ARCHER, CATHRO
& ASSOCIATES (1981) LIMITED
CONSULTING GEOLOGICAL ENGINEERS
1016 - 510 West Hastings Street, Vancouver, B.C. V6B 1L8 Tel (604) 688 - 2568 • Fax (604) 688 - 2578

SUMMARY REPORT

on

1992 EXPLORATION

MATSON CREEK PROPERTY

DAWSON MINING DISTRICT

BOR 1-16 - YB30561-YB30576
BOR 21-42 - YB30577-YB30598
BOR 43-62 - YB40085-YB40104
BOR 63-74 - YB40858-YB40869

Latitude 63°31′ North; Longitude 139°50′ West

NTS 115N/10

for

YGC RESOURCES LTD.

093099

R.C. Carne, M.Sc., P.Geo.

March, 1993

Box 4127, 2054 Second Avenue, Whitehorse, Y.T. Y1A 3S9 Tel (403) 667 - 4415

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 23,200.00 .

Robert Dekleck

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

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SUMMARY AND CONCLUSIONS

The Matson Creek property is located in south-central Yukon, about 10 km east of the Alaska border and 90 km southwest of Dawson City. The claims are serviced by a 100 km long four-wheel drive road from Sixtymile, the nearest point of access to the Yukon highway system and by a 600 m all-weather airstrip located in the western part of the property.

The area is underlain by metamorphosed intermediate to felsic volcanic and sedimentary rocks assigned to the Carboniferous to Permian Klondike Schist. Correlative rocks host a number of volcanogenic massive sulphide deposits in adjacent Alaska.

Soil geochemical surveys by previous operators in 1977-79 and by YGC Resources Ltd., the property owner, in 1990 and 1991 outlined coincident lead-zinc-copper soil geochemical anomalies that are continuous over the complete length of the 7 km long grid, extending off the area of sampling at both ends. The anomalous zone is roughly linear, following the surficial trace expected for an isoclinally folded stratiform source parallelling southerly-dipping compositional layering in underlying bedrock.

The area was not glaciated during the Pleistocene and laminated horizons of boxwork after pyrite and other sulphides that are associated with the geochemical anomalies are leached of zinc and copper but retain anomalous lead values.

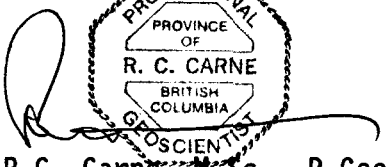
Exploration during 1992 was funded by Kennecott Canada Inc. and consisted of road building, linecutting, soil sampling, geological mapping, prospecting, a Max-Min I-9 HLEM geophysical survey and 796 m of diamond drilling in five holes. The work was directed at the western end of the explored part of the property where the strongest geochemical response is coincident with EM anomalies and a 100 m wide zone of recessive, decomposed and very limonitic quartz-sericite schist.

All five holes intersected base metal sulphides and oxides over narrow widths. Mineralization consists of laminar concentrations of disseminated galena with variably oxidized and leached pyrite and sphalerite within siliceous ankerite or ferroan dolomite intervals interpreted as distal exhalite horizons. These occur at four stratigraphic positions at or near the transition from intermediate to felsic flows or tuffs. The drilling traced the horizons over a 1 km distance and the best intersection was at the western end of the explored area where a 4.1 m wide interval returned values of 0.08% zinc, 1.10% lead and 0.09% copper with 2.7 g/t silver. The intersection is almost completely oxidized and leached so that zinc, copper and silver grades could originally have been much higher.

The geochemical and geophysical response as well as the best drill intersections occur at the extreme western end of the 7 km long explored area. Mineralization intersected by the drilling is interpreted as distal volcanogenic-exhalative in nature. Accordingly, the area of exploration should be extended farther to the west to evaluate the untested potential of overburden-covered areas along strike for proximal facies massive sulphide mineralization. This work should initially consist of soil geochemical sampling, followed with geophysical surveys and diamond drilling in 1994 if warranted. A proposed 1993 exploration budget is given on the following page.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED



R.C. Carne, M.Sc., P.Geo.

/mc

PROPOSED 1993 BUDGET
MATSON CREEK PROPERTY

Fixed Wing	$ 5,200
Labour - crew chief and 2 assistants, senior supervision, including travel time	4,100
Drafting, Office, Secretarial, Accounting	2,000
Room and Board	1,800
Geochemical Analyses	1,800
Truck Rental	600
Contingency	3,500
Management	1,000
	$20,000
plus 7% GST	1,400
	$21,400

INTRODUCTION

The Matson Creek property was staked in May, 1990 by Archer, Cathro & Associates (1981) Limited and sold to YGC Resources Ltd. at cost later that month. The claims were acquired to cover an extensive coincident lead-zinc-copper soil geochemical anomaly resulting from previous exploration. YGC carried out enough soil sampling in 1990 and 1991 to confirm the tenor and extent of the anomalous area.

The 1992 field program was funded by Kennecott Canada Inc. under the provisions of an option agreement with YGC Resources Ltd. Work included road building, linecutting, soil sampling, geophysical (Max-Min I-9 EM) surveys and 796 m of diamond drilling in five holes. Only a small part of the previously defined area of interest was explored by the 1992 program.

Appendix I includes the Author's Statement of Qualifications while a list of personnel who worked on the project is included as Appendix II.

PROPERTY, LOCATION AND ACCESS

The Matson Creek property is located in west-central Yukon, about 10 km east of the Alaska border and 90 km southwest of Dawson City (Figure 1). Coordinates for the central part of the property are 63°31′ north latitude and 139°50′ west longitude. Active placer mining in the area is serviced by a 100 km long four-wheel drive road from Sixtymile, the nearest point of access to the Yukon highway system. A 2 km four-wheel drive road was constructed from the main access road to the claims in 1992.

A 600 m long, all-weather airstrip is located in the southwest part of the property and is suitable for small to medium sized fixed-wing aircraft such as the Cessna 206 or DeHavilland Otter. A network of four-wheel drive roads and bulldozer trails connects the 1992 campsite at the airstrip with the various areas of exploration interest on the property.

The Matson Creek property consists of seventy claims registered with the Dawson Mining Recorder in the name of Archer, Cathro as follows:

Claim Name	Grant Numbers	Expiry Date*
Bor 1-16	YB30561-YB30576	March 4, 1996
Bor 21-42	YB30577-YB30598	March 4, 1996
Bor 43-62	YB40085-YB40104	March 4, 1996
Bor 63-74	YB40858-YB40869	June 16, 1993

*Prior to acceptance of assessment credit applied for in February, 1993.

Claim locations are shown on Figure 2.

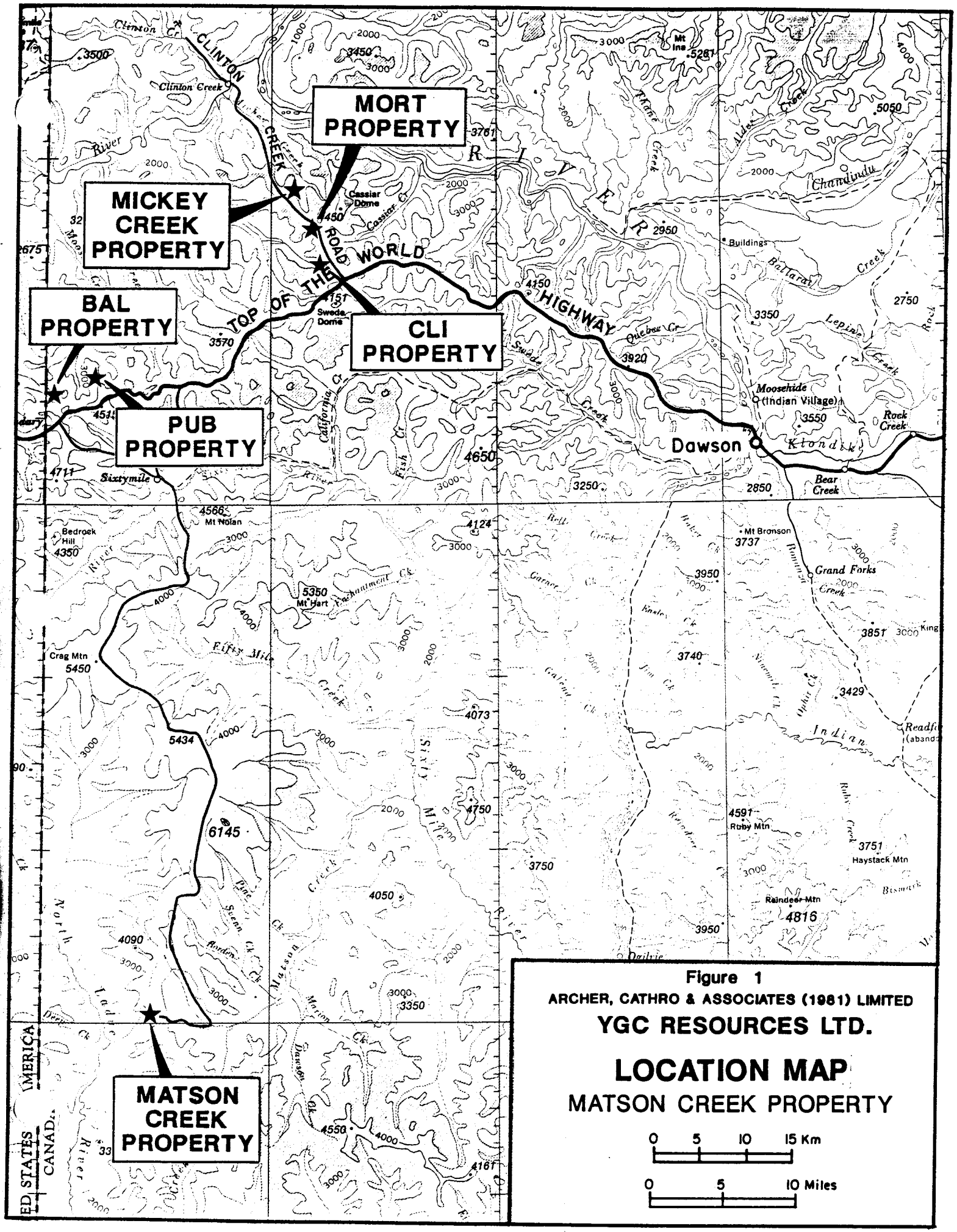


Figure 1

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

YGC RESOURCES LTD.

LOCATION MAP

MATSON CREEK PROPERTY

0 5 10 15 Km

0 5 10 Miles

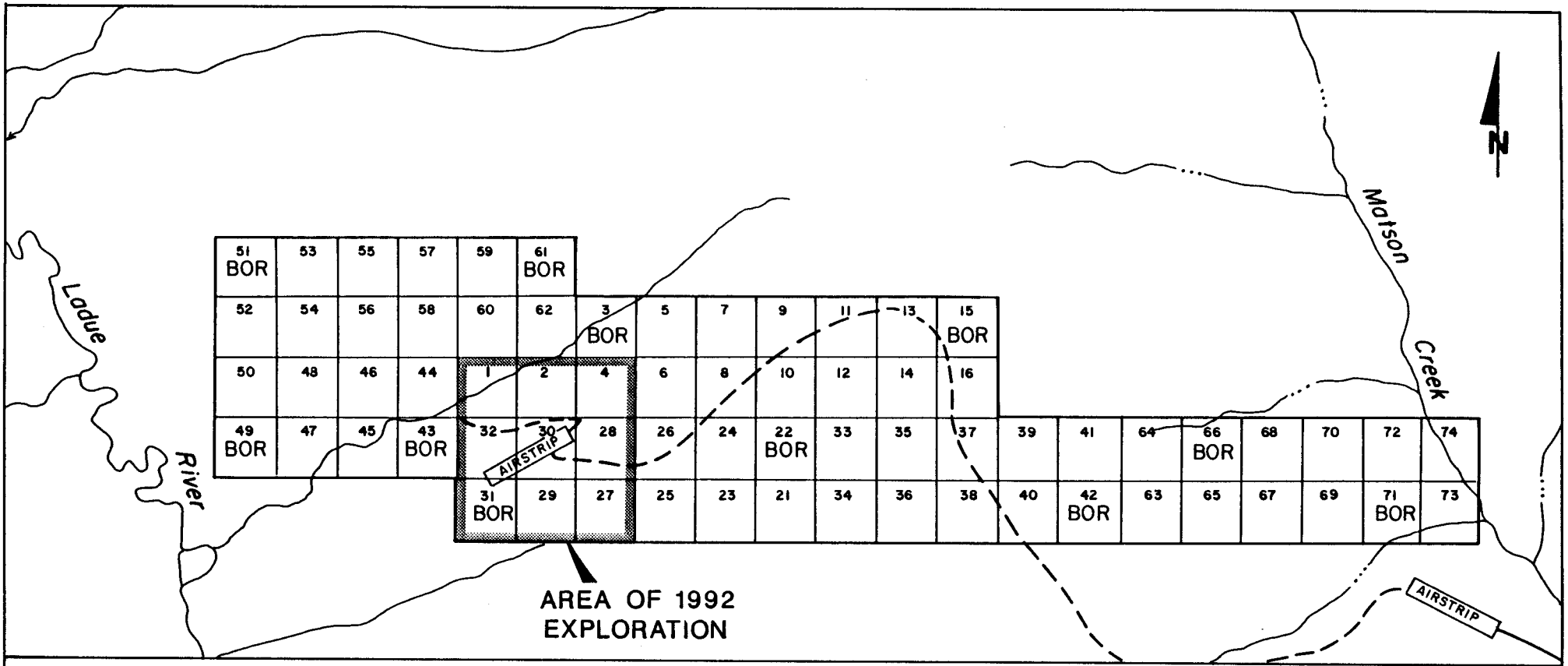


Figure 2

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATIONS

MATSON CREEK PROPERTY

WEST-CENTRAL YUKON

YGC RESOURCES LTD.

– – – – – Four wheel drive road constructed in 1992

0 1000 2000 3000 m

0 2000 4000 6000 8000 10000 feet

HISTORY AND PREVIOUS WORK

The area was first staked in 1977 by Moose Creek Exploration Ltd. during the course of regional exploration for volcanogenic massive sulphide deposits in east-central Alaska and west-central Yukon. Moose Creek was a joint venture between American Copper and Nickel Company Inc. (Inco) and Kennecott Copper Corp. The property was explored with mapping, geophysical and geochemical surveys in 1977 and 1978. Ocean Home Exploration Co. Ltd., a successor company to Moose Creek, added to the claim block in late 1978 and extended the area of the geochemical survey in 1979.

Archer, Cathro restaked the property in May, 1990 for YGC which carried out enough soil sampling and prospecting the following August and September to confirm the anomalous values outlined by the earlier surveys. Detailed soil sampling was carried out by YGC in 1991 at the west end of the previously explored area where relatively high coincident base metal soil geochemical response was returned from the 1977-79 exploration.

1992 PROGRAM

Exploration during 1992 was funded by Kennecott Canada Inc. and consisted of road building, linecutting, soil sampling, geological mapping, prospecting, a Max-Min I-9 HLEM geophysical survey and 796 m of diamond drilling in five holes.

The 1992 tent camp was located at the airstrip near the west end of the claim group. Personnel, construction materials, the diamond drill and drilling supplies were transported by truck to the property from Whitehorse. Weekly grocery supply trips were made by Cessna 206 aircraft from Dawson City.

The geophysical survey was carried out between July 14 and July 21, 1992 by contractor Amerok Geophysics of Whitehorse. Results are summarized in a following section.

Diamond drilling was carried out between August 1 and August 15, 1992 by E. Caron Diamond Drilling Ltd. of Whitehorse using a Longyear 38 wireline-equipped diamond drill. The drill was supported with a Caterpillar D6C winch tractor supplied by the contractor.

Mineralized intervals were split and half was sent to Chemex Labs Ltd., North Vancouver, B.C. Samples were assayed for copper, lead, zinc (in percent), silver (in ounces per ton) and gold (in parts per billion).

The drill core is stored at the camp site. All other materials and equipment were removed from the property at the termination of the program.

GEOMORPHOLOGY

Topography on the property is subdued with elevations ranging from 580 to 1160 m above sea level. Ridge crests on the claim block are above treeline while side hills and valley bottoms support light to moderate second growth re-established after destruction of heavy mature forest cover by fire 15 to 20 years ago.

Residual overburden cover is thin but because the area is unglaciated, bedrock exposures are limited to resistant strata on ridge crests. Over 50% of the property is mantled by lightly vegetated talus and mineral soil. Actual in-place outcrop probably forms less than 10% of the area. The soil is dry and relatively well drained. Permafrost is probably absent to discontinuous on southerly-facing slopes but patchy to relatively continuous on northerly-facing slopes.

The area was not glaciated during the Pleistocene and sulphide minerals are completely oxidized on surface. Oxidation extends to several tens of metres or more from surface.

GEOLOGY

The Matson Creek area is underlain by a belt of intercalated metavolcanic and metasedimentary rocks assigned to the Carboniferous to Permian(?) Klondike Schist by the Geological Survey of Canada.

Regional mapping by Moose Creek Exploration in east-central Alaska and adjacent Yukon Territory identified a regionally extensive quartz-sericite and quartz-paragonite schist unit thought to be a metamorphosed felsic volcanic sequence. Correlative rocks host a number of metamorphosed volcanogenic massive sulphide base metal deposits in adjacent Alaska. These lithologies form a thicker than normal succession in the Matson Creek area, suggesting proximity to a felsic volcanic centre. Enclosing strata include quartz-sericite schist, calcareous mica schist, chloritic green schist, marble and black graphitic schist. Detailed geological mapping was carried out over the western part of the property in 1992 and results are shown on Figure 3. Results are inconclusive as bedrock exposure is estimated at less than one percent of the property area, mainly occurring along road cuts.

Compositional layering and schistosity in metamorphic rocks on the Matson Creek property dip moderately to the south, striking approximately east-west. Internal crenulations and small-scale folds may be parasitic structures related to larger-scale structures which are not evident from mapping and drilling carried out to date.

GEOCHEMISTRY

Most of the area of the present Matson Creek property was grid soil sampled on widely-spaced lines by Moose Creek Exploration in 1978. The grid sampling was extended to the west and the east by Ocean Home Exploration in 1979. Results were filed for assessment credit and are publicly available. Five hundred and twenty-six soil samples were collected in 1978 and 107 silt and soil samples were collected the following year. The 1990 exploration by YGC included the collection of 144 soil samples and 5 rock samples. Grid soil sampling over a 700 by 1200 m area in the western part of the property in 1991 totalled 178 samples. Detailed coverage in this area was augmented by an additional 264 samples in 1992.

The combined 1978-79 and 1990-92 grid soil sample surveys cover a 2 km wide area that extends for 7 km in an east-west direction, parallel to the structural fabric of underlying bedrock.

The 1978 samples were collected at 200 foot (61 m) intervals on lines spaced 1000 feet (305 m) apart. Sample locations were established by pace and compass and marked with a 60 cm wooden lath. Only one 1978 sample line was relocated in 1990, above the vegetation limit along the northerly-trending ridge in the east part of the property. A 1 km length of this line was re-established and checked for accuracy. Distance between the samples ranged from 42 to 76 m and lateral deviation from the north-south bearing of the line ranged up to 20 m on either side. The 1979 samples were collected at 100 foot (30.5 m) or 200 foot (61 m) intervals along claim lines. These have not been relocated.

The 1990 samples were collected at 50 m intervals on surveyed cut lines spaced 200 m apart. Sample locations were marked with a one metre wooden lath with the sample number labelled by lumber pencil. The 1991 samples were collected at 50 m intervals along hip chain and compass lines spaced at 100 m intervals. Sample locations were marked with orange survey flagging and later

tied into the linecutting carried out for the 1992 geophysical and geochemical surveys. The 1992 soil samples were collected at 50 m intervals along the cut lines. Samples are marked with a 50 cm wooden lath with the sample number labelled by lumber pencil. Sample locations are given at 1:10,000 scale on Figure 4 and for the detailed area of 1991-92 exploration at 1:2500 scale on Figure 5.

Samples collected in 1978 and 1979 were sent to Fairbanks for analysis by Resource Associates of Alaska, Inc. Stream sediment and soil samples were dried and sieved to -80 mesh. Copper, lead, zinc and silver determinations were performed using atomic absorption spectroscopy (AA) on aqua-regia digestions of 2 gram samples.

The 1990-92 soil samples were collected in pre-numbered Kraft paper bags and sent to Chemex Labs Ltd. in North Vancouver where they were prepared by drying and sieving to minus 80 mesh. Thirty-two element analysis, including those for all the major base metals and silver, were carried out on nitric aqua-regia digestion of 2 gram samples with induced coupled plasma (ICP) determination. Gold analyses were carried out on the 1990 samples on a separate 10 gram sample split by fire assay with atomic absorption spectroscopy finish (FA-AA). The 1992 analytical certificates are reproduced in Appendix III.

In all five sampling programs, soil samples were optimally collected from the B Horizon although soil profiles in the area are not sufficiently developed to be reliably differentiated. Most samples were probably taken from soliflucted mineral soils which include both B and C Horizons.

Results of all five geochemical surveys are compiled at 1:10,000 scale for the entire property and for the Main Zone area at 1:2500 scale on Figures 6 to 11. Contour intervals were established based on the results of statistical analysis of the 1978 exploration data by Moose Creek Exploration. The 1979 program

utilized the same lab and analytical methods as the 1978 exploration so the results should be compatible. Comparison between the old and modern data sets shows that range and variability of the 1990-92 data fall within those of the earlier results and, despite differing preparation and analytical techniques, the results appear to be directly comparable.

Lead values have the highest contrast, ranging from <2 to 2350 ppm (Figures 6 and 7). Background values are less than 50 ppm. Contoured lead data reveals a 100 to 500 m wide zone of moderate to very high values that is continuous over the complete length of the 7 km long grid and extends off the area of sampling at both ends. The lead anomaly is roughly linear in shape, following the surficial trace expected for an isoclinally folded stratiform source that generally parallels southerly-dipping compositional layering in underlying bedrock. The strongest lead response occurs within a 1100 m long, 300 m wide zone outlined by the 1991-92 sampling in the western part of the property. The most anomalous lead values, which range up to 2350 ppm, occur at the western end of the main anomaly. The westerly strike extension lies across a major drainage in an area of relatively deep overburden cover which has not been adequately tested by geochemical sampling to date. Several other less well defined anomalies parallel the main zone to the north.

Zinc values in soils range between 8 and 1555 ppm with background values ranging up to 100 ppm (Figures 8 and 9). Although the zinc contents of soil samples do not have the dramatic contrast between background and peak values of the lead data, the anomalous values coincide well with the lead anomalies. The best values lie within the area of strongest lead response at the west end of the grid.

Copper response is subdued. Backgrounds range up to 50 ppm and values in soils in the area sampled vary between 5 and 365 ppm (Figures 10 and 11). The

contoured copper anomalies are somewhat discontinuous although they correlate well with the best lead and zinc values.

The high lead versus copper and zinc values in soils on the property probably reflects the relatively higher leachability of copper and zinc with respect to lead in highly weathered terranes rather than reflecting metal ratios of primary bedrock mineralization.

The contoured soil geochemical data demonstrates a strong relationship between lead, zinc and copper values. Several anomalous zones are present. These roughly parallel stratigraphy and probably represent several stratigraphic/ structural mineralized horizons or fold repeats of a single horizon. Insufficient prospecting and geological mapping have been carried out to define the type of mineral deposit responsible for anomalous response in all areas, however rock samples collected from the eastern part of the main geochemical anomaly contain banded limonitic and boxwork horizons characteristic of leached disseminated to semi-massive stratiform mineralization. Farther to the west in the area of the strongest geochemical response, the multi-element geochemical anomaly coincides with a 100 m wide zone of recessive, decomposed and very limonitic quartz-sericite schist. This was explored by the 1992 geophysical and diamond drilling programs and results are discussed in the following section.

MINERALIZATION

No surface sulphide mineralization is present within the property area because of deep oxidation due to the absence of Pleistocene glaciation. The potential for volcanogenic massive sulphide mineralization was first established with the discovery of goethite and jarosite float fragments in vegetated talus by Moose Creek Exploration. These are described as having a spongy texture with a distinctly stratiform character but their locations and metal contents are not reported.

Geochemical analyses of samples of similar material discovered by YGC in 1990 in one location on a ridge crest in the southeast part of the property are listed below.

Sample No.	Lead (ppm)	Zinc (ppm)	Copper (ppm)	Barium* (ppm)	Silver (ppm)
90-Bor-1	7760	440	2000	450	16.0
R5266	654	380	185	5120	1.0
R5267	1130	460	1315	3940	22.8
R5268	1895	452	910	990	1.0

*partial extraction

The samples consist of thinly laminated quartz-sericite schist with about 30 to 60% boxwork cavities lined with brown iron oxides. The boxworks are aligned along compositional layering in the rock. While the metal values are not economic in themselves, they were considered to be significant indicators of stratiform base metal mineralization considering the extremely leached nature of the rock specimens.

Diamond drilling in 1992 occurred within the area of detailed exploration, northeast of the airstrip at the west end of the property, where multi-element anomalous geochemical and geophysical response coincide with a 100 m wide zone of recessive, decomposed and very limonitic quartz-sericite schist. All five holes intersected variably oxidized base metal mineralization over narrow widths.

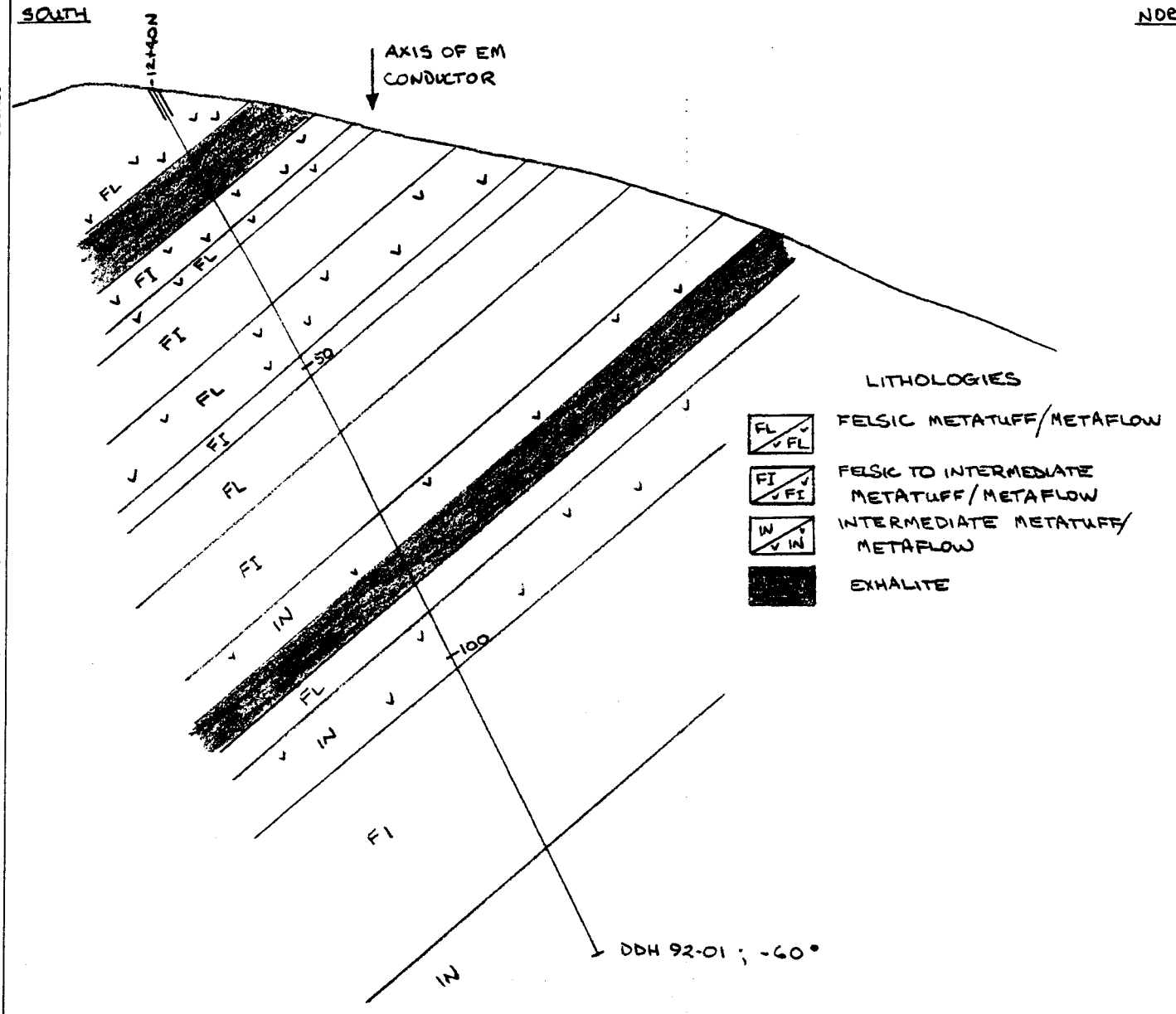
Diamond drill hole logs appear as Appendix V while cross sections through the holes are shown on Figures 12 to 16.

Holes 92-01 and 92-02 were drilled east of the airstrip to test strong EM response that coincides with second-order geochemical anomalies. Hole 92-01 intersected two mineralized quartz-sericite-feldspar schist intervals interpreted as rhyolitic tuff-exhalite horizons. These occur within metamorphosed intermediate to felsic flows and tuffs. The upper intersection is a 6.4 m thick zone between 13.3 and 19.7 m depth which contains minor galena with secondary copper and zinc minerals as disseminations within thin (2-4 cm) iron-carbonate horizons that parallel foliation in the host quartz-sericite schist. The best assay interval was 2.2 m grading 0.03% Zn, 0.16% Pb, 0.02% Cu and 2.7 g/t Ag at 13.3 m depth.

Hole 92-02 was collared 130 m southeast of Hole 92-01 and intersected a sequence of intermediate to felsic metavolcanic rocks that structurally overlies the section explored by Hole 92-01. Two narrow quartz-siderite-sericite schist intervals interpreted as exhalite horizons were intersected. The best assay returned was one of 0.42% Zn, 0.28% Pb, 0.02% Cu and 1.4 g/t Ag from a 26 cm interval intersected at 80.6 m depth. Mineralization consists of small (<1 mm) grains of sphalerite, galena and pyrite within siderite laminae.

Holes 92-03, 92-04 and 92-05 were drilled at 100 m intervals along the east-west trend of the strongest multi-element soil geochemical response on the property. This area lies approximately 1 km along structural strike to the northwest of the section explored by Holes 92-01 and 92-02. All three holes intersected a sequence of metamorphosed intermediate to felsic tuffs and flows which is very similar to that intersected by Holes 92-01 and 92-02. Four apparently discontinuous exhalite horizons were intersected which are probably correlative with the four horizons intersected in the first two holes. A 2.3 m

Project MATSON	NTS	Scale 1:1000	Page of	Traverse FIG. 12
Sampler	Location, Target (words) DDH 92-01 SECTION		Sample Nos	
Date	photo no.		Cert. Nos	



GEOCHEM: Cu Mo Pb Zn U W ASSAY:

ATTITUDES (100/40 N)

SANDSTONE SILTSTONE CONGLOMERATE VOLCANIC CHERT SHALE

SILT X SOIL ● ROCK ■ PAN △ WATER ○

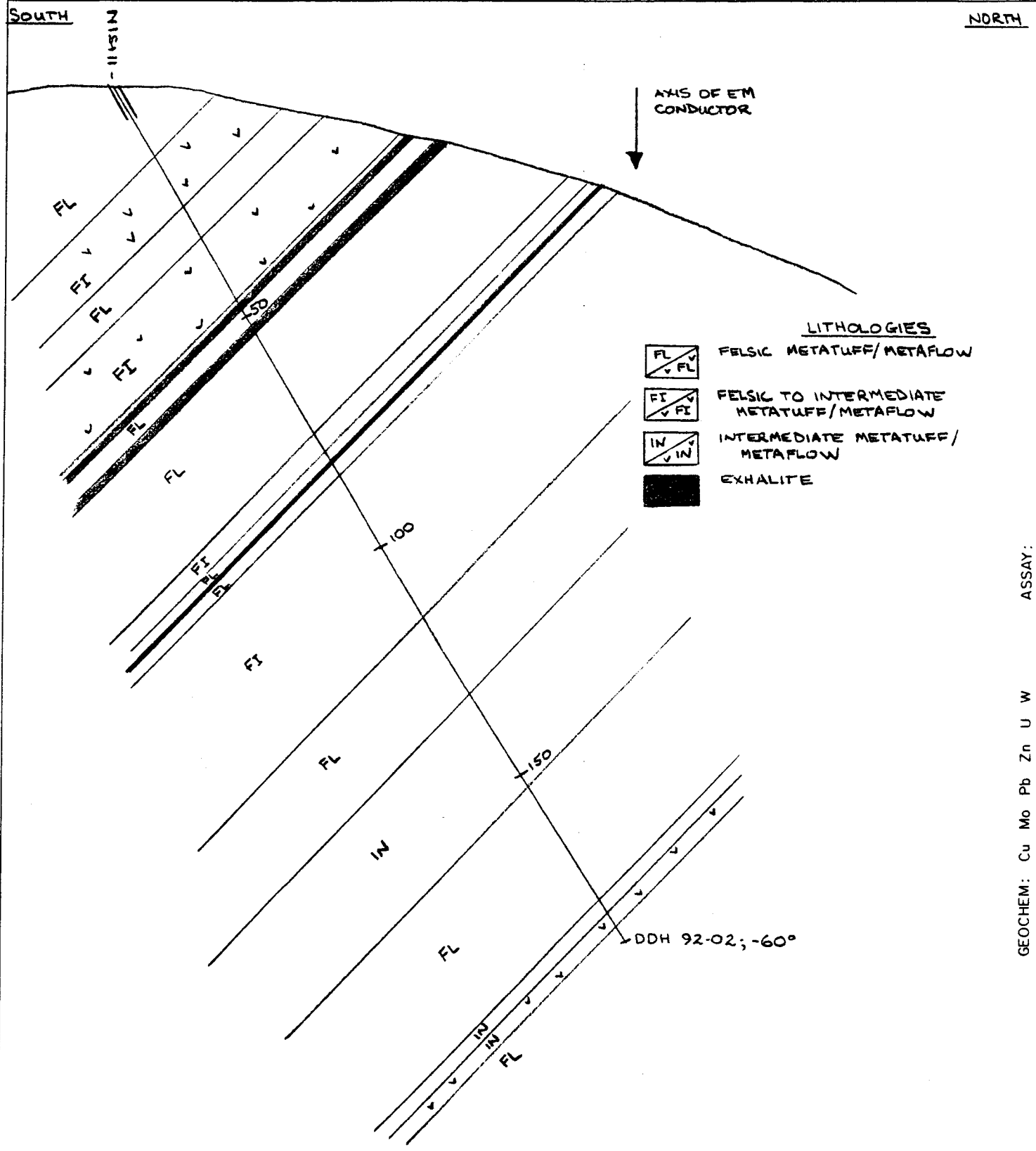
SPECIMEN SITE A,B,...; DO NOT WRITE ON OTHER SIDE OR USE COLOURS

DON'T FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED —— INFERRED - - - ASSUMED.....

INTRUSIVE DOLOMITE GOSSAN, MINERALS

VANCAL 10370

Project MATSON	NTS	Scale 1:1000	Page of	Traverse FIG. 13
Sampler	Location, Target (words) DDH 92-02 SECTION		Sample Nos	
Date	photo no.		Cert. Nos	



GEOCHEM: Cu Mo Pb Zn U W ASSAY:

ATTITUDES (100/40 N)

SANDSTONE SILTSTONE CONGLOMERATE VOLCANIC SPECIMEN SITE A,B,...; DO NOT WRITE ON OTHER SIDE OR USE COLOURS

CHERT SHALE WATER O PAN △ ROCK ● SOIL ● SILT X

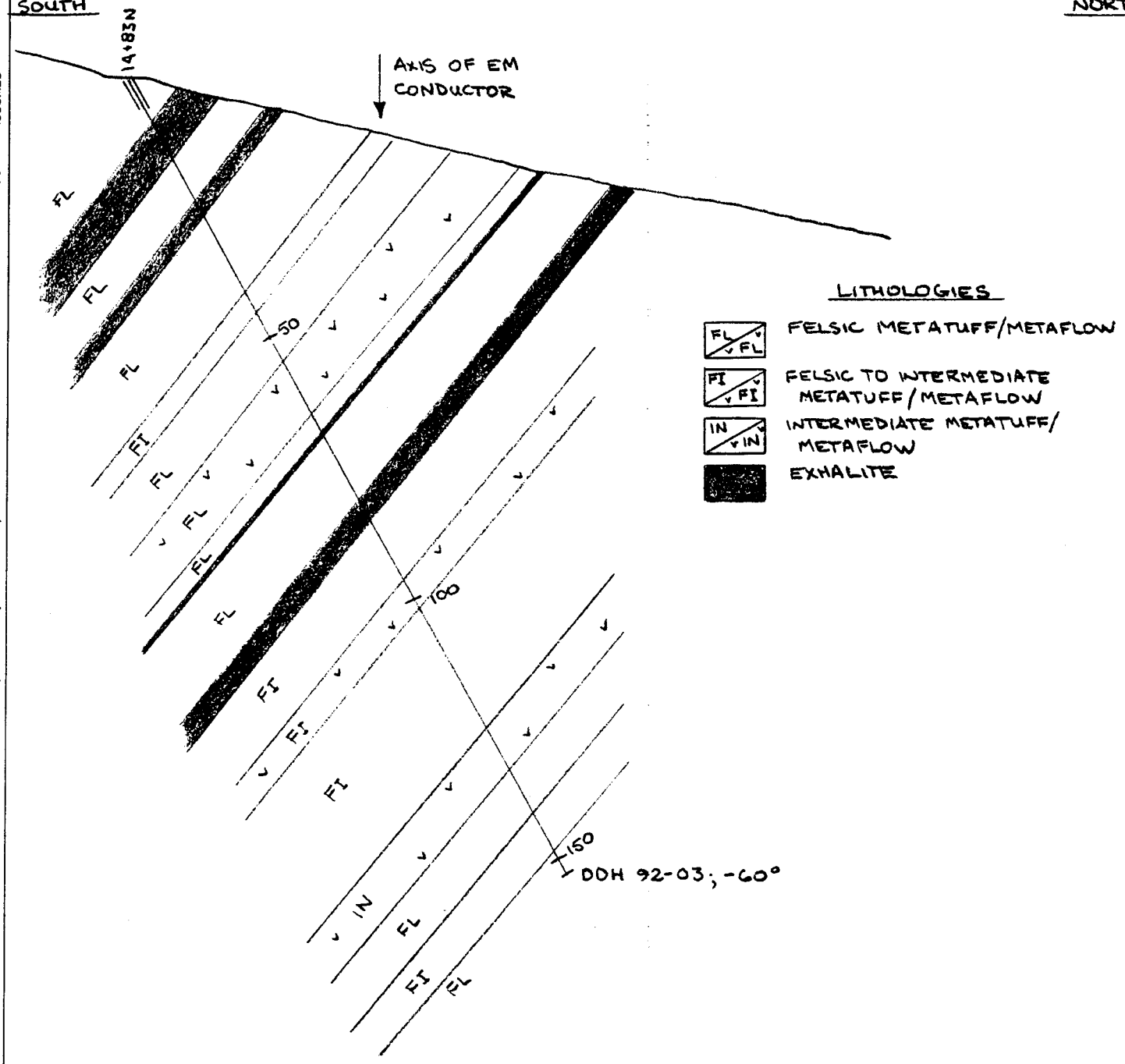
DOLOMITE INTRUSIVE GOSSAN, MINERALS

DON'T FORGET CO, RS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED —— INFERRED - - - ASSUMED.....

VANCAL 10370

Project MATSON	NTS	Scale 1:1000	Page of	Traverse FIG. 14
Sampler	Location, Target (words) DDH 92-03 SECTION		Sample Nos	
Date	photo no.		Cert. Nos	

SOUTH NORTH



LITHOLOGIES

- FL/FL — FELSIC METATUFF/METAFLOW
- FI/FI — FELSIC TO INTERMEDIATE METATUFF/METAFLOW
- IN/IN — INTERMEDIATE METATUFF/METAFLOW
- EXHALITE

GEOCHEM: Cu Mo Pb Zn U W ASSAY:

ATTITUDES (100/40 N)

SANDSTONE SILTSTONE CONGLOMERATE VOLCANIC CHERT SHALE DOLOMITE INTRUSIVE GOSSAN, MINERALS

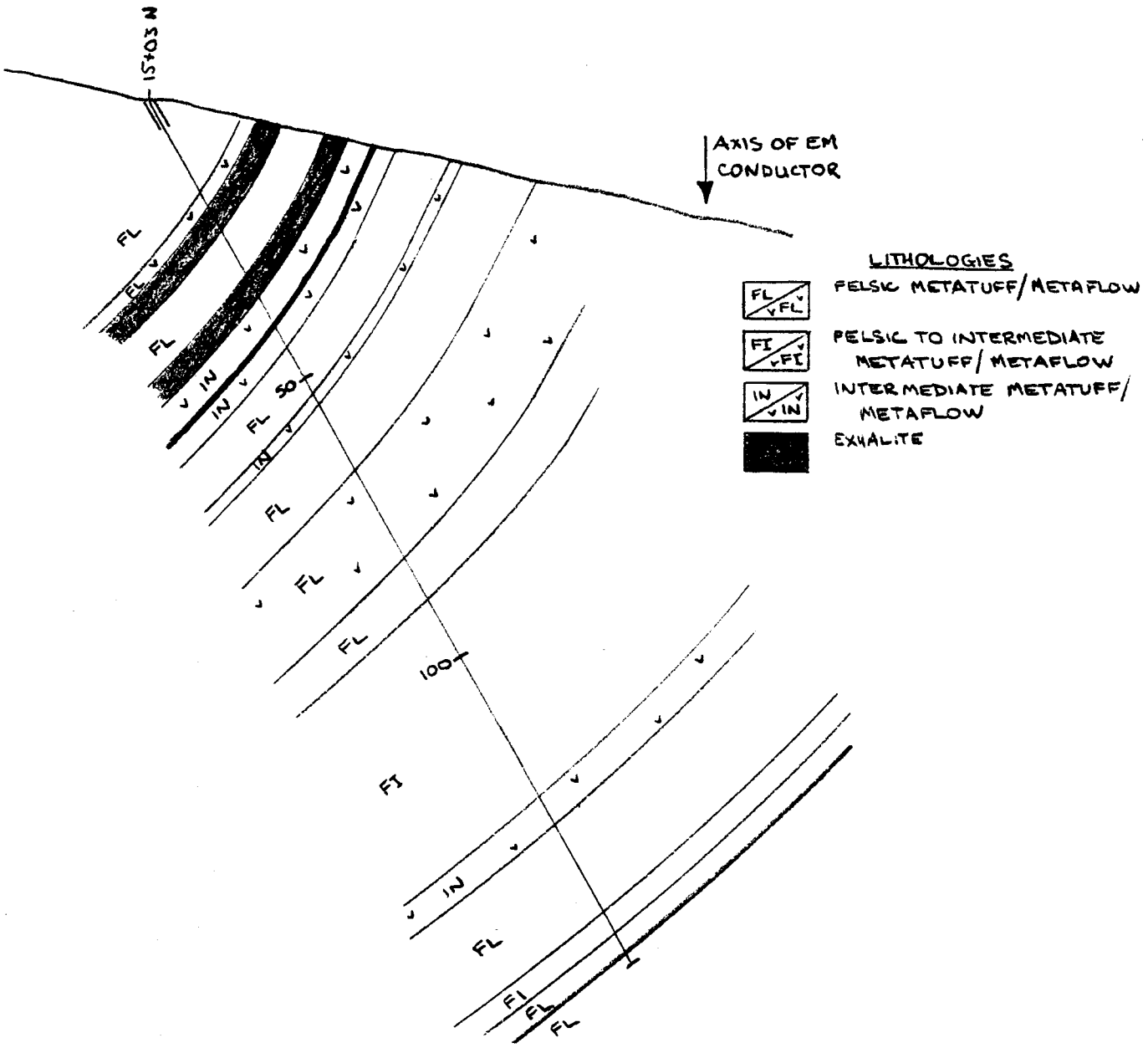
SPECIMEN SITE A,B,...; DO NOT WRITE ON OTHER SIDE OR USE COLOURS

SILT X SOIL ● ROCK ■ PAN △ WATER O

DON'T FORGET CC JRS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED —— INFERRED - - - ASSUMED.....

Project MATSON	NTS	Scale 1:1000	Page of	Traverse FIG. 15
Sampler	Location, Target (words) DDH 92-04 SECTION		Sample Nos	
Date	photo no.		Cert. Nos	

SOUTH NORTH



GEOCHEM: Cu Mo Pb Zn U W ASSAY:

ATTITUDES (< 100/40 N)

SANDSTONE SILTSTONE CONGLOMERATE VOLCANIC CHERT SHALE DOLOMITE INTRUSIVE GOSSAN, MINERALS

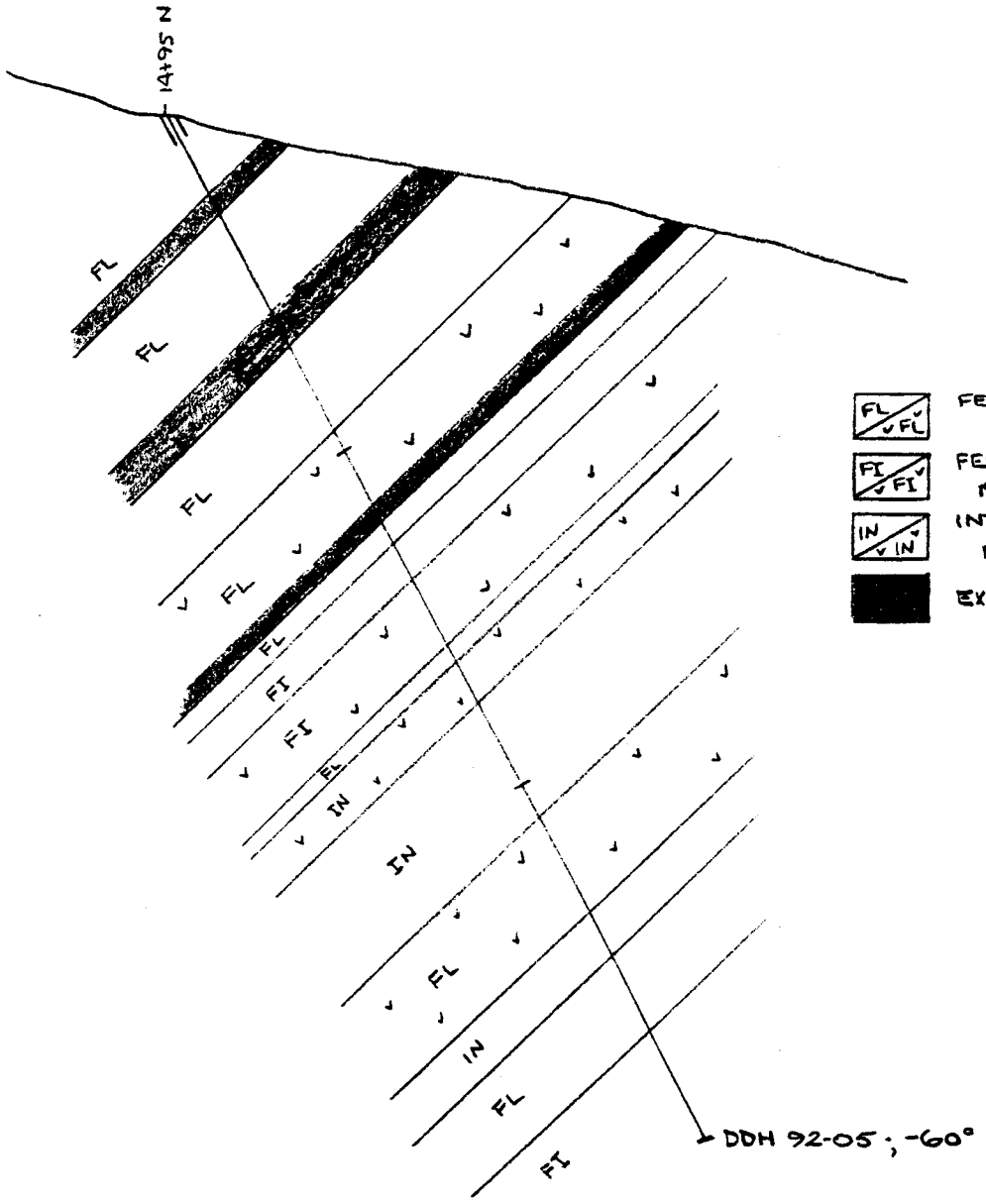
SPECIMEN SITE A,B,...; DO NOT WRITE ON OTHER SIDE OR USE COLOURS

DON'T FORGET CO. ..RS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, ..AILS, GOSSANS, OBSERVED GEOLOGY: DEFINED —— INFERRED - - - ASSUMED.....

SILT X SOIL ● ROCK ■ PAN △ WATER O

Project MATSON	NTS	Scale 1:1000	Page of	Traverse FIG. 16
Sampler	Location, Target (words)		Sample Nos	
Date	DDH 92-05 SECTION photo no.		Cert. Nos	

SOUTH NORTH



LITHOLOGIES

- FL/FL — FELSIC METATUFF/METAFLOW
- FI/FI — FELSIC TO INTERMEDIATE METATUFF/METAFLOW
- IN/IN — INTERMEDIATE METATUFF/METAFLOW
- EXHALITE

GEOCHEM: Cu Mo Pb Zn U W ASSAY:

DON'T FORGET CON... ...S, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, ...AILS, GOSSANS, OBSERVED GEOLOGY: DEFINED —— INFERRED - - - ASSUMED.....

SPECIMEN SITE A,B,...; DO NOT WRITE ON OTHER SIDE OR USE COLOURS

ATTITUDES (100/40 N)

INTRUSIVE | DOLOMITE | SHALE | CHERT | VOLCANIC | CONGLOMERATE | SANDSTONE SILTSTONE | GOSSAN, MINERALS

SILT X SOIL ● ROCK ■ PAN △ WATER O

VANCAL 10370

thick siliceous zone that carries 0.49% Zn, 0.30% Pb and 0.03% Cu with 1.4 g/t Ag was intersected at 80.0 m depth in Hole 92-03 while a similar 4.1 m wide interval intersected at 19.4 m in Hole 92-04 returned values of 0.08% Zn, 1.10% Pb, 0.09% Cu and 2.7 g/t Ag. The latter interval is oxidized and leached so that zinc and copper grades could have originally been much higher.

Although no potentially economic mineralization was intersected by the drilling, the best grades and widths are present at the west end of the explored area and they coincide with the strongest geochemical and geophysical response. The mineralization is interpreted as distal volcanogenic-exhalative in nature. Accordingly, the area of exploration should be extended farther to the west to evaluate the untested potential of overburden-covered areas along strike for proximal facies massive sulphide deposits.

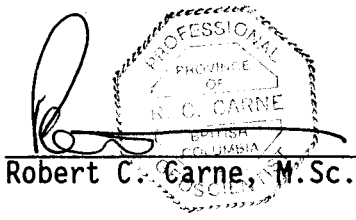
APPENDIX I

AUTHOR'S STATEMENT OF QUALIFICATIONS

CERTIFICATE

I, Robert C. Carne, geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in Burnaby, British Columbia, hereby certify that:

1. I graduated from the University of British Columbia in 1974 with a B.Sc. and in 1979 with an M.Sc. majoring in Geological Sciences.
2. I am a Professional Geoscientist registered with the Association of Professional Engineers and Geoscientists of the Province of British Columbia (registration number 19868).
3. From 1974 to present, I have been actively engaged as a geologist in mineral exploration in British Columbia and Yukon Territory and on June 1, 1981 became a partner of Archer, Cathro & Associates (1981) Limited.
4. I have personally participated in or supervised the field work reported herein and have interpreted all data resulting from this work.



Robert C. Carne, M.Sc., P.Geo.

APPENDIX II

LIST OF PERSONNEL

LIST OF 1992 PERSONNEL

R. Carne	June 24-July 1, July 16-19, July 27-August 2, August 6-10
K. Owerko	June 25-August 6, August 10-18
N. Tempelman-Kluit	June 24-August 14
M. Baknes	June 25-July 1, August 12-18
S. Ironside	June 25-August 18

APPENDIX III

ANALYTICAL CERTIFICATES

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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Invoice No. : I9218758
P.O. Number :
Account : F

CERTIFICATE OF ANALYSIS A9218758

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
T17010	201	229	< 0.2	0.85	12	650	< 0.5	< 2	3.44	< 0.5	15	12	24	4.16	< 10	< 1	0.18	10	0.32	890	< 1
T17013	201	229	< 0.2	0.92	22	410	< 0.5	< 2	0.10	< 0.5	10	9	35	4.71	< 10	1	0.11	30	0.08	325	1
T17014	201	229	< 0.2	0.94	50	270	< 0.5	< 2	0.32	< 0.5	29	112	27	7.86	< 10	< 1	0.06	10	0.22	1130	< 1
T17015	201	229	< 0.2	1.59	4	210	< 0.5	< 2	0.64	< 0.5	8	26	21	2.27	< 10	< 1	0.06	10	0.56	220	< 1
T17328	201	229	< 0.2	1.56	10	300	< 0.5	< 2	0.76	< 0.5	8	26	22	2.28	< 10	< 1	0.06	10	0.58	285	< 1
T17329	201	229	< 0.2	1.62	14	310	< 0.5	< 2	0.76	< 0.5	9	27	22	2.33	< 10	< 1	0.07	10	0.60	305	< 1
T17330	201	229	< 0.2	1.72	4	350	< 0.5	4	0.78	< 0.5	11	29	25	2.48	< 10	< 1	0.07	10	0.60	345	< 1
T17331	201	229	< 0.2	0.89	24	200	< 0.5	< 2	0.38	< 0.5	9	17	18	2.25	< 10	< 1	0.08	20	0.36	550	3
T17332	201	229	< 0.2	1.76	< 2	390	< 0.5	< 2	0.89	< 0.5	10	30	30	2.58	< 10	< 1	0.07	10	0.65	355	< 1
T17333	201	229	< 0.2	1.68	4	330	< 0.5	< 2	0.67	< 0.5	11	29	21	2.41	< 10	< 1	0.07	10	0.58	435	< 1
T17334	201	229	0.2	1.35	< 2	200	< 0.5	< 2	0.65	< 0.5	9	43	16	2.17	< 10	< 1	0.09	20	0.69	410	1
T17335	201	229	< 0.2	1.82	12	350	< 0.5	< 2	0.87	< 0.5	12	38	27	2.76	< 10	3	0.09	10	0.72	775	< 1
T17336	201	229	0.2	1.94	< 2	300	< 0.5	< 2	0.94	< 0.5	13	51	34	2.83	< 10	< 1	0.13	20	1.06	625	1
T17337	201	229	0.2	1.98	18	360	< 0.5	< 2	0.97	< 0.5	12	46	38	2.89	10	1	0.12	10	0.92	580	< 1
T17338	201	229	< 0.2	1.32	14	280	< 0.5	< 2	0.43	< 0.5	9	20	14	2.13	< 10	2	0.10	30	0.38	505	1
T17339	201	229	0.2	1.83	10	280	< 0.5	< 2	0.55	< 0.5	10	31	22	2.72	< 10	< 1	0.06	10	0.61	515	< 1
T17340	201	229	< 0.2	1.05	10	170	< 0.5	2	0.42	< 0.5	7	23	10	1.68	< 10	< 1	0.06	30	0.44	220	< 1
T17341	201	229	< 0.2	1.79	4	370	< 0.5	2	0.77	< 0.5	12	50	25	2.70	< 10	< 1	0.11	10	0.96	575	< 1
T17342	201	229	0.2	1.86	20	480	< 0.5	< 2	0.90	< 0.5	17	40	39	3.53	< 10	< 1	0.16	20	0.95	1880	< 1
T17343	201	229	0.4	1.93	6	460	< 0.5	< 2	1.04	< 0.5	16	42	38	3.29	< 10	< 1	0.10	20	0.84	1900	1
T17344	201	229	< 0.2	1.93	< 2	290	< 0.5	< 2	0.58	< 0.5	10	32	28	2.99	10	< 1	0.12	10	0.83	405	1
T17345	201	229	0.2	1.75	8	320	< 0.5	4	0.70	< 0.5	10	35	78	2.80	< 10	1	0.10	20	0.75	725	< 1
T17401	201	229	< 0.2	1.67	10	220	< 0.5	< 2	0.64	< 0.5	8	25	25	2.41	< 10	< 1	0.07	10	0.59	315	< 1
T17402	201	229	0.2	1.75	< 2	350	< 0.5	< 2	0.80	< 0.5	12	29	30	2.67	10	< 1	0.10	20	0.62	505	< 1
T17404	201	229	< 0.2	1.91	6	260	< 0.5	< 2	0.70	< 0.5	11	29	29	2.65	10	1	0.10	10	0.66	380	1
T17405	201	229	< 0.2	1.87	22	220	< 0.5	< 2	0.71	< 0.5	9	29	21	2.58	< 10	2	0.08	10	0.59	330	< 1
T17406	201	229	< 0.2	1.52	4	180	< 0.5	6	0.64	< 0.5	8	24	19	2.12	< 10	< 1	0.07	10	0.54	255	< 1
T17407	201	229	< 0.2	1.51	< 2	190	< 0.5	< 2	0.61	< 0.5	8	23	22	2.23	< 10	< 1	0.06	10	0.52	310	< 1
T17408	201	229	< 0.2	1.46	6	180	< 0.5	< 2	0.56	< 0.5	7	23	20	2.19	< 10	< 1	0.05	10	0.53	255	< 1
T17409	201	229	< 0.2	1.47	< 2	190	< 0.5	< 2	0.55	< 0.5	6	23	21	2.23	< 10	< 1	0.05	10	0.54	260	< 1
T17410	201	229	< 0.2	1.30	6	160	< 0.5	< 2	0.45	< 0.5	9	20	23	2.15	< 10	< 1	0.05	20	0.51	275	< 1
T17411	201	229	< 0.2	1.16	6	160	< 0.5	< 2	0.47	< 0.5	10	19	18	2.01	< 10	< 1	0.04	10	0.48	270	< 1
T17412	201	229	< 0.2	1.48	8	200	< 0.5	< 2	0.37	< 0.5	7	21	17	1.97	< 10	< 1	0.04	10	0.47	185	< 1
T17413	201	229	< 0.2	1.60	< 2	210	< 0.5	< 2	0.64	< 0.5	9	25	22	2.37	< 10	< 1	0.07	10	0.59	290	< 1
T17414	201	229	< 0.2	1.54	2	220	< 0.5	4	0.63	< 0.5	8	24	23	2.33	< 10	< 1	0.07	10	0.57	300	< 1
T17415	201	229	< 0.2	1.60	2	200	< 0.5	< 2	0.65	< 0.5	9	24	21	2.33	< 10	< 1	0.07	10	0.57	305	< 1
T17416	201	229	0.2	1.57	< 2	330	< 0.5	< 2	0.66	< 0.5	10	26	22	2.29	< 10	< 1	0.08	20	0.52	235	1
T17417	201	229	< 0.2	1.36	< 2	280	< 0.5	< 2	0.56	< 0.5	7	20	18	1.96	< 10	1	0.07	20	0.45	210	< 1
T17418	201	229	< 0.2	1.61	16	360	< 0.5	< 2	0.68	< 0.5	8	26	23	2.64	< 10	3	0.06	20	0.50	425	1
T17419	201	229	0.2	1.63	< 2	370	< 0.5	< 2	0.66	< 0.5	9	26	22	2.60	< 10	< 1	0.08	20	0.50	260	1

CERTIFICATION: Yhai D Ma

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T17010	201	229	< 0.01	9	560	10	2	10	60	< 0.01	< 10	< 10	33	10	66
T17013	201	229	< 0.01	30	260	20	< 2	6	32	< 0.01	< 10	< 10	12	< 10	142
T17014	201	229	< 0.01	161	500	< 2	2	42	21	< 0.01	< 10	< 10	96	< 10	86
T17015	201	229	0.03	16	590	10	< 2	5	37	0.11	< 10	< 10	57	< 10	58
T17328	201	229	0.02	19	670	< 2	< 2	5	46	0.10	< 10	< 10	54	< 10	70
T17329	201	229	0.03	21	630	18	< 2	5	47	0.10	< 10	< 10	54	< 10	70
T17330	201	229	0.02	22	640	14	2	6	49	0.10	< 10	< 10	55	< 10	74
T17331	201	229	0.01	17	620	38	< 2	2	25	0.03	< 10	< 10	39	< 10	80
T17332	201	229	0.03	22	630	10	< 2	6	54	0.09	< 10	< 10	58	< 10	78
T17333	201	229	0.02	19	670	12	2	5	44	0.10	< 10	< 10	58	< 10	74
T17334	201	229	0.01	23	830	36	< 2	4	40	0.08	< 10	< 10	48	< 10	72
T17335	201	229	0.02	28	660	22	< 2	6	54	0.10	< 10	< 10	58	< 10	86
T17336	201	229	0.02	31	750	68	< 2	6	77	0.10	< 10	< 10	61	< 10	112
T17337	201	229	0.02	28	710	60	2	6	62	0.10	< 10	< 10	62	< 10	110
T17338	201	229	0.01	13	700	30	< 2	3	36	0.05	< 10	< 10	40	< 10	60
T17339	201	229	0.02	19	720	26	2	5	39	0.10	< 10	< 10	61	< 10	70
T17340	201	229	0.01	12	770	14	< 2	3	29	0.06	< 10	< 10	37	< 10	50
T17341	201	229	0.01	25	680	28	< 2	6	33	0.09	< 10	< 10	58	< 10	96
T17342	201	229	0.01	26	810	54	< 2	6	55	0.07	< 10	< 10	57	10	144
T17343	201	229	0.02	28	800	38	2	6	64	0.07	< 10	< 10	59	10	140
T17344	201	229	0.02	21	610	40	< 2	5	35	0.11	< 10	< 10	62	< 10	114
T17345	201	229	0.02	21	750	52	2	5	44	0.09	< 10	< 10	55	< 10	120
T17401	201	229	0.03	18	620	10	< 2	5	42	0.11	< 10	< 10	56	< 10	74
T17402	201	229	0.02	21	690	34	2	6	61	0.08	< 10	< 10	58	< 10	108
T17404	201	229	0.03	19	610	24	< 2	6	49	0.11	< 10	< 10	61	< 10	86
T17405	201	229	0.03	15	680	10	2	6	43	0.13	< 10	< 10	62	< 10	70
T17406	201	229	0.03	15	620	4	< 2	4	41	0.12	< 10	< 10	51	< 10	64
T17407	201	229	0.02	15	610	16	2	5	39	0.10	< 10	< 10	54	< 10	66
T17408	201	229	0.02	13	630	14	< 2	4	36	0.10	< 10	< 10	50	< 10	68
T17409	201	229	0.02	15	620	16	2	4	35	0.09	< 10	< 10	50	< 10	68
T17410	201	229	0.01	13	730	22	< 2	4	33	0.08	< 10	< 10	45	< 10	78
T17411	201	229	0.01	14	620	8	< 2	3	29	0.06	< 10	< 10	41	< 10	60
T17412	201	229	0.01	13	480	18	< 2	4	26	0.06	< 10	< 10	46	< 10	62
T17413	201	229	0.02	17	630	8	< 2	5	41	0.10	< 10	< 10	53	< 10	70
T17414	201	229	0.02	16	620	14	< 2	5	40	0.09	< 10	< 10	52	< 10	70
T17415	201	229	0.02	15	690	12	< 2	5	42	0.10	< 10	< 10	54	< 10	68
T17416	201	229	0.02	19	610	32	< 2	5	45	0.09	< 10	< 10	52	< 10	78
T17417	201	229	0.02	15	530	22	2	4	38	0.08	< 10	< 10	44	< 10	68
T17418	201	229	0.02	19	580	20	2	5	47	0.08	< 10	< 10	52	< 10	78
T17419	201	229	0.02	18	600	22	< 2	5	46	0.09	< 10	< 10	52	< 10	76

CERTIFICATION: John D'Mar

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CERTIFICATE OF ANALYSIS A9218758

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T17420	201	229	0.2	1.29	18	340	< 0.5	< 2	0.59	< 0.5	7	21	17	2.25	< 10	< 1	0.06	10	0.45	265	< 1
T17421	201	229	< 0.2	1.24	16	430	< 0.5	< 2	0.69	< 0.5	10	22	26	2.25	< 10	< 1	0.06	10	0.46	285	1
T17422	201	229	< 0.2	1.41	10	540	< 0.5	< 2	0.87	< 0.5	10	28	27	2.68	< 10	< 1	0.07	20	0.56	435	< 1
T17423	201	229	< 0.2	1.56	16	440	< 0.5	< 2	0.83	< 0.5	12	33	32	3.08	10	< 1	0.11	20	0.88	490	< 1
T17425	201	229	0.2	1.96	< 2	90	< 0.5	< 2	0.68	< 0.5	14	80	27	3.14	10	< 1	0.21	30	1.84	660	2
T17426	201	229	0.2	2.07	< 2	140	< 0.5	< 2	0.75	0.5	16	74	35	3.09	10	< 1	0.30	50	1.69	1095	1
T17433	201	229	0.4	0.72	22	240	< 0.5	< 2	0.05	< 0.5	2	8	54	3.07	< 10	< 1	0.33	30	0.18	75	1
T17434	201	229	< 0.2	1.72	10	140	< 0.5	< 2	0.07	< 0.5	4	15	58	3.47	10	< 1	0.12	20	0.46	220	2
T17435	201	229	0.2	0.94	4	70	< 0.5	< 2	0.04	< 0.5	4	7	23	1.91	10	< 1	0.11	50	0.18	140	< 1
T17436	201	229	0.2	0.91	10	120	< 0.5	< 2	0.08	< 0.5	3	11	37	1.48	< 10	< 1	0.09	40	0.17	115	1
T17437	201	229	0.2	0.99	8	80	< 0.5	4	0.08	< 0.5	5	11	21	1.89	< 10	< 1	0.09	30	0.24	205	2
T17438	201	229	0.6	1.06	10	140	< 0.5	< 2	0.09	< 0.5	5	10	58	2.46	< 10	< 1	0.14	30	0.32	320	3
T17439	201	229	0.2	1.93	< 2	130	< 0.5	< 2	0.82	0.5	15	72	33	2.75	10	< 1	0.19	50	1.44	870	< 1

CERTIFICATION: Jhai D Ma

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T17420	201	229	0.02	15	610	4	2	4	45	0.07	< 10	< 10	42	< 10	68
T17421	201	229	0.01	21	530	8	< 2	4	52	0.05	< 10	< 10	44	< 10	74
T17422	201	229	0.02	18	580	16	< 2	5	64	0.05	< 10	< 10	47	< 10	72
T17423	201	229	0.02	22	630	16	2	6	65	0.05	< 10	< 10	59	< 10	94
T17425	201	229	< 0.01	43	1040	112	< 2	4	50	0.09	< 10	< 10	35	< 10	252
T17426	201	229	0.01	41	910	140	< 2	5	57	0.10	< 10	< 10	37	< 10	312
T17433	201	229	0.04	2	470	274	< 2	1	42	0.02	< 10	< 10	20	< 10	48
T17434	201	229	0.01	5	380	84	< 2	3	35	0.06	< 10	< 10	57	< 10	110
T17435	201	229	< 0.01	4	220	62	< 2	1	18	0.02	< 10	< 10	20	< 10	80
T17436	201	229	0.01	3	380	118	< 2	1	21	0.04	< 10	< 10	25	< 10	46
T17437	201	229	< 0.01	6	250	84	< 2	2	17	0.04	< 10	< 10	26	< 10	84
T17438	201	229	0.02	4	360	80	< 2	2	23	0.03	< 10	< 10	23	< 10	154
T17439	201	229	0.01	33	1120	88	< 2	5	62	0.09	< 10	< 10	36	< 10	236

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Invoice No. :I9219011
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I-17

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
R 14974	241	229	< 0.2	1.98	10	140	< 0.5	< 2	0.21	< 0.5	4	15	12	2.39	< 10	< 1	0.07	< 10	0.81	165	< 1
R 14975	241	229	0.4	3.75	4	510	< 0.5	< 2	1.05	< 0.5	23	413	157	3.86	10	5	< 0.01	10	3.66	1685	< 1
R 14976	241	229	0.2	2.23	4	210	< 0.5	< 2	0.35	< 0.5	15	30	34	3.95	10	< 1	0.11	10	0.92	1180	1
R 14977	241	229	< 0.2	2.96	< 2	150	< 0.5	< 2	0.17	< 0.5	8	27	18	4.37	10	< 1	0.06	10	1.19	330	2
R 14978	241	229	< 0.2	2.15	< 2	130	< 0.5	< 2	0.18	< 0.5	5	24	21	3.57	10	< 1	0.06	< 10	0.54	270	< 1
R 14979	241	229	< 0.2	2.07	< 2	170	< 0.5	< 2	0.19	< 0.5	6	19	12	2.11	< 10	< 1	0.09	10	0.96	240	1
R 15000	--	--	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
R 15001	241	229	0.2	1.23	2	280	< 0.5	< 2	0.08	< 0.5	< 1	7	17	2.04	10	2	0.13	40	0.11	40	2
R 15002	241	229	4.6	1.67	52	270	< 0.5	< 2	0.13	< 0.5	2	17	22	2.96	10	2	0.14	30	0.21	90	2
R 15003	241	229	1.0	1.34	42	240	< 0.5	< 2	0.10	< 0.5	2	20	24	2.65	< 10	< 1	0.11	30	0.19	70	5
R 15004	241	229	< 0.2	1.56	< 2	130	< 0.5	2	0.15	< 0.5	3	26	17	2.05	< 10	< 1	0.12	10	0.49	120	< 1
R 15005	241	229	< 0.2	1.27	4	130	< 0.5	< 2	0.14	< 0.5	4	17	20	1.78	< 10	< 1	0.05	< 10	0.34	115	< 1
R 15006	241	229	< 0.2	3.40	< 2	170	< 0.5	< 2	0.19	< 0.5	23	28	133	5.63	10	< 1	0.03	< 10	2.82	845	< 1
R 15007	241	229	< 0.2	2.24	4	190	< 0.5	< 2	2.14	< 0.5	12	257	108	2.43	10	< 1	0.01	10	2.10	540	< 1
R 15008	241	229	< 0.2	2.71	< 2	180	< 0.5	4	0.42	< 0.5	15	25	57	4.01	10	< 1	0.07	10	1.86	645	< 1
R 15009	241	229	< 0.2	2.62	2	150	< 0.5	< 2	0.25	< 0.5	8	25	15	3.56	10	< 1	0.05	10	1.04	260	1
R 15010	241	229	< 0.2	3.26	< 2	160	< 0.5	< 2	0.15	< 0.5	12	31	22	4.18	< 10	< 1	0.05	< 10	1.48	365	< 1
R 15011	241	229	< 0.2	0.96	2	110	< 0.5	< 2	0.09	< 0.5	1	12	13	2.12	< 10	< 1	0.08	20	0.11	70	1
R 15012	241	229	0.4	0.89	10	130	< 0.5	< 2	0.07	< 0.5	< 1	9	20	1.75	< 10	< 1	0.10	20	0.14	50	1
R 15013	241	229	4.2	1.68	40	250	< 0.5	< 2	0.14	< 0.5	3	17	35	3.21	< 10	< 1	0.11	20	0.22	105	3
R 15014	241	229	0.8	1.93	36	190	< 0.5	< 2	0.12	< 0.5	2	75	33	3.07	< 10	1	0.05	10	0.81	120	5
R 15015	241	229	< 0.2	1.34	6	110	< 0.5	< 2	0.30	< 0.5	8	28	32	2.53	< 10	< 1	0.08	< 10	0.86	295	< 1
R 15016	241	229	< 0.2	2.84	6	390	< 0.5	< 2	0.88	< 0.5	19	30	173	3.98	10	< 1	0.03	< 10	1.95	635	< 1
R 15017	241	229	< 0.2	2.13	2	140	< 0.5	< 2	0.60	< 0.5	12	197	32	2.52	< 10	< 1	0.02	< 10	1.82	425	< 1
R 15018	241	229	< 0.2	2.51	< 2	100	< 0.5	2	0.17	< 0.5	11	26	37	3.92	10	< 1	0.06	< 10	1.66	420	1
R 15019	241	229	< 0.2	3.45	10	110	< 0.5	< 2	0.26	< 0.5	8	21	16	4.48	10	2	0.05	< 10	2.25	455	2
R 15020	241	229	< 0.2	2.17	6	170	< 0.5	< 2	0.31	< 0.5	6	36	14	2.66	10	1	0.04	10	0.93	350	1
R 15021	241	229	0.2	1.60	4	250	< 0.5	< 2	0.13	< 0.5	3	19	26	3.22	10	< 1	0.12	20	0.25	120	1
R 15022	241	229	0.6	1.24	18	180	< 0.5	< 2	0.12	< 0.5	< 1	11	24	2.11	< 10	2	0.09	20	0.17	70	< 1
R 15023	241	229	2.4	1.66	24	350	< 0.5	2	0.18	< 0.5	2	14	44	2.36	< 10	< 1	0.12	20	0.19	65	1
R 15024	241	229	0.8	1.10	32	180	< 0.5	< 2	0.09	< 0.5	1	15	17	1.97	< 10	< 1	0.09	20	0.20	50	2
R 15025	241	229	0.4	1.28	12	140	< 0.5	< 2	0.27	< 0.5	8	20	35	2.23	< 10	< 1	0.11	10	0.57	285	1
R 15026	241	229	< 0.2	1.94	< 2	110	< 0.5	< 2	0.51	< 0.5	12	97	52	2.75	< 10	2	0.02	< 10	1.87	570	1
R 15027	241	229	< 0.2	2.72	< 2	140	< 0.5	< 2	0.59	< 0.5	19	407	94	3.10	< 10	< 1	0.13	< 10	3.02	540	< 1
R 15028	241	229	< 0.2	2.01	< 2	170	< 0.5	< 2	0.38	< 0.5	8	39	32	2.95	10	< 1	0.11	10	1.46	465	< 1
R 15029	241	229	< 0.2	3.82	< 2	130	< 0.5	2	0.28	< 0.5	11	22	21	5.19	10	< 1	0.05	10	2.77	570	1
R 15030	241	229	< 0.2	2.11	12	140	< 0.5	2	0.37	< 0.5	5	23	15	2.65	10	< 1	0.05	< 10	1.04	260	1
R 15031	241	229	< 0.2	1.74	8	100	< 0.5	2	0.08	< 0.5	1	14	50	2.17	< 10	< 1	0.07	20	0.31	110	< 1
R 15032	241	229	0.2	1.86	< 2	480	< 0.5	< 2	0.14	< 0.5	18	19	43	2.41	< 10	< 1	0.05	10	0.23	2860	< 1
R 15033	241	229	< 0.2	1.63	10	210	< 0.5	2	0.13	< 0.5	3	19	31	2.46	< 10	< 1	0.05	10	0.27	110	< 1

CERTIFICATION: Ythai D Ma

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : MATSON
Comments:

Page : 1-B
Total Pages : 4
Certificate Date: 10-AUG-92
Invoice No. : 19219011
P.O. Number :
Account : F

CERTIFICATE OF ANALYSIS A9219011

I-16

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
R 14974	241	229	0.01	10	110	< 2	< 2	6	15	0.05	< 10	< 10	54	< 10	54
R 14975	241	229	0.01	158	850	10	< 2	18	30	0.07	< 10	< 10	106	20	126
R 14976	241	229	0.02	12	490	4	< 2	11	21	0.14	< 10	< 10	134	< 10	76
R 14977	241	229	0.01	14	420	< 2	< 2	7	17	0.09	< 10	< 10	79	10	50
R 14978	241	229	0.01	10	500	< 2	< 2	4	16	0.09	< 10	< 10	84	< 10	48
R 14979	241	229	0.01	10	130	< 2	< 2	4	16	0.08	< 10	< 10	43	< 10	50
R 15000	--	--	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.
I-19															
R 15001	241	229	0.01	2	240	14	< 2	1	23	0.03	< 10	< 10	31	< 10	52
R 15002	241	229	0.01	9	300	104	< 2	3	20	0.06	< 10	< 10	44	< 10	42
R 15003	241	229	0.01	12	350	18	< 2	2	20	0.03	< 10	< 10	31	< 10	60
R 15004	241	229	< 0.01	19	140	16	< 2	3	15	0.05	< 10	< 10	40	< 10	74
R 15005	241	229	0.02	10	110	4	< 2	3	13	0.06	< 10	< 10	42	< 10	44
R 15006	241	229	< 0.01	20	250	8	< 2	23	8	0.05	< 10	< 10	146	20	130
R 15007	241	229	0.02	84	630	< 2	< 2	9	43	0.05	< 10	< 10	70	10	54
R 15008	241	229	0.01	18	570	16	< 2	11	24	0.12	< 10	< 10	102	10	116
R 15009	241	229	0.01	12	370	2	4	5	21	0.09	< 10	< 10	87	10	50
R 15010	241	229	0.01	18	230	< 2	< 2	7	11	0.07	< 10	< 10	79	10	66
R 15011	241	229	< 0.01	5	130	24	< 2	1	12	0.09	< 10	< 10	54	< 10	40
R 15012	241	229	< 0.01	4	140	160	< 2	1	20	0.04	< 10	< 10	33	< 10	34
R 15013	241	229	0.01	9	330	64	< 2	3	21	0.06	< 10	< 10	42	< 10	72
R 15014	241	229	< 0.01	33	460	6	< 2	5	17	0.04	< 10	< 10	49	10	142
R 15015	241	229	< 0.01	23	430	< 2	< 2	7	15	0.02	< 10	< 10	48	10	104
R 15016	241	229	0.01	20	380	14	< 2	20	20	0.07	< 10	< 10	112	20	96
R 15017	241	229	0.02	62	190	6	< 2	6	18	0.09	< 10	< 10	70	10	52
R 15018	241	229	< 0.01	14	410	< 2	< 2	10	11	0.13	< 10	< 10	119	10	60
R 15019	241	229	0.01	12	470	< 2	< 2	7	17	0.08	< 10	< 10	94	20	64
R 15020	241	229	0.01	18	230	< 2	< 2	5	21	0.11	< 10	< 10	59	10	46
R 15021	241	229	0.01	9	200	140	4	2	27	0.09	< 10	< 10	63	10	76
R 15022	241	229	0.01	5	160	132	2	1	17	0.05	< 10	< 10	39	< 10	56
R 15023	241	229	0.01	10	310	74	< 2	2	28	0.03	< 10	< 10	32	< 10	68
R 15024	241	229	< 0.01	7	260	16	< 2	2	13	0.02	< 10	< 10	27	< 10	58
R 15025	241	229	< 0.01	17	340	< 2	< 2	5	20	0.04	< 10	< 10	41	< 10	120
R 15026	241	229	< 0.01	42	750	6	< 2	11	14	0.05	< 10	< 10	76	10	124
R 15027	241	229	< 0.01	107	620	< 2	< 2	7	14	0.13	< 10	< 10	107	20	46
R 15028	241	229	< 0.01	18	600	4	< 2	8	15	0.09	< 10	< 10	70	10	94
R 15029	241	229	0.01	10	560	< 2	2	8	24	0.05	< 10	< 10	89	20	90
R 15030	241	229	0.01	12	280	< 2	< 2	5	22	0.08	< 10	< 10	57	10	46
R 15031	241	229	< 0.01	8	150	60	< 2	2	27	0.05	< 10	< 10	34	< 10	138
R 15032	241	229	0.02	14	320	38	< 2	4	18	0.07	< 10	< 10	49	10	212
R 15033	241	229	< 0.01	9	150	188	< 2	2	18	0.07	< 10	< 10	45	< 10	72

CERTIFICATION: Jhai D Ma

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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To: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : MATSON
Comments:

Certificate Date: 10-AUG-92
Invoice No. : I9219011
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Account : F

CERTIFICATE OF ANALYSIS A9219011

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
R 15034	241	229	0.8	1.75	10	190	< 0.5	< 2	0.10	< 0.5	3	15	26	2.43	< 10	< 1	0.11	30	0.22	85	1
R 15035	241	229	3.2	2.34	34	260	< 0.5	< 2	0.17	< 0.5	4	21	34	2.93	< 10	< 1	0.14	30	0.25	110	2
R 15036	241	229	1.0	1.94	28	240	< 0.5	< 2	0.19	< 0.5	12	44	40	3.09	< 10	< 1	0.19	20	0.71	315	3
R 15037	241	229	0.6	2.01	8	240	< 0.5	< 2	1.17	0.5	10	87	70	2.43	< 10	< 1	0.04	10	1.57	350	< 1
R 15038	241	229	< 0.2	2.95	< 2	200	< 0.5	< 2	1.07	< 0.5	18	379	66	3.29	< 10	< 1	0.04	10	2.86	500	< 1
R 15039	241	229	< 0.2	3.51	< 2	150	< 0.5	< 2	0.26	< 0.5	17	74	65	4.82	< 10	< 1	0.02	10	3.05	675	< 1
R 15040	241	229	< 0.2	2.85	6	190	< 0.5	< 2	0.68	< 0.5	14	157	31	3.65	< 10	< 1	0.02	10	2.02	520	< 1
R 15041	241	229	0.2	1.50	14	140	< 0.5	2	0.15	0.5	6	15	30	2.03	< 10	< 1	0.10	30	0.34	325	1
R 15042	241	229	0.2	1.04	12	130	< 0.5	< 2	0.07	< 0.5	3	10	45	2.04	< 10	< 1	0.09	20	0.15	135	1
R 15043	241	229	0.2	1.18	< 2	120	< 0.5	< 2	0.06	< 0.5	1	11	17	1.10	< 10	< 1	0.08	< 10	0.11	55	< 1
R 15044	241	229	0.4	1.36	8	220	< 0.5	< 2	0.16	< 0.5	3	15	34	1.96	< 10	< 1	0.07	20	0.22	120	1
R 15045	241	229	2.0	1.81	24	500	< 0.5	< 2	0.26	< 0.5	4	16	35	2.59	< 10	< 1	0.10	30	0.21	100	2
R 15046	241	229	3.0	2.43	26	500	< 0.5	< 2	0.30	< 0.5	6	23	44	3.16	< 10	< 1	0.14	20	0.32	185	2
R 15047	241	229	0.6	1.44	20	200	< 0.5	2	0.24	< 0.5	6	28	25	2.25	< 10	< 1	0.12	30	0.47	165	2
R 15048	241	229	0.2	2.35	8	180	< 0.5	< 2	1.22	< 0.5	14	103	62	3.40	< 10	< 1	0.09	10	1.99	555	1
R 15049	241	229	< 0.2	2.65	8	140	< 0.5	< 2	0.39	< 0.5	11	48	29	3.34	< 10	< 1	0.03	10	1.90	460	< 1
R 15050	241	229	< 0.2	2.45	< 2	180	< 0.5	< 2	1.00	< 0.5	11	92	22	3.06	< 10	< 1	0.05	10	1.51	435	< 1
R 15051	241	229	0.2	0.83	20	240	< 0.5	< 2	0.06	< 0.5	2	7	18	2.26	< 10	< 1	0.22	20	0.10	85	2
R 15052	241	229	0.2	1.77	10	160	< 0.5	< 2	0.16	< 0.5	4	14	157	2.28	< 10	< 1	0.13	20	0.82	510	1
R 15053	241	229	0.2	1.97	2	270	< 0.5	< 2	0.52	2.0	7	20	75	2.68	< 10	< 1	0.13	20	0.37	325	< 1
R 15054	241	229	< 0.2	2.27	16	340	< 0.5	4	0.27	< 0.5	3	20	43	2.39	10	< 1	0.10	10	0.35	155	1
R 15055	241	229	0.2	1.77	10	270	< 0.5	< 2	0.32	< 0.5	2	24	30	2.26	10	< 1	0.08	20	0.41	120	1
R 15056	241	229	1.0	1.36	12	240	< 0.5	< 2	0.15	< 0.5	2	14	25	2.01	10	< 1	0.10	40	0.20	65	1
R 15057	241	229	1.6	1.65	12	230	< 0.5	< 2	0.18	< 0.5	4	18	27	2.29	10	< 1	0.10	20	0.27	160	< 1
R 15058	241	229	0.6	0.68	2	100	< 0.5	< 2	0.20	< 0.5	1	7	5	1.28	< 10	< 1	0.06	< 10	0.14	260	< 1
R 15059	241	229	< 0.2	1.96	< 2	110	< 0.5	< 2	0.45	< 0.5	8	54	29	2.49	< 10	< 1	0.03	10	1.55	385	< 1
R 15060	241	229	< 0.2	2.51	8	230	< 0.5	< 2	1.08	< 0.5	8	40	22	3.06	10	< 1	0.06	10	1.15	475	< 1
R 15061	241	229	0.2	0.86	12	370	< 0.5	< 2	0.08	< 0.5	1	9	34	2.02	< 10	2	0.19	30	0.12	115	< 1
R 15062	241	229	< 0.2	1.75	18	190	< 0.5	< 2	0.06	< 0.5	1	13	21	2.85	< 10	< 1	0.24	20	0.19	75	2
R 15063	241	229	0.4	2.42	< 2	230	< 0.5	< 2	0.16	< 0.5	2	15	110	2.42	10	< 1	0.27	20	1.16	345	< 1
R 15064	241	229	0.6	2.25	8	500	< 0.5	< 2	1.25	4.5	8	21	89	2.73	10	< 1	0.13	10	0.38	940	1
R 15065	241	229	0.4	2.29	18	340	< 0.5	< 2	1.13	2.0	9	23	61	2.61	< 10	< 1	0.14	10	0.38	475	< 1
R 15066	241	229	0.2	2.28	10	460	< 0.5	< 2	0.45	< 0.5	3	22	51	2.67	< 10	< 1	0.07	10	0.31	115	< 1
R 15067	241	229	0.8	1.97	16	470	< 0.5	< 2	0.47	< 0.5	3	19	41	2.71	< 10	< 1	0.08	20	0.27	95	1
R 15068	241	229	1.2	1.35	26	300	< 0.5	< 2	0.40	< 0.5	1	12	26	1.79	< 10	< 1	0.08	20	0.20	65	< 1
R 15069	241	229	2.6	2.96	22	680	< 0.5	< 2	0.54	< 0.5	14	20	103	3.51	10	< 1	0.16	20	0.30	670	1
R 15070	241	229	< 0.2	2.34	< 2	140	< 0.5	< 2	0.69	< 0.5	13	50	33	3.30	10	5	0.04	10	1.58	525	< 1
R 15071	241	229	< 0.2	3.46	< 2	310	< 0.5	< 2	0.32	< 0.5	10	120	48	3.47	10	< 1	0.06	10	2.19	520	< 1
R 15072	241	229	< 0.2	3.42	6	270	< 0.5	< 2	0.38	< 0.5	15	151	36	3.76	10	< 1	0.06	< 10	2.49	920	< 1
R 15073	241	229	0.2	3.20	< 2	190	< 0.5	< 2	1.31	< 0.5	13	192	82	3.27	10	< 1	0.03	20	3.01	735	< 1

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R 15034	241	229	< 0.01	7	230	136	< 2	2	15	0.06	10	< 10	37	10	72
R 15035	241	229	0.01	12	410	74	2	3	22	0.06	10	< 10	45	10	84
R 15036	241	229	< 0.01	27	390	20	2	5	20	0.05	< 10	< 10	58	10	134
R 15037	241	229	0.01	42	620	14	2	9	32	0.03	< 10	< 10	60	10	140
R 15038	241	229	0.01	115	390	8	2	11	32	0.11	< 10	< 10	96	< 10	82
R 15039	241	229	< 0.01	31	450	10	< 2	15	13	0.08	< 10	< 10	120	20	118
R 15040	241	229	0.01	51	680	4	< 2	8	25	0.10	< 10	< 10	87	< 10	58
R 15041	241	229	0.01	10	230	126	2	2	26	0.04	< 10	< 10	26	10	342
R 15042	241	229	0.01	5	330	384	< 2	1	26	0.04	< 10	< 10	23	10	102
R 15043	241	229	0.03	4	140	38	< 2	1	8	0.06	< 10	< 10	25	< 10	76
R 15044	241	229	< 0.01	9	230	158	< 2	2	18	0.07	< 10	< 10	34	< 10	86
R 15045	241	229	0.01	11	470	96	2	3	33	0.04	< 10	< 10	33	10	96
R 15046	241	229	0.01	16	500	68	2	4	34	0.05	< 10	< 10	46	10	116
R 15047	241	229	< 0.01	16	330	18	< 2	4	22	0.05	< 10	< 10	43	10	94
R 15048	241	229	0.01	43	480	12	< 2	12	33	0.09	< 10	< 10	96	10	134
R 15049	241	229	0.01	21	550	8	2	9	21	0.09	< 10	< 10	81	10	72
R 15050	241	229	0.01	33	660	8	< 2	8	34	0.10	< 10	< 10	71	10	60
R 15051	241	229	0.01	3	300	112	< 2	1	37	0.02	< 10	< 10	24	10	102
R 15052	241	229	0.01	7	230	742	< 2	2	26	0.06	< 10	< 10	31	10	352
R 15053	241	229	0.01	13	390	222	< 2	4	49	0.08	< 10	< 10	37	10	474
R 15054	241	229	0.01	10	350	88	< 2	3	34	0.08	< 10	< 10	42	10	266
R 15055	241	229	0.01	9	250	90	< 2	4	30	0.11	< 10	< 10	48	10	98
R 15056	241	229	0.01	7	320	114	< 2	2	19	0.05	< 10	< 10	30	< 10	68
R 15057	241	229	0.01	10	330	38	2	3	20	0.06	< 10	< 10	39	< 10	76
R 15058	241	229	0.03	5	190	6	< 2	1	18	0.05	< 10	< 10	31	< 10	76
R 15059	241	229	< 0.01	24	640	6	< 2	8	17	0.10	< 10	< 10	65	10	74
R 15060	241	229	0.01	19	560	2	< 2	7	42	0.10	< 10	< 10	64	20	60
R 15061	241	229	0.02	4	220	268	< 2	1	36	0.03	< 10	< 10	19	< 10	138
R 15062	241	229	0.01	7	210	176	< 2	2	24	0.06	< 10	< 10	34	10	88
R 15063	241	229	0.01	5	270	604	2	3	30	0.07	< 10	< 10	29	10	456
R 15064	241	229	0.01	19	660	372	< 2	4	104	0.05	< 10	10	35	10	620
R 15065	241	229	0.01	15	610	212	< 2	5	93	0.06	< 10	< 10	34	10	452
R 15066	241	229	0.01	14	490	92	< 2	4	48	0.07	< 10	< 10	38	10	232
R 15067	241	229	0.01	12	450	176	< 2	4	42	0.06	< 10	< 10	40	10	112
R 15068	241	229	0.01	5	270	70	2	2	37	0.04	< 10	< 10	26	< 10	108
R 15069	241	229	0.01	16	640	96	< 2	4	52	0.04	< 10	< 10	35	10	290
R 15070	241	229	0.01	24	540	12	< 2	8	29	0.07	< 10	< 10	72	10	80
R 15071	241	229	0.01	49	140	8	< 2	9	20	0.09	< 10	< 10	79	20	88
R 15072	241	229	0.01	57	120	16	< 2	10	23	0.11	< 10	< 10	101	20	90
R 15073	241	229	0.01	70	600	2	2	12	35	0.05	< 10	< 10	82	20	92

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CERTIFICATION: Jhai D'Mar

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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): ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : MATSON
Comments:

Certificate Date: 10-AUG-92
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CERTIFICATE OF ANALYSIS A9219011

I-17

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SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
R 15074	241	229	0.2	1.13	10	750	< 0.5	< 2	1.85	2.0	9	16	22	1.55	< 10	< 1	0.14	10	0.35	2490	1
R 15075	241	229	0.4	0.87	10	200	< 0.5	< 2	0.20	1.0	2	9	114	2.25	< 10	< 1	0.16	40	0.21	170	1
R 15076	241	229	0.6	1.80	12	880	< 0.5	< 2	1.60	6.0	6	17	126	2.56	< 10	1	0.12	10	0.41	505	< 1
R 15077	241	229	0.2	1.39	10	260	< 0.5	< 2	0.49	1.0	4	17	50	1.97	< 10	< 1	0.09	20	0.33	140	< 1
R 15078	241	229	0.2	2.03	14	280	< 0.5	< 2	0.33	< 0.5	5	22	29	2.69	< 10	< 1	0.08	10	0.34	200	1
R 15079	241	229	0.2	1.49	10	210	< 0.5	< 2	0.25	< 0.5	4	19	17	2.22	< 10	< 1	0.07	20	0.29	140	< 1
R 15080	241	229	0.4	1.69	4	320	< 0.5	< 2	0.37	0.5	8	20	34	2.52	< 10	< 1	0.07	10	0.29	385	< 1
R 17349	241	229	0.2	1.09	14	100	< 0.5	< 2	0.09	< 0.5	4	6	40	2.36	< 10	< 1	0.18	30	0.90	305	1
R 17350	241	229	0.4	0.67	4	70	< 0.5	< 2	0.06	< 0.5	1	3	24	1.07	< 10	< 1	0.10	30	0.44	90	< 1
R 17351	241	229	0.6	1.15	12	90	< 0.5	< 2	0.15	< 0.5	3	15	21	2.31	< 10	< 1	0.14	40	0.82	365	1
R 17352	241	229	0.4	1.27	8	110	< 0.5	< 2	0.24	< 0.5	3	8	18	2.23	< 10	< 1	0.14	40	1.03	315	1
R 17353	241	229	0.2	1.09	4	120	< 0.5	2	0.13	0.5	3	10	14	1.75	< 10	< 1	0.19	30	0.44	245	1
R 17354	241	229	1.0	1.41	8	170	< 0.5	< 2	0.15	< 0.5	5	12	29	2.35	10	< 1	0.28	60	0.71	280	2
R 17355	241	229	0.4	1.16	4	150	< 0.5	< 2	0.09	< 0.5	1	10	24	1.93	< 10	< 1	0.15	40	0.43	125	1
R 17356	241	229	1.0	1.32	12	180	< 0.5	< 2	0.11	< 0.5	3	12	51	2.59	< 10	< 1	0.14	40	0.37	135	2
R 17357	241	229	< 0.2	0.98	2	90	< 0.5	< 2	0.07	< 0.5	2	7	31	1.40	< 10	< 1	0.09	30	0.19	90	< 1
R 17358	241	229	0.4	3.08	16	160	< 0.5	< 2	0.09	< 0.5	15	30	59	4.67	< 10	1	0.10	10	1.34	400	2
R 17359	241	229	0.2	2.25	6	160	< 0.5	< 2	0.14	< 0.5	6	25	28	2.92	< 10	< 1	0.13	30	0.39	225	1
R 17360	241	229	0.2	1.21	8	80	< 0.5	< 2	0.08	< 0.5	4	23	26	2.22	< 10	< 1	0.14	30	0.48	185	1
R 17361	241	229	0.2	1.52	2	110	< 0.5	< 2	0.12	< 0.5	6	23	28	2.25	10	< 1	0.44	60	1.30	415	< 1
R 17362	241	229	0.4	1.54	4	180	< 0.5	< 2	0.15	< 0.5	3	22	27	2.21	10	< 1	0.15	60	0.64	225	1
R 17363	241	229	< 0.2	0.96	4	190	< 0.5	4	0.12	< 0.5	1	11	31	1.63	10	< 1	0.17	60	0.15	90	2
R 17364	241	229	0.2	1.01	10	140	< 0.5	2	0.07	< 0.5	2	14	24	1.97	< 10	< 1	0.13	40	0.25	175	3
R 17365	241	229	< 0.2	1.10	< 2	140	< 0.5	< 2	0.09	< 0.5	1	20	23	1.71	10	< 1	0.11	40	0.32	85	1
R 17366	241	229	< 0.2	1.01	18	170	< 0.5	< 2	0.06	< 0.5	< 1	11	30	2.27	10	1	0.20	70	0.18	80	2
R 17367	241	229	< 0.2	1.82	< 2	190	< 0.5	2	0.14	< 0.5	3	22	24	2.16	10	< 1	0.12	20	0.32	155	1
R 17368	241	229	< 0.2	2.86	12	130	< 0.5	< 2	0.15	< 0.5	11	24	35	3.99	10	2	0.13	10	1.29	500	1
R 17369	241	229	0.2	1.52	6	180	< 0.5	< 2	0.16	< 0.5	1	12	49	1.79	< 10	< 1	0.16	20	0.31	105	< 1
R 17370	241	229	0.8	1.27	< 2	240	< 0.5	< 2	0.15	< 0.5	1	11	56	2.64	< 10	< 1	0.17	30	0.36	115	1
R 17371	241	229	0.6	1.37	12	210	< 0.5	2	0.16	< 0.5	1	12	33	2.23	10	< 1	0.22	50	0.38	140	< 1
R 17372	241	229	0.6	1.53	< 2	140	< 0.5	< 2	0.15	< 0.5	4	14	26	2.52	10	< 1	0.27	50	0.72	585	1
R 17373	241	229	0.2	1.18	6	100	< 0.5	< 2	0.21	< 0.5	1	10	15	1.91	< 10	2	0.17	30	0.89	315	< 1
R 17374	241	229	0.2	1.17	10	130	< 0.5	2	0.13	< 0.5	1	12	30	1.51	< 10	< 1	0.10	30	0.67	95	< 1
R 17375	241	229	0.2	1.14	22	100	< 0.5	< 2	0.19	< 0.5	3	10	35	2.26	< 10	< 1	0.11	30	0.72	90	1
R 17376	241	229	0.4	1.28	14	140	< 0.5	< 2	0.21	< 0.5	5	12	50	2.01	< 10	< 1	0.17	30	0.75	220	1
R 17377	241	229	1.2	1.24	10	170	< 0.5	< 2	0.11	< 0.5	2	15	16	2.07	< 10	< 1	0.06	< 10	0.22	85	< 1
R 17378	241	229	1.6	2.89	14	240	< 0.5	< 2	0.16	< 0.5	6	37	24	3.75	10	< 1	0.07	10	0.44	250	2
R 17379	241	229	0.6	2.89	16	260	< 0.5	2	0.18	< 0.5	8	68	22	3.36	10	< 1	0.05	10	0.83	260	2
R 17380	241	229	< 0.2	0.88	6	110	< 0.5	2	0.13	< 0.5	1	11	5	1.05	< 10	< 1	0.11	10	0.22	120	< 1
R 17381	241	229	< 0.2	2.17	4	170	< 0.5	< 2	0.36	< 0.5	12	39	58	3.00	< 10	2	0.25	< 10	1.25	255	< 1

CERTIFICATION: Khai D'Ma

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To: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : MATSON
Comments:

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CERTIFICATE OF ANALYSIS A9219011

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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
R 18074	241	229	0.01	13	770	30	< 2	2	107	0.01	10	< 10	20	10	224
R 15075	241	229	0.01	5	380	528	< 2	2	47	0.03	20	< 10	19	10	472
R 15076	241	229	0.01	25	670	346	4	4	127	0.04	10	< 10	29	10	740
R 15077	241	229	0.01	8	360	242	< 2	4	39	0.07	10	< 10	34	10	286
R 15078	241	229	0.02	10	320	90	4	4	29	0.10	10	< 10	52	10	240
R 15079	241	229	0.01	8	260	80	< 2	2	25	0.08	10	< 10	45	< 10	126
R 15080	241	229	0.01	9	350	136	2	3	34	0.07	10	< 10	49	10	302
R 17349	241	229	0.03	5	450	188	< 2	1	51	0.03	10	< 10	10	10	344
R 17350	241	229	< 0.01	2	310	206	< 2	1	18	0.03	10	< 10	9	< 10	184
R 17351	241	229	< 0.01	6	540	214	< 2	2	24	0.07	10	< 10	22	10	192
R 17352	241	229	< 0.01	4	600	180	< 2	2	25	0.08	10	< 10	22	10	226
R 17353	241	229	0.01	5	540	86	< 2	2	23	0.06	10	< 10	23	< 10	128
R 17354	241	229	0.01	6	600	284	< 2	2	41	0.07	20	< 10	22	10	170
R 17355	241	229	0.01	3	480	302	< 2	1	33	0.02	10	< 10	22	10	94
R 17356	241	229	0.01	5	600	440	< 2	1	29	0.02	20	< 10	28	10	80
R 17357	241	229	0.02	4	170	66	< 2	1	18	0.04	10	< 10	23	< 10	88
R 17358	241	229	0.01	16	200	24	4	7	11	0.05	10	< 10	79	20	78
R 17359	241	229	0.01	15	200	88	< 2	3	20	0.08	20	< 10	54	10	60
R 17360	241	229	0.01	12	240	298	< 2	2	16	0.04	10	< 10	26	10	234
R 17361	241	229	< 0.01	15	500	70	< 2	2	23	0.09	20	< 10	22	10	272
R 17362	241	229	< 0.01	15	440	98	< 2	2	30	0.04	< 10	< 10	31	< 10	134
R 17363	241	229	0.02	6	330	100	2	1	41	0.02	< 10	< 10	24	< 10	58
R 17364	241	229	0.02	7	320	148	< 2	1	39	0.04	< 10	< 10	29	< 10	78
R 17365	241	229	0.01	10	180	108	< 2	1	23	0.04	< 10	< 10	30	< 10	54
R 17366	241	229	0.02	6	230	108	< 2	1	45	0.03	< 10	< 10	25	< 10	48
R 17367	241	229	0.01	10	130	140	< 2	3	20	0.08	< 10	< 10	51	< 10	60
R 17368	241	229	0.01	15	160	10	< 2	8	17	0.08	< 10	< 10	83	10	90
R 17369	241	229	0.02	6	290	64	< 2	2	27	0.04	< 10	< 10	33	< 10	58
R 17370	241	229	0.01	4	630	294	< 2	2	38	0.02	< 10	< 10	23	10	92
R 17371	241	229	0.01	5	610	330	< 2	2	50	0.03	< 10	< 10	21	10	82
R 17372	241	229	0.01	8	420	252	< 2	2	37	0.09	< 10	< 10	26	10	162
R 17373	241	229	< 0.01	6	510	122	< 2	1	27	0.07	< 10	< 10	21	10	174
R 17374	241	229	< 0.01	6	500	162	< 2	2	23	0.06	< 10	< 10	17	< 10	158
R 17375	241	229	0.01	9	530	146	< 2	2	19	0.05	< 10	< 10	22	< 10	200
R 17376	241	229	0.01	8	520	116	< 2	2	28	0.07	< 10	< 10	24	< 10	256
R 17377	241	229	0.02	8	110	20	< 2	2	12	0.08	< 10	< 10	45	< 10	28
R 17378	241	229	0.01	23	390	2	< 2	4	19	0.11	< 10	< 10	97	10	82
R 17379	241	229	0.01	60	310	< 2	< 2	4	22	0.10	< 10	< 10	84	10	100
R 17380	241	229	< 0.01	9	150	10	< 2	1	13	0.06	< 10	< 10	33	< 10	26
R 17381	241	229	0.01	27	310	2	< 2	5	28	0.13	< 10	< 10	71	10	66

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CERTIFICATION: Jhai D Ma

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CERTIFICATE OF ANALYSIS A9219011

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SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
R 17382	241	229	< 0.2	2.66	12	100	< 0.5	2	0.16	< 0.5	11	29	32	4.37	10	< 1	0.07	< 10	1.71	490	1
R 17383	241	229	< 0.2	4.16	< 2	40	< 0.5	< 2	0.15	< 0.5	23	153	41	5.93	10	< 1	0.01	< 10	3.77	480	< 1
R 17384	241	229	< 0.2	2.42	4	120	< 0.5	2	0.10	< 0.5	4	17	13	2.76	10	1	0.05	< 10	0.57	240	< 1
R 17385	241	229	< 0.2	2.03	< 2	80	< 0.5	< 2	0.24	< 0.5	12	27	46	3.97	10	< 1	0.25	< 10	1.55	375	< 1
R 17386	241	229	< 0.2	2.18	4	130	< 0.5	< 2	0.20	< 0.5	6	31	18	3.07	10	< 1	0.08	10	1.19	305	< 1
R 17387	241	229	0.2	1.25	< 2	150	< 0.5	< 2	0.10	< 0.5	3	16	11	1.68	< 10	< 1	0.08	30	0.26	100	1
R 17388	241	229	0.4	1.72	38	270	< 0.5	< 2	0.11	< 0.5	5	23	35	2.84	< 10	< 1	0.06	10	0.32	130	8
R 17389	241	229	0.2	2.21	< 2	150	< 0.5	6	0.33	< 0.5	13	27	55	3.05	< 10	< 1	0.36	< 10	1.41	245	< 1
R 17390	241	229	0.2	1.81	18	170	< 0.5	< 2	0.18	< 0.5	4	27	12	3.16	< 10	< 1	0.10	10	0.35	130	< 1
R 17391	241	229	< 0.2	1.69	2	130	< 0.5	< 2	0.19	< 0.5	7	26	27	2.38	< 10	1	0.06	< 10	0.82	210	< 1
R 17392	241	229	< 0.2	4.18	< 2	350	< 0.5	2	0.28	< 0.5	17	83	123	4.63	10	< 1	0.08	10	2.14	500	< 1
R 17393	241	229	< 0.2	2.06	4	140	< 0.5	< 2	0.12	< 0.5	5	14	11	1.95	< 10	1	0.07	10	1.55	325	< 1
R 17394	241	229	< 0.2	1.92	10	140	< 0.5	2	0.12	< 0.5	2	16	10	2.46	< 10	< 1	0.06	10	0.88	200	< 1
R 17395	241	229	< 0.2	3.10	< 2	130	< 0.5	6	0.19	< 0.5	8	28	16	4.49	10	< 1	0.04	10	1.30	280	< 1
R 17396	241	229	< 0.2	4.05	12	220	< 0.5	4	0.18	< 0.5	9	47	32	4.09	10	4	0.06	10	0.64	245	< 1
R 17397	241	229	1.6	1.92	66	190	< 0.5	< 2	0.15	< 0.5	2	26	12	4.26	10	< 1	0.11	20	0.26	105	< 1
R 17398	241	229	0.4	0.75	8	130	< 0.5	< 2	0.06	< 0.5	< 1	6	5	0.89	< 10	1	0.11	40	0.07	25	< 1
R 17399	241	229	0.2	2.95	16	190	< 0.5	2	0.17	< 0.5	8	70	26	3.46	10	< 1	0.08	10	0.94	220	1
R 17400	241	229	0.2	2.11	8	210	< 0.5	< 2	0.29	< 0.5	6	31	33	2.93	< 10	< 1	0.09	10	0.93	180	1

CERTIFICATION: Jhai D'Mia

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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
F 17382	241	229	< 0.01	15	290	12	2	14	13	0.09	< 10	< 10	119	20	94
F 17383	241	229	< 0.01	56	290	< 2	2	16	5	0.14	< 10	< 10	154	30	58
F 17384	241	229	0.01	9	480	< 2	< 2	3	13	0.05	< 10	< 10	49	10	40
F 17385	241	229	< 0.01	12	610	< 2	< 2	17	13	0.19	< 10	< 10	176	10	46
F 17386	241	229	0.01	12	690	2	< 2	7	18	0.14	< 10	< 10	97	10	54
F 17387	241	229	< 0.01	8	130	32	< 2	2	14	0.05	< 10	< 10	33	< 10	28
F 17388	241	229	0.01	23	370	6	2	3	34	0.05	< 10	< 10	51	< 10	84
F 17389	241	229	0.01	17	210	< 2	< 2	3	31	0.16	< 10	< 10	82	10	58
F 17390	241	229	0.01	17	760	16	2	2	18	0.07	< 10	< 10	68	10	52
F 17391	241	229	0.01	14	190	< 2	< 2	3	17	0.09	< 10	< 10	60	< 10	36
F 17392	241	229	0.01	49	210	< 2	2	13	22	0.13	< 10	< 10	127	20	100
F 17393	241	229	< 0.01	17	330	< 2	< 2	2	7	0.02	< 10	< 10	19	10	78
F 17394	241	229	0.01	6	460	< 2	< 2	2	18	0.04	< 10	< 10	41	< 10	30
F 17395	241	229	0.01	9	300	< 2	2	6	17	0.11	< 10	< 10	101	10	40
F 17396	241	229	0.01	21	370	< 2	< 2	6	19	0.14	< 10	< 10	98	10	46
F 17397	241	229	0.01	10	610	28	< 2	3	17	0.12	< 10	< 10	102	10	40
F 17398	241	229	< 0.01	3	180	12	< 2	1	14	0.02	< 10	< 10	17	< 10	10
F 17399	241	229	0.01	41	290	10	< 2	4	17	0.11	< 10	< 10	67	10	104
F 17400	241	229	0.01	25	580	< 2	< 2	5	21	0.07	< 10	< 10	66	10	100

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Project : MATSON
Comments:

Certificate Date: 20-AUG-92
Invoice No. :I9219479
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Account :F

CERTIFICATE OF ANALYSIS A9219479

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
R15081	201	229	< 0.2	0.91	6	110	< 0.5	2	0.25	0.5	4	14	19	1.69	10	< 1	0.12	50	0.42	150	1
R15082	201	229	< 0.2	1.26	4	140	< 0.5	2	0.45	< 0.5	11	33	16	2.02	10	< 1	0.14	40	0.71	995	1
R15083	201	229	< 0.2	1.18	8	180	< 0.5	2	0.41	0.5	6	19	30	2.23	10	< 1	0.14	30	0.52	480	1
R15084	201	229	< 0.2	1.38	8	220	< 0.5	4	0.51	1.0	6	21	39	2.51	10	< 1	0.17	30	0.58	660	1
R15085	201	229	< 0.2	1.44	12	280	< 0.5	2	0.59	1.5	11	25	39	2.58	10	< 1	0.16	30	0.61	2900	1
R15086	201	229	< 0.2	1.27	12	220	< 0.5	2	0.51	0.5	11	29	23	2.27	10	< 1	0.14	30	0.63	1730	< 1
R15087	201	229	< 0.2	1.29	12	180	< 0.5	< 2	0.46	< 0.5	10	33	20	2.07	10	< 1	0.12	30	0.71	515	< 1
R15088	201	229	< 0.2	0.96	10	130	< 0.5	2	0.38	< 0.5	7	25	12	1.65	10	< 1	0.10	30	0.56	455	< 1
R15089	201	229	< 0.2	0.77	8	110	< 0.5	< 2	0.40	< 0.5	6	19	9	1.41	< 10	< 1	0.07	30	0.42	360	< 1
R15090	201	229	< 0.2	1.26	2	180	< 0.5	< 2	0.47	< 0.5	9	32	14	1.97	10	< 1	0.13	30	0.70	610	< 1
R15091	201	229	< 0.2	2.52	12	350	< 0.5	< 2	1.12	0.5	16	64	56	3.64	10	< 1	0.13	10	1.41	775	< 1

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CERTIFICATE OF ANALYSIS A9219479

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
R15081	201	229	0.01	6	530	114	2	2	29	0.07	< 10	< 10	26	< 10	118
R15082	201	229	0.01	15	680	52	8	3	40	0.08	< 10	< 10	30	< 10	130
R15083	201	229	0.02	10	480	140	< 2	3	44	0.07	< 10	< 10	31	< 10	158
R15084	201	229	0.02	12	530	168	4	3	57	0.07	< 10	< 10	34	< 10	216
R15085	201	229	0.02	16	610	152	< 2	3	68	0.07	< 10	< 10	34	< 10	352
R15086	201	229	0.01	15	630	86	< 2	3	57	0.07	< 10	< 10	30	< 10	234
R15087	201	229	0.01	16	620	66	2	3	50	0.08	< 10	< 10	30	< 10	148
R15088	201	229	0.01	12	680	50	2	2	38	0.06	< 10	< 10	24	< 10	124
R15089	201	229	0.01	9	930	44	< 2	2	36	0.05	< 10	< 10	22	< 10	100
R15090	201	229	0.02	15	580	54	4	3	48	0.09	< 10	< 10	30	< 10	158
R15091	201	229	0.03	31	540	46	2	9	60	0.09	< 10	< 10	71	< 10	274

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Certificate Date: 20-AUG-92
Invoice No. :I9219012
P.O. Number :
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CERTIFICATE OF ANALYSIS A9219012

SAMPLE	PREP CODE		Au NAA ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
R 14814	205	274	2	< 0.2	2.35	4	90	< 0.5	2	0.65	< 0.5	13	95	21	4.13	< 10	< 1	0.25	< 10	1.43	580
T 17011	205	274	6	< 0.2	0.62	18	380	< 0.5	2	0.05	0.5	4	136	387	12.55	< 10	< 1	0.24	20	0.06	265
T 17012	205	274	117	< 0.2	0.52	< 2	90	< 0.5	4	0.13	< 0.5	9	165	28	11.50	< 10	< 1	0.11	< 10	0.05	320
T 17114	205	274	12	< 0.2	2.66	< 2	180	< 0.5	4	0.12	< 0.5	19	106	118	14.05	10	< 1	0.16	< 10	1.94	510
T 17115	205	274	17	1.2	0.65	16	130	< 0.5	< 2	0.03	< 0.5	< 1	197	128	6.38	< 10	< 1	0.33	30	0.08	25
T 17116	205	274	2	< 0.2	0.67	< 2	380	< 0.5	< 2	0.05	1.0	5	130	433	13.95	< 10	< 1	0.25	20	0.06	270
T 17117	205	274	23	< 0.2	1.11	< 2	50	< 0.5	6	0.07	1.0	2	56	335	15.00	< 10	< 1	0.13	20	0.08	30

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CERTIFICATE OF ANALYSIS A9219012

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
R 14814	205	274	1	0.02	7	390	8	< 2	6	56	0.11	< 10	< 10	45	10	94
T 17011	205	274	4	< 0.01	1	440	1090	6	2	9	< 0.01	< 10	< 10	5	< 10	358
T 17012	205	274	31	0.01	4	450	90	2	4	16	< 0.01	< 10	< 10	43	< 10	14
T 17114	205	274	6	0.04	6	1040	136	< 2	11	42	0.13	< 10	< 10	135	10	134
T 17115	205	274	3	< 0.01	3	160	86	22	1	2	< 0.01	< 10	< 10	4	< 10	62
T 17116	205	274	4	< 0.01	1	560	1270	6	2	10	< 0.01	< 10	< 10	5	< 10	390
T 17117	205	274	5	< 0.01	< 1	260	230	6	2	5	< 0.01	< 10	< 10	5	< 50	62

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Certificate Date: 24-AUG-92
Invoice No. : I9219481
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CERTIFICATE OF ANALYSIS A9219481

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
561153H	299	233	0.2	1.54	12	290	0.5	< 2	0.41	4.0	3	100	43	1.50	10	6	1.14	30	0.79	345	2
561154H	299	233	1.2	2.08	< 2	290	0.5	6	1.19	21.5	7	107	239	2.89	20	2	1.39	20	1.87	1245	2
561155H	299	233	0.8	1.64	14	360	0.5	4	0.49	1.5	3	95	59	1.68	20	< 1	1.07	30	0.49	330	3
561156H	299	233	5.4	1.79	22	380	1.0	16	5.30	28.5	11	93	121	3.98	20	< 1	1.16	10	3.05	3030	1
561157H	299	233	0.6	1.51	40	230	0.5	8	2.48	5.0	5	139	118	2.88	20	2	0.95	20	1.50	955	2
561158H	299	233	1.2	1.68	< 2	580	0.5	14	0.05	1.0	< 1	156	377	3.47	20	< 1	1.33	50	0.31	85	1
561159H	299	233	1.4	0.98	22	620	< 0.5	8	0.02	1.0	< 1	88	235	3.14	20	< 1	1.04	40	0.18	40	< 1
561160H	299	233	1.4	1.50	< 2	490	0.5	24	0.01	1.0	< 1	182	137	1.70	20	< 1	1.24	30	0.28	45	< 1
561161H	299	233	1.0	1.20	< 2	690	< 0.5	4	0.02	0.5	< 1	126	429	2.04	20	< 1	0.84	40	0.18	35	< 1
561162H	299	233	0.4	1.58	< 2	450	0.5	10	1.55	29.5	20	151	470	4.09	20	< 1	1.23	10	2.35	2510	2
561163H	299	233	1.0	1.21	14	280	< 0.5	18	2.10	48.0	14	91	252	4.30	10	< 1	0.80	10	2.95	2500	3
561164H	299	233	0.6	3.59	< 2	1340	1.0	10	1.04	7.0	12	234	173	3.17	20	< 1	1.72	40	1.81	750	< 1

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Total Pages :1
Certificate Date: 24-AUG-92
Invoice No. :I9219481
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Account :F

CERTIFICATE OF ANALYSIS A9219481

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
561153H	299	233	0.03	3	430	244	6	1	66	0.06	< 10	< 10	10	< 10	908
561154H	299	233	0.03	10	380	2670	< 2	2	76	0.06	< 10	< 10	12	30	4710
561155H	299	233	0.05	5	450	142	< 2	2	73	0.03	< 10	< 10	11	10	280
561156H	299	233	0.03	4	130	3000	2	2	433	0.03	< 10	< 10	13	40	3410
561157H	299	233	0.04	7	290	966	6	2	225	0.03	< 10	< 10	11	20	1030
561158H	299	233	0.04	4	650	3130	6	2	41	0.05	< 10	< 10	7	10	256
561159H	299	233	0.02	< 1	740	3520	4	2	56	0.04	< 10	< 10	8	10	176
561160H	299	233	0.04	2	250	3520	< 2	2	17	0.05	< 10	< 10	10	10	74
561161H	299	233	0.04	< 1	410	3780	< 2	1	25	0.02	< 10	< 10	3	< 10	184
561162H	299	233	0.02	46	650	2930	2	5	92	0.07	< 10	< 10	29	20	4140
561163H	299	233	0.02	21	640	3100	< 2	5	219	0.04	< 10	< 10	22	30	5170
561164H	299	233	0.05	9	690	358	< 2	6	111	0.04	< 10	< 10	36	20	1425

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Invoice No. :I9219480
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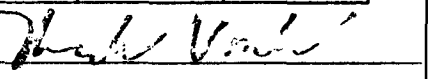
CERTIFICATE OF ANALYSIS A9219480

SAMPLE	PREP CODE		Au ppb FA+AA	Ag oz/T	Cu %	Pb %	Zn %					
561153M	205	274	< 5	< 0.01	< 0.01	0.03	0.08					
561154M	205	274	5	0.04	0.02	0.28	0.42					
561155M	205	274	< 5	0.01	< 0.01	0.02	0.02	DDH MA92-02				
561156M	205	274	< 5	0.14	< 0.01	0.30	0.30					
561157M	205	274	< 5	0.01	0.01	0.10	0.09					
561158M	205	274	< 5	0.03	0.03	0.31	0.03					
561159M	205	274	< 5	0.02	0.02	0.31	0.01					
561160M	205	274	< 5	0.03	0.01	0.32	0.01					
561161M	205	274	< 5	0.01	0.04	0.35	0.02	DDH MA92-03				
561162M	205	274	< 5	0.02	0.05	0.29	0.38					
561163M	205	274	< 5	0.03	0.03	0.30	0.49					
561164M	205	274	< 5	0.01	0.02	0.03	0.13					

CERTIFICATION: 

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Page Number :1-A
Total Pages :1
Certificate Date: 06-SEP-92
Invoice No. :19220378
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CERTIFICATE OF ANALYSIS A9220378

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
561165H	299	233	2.6	1.00	72	570	< 0.5	< 2	0.10	< 0.5	2	144	986	6.00	< 10	< 1	0.67	30	0.14	80	3
561166H	299	233	2.4	1.15	< 2	760	< 0.5	< 2	0.62	1.5	9	198	403	4.75	< 10	< 1	1.30	30	0.22	60	2
561167H	299	233	0.8	3.10	58	470	< 0.5	< 2	2.16	< 0.5	2	60	704	4.52	10	< 1	1.26	30	1.11	255	2
561168H	299	233	0.2	0.96	16	1090	< 0.5	< 2	0.29	< 0.5	1	196	33	1.33	10	< 1	0.71	40	0.44	200	6
561169H	299	233	0.4	1.15	< 2	290	< 0.5	< 2	0.16	< 0.5	6	92	37	1.56	10	< 1	0.78	50	0.82	260	6
561170H	299	233	0.6	1.25	22	300	< 0.5	< 2	0.60	1.0	8	135	37	1.73	10	< 1	0.89	30	0.43	810	1
561171H	299	233	0.6	1.15	22	210	< 0.5	< 2	0.31	< 0.5	11	91	47	1.90	10	< 1	0.79	40	0.30	515	4
561172H	299	233	3.8	0.83	2	210	< 0.5	12	0.11	0.5	3	111	193	1.40	< 10	< 1	0.57	30	0.18	245	1
561173H	299	233	1.2	1.26	< 2	230	< 0.5	< 2	0.81	3.5	11	99	131	1.79	10	< 1	0.78	30	0.70	645	6
561174H	299	233	6.6	1.30	260	200	< 0.5	< 2	1.19	1.0	9	125	1215	2.00	10	< 1	0.84	20	1.38	985	1
561175H	299	233	0.4	1.21	< 2	160	< 0.5	< 2	1.01	< 0.5	7	80	15	2.01	< 10	< 1	0.83	30	1.30	635	1
561176H	299	233	0.2	1.78	54	280	< 0.5	8	1.39	< 0.5	13	138	19	2.72	10	< 1	1.08	30	1.73	1045	3
561177H	299	233	0.6	1.83	12	310	< 0.5	< 2	0.91	< 0.5	9	140	12	1.81	10	< 1	1.08	30	1.19	585	2
561178H	299	233	0.2	1.88	14	300	< 0.5	4	1.21	1.5	9	154	42	1.83	10	< 1	0.98	30	1.33	635	2
561179H	299	233	0.4	1.13	< 2	320	< 0.5	< 2	0.13	< 0.5	5	158	8	1.03	< 10	< 1	0.75	20	0.26	65	4
561180H	299	233	0.6	1.53	30	320	< 0.5	8	1.11	< 0.5	7	137	24	2.32	10	< 1	1.11	30	1.26	750	4
561181H	299	233	0.8	1.78	< 2	300	< 0.5	4	1.18	4.0	6	98	71	2.60	10	< 1	1.39	20	1.82	1095	1
561182H	299	233	0.6	1.10	62	520	< 0.5	< 2	0.03	< 0.5	6	247	63	2.50	10	< 1	0.70	60	0.14	35	1
561183H	299	233	0.6	0.49	34	510	< 0.5	2	0.06	< 0.5	4	135	37	2.70	< 10	< 1	0.66	30	0.06	25	7
561184H	299	233	1.4	0.71	10	330	< 0.5	< 2	0.07	< 0.5	1	167	790	1.82	10	< 1	0.68	50	0.08	25	1
561185H	299	233	0.4	1.63	20	280	< 0.5	< 2	0.76	14.5	18	134	145	3.91	10	< 1	0.72	40	0.65	930	2
561186H	299	233	1.8	0.79	54	470	< 0.5	< 2	0.08	< 0.5	4	208	74	2.12	10	< 1	0.86	60	0.11	35	5

CERTIFICATION: John D'Mar

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Project : MATSON
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Invoice No. :I9220378
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CERTIFICATE OF ANALYSIS A9220378

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
561165H	299	233	0.09	4	1400	>10000	< 2	3	78	0.01	< 10	< 10	14	< 10	826
561166H	299	233	0.07	2	450	7120	< 2	2	85	0.03	< 10	< 10	10	< 10	314
561167H	299	233	0.08	8	630	682	2	4	233	0.07	< 10	< 10	27	< 10	1145
561168H	299	233	0.06	1	10	96	< 2	< 1	70	< 0.01	10	< 10	3	< 10	48
561169H	299	233	0.04	2	160	98	< 2	1	46	< 0.01	< 10	< 10	4	< 10	102
561170H	299	233	0.04	< 1	450	104	6	2	57	0.03	20	< 10	10	< 10	354
561171H	299	233	0.05	9	370	30	< 2	1	48	0.02	10	< 10	8	< 10	152
561172H	299	233	0.06	3	270	1775	< 2	1	49	0.01	20	< 10	5	< 10	346
561173H	299	233	0.07	9	370	322	< 2	1	97	0.03	< 10	< 10	10	< 10	410
561174H	299	233	0.03	1	320	1720	< 2	1	89	0.03	10	< 10	9	< 10	566
561175H	299	233	0.04	2	390	78	< 2	1	42	0.02	< 10	< 10	8	< 10	62
561176H	299	233	0.04	7	530	52	< 2	2	61	0.04	< 10	< 10	15	< 10	116
561177H	299	233	0.06	8	360	62	< 2	2	35	0.04	10	< 10	12	< 10	78
561178H	299	233	0.07	1	390	214	< 2	2	39	0.07	< 10	< 10	12	< 10	510
561179H	299	233	0.10	2	50	144	< 2	< 1	21	0.01	10	< 10	2	< 10	48
561180H	299	233	0.04	9	320	390	< 2	2	59	0.04	< 10	< 10	11	< 10	282
561181H	299	233	0.03	8	290	1030	< 2	2	61	0.07	10	< 10	13	< 10	1000
561182H	299	233	0.04	3	530	892	4	1	75	0.01	< 10	< 10	12	< 10	60
561183H	299	233	0.12	6	210	806	< 2	< 1	43	0.01	10	< 10	8	< 10	42
561184H	299	233	0.04	4	190	3300	< 2	1	34	0.01	< 10	< 10	4	< 10	98
561185H	299	233	0.03	6	640	302	< 2	3	50	< 0.01	< 10	< 10	15	< 10	1960
561186H	299	233	0.02	1	240	2740	< 2	1	30	0.02	10	< 10	8	< 10	52

CERTIFICATION: Jhai D Ma

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : MATSON
Comments:

Pa nber :1
Tot ges :1
Certificate Date: 08-SEP-92
Invoice No. :I9220377
P.O. Number :
Account :F

CERTIFICATE OF ANALYSIS A9220377

SAMPLE	PREP CODE		Au NAA ppb	Ag oz/T	Cu %	Pb %	Zn %					
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561166H	208	274	63	0.05	0.04	0.71	0.03					
561167H	208	274	2	< 0.01	0.07	0.07	0.11					
561168H	208	274	< 1	< 0.01	< 0.01	0.01	0.01					
561169H	208	274	1	< 0.01	< 0.01	0.01	0.01					
561170H	208	274	< 1	< 0.01	< 0.01	0.01	0.04					
561171H	208	274	1	< 0.01	< 0.01	< 0.01	0.01					
561172H	208	274	153	0.08	0.02	0.16	0.03					
561173H	208	274	2	0.01	0.01	0.03	0.04					
561174H	208	274	13	0.16	0.12	0.16	0.06					
561175H	208	274	< 1	0.01	< 0.01	0.01	0.01					
561176H	208	274	5	< 0.01	< 0.01	0.01	0.01					
561177H	208	274	1	< 0.01	< 0.01	0.01	0.01					
561178H	208	274	< 1	0.01	< 0.01	0.03	0.05					
561179H	208	274	3	< 0.01	< 0.01	0.02	0.01					
561180H	208	274	2	0.01	< 0.01	0.04	0.03					
561181H	208	274	3	0.01	0.01	0.11	0.10					
561182H	208	274	5	0.03	< 0.01	0.09	0.01					
561183H	208	274	8	0.02	< 0.01	0.08	0.01					
561184H	208	274	5	0.03	0.08	0.30	0.01					
561185H	208	274	4	0.01	0.01	0.03	0.18					
561186H	208	274	4	0.03	0.01	0.25	0.01					

CERTIFICATION:

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Y1A 3S9

Project : MATSON
Comments:

Page Number :1-A
Total Pages :1
Certificate Date: 08-JUL-92
Invoice No. :I9217045
P.O. Number :
Account :F

CERTIFICATE OF ANALYSIS A9217045

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
R14820	299	229	0.2	0.88	30	80	< 0.5	2	0.18	< 0.5	5	171	93	4.87	< 10	< 1	0.21	< 10	0.13	260	5
R14821	299	229	0.2	0.96	20	80	0.5	2	0.05	< 0.5	5	172	19	4.83	< 10	< 1	0.23	10	0.08	285	< 1
R14822	299	229	0.2	1.14	20	110	< 0.5	< 2	0.03	< 0.5	4	176	13	3.69	< 10	< 1	0.31	< 10	0.10	185	< 1

CERTIFICATION: John D'Mar

Chemex Labs Ltd.

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212 Brooksbank Ave., North Vancouver
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Project : MATSON
Comments:

Page Number :1-B
Total Pages :1
Certificate Date: 08-JUL-92
Invoice No. :I9217045
P.O. Number :
Account :F

CERTIFICATE OF ANALYSIS A9217045

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
R14820	299	229	0.10	4	430	34	14	3	15	< 0.01	< 10	< 10	10	< 10	108
R14821	299	229	0.11	3	530	20	4	5	12	< 0.01	< 10	< 10	7	< 10	42
R14822	299	229	0.16	3	350	20	4	4	15	< 0.01	< 10	< 10	8	< 10	34

CERTIFICATION: Jhai D Ma

Chemex Labs Ltd.

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Project : MATSON
Comments:

Page Number :1
Total Pages :1
Certificate Date: 10-JUL-92
Invoice No. :I9217044
P.O. Number :
Account :F

CERTIFICATE OF ANALYSIS A9217044

SAMPLE	PREP CODE		Au OZ/T FA+AA	Cu %	Pb %	Zn %	Ag oz/T					
R14820	208	226	<0.0005	< 0.01	< 0.01	< 0.01	< 0.01					
R14821	208	226	0.0005	< 0.01	< 0.01	< 0.01	< 0.01					
R14822	208	226	<0.0005	< 0.01	< 0.01	< 0.01	< 0.01					

CERTIFICATION:

APPENDIX IV

GEOPHYSICAL REPORT, AMEROK GEOPHYSICS

AMEROK GEOPHYSICS
Box 5709
Whitehorse, Yukon
Y1A 5L5

Phone (403) 668-7672

July 24, 1992

Mr. Rob Carne
Archer Cathro and Associates Ltd.
1016 510 West Hastings Street
Vancouver B.C. V6B 1L8

Re: HLEM Survey at BOR Property

Dear Mr. Carne,

This letter describes the results of the Maxmin I-9 HLEM survey conducted at the BOR Property in the Ladue River, Y.T. between July 14, 1992 and July 21, 1992. The survey was performed to locate bedrock conductors which could host Pb-Zn-Cu mineralization in the vicinity of a strong geochemical anomaly.

a. Survey Description. The survey was conducted on approximately 13 line-km of cut grid lines. Survey lines up to 1.0 km long were turned at 100 m intervals from a cut baseline (1000 N). A tie line at 2000 N was also slashed out. Stations were picketed at 25 m intervals along the survey lines and all chainages were slope corrected. The line quality was excellent. The survey was conducted with a Maxmin I-9 (S/N 3775) manufactured by Apex Parametrics of Uxbridge ON. The instrument was used in mode MAX 1 which is a conventional horizontal loop configuration. The resulting data consists of in-phase and out-of-phase (quadrature) EM field strengths measured as percentages of the primary (transmitter) field strength at the receiver. The instrument correctly removes the free space primary field strength at the nominal coil spacing leaving the anomalous in-phase response (the quadrature response is always entirely anomalous). A 100 m coil spacing was used for a first pass over the entire grid and measurements taken using 220 Hz, 880 Hz, 3520 Hz and 7040 Hz. Coverage with the latter frequency includes all lines less 6300E and 6500E; measurements with this frequency were collected after noting the low response at 3520 Hz on the first two survey lines. A follow-up survey at coil spacings of 50 m (using 3520 Hz, 7040 Hz and 14080 Hz) and 150 m (using 220 Hz, 880 Hz and 3520 Hz) was performed on lines 6400E and 7300E to determine the geometry and conductance of possible drill targets. During surveys at the 100 m and 150 m coil spacings, the crew tight chained the intercoil distance using the intercom cable and measured the station-to-station slope to the nearest degree using a clinometer. During the survey at the 50 m coil spacing, the trailing transmitter operator measured the slope to the receiver operator and both crewmen set their coils to ensure coplanarity.

b. Data. Phase referenced HLEM data is seriously affected by changes in intercoil distance and by variations in the angle between coil axes. Ideally, data would be collected with coplanar coils fixed at the correct nominal coil spacing. Since this is not possible in the field unless working in flat terrain, topographic corrections must be made using the known terrain slopes along the survey lines. Corrected in-phase (IP) and quadrature (Q) readings were calculated using the following relations:

$$IP = K[\ IP_{RAW} + 100\ ] - 100 + 300 \sin^2\theta_m$$

$$Q = K\ Q_{RAW}$$

$$K = (\ [\ \sin\theta_1\ ]^2 + [\ \cos\theta_1\ ]^2\ )^{3/2}$$

$$\theta_m = \tan^{-1}\ (\ [\ \textstyle\sum \sin\theta_1\ ]\ /\ [\ \textstyle\sum \cos\theta_1\ ]\ )$$

A listing of corrected readings is appended to this letter along with individual profiles of the corrected data for each line and coil spacing. The data is plotted at the midpoint between the transmitter and receiver. In-phase noise due to coil spacing and orientation error is in the order of $\pm 1\%\ H_s$ (Primary Field) and up to twice this value on steep slopes. There is no significant terrain effect noise in the quadrature signal.

c. Results. A line profile (stacked profile) map for the 3520 Hz / 100 m coil spacing data showing conductor locations is appended to this letter. Several weak conductors located beneath or near the geochemical anomaly were detected. These are characterized by distinct quadrature responses and weak or absent in-phase responses. Consequently all are poor conductors. These conductors are described below; conductors north (down slope) of the geochemical anomaly are not described further.

Anomaly A extends from line 6300E (1500N) to line 6600E (1525N). It is characterized by strong quadrature response and by very weak in-phase response at high frequencies. This anomaly is immediately south of and upslope from the western end of the geochemical anomaly. The best response at 100 m coil spacing was detected on line 6400E and the anomaly was resurveyed with 50 m and 150 m cables to determine conductor geometry and conductance. These are summarized below:

Apex location: Line 6400E, 1576N

Dip: Response asymmetry indicates moderate dip to the N but this is contradicted by a migration in apparent apex location to the S as the coil spacing is increased. Dip to the S is also concordant with local geology. The dip is estimated at 30° to 40° S.

Depth: A definite response was recorded at a 50 m coil spacing indicating that the zone is probably less than 25 m below surface. Interpreted depth from Ketola's Curves suggest that the top is 15 m to 20 m below surface.

Width: Excess width in the 50 m coils response suggests that the conductor might be up to 10 m wide.

Conductance: Target conductance estimated from Ketola's Curves is 0.20 to 0.30 S.

Anomaly B extends from line 6600E (1275N) to line 7600E (1275N). It is characterized by a moderate quadrature response and by no in-phase response. This anomaly is immediately south of and upslope from the eastern end of the geochemical anomaly. The best response at 100 m coil spacing was detected on line 7300E and the anomaly was resurveyed with 50 m and 150 m cables to determine conductor geometry and conductance. These are summarized below:

Apex location: Line 7300E, 1275N

Dip: Response asymmetry indicates that the conductor dips steeply to the ~~north.~~ south

Depth: A definite response was recorded at a 50 m coil spacing indicating that the zone is probably less than 25 m below surface. A more definite estimate of depth cannot be obtained without in-phase response.

Width: Excess width in the 50 m coils response suggests that the conductor might be up to 15 m wide.

Conductance: Target conductance cannot be estimated without in-phase responses but is certainly less than 0.1 S.

A third anomaly consisting of a uniform multi-frequency in-phase anomaly with no associated quadrature runs from line 7200E, 1325N to line 7500E, 1300N. This could be produced by unremoved terrain noise at a topographic discontinuity or by magnetite.

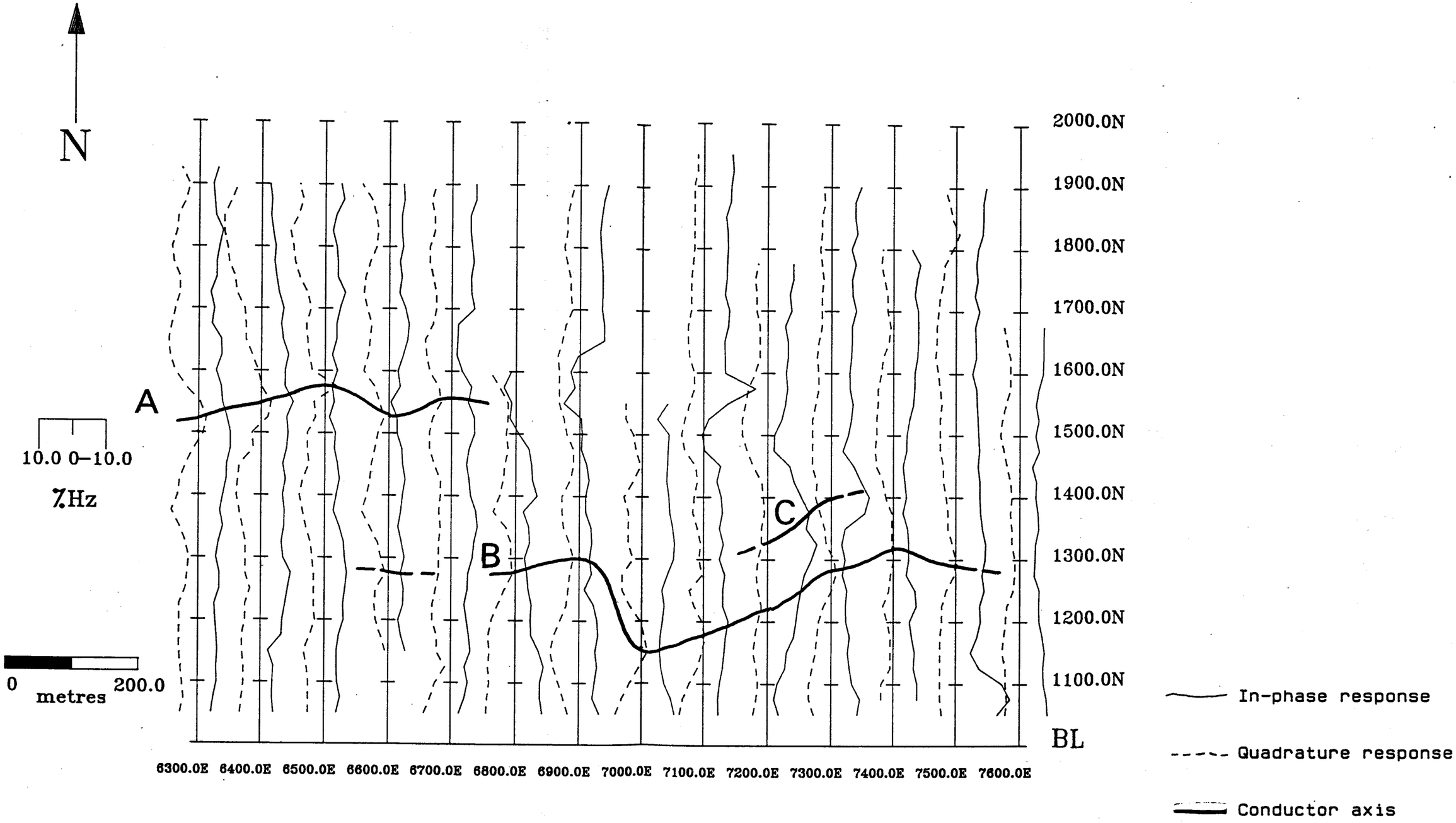
d. Recommendations. I recommend that Anomaly A be tested on line 6400E and Anomaly B be tested on line 7300E. If resources permit, the in-phase anomaly (C) could be checked.

Thank you for the opportunity to work with Archer Cathro and Associates on this very interesting project. I hope that the drill program at the BOR Property is successful and look forward to working with you again.

Yours Sincerely,
AMEROK GEOPHYSICS

M.A. Power M.Sc.
Geophysicist

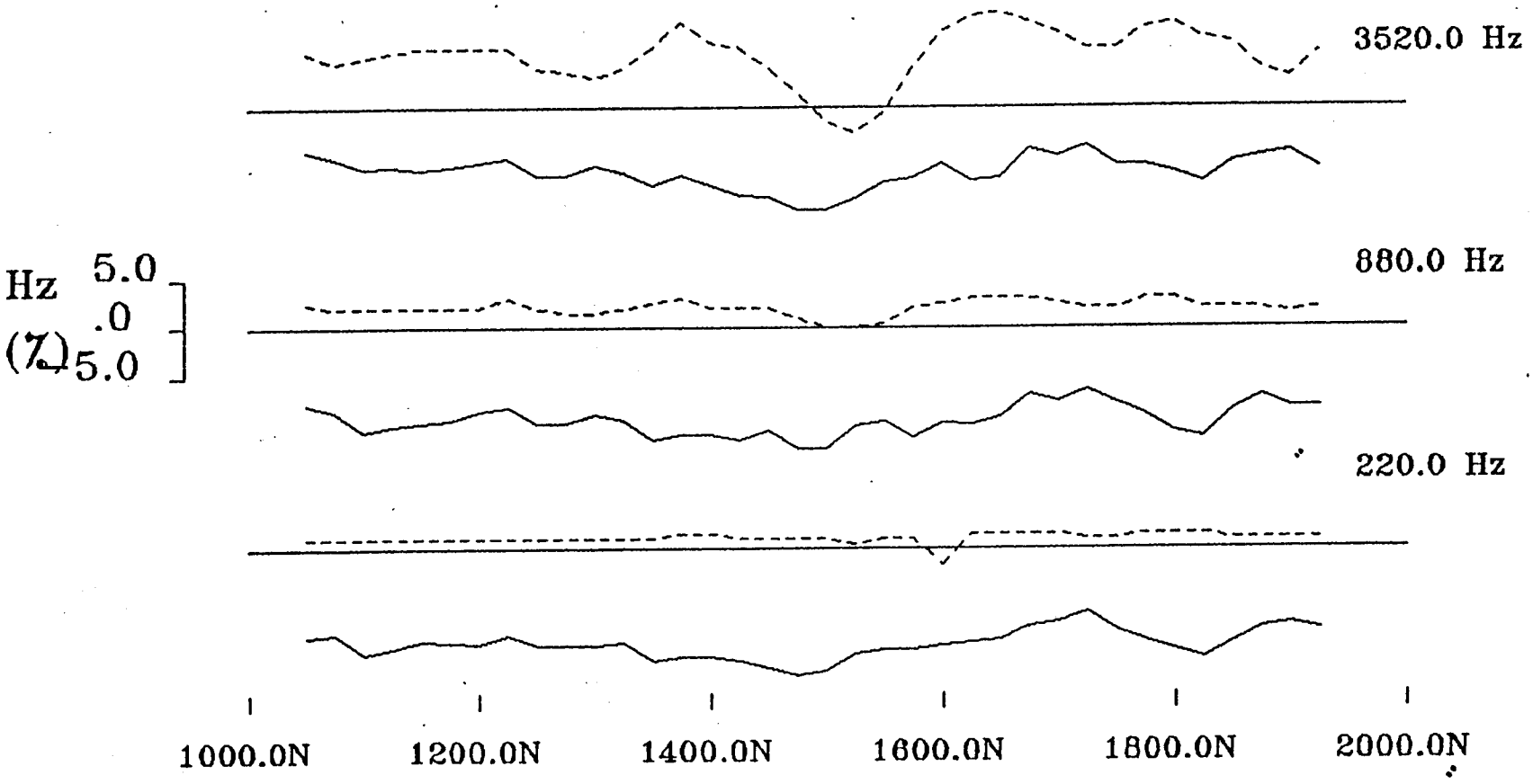
/encl.



Archer Cathro & Assoc.	Scale 1: 6000	24 JUL 92
Maxmin I-9 HLEM Survey	NTS: 105N	M.D.: Dawson, YT
3520 Hz / 100 m Coils	AMEROK GEOPHYSICS	

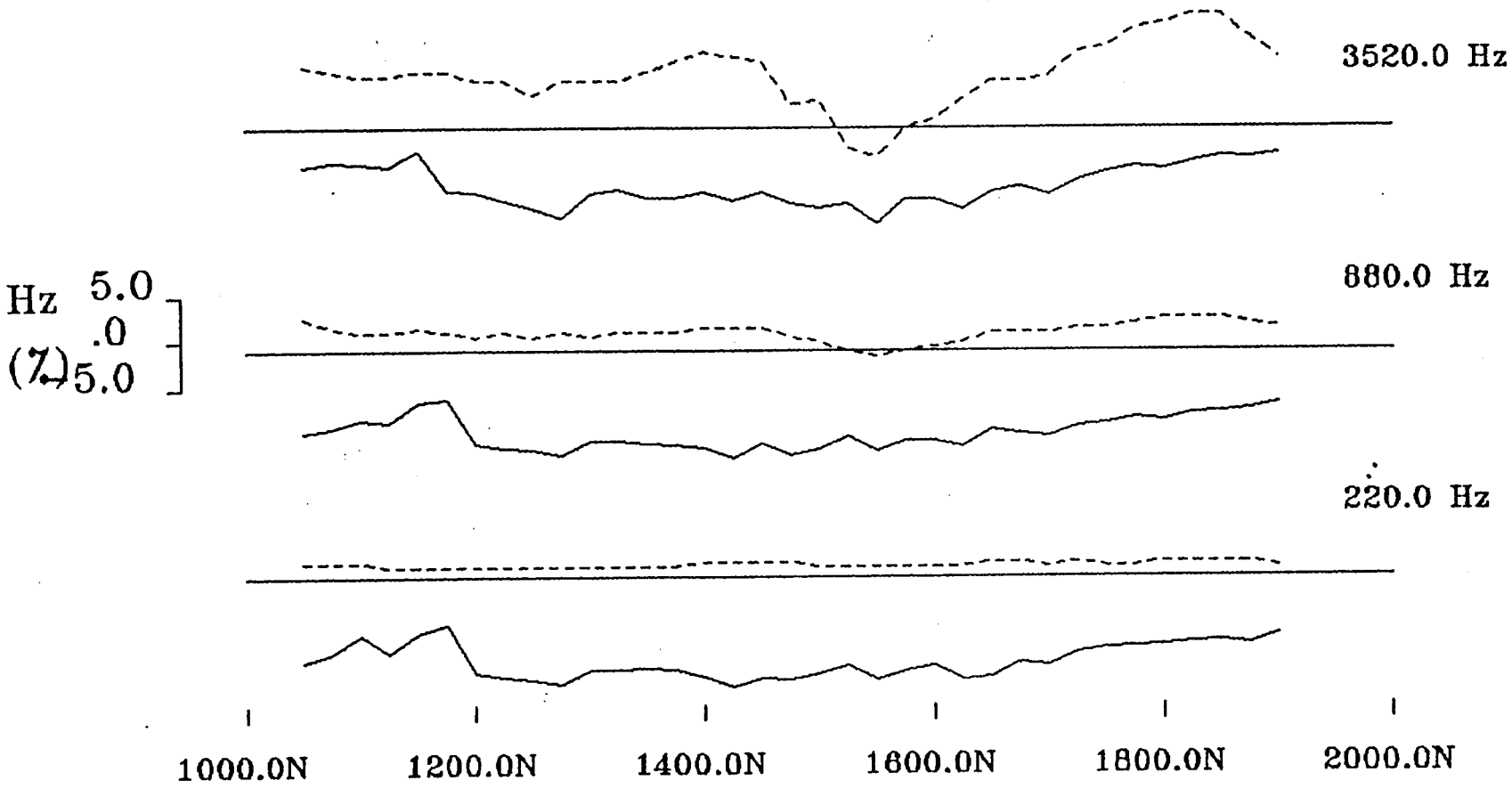
Line: 6300.0E

Coil spacing: 100.0 m



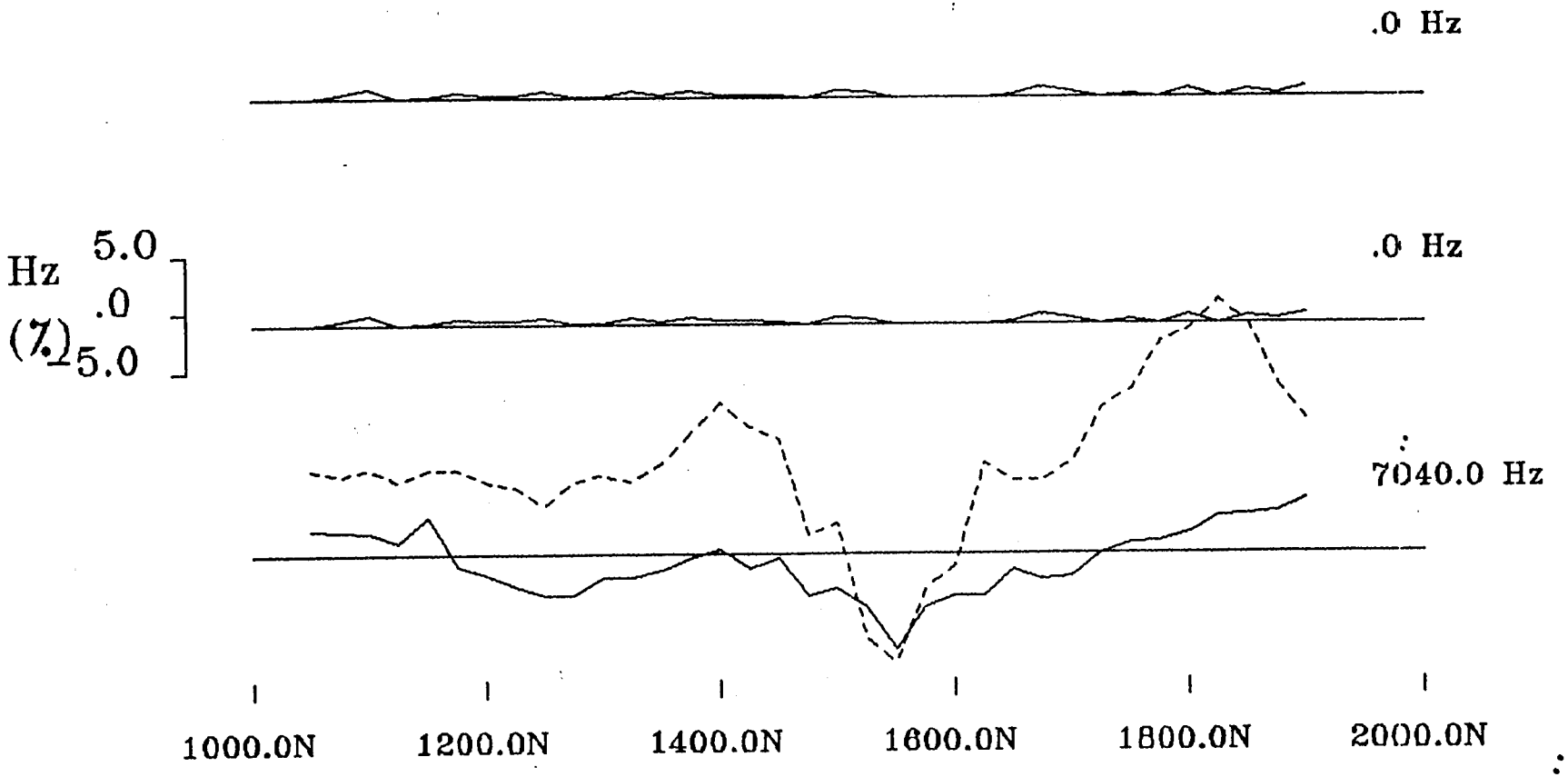
Line: 6400.0E

Coil spacing: 100.0 m



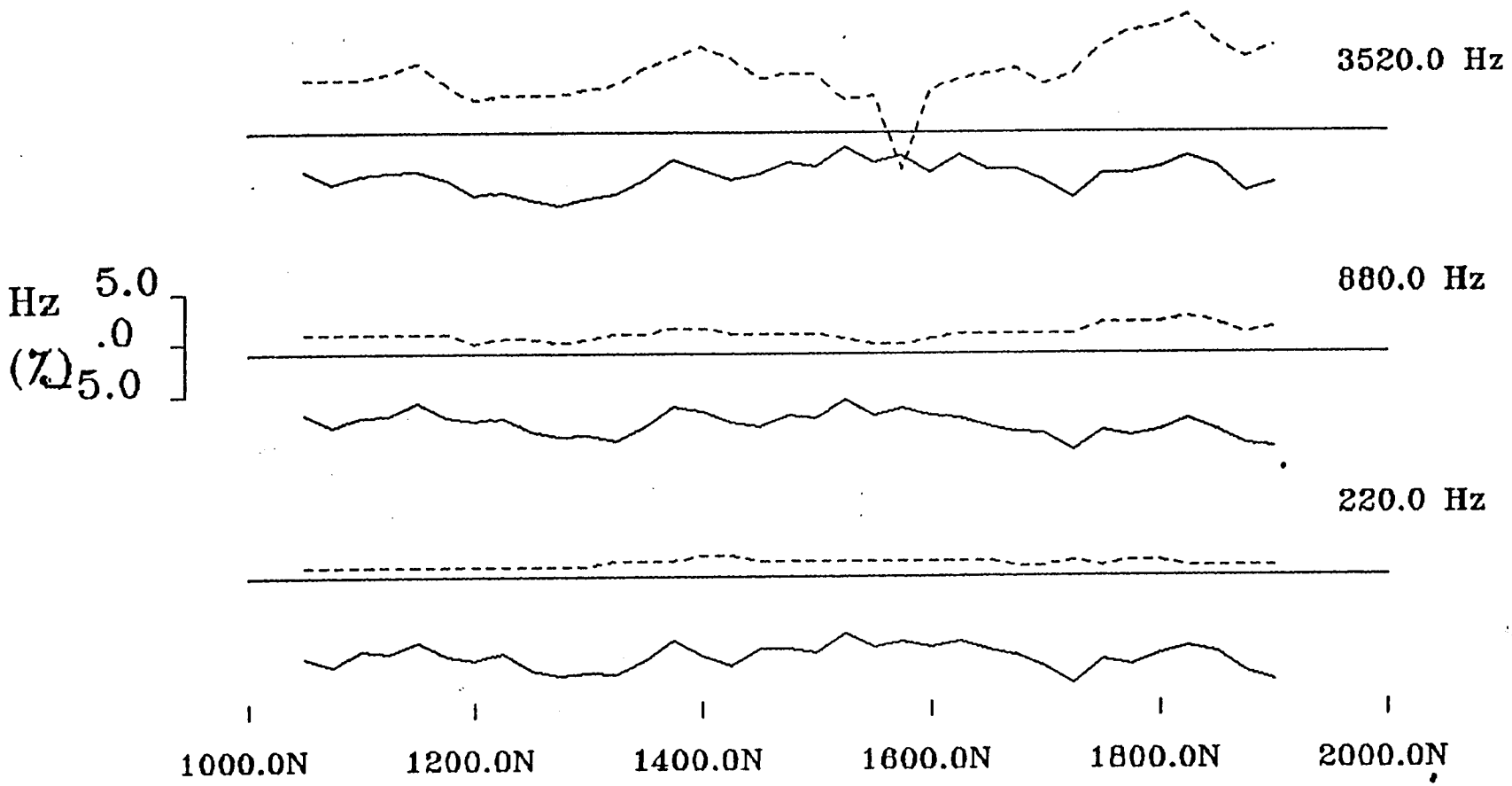
Line: 6400.0E

Coil spacing: 100.0 m



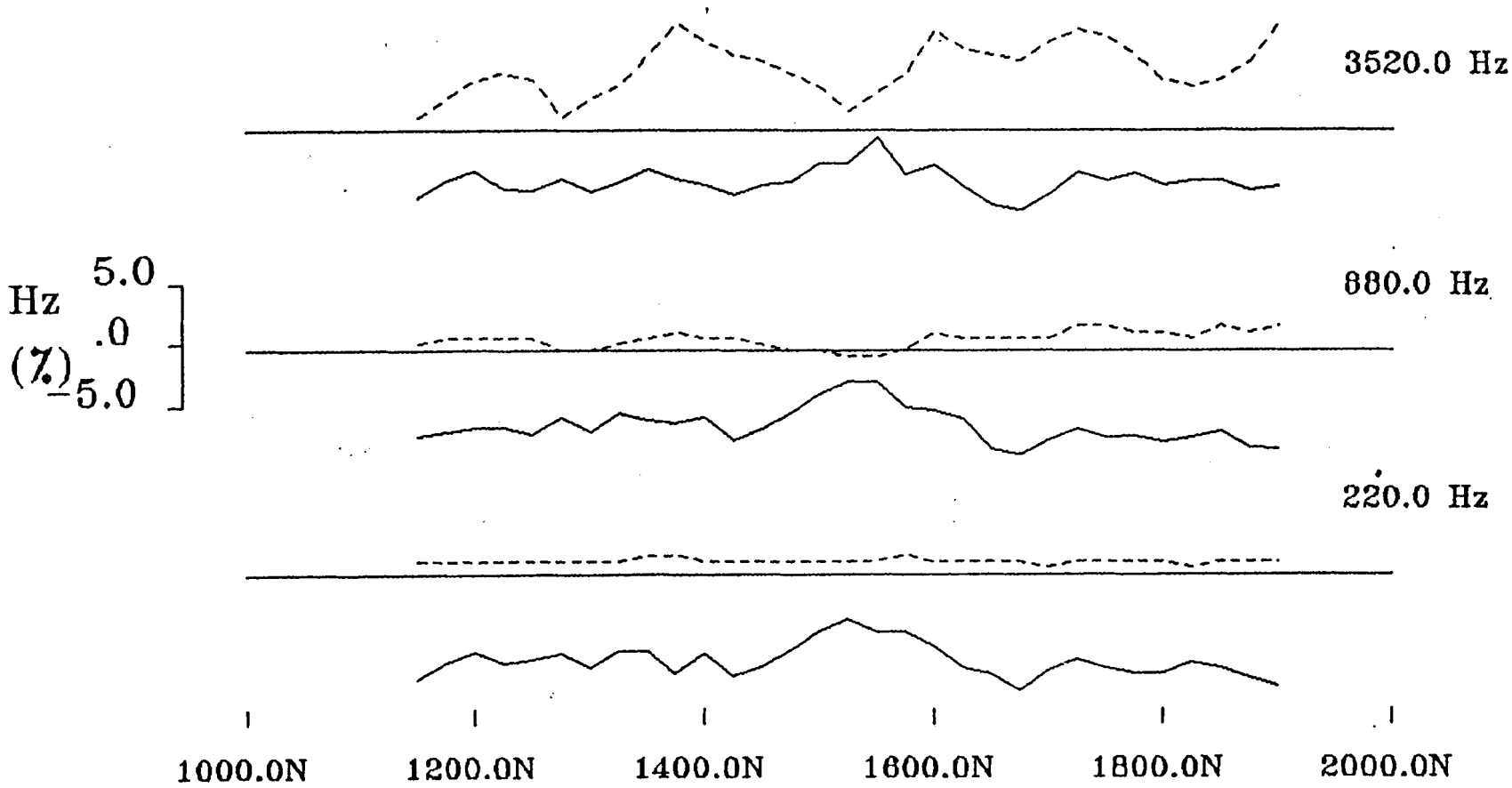
Line: 6500.0E

Coil spacing: 100.0 m



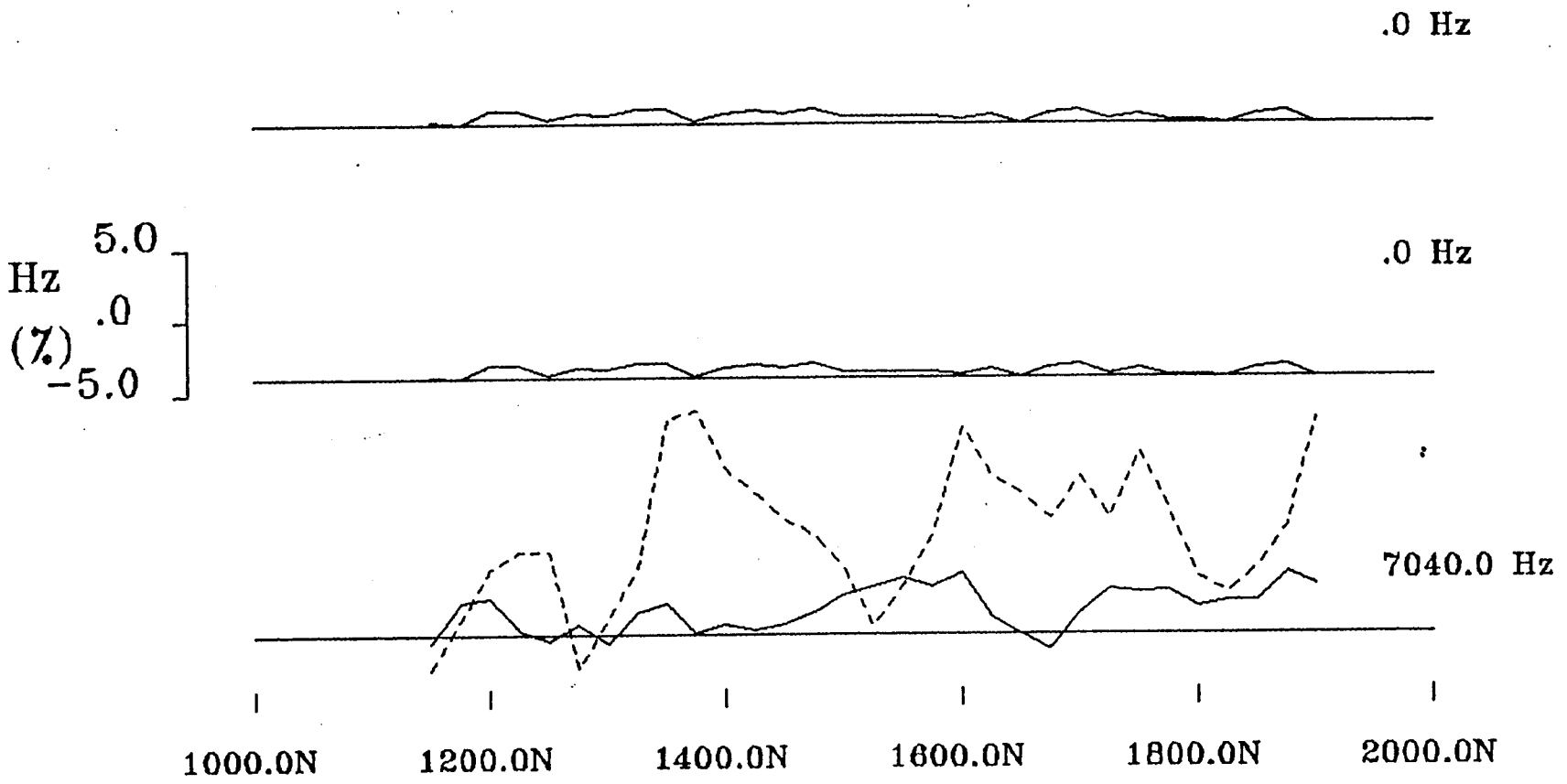
Line: 6600.0E

Coil spacing: 100.0 m



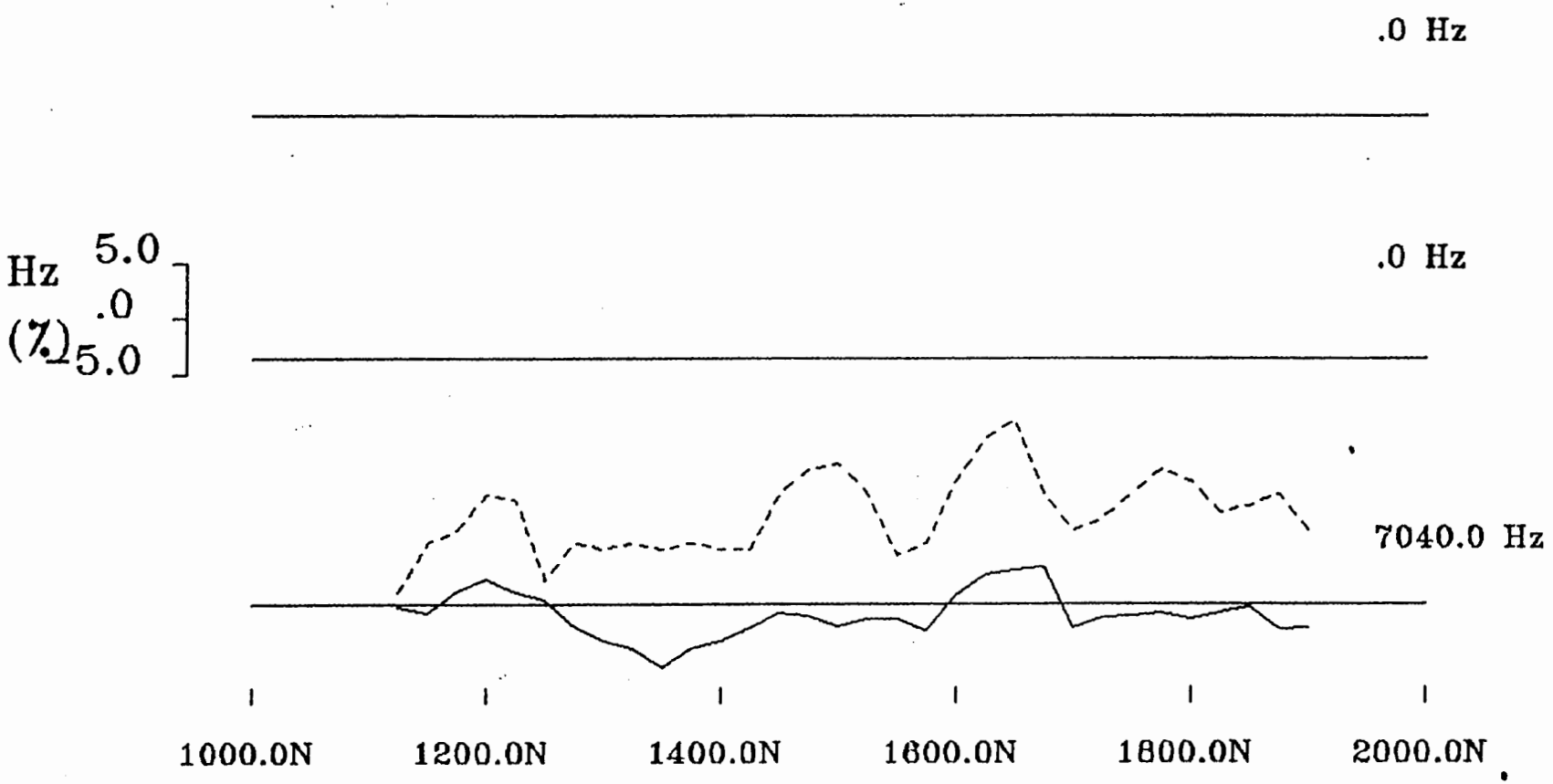
Line: 6600.0E

Coil spacing: 100.0 m



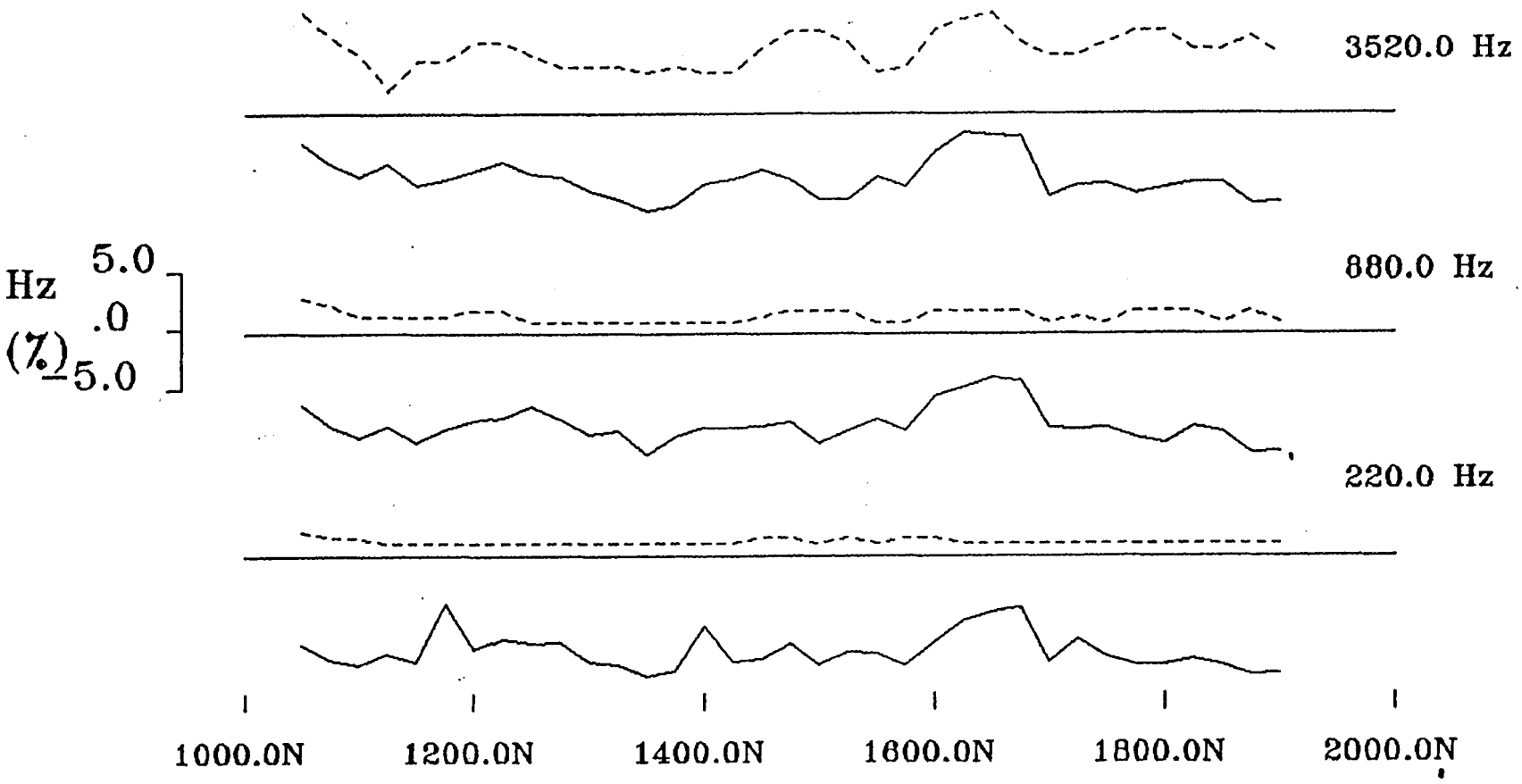
Line: 6700.0E

Coil spacing: 100.0 m



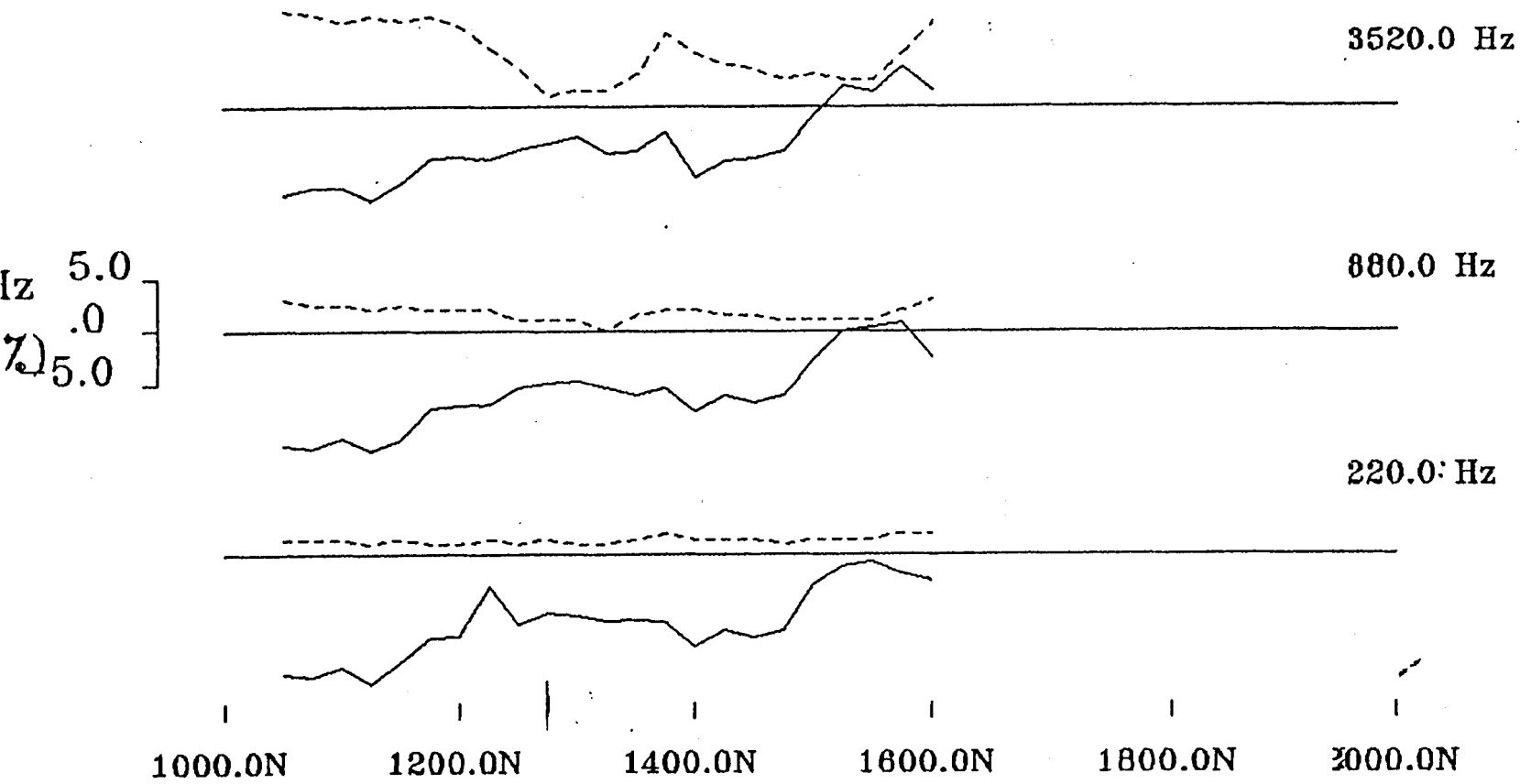
Line: 6700.0E

Coil spacing: 100.0 m



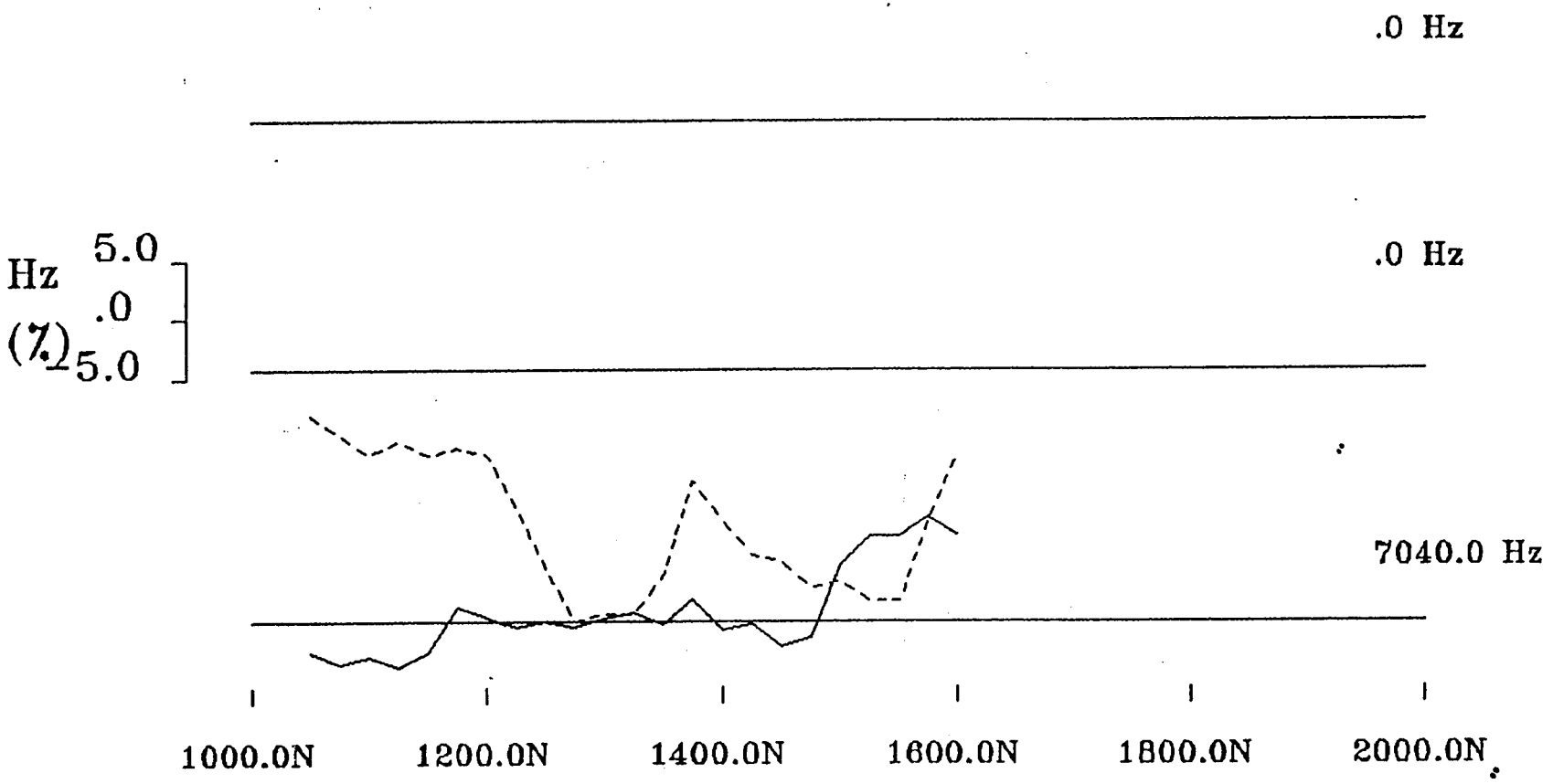
Line: 6800.0E

Coil spacing: 100.0 m



Line: 6800.0E

Coil spacing: 100.0 m



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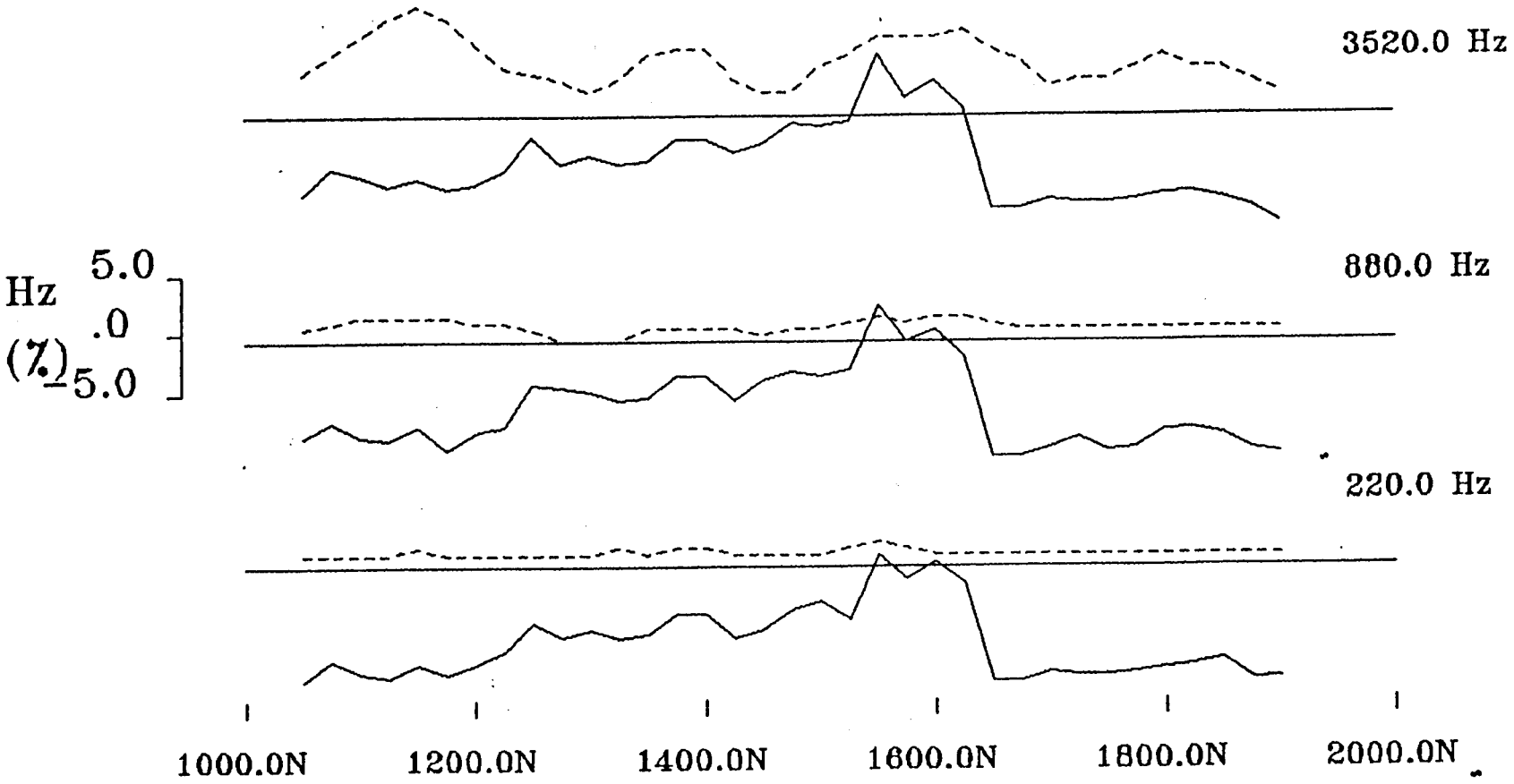
Coil spacing: 100.0 m



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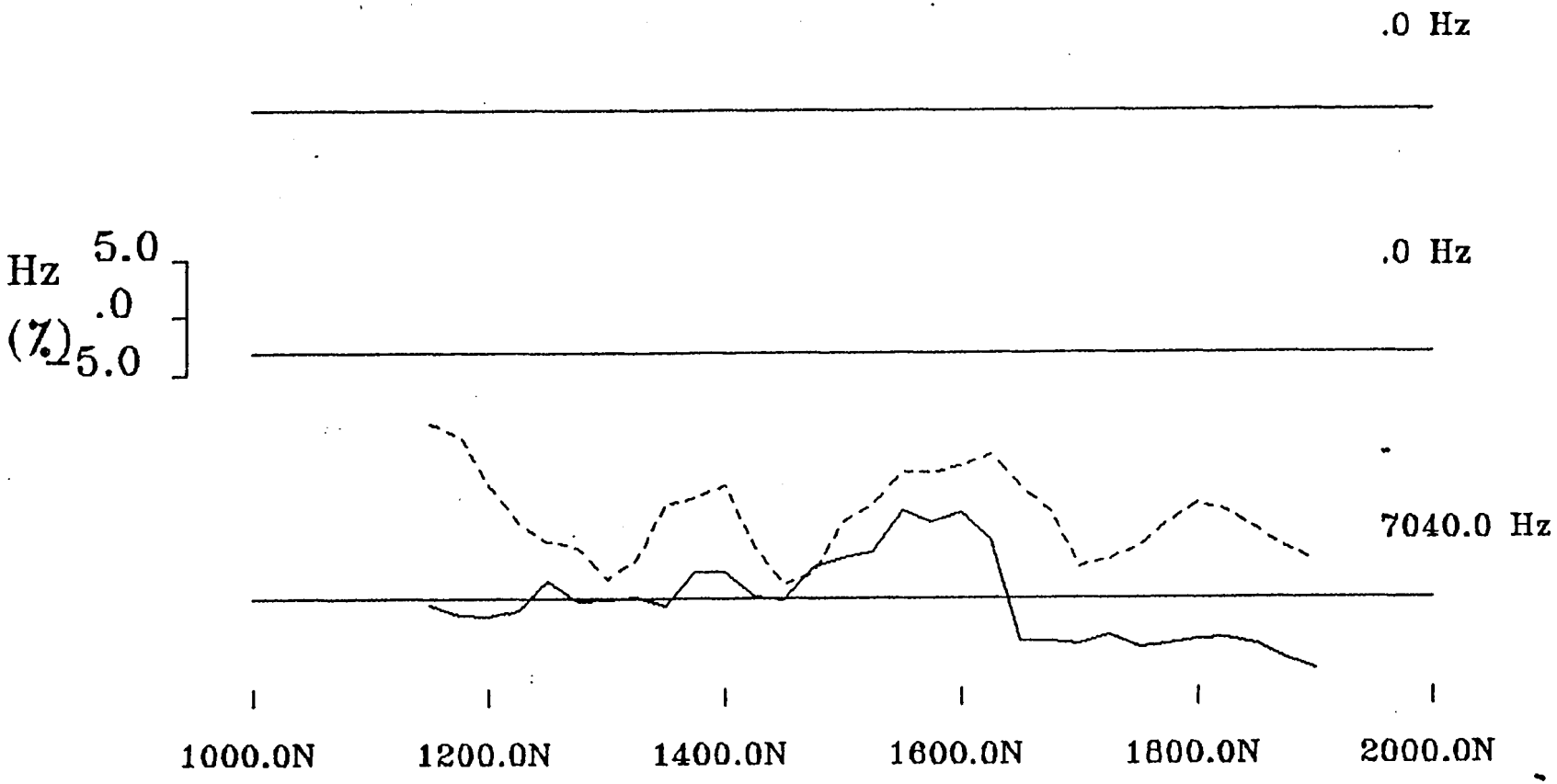
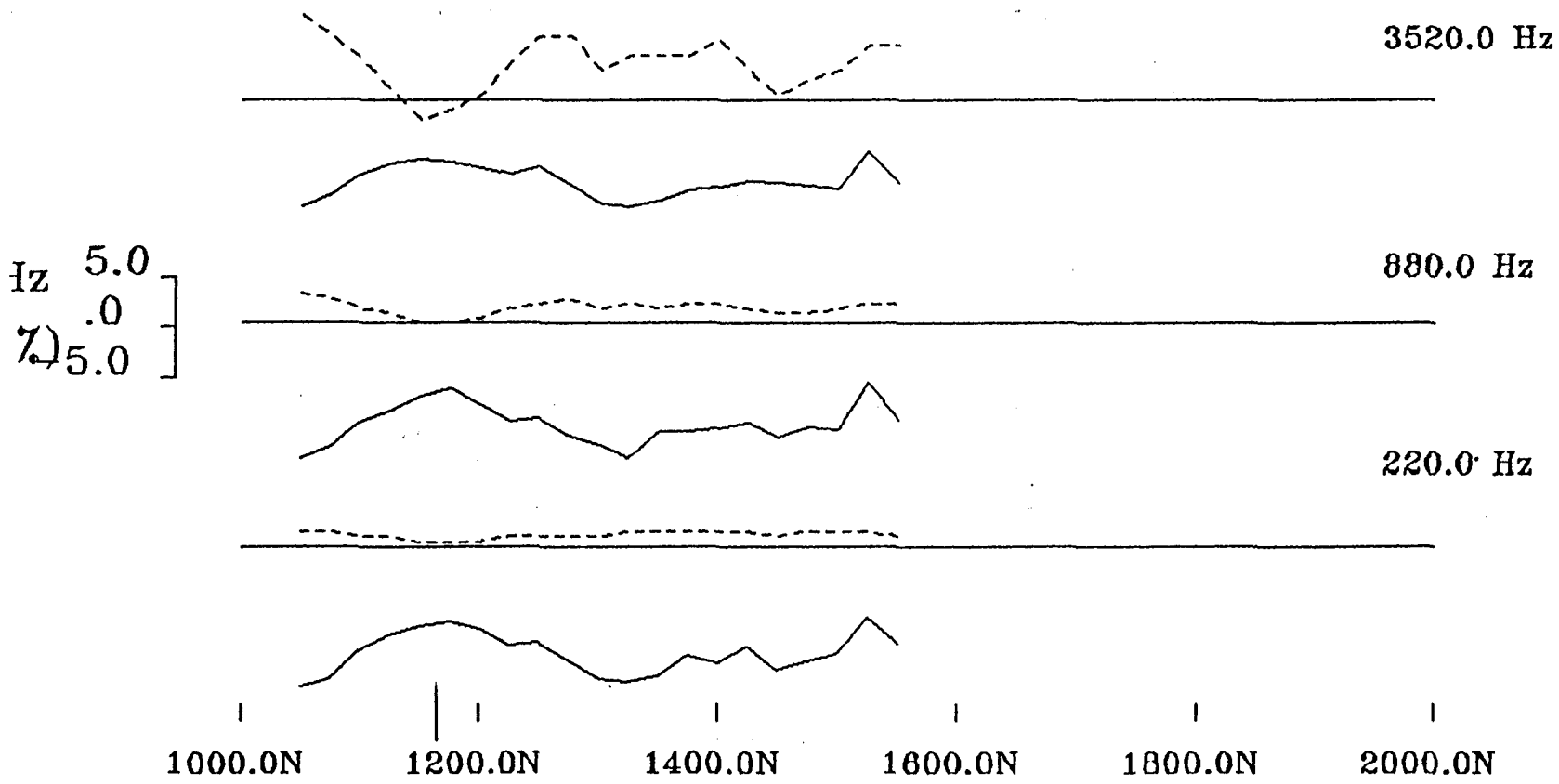
Coil spacing: 100.0 m



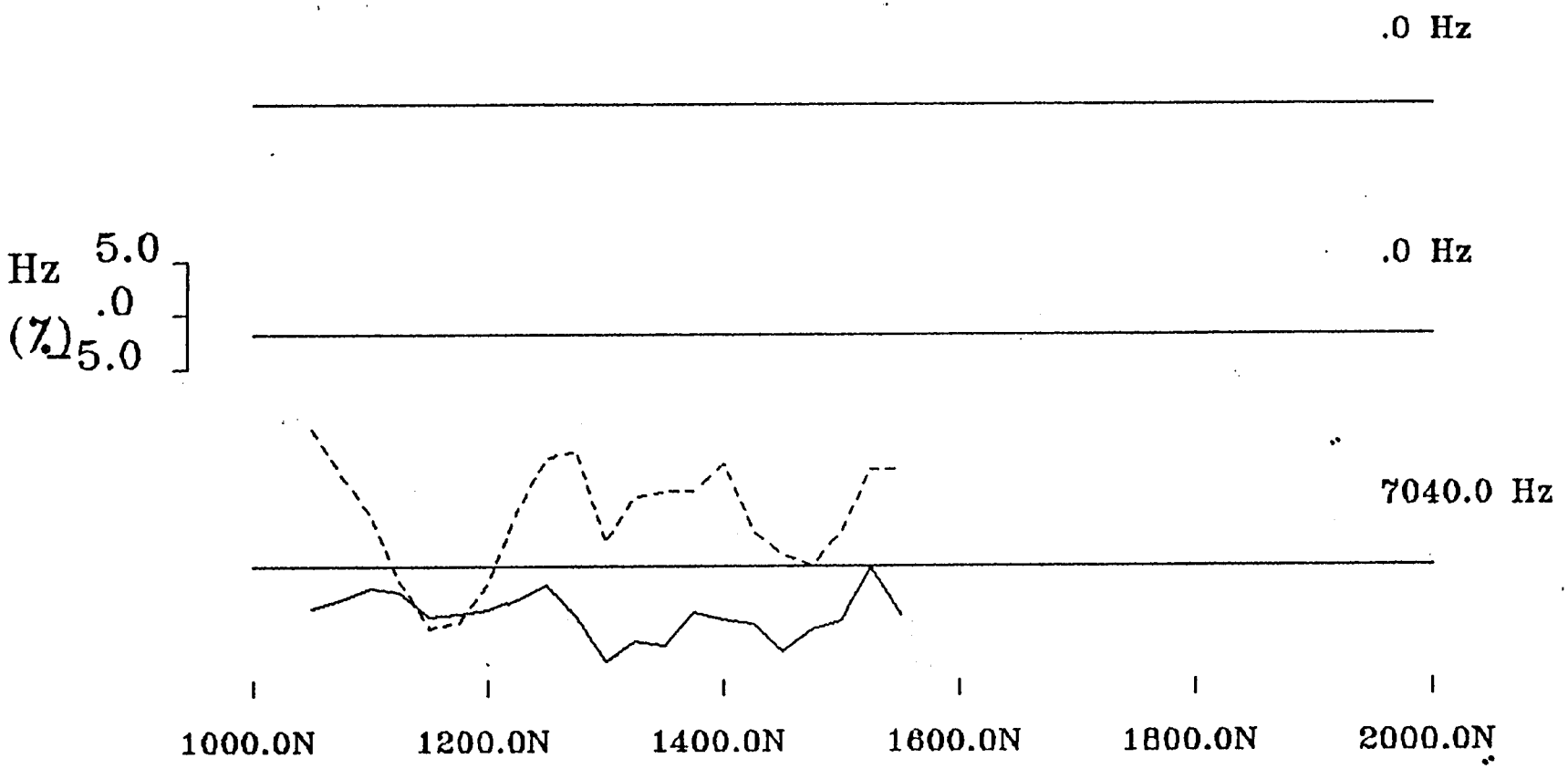
Line: 7000.0E

Coil spacing: 100.0 m



Line: 7000.0E

Coil spacing: 100.0 m



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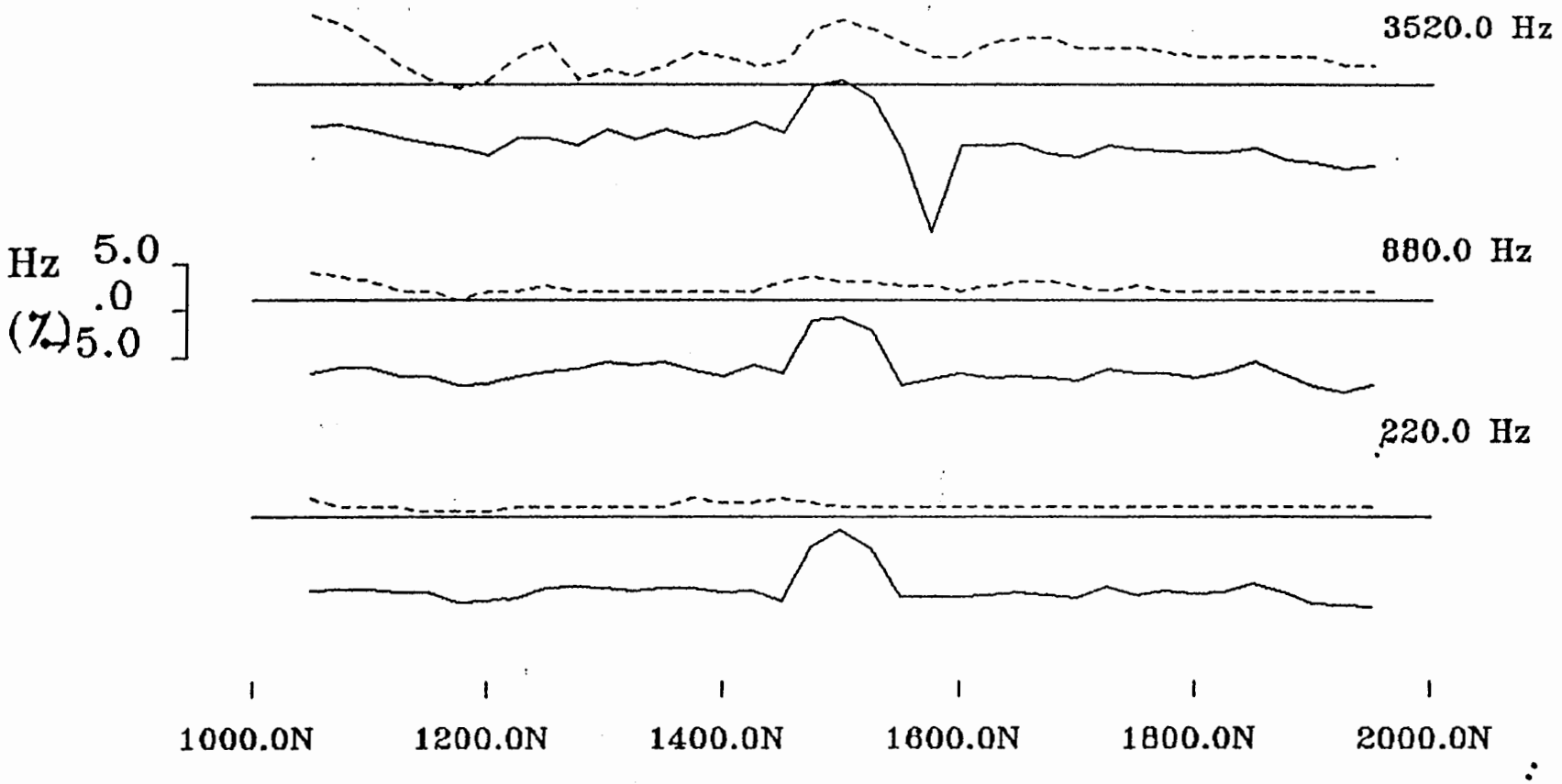
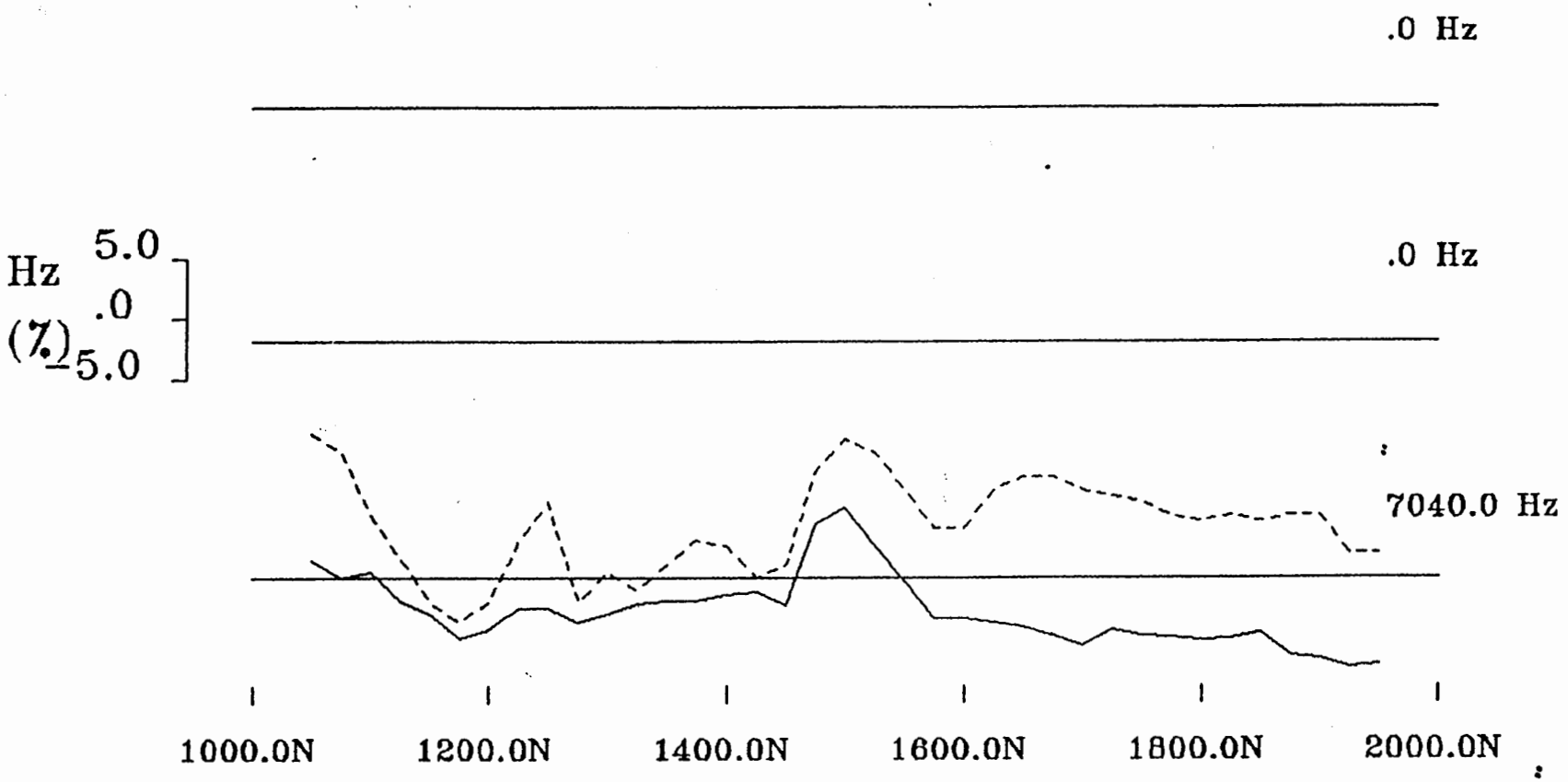
Coil spacing: 100.0 m



Line: 7100.0E

Coil spacing: 100.0 m



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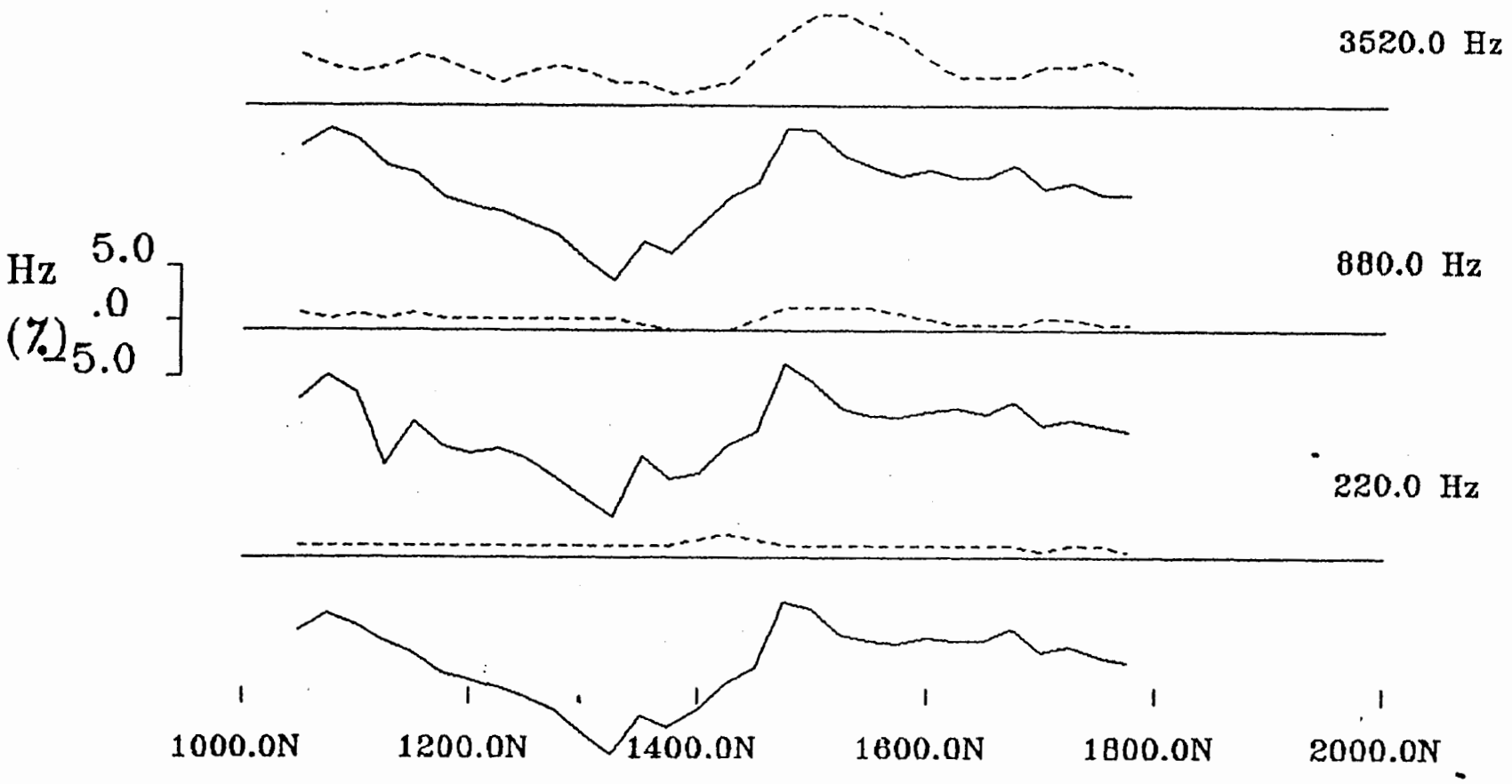
Coil spacing: 100.0 m



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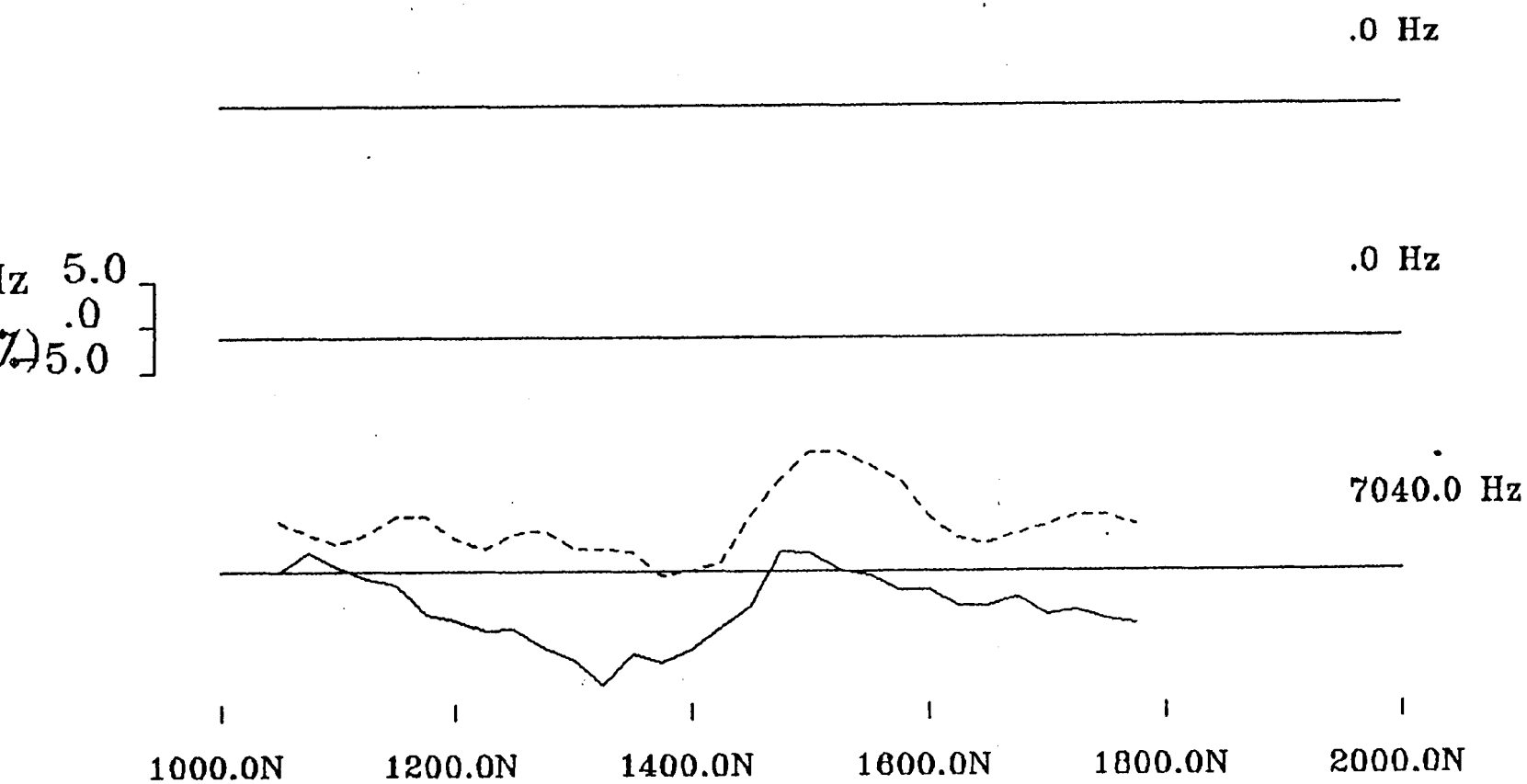

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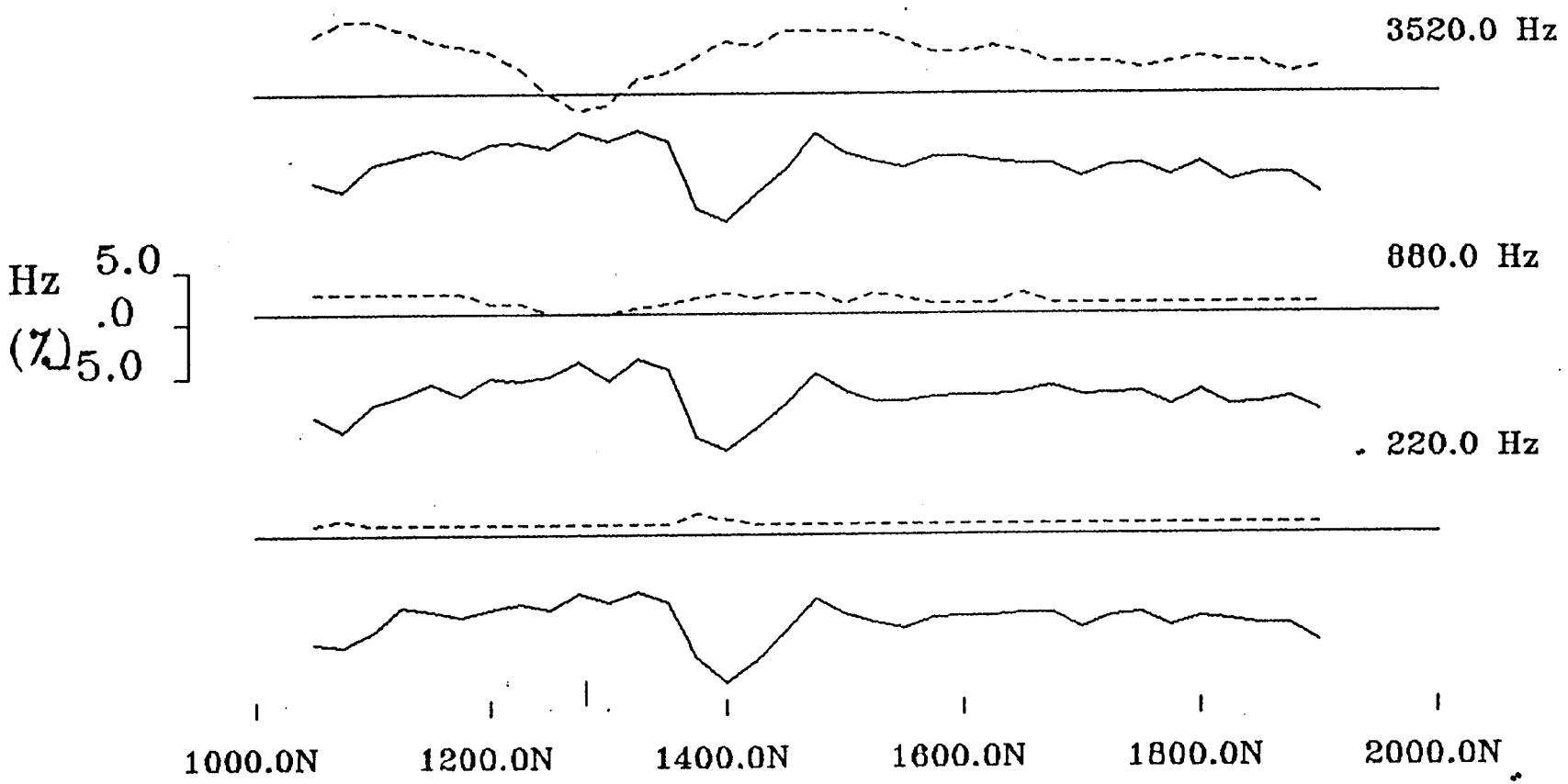

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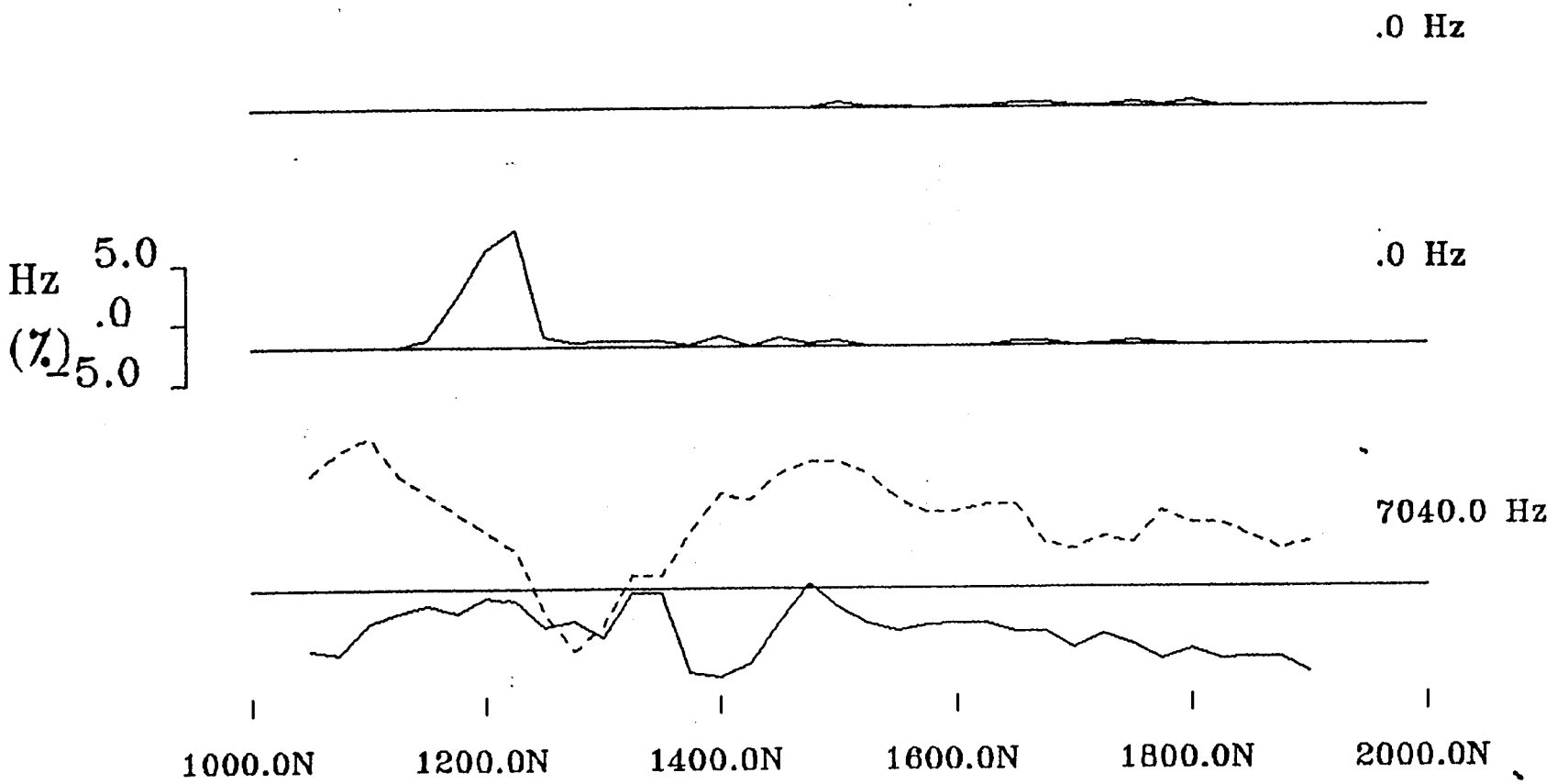
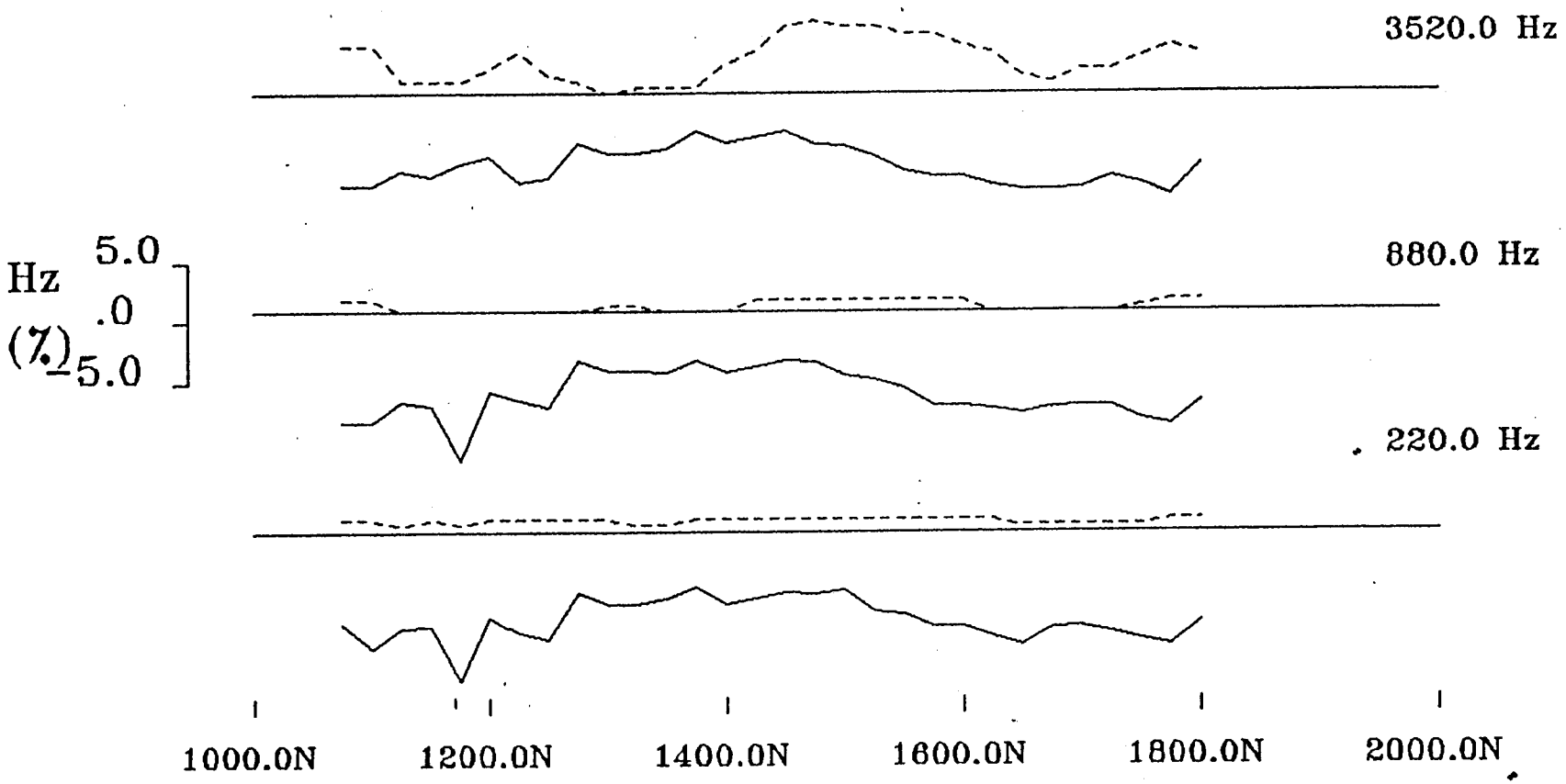


Line: 7400.0E

Coil spacing: 100.0 m



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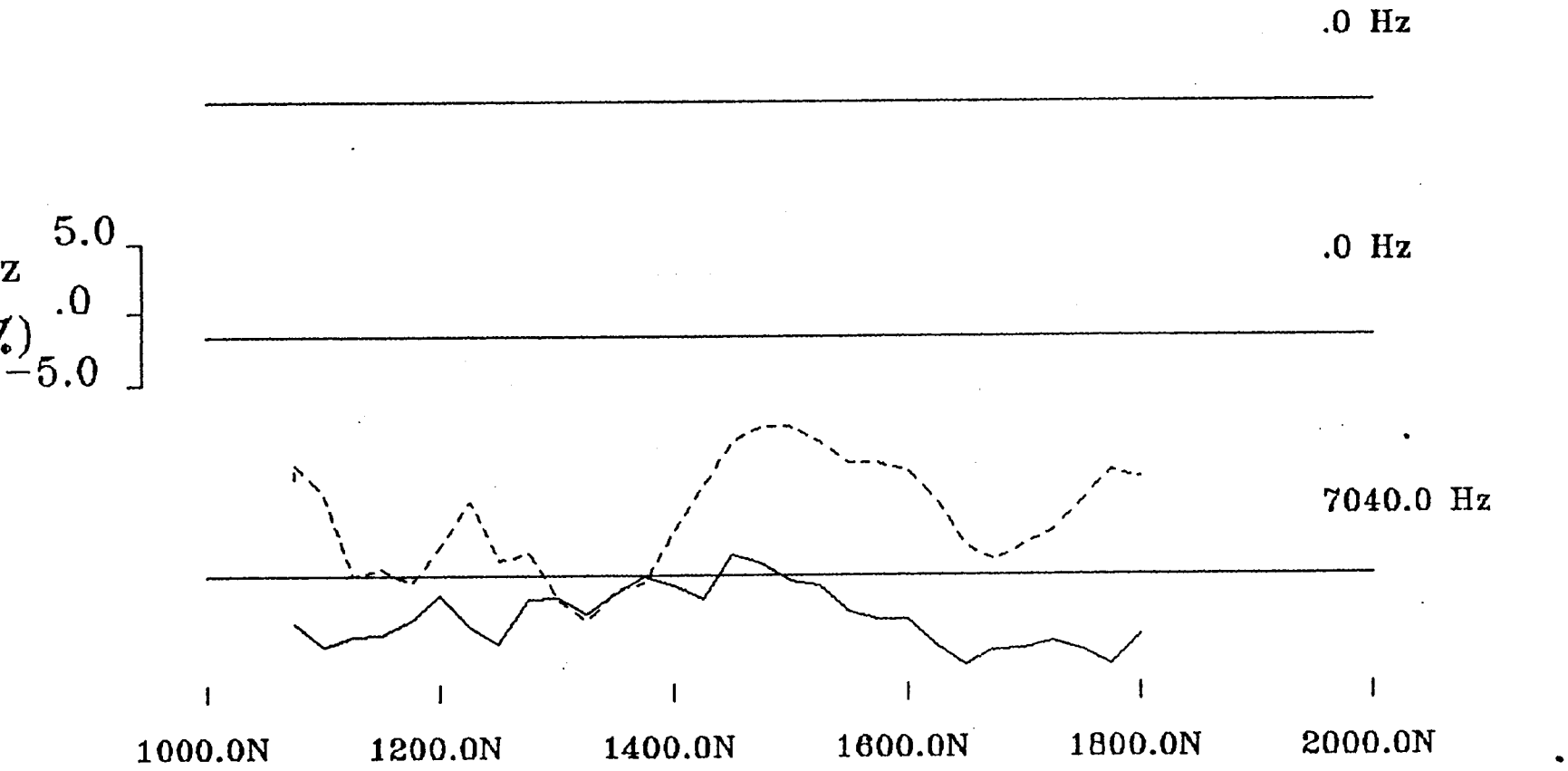
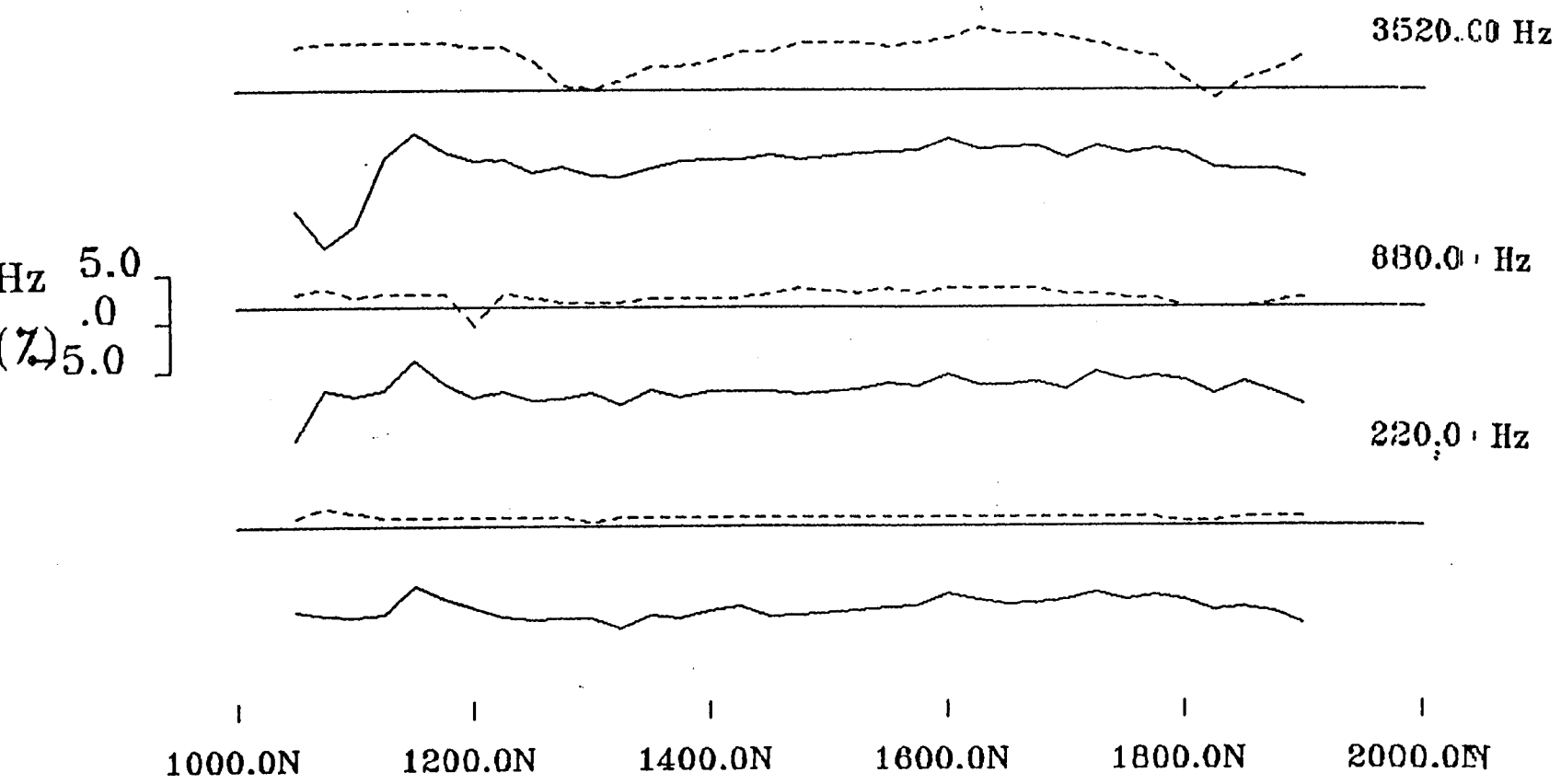


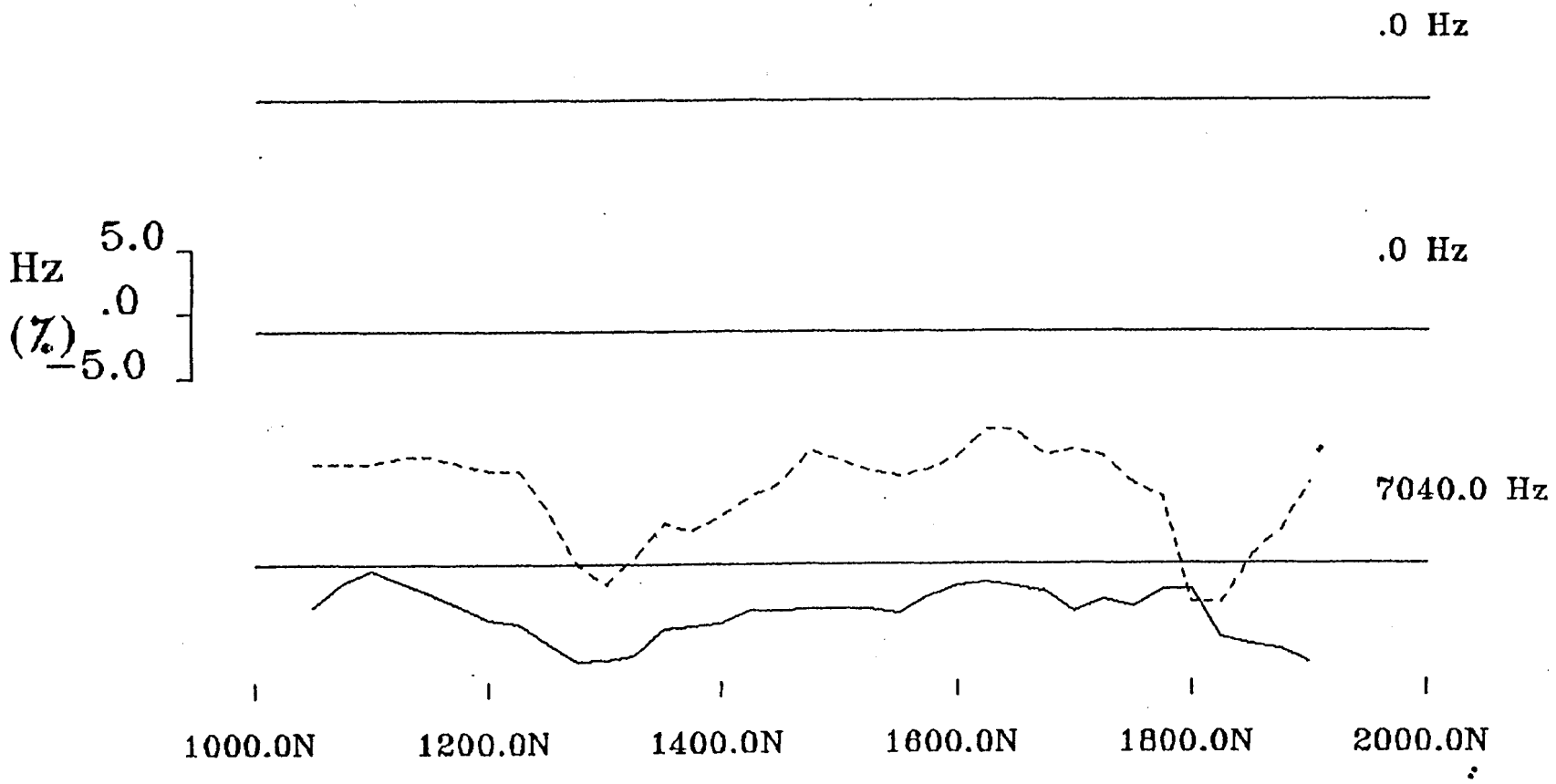
Line: 7500.0E

Coil spacing: 100.0 m



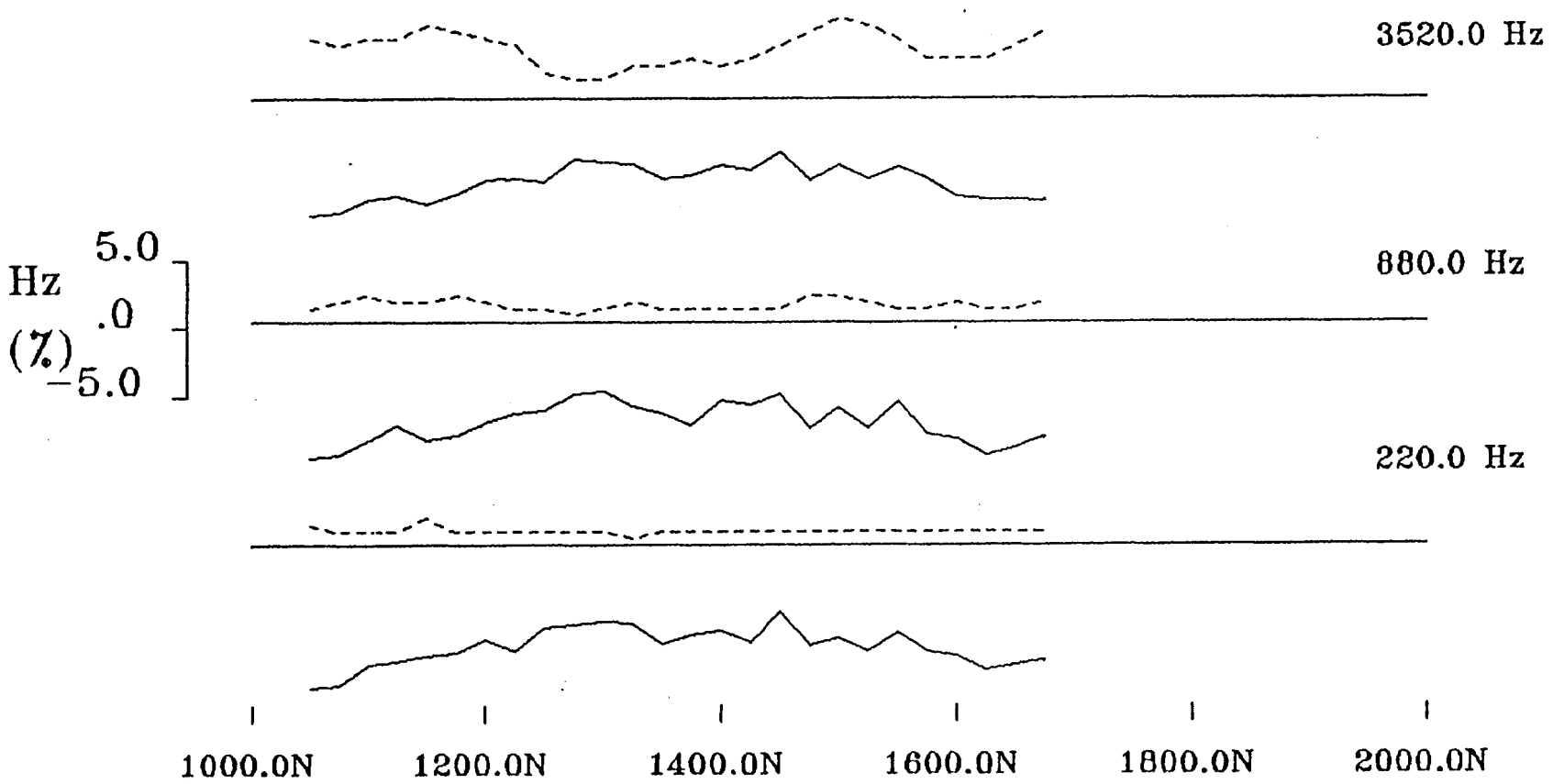
Line: 7500.0E

Coil spacing: 100.0 m



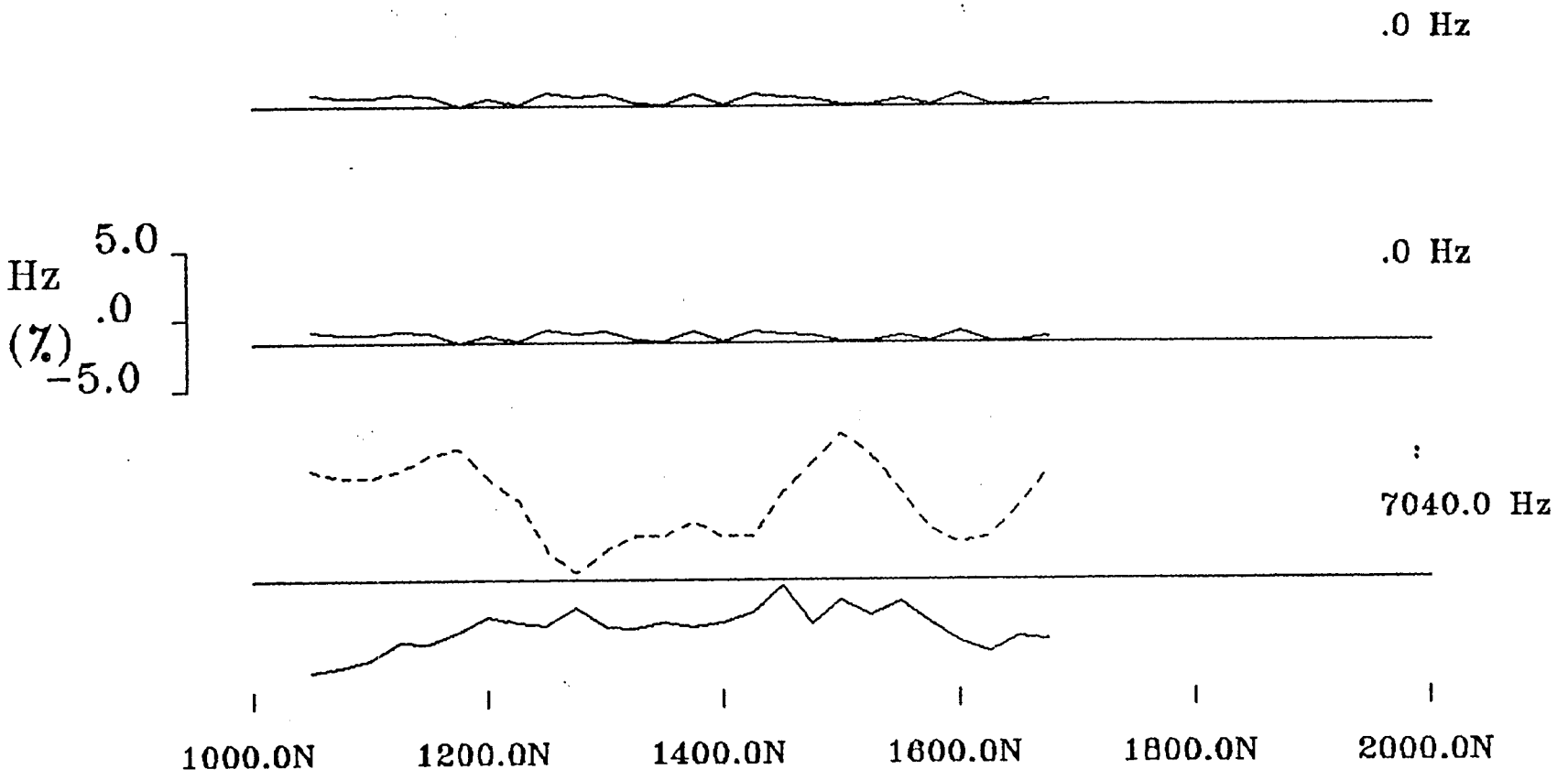
Line: 7600.0E

Coil spacing: 100.0 m



Line: 7600.0E

Coil spacing: 100.0 m



APPENDIX V

DIAMOND DRILL LOGS

PROJECT:	MATSON CREEK	PROPERTY:	BOR CLAIMS	HOLE:	MA-92-01	PAGE	1	OF	4
Coordinates:	73+00E 12+40N	Elevation:				Depth	Collar	153.0	
Date Started:	August 1, 1992	Date Completed:	August 4, 1992			Dip	-60°	-62°	
Final Depth:	153.01 m Core Size: HQ	Logged By:	K. Owerko			Azimuth	000°	—	

From - To (m)	Description	STRUCTURE So	STRUCTURE S1	STRUCTURE Depth	UNIT	VISUAL LOG	FROM (m)	TO (m)	WIDTH (m)	REC (%)	SAMPLE NO.	Zn (%)	Pb (%)	Cu (%)	Ag (g/t)	Au (ppb)
0-5.5	CASING															
5.5-11.53	QZ-SE-FE SHST (Felsic Flow)															
	-poorly laminated to porphyritic (where SE cont decreases)															
	-medium grey to creamy yellow (phenos)															
	-limonite staining from 5.5-7.5 m															
	-Mn-staining (dendrites on fractures)		83°	7.00												
	-FS phenocrysts ~2mm		88°	11.02												
	-QZ-55%, SE-30%, FS-15%															
11.53-13.32	QZ-SE-FS SHST (Felsic Tuff-Exhalite)						11.53	13.32	1.79		561171H	0.01	<0.01	<0.01	<0.03	1
	-dark grey															
	-laminated															
	-Mn-staining on fractures															
	-QZ-50%, SE-25%, FS-75%, PY-1%, GN-<<1%															
	-FS phenocrysts 2 mm (pink-creamy)															
13.32-19.66	QZ-SE SHST (Rhyolitic Tuff-Exhalite)						13.32	15.50	2.18		561172H	0.03	0.16	0.02	2.7	153
	-fine to coarse grained laminated						15.50	18.30	2.80		561173H	0.04	0.03	0.01	0.3	2
	-light grey, rusty bands from oxidization						18.30	19.66	1.36		561174H	0.06	0.16	0.12	5.5	13
	-LI in local areas ~2%															
	-Galena ~1% in some areas - very few assoc with SD - dissem.															
	-QZ-55%, SE-30%, SD-5%															
	-some local kink bands in foliation		88°	14.64												
	-Mn-staining		85°	19.94												
19.66-25.01	QZ-Bi-SE-FS- SHST (Felsic-Intermediate Flow)	80°	83°	22.41												
	-dark grey		75°	23.49												
	-porphyritic - Bi gives it a laminated appearance															
	-FS phenocrysts 2 mm wide and elongated to 1 cm															
	-QZ-50%, SE-20%, Bi-15%, FS-15, PY-<1%															
	-SD - Trace along some QZ sweats															

PROJECT:	MATSON CREEK	PROPERTY:				BOR CLAIMS					HOLE:	MA-92-01		PAGE	2	OF	4
From - To	Description	STRUCTURE			UNIT	VISUAL	FROM	TO	WIDTH	REC	SAMPLE	Zn	Pb	Cu	Ag	Au
(m)		So	S1	Depth		LOG	(m)	(m)	(m)	(%)	NO.	(%)	(%)	(%)	(g/t)	(ppb)
25.01-28.30	QZ-SE-FS SHST (Felsic Flow)						25.01	28.30								
	-light-medium grey with some lime green		85°													
	-limonite and Mn-staining															
	-porphyritic phenos aligned along foliation															
	-oxidized PY ~1-2%															
	-27.1-28.3 possible fault gouge (malachite and azurite 2-3%)															
	-QZ-60%, SE-30%, FS-10%															
28.30-38.70	QZ-SE-CL-SHST (Felsic-Intermediate Tuff)															
	-QZ-55%, SE-40%, CL-5%	76°	78°	31.10												
	-laminated		55°	32.96												
	-fine grained	75°	75°	35.79												
	-light greenish grey															
	-33.20-33.47 QZ sweat															
	-numerous kink bands in foliation															
38.70-47.80	QZ-SE-FS SHST (Felsic flow)		57°	40.63												
	-porphyritic															
	-medium grey, massive with phenocrysts		85°	45.34												
	-FS phenos - 2-3 mm wide, 10 mm long															
	-QZ-55%, SE-35%, FS-10%, PY<1%															
	-foliation kind band present															
47.80-75.55	QZ-SE-FS-BI-CL SHST (Felsic-Intermediate Tuff)		57°	50.90			51.43	53.41	1.98		561175H	0.01	0.01	<0.01	0.3	<1
	-creamy medium grey with zones of dark green and black		67°	52.40			53.41	55.77	2.36		561176H	0.01	0.01	<0.01	<0.3	5
	where CL and BI content is high		70°	53.95			55.77	58.22	2.45		561177H	0.01	0.01	<0.01	<0.03	1
	-porphyritic to coarsely bedded		68°	58.22			58.22	61.15	2.93		561178H	0.05	0.03	<0.01	0.3	<1
	-QZ phenocrysts are elongated parallel to foliation		73°	60.90												
	-QZ sweats are prominent in local areas with traces of SD		78°	67.66												
	-QZ-50%, SE-30%, CL-10%, BI-5%, FS-5%, PY-<1%, disseminated to		85°	72.24												
	discontinuous laminae - usually contain traces of disseminated GN															
	-CP found associated with PY and GN at 59.55 m															
	-BI and CL are found concentrated in <<1 m intervals															
	-64.00-64.26 m QZ vein															

PROJECT:	MATSON CREEK	PROPERTY:				BOR CLAIMS					HOLE:	MA-92-01		PAGE	3	OF	4
From - To (m)	Description	STRUCTURE			UNIT	VISUAL LOG	FROM (m)	TO (m)	WIDTH (m)	REC (%)	SAMPLE NO.	Zn (%)	Pb (%)	Cu (%)	Ag (g/t)	Au (ppb)	
		So	S1	Depth													
75.55-81.97	SE-QZ-CL-BI-SHST (Intermediate Flow)		68°	81.38													
	-medium grey to creamy green																
	-porphritic QZ phenos 1-2 mm																
	-LI-staining in fractures																
	-SE-50%, QZ-25%, CL-15%, BI-10%, PY <1%																
81.97-83.26	QZ-SE SHST (Rhyolitic Tuff Exhalite)	84°	86°				81.97	83.26	1.29		561179H	0.01	0.02	<0.01	<0.3	3	
	-fine grained laminated																
	-light grey																
	-slightly oxidized																
	-QZ-60%, SE-40%, GN<<1%, disseminated and discontinuous																
	-kink bands																
83.26-87.74	QZ-SE-BI-SD SHST (Felsic Tuff-Exhalite)		80°				83.26	85.95	2.69		561180H	0.03	0.04	<0.01	<0.3	2	
	-dark grey to creamy brown						85.95	87.74	1.79		561181H	0.10	0.11	0.01	<0.3	3	
	-laminated, poorly banded																
	-QZ-50%, SE-30%, BI-15%, PY <<1% , GN <<1%																
	-SE-5%, ground QZ sweats																
	-GN found in SD																
	-QZ foliaform sweats ~3%	78°	75°														
87.74-92.72	QZ-SE-FS SHST (Felsic Tuff)																
	-laminated																
	-fine grained																
	-grey to dark grey																
	-limonite on fracture																
	-QZ sweats cross foliation																
	-QZ-55%, SE-35%, FS-10%, PY< <1% (trace)																
92.72-112.36	CL-BI-QZ-CA SHST (Intermediate Flow)																
	-dark grey to green and black is dominant where biotite is rich																
	-very good porphyritic texture																
	-not oxidized		68°	98.15													
	-CL-60%, BI-20%, QZ-10%, CA-5%, PY-2-5%		70°	110.39													
	-PY is coarse grained, laminated to disseminated																
	-foliation and compositional bedding is very erratic 101.19-104.14																

PROJECT:	MATSON CREEK	PROPERTY:				BOR CLAIMS					HOLE:	MA-92-01		PAGE	4	OF	4
From - To (m)	Description	STRUCTURE			UNIT	VISUAL LOG	FROM (m)	TO (m)	WIDTH (m)	REC (%)	SAMPLE NO.	Zn (%)	Pb (%)	Cu (%)	Ag (g/t)	Au (ppb)	
		So	S1	Depth													
112.36-118.92	FS-SE-QB-BI SHST (Felsic-Intermediate Flow)																
	-dark grey to light green	88°	89°	112.40													
	-good porphyritic texture		60°	114.84													
	-littered with FS phenocrysts 2-3 mm		85°	117.92													
	-FS-40%, SE-25%, QZ-25%, BI-10%, PY - trace																
	-FS phenocrysts are aligned parallel to foliation																
118.92-133.81	QZ-SE-FS-BI SHST (Felsic - Intermediate Flow)		87°	119.32													
	-dark grey to creamy green																
	-porphyritic; phenos aligned parallel to foliation																
	-QZ-55%, SE-30%, FS-10%, BI-5%, PY ~1%, fine diss																
	-124.86-126.89 QZ-SE SHST-rich zone																
	-lamination is poor - more massive																
133.81-149.96	QZ-SE-CL-BI SHST (Intermediate Tuff)		86°														
	-laminated to banded																
	-greyish green																
	-QZ-45%, SE-25%, CL-20%, BI-10%, PY <1%, (coarse grained euhedral cubes)																
	-potassic alteration on some QZ sweats																
	-slightly calcareous																
149.96-153.01	QZ-CL-SE-BI SHST (Intermediate Tuff)		88°														
	-laminated, very fine laminae, good foliation																
	-dark greenish grey																
	-QZ-40%, CL-25%, SE-20%, BI-10%, CA-5%, PY ~1%																
153.01	EOH																

PROJECT:	MATSON CREEK	PROPERTY:	BOR CLAIMS	HOLE:	MA 92-02	PAGE	1	OF	7
Coordinates:	72+00E, 11+50.75N	Elevation:				Depth	Collar	185.1		
Date Started:	August 4, 1992	Date Completed:	August 5, 1992			Dip	-60°	-57°		
Final Depth:	185.1 m Core Size: HQ-30.48, NQ-185.1	Logged By:	R.C. Carne			Azimuth	000°			

From - To (m)	Description	STRUCTURE			UNIT	VISUAL LOG	FROM (m)	TO (m)	WIDTH (m)	REC (%)	SAMPLE NO.	Zn (%)	Pb (%)	Cu (%)	Ag (g/t)	Au (ppb)
		So	S1	Depth												
0.0-7.32	CASING								7.32							
7.32-9.18	QZ-SE-Bi SHST (Felsic Tuff)		77°						1.86							
	-dark grey banded, laminated, fine-grained															
	-Li-Mn stain on rock throughout															
	-oxidized 100%, leached 100%; boxwork after PY <1%															
	-QZ-60%, SE-35%, Bi-5%															
9.18-15.23	QZ-SE SHST (Felsic Tuff)								6.05							
	-chalky yellow to light grey or white															
	-laminated, fine-med grained															
	-QZ eyes up to 2 mm															
	-Li-Mn stain throughout															
	-oxidized 100%, leached 80%, (PY) <1%															
	-moderately fissile															
	-13.72-14.16 QZ-SE SHST		80°													
	-dark green to black															
	-Mn stain prominent															
15.23-25.97	FS-QZ-SE SHST (Intermediate to Felsic Flow)		89°						10.74							
	-dark grey, laminated; spotted texture															
	-QZ eyes 3-5 mm															
	-FS (plagioclase) phenocrysts, pink-white, 1-3 mm															
	-FS-50%, QZ-25%, SE-25%															
25.97-33.00	QZ-SE SHST (Rhyolitic Tuff)		77°						7.03							
	-medium grey to buff white, banded to laminated															
	-very siliceous															
	-quartz sweats 1-3 cm prominent															
	-minor FS phenos at base															
	-QZ-95%, SE-4%, FS-<1%															
	-partially oxidized; diss. PY 1-2%															

PROJECT:	MATSON CREEK	PROPERTY:	BOR CLAIMS	HOLE:	MA 92-02	PAGE	2	OF	7

From - To (m)	Description	STRUCTURE So	STRUCTURE S1	STRUCTURE Depth	UNIT	VISUAL LOG	FROM (m)	TO (m)	WIDTH (m)	REC (%)	SAMPLE NO.	Zn (%)	Pb (%)	Cu (%)	Ag (g/t)	Au (ppb)
33.00-47.80	QZ-FS-CL-SE SHST (Intermediate-Felsic Flow)	82°	76°				14.80									
	-med-dark grey, massive															
	-FS phenos avg 3-5 mm. long, up to 1 cm															
	-partially (50%) oxidized															
	-limonitic frx parallel to CA 34.00-40.75 m															
	-FS-30%, QZ-35%, CL-20%, SE-15%															
	-non-calcareous															
47.80-52.50	QZ-FS-SE SHST (Felsic Tuff)	82°	82°				4.70									
	-med-grey to creamy white; layered to laminated or flaser-bedded															
	-scattered zones of plag phenos to 3 mm, <30 cm wide															
	-scattered zones of quartz eyes to 4 mm, <10 cm wide															
	-sections <50 cm wide, very fine-grained, laminated QZ-SE SHST															
	-QZ-70%, FS-15%, SE-15%															
	-<1% PY, narrow (1-3 cm) sections up to 10% PY, usually with Fe-carbonate/QZ gangue															
	48.85-49.61 - QZ-SD-SE SHST (Exhalite)						48.85	49.61	0.76	96	561157H	0.09	0.10	0.01	0.3	<5
	-vaguely banded to massive in top half, banded (1-2 cm) QZ-SE and SD bottom half															
	-1-3% PY in QZ-SE, 5-10% PY in SD															
	-euhedral crystals GN (<1%) along So in massive (8 cm) SD-QZ interval near top															
52.50-53.46	QZ-SD-SE SHST (Felsic Tuff-Exhalite(?))	77°	70°				52.50	53.46	0.96	59	561155H	0.02	0.02	<0.01	0.3	<5
	-varicoloured dark grey to grey-white															
	-banded to finely laminated or flaser-bedded															
	-very fine-grained siliceous rock with Fe-carbonate layers (<4 cm) and streaky patches <2 mm thick															
	-<1% PY as disseminations along laminations															
	-QZ-85%, SD-10%, SE-5% or less															
53.46-53.79	SD-QZ-SE SHST (Exhalite)								0.33	59	561156H	0.30	0.30	<0.01	4.8	<5
	-tan-brown to yellow-brown															
	-finely laminated QZ-rich base to massive irregularly textured, SD-rich top half															
	-disseminated to laminated PY ~5%															
	-GN as 1-2 mm cubiform diss in SD and along PY lam., CP <1% dissem in SD															

PROJECT:	MATSON CREEK	PROPERTY:	BOR CLAIMS	HOLE:	MA 92-02	PAGE	3	OF	7

From - To (m)	Description	STRUCTURE			UNIT	VISUAL LOG	FROM (m)	TO (m)	WIDTH (m)	REC (%)	SAMPLE NO.	Zn (%)	Pb (%)	Cu (%)	Ag (g/t)	Au (ppb)
		So	S1	Depth												
53.79-62.19	QZ-SE-FS-CB SHST (Felsic Tuff)	75°	75°				8.40									
	-cream white to medium grey															
	-massive (streaky) to weakly laminated															
	-quartz eyes up to 4 mm															
	-~2% PY dissem, siderite clots up to 4 mm															
	-QZ-80%, SE-15%, FS-3%, CB-2%															
	-foliaform QZ up to 2 cm thick common															
62.19-65.80	QZ-SE SHST (Felsic Crystal Tuff)	83°	83°				3.61									
	-medium to dark grey															
	-massive with streaky, porphyritic texture															
	-quartz eyes up to 8 mm in rough segregations															
	-~1% PY dissem in SE-rich zones															
	-QZ-90%, SE-10%															
	-kink band folds at mid-interval															
65.80-75.62	QZ-SE-FS SHST (Felsic Tuff)		82°				9.82									
	-cream yellowish grey to dark grey															
	-massive to crudely laminated and streaky															
	-variable SE content, some sections up to 40% SE bands															
	-FS in 2-4 cm wide intervals															
	-QZ foliaform veins up to 4 cm, infrequent															
	-kink folds common															
	-SD-rich (30%), 69.95-71.30 m															
75.62-77.40	QZ-FS-SE-CL SHST (Intermediate to Felsic Tuff)						1.78									
	-grey to dark greenish grey															
	-banded to laminated massive irregular texture at base															
	-quartz eyes to 3 mm long, uncommon															
	-QZ-50%, FS-20%, SE-20%, CL-10%															
	-~1% PY															
77.40-78.09	QZ VEIN						0.69									
	-foliaform QZ vein															
78.09-79.09	QZ-FS-SE-CL SHST; SOS 75.62-77.40		83°				1.00									

PROJECT: MATSON CREEK PROPERTY: BOR CLAIMS HOLE: MA 92-02 PAGE 4 OF 7

From - To (m)	Description	STRUCTURE So	STRUCTURE S1	STRUCTURE Depth	UNIT	VISUAL LOG	FROM (m)	TO (m)	WIDTH (m)	REC (%)	SAMPLE NO.	Zn (%)	Pb (%)	Cu (%)	Ag (g/t)	Au (ppb)
79.09-80.55	QZ-SE-SD SHST (Felsic Tuff-Exhalite(?))	81°	86°				79.09	80.55	0.64	92	561153H	0.08	0.03	<0.01	0.3	<5
	-banded to laminated creamy yellow white to grey															
	-QZ eyes to 3 mm uncommon															
	-~1% PY															
80.55-80.81	SE-QZ-SE SHST (Exhalite)						80.55	80.81	0.26	92	561154H	0.42	0.28	0.02	1.4	5
	-massive to laminated															
	-yellow to brown grey (partially oxidized)															
	-QZ eyes in SD up to 2 mm															
	-SD-50%, QZ-35%, SE-10%, PY-5%															
	-PY as disseminations along laminations of very fine-grained quartz															
	-small (<1 mm) GN grains in SD															
80.81-82.09	QZ-SE-SD SHST (Felsic Tuff)		87°						1.28							
	-laminated grey to yellow-brown grey															
	-QZ-70%, SE-25%, SD-5%															
	-SD as small crystalline masses <2 mm															
	-PY <1%															
82.09-84.53	QZ-SE SHST (Felsic Tuff)								2.44							
	-dark to light grey, massive to vaguely banded	83°	83°													
	-quartz eyes to 4 mm, uncommon															
	-mostly massive fine-grained quartz with wispy laminae of SE															
	-QZ-85%, SE-15%															
	-PY ~1%															
84.53-106.21	QZ-SE-CL SHST (Intermediate to Felsic Tuff)								21.68							
	-massive to vaguely banded, medium to dark green-grey															
	-quartz eyes to 8 mm, common in 50-70 cm intervals															
	-some CL-rich zones, CL as wisps and discontinuous laminae															
	-QZ-80%, SE-15%, CL-5%	80°		88.00												
	-~3% SD near base as irregular masses, aligned along S1	78°	82°	93.57												
	-PY <1%		85°	99.67												
			78°	105.77												

PROJECT: MATSON CREEK PROPERTY: BOR CLAIMS HOLE: MA 92-02 PAGE 5 OF 7

From - To (m)	Description	STRUCTURE So	STRUCTURE S1	STRUCTURE Depth	UNIT	VISUAL LOG	FROM (m)	TO (m)	WIDTH (m)	REC (%)	SAMPLE NO.	Zn (%)	Pb (%)	Cu (%)	Ag (g/t)	Au (ppb)
106.21-109.43	QZ-FS-SE-CL SHST (Intermediate to Felsic Flow)								3.22							
	-massive to crudely banded															
	-brown grey to dark grey															
	-FS in 1-2 cm thick layers															
	-PY ~2%															
	-QZ-60%, FS-25%, SE-10%, CL-5%															
	-So folded by E-W trending, flat-lying, S-verging folds, overall effect is steep s-dip															
109.43-111.14	QZ-CL-FS SHST (Intermediate Tuff)								1.71							
	-massive to felted texture, crudely banded															
	-QZ-45%, CL-35%, FS-15%, SE-5%															
	-PY 1-2% as disseminations and authigenic cubes to 8 mm															
	-highest content of FS @ base, abrupt contact with underlying interval															
111.14-115.60	QZ-SE-FS-CL SHST (Intermediate-Felsic Tuff)	77°	74°						4.46							
	-laminated to massive banded texture, predominately laminated															
	-QZ-70%, SE-20%, FS-5%, CL-5%															
	-QZ as fine laminae and rare eyes to 3 mm															
	-SE as partings and thin (<5 mm) bands															
	-FS as eyes along So, especially @ base															
	-PY <1%															
	-abrupt basal contact															
115.60-129.87	QZ-SE SHST (Felsic (rhyolitic) Tuff)								14.27							
	-massive to finely banded															
	-pale creamy grey to medium grey, yellow-brown SE bands															
	-QZ-90%, SE-10%															
	-PY 1-2%															
		76°	76°	119.04												
		73°	78°	125.48												
		77°	77°	127.48												
129.87-133.36	QZ-SE-CL SHST (Felsic Tuff)	73°	73°						3.49							
	-creamy grey to medium grey															
	-massive with flaser texture to banded with coarse laiminae															
	-CL content variable, all sections have at least 1%															

PROJECT:	MATSON CREEK	PROPERTY:	BOR CLAIMS	HOLE:	MA 92-02	PAGE	6	OF	7

From - To (m)	Description	STRUCTURE So	STRUCTURE S1	STRUCTURE Depth	UNIT	VISUAL LOG	FROM (m)	TO (m)	WIDTH (m)	REC (%)	SAMPLE NO.	Zn (%)	Pb (%)	Cu (%)	Ag (g/t)	Au (ppb)
133.36-146.19	QZ-BI-FS-SE SHST (Intermediate Tuff)								12.83							
	-medium to dark grey, spotted texture (quartz eyes)															
	-massive to banded															
	-2-3% P4 as euhedral crystals to 4 mm															
	-non-magnetic															
	-QZ-60%, BI-25%, FS-10%, SE-5%															
	-biotite is very dark brown to black	75°		138.07												
	-FS eyes to 3 mm, most common at base of interval	76°		142.62												
	-basal contact gradational	78°		145.37												
146.19-152.26	CL-QZ-BI SHST (Intermediate Tuff)		65°						6.07							
	-medium to dark grey-green															
	-porphyritic QZ-CF layers to 4 cm interbanded with 3 mm to 15 cm CL-rich, very fine-grained layers															
	-poor recovery in CL-rich zone 149.96-151.49															
	-abrupt basal contact															
	-CL-65%, QZ-25%, BI-10%															
	-1-2% PY as 2-4 mm euhedral crystals															
152.26-177.32	QZ-SE-BI SHST (Felsic Flow)								25.06							
	-massive to vaguely banded or laminated															
	-QZ eyes to 3 mm (uncommon) throughout															
	-QZ-85%, SE-10%, BI-4%, FS-1%															
	-BI as speckled disseminations scattered thorughout most sections	85°	78°	169.47												
	-medium grey		72°	157.00												
	-some sections near base have QZ eyes to 8 mm		80°	163.47												
		76°	65°	172.67												
177.32-178.18	QZ-CL-BI-FS SHST (Intermediate Tuff)		78°						0.86							
	-felted QZ-CL rock with rare FS phenocrysts in 5-8 mm bands with wispy interlaminae of BI															
	-QZ-45%, CL-40%, BI-10%, FS-5%															
178.18-183.27	QZ-CL-FS-BI SHST (Intermediate Flow)		68°						5.09							
	-similar to above but for abundant FS phenocrysts to 4 mm (avg 2 mm)															
	-dark green-grey banded to laminated															
	-5-10 cm zones with abundant quartz eyes to 3 mm															
	-QZ-40%, CL-35%, FS-20%, BI-5%															

PROJECT:	MATSON CREEK	PROPERTY:	BOR CLAIMS	HOLE:	MA 92-02	PAGE	7	OF	7

From - To (m)	Description	STRUCTURE			UNIT	VISUAL LOG	FROM (m)	TO (m)	WIDTH (m)	REC (%)	SAMPLE NO.	Zn (%)	Pb (%)	Cu (%)	Ag (g/t)	Au (ppb)
		So	S1	Depth												
183.27-185.01	QZ-SE-FS-BI SHST (Felsic Tuff)	78°	73°						1.74							
	-variably massive to laminated															
	-creamy grey to medium grey															
	-compositionally variable															
	-minor FS-rich zones as 2 mm phenocrysts															
	-QZ eyes to 4 mm in some sections															
	-BI concentrated in 5-10 cm zones															
	-QZ-70%, SE-20%, FS-5%, BI-5%															
185.01	EOH															

PROJECT:	MATSON CREEK		PROPERTY:	BOR CLAIMS		HOLE:	MA 92-03		PAGE	1	OF	6			
Coordinates:	66+00E; 14+83.00N		Elevation:					Depth	Collar	151.49					
Date Started:	August 6, 1992		Date Completed:	August 9, 1992				Dip	-60°	-60.0°					
Final Depth:	151.49 m	Core Size: HQ-64.21; NQ-151.49	Logged By:	R.C. Carne				Azimuth	000°						

From - To (m)	Description	STRUCTURE			UNIT	VISUAL LOG	FROM (m)	TO (m)	WIDTH (m)	REC (%)	SAMPLE NO.	Zn (%)	Pb (%)	Cu (%)	Ag (g/t)	Au (ppb)
		So	S1	Depth												
0.0-3.66	CASING															
3.66-8.02	QZ-SE-SD SHST (Rhyolitic Tuff)		58°						4.36							
	-dense, massive to flaser-banded, creamy-grey															
	-SD (oxidized) as irregular, lenticular masses along S1															
	-SE as groundmass and laminar partings															
	-QZ-85%, SE-10%, SD-5%															
	-abundant LI-coated fractures															
8.02-10.88	QZ-SE-SD SHST (Rhyolitic Tuff - Exhalite)	65°	65°				8.02	10.88	2.86	86	561158H	0.03	0.31	0.03	1.00	<5
	-massive to laimated, creamy grey															
	-similar to above															
	-SD as 4 mm-2 cm bands with quartz eyes															
	-brown resinous mineral (SL?) as irregular masses and small euhedral grains in SD															
	-QZ-85%, SE-10%, SD-5%, PY 1-3% (leached)															
10.88-11.89	QZ VEIN								1.01							
	-foliaform quartz sweat															
11.89-13.41	QZ-SE-SD SHST (Rhyolitic Tuff - Exhalite)	66°	66°				11.89	13.41	1.52	94	561159H	0.01	0.31	0.02	0.70	<5
	-similar to previous, more laminated															
	-repititious QZ-SE/SD intervals															
	-SD 2 mm-2 cm															
	-brown mineral (SL?) mostly oxidized															
	-PY 1-3% (leached)															
	-QZ-90%, SE-5%, SD-5%															
13.41-14.94	QZ-SE-SHST (Rhyolitic Tuff - Exhalite)	68°	68°				13.41	14.94	1.53	94	561160H	0.01	0.32	0.01	1.00	<5
	-similar to above, more finely laminated															
	-rare 4 mm to 1.5 cm SD-rich intervals															
	-most SE-rich intervals (~1 cm) have SD matrix															
	-brown mineral (SL?) in 2 cm SD intervals															
	-QZ-80%, SE-15%, SD-5%															

PROJECT:	MATSON CREEK	PROPERTY:	BOR CLAIMS	HOLE:	MA 92-03	PAGE	2	OF	6

From - To (m)	Description	STRUCTURE So	STRUCTURE S1	STRUCTURE Depth	UNIT	VISUAL LOG	FROM (m)	TO (m)	WIDTH (m)	REC (%)	SAMPLE NO.	Zn (%)	Pb (%)	Cu (%)	Ag (g/t)	Au (ppb)
14.94-19.35	QZ-SE-SD SHST (Rhyolite Tuff)	68°	68°						4.41							
	-SOS above, SD decreasing															
	-QZ-80%, SE-17%, SD-3%															
	-hole went dry at base of interval															
19.35-23.64	QZ-SE-SD SHST (Rhyolite Tuff)	60°	60°						4.29							
	-banded to laminated															
	-brownish grey (oxidized at top) to medium grey															
	-50 cm gougy zone @ top															
	-SOS above, QZ-85%, SE-13%, SD-2%															
	-SD as clots <2 mm in SE-rich laminae															
23.64-25.91	QZ-SE-SD SHST (Rhyolite Tuff - Exhalite)	55°	55°				23.64	25.91	2.27	99	561161H	0.02	0.35	0.04	0.30	<5
	-SOS above, banded to laminated															
	-creamy-brownish grey to medium grey															
	-SL(?) - dark brown, brown streak															
	-SL(?) in ten 1-2 cm SD-rich intervals every 20-30 cm															
	-QZ-80%, SE-12%, SD-8%															
	-interval is non-pyritic															
25.91-29.57	QZ-SE SHST (Rhyolite Tuff)		70°						3.66							
	-creamy grey to brownish-creamy grey															
	-base of interval is gougy but intact															
	-QZ-55%, SE-45%															
	-delicately laminated															
29.57-36.85	QZ-SE SHST (Felsic Tuff)	67°	67°						7.28							
	-medium brown, laminated to thin banded															
	-QZ-50%, SE-50%															
36.85-37.45	QZ-BI-SE SHST (Intermediate Tuff)								0.60							
	-dark grey to black															
	-finely laminated															
	-Mn-stained															
	-QZ-60%, BI-30%, SE-20%															

PROJECT:	MATSON CREEK	PROPERTY:	BOR CLAIMS	HOLE:	MA 92-03	PAGE	3	OF	6

From - To (m)	Description	STRUCTURE So	STRUCTURE S1	STRUCTURE Depth	UNIT	VISUAL LOG	FROM (m)	TO (m)	WIDTH (m)	REC (%)	SAMPLE NO.	Zn (%)	Pb (%)	Cu (%)	Ag (g/t)	Au (ppb)
37.45-43.36	QZ-FS-SE SHST (Intermediate - Felsic Flow)		66°						5.91							
	-laminated at top to more massive down section															
	-creamy-brownish grey															
	-QZ-50% (matrix), FS-40% (phenocrysts to 4 mm), SE-10% (laminae)															
43.36-53.95	QS-SE-FS SHST (Felsic Tuff)								10.59							
	-laminated															
	-brownish grey to light-medium grey															
	-scattered intervals FS phenocrysts <3 mm															
	-scattered intervals PY 1-2% (<1 m wide)															
	-minor Bl in thin zones															
	-QZ-60%, SE-35%, FS-5%															
			56°	46.18												
			57°	48.95												
			60°	50.94												
53.95-63.90	QZ-SE-Bl SHST (Felsic Flow)		60°						9.95							
	-variably banded to massive															
	-ghostly quartz eyes 3-4 mm long															
	-Bl-rich zones (up to 5% as lath-like phenocrysts)															
	-Bl-SD zone 5 cm wide @ 58.75 m (alteration?)															
	-scattered FS phenocrysts <4mm near base															
	-QZ-65%, SE-30%, Bl-5%															
	-base of interval oxidized and sheared															
63.90-67.48	QZ-SE-Bl SHST (Felsic Tuff)								3.58							
	-brownish-grey (oxidized), gougy															
	-laminated to banded															
	-v. few quartz eyes <2 mm															
	-QZ-60%, SE-35%, Bl-5%															
67.48-68.59	QZ-SE-SD-FS SHST (Exhalite-Felsic Tuff)	60°	60°				67.48	68.59	1.11	80	561162H	0.38	0.29	0.05	0.70	<5
	-banded (flaser texture) creamy-grey (SD-FS rich) to brown with blue-green (QZ-SE rich)															
	0.4 - 2 cm bands															
	-QZ-40%, SE-40%, SD-15%, FS-5%															
	-PY <1%, GN <<1% (along QZ laminae)															

PROJECT:	MATSON CREEK	PROPERTY:	BOR CLAIMS	HOLE:	MA 92-03	PAGE	4	OF	6

From - To (m)	Description	STRUCTURE So	STRUCTURE S1	STRUCTURE Depth	UNIT	VISUAL LOG	FROM (m)	TO (m)	WIDTH (m)	REC (%)	SAMPLE NO.	Zn (%)	Pb (%)	Cu (%)	Ag (g/t)	Au (ppb)
68.59-80.01	QZ-FE-FS SHST (Felsic Tuff)								11.42							
	-banded to laminated, light creamy grey to medium grey															
	-few 2-3 mm FS phenocrysts in thin (<6 cm) rare intervals															
	-QZ-65%, SE-30%, FS-5%															
	-changes in S1 occur evenly and gradually		60°	69.04												
	-foliaform QZ Vein 76.75 m - 79.51 m		60°	72.24												
	-interval 79.57-80.01 has isoclinally folded S1		72°	74.68												
	-PY 1-2% disseminations, laminations of PY to 2 mm near base		56°	76.54												
80.01-83.21	QZ-SE-SD-BI-FS SHST (Exhalite?)						80.01	82.31	2.3	85	561163H	0.49	0.30	0.03	1.00	<5
	-creamy brown, brownish-grey to dark brown															
	-coarsely laminated to crudely banded															
	-bands of coarse matted sericite (white), fine yellow-brown sericite, dense quartz (blue) and crude															
	aggregates of brown biotite, creamy-yellow coarse siderite(?) and quartz															
	-minor white altered plagioclase															
	-10% barren foaliform QZ															
	-irregular <6 mmm euhedral segregations of PY encapsulation quartz and small euhedra of GN															
	-entire interval is folded by open to isoclinal small-scale macro-folds with subhorizontal axes															
	-QZ-40%, SE-35%, SD-15%, BI-8%, FS-2%															
	-PY 2-3%															
82.31-83.44	QZ-SE-SD SHST (Felsic Tuff - Exhalite)						82.31	83.44	1.13	100	561164H	0.13	0.03	0.02	0.30	<5
	-creamy yellow grey															
	-coarse SD-QZ bands 1-2 cm in QZ-SE SHST															
	-rare GN and SL in SD bands															
	-QZ-70%, SE-20%, SD-10%															
	-PY 2-3% as disseminations and discontinuous laminae															
83.44-95.82	QZ-SE-FS-BI SHST (Felsic - Intermediate Tuff)								12.38							
	-light grey to darker (medium) grey at base															
	-FS phenocrysts to 4 mm most common at top															
	-BI occurs near base		54°	84.58												
	-1-2% PY throughout, PY to 10% in narrow intervals		76°	91.42												
	-QZ-60%, SE-30%, FS-8%, BI-2%		54°	84.58												
			76°	91.42												

PROJECT:	MATSON CREEK	PROPERTY:	BOR CLAIMS	HOLE:	MA 92-03	PAGE	5	OF	6

From - To (m)	Description	STRUCTURE			UNIT	VISUAL LOG	FROM (m)	TO (m)	WIDTH (m)	REC (%)	SAMPLE NO.	Zn (%)	Pb (%)	Cu (%)	Ag (g/t)	Au (ppb)
		So	S1	Depth												
95.82-100.58	QZ-FS-CL-SE SHST (Felsic - Intermediate Flow)		55°						4.76							
	-QZ eyes to 2.5 cm across, in top 20 cm															
	-CL and FS-rich 98.16-99.06 m; FS and QZ phenocrysts to 3 mm															
	-QZ-50%, FS-20%, CL-15%, SE-15%															
	-SE-rich sections medium grey-green															
	-CL-rich sections dark grey-green															
100.58-124.05	QZ-SE-FS-BI SHST (Felsic - Intermediate Tuff)		64°	107.75					23.47							
	-buff to medium grey, laminated to thin banded		59°	110.70												
	-QZ-60%, SE-30%, FS-15%, BI-5%		64°	113.23												
	-1-2% PY throughout		74°	116.80												
			71°	121.00												
124.05-131.92	FS-QZ-CL-SE SHST (Intermediate Flow)								7.87							
	-massive to vaguely banded (by grain size)															
	-FS-50%, QZ-35%, CL-10%, SE-5%															
	-FS phenocrysts 1-4 mm		76°	127.71												
	-1% PY throughout		77°	131.06												
	-dark grey-green with pale FS phenocrysts															
131.92-140.44	QZ-SE SHST (Felsic Tuff - Rhyolitic Tuff)	72°	72°	133.80					8.52							
	-buff white to light-medium grey	75°	75°	138.13												
	-banded to laminated															
	-very minor scattered QZ phenocrysts to 4 mm															
	-QZ-80%, SE-20%															
140.44-146.16	QZ-SE-BI SHST (Felsic - Intermediate Tuff)		72°						5.72							
	-laminated to banded															
	-dark grey to greenish grey															
	->50% BI in 20 cm zone at 142.0 m															
	-QZ-60%, SE-30%, BI-10%															
	-~1% PY throughout															

PROJECT: MATSON CREEK PROPERTY: BOR CLAIMS HOLE: MA 92-03 PAGE 6 OF 6

From - To (m)	Description	STRUCTURE So	STRUCTURE S1	STRUCTURE Depth	UNIT	VISUAL LOG	FROM (m)	TO (m)	WIDTH (m)	REC (%)	SAMPLE NO.	Zn (%)	Pb (%)	Cu (%)	Ag (g/t)	Au (ppb)
146.16-151.49	QZ-SE SHST (Felsic - Rhyolitic Tuff)	74°	74°						5.33							
	-creamy white to light grey															
	-crudely banded to laminated or massive															
	-QZ-80%, SE-20%															
151.49	EOH															

PROJECT:	MATSON CREEK	PROPERTY:	BOR CLAIMS	HOLE:	MA 92-04	PAGE	1	OF	5
Coordinates:	64+00E, 15+00N	Elevation:				Depth	Collar	154.43		
Date Started:	August 9, 1992	Date Completed:	August 11, 1992			Dip	-60°	-60°		
Final Depth:	154.53 m Core Size: HQ-46.33; NQ-154.53	Logged By:	R.C. Carne/K. Owerko			Azimuth	000°	—		

From - To (m)	Description	STRUCTURE			UNIT	VISUAL LOG	FROM (m)	TO (m)	WIDTH (m)	REC (%)	SAMPLE NO.	Zn (%)	Pb (%)	Cu (%)	Ag (g/t)	Au (ppb)
		So	S1	Depth												
0.00-4.23	CASING															
4.23-16.92	QZ-SE SHST (Felsic to Rhyolitic Tuff)															
	-yellow-grey (oxidized) to light creamy grey or white															
	-entire interval is decomposed and oxidized - to a large degree the rock is intact although almost															
	reduced to mud in many sections															
	-QZ-80%, SE-20%															
	-laminated to thinly banded	88°	88°	5.00												
			76°	12.00												
16.92-19.35	QZ-SE SHST (Felsic to Rhyolitic Tuff)															
	-crushed zone at top and bottom		66°	16.98												
	-S1 contorted by kink bands		68°	18.02												
	-white to creamy-grey brown															
	-SOS above															
	-QZ-80%, SE-20%															
19.35-23.47	QZ-SE-FS SHST (Felsic Tuff - Exhalite?)	65°	65°				19.35	23.47	4.12		561165H	0.08	1.10	0.09	2.7	23
	-coarsely laminated															
	-quartz eyes to 6 mm															
	-coarse limonite bands to 1 cm thick															
	-anglesite-cerrusite after galena at 22.40 m															
	-QZ-60%, SE-20%, FS-20%															
	-PY (before oxidation) ~3-5%															
	-interval completely oxidized, partially leached															
23.47-31.62	QZ-SE-FS SHST (Felsic Tuff)		58°													
	-light grey, laminated															
	-QZ-65%, SE-20%, FS-15%															

PROJECT:	MATSON CREEK	PROPERTY:	BOR CLAIMS	HOLE:	MA 92-04	PAGE	2	OF	5

From - To (m)	Description	STRUCTURE So	STRUCTURE S1	STRUCTURE Depth	UNIT	VISUAL LOG	FROM (m)	TO (m)	WIDTH (m)	REC (%)	SAMPLE NO.	Zn (%)	Pb (%)	Cu (%)	Ag (g/t)	Au (ppb)
31.62-35.17	QZ-SE-FS SHST (Felsic Tuff - Exhalite)	59°	59°				31.62	33.68	2.06		561166H	0.03	0.71	0.04	1.7	2
	-laminated to banded, grey to yellow-grey						33.68	35.17	1.49		561167H	0.11	0.07	0.07	<0.3	<1
	-most of interval completely oxidized															
	-PY content originally 3-5% as disseminations and 5-10 mm laminae															
35.17-40.13	QZ-FS-BI-SE SHST (Intermediate Flow)															
	-massive to banded sections															
	-dark grey-green with oxidized brownish sections															
	-QZ-40%, FS-30%, BI-20%, SE-10%															
	-non-pyritic(?) - oxidized															
	-abrupt basal contact															
40.13-41.15	QZ-SE-FS-BI SHST (Felsic Tuff)	60°	60°													
	-greyish white to dark grey-brown															
	-dominantly QZ-SE rock with scattered FS phenocrysts; BI-rich 5 cm zone near centre															
	-QZ-65%, SE-25%, FS-7%, BI-3%															
	-<1% disseminated pyrite															
41.15-44.25	FS-QZ-BI SHST (Intermediate Flow)															
	-massive to banded, generally equigranular, sugary textured FS in fine groundmass															
	-very soft, decomposed rock															
44.25-52.88	QZ-SE-FS SHST (Felsic Tuff)	57°	66°													
	-laminated to thin banded															
	-greyish white to grey and brown tones (oxidized sections)															
	-QZ-65%, SE-20%, FS-15%															
	-FS as 2-4 mm phenocrysts along So															
52.88-54.36	SE-QZ-FS SHST (Felsic Flow)															
	-massive to banded	63°	50°													
	-dark grey-brown															
	-FS phenocrysts increasing in content and grain size (2-6 mm) in basal area															
	-Mn-stained on fractures															
	-SE-50%, QZ-35%, FS-15%															

PROJECT:	MATSON CREEK	PROPERTY:	BOR CLAIMS	HOLE:	MA 92-04	PAGE	3	OF	5

From - To (m)	Description	STRUCTURE			UNIT	VISUAL LOG	FROM (m)	TO (m)	WIDTH (m)	REC (%)	SAMPLE NO.	Zn (%)	Pb (%)	Cu (%)	Ag (g/t)	Au (ppb)
		So	S1	Depth												
54.36-66.60	QZ-SE-FS SHST (Rhyolitic - Felsic Tuff)		54°													
	-massive to crudely laminated															
	-greyish white to dark grey															
	-QZ-70%, SE-20%, FS-10%															
	-gets less siliceous to more sericitic towards the basal contact															
	-last 40 cm have FS phenocrysts 2-4 mm															
	-57.22-57.61 gougey area															
	-local areas of light brown colour where oxidized															
	-minor LI-staining on fractures		58°	65.40												
	-PY trace diss found in quartz eyes															
66.50-81.93	QZ-SE-FS SHST (Felsic Flow)	64°	55°													
	-porphyritic-massive															
	-dark grey, spotted white															
	-QZ-55%, SE-40%, FS-5%															
	-QZ found mainly as phenocrysts 2-6 mm with lesser in groundmass															
	-PY <1% - 1%															
	-local areas contain traces of BI	65°	60°	78.19												
81.93-89.70	QZ-SE-FS SHST (Felsic Tuff)															
	-laminated to poorly banded															
	-medium grey to creamy grey															
	-foliaform QZ sweats 2-6 cm															
	-QZ-60%, SE-35%, FS-5%															
	-trace of calcite															
	-~1% PY fine-grained disseminated															
	-83.88 small-scale fold hinge															
	-open fold															
	-fold axis 50% to core axis		33°	83.88												
			40°	85.85												
89.70-100.04	QZ-SE-CL-FS SHST (Intermediate Tuff)															
	-finely laminated, small sections with FS phenocrysts 2-5 cm															
	-dark grey and dark green															
	-QZ-45%, SE-30%, CL-15%, FS-10%															
	-lots of small-scale folds and visible fold hinges															
	-91.20-91.60 QZ vein															

PROJECT:	MATSON CREEK	PROPERTY:	BOR CLAIMS	HOLE:	MA 92-04	PAGE	4	OF	5

From - To (m)	Description	STRUCTURE So	STRUCTURE S1	STRUCTURE Depth	UNIT	VISUAL LOG	FROM (m)	TO (m)	WIDTH (m)	REC (%)	SAMPLE NO.	Zn (%)	Pb (%)	Cu (%)	Ag (g/t)	Au (ppb)
	-some CL-rich sections		35°	93.73												
			40°	96.90												
			78°	99.00												
100.04-116.10	QZ-SE-FS-CL SHST (Felsic - Intermediate Tuff)		80°													
	-coarsely laminated															
	-very siliceous															
	-white-light grey with greyish-green stringers/laminae															
	-QZ-65%, SE-30%, FS-5%, CL-5% in some areas															
	-poor recovery, broken up into discs															
116.10-124.65	QZ-SE-CL SHST (Intermediate Tuff)		73°													
	-massive to banded															
	-medium-grey to creamy green banded by white quartz with orangey-red stain															
	-QZ veins parallel to foliation, 3-6mm wide															
	-QZ-55%, SE-30%, CL-15%, PY <1% fine-grained disseminated															
124.65-129.72	CL-SE-BI-QZ-FS SHST (Intermediate Flow)		68°													
	-laminated to poorly banded, coarse, sugary															
	-dark green-black mottled with cream FS to dark-green banded with black near basal contact															
	-CL-45%, SE-30%, BI-10%, QZ-10%, FS-5%, PY <1% , disseminated to discontinuous laminae															
	-FS phenocryss 3-5 cm															
	126.12-126.20 massive magnetite with ~2% PY, MG 50% one local area															
129.72-145.37	QZ-SE, FS SHST (Felsic Tuff)															
	-massive to bedded		75°	130.40												
	-dark grey-green	83°	83°	133.15												
	-QZ-50%, SE-40%, FS-10%, PY ~1% disseminated to disc. laminae															
	-130.15 QZ Vein ~30 cm															
	-142.19-145.39 poor recovery, broken up - possible fault															
	-small QZ and FS sweats; 0.5-1.5 cm															

PROJECT:	MATSON CREEK	PROPERTY:	BOR CLAIMS	HOLE:	MA 92-04	PAGE	5	OF	5

From - To (m)	Description	STRUCTURE So	STRUCTURE S1	STRUCTURE Depth	UNIT	VISUAL LOG	FROM (m)	TO (m)	WIDTH (m)	REC (%)	SAMPLE NO.	Zn (%)	Pb (%)	Cu (%)	Ag (g/t)	Au (ppb)
145.57-149.18	QZ-SE-CL-FS SHST (Felsic - Intermediate Tuff)															
	-massive, fine-grained															
	-dark greyish-green															
	-QZ-50%, SE-40%, FS-5%, CL-5%, PY <1-1% disseminated															
	-beginning of interval is more massive and less siliceous than toward the end	80°	78°	148.20												
			70°	152.67												
149.18-154.53	QZ-SE SHST (Rhyolitic Tuff)						149.18	152.10	2.92	76.9	561168H	0.01	0.01	<0.01	<0.03	<1
	-banded 149.18-152.51, laminated 152.51-154.55						152.10	154.53	2.43	78.0	561169H	0.01	0.01	<0.01	<0.03	1
	-dark grey-creamy green	80°	78°	148.20												
	-QZ-60%, SE-35%, PY-1% disseminated to laminated; GN <1% intergrown with		70°	152.67												
	PY 154.00-154.30; CP-trace with GN															
	-149.38 fold hinge in QZ vein															
	-152.10 good clast formation of lapilli size															
	-152.10 SE increase causing well defined foliation															
	-153.57 kink band in foliation															
	-compositional layering appears to be parallel to foliation															
154.53	EOH															

PROJECT:	MATSON CREEK		PROPERTY:	BOR CLAIMS	HOLE:	MA 92-05	PAGE	1	OF	6
Coordinates:	65+00E, 14+95N		Elevation:				Depth	Collar	152.40	
Date Started:	August 12, 1992		Date Completed:	August 15, 1992			Dip	-60°	-62°	
Final Depth:	152.40 m	Core Size: NQ-42.98 m, HQ-152.40 m	Logged By:	K. Owerko			Azimuth	000°	—	

From - To (m)	Description	STRUCTURE So	STRUCTURE S1	STRUCTURE Depth	UNIT	VISUAL LOG	FROM (m)	TO (m)	WIDTH (m)	REC (%)	SAMPLE NO.	Zn (%)	Pb (%)	Cu (%)	Ag (g/t)	Au (ppb)
0-4.27	CASING															
4.27-8.45	QZ-SE SHST (Rhyolitic Tuff)															
	-buff to light grey															
	-coarsely laminated															
	-very silicious	78°	80°	8.40												
	-QZ-65%, SE-35%															
	-trace of oxidized PY laminae															
	-5% foliaform QZ															
	-strong basal contact 75°															
8.45-9.40	QZ-SE-FS SHST (Felsic Tuff)		63°													
	-dark grey has a phyllitic sheen from SE															
	-QZ-45%, SE-40%, FS-15%															
	-laminated															
	-minor LI-Mn-staining															
	-small bands of FS <<5%, .5 cm wide															
	-strong basal contact															
9.40-12.34	QZ-SE-FS SHST (Rhyolitic Tuff)															
	-buff to dirty light grey															
	-laminated to crudely banded															
	-minor oxidation of sulphides, no fresh sulphides present															
	-QZ eyes - 1 mm															
	-QZ-60%, SE-35%, FS-5%															
12.34-14.80	QZ-SE-FS SHST		55°				12.34	14.80	2.46	32	561182H	0.01	0.09	<0.01	1.0	5
	-laminated															
	-fine-grained															
	-10% oxide limonite															
	-possible fault gouge at 13.11															
	-very poor recovery															

PROJECT:	MATSON CREEK	PROPERTY:	BOR CLAIMS	HOLE:	MA 92-05	PAGE	2	OF	6

From - To (m)	Description	STRUCTURE So	STRUCTURE S1	STRUCTURE Depth	UNIT	VISUAL LOG	FROM (m)	TO (m)	WIDTH (m)	REC (%)	SAMPLE NO.	Zn (%)	Pb (%)	Cu (%)	Ag (g/t)	Au (ppb)
14.80-22.50	QZ-SE-SD-SHST (Rhyolitic Tuff)															
	-fine-grained laminated															
	-medium grey to creamy yellow		63°	16.06												
	-zones of darker and lighter grey - due to SE content		65°	18.10												
	-minor amounts of SD associated with quartz sweats	55°	55°	21.40												
	-LI-staining on fractures and minor amounts on cleavage planes															
	-QZ-55%, SE-40%, SD-5%															
	-no evidence of sulphides															
	-SE is altering to a creamy-yellow clay															
	-minor amount of potassic alteration at basal contact															
22.50-24.99	QZ-SE SHST (Rhyolitic Tuff)															
	-light grey to white with pink															
	-very silicous															
	-QZ-70%, SE-30%															
	-potassic alteration															
	-fine laminae to massive															
	-blocky															
24.99-29.57	QZ-SE SHST (Rhyolitic Tuff)		55°													
	-QZ-60%, SE-40%															
	-minor limonite staining on fractures															
	-10% foliaform QZ															
	-medium grey to creamy yellow															
	-SE is altering to clay															
29.57-31.35	QZ-SE-SD SHST (Rhyolitic Tuff - Exhalite)	80°	80°				29.57	31.35	1.78	92	561183H	0.01	0.08	<0.01	0.7	8
	-QZ-60%, SE-35%, SD-5%, GN <<1% in QZ sweat															
	-crudely banded															
	-medium grey with buff zones															
	-1% limonite banding <1 mm wide															
	-areas containing vuggy texture															

PROJECT:	MATSON CREEK	PROPERTY:	BOR CLAIMS	HOLE:	MA 92-05	PAGE	3	OF	6

From - To (m)	Description	STRUCTURE So	STRUCTURE S1	STRUCTURE Depth	UNIT	VISUAL LOG	FROM (m)	TO (m)	WIDTH (m)	REC (%)	SAMPLE NO.	Zn (%)	Pb (%)	Cu (%)	Ag (g/t)	Au (ppb)
31.35-33.00	QZ-SE-SD SHST (Rhyolitic Tuff - Exhalite)	55°	55°				31.35	33.00	1.65	91.8	561186H	0.01	0.25	0.01	1.0	4
	-QZ-60%, SE-35%, SD-5%, GN <<1%, anglesite <<1%															
	-SOS above															
	-anglesite found in altered QZ															
	-GN assoc with QZ, disseminated to discontinuous laminae															
33.00-34.48	QZ-SE-SD SHST (Rhyolitic Tuff - Exhalite)	55°	55°				33.00	34.48	1.48	70	561184H	0.01	0.30	0.08	1.0	5
	-QZ-60%, SE-35%, SD-5%															
	-oxidized laminae 1-6 mm wide															
	-crudely banded															
34.48-47.85	QZ-SE SHST (Rhyolitic Tuff)		60°	36.10												
	-QZ-65%, SE-35%, PY <<1% disseminated	90°	85°	39.62												
	-good banding															
	-compositional layering is well defined															
	-buff to dark grey															
	-~5% foliaform QZ															
47.85-55.26	QZ-SE SHST (Rhyolitic Flow)		64°	49.16												
	-good porphyritic texture		80°	53.00												
	-QZ eyes to 3 mm															
	-QZ-70%, SE-30%, PY <<1%															
	-phenocrysts are aligned to foliation															
	-~5% foliaform QZ															
	-54.84-55.26 SE-altered to clay - very incompetent															
55.26-58.80	QZ-SE-FS SHST (Felsic Flow)															
	-dark greyish-green to rusty brown															
	-QZ-50%, SE-30%, FS-20%, PY <1%															
	-white QZ veins present 2-15 cm															
	-very oxidized and altered															
	-porphyritic															
	-QZ phenocrysts <1-2 mm															

PROJECT:	MATSON CREEK	PROPERTY:	BOR CLAIMS	HOLE:	MA 92-05	PAGE	4	OF	6

From - To (m)	Description	STRUCTURE			UNIT	VISUAL LOG	FROM (m)	TO (m)	WIDTH (m)	REC (%)	SAMPLE NO.	Zn (%)	Pb (%)	Cu (%)	Ag (g/t)	Au (ppb)
		So	S1	Depth												
58.80-61.00	QZ-SE SHST (Rhyolitic Tuff - Exhalite)		75°				58.8	61.00	2.20	54	561185H	0.18	0.03	0.01	0.3	4
	-dark grey to a majority of rusty brown															
	-laminated Fe-oxides ~5%															
	-QZ-55%, SE-45%, PY ~1%															
	-<5% foliaform QZ															
	-LI-stained															
61.00-64.18	QZ-SE-FS SHST (Felsic Flow)		65°													
	-porphyritic															
	-light grey to creamy yellow															
	-QZ-60%, SE-35%, FS-5%															
	-QZ phenocrysts 4-6 mm															
	-FS found around QZ sweats															
	-minor amount of limonite staining															
64.18-69.65	QZ-SE-FS-CL SHST (Felsic - Intermediate Tuff)		85°													
	-laminated to massive															
	-dark grey to buff															
	-QZ-50%, SE-30%, FS-15%, CL-5%, PY <1% diss-disc laminae															
	-QZ sweats are broken up in a clay matrix															
69.65-79.68	QZ-SE-CL-FS-BI SHST (Felsic - Intermediate Flow)		86°													
	-dark greyish-green black-green where BI content is high															
	-FS phenocrysts 1-5 mm pink															
	-~5% QZ foliaform 1 cm															
	-more felsic at beginning of interval and gets more mafic to end															
	-QZ-40%, SE-30%, CL-10%, BI-10%, FS-10%, PY 1% diss															
	-some potassic alteration of QZ sweats															
	-sharp basal contact															
79.68-81.71	QZ-FS-SE SHST (Felsic Flow)															
	-porphyritic looks very similar to the QFP found @ surface															
	-medium grey to dark grey															
	-coarse grained															
	-phenocrysts QZ & FS 2-5 mm															
	-no defined foliation															

PROJECT:	MATSON CREEK	PROPERTY:	BOR CLAIMS	HOLE:	MA 92-05	PAGE	5	OF	6

From - To (m)	Description	STRUCTURE			UNIT	VISUAL LOG	FROM (m)	TO (m)	WIDTH (m)	REC (%)	SAMPLE NO.	Zn (%)	Pb (%)	Cu (%)	Ag (g/t)	Au (ppb)
		So	S1	Depth												
81.71-87.93	QZ-SE-CL-BI SHST (Intermediate Flow)		78°													
	-dark grey to medium green															
	-crudely banded to porphyritic															
	-QZ-50%, QZ-50%, SE-20%, CL-20%, BI-10%															
	-1-1.5 cm QZ sweats															
	-CL forms globs (lenses)															
	-sharp top contact															
87.93-104.34	QZ-SE-CL-BI SHST (Intermediate Tuff)		73°													
	-dark green to grey															
	-massive to finely laminated															
	-QZ-40%, SE-15%, CL-20%, BI-15%, PY <<1% diss fine-grained															
	-94.71-95.40 QZ vein with potassic alteration															
	-QZ foliaform <1.25 cm wide															
	-BI contact varies															
104.34-119.79	QZ-SE-FS SHST (Felsic Flow)		75°	105.61												
	-finely laimated		77°	118.07												
	-greyish green															
	-FS are mostly confined to thin bands															
	-QZ-50%, SE-40%, FS-10%															
	-kink band in foliation @ 117.76															
119.79-125.20	CL-QZ-SE-BI-FS (Intermediate Flow)		88°													
	-dark green spotted white															
	-porphyritic															
	-CL-45%, QZ-30%, SE-15%, BI-5%, FS-5%, PY <<1%															
	-QZ phenocrysts appear to be potassic altered															
	-sharp basal contact															

PROJECT: MATSON CREEK PROPERTY: BOR CLAIMS HOLE: MA 92-05 PAGE 6 OF 6

From - To (m)	Description	STRUCTURE So	STRUCTURE S1	STRUCTURE Depth	UNIT	VISUAL LOG	FROM (m)	TO (m)	WIDTH (m)	REC (%)	SAMPLE NO.	Zn (%)	Pb (%)	Cu (%)	Ag (g/t)	Au (ppb)
125.20-125.50	QZ-SE-FS SHST (Felsic Flow)		86°													
	-grey to medium green															
	-porphyritic to massive															
	-QZ phenocrysts are pink															
	-~5% folioform QZ															
	-<<1% PY fine-grained diss															
135.50-152.40	QZ-SE-FS SHST (Felsic - Intermediate Flow)		80°													
	-dark grey - dark green															
	-porphyritic to massive															
	-QZ phenocrysts - .5-1 cm some have notable pressure shadows															
	-Mn-staining on fractures															
	-QZ sweats are pink - altering to potassium															
	-FS is found in small bands															
152.40	EOH															

VI

ARCHER, CATHRO
& ASSOCIATES LIMITED

CONSULTING GEOLOGICAL ENGINEERS

VANCOUVER, B.C. (604) 688-2568

BOX 4127, WHITEHORSE, Y.T. Y1A 3T9 (403) 667-4415

1016 - 510 WEST HASTINGS STREET
VANCOUVER, B.C. V6B 1L8

AFFIDAVIT

I, Joan Mariacher, of Vancouver, B.C. make oath and say:

That to the best of my knowledge the attached Statement of Expenditures for exploration work on the Bor 1-16 and 21-62 mineral claims on Claim Sheet 115N/10 is accurate.

Joan Mariacher

Sworn before me at Vancouver, B.C.

this 24th day of

February, 1993

093099

Notary, Yukon Territory

Statement of Expenditures
Bor 1-6, 21-62 Mineral Claims
February 23, 1992

Contract Diamond Drilling

E. Caron Diamond Drilling Ltd.	$68,372.00

E. CARON DIAMOND DRILLING LTD. 7 Roundel Road Whitehorse, Yukon Y1A 3H3 Phone (403) 668-2424 FAX (403) 668-4520

August 18, 1992
Invoice #3000
Drill: #5

IN ACCOUNT WITH:

Archer, Cathro & Associates (1981) Ltd.
3125 Third Avenue,
Box 4127,
Whitehorse, Yukon
Y1A 3S9

Sept 4/92
#171

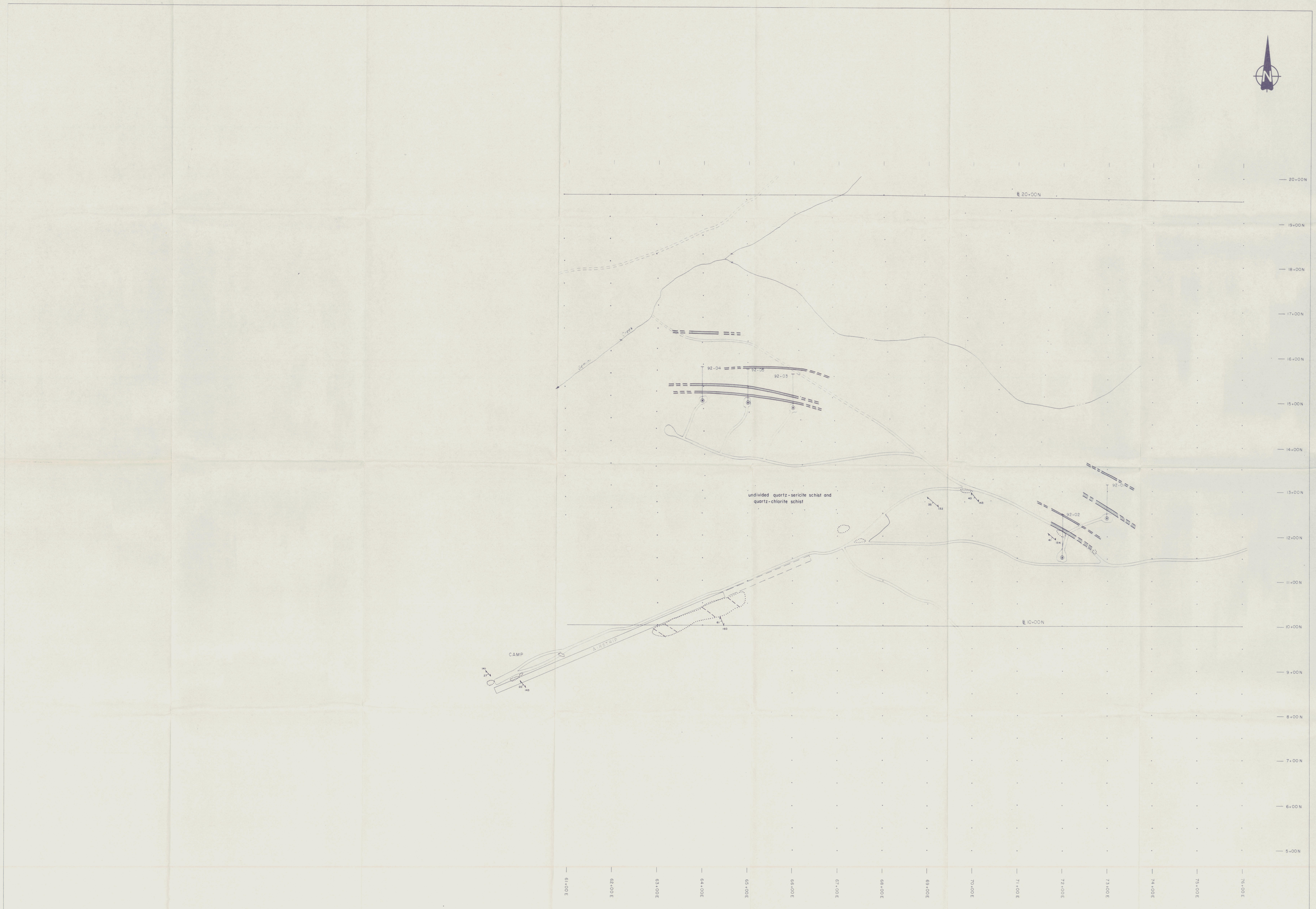
Drilling Charges August 1 to 18, 1992 (Matson Creek)

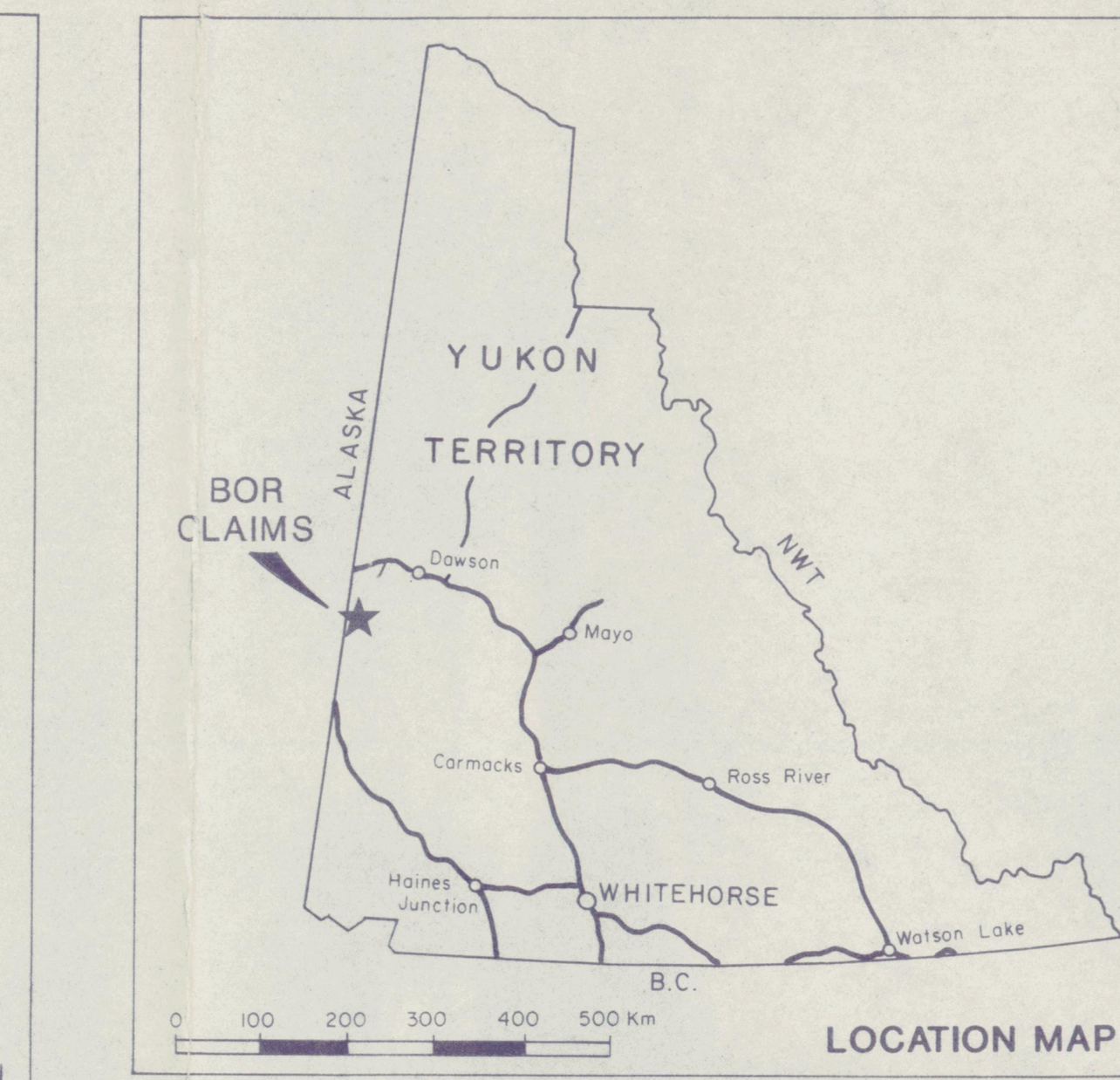
Hole:#92-1/60/HQ					
Moving					
23.5 man hrs.	@ $33.00 per hr.	=		$ 775.50	
Waterline					
9 man hrs.	@ $33.00 per hr.	=		$ 297.00	
Casing					
0 - 18 = 18 ft.	@ $24.00 per ft.	=		$ 432.00	
Coring					
18 - 502 = 484 ft.	@ $24.00 per ft.	=		$11,616.00	$13,120.50
Hole:#92-2/55/HQ-NQ					
Reducing					
2 man hrs.	@ $33.00 per hr.	=	$ 66.00		
1 machine hrs.	@ $21.00 per hr.	=	$ 21.00	$ 87.00	
Casing					
0 - 24 = 24 ft.	@ $24.00 per ft.	=		$ 576.00	
Coring					
24 - 100 = 76 ft.	@ $24.00 per ft.	=	$ 1,824.00		
100 - 607 = 507 ft.	@ $23.00 per ft.	=	$11,661.00	$13,485.00	$14,148.00
Hole:#92-3/60/HQ-NQ					
Moving					
6 man hrs.	@ $33.00 per hr.	=		$ 198.00	
Mud					
11 man hrs.	@ $33.00 per hr.	=	$ 363.00		
5.5 machine hrs.	@ $21.00 per hr.	=	$ 115.50	$ 478.50	
Casing					
0 - 12 = 12 ft.	@ $24.00 per ft.	=		$ 288.00	
Coring					
12 - 212 = 200 ft.	@ $24.00 per ft.	=	$ 4,800.00		
212 - 497 = 285 ft.	@ $23.00 per ft.	=	$ 6,555.00	$11,355.00	$12,319.50

CARON DIAMOND DRILLING LTD. 7 Roundel Road Whitehorse, Yukon Y1A 3H3 Phone (403) 668-2424 FAX (403) 668-4520

Hole:#92-4/60/HQ-NQ				
Moving				
11 man hrs.	@ $33.00 per hr.	=	$ 363.00	
Reaming Cave				
2 man hrs.	@ $33.00 per hr.	= $ 66.00		
1 machine hr.	@ $21.00 per hr.	= $ 21.00	$ 87.00	
Casing				
0 - 14 = 14 ft.	@ $24.00 per ft.	=	$ 336.00	
Coring				
14 - 152 = 138 ft.	@ $24.00 per ft.	= $ 3,312.00		
152 - 507 = 355 ft.	@ $23.00 per ft.	= $ 8,165.00	$11,477.00	$12,263.00
Hole:#92-5/60/HQ-NQ				
Moving				
18 man hrs.	@ $33.00 per hr.	=	$ 594.00	
Mud				
14 man hrs.	@ $33.00 per hr.	= $ 462.00		
7 machine hrs.	@ $21.00 per hr.	= $ 147.00	$ 609.00	
Casing				
0 - 14 = 14 ft.	@ $24.00 per ft.	=	$ 336.00	
Coring				
14 - 141 = 127 ft.	@ $24.00 per ft.	= $ 3,048.00		
141 - 500 = 359 ft.	@ $23.00 per ft.	= $ 8,257.00	$11,305.00	$12,844.00
Demobilization				
91 man hrs.	@ $33.00 per hr.	=		$ 3,003.00
Rental of John Dear				
AMT 622		=		$ 500.00
Hotel				
The Eldorado				
July 19/ J.P.		= $ 72.00		
Midnight Sun				
July 16/J.P.-Robb		= $ 102.00		$ 174.00
				68372
G.S.T. R101557122 @ 7% on $68,372.00				$ 4,786.04
Food				
Bonanza Shell		=		$ 140.83
GST on food		=		$ 4.37
		Total Invoice		$73,303.24

3613 total





SYMBOLS

Bulldozer trail

Four wheel drive road

Diamond drill hole

LEGEND

Area of exposed bedrock

Geological contact (approximate, inferred)

Exhalite horizon extrapolated from drill hole

Attitude of schistocity

Figure 3

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

GEOLOGY

MATSON CREEK PROPERTY
BOR CLAIMS

KENNECOTT CANADA INC.
YGC RESOURCES LTD.

DWG 351

093099

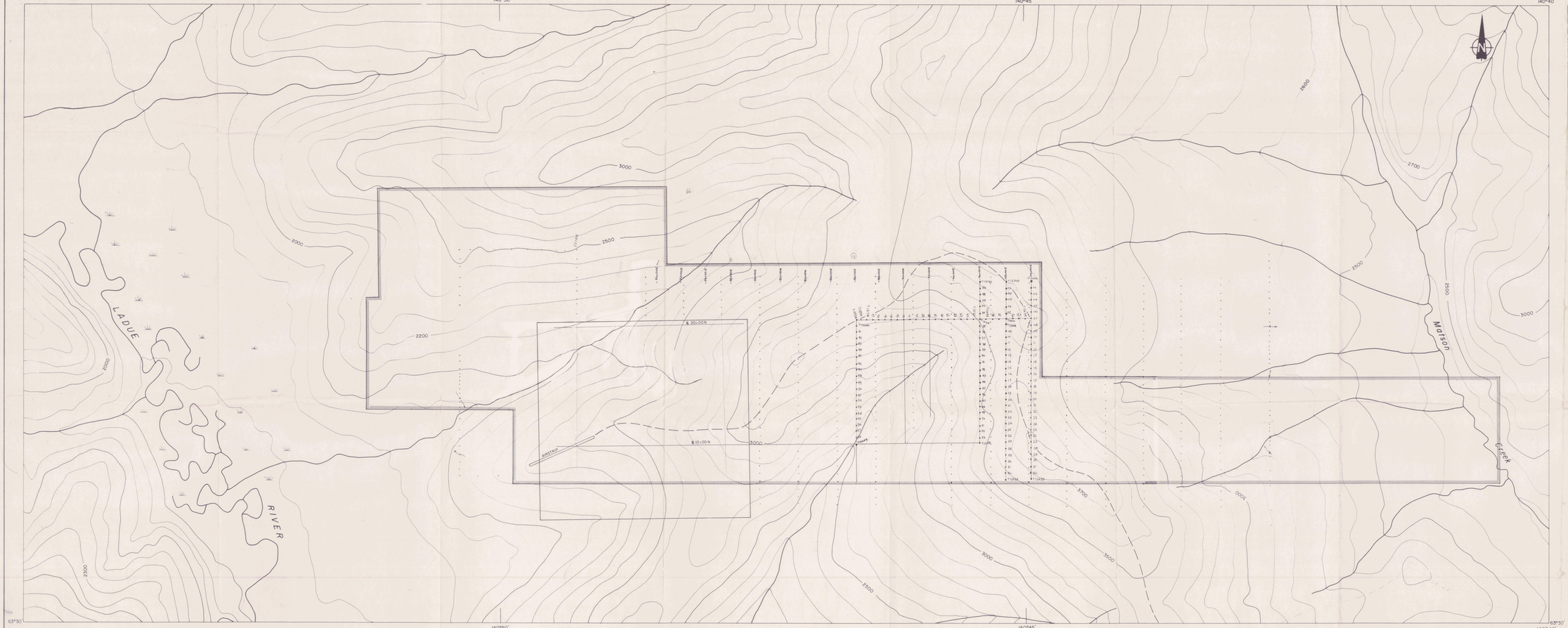
SCALE 1:2500

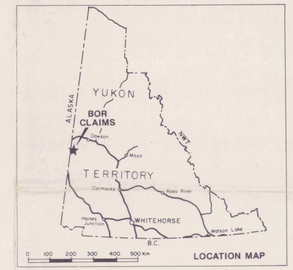
0 50 100 150 200m

0 100 200 300 400 500 600 ft

093099

To accompany report dated April, 1993





· Soil sample location (1977 - 1979) without sample number

7+44N Soil sample location (1990-91) with sample location number

Figure 4

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

SAMPLE LOCATION

MATSON CREEK PROPERTY
BOR CLAIMS

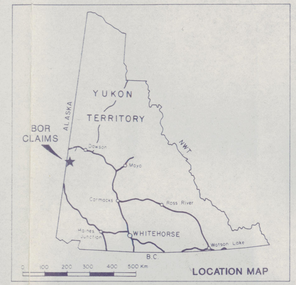
YGC RESOURCES LTD.

SCALE 1:10,000

0 100 200 300 400 500 1000 Metres

0 500 1000 2000 3000 Feet

To accompany report dated April, 1993



LOCATION MAP

SYMBOLS

- Bulldozer trail
- Four wheel drive road
- Diamond drill hole

CAMP

Figure 5

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

SAMPLE LOCATION

MATSON CREEK PROPERTY
BOR CLAIMS

KENNECOTT CANADA INC.
YGC RESOURCES LTD.

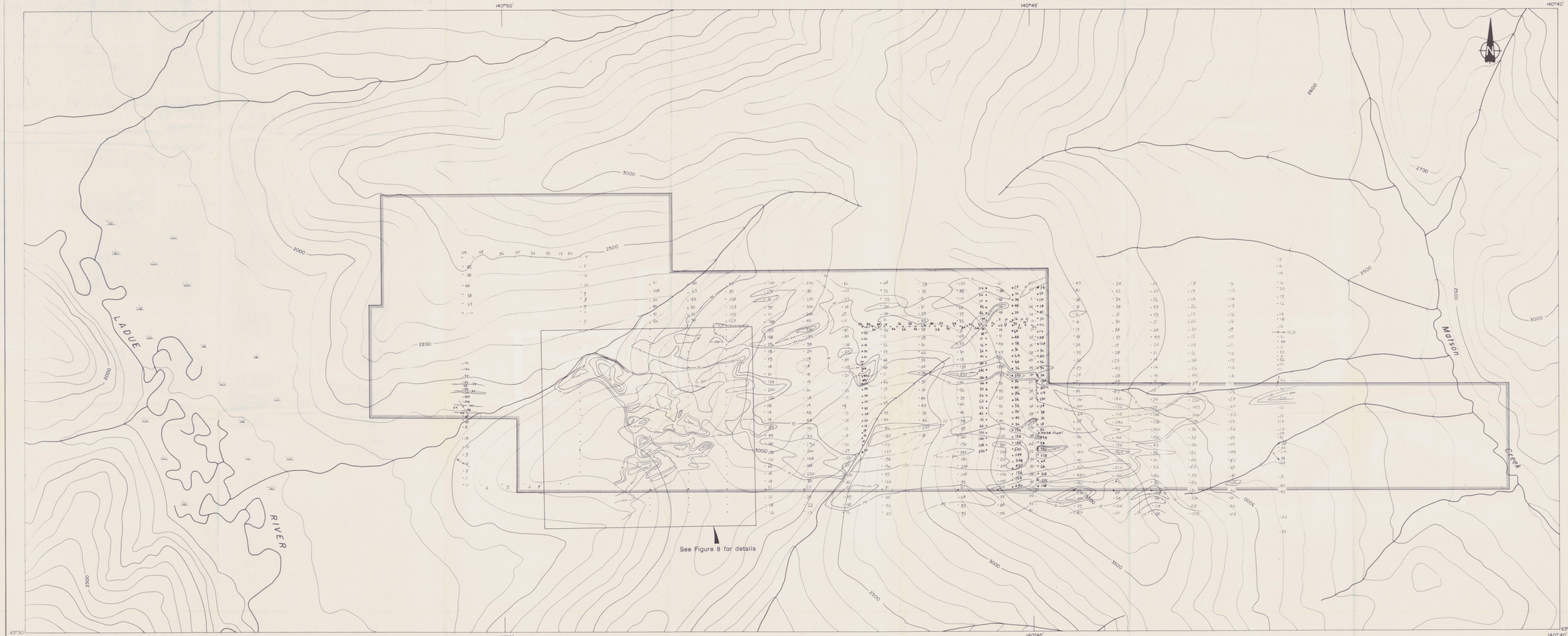
DWG 353

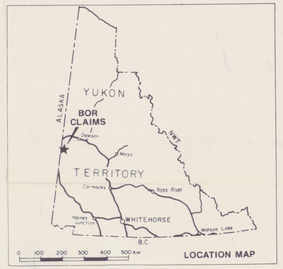
SCALE 1:2500

0 50 100 150 200m
0 100 200 300 400 500 600 ft

093099

To accompany report dated April, 1993





- 98 Soil sample location (1990-91) with lead values in ppm.
- 181 Soil sample location (1977-79) " " " " .
- 47 Silt sample location (1977-79) " " " " .

- ⩾600 ppm
- ⩾300 ppm, <600 ppm
- ⩾150 ppm, <300 ppm
- ⩾75 ppm, <150 ppm

Figure 6

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

LEAD GEOCHEMISTRY

MATSON CREEK PROPERTY

BOR CLAIMS

YGC RESOURCES LTD.

DWG 354

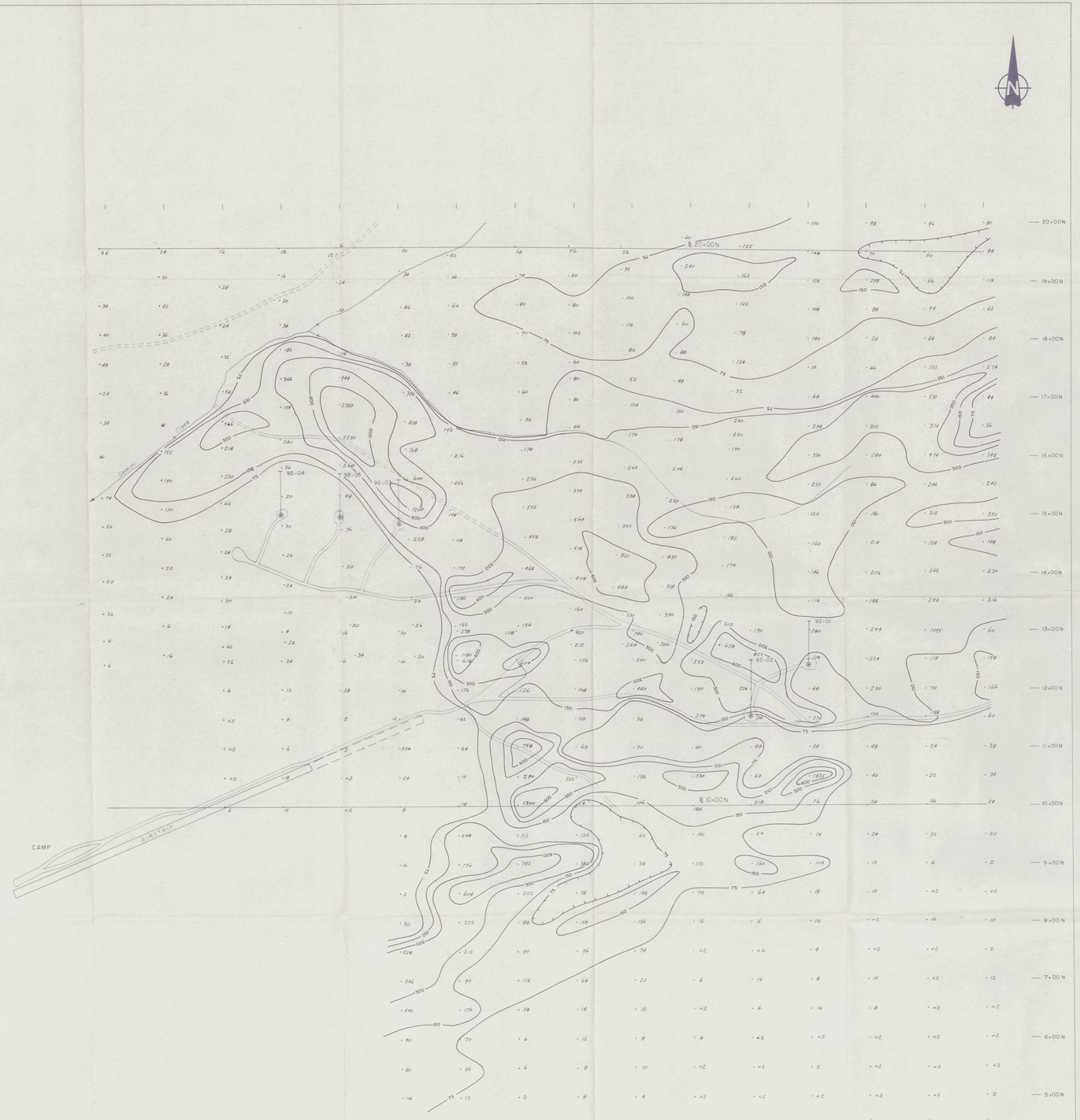
SCALE 1:10,000

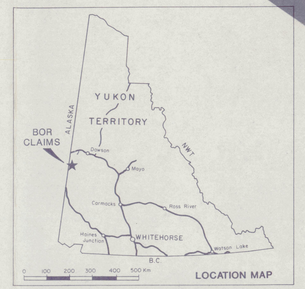
0 100 200 300 400 500 1000 Metres

0 500 1000 2000 3000 Feet

093099

To accompany report dated April, 1993





SYMBOLS

- Bulldozer trail
- Four wheel drive road
- Diamond drill hole
- .26 — Soil sample location with lead values in ppm.
- .67 — Silt sample location with lead values in ppm.
- ≥ 1200 ppm
- ≥ 600 ppm, < 1200 ppm
- ≥ 300 ppm, < 600 ppm
- ≥ 150 ppm, < 150 ppm
- ≥ 75 ppm, < 150 ppm

Figure 7

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

LEAD GEOCHEMISTRY

MATSON CREEK PROPERTY
BOR CLAIMS

KENNECOTT CANADA INC.
YGC RESOURCES LTD.

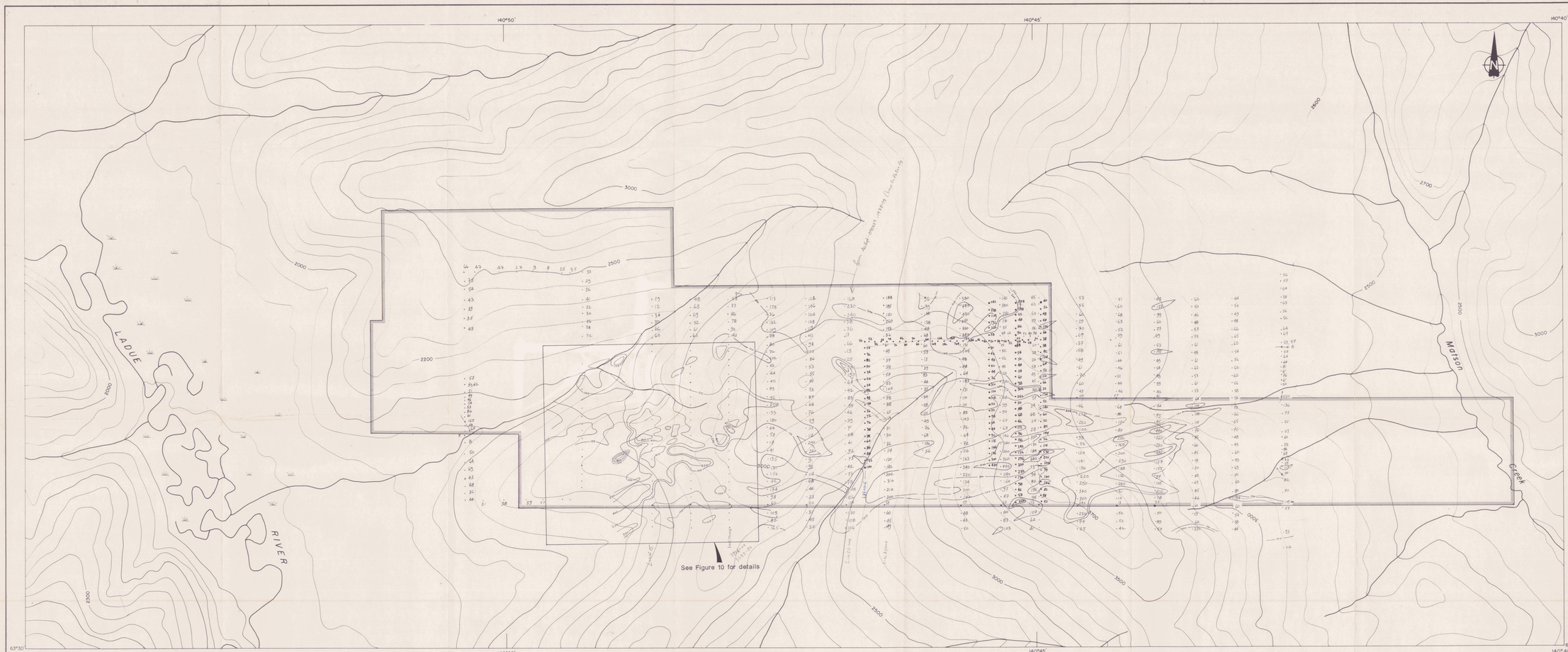
DWG 355

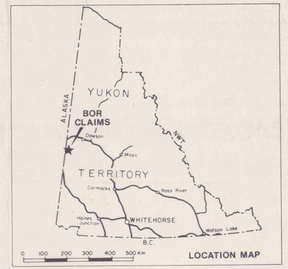
SCALE 1:2500

0 50 100 150 200m
0 100 200 300 400 500 600 ft

093099

To accompany report dated April, 1993





LOCATION MAP

- Soil sample location (1990-91) with zinc values in ppm
- Soil sample location (1977-79) zinc values in ppm.
- Silt sample location (1977-79) zinc values in ppm.
- >400 ppm.
- >200 ppm, <400 ppm.
- >100 ppm, <200 ppm.

Figure 8

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

ZINC GEOCHEMISTRY

MATSON CREEK PROPERTY

BOR CLAIMS

YGC RESOURCES LTD.

DWG 356

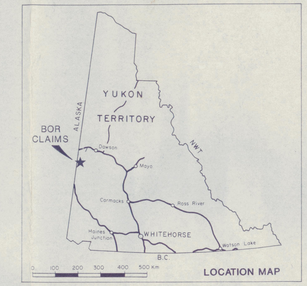
093099

SCALE 1:10,000

0 100 200 300 400 500 1000 Metres

0 500 1000 2000 3000 Feet

To accompany report dated April, 1993



LOCATION MAP

SYMBOLS

- Bulldozer trail
- Four wheel drive road
- Diamond drill hole
- 264 — Soil sample location with zinc values in ppm
- 118 — Silt sample location with zinc values in ppm
- ≥ 800 ppm
- ≥ 400 ppm, < 800 ppm
- ≥ 200 ppm, < 400 ppm
- ≥ 100 ppm, < 200 ppm

92-01 92-02 92-03 92-04 92-05

CAMP

ALASKA

20+00N 19+00N 18+00N 17+00N 16+00N 15+00N 14+00N 13+00N 12+00N 11+00N 10+00N 9+00N 8+00N 7+00N 6+00N 5+00N

61+00E 62+00E 63+00E 64+00E 65+00E 66+00E 67+00E 68+00E 69+00E 70+00E 71+00E 72+00E 73+00E 74+00E 75+00E 76+00E

Figure 7

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

ZINC GEOCHEMISTRY

MATSON CREEK PROPERTY
BOR CLAIMS

KENNECOTT CANADA INC.
YGC RESOURCES LTD.

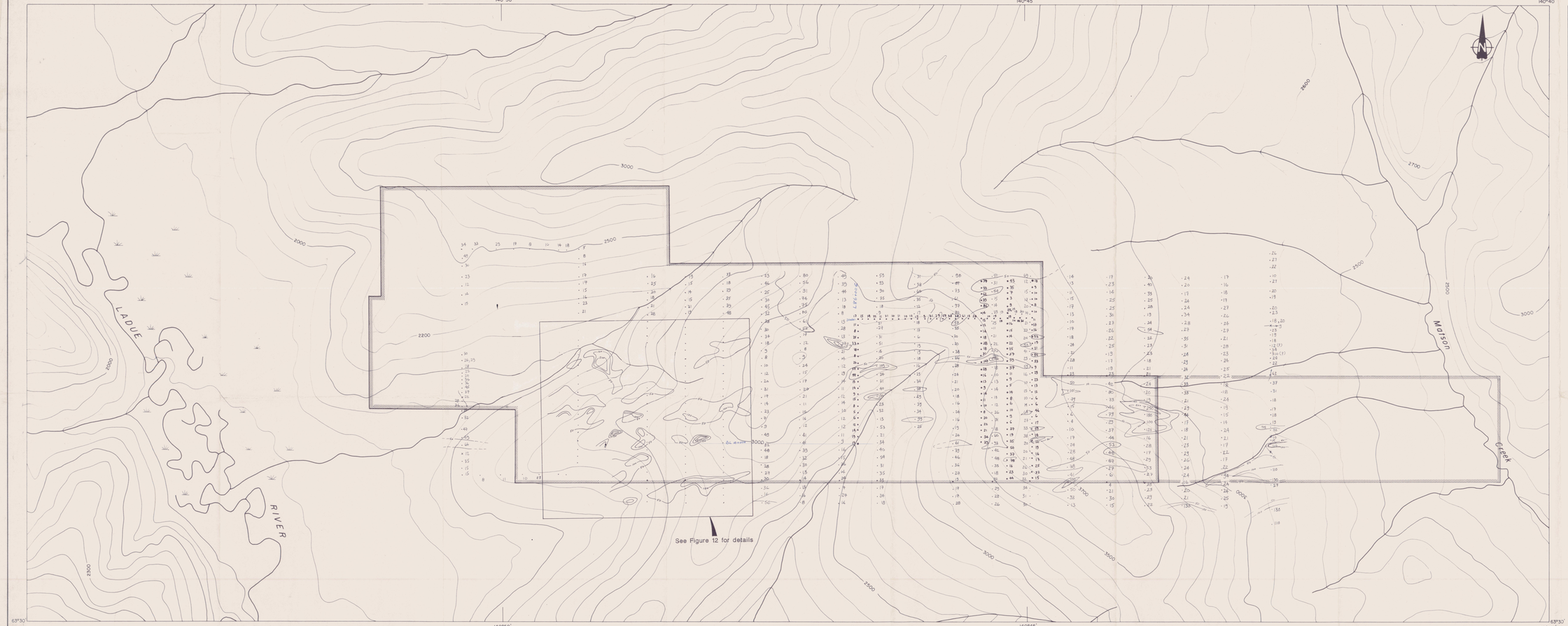
DWG 357

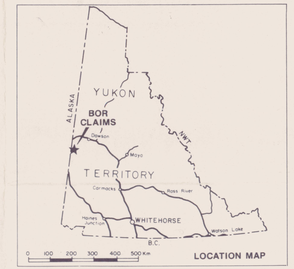
SCALE 1:2500

0 50 100 150 200m
0 100 200 300 400 500 600 ft

093099

To accompany report dated April, 1993





• 63 Soil sample location (1990-91) with copper values in ppm.

• 45 Soil sample location (1977-79) with copper in ppm.

Silt sample location (1977-79) with copper in ppm.

- ≥ 200 ppm
- ≥ 100 ppm ; < 200 ppm
- ≥ 50 ppm, < 100 ppm

Figure 10

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

COPPER GEOCHEMISTRY

MATSON CREEK PROPERTY

BOR CLAIMS

YGC RESOURCES LTD.

DWG 358

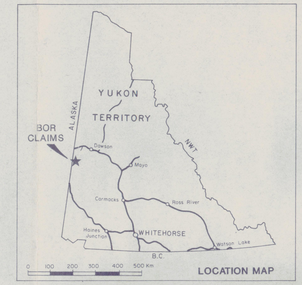
SCALE 1:10,000

0 100 200 300 400 500 1000 Metres

0 500 1000 2000 3000 Feet

093099

To accompany report dated April, 1993



LOCATION MAP

SYMBOLS

- Bulldozer trail
- Four wheel drive road
- Diamond drill hole
- .143 Soil sample location with copper values in ppm
- .30 Silt sample location with copper values in ppm
- ≥ 200 ppm
- ≥ 100 ppm, < 200 ppm
- ≥ 50 ppm, < 100 ppm

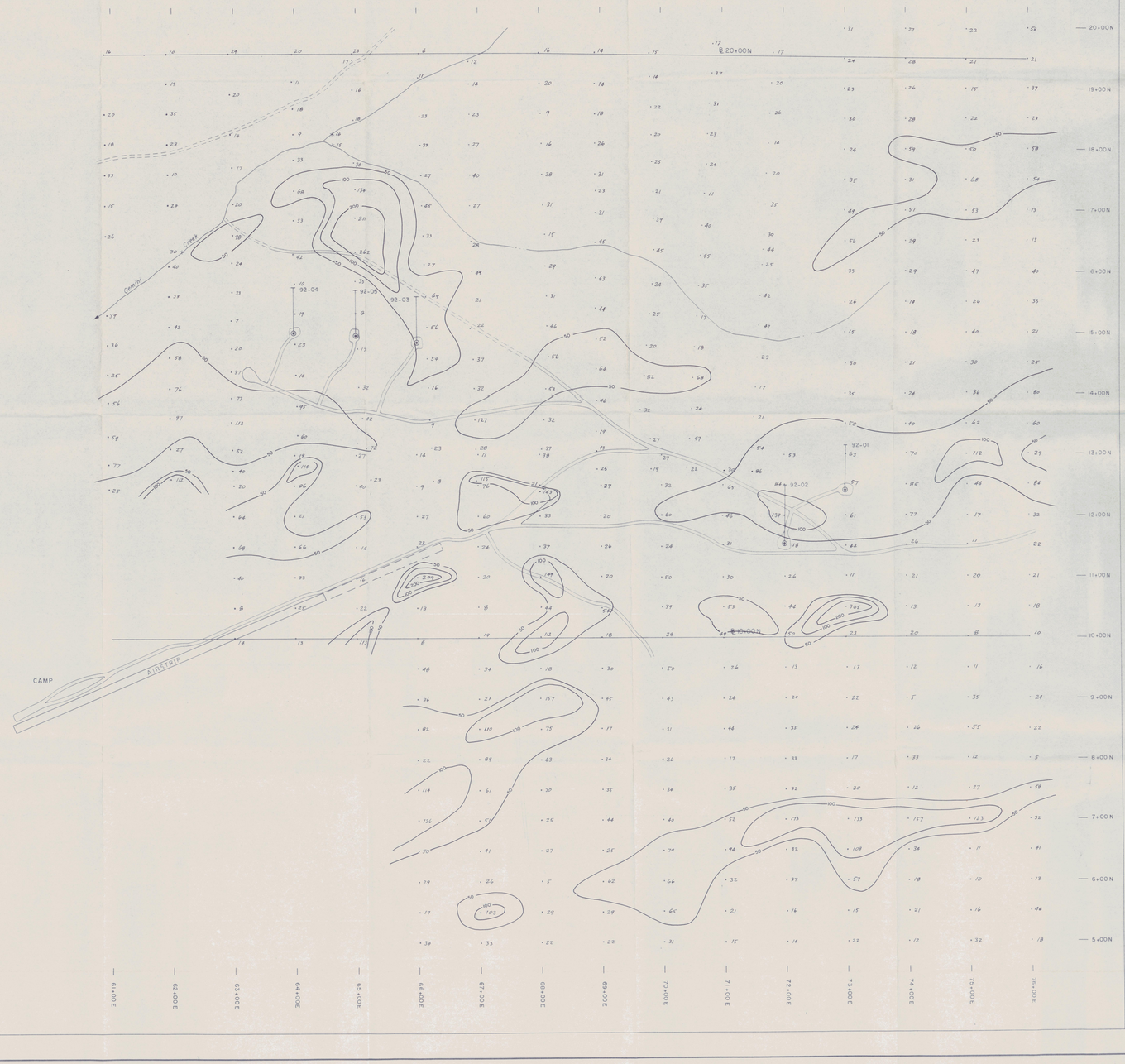


Figure 11

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

COPPER GEOCHEMISTRY

MATSON CREEK PROPERTY
BOR CLAIMS

KENNECOTT CANADA INC.
YGC RESOURCES LTD.

DWG 259

SCALE 1:2500

0 50 100 150 200m
0 100 200 300 400 500 600 ft

093099

To accompany report dated April, 1993