	55	0.1	150	10	
50	24	44	nd	20	50	
75	51	55	nd	4	10	
225	23	65	nd	10	30	
50	22	59	nd	40	20	
75	16	49	0.1	15	nd	
1750W+300S	69	101	0.1	80	90	
1750W+ 00	51	120	0.3	15	30	
25S	75	109	0.2	2	nd	
50	52	76	0.2	15	50	
75	23	78	0.1	4	nd	
100	62	94	0.3	40	10	
25	27	96	nd	20	nd	
50	43	62	nd	15	10	
75	18	45	nd	4	nd	
200	49	84	nd	20	10	
25	20	75	0.1	35	nd	
50	23	101	0.2	30	nd	
75	74	105	0.2	30	10	
(A) 1700W+300S	19	104	nd	15	30	
TRENCH 31 A#1	37	35	nd	80	10	
A#2	24	39	0.1	60	10	
TRENCH 31 A-B	45	30	0.1	100	nd	

REMARKS:

Signed:

% Mo x 1.6683 = % MoS_2 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001% nd = none detected ppm = parts per million

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Attention:

Report No: 81-69-022 Page 2 of 2
Samples Arrived:
Report Completed:
For Project:
Analyst:

Sample Marking	Cu ppm	Zn ppm	Ag ppm	As ppm	Au ppb	
TRENCH 31 B-1	41	22	nd	150	nd	
C#1	19	18	nd	40	50	
TRENCH 31 C#2	30	24	nd	35	nd	

REMARKS:

Signed: _____

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VGC
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Northair Mines Ltd.
#1450 - 625 Howe St.
Vancouver, B.C. V6C 2T6
Attention:

Report No. 81-69-003 Page 1 of 5
Samples Arrived: May 26, 1981
Report Completed. June 1, 1981
For Project: 406-419-B1
Analyst E.T. & VGC Staff
Invoice: 6171 Job # 81-082

Sample Marking	Ag* ppm	As ppm	Au ppb
00 + 00	0.3	25	nd
25S	0.2	25	10
50	0.1	25	nd
75	0.2	20	10
100	0.1	20	nd
125	0.1	60	nd
150	0.2	300	190
175	0.1	150	10
200	0.6	80	10
225	0.3	60	10
250	0.3	300	150
275	0.3	150	nd
00 + 300S	0.2	50	nd
00 + 50E	0.6	600	nd
50E + 25 S	0.4	300	nd
50	0.5	60	10
75	0.5	50	nd
100	0.5	80	70
125	0.2	400	160
150	0.2	600	310
175	0.3	150	nd
200	0.2	50	20
225	0.3	50	10
250	0.2	60	nd
275	0.2	50	70
50E + 300S	0.2	35	10
00 + 50W	0.1	300	10
50W + 25S	0.1	80	nd
50	0.2	60	nd
75	0.1	35	nd
100	0.1	80	nd
125	0.2	60	nd
150	0.1	80	nd
175	0.2	80	nd
200	0.3	50	10
225	0.2	50	nd
250	0.3	50	nd
275	0.1	30	nd
50W + 300S	0.1	35	70

REMARKS Ag* = Ag background corrected.
One copy sent to Beaverdell, B.C.
Au updated OK

Signed:

% Mo x 1.6683 = % MoS_2 1 Troy oz /ton = 34.28 ppm 1 ppm = 0.0001% nd = none detected ppm = parts per million

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Northair Mines Ltd.

Attention:

Report No **81-69-003** Page **2** of **5**
Samples Arrived:
Report Completed:
For Project:
Analyst:

Sample Marking	Ag* ppm	As ppm	Au ppb
50W + 25N	0.8	30	nd
50	0.2	30	20
75	0.2	35	10
100	0.2	20	nd
125	nd	20	10
150	0.1	4	10
175	0.1	10	nd
200	0.1	10	20
225	nd	10	nd
250	0.1	10	nd
275	0.1	4	nd
50W + 300N	0.2	15	nd
00 + 100W	0.2	60	nd
100W + 25S	0.1	40	10
50	0.1	50	nd
75	0.2	40	20
100	0.1	40	10
125	0.1	50	nd
150	0.2	60	nd
175	0.3	100	nd
200	0.3	50	nd
225	0.2	60	nd
250	0.1	60	10
275	0.3	50	nd
100W + 200S	0.2	30	nd
100W + 25N	0.3	50	10
50	0.3	50	nd
75	0.2	150	nd
100	0.2	80	nd
125	0.2	20	10
150	0.2	4	nd
175	0.4	10	nd
200	0.2	4	nd
225	0.2	4	nd
250	0.2	10	nd
275	0.3	10	nd
100W + 300N	0.3	4	nd
00 + 150W	0.2	35	nd
150W + 25S	0.2	30	10
150W + 50S	0.2	25	nd

REMARKS: **Ag* = Ag background corrected.**

Signed

% Mo x 1.6683 = % MoS_2 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001% nd - none detected ppm = parts per million

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Northair Mines Ltd.

Attention:

Report No **81–69–003** Page **3** of **5**
Samples Arrived
Report Completed
For Project
Analyst

Sample Marking	Ag* ppm	As ppm	Au ppb
150W + 75S	0.1	25	nd
100	0.2	20	nd
125	0.1	25	10
150	0.3	30	nd
175	0.2	50	10
200	nd	25	nd
225	0.1	25	nd
250	nd	20	nd
275	0.1	25	nd
150W + 300S	0.1	30	nd
150W + 25N	0.1	25	nd
50	0.1	15	nd
75	0.1	15	nd
100	0.1	20	nd
125	0.2	15	nd
150	0.1	10	nd
175	0.2	10	nd
200	0.2	10	nd
225	0.1	4	nd
250	0.1	4	nd
275	0.1	4	20
150W + 300N	0.1	4	nd
00 + 200W	0.3	30	nd
200W + 25S	0.2	25	nd
50	0.1	30	130
75	0.4	40	nd
100	0.1	35	nd
125	nd	30	nd
150	nd	20	nd
175	0.1	20	nd
200	0.2	15	nd
225	0.1	25	nd
250	nd	30	nd
275	0.1	25	nd
200W + 300S	0.3	80	nd
200W + 25N	0.2	35	nd
75	0.2	25	nd
100	0.3	4	nd
200W + 125N	0.2	40	nd

REMARKS: Ag* = Ag background corrected,

Signed: _____

% Mo x 1.6683 = % MoS_2 1 Troy oz /ton = 34.28 ppm 1 ppm - 0.0001% nd - none detected ppm = parts per million

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Northair Mines ltd.

Attention:

Report No 81-69-003

Samples Arrived
Report Completed:
For Project
Analyst.

Sample Marking	Ag* ppm	As ppm	Au ppb
200W + 150N	0.1	10	nd
175	0.3	15	nd
200	0.2	10	nd
225	0.2	10	20
250	0.2	10	nd
275	0.2	15	nd
200W + 300N	0.3	4	nd
00 + 250W	0.1	500	40
250W + 25S	0.2	100	nd
50	0.4	1000	990
75	nd	60	nd
100	0.2	20	nd
125	0.1	20	nd
150	nd	15	nd
175	0.1	4	nd
200	0.3	30	50
225	0.3	20	nd
250	0.3	10	nd
275	0.2	15	nd
250W + 300S	0.2	25	nd
125W + 25N	0.1	40	10
50	nd	50	nd
75	0.3	15	nd
100	0.2	4	40
125	0.2	4	20
150	0.2	15	10
175	nd	20	nd
200	0.2	4	nd
225	0.1	4	nd
250	0.1	4	nd
275	0.1	4	nd
250W + 300N	0.1	10	nd
BL 200S	0.1	4	nd
200S + 25E(A)	0.4	10	nd
25E(B)	0.3	4	nd
50E	0.4	10	nd
75E	0.2	35	nd
50W	0.2	10	nd
200S + 75W	0.6	10	nd

REMARKS: Ag* = Ag background corrected.
✓Au repeated analyses OK.

Signed:

% Mo x 1.6683 = % MoS_2 1 Troy oz /ton = 34.28 ppm   1 ppm = 0.0001%   nd = none detected   ppm = parts per million

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Attention:

Report No: **31-69-003** Page **5** of **5**
Samples Arrived:
Report Completed:
For Project:
Analyst:

Sample Marking	Ag* ppm	As ppm	Au ppb			
BL 250S	0.3	4	nd			
250S + 25E	0.2	4	nd			
50	0.3	10	nd			
75E	0.3	10	nd			
25W	0.2	10	nd			
50	0.1	10	nd			
250S + 75W	0.1	15	10			
BL. 300S	0.1	4	nd			
300S + 25E	0.2	4	nd			
50	nd	10	nd			
75E	0.2	10	nd			
25W	nd	10	nd			
50	0.4	4	10			
300S + 75W	0.2	15	10			
BL 250S	0.4	15	10			
250E + 25E	0.3	15	10			
50E	0.1	15	nd			
25W	0.1	10	10			
50	0.1	10	nd			
75 (A)	0.1	10	nd			
350S + 75W (B)	ndf	4	10			
BL 400S	nd	10	10			
400S + 25E	0.1	15	nd			
50	0.3	15	10			
75E	0.2	10	nd			
25W	0.2	15	nd			
50	0.2	10	10			
400S + 75W	0.2	10	nd			
WG 1	0.1	20	10			
2	0.2	15	nd			
3	0.1	50	10			
4	nd	25	20			
5	nd	15	nd			
6	0.8	600	5300 ✓			
7	0.1	50	nd			
8	0.2	80	10			
WG 9A	0.2	50	nd			

REMARKS: Ag* = Ag backgorund corrected.
✓ Au - Repeated OK.

Signed

% Mo x 1.6683 = % MoS_2 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001% nd = none detected ppm = parts per million

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Northair Mines Ltd.
#1450 – 625 Howe Street
Vancouver, B.C. V6C 2T6
Attention:

Report No: 81-69-028 Page 1 of 4
Samples Arrived: August 22, 1981
Report Completed: September 25, 1981
For Project: 419 - B - 1
Analyst: E.T. & VGC Staff
Invoice: 6519 Job # 81-275

Sample Marking	Cu ppm	Zn ppm	Ag ppm	As ppm	Au ppb	
(C) 50S+ 00	19	74	0.5	15	nd	
25W	17	67	0.3	2	10	
50	11	246	0.3	15	10	
75	19	59	0.2	10	10	
100W	20	144	0.3	10	30	
100S+ 00	31	83	0.1	10	10	
25W	11	85	0.3	4	nd	
50	17	89	0.4	20	nd	
75	19	74	0.2	40	10	
100	31	72	0.1	30	10	
25	26	129	0.3	4	nd	
50	17	102	nd	4	nd	
75	70	121	0.2	15	480	
200	38	70	0.1	10	nd	
25	106	85	0.5	35	150	
50	32	82	0.2	15	20	
75W	27	40	0.3	10	20	
150S+ 00	29	87	0.1	4	10	
25W	72	151	0.4	15	10	
50	58	139	nd	15	20	
75	20	85	0.2	30	nd	
100	26	134	0.3	80	20	
25	15	82	0.1	10	nd	
50	22	60	nd	4	nd	
75	41	75	nd	10	10	
200	48	91	0.2	15	10	
25	74	79	0.3	35	90	
50	24	74	0.1	15	nd	
(C) 150S+ 75W	31	41	0.1	20	10	
(A) 1850W+ 00	44	90	0.3	4	190	
25S	26	69	0.2	10	nd	
50	22	74	0.3	20	40	
75	25	96	0.2	60	90	
100	19	55	0.1	80	nd	
25	22	100	0.3	25	20	
50	26	45	0.2	50	10	
75	20	77	nd	80	10	
200	17	75	0.2	15	10	
(A) 1850W+ 25S	14	48	nd	20	40	

REMARKS:

Signed:

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Attention:

Report No: 81–69–028 Page 2 of 4
Samples Arrived:
Report Completed:
For Project:
Analyst:

Sample Marking	Cu ppm	Zn ppm	Ag ppm	As ppm	Au ppb	
(A) 1850W+250S	15	71	0.3	2	10	
75	16	68	0.2	10	10	
300S	16	72	0.2	30	nd	
1900W+ 00	12	84	0.2	4	nd	
25S	29	93	0.3	20	nd	
50	23	82	nd	50	10	
75	21	66	0.2	50	10	
100	16	59	0.1	2	10	
25	15	170	0.1	4	nd	
50	14	116	nd	15	10	
75	15	64	0.2	15	nd	
200	13	109	nd	30	nd	
25	21	65	0.2	25	nd	
50	19	60	0.2	30	nd	
75	16	49	0.1	15	10	
300S	14	71	0.2	15	10	
1950W+ 00	16	65	nd	20	10	
25S	12	92	0.2	4	nd	
50	10	96	nd	2	nd	
75	10	98	0.3	15	10	
100	37	92	0.3	20	nd	
25	18	95	0.3	15	nd	
75	21	93	0.2	15	nd	
225	25	88	0.3	30	nd	
50	16	46	0.2	10	nd	
75	19	61	0.2	15	nd	
300S	16	90	0.1	4	nd	
2050W+ 00	14	91	0.1	4	10	
25S	21	36	0.3	40	40	
50	12	89	0.2	10	nd	
75	18	75	0.1	15	nd	
100	15	88	0.4	15	nd	
25	17	34	0.1	15	nd	
50	24	41	0.2	2	nd	
75	10	69	0.2	4	nd	
200	10	95	0.1	4	10	
25	12	70	0.2	4	10	
50	10	41	nd	2	nd	
(A) 2050W+275S	17	41	0.5	2	10	

REMARKS:

Signed:

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Attention:

Report No: 81-69-028 Page 3 of 4
Samples Arrived:
Report Completed:
For Project:
Analyst:

Sample Marking	Cu ppm	Zn ppm	Ag ppm	As ppm	Au ppb	
(A) 2050W+300S	12	46	0.4	4	nd	
2100W+ 00	12	41	0.3	15	nd	
25S	14	64	nd	15	30	
50	11	55	0.1	10	nd	
75	10	76	0.2	15	20	
100	16	45	0.1	25	30	
25	35	47	0.3	30	250	
50	12	49	nd	4	10	
75	24	41	nd	2	20	
200	10	70	0.1	4	10	
25	17	78	0.2	10	20	
50	15	113	0.3	4	10	
75	17	92	0.1	15	10	
2100W+300S	11	96	nd	2	10	
2150W+ 00	21	36	0.1	25	60	
25S	12	57	0.2	10	10	
50	13	50	0.1	4	nd	
75	8	45	nd	4	10	
100	22	44	nd	80	140	
25	20	61	nd	4	20	
50	26	48	nd	25	30	
75	18	71	0.1	50	20	
200	12	59	0.1	25	10	
25	16	56	0.2	20	10	
50	19	70	0.1	40	20	
75	22	74	0.1	100	30	
2150W+300S	16	58	0.1	60	nd	?
(A) 150W+200S	18	59	nd	15	nd	
TRENCH #31D #1	22	19	nd	30	10	
E #1	67	23	0.1	150	40	
F #1	49	20	nd	60	30	
E+F	89	20	0.2	300	70	
F+2.0#1	66	24	0.1	60	40	
TRENCH #31F+5.0#2	40	26	0.1	150	120	
250S 2160W	24	51	0.1	15	10	
70	16	45	nd	25	20	
80	16	47	0.1	10	10	
250S 90	18	43	nd	10	20	
262S 2150W	14	52	0.1	15	20	

REMARKS:

Signed:

% Mo x 1.6683 = % MoS_2 1 Troy oz /ton = 34.28 ppm 1 ppm = 0.0001% nd = none detected ppm = parts per million

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

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NORTH VANCOUVER, B.C.,
CANADA V7P 2S3

TELEPHONE: 986-5211
AREA CODE: 604

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Northair Mines Ltd.

Attention:

Report No: 81-69-028 Page 4 of 4
Samples Arrived:
Report Completed:
For Project:
Analyst:

Sample Marking	Cu ppm	Zn ppm	Ag ppm	As ppm	Au ppb	
262S 2160W	24	75	nd	20	20	GRID A
70	21	56	0.1	25	20	
80	18	76	0.1	80	20	
90	21	57	nd	60	30	
287S 2150	31	49	nd	300	30	
275S 2160	26	74	0.1	150	160	
70	40	69	0.1	80	50	
80	26	66	0.2	150	50	
275S 2190W	29	75	0.1	100	60	GRID A

REMARKS:

Signed:

% Mo x 1.6683 = % MoS_2 1 Troy oz./ton = 34.28 ppm 1 ppm = 0 0001% nd = none detected ppm = parts per million

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Northair Mines Ltd.
#1450 – 625 Howe Street
Vancouver, B. C. V6C 2T6

Attention

Report No **81 69 031** Page **1** of **2**
Samples Arrived **September 4, 1981**
Report Completed **October 23, 1981**
For Project **419 – B-1**
Analyst **E.T. & VGC Staff**
Invoice: 6567 Job #81 – 303

Sample Marking	Cu ppm	Zn ppm	Ag ppm	As ppm	Au ppb
(A) 00 +300N	5	82	0.3	4	nd
25	7	51	0.1	2	nd
50	8	45	0.1	4	nd
75	10	56	0.1	4	nd
400	9	49	0.1	4	nd
25	11	65	nd	4	10
50	10	57	0.1	4	nd
75	6	68	0.2	2	nd
500	24	66	0.2	10	20
25	13	64	0.2	2	nd
50	8	68	nd	2	nd
75	5	56	nd	4	nd
600	9	58	0.1	10	nd
25	12	70	nd	10	nd
50	16	67	nd	4	nd
75	16	46	0.3	10	nd
00 +700	24	63	0.7	15	nd
50E+300	11	59	nd	2	nd
25	51	27	0.9	10	10
50	11	45	nd	10	nd
50E+375N	6	82	nd	4	nd
50W+300	8	47	nd	4	10
25	15	59	0.1	4	nd
50	5	58	nd	4	nd
75	8	44	nd	4	10
400	6	49	nd	10	10
25	6	65	nd	4	nd
50	8	52	nd	4	nd
75	10	51	0.2	4	nd
500	6	76	nd	10	20
25	14	44	nd	4	nd
50	9	65	nd	10	10
75	71	39	0.9	10	10
600	4	56	nd	10	nd
25	9	44	0.3	4	nd
50	10	27	nd	4	nd
75	10	60	0.2	4	nd
50W+700	9	41	nd	2	nd
(A)100W+300N	22	89	0.4	4	nd

REMARKS:

Signed:

% Mo x 1.6683 = % MoS_2 1 Troy oz/ton = 34.28 ppm 1 ppm = 0.0001% nd - none detected ppm – parts per million

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Attention:

Report No **81 69 031** Page **2** of **2**
Samples Arrived:
Report Completed.
For Project:
Analyst

Sample Marking	Cu ppm	Zn ppm	Ag ppm	As ppm	Au ppb	
(A)100W+325N	12	69	0.1	2	10	
50	9	86	0.2	4	nd	
75	9	67	0.1	10	nd	
400	6	82	nd	10	nd	
25	10	83	0.1	4	nd	
50	15	67	nd	10	nd	
25	8	66	nd	4	nd	
500	11	45	0.1	4	nd	
25	16	20	0.2	4	10	
50	6	49	nd	4	nd	
75	7	33	0.1	4	nd	
600	4	52	nd	2	nd	
25	6	67	0.1	4	20	
50	9	30	0.2	2	nd	
100W+675	7	69	0.1	2	10	
200W+300	11	41	0.2	4	nd	
25	14	101	0.1	4	nd	
50	6	54	nd	4	10	
75	9	43	nd	4	nd	
400	4	46	nd	2	nd	
25	3	32	0.1	4	10	
50	6	41	nd	4	nd	
75	10	79	0.1	2	nd	
500	9	60	0.1	4	10	
25	11	51	nd	4	nd	
50	10	49	0.2	4	nd	
75	4	27	nd	4	nd	
600	9	56	nd	10	nd	
25	6	51	nd	4	nd	
50	10	49	0.1	4	nd	
75	11	44	0.2	10	nd	
(A)200W+700N	10	48	nd	4	nd	

REMARKS:

Signed: _____

% Mo x 1.6683 = % MoS_2 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001 % nd = none detected ppm = parts per million

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

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Northair Minns Ltd.
#1450 - 625 Howe Street
Vancouver, B.C. V6C 2T6
Attention:

Report No: 81-69-030 Page 1 of 3
Samples Arrived: August 29, 1981
Report Completed: September 29, 1981
For Project: 419 B-1
Analyst: E.T. & VGC Staff
Invoice: 6523 Job # 81-286

Sample Marking	Cu ppm	Zn ppm	Ag ppm	As ppm	Au ppb	
50E + 400N	11	71	0.2	2	nd	
25	9	86	0.4	4	nd	
50	7	80	0.3	2	nd	
75	12	57	nd	2	nd	
500	10	54	0.3	2	nd	
25	16	83	0.4	4	10	
50	14	45	0.1	2	nd	
75	12	51	0.1	10	10	
600	9	69	0.3	4	nd	
25	11	76	nd	2	nd	
50	8	90	0.1	4	10	
75	42	41	1.2	4	nd	
700N	23	450	1.0	2	50	
50E + 300S	20	107	nd	30	10	
25	12	164	0.3	25	nd	
50	19	46	nd	20	nd	
75	16	46	0.4	4	nd	
400	65	65	0.2	4	10	
25	12	51	0.2	15	nd	
50	15	75	0.2	15	10	
75	12	70	0.1	20	20	
500	10	68	0.3	30	nd	
25	26	45	0.2	80	10	
50	75	24	0.4	25	nd	
75	11	29	0.4	35	nd	
600	16	91	0.3	25	nd	
25	12	45	0.5	20	nd	
50	11	52	0.2	20	nd	
75	16	71	0.2	300	10	
50E 700S	14	51	0.2	25	nd	
100E 300N	6	46	0.1	2	nd	
25	11	110	nd	2	nd	
50	9	61	nd	2	nd	
75	10	79	nd	4	nd	
400	15	67	0.1	4	nd	
25	15	90	0.1	2	nd	
50	8	63	0.2	2	nd	
75	11	105	0.1	2	nd	
100E 500N	6	74	0.2	2	20	

REMARKS:

Signed:

% Mo x 1.6683 = % MoS_2 1 Troy oz /ton = 34 28 ppm 1 ppm = 0 0001% nd = none detected ppm = parts per million

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Northair Mines Ltd.

Attention:

Report No: **81-69-030** Page 2 of 3
Samples Arrived:
Report Completed:
For Project:
Analyst:

Sample Marking	Cu ppm	Zn ppm	Ag ppm	As ppm	Au ppb	
100E 525N	20	124	0.2	4	nd	
50	213	45	1.2	2	nd	
75	15	74	0.3	2	nd	
600	17	69	0.3	2	nd	
25	14	68	0.2	2	10	
50	9	57	0.2	2	nd	
75	9	45	0.3	2	nd	
100E 700N	8	49	0.5	2	nd	
100E 300S	17	70	0.1	50	nd	
25	11	33	0.1	15	nd	
50	10	70	0.1	25	10	
75	14	78	0.3	40	nd	
400	11	92	nd	4	nd	
25	13	182	0.2	15	nd	
50	9	73	0.2	15	nd	
75	10	90	0.1	25	nd	
500	48	20	0.1	10	nd	
25	11	41	0.1	25	nd	
50	16	40	nd	20	nd	
75	24	55	0.1	50	10	
600	11	64	0.4	10	10	
25	11	69	0.1	15	10	
50	10	92	0.5	20	nd	
75	7	73	nd	25	nd	
100E 700S	8	323	0.2	200	nd	
150E 325N	17	39	0.1	4	nd	
50	10	50	nd	4	10	
75	9	51	nd	2	nd	
400	9	123	0.3	4	nd	
25	5	74	nd	4	nd	
50	8	46	nd	4	nd	
75	12	49	0.1	2	10	
500	12	40	0.2	2	nd	
25	8	74	nd	4	10	
50	7	67	0.1	10	10	
75	9	96	0.1	10	10	
600	8	82	0.2	4	nd	
25	10	74	nd	2	10	
150E 650N	8	43	0.1	2	nd	

REMARKS:

Signed: _____

% Mo x 1.6683 = % MoS_2 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001% nd = none detected ppm = parts per million

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Northair Mines Ltd.

Attention:

Report No: **81-69-030** Page **3** of **3**
Samples Arrived:
Report Completed:
For Project:
Analyst:

Sample Marking	Cu ppm	Zn ppm	Ag ppm	As ppm	Au ppb	
150E + 675N	7	81	0.2	4	10	
700	16	64	0.2	2	nd	
150E + 300S	9	44	0.1	15	nd	
25	10	42	nd	20	nd	
50	12	78	0.2	35	nd	
75	8	70	nd	4	nd	
400	10	115	0.2	15	nd	
25	12	96	nd	10	nd	
50	73	27	0.4	25	nd	
75	9	39	0.1	10	20	
500	12	35	nd	25	nd	
25	11	96	0.1	30	10	
50	11	91	0.1	15	nd	
75	17	77	nd	25	10	
600	11	40	0.1	20	nd	
25	16	51	0.1	25	nd	
50	10	82	nd	20	nd	
75	14	100	nd	40	10	
150E + 700S	11	96	0.1	60	nd	
250W + 300N	8	98	0.2	4	10	
25	10	71	nd	2	nd	
50	8	66	nd	2	nd	
75	16	56	nd	4	nd	
400	18	115	0.3	4	10	
25	15	77	0.1	2	nd	
50	16	105	0.1	4	nd	
75	24	74	nd	2	nd	
500	5	29	0.1	2	nd	
25	13	76	0.1	4	nd	
50	6	43	nd	2	nd	
75	8	45	nd	4	nd	
600	8	46	0.1	4	nd	
25	8	41	nd	10	nd	
50	7	41	nd	2	nd	
75	6	60	0.2	2	nd	
250W + 700N	6	65	nd	4	nd	

REMARKS:

Signed:

% Mo x 1.6683 = % MoS_2 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001% nd = none detected ppm = parts per million

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IN ACCOUNT WITH–
Northair Mines Ltd.
#1450 – 625 Howe Street
Vancouverf, B.C. V6C 2T6
Attention

Report No 81-69-005 Page 1 of 1
Samples Arrived May 27, 1981
Report Completed June 2, 1981
For Project 406-419-Bl
Analyst E.T. & VGC Staff
Invoice: 6175 Job # 81-085

Sample Marking	Ag* ppm	As ppm	Au ppb	
WG 9 B	nd	35	10	
10	0.1	30	nd	
11	0.2	150	110	
12	0.1	40	nd	
13	nd	25	nd	
14	nd	80	nd	
16	0.3	600	270	1255
17	0.2	25	nd	0+25W
18	0.2	4	nd	0+50W
19	0.1	4	nd	0+75W
20	0.1	4	nd	1255+75W
21	0.3	10	nd	1[illegible]
22	0.1	25	nd	+25W
23	0.2	20	nd	1255
24	0.3	25	10	[illegible]
25	0.1	20	nd	[illegible]
26	0.1	80	20	[illegible]
27	0.1	25	nd	1255+75S
28	0.2	25	nd	[illegible]
WG 29	0.1	60	nd	[illegible]
RAS 1	0.1	80	10	
2	0.1	150	50	
RAS 3	0.1	40	10	

REMARKS

Ag*8 = Ag background corrected.
One copy sent to Beaverdell, B.C.

Signed

*Mo x 1.6683 **MoS$_2$ ***Troy oz/ton = 34.28 ppm 1 ppm = 0.001% ****oz/ton = parts per million

All values are believed to be correct to the best knowledge of the analyst based on the method and instructions used

VANGEOCHEM LAB LTD.
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–IN ACCOUNT WITH–
Northair Mines Ltd.
#1450 – 625 Howe Street
Vancouver, B.C. V6C 2T6
Attention:

Report No: 81-69-009 Page 1 of 2
Samples Arrived: June 3, 1981
Report Completed: June 9, 1981
For Project: 406-419-B1
Analyst: E.T. & VGC Staff
Invoice: 6194 Job # 81-098

Sample Marking	Ag* ppm	As ppm	Au ppb	Pb ppm	Zn ppm	
PM 1	0.3	15	nd			
2	0.1	4	10			
3	0.2	10	nd			
4	0.1	4	nd			
5	0.4	20	nd			
6	0.4	25	nd			
7	0.5	25	10			
8	0.3	20	nd			
9	0.2	20	40			
10	0.2	15	nd			
11	nd	10	10			
12	0.2	50	10			
13	0.1	15	nd			
14	0.1	10	nd			
15	0.3	10	nd			
16	0.2	20	10			
17	0.2	20	20			
18	0.1	4	20			
19	0.1	4	nd			
20	0.1	40	nd			
21	nd	20	10			
22	0.2	30	10			
PM 23	0.7	20	20			
RAS 4	2.7	>1000	>4000 ✓			
5	0.2	2	10			
6	0.1	50	nd			
7	0.1	25	nd			
8	0.2	50	nd			
9	0.2	20	40			
10	0.1	15	40			
11	0.2	15	nd			
12	0.1	10	nd			
13	0.2	50	10			
14	0.3	40	nd			
15	nd	35	nd			
RAS 16	nd	20	nd			
S 1	0.2	—	40	16	84	
3	nd	—	10	15	71	
S 4	0.2	—	10	19	92	

REMARKS: Ag* = Ag background corrected.
One copy sent to Beaverdell, B.C.

Signed:

% Mo x 1.6683 = % MoS_2 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001% nd = none detected ppm = parts per million

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

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Northair Mines Ltd.

Report No: 81-69-009 Page 2 of 2
Samples Arrived:
Report Completed:
For Project:
Analyst:

Attention:

Sample Marking	Ag* ppm	Au ppb	Pb ppm	Zn ppm		
S 5	0.3	10	21	108		
6	nd	nd	21	90		
7	0.1	nd	23	76		
8	nd	nd	15	68		
9	nd	nd	14	81		
10	nd	10	20	70		
11	0.2	nd	15	66		
12	0.1	10	26	93		
14	nd	10	12	72		
15	0.2	nd	11	58		
16	nd	30	12	80		
17	0.1	10	13	91		
18	0.2	10	11	95		
19	nd	nd	16	88		
20	0.1	10	14	70		
21	nd	nd	21	46		
S 22	0.1	nd	15	59		

REMARKS: Ag* = Ag background corrected.

Signed: _____

% Mo x 1.6683 = % MoS_2 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001% nd = none detected ppm = parts per million

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

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Vancouver, B. C. V6C 2T6

Attention:

Report No: **81-69-022** Page **1** of **3**
Samples Arrived: **August 12, 1981**
Report Completed: **September 4, 1981**
For Project: **419 – B – 1**
Analyst: **E.T. & VGC Staff**
Invoice 6453 Job #81 – 254

Sample Marking	Cu ppm	Zn ppm	Ag ppm	As ppm	Au ppb
(B)100N+ 00	33	41	0.5	30	60
25	57	35	0.4	30	nd
50	31	40	0.2	10	20
75	31	73	0.3	35	nd
100	20	42	0.3	15	10
125	23	38	0.2	4	nd
50	24	57	nd	4	nd
75	29	46	nd	4	20
200	18	35	nd	10	nd
25	9	50	nd	10	nd
50	15	49	0.2	4	50
75	18	57	nd	15	20
300	21	67	0.1	20	20
100N+350W	150	30	0.4	30	20
150N+ 00	98	41	0.6	150	30
25W	91	52	0.4	40	30
50	22	65	nd	80	10
100	68	47	0.4	80	nd
25	25	51	0.1	100	nd
50	20	72	nd	20	30
75	18	43	0.3	15	10
200	15	46	0.1	4	nd
25	9	93	0.2	15	10
50	18	94	0.1	4	20
75	25	42	nd	4	nd
325	18	67	nd	10	nd
150N+350W	135	33	0.6	35	10
200N+ 00	54	60	nd	2	nd
25W	43	69	0.1	4	nd
50	27	46	nd	4	20
75	36	71	nd	4	10
100	20	40	nd	10	10
25	25	40	nd	20	10
50	24	51	0.1	30	nd
75	17	50	0.1	4	nd
200	16	45	0.1	4	nd
25	15	86	0.1	10	10
50	no sample				
(B)200N+275W	23	41	nd	4	10

REMARKS:

Signed:

% Mo x 1.6683 = % MoS_2 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001% nd – none detected ppm = parts per million

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

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Northair Mines Ltd.

Attention:

Report No **81–69–022** Page **2** of **3**
Samples Arrived.
Report Completed.
For Project:
Analyst

Sample Marking	Cu ppm	Zn ppm	Ag ppm	As ppm	Au ppb
(B)200N+300W	22	45	0.1	10	10
25	18	58	nd	10	nd
50	51	59	nd	35	10
75	19	92	nd	20	nd
200N+400W	21	50	nd	4	nd
250N+ 00	52	55	0.3	20	10
25W	26	51	nd	4	10
50	31	59	0.1	2	nd
75	23	49	nd	4	nd
100	18	44	0.2	4	10
25	20	45	nd	4	nd
50	28	57	nd	4	10
75	18	52	0.1	4	10
200	19	37	0.1	10	30
25	20	51	nd	10	10
50	14	82	nd	20	10
75	20	27	0.1	15	nd
300	26	46	0.1	30	nd
25	30	40	0.1	15	10
50	36	61	nd	10	nd
75	36	53	0.1	35	10
250N+400W	20	34	0.2	20	10
300N+ 00	28	72	0.3	4	nd
25W	37	76	nd	10	nd
50	34	80	0.2	4	nd
75	36	90	0.1	10	10
100	25	76	nd	4	nd
25	19	71	nd	10	nd
50	11	60	0.1	10	10
75	22	76	nd	15	10
200	28	40	nd	4	10
50	18	72	nd	4	nd
300	37	50	0.2	15	10
25	34	93	0.1	40	10
50	39	70	nd	30	10
75	34	82	nd	20	nd
300N+400W	14	47	0.1	4	10
350N+ 00	22	74	nd	2	10
(B)350N+ 25W	12	122	0.2	2	nd

REMARKS:

Signed:

% Mo x 1.6683 = % MoS_2 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001% nd = none detected ppm = parts per million

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VANGEOCHEM LAB LTD.
1521 PEMBERTON AVE.,
NORTH VANCOUVER, B.C.,
CANADA V7P 2S3

TELEPHONE: 986-5211
AREA CODE: 604

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–IN ACCOUNT WITH–
Northair Mines Ltd.

Attention:

Report No. **81-69-022** Page **3** of **3**
Samples Arrived:
Report Completed:
For Project:
Analyst:

Sample Marking	Cu ppm	Zn ppm	Ag ppm	As ppm	Au ppb	
(B)350N+ 50W	99	160	0.2	15	10	
75	39	120	0.2	10	nd	
100	63	111	nd	4	nd	
25	30	74	0.1	4	nd	
50	28	70	0.1	10	nd	
75	65	81	nd	10	10	
200	22	59	nd	.4	nd	
25	20	69	0.1	4	nd	
50	41	55	nd	4	20	
75	19	36	nd	4	nd	
300	15	76	0.1	4	nd	
25	28	57	nd	15	nd	
50	17	100	nd	15	nd	
75	19	54	0.3	35	nd	
350N+400W	31	59	0.2	16	nd	
(B)400N+ 00	34	104	0.3	4	20	

REMARKS:

Signed

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–IN ACCOUNT WITH–

Northair Mines Ltd.
#1450 – 625 Howe Street
Vancouver, B.C. V6C 2T6

Attention:

Report No: **81-69-027** Page **1** of **1**
Samples Arrived: **September 8, 1981**
Report Completed: **September 21, 1981**
For Project: **From File 406-419-B**
Analyst: **E.T. & VGC Staff**
Invoice: 6505 **Job # 81-325**

Sample Marking	Mo ppm	Cu ppm				
PM 1	3	21				
2	2	20				
3	3	16				
4	3	33				
5	2	34				
6	2	18				
7	2	22				
8	3	24				
9	nd	12				
10	nd	14				
11	2	25				
12	nd	52				
13	2	16				
14	2	24				
15	1	13				
16	2	21				
17	1	12				
18	1	12				
19	nd	16				
20	3	21				
21	1	17				
22	nd	25				
PM 23	2	100				

MASTER PRINTING LTD

REMARKS.

Signed:

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VGC

VANGEOCHEM LAB LTD.
1521 PEMBERTON AVE
NORTH VANCOUVER, B.C.,
CANADA V7P 2S3

TELEPHONE: 986-5211
AREA CODE: 604

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—IN ACCOUNT WITH—

Northair Mines Ltd.
#1450 - 625 Howe Street
Vancouver, B. C. V6C 2T6
Attention.

Report No. 81-69-026

Samples Arrived: Aug.22, 1981
Report Completed: September 24, 1981
For Project: 419 B-1
Analyst. E.T. & VGC Staff
Invoice: 6514 Job # 81-272

Sample Marking	Cu ppm	Zn ppm	Ag ppm	As ppm	Au ppb
(C) 00+00	19	141	0.4	15	nd
25W	15	52	0.1	4	nd
50	19	116	0.2	20	20
75	20	81	0.2	35	nd
100	15	87	0.2	4	nd
25	67	96	nd	2	nd
50	29	147	0.3	2	nd
75	8	49	0.3	2	nd
200	12	44	nd	4	nd
25	25	62	0.1	4	10
50	57	90	0.5	300	50
75	19	62	0.1	4	10
300	21	70	0.3	20	nd
00+325	23	42	0.3	50	nd
50S+125	88	61	0.1	2	nd
50	26	265	0.1	2	nd
75	35	141	0.1	10	nd
200	45	120	nd	15	10
25	73	129	1.3	80	600
50	41	75	nd	30	30
75	24	66	0.2	4	10
50S+300W	20	43	nd	10	10
50N+00	17	68	0.1	4	nd
25	15	63	nd	4	nd
50	11	104	0.2	10	nd
75	21	118	0.1	2	nd
100	25	194	0.1	4	nd
25	26	55	nd	4	nd
50	18	46	nd	4	nd
75	19	50	0.2	2	20
200	26	74	0.2	4	nd
25	28	102	0.2	60	10
50	49	63	0.2	35	10
75	41	46	0.4	20	nd
300	65	176	0.4	25	30
25	28	175	0.3	30	10
50N+350W	41	47	nd	50	nd
150N+00	13	110	0.1	2	nd
(C)150N+25W	24	121	0.1	2	30

REMARKS

Signed:

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–IN ACCOUNT WITH–
NOrthair Mines Ltd.

Attention:

Report No: 81–69–026 Page 2 of 3
Samples Arrived:
Report Completed:
For Project:
Analyst:

Sample Marking	Mo ppm	Cu ppm	Zn ppm	Ag ppm	As ppm	Au ppb	
(C) 150N+ 50W	--	12	105	nd	4	nd	
75	--	41	118	0.4	2	nd	
100	--	32	166	0.3	20	nd	
25	--	14	102	0.2	10	nd	
50	--	12	69	0.2	4	nd	
75	--	24	91	0.2	4	10	
200	--	32	94	0.1	10	nd	
25	--	40	90	0.2	2	nd	
50	--	10	62	0.1	4	nd	
75	--	62	95	0.2	4	30	
300	--	9	82	nd	15	10	
25	--	18	63	nd	15	10	
50	--	30	69	nd	2	30	
150N+375W	--	21	78	0.1	10	20	
250N+ 00	--	5	91	0.3	4	20	
25W	--	16	155	0.3	2	40	
50	--	11	40	nd	2	nd	
75	--	7	49	0.1	4	nd	
100	--	9	40	0.1	4	nd	
25	--	10	92	0.1	4	nd	
50	--	43	44	nd	2	nd	
75	--	24	81	0.2	2	20	
200	--	18	54	0.3	2	10	
25	--	19	46	nd	10	20	
50	--	16	46	0.1	80	10	
75	--	18	119	0.2	15	nd	
300	--	20	78	0.3	4	20	
25	--	11	102	0.1	2	nd	
50	--	36	73	0.2	10	10	
375W	--	12	132	nd	2	20	
25E	--	7	50	0.1	2	nd	
50	--	8	89	0.1	2	nd	
75	--	10	102	0.3	4	10	
(C) 250N+100E	--	6	77	0.2	2	10	
287S 2160W	2	52	89	0.1	400	450	GRID A
70	1	110	45	0.1	>1000	460	
80	2	100	96	0,1	>1000	800 ✓	
287S 2190W	1	16	59	nd	300	190	
300S 2160W	2	22	72	nd	80	20	GRID A

REMARKS.

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1521 PEMBERTON AVE.,
NORTH VANCOUVER, B.C.,
CANADA V7P 2S3

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AREA CODE: 604

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–IN ACCOUNT WITH–

Northair Mines Ltd.

Attention:

Report No: 81-69-026 Page 3 of 3
Samples Arrived:
Report Completed:
For Project:
Analyst:

Sample Marking	Mo ppm	Cu ppm	Zn ppm	Ag ppm	Au ppb	As ppm	
300S 2170W	2	12	25	0.2	10	300	GRID A
80	2	10	56	0.1	10	150	
300S 2190W	1	9	74	0.3	30	100	GRID A

REMARKS:

Signed: _____

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HUNTER
SILVER DOLLAR
UTOPIA
MONITOR
GRID # 4 (1981)
MOGUL
C.G.
YORKSHIRE LASS
HIGHLAND MARY
ANCHOR
BARNATO FR.
BASE LINE # 1 AZ 86°
MOUNTAIN VIEW
MAME
HARD TO BEAT
COIN FR
BARNATO
HACKLE
KETTLE 1
KETTLE 4
IVANHOE
GRID # 3 (1981)
GRID # 1
RIVERSIDE
GLOBE
KAFFIR KING
GRID # 2 (1981)
SILVER BELL
MONA
MEXICO
RAMBLER
CALEDONIA
NORTH STAR
O.K.
BOSTON 2845
KINGSTONE ER
CHAMPION
KINGSTONE
DENVER
KETTLE 2
BOSTON 2301
HOUSTON
KETTLE 3
SUPERIOR

* NO SAMPLE TAKEN
ND-NOT DETECTED

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
10,456

CARMAC RESOURCES LTD.

BARNATO PROPERTY

ZINC IN SOILS
1981 VALUES

Scale : 1:5,000	NTS No. 82 E / 7W
Date : Dec. 1981	Figure No. 7
Survey By : Wilson A. Gawargis	Drawn By : EDCO LTD.

HUNTER
SILVER DOLLAR
UTOPIA
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GRID # 4 (1981)
MOGUL
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RAMBLER
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DENVER
BOSTON 2301
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HOUSTON
KETTLE 3
SUPERIOR

NS - NO SAMPLE TAKEN
ND - NOT DETECTED

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 10,456

CARMAC RESOURCES LTD.

BARNATO PROPERTY

COPPER IN SOILS
1981 VALUES

Scale : 1 : 5,000	NTS No. 82 E / 7W
Date : Dec. 1981	Figure No. 6
Survey By : Wilson A. GeoEngrs	Drawn By : EDCO LTD.

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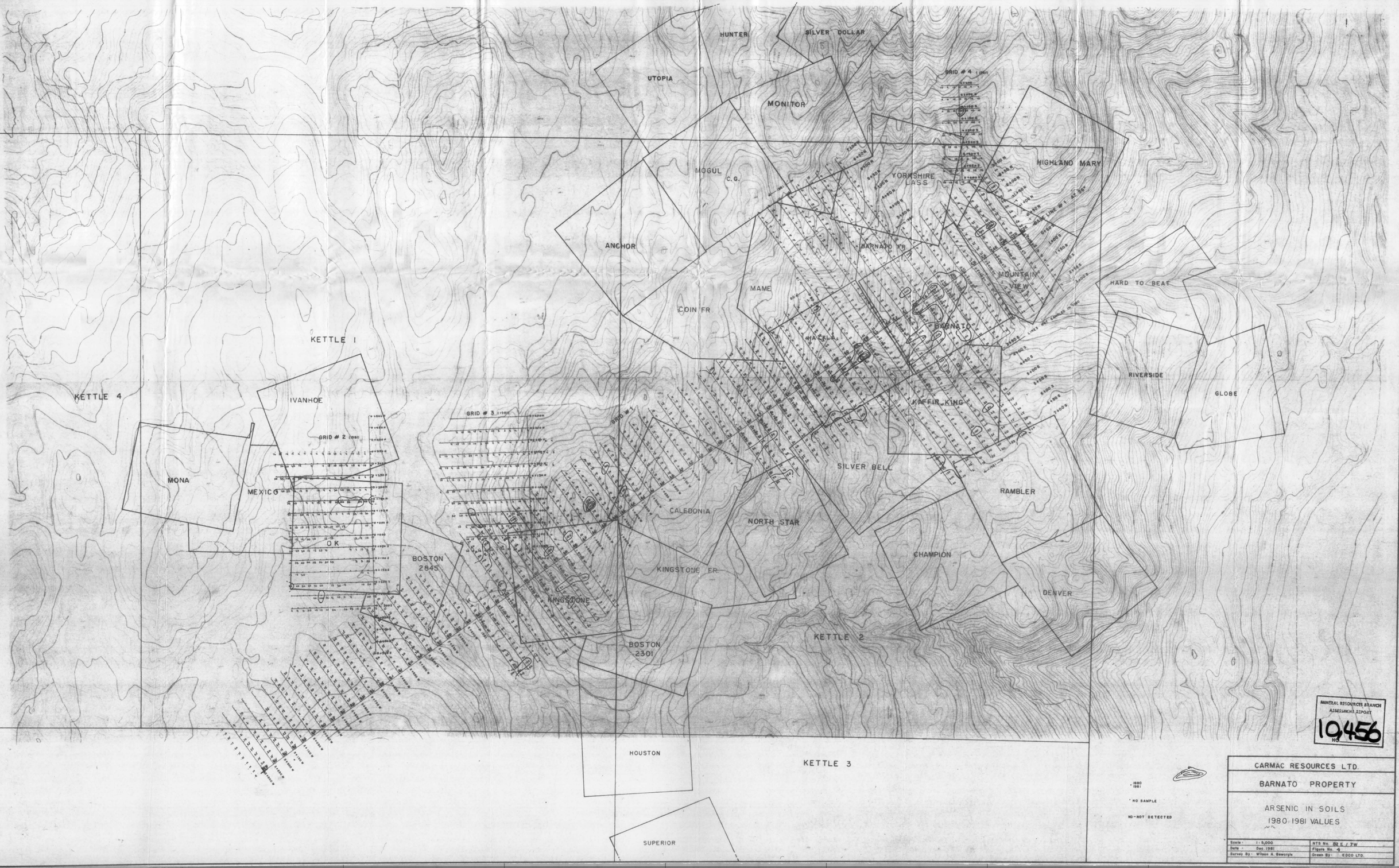
BARNATO PROPERTY

SILVER IN SOILS
1981 VALUES

Scale:	1:5,000	NTS No.	82 E / 7W
Date:	Dec. 1981	Figure No.	5
Survey By:	Wilson A. Gewargis	Drawn By:	EDCO LTD.



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 10456

1980
1981

* NO SAMPLE

ND-NOT DETECTED

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BARNATO PROPERTY

ARSENIC IN SOILS
1980-1981 VALUES

Scale - 1:5,000	NTS No. 82 E / 7W
Date - Dec. 1981	Figure No. 4
Survey By: Wilson A. Geworgis	Drawn By: EDCO LTD.

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BARNATO PROPERTY

GOLD IN SOILS
1980/1981 VALUES

Scale :	1 : 5,000	NTS No.	82 E / 7W
Date :	Dec. 1981	Figure No.	3
Survey By :	Wilson A. Gewargis	Drawn By :	EDCO LTD.