ABERFORD RESOURCES LTD.

RECONNAISSANCE GEOLOGICAL MAPPING, PROSPECTING AND GEOCHEMISTRY CONDUCTED ON THE

STIRLING GROUP
DIANE 1-5 MINERAL CLAIMS

NICOLA MINING DIVISION
SOUTHCENTRAL B.C.
NTS 92I/2

Longitude 120° 47' W
Latitude 50° 02' N

Work Period July and October, 1983

Report No. 28-83

By: G. F. McArthur
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Summary

The Diane Property comprises five mineral claims containing fifty-eight units. This contiguous claim group is situated approximately seven and a half kilometres south of the town of Merritt in the Nicola Mining Division in southcentral British Columbia (Figure 1 & 2).

Aberford Resources conducted a preliminary exploration program on the Stirling Group of claims comprising the Diane 1 to 5 mineral claims located on the west and southwest slopes of Iron Mountain during July and October in 1983.

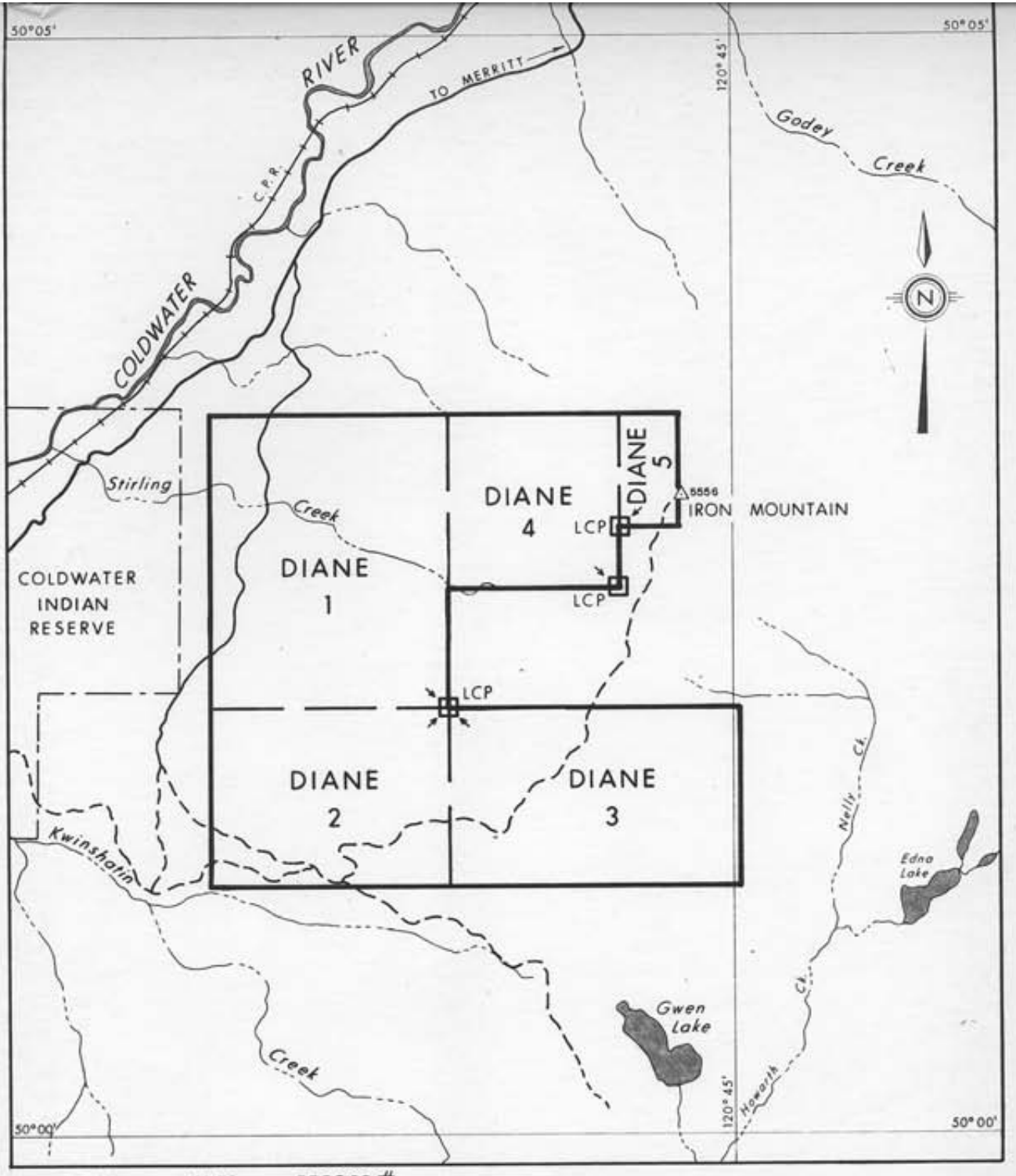
The 1983 exploration program included prospecting, reconnaissance geological mapping and geochemical sampling. Six areas containing elevated precious metals and copper have been outlined and partially investigated. Sixty-nine rock specimens, thirty-nine chip samples, eighteen soil samples and ten heavy mineral concentrates were analysed for gold, silver and copper. A number of these samples were later analysed for a variety of trace elements. [Plate II; Appendix I, II]

Introduction

During July and October 1983, Aberford Resources conducted prospecting, reconnaissance geological mapping and geochemical sampling on the Stirling Group claims to evaluate their precious metal potential.

Location and Access

The Stirling Group comprising the Diane 1 to 5 mineral claims is located on Iron Mountain (Figure 1) approximately 7.5 kilometres south of the town of Merritt in the Nicola Mining Division in southcentral B.C. Access to the property from Merritt is via Highway #5 south to the outskirts of town, then via the Coldwater road approximately 5 kilometres south to the Gwen Lake road turnoff. Along the Gwen Lake forestry access road approximately 7 kilometres to the Iron Mountain turnoff. North along the Iron Mountain access road approximately 2 kilometres to the property access road junction to the west.



CLAIM	UNITS	RECORD #
DIANE 1	4×5 = 20 units	1431
DIANE 2	4×3 = 12 units	1432
DIANE 3	5×3 = 15 units	1433
DIANE 4	3×3 = 9 units	1434
DIANE 5	1×2 = 2 units	1435

□ LCP Legal Corner Post
(Survey by chain and compass)

Metres 1000 500 0 1000 2000 Metres

Figure 1

ABERFORD RESOURCES LTD.

LOCATION OF DIANE CLAIMS

STIRLING PROJECT, 1983

DATE	SCALE	NTS	DRAWING NO.
JULY, 1984	1:50 000	92 I / 2	A-2088

LEB

West along the 4-wheel drive property access road approximately one kilometre to the eastern edge of Diane 1 & 3 claims (Plate 1).

Claims

The property consists of five mineral claims containing fifty-eight units located July 14 to July 21, 1983 which are owned by Aberford Resources of Calgary, Alberta. [Figure 1; Plate 1] Exploration work was conducted on the Stirling Group comprising the Diane 1 to 5 mineral claims.

Claim	No. of Units	Record No.	Record Date	Due Date
Diane 1	20	1431	Aug. 2/83	Aug. 2/84
Diane 2	12	1432	"	"
Diane 3	15	1433	"	"
Diane 4	9	1434	"	"
Diane 5	2	1435	"	"

The listed Diane 1 to 5 claims will be grouped to form the Stirling Group, and three years of assessment work will be applied.

Topography and Vegetation

The property is located on the west and southwest slopes of Iron Mountain (Figure 1). Relief is in the order of 900 metres. The property area is typical of the upland plateau region near Merritt. Iron Mountain is a moderately forest covered plateau with steep western slopes giving way at lower elevations to mainly open timbered and grassey slopes in the Coldwater River and Kwinshatin Creek valleys. Rock outcrop is extensive, especially on the steep western slopes with some areas having greater than 50% outcrop. Till cover is generally thin in the order of 1 to 2 metres. However, the lower slope to the south on Diane 2 and 3 and along the Coldwater River valley have extensive deep (ie. greater than 10 metres) till cover.

History and Previous Work

Exploration activity on Iron Mountain has generally been continuous since the early 1960's. The original discovery appears to have been made before the

turn of the century. Several old adits and hand trenches in addition to extensive cat stripping are located on the property.

Exploration History Summary:

1886 Three old shafts sunk on the southwest slope of Iron Mountain: the Victoria, Islander and Charmer.

1927 Barite showing discovered by Emmett Todd on the Leadville.

1927-28 Shaft sunk on the barite showing on the Leadville claim.

1929 Variety of work by Comstock of B.C. Ltd.

1947 George Hunter and Partners. Rehabillitate shaft on Leadville and ship 36 tons of ore.

1951 Granby Mining Corp. dewater shaft and do surface work.

1958 New Jersey Zinc performed drilling north of Leadville.

1961 Local Merritt interests perform extensive trenching and sampling on the Judy claims covering the old Charmer shaft.

1966 Manor Mines Ltd. drilled two holes near the Leadville shaft.

1968-74 Acoplomo Mining conduct extensive geochemistry, geophysics and some trenching on the Makelstin claims covering Iron Mountain.

1977 Quintana Minerals conduct geological mapping and geochemistry on the One Sixty One claims on Iron Mountain.

1978 W. J. McMillian of the BCMM conducts regional mapping on Iron Mountain, Open File Map #47 1:25,000.

1979-81 JMT conducted three year program of mapping, geochemistry for Chevron on the Gyprock Group of claims.

1983 Aberford stakes the Diane claims and conducts geochemical sampling.

1984 Monger et al. of the G.S.C. releases open file map 980 "Bedrock Geology of the Ashcroft (92I) Map Sheet".

General Geology

The Merritt area has been geologically mapped by the Geological Survey of Canada and the B.C. Ministry of Mines, with the most recent mapping on Iron Mountain by W. J. McMillian of the BCMM 1977 to 1979 (Report Field Activities, Paper 79-1, Preliminary Map #47), and G.S.C. open file map 980 (Monger et al., 1984).

The Diane claims located on the western slope of Iron Mountain are underlain by a north-northeast trending, east dipping belt of calkalkaline volcanic and sedimentary rocks belonging to the Upper Triassic-Lower Jurassic Nicola Group.

Local Geology [Plate 1]

Nicola rocks exposed on the property comprise a basal sequence of basaltic andesites exposed at lower elevations on the west side of the property. These rocks include flows, flow breccia and lesser tuffs. The basal sequence is overlain by a transitional sequence of andesitic pyroclastics and breccias which contain some felsic volcanic fragments. These transitional rocks are overlain and appear to interfinger with a sequence of felsic pyroclastics with occasional sedimentary interbeds which are exposed at higher elevations on Iron Mountain. Further east the felsic volcanic sequence is overlain by and interfingers with volcanic derived sediments containing minor lenses of limestone.

The basal basaltic-andesite sequence exposed at lower elevations on the western slope of Iron Mountain is commonly massive in character and bedding attitudes are uncommon. These fine grained green flows, flow breccia and dykes

were apparently deposited in marine conditions and have subsequently been subjected to lower greenschist regional burial metamorphism as indicated by the common alteration minerals epidote, chlorite, and calcite. No mineralization, except minor pyrite, has as yet been found in these rocks on the property.

The overlying transitional andesitic breccias and pyroclastics are the most important rock sequence on the property as these rocks contain all of the mineralization found to date. These rocks show an increasing felsic fragmental component up section and interfinger with the overlying felsic pyroclastics. This rock sequence also appears to have been subjected to low grade regional burial metamorphism as evidenced by prehnite, pumpellyite, epidote, chlorite, calcite alteration minerals and therefore would be in lower greenschist facies at the base and zeolite facies near the top of the sequence.

In addition to the low grade regional metamorphism these rocks are highly altered by hydrothermal mineralizing solutions which are responsible for the mineralization found on the property. Hydrothermal alteration includes sericitization, silicificaiton, hematization and chloritization.

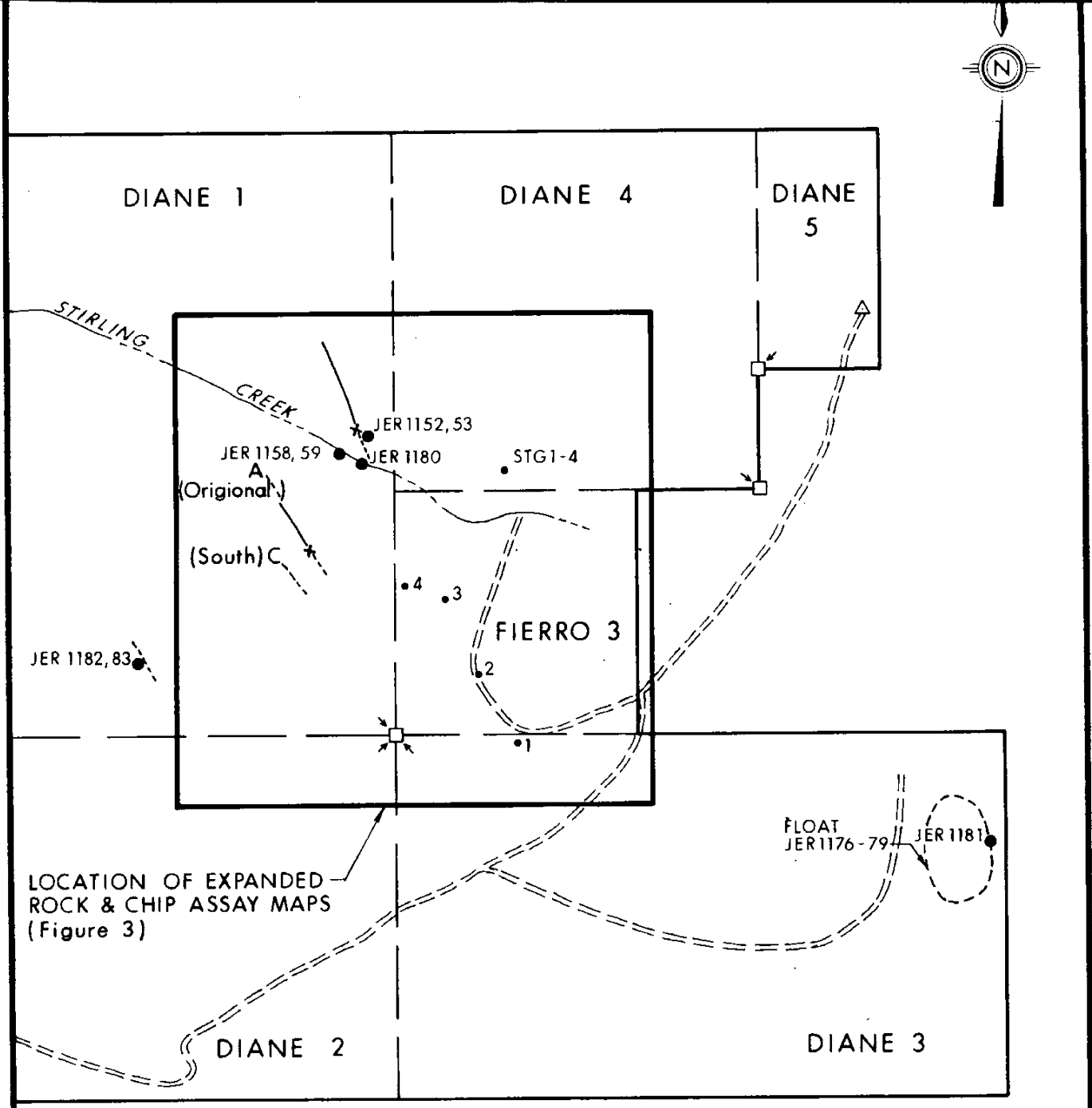
The overlying felsic sequence is altered locally by hydrothermal solutions related to the formation of vein mineralization at the Leadville (Comstock) adit and local occurrences of silica-jasper veins and jasperoidal sediments (B.I.F.).

Structure

The regional structural patterns are dominated by north-northeast directed Tertiary faulting such as exemplified by the Coldwater and Quilchena fault systems (Monger, 1984). Local faulting as mapped by McMillan (1979) indicate pre-Tertiary faulting in a west and northwest trend. Fracturing and faulting on the property are highly variable with the most intense fracturing localized in areas of mineralization. Fracture intensity apparently controls and localizes mineralization and intensity of alteration.

Fracturing occurs in several sets on the property. These are:

- N20E a major fault on east side of the property and associated pervasive fracturing



Metres 500 250 0 500 1000 Metres

Figure 2

ABERFORD RESOURCES LTD.

SAMPLE PLAN

STIRLING PROJECT, 1983

DATE	SCALE	NTS	DRAWING NO.
JULY, 1984	1:25 000	92 I/2	A-2089

LEB

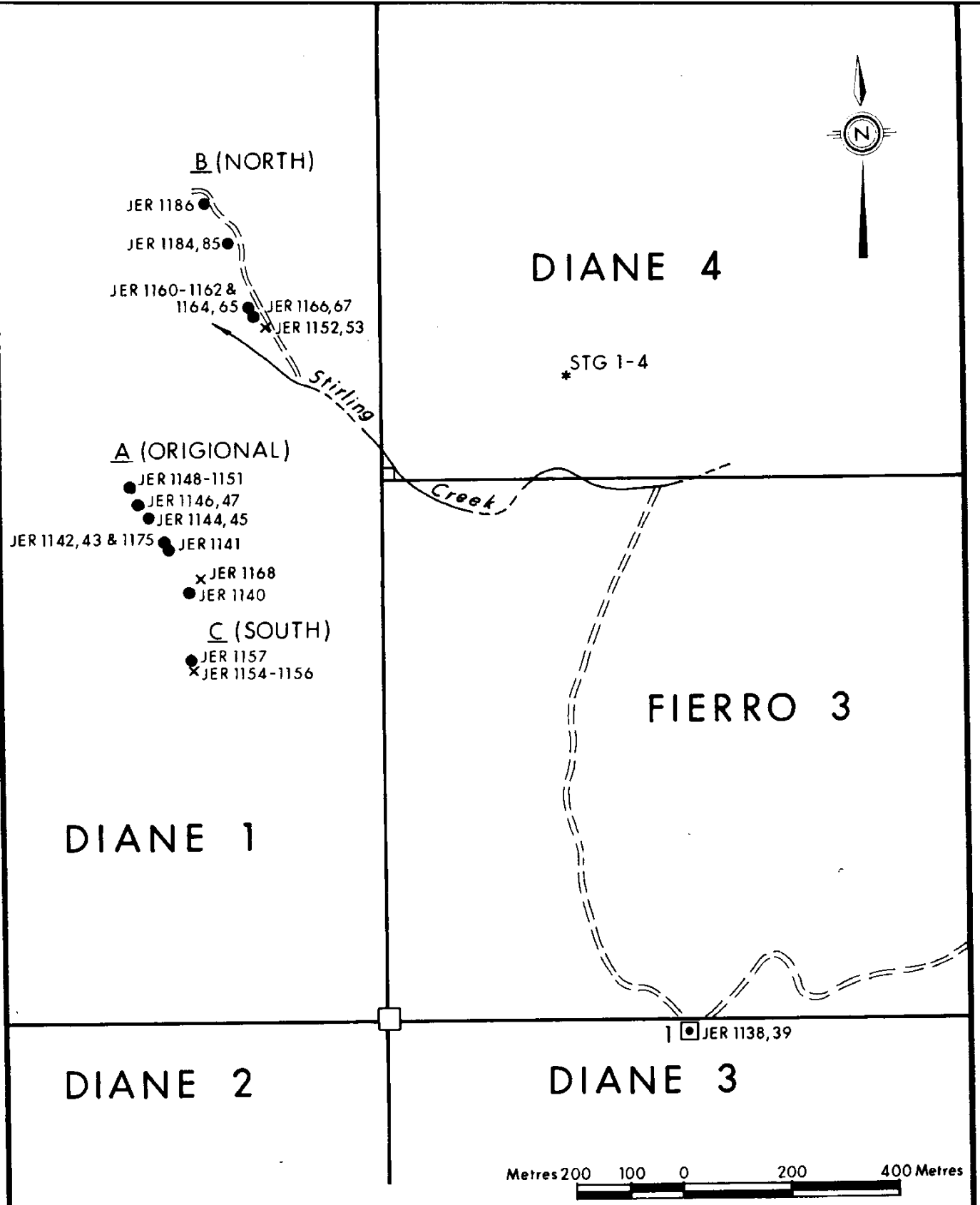


Figure 3

ABERFORD RESOURCES LTD.

EXPANDED SAMPLE PLAN

STIRLING PROJECT, 1983

DATE	SCALE	NTS	DRAWING NO.
JULY, 1984	1:10 000	92 I/2	A-2090

LEB

N40E a major joint set found in the upper felsic volcanic sequence
N80E occassional widly spaced fractures
N70W a fault related set occurring on the west side of the property
N40W related to most mineralization found on the property.

Mineralization

A variety of mineral occurrence types are found to occur on Iron Mountain. On the east side of Iron Mountain a copper-magnetite skarn occurs at the contact between a limestone and limy sediments and a small diorite stock. South of Iron Mountain at the Leadville or Comstock occurrence is a barite-lead-silver vein occurring in altered felsic volcanics. West of Iron Mountain at the Charmer occurrence are numerous quartz-hematite-chalcopyrite-pyrite veins occurring in altered volcanic breccia (McMillan, 1979).

On the Diane claims six areas containing quartz-hematite veining occassionally with chalcopyrite and pyrite have been investigated. These are the North Zone located north of Stirling Creek, the STG area east of the North Zone on Diane #4, the Original Zone south of Stirling Creek, the South Zone south of the Original Zone, several areas along the Diane #1 and #2 claim boundary and an area in the northeast corner of Diane #3 (Plate II, Figures 2 and 3, Appendix A).

1) The North Zone is located north of Stirling Creek below an old cat road (Figures 2 and 3 Plate II) on Diane #1. Mineralization in the North Zone is contained in dark green, fine to medium grained andesitic crystal tuff, occassionally containing amygdules of secondary calcite. Small interbeds of andesitic flows are evident. Dark grey to purple fine grained dacitic tuff occurs within 30 metres upsection. Interfingering with these fine grained air full tuffs are coarser grained dacitic to rhyodacitic tuffs containing subangular to angular felsic, mafic and jasper fragments to 2cm in size in a fine grained purple ground-mass.

   Several sites were excavated by hand in this area to expose subcropping quartz $\pm$ hematite-chalcopyrite pyrite veins for chip sampling. A total of eight chip and ten grab rock samples were obtained. Four panned concentrates, and their corresponding +6 mesh reject fractions, were collected from fault and shear gouge zones. The best samples to date include the following results (Appendix A; Figures 4, 4A, 4B; Appendix B):

Grab	JER 1152	Au 0.068 oz/t	Ag 0.13 oz/t	Cu 1.75%
	1161	Au 0.016 oz/t	Ag 0.19 oz/t	Cu 0.10%
	1167	Au 0.124 oz/t	Ag 0.42 oz/t	Cu 0.70%
Chip	JER 18-8	Au 0.555 oz/t	Ag 46.0 ppm	Cu 0.18%
	18-10	Au 0.162 oz/t	Ag 15.0 ppm	Cu 2.06%
	18-19	Au 0.012 oz/t	Ag 2.5 ppm	Cu 1.18%

2) The STG area is located on Diane #4 several hundred metres east of the North Zone (Plate II). Mineralization at this locality comprises disseminated chalcopyrite and pyrite in vesicular flows and as fracture filling in crystal tuff and volcanic breccia. Only a limited area of mineralization was discovered as the area is partially covered. Four grab samples were taken, with the best results as follows:

STG 1	Au 0.003 oz/t	Ag 3.89 oz/t	Cu 1.44%
STG 4	Au 0.007 oz/t		Cu 1.32%

Similar mineralization has also been discovered in the southwest corner of Diane #2.

3) The Original Zone is located south of Stirling Creek (Plate II, Figures 2 and 3, Appendix A: Figures 5, 5A, 5B, 5C; Appendix B). This Zone has mineralization contained in a dark green, orange weathering andesitic crystal tuff with 1-2mm feldspar crystals comprising 5-15% of the rock. Locally, hydrothermal alteration has reduced the andesitic tuff to a yellowish, clay rich material. Approximately 10m upsection is a lithic lapilli tuff containing 10% of 10-15cm siliceous, hematitic angular fragments and 50% of 2-10mm angular hematitic and subangular andesitic fragments in dark green tuffaceous groundmass.

Several areas were stripped to expose subcropping quartz $\pm$ hematite-chalcopyrite veins, stringers and breccia for chip sampling. Several panned concentrates, with their corresponding +6 mesh reject fraction, were collected from this area. The best results obtained to date were from this zone.

Grab	JER 1098	Au 0.356 oz/t	Ag 1.0 oz/t	Cu 27.19%
	1141	Au 0.266 oz/t	Ag 0.28 oz/t	Cu 0.43%
	1142	Au 0.16 oz/t	Ag 0.18 oz/t	Cu 0.29%
	1145	Au 0.042 oz/t	Ag 0.64 oz/t	Cu 2.50%
	1151	Au 0.135 oz/t	Ag 0.51 oz/t	Cu 0.09%
	1175	Au 0.058 oz/t	Ag 0.08 oz/t	Cu 0.14%

Chip	JER 19-26	Au 0.168 oz/t	Ag 4.2 ppm	Cu 0.96%
	19-27	Au 0.119 oz/t	Ag 5.3 ppm	Cu 0.25%
	19-28	Au 0.064 oz/t	Ag 2.6 ppm	Cu 0.26%
	19-29	Au 0.102 oz/t	Ag 4.9 ppm	Cu 0.12%

Weighted average assay Au 0.11 oz/t, Cu 0.11% over 3.9 metres.

JER 20-45	Au 0.184 oz/t	Ag 3.3 ppm	Cu 0.04%
20-46	Au 0.079 oz/t	Ag 2.7 ppm	Cu 0.12%
20-47	Au 0.037 oz/t	Ag 2.5 ppm	Cu 0.12%

4) The South Zone is located south and west of the original Zone (Figures 2 and 3, Plate II). Mineralization in the South Zone is hosted by a purple dacitic tuff comprising 2-4mm angular chloritic fragments within a hematitic very fine grained groundmass. Intense epidote alteration is present along some fractures. Several quartz-hematite-chalcopyrite veins were sampled at this location. A total of four chip and ten grab samples, and two panned concentrate samples were taken. Orientation soil sampling was conducted at the South Zone to evaluate the mineral dispersion and to extend the mineralization. Nine soil samples were taken along a chain and compass line (Appendix B, Appendix A: Figure 6, 6A).

The best results obtained from the South Zone are as follows:

Grab	JER 1157	Au 0.171 oz/t	Ag 0.07 oz/t	Cu 0.06%
	1154	Au 0.011 oz/t	Ag 0.34 oz/t	Cu 1.61%
Chip	KRSC-044	Au 0.045 oz/t	Ag 0.8 ppm	Cu 0.12%
	045	Au 0.011 oz/t	Ag 0.4 ppm	Cu 0.14%
	046	Au 0.010 oz/t	Ag <0.2 ppm	Cu 0.14%
	049	Au 0.153 oz/t	Ag 2.2 ppm	Cu 0.06%

5) Along the Diane 1 and 2 claim boundary occur several trenches which expose quartz-hematite-chalcopyrite veins hosted by altered volcanic breccia (Plate II). These occurrences were only grab sampled and will require further evaluation sampling.

JER 14-1	Au 35 ppb	Ag 1.1 ppm	Cu 2600 ppm
15-5	Au 35 ppb	Ag <0.2 ppm	Cu 460 ppm
15-6	Au 105 ppb	Ag 1.7 ppm	Cu 1530 ppm
15-7	Au 95 ppb	Ag 1.4 ppm	Cu 1220 ppm

6) In the northwest corner of Diane #3 several old workings and trenches expose quartz-hematite-chalcopyrite veins. Mineralization is hosted by a lithic lapilli tuff comprising 2% of 3-4cm felsic fragments and 5% of 1cm purple fragments in a dark green groundmass. All fragments are angular to subangular. A total of four grab and two chip samples were collected (Plate II).

Grab	JER 1138	Au 0.016 oz/t	Ag 0.06 oz/t	Cu 0.43%
	1139	Au 0.027 oz/t	Ag 0.07 oz/t	Cu 0.08%
	22-65	Au 0.014 oz/t	Ag 0.5 ppm	Cu 0.37%
Chip	22-63	Au 0.026 oz/t	Ag 0.5 ppm	Cu 0.07%
	22-64	Au 0.022 oz/t	Ag 0.6 ppm	Cu 0.24%

Due to the extensive overburden cover in this area a reconnaissance soil line was established to evaluate the covered extension of these showings to the south (Appendix A; Figure 7, 7A). Nine soil samples were collected.

Geochemistry

Mineral occurrences discovered by prospecting were later evaluated by geochemical analysis.

Thirty-nine chip samples, sixty-nine grab samples, ten panned concentrates and +6 mesh rejects and eighteen soil samples were collected from the six areas of mineralization, and a number of other smaller occurrences.

Most samples were initially analysed for gold, silver and copper, while selected samples were later analysed for a variety of trace elements. All analyses were preformed by Bondar-Clegg Lab., located at 130 Pemberton Avenue., North Vancouver, B.C.

Sampling Method

Rock Chip

Continuous rock chip samples were removed by hammer and chisel from selected mineralized outcrops. Where the rock was too shattered to allow a continuous chip, a representative sample of fragments was taken. Sample intervals were primarily determined by lithology and degree of shearing or fracturing. Sample size was generally 0.5 to 1.0 kilogram. All samples were packaged in heavy plastic bags.

Panned Rock Concentrates

When mineralized areas were sufficiently sheared or weathered to produce fine particles, the fine material was concentrated by panning. The fines were shoveled into a #6 mesh screen until sufficient -6 mesh material was obtained to fill a standard 38cm gold pan. The -6 mesh material was then panned to a volume of approximately 75 to 100 millilitres of heavy minerals and the +6 mesh material was retained for analysis. Sample fractions were placed in heavy plastic bags.

Soil Samples

Orientation soil samples were collected from two areas of known mineralization to provide information on mineral dispersion and degree of concentration. This information will be used to evaluate the usefullness of soil sampling as a method of evaluating covered areas on the property. Soil samples were collected from topofil and compass lines using a grubhoe. Reddish brown "B" horizon soils were sampled where possible and samples were placed in numbered waterproof kraft envelopes for shipment.

Analytical methods

Samples collected for analysis were initially crushed and pulverized to -100 mesh prior to analysis. A 20 gram sample was used for fire assay-AA for gold, while a 0.5 gram sample was used for the analysis of other element.

Detection limits for assay are 0.002 oz/t gold, 0.02 oz/t silver and 0.01 percent copper.

Geochemical Analysis:

Element	Detection Limit	Extraction	Method
Copper	1 ppm	HNO_3-HCl Hot Extr.	Atomic Absorption
Lead	2 ppm	" "	" "
Zinc	1 ppm	" "	" "
Silver	0.2 ppm	" "	" "
Gold	5 ppb	Fusion	Fire Assay - AA
Iron	0.05%	HNO_3-HCl Hot Extr.	Atomic Absorption
Arsenic	2 ppm	Nitric-Percloric Dig.	Colourimetric
Mercury	5ppb	controlled Aqua Regia	Cold Vapour AA
Tellurium	0.2ppm	HBr-Br_2-MIBK	Atomic Absorption
Thallium	0.5ppm	Multi acid-MIBK	" "
Bismith	1ppm	HNO_3	" "
Tin	5ppm		X-Ray Flourescence
Antimony	2ppm		" "
Barite	20ppm		" "

Results and Discussion

Orientation soil sampling was conducted in two areas. Samples STRS-2 (Appendix A; Figure 6A) were collected from the South Zone area on the west slope of Iron Mountain. At this locality soils are thin and poorly developed due to the steep

slope and abundant outcrop. Results indicate that copper, iron and barium may be useful in tracing mineralization. Samples STRS-3 (Appendix A; Figure 7A) were collected from the northwest corner of Diane #3 downhill to the south of the known mineralization. At this locality glacial till is relatively thick, in the order of several metres. The soil profile is more developed with greater than 30cm of "A" horizon organic material making it difficult to consistently sample "B" horizon soil. Results indicate that barium and possibly iron and zinc may be useful in tracing mineralization (Appendix B).

Panned concentrates were collected from highly weathered or sheared mineralized areas where chip sampling was difficult. This process concentrates heavy minerals and is only used to indicate the presence or absence of mineralization. Values obtained from the +6 mesh rejects generally are about half of those obtained from the concentrates (Appendix B).

Rock sampling was conducted on most areas of mineralization so far discovered on the property as a means of evaluating their precious metal content. Results of the rock sampling have been discussed in the section on mineralization and are tabulated in Appendix B and C. In general, sampling has shown that mineralized areas do contain the precious metals gold and silver and that they occur in economic concentrations, though their distribution locally may be erratic.

Trace element geochemistry performed on selected mineralized samples indicates that copper, zinc, mercury, tellurium, arsenic, iron and barium may be useful pathfinder elements for tracing mineralization in addition to gold and silver.

Multi-element spectrographic analysis of three selected samples (JER 18-10, JER 1157, JER 1098) indicates that these samples are enriched in copper, iron, arsenic, barium and silica and that potassium has a higher concentration than sodium.

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APPENDIX A

FIGURES TO ACCOMPANY TEXT

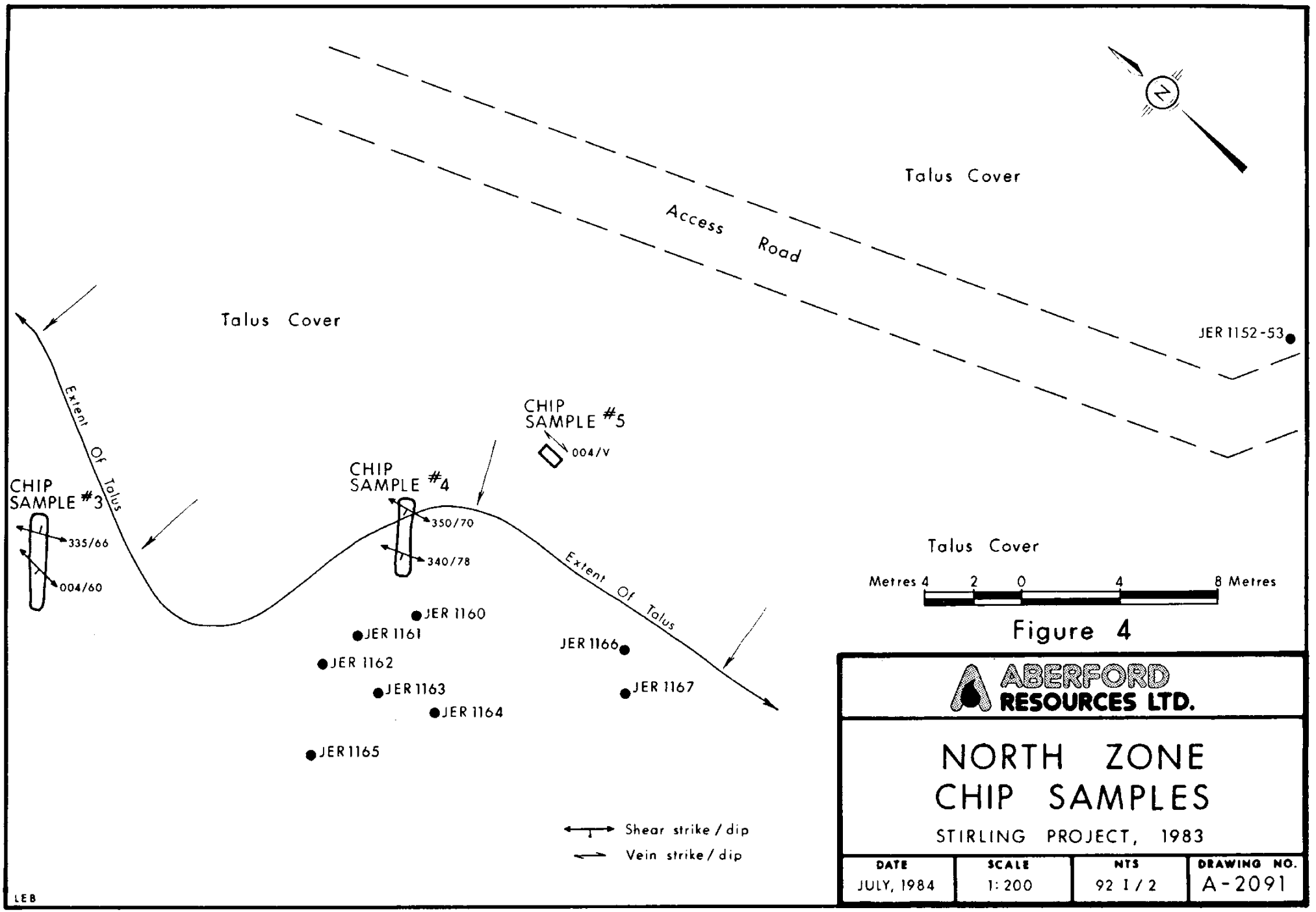


Figure 4

ABERFORD RESOURCES LTD.

NORTH ZONE CHIP SAMPLES

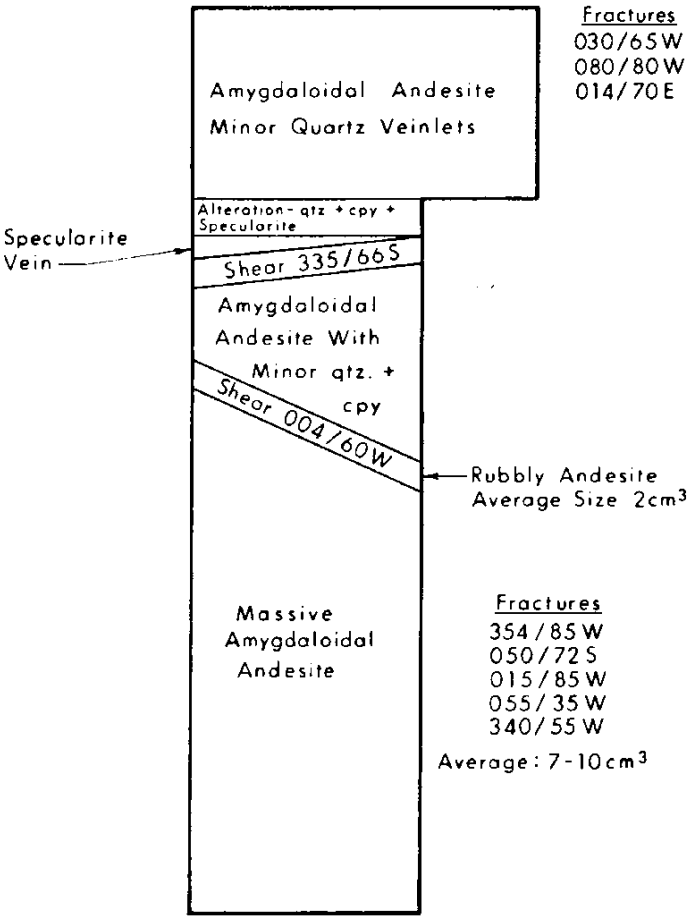
STIRLING PROJECT, 1983

DATE	SCALE	NTS	DRAWING NO.
JULY, 1984	1:200	92 I / 2	A-2091

CHIP SAMPLE #3

SCALE 1:33

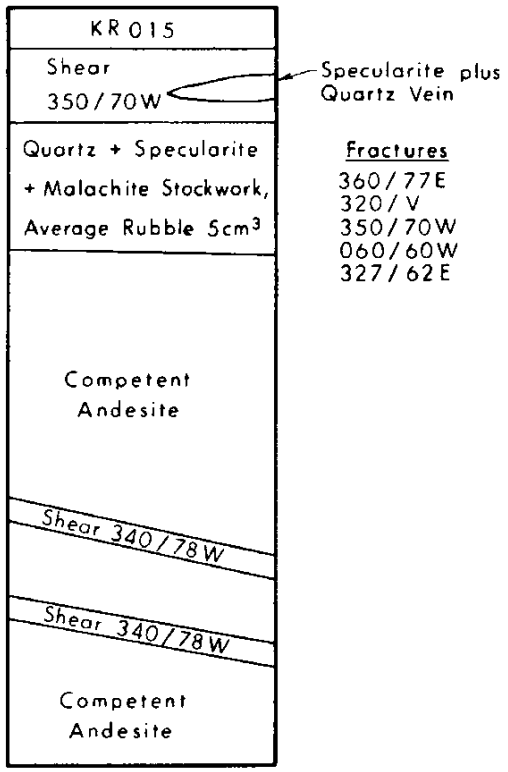
cm 0 33 66 99 cm



CHIP SAMPLE #4

SCALE 1:31

cm 0 31 62 93 cm



CHIP SAMPLE #5

SCALE 1:15

cm 0 15 30 45 cm

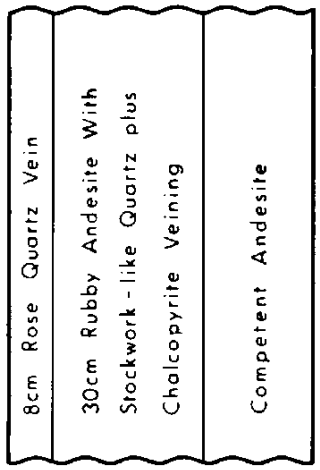


Figure 4A

ABERFORD RESOURCES LTD.

DETAILED GEOLOGY OF NORTH ZONE CHIP SAMPLES

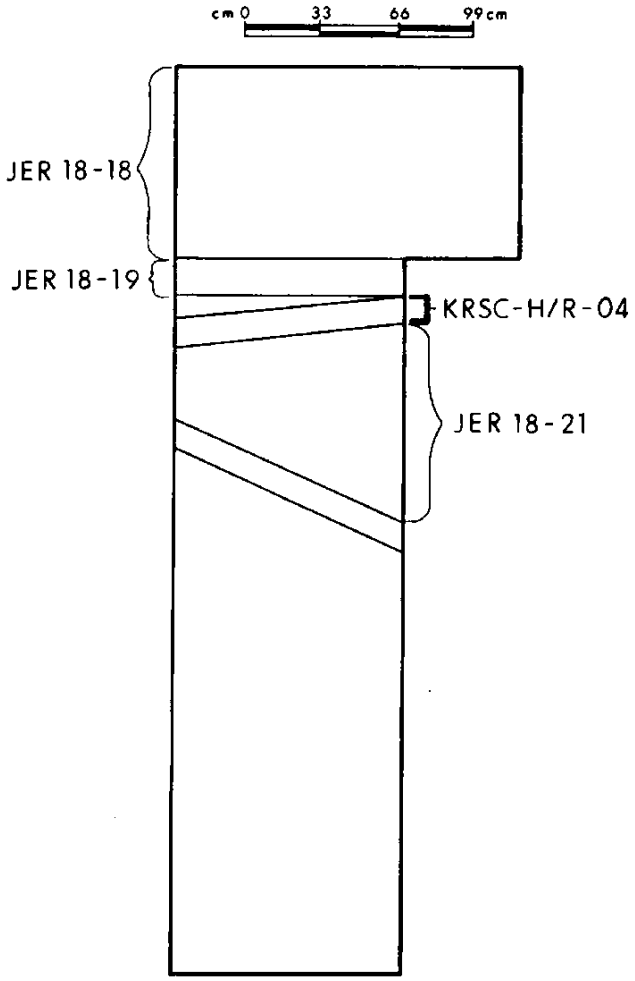
STIRLING PROJECT, 1983

DATE	SCALE	NTS	DRAWING NO.
JULY, 1984	AS SHOWN	92 I / 2	A-2092

LEB

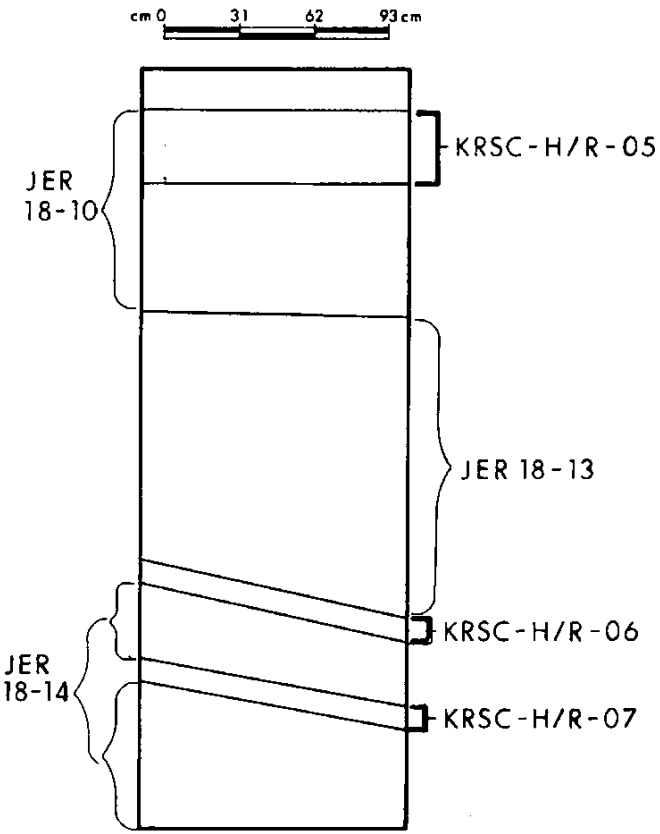
CHIP SAMPLE #3

SCALE 1:33



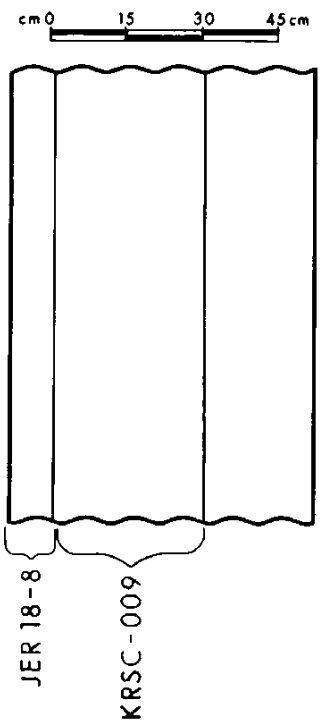
CHIP SAMPLE #4

SCALE 1:31



CHIP SAMPLE #5

SCALE 1:15



Chip Sample

Panned Rock Concentrates

LEB

Figure 4B

ABERFORD RESOURCES LTD.

DETAILS OF NORTH ZONE CHIP SAMPLES AND PANNED ROCK CONCENTRATES

STIRLING PROJECT, 1983

DATE	SCALE	NTS	DRAWING NO.
JULY, 1984	AS SHOWN	92 I / 2	A-2093

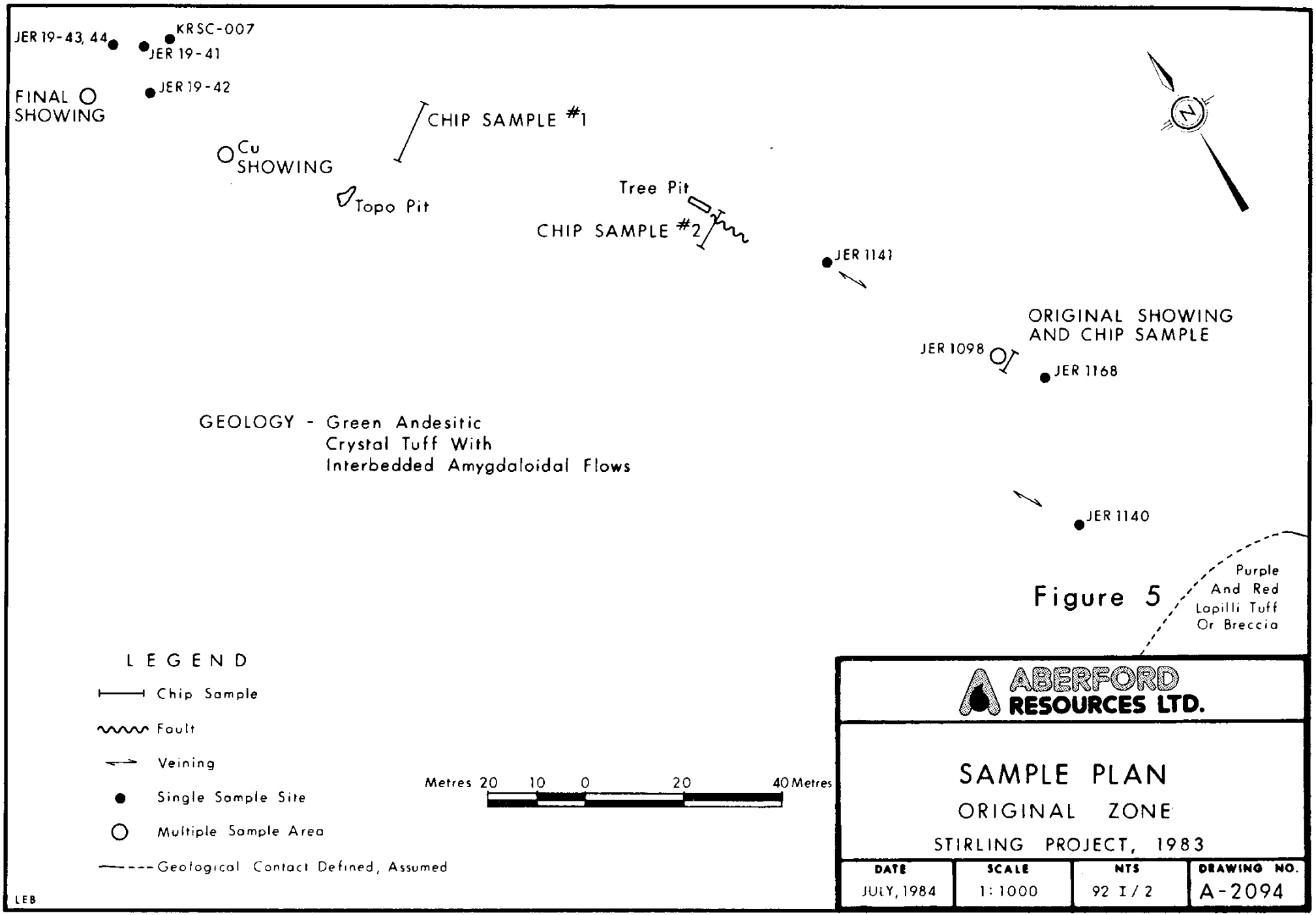


Figure 5

ABERFORD RESOURCES LTD.

SAMPLE PLAN
ORIGINAL ZONE
STIRLING PROJECT, 1983

DATE	SCALE	NTS	DRAWING NO.
JULY, 1984	1:1000	92 I / 2	A-2094

ORIGINAL ZONE
Chip Sample #1

Metres 0 1 2 3 Metres

SCALE 1:100

NO SAMPLE

GRAB: KRSC 001

JER 19-32

JER 19-33

JER 19-34

JER 19-35

060°

KRSC-H/R-01

JER 19-38

JER 19-39

KRSC-H/R-03

JER 19-40

LEB

ORIGINAL ZONE
Chip Sample #2

Centimetres 0 66 132 198 Centimetres

SCALE 1:66

NO SAMPLE

060°

JER 19-23

JER 19-24

JER 19-25

JER 19-26

FROM SHEARS KRSC-H/R-02
GRAB: KRSC-006

JER 19-27

JER 19-28

JER 19-29

JER 19-30

Chip Sample

Panned Rock Concentrate

ORIGINAL ZONE
Chip Sample On Original Showing

Centimetres 0 66 132 198 Centimetres

SCALE 1:66

JER 20-45

JER 20-46

JER 20-47

JER 20-48

JER 20-49

JER 20-50

045°

NO SAMPLE

JER 20-51

JER 20-52

JER 20-53

JER 20-54

Figure 5A

ABERFORD RESOURCES LTD.

DETAILS OF CHIP SAMPLES & PANNED ROCK CONCENTRATES

ORIGINAL ZONE

STIRLING PROJECT, 1983

DATE	SCALE	NTS	DRAWING NO.
JULY, 1984	AS SHOWN	92 I / 2	A-2095

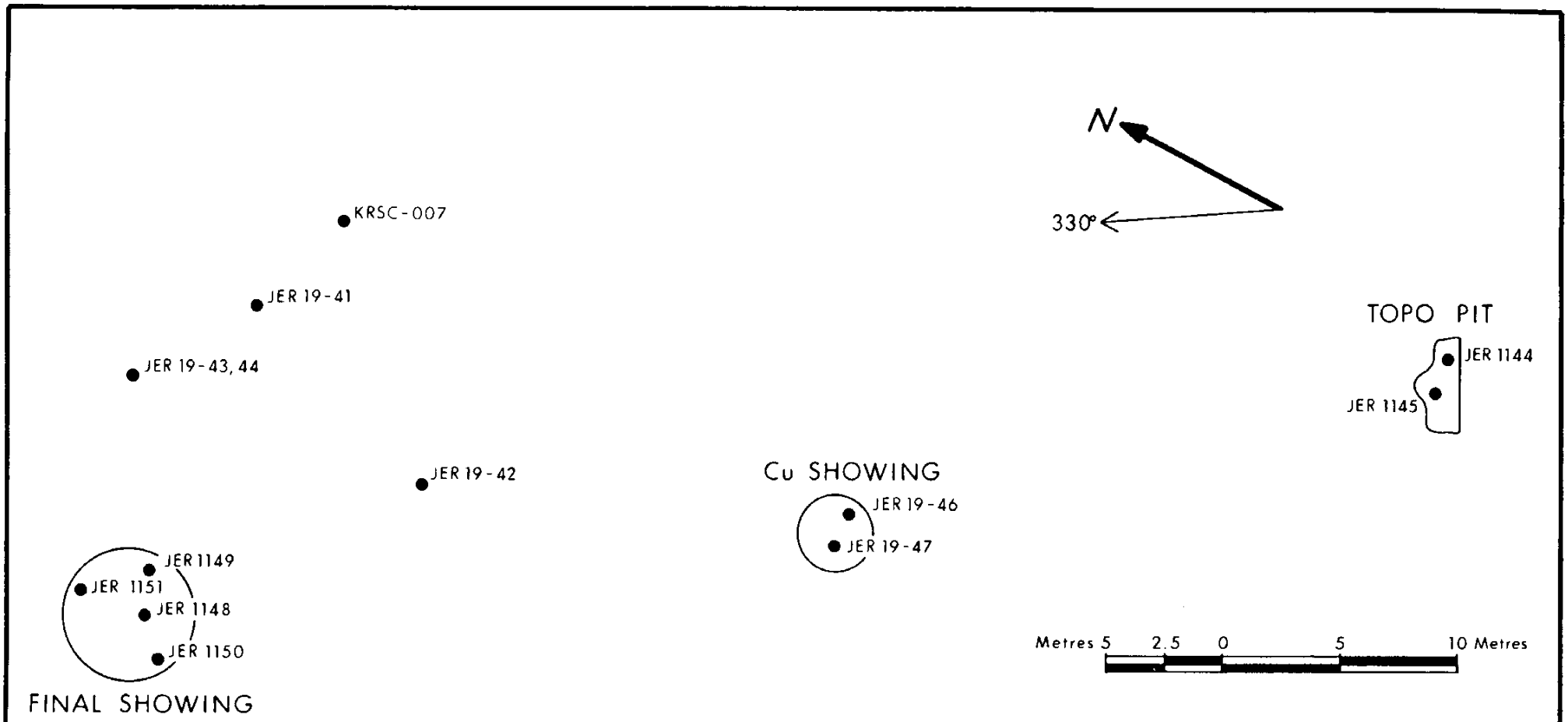


Figure 5 B

ABERFORD RESOURCES LTD.

DETAILS OF ROCK SAMPLING

ORIGINAL ZONE
WEST HALF
STIRLING PROJECT, 1983

DATE	SCALE	NTS	DRAWING NO.
JULY, 1984	1:250	92 I/2	A-2096

LEB

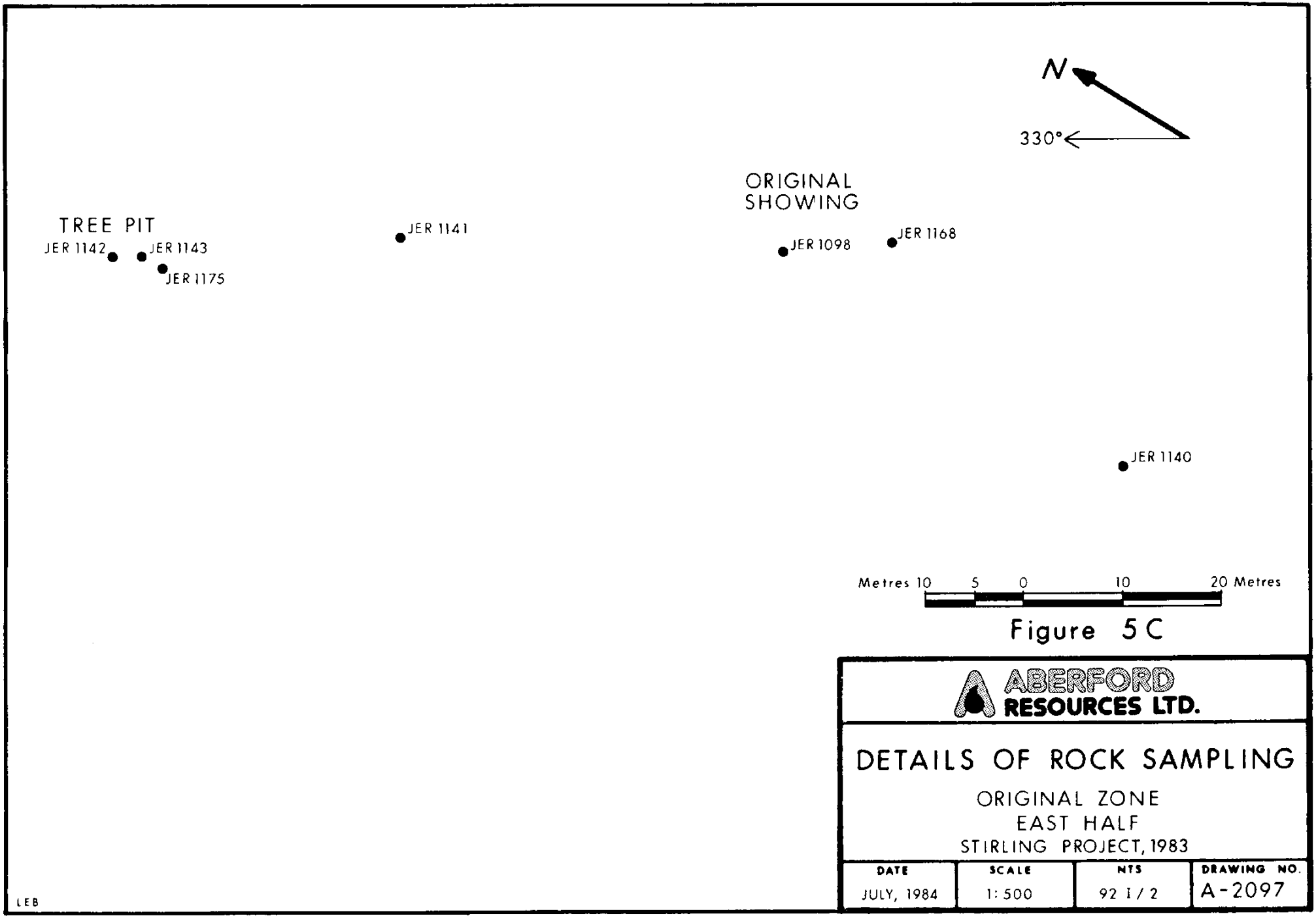


Figure 5C

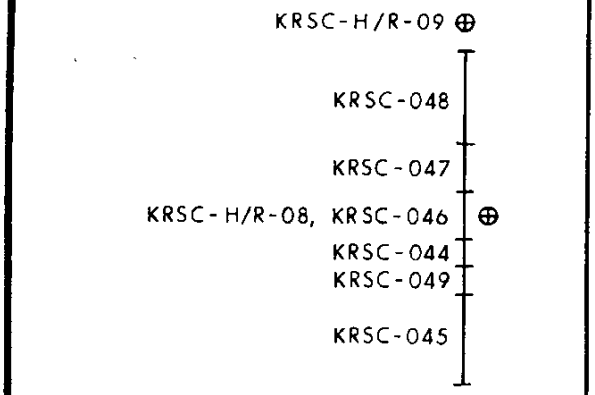
ABERFORD RESOURCES LTD.

DETAILS OF ROCK SAMPLING

ORIGINAL ZONE
EAST HALF
STIRLING PROJECT, 1983

DATE	SCALE	NTS	DRAWING NO.
JULY, 1984	1:500	92 I / 2	A-2097

LEB



Scale 1:50

DETAIL CHIP SAMPLING #6

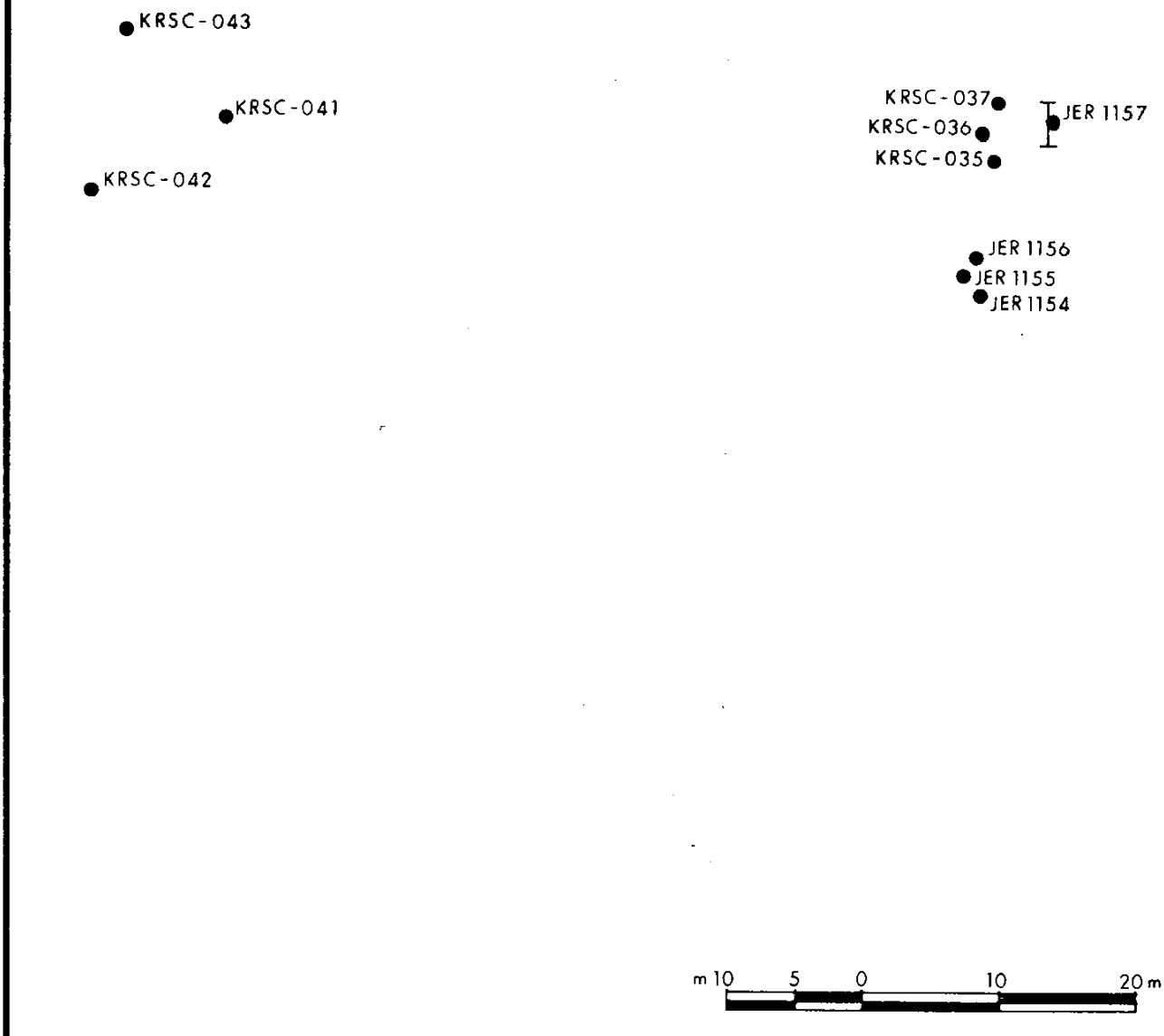


Figure 6

L E G E N D

—×— Reconnaissance Soil Line

⊢—⊣ Chip Sample

● Rock Sample

⊕ Panned Concentrate

LEB

ABERFORD RESOURCES LTD.

CHIP AND ROCK SAMPLES

SOUTH ZONE

STIRLING PROJECT, 1983

DATE	SCALE	NTS	DRAWING NO
JULY, 1984	1:500	92 I/2	A-2098

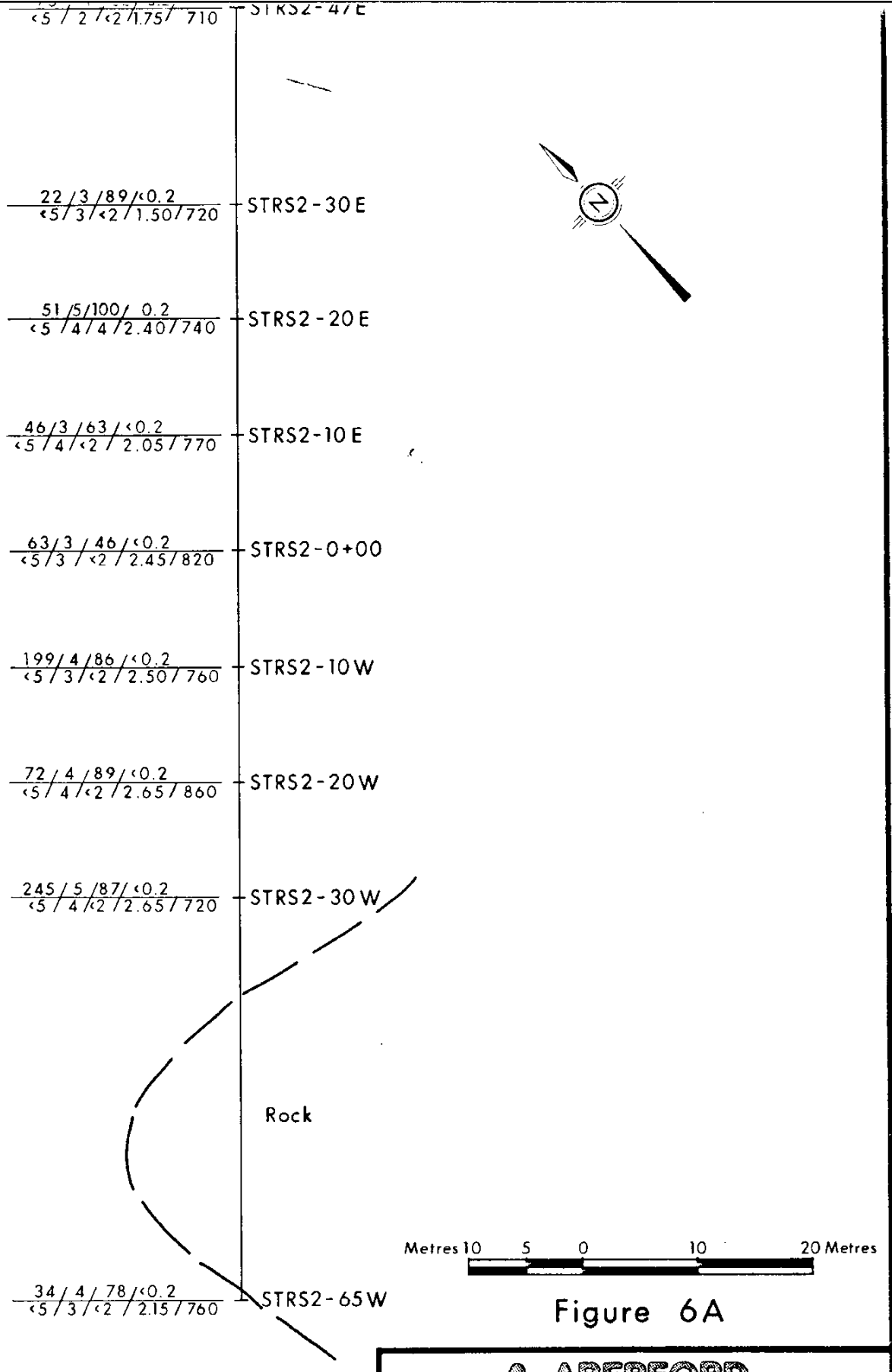


Figure 6A

ABERFORD RESOURCES LTD.

RECONNAISSANCE SOIL LINE RESULTS
SOUTH ZONE
STIRLING PROJECT, 1983

DATE	SCALE	NTS	DRAWING NO.
JULY 1984	1:500	92 I/2	A-2099

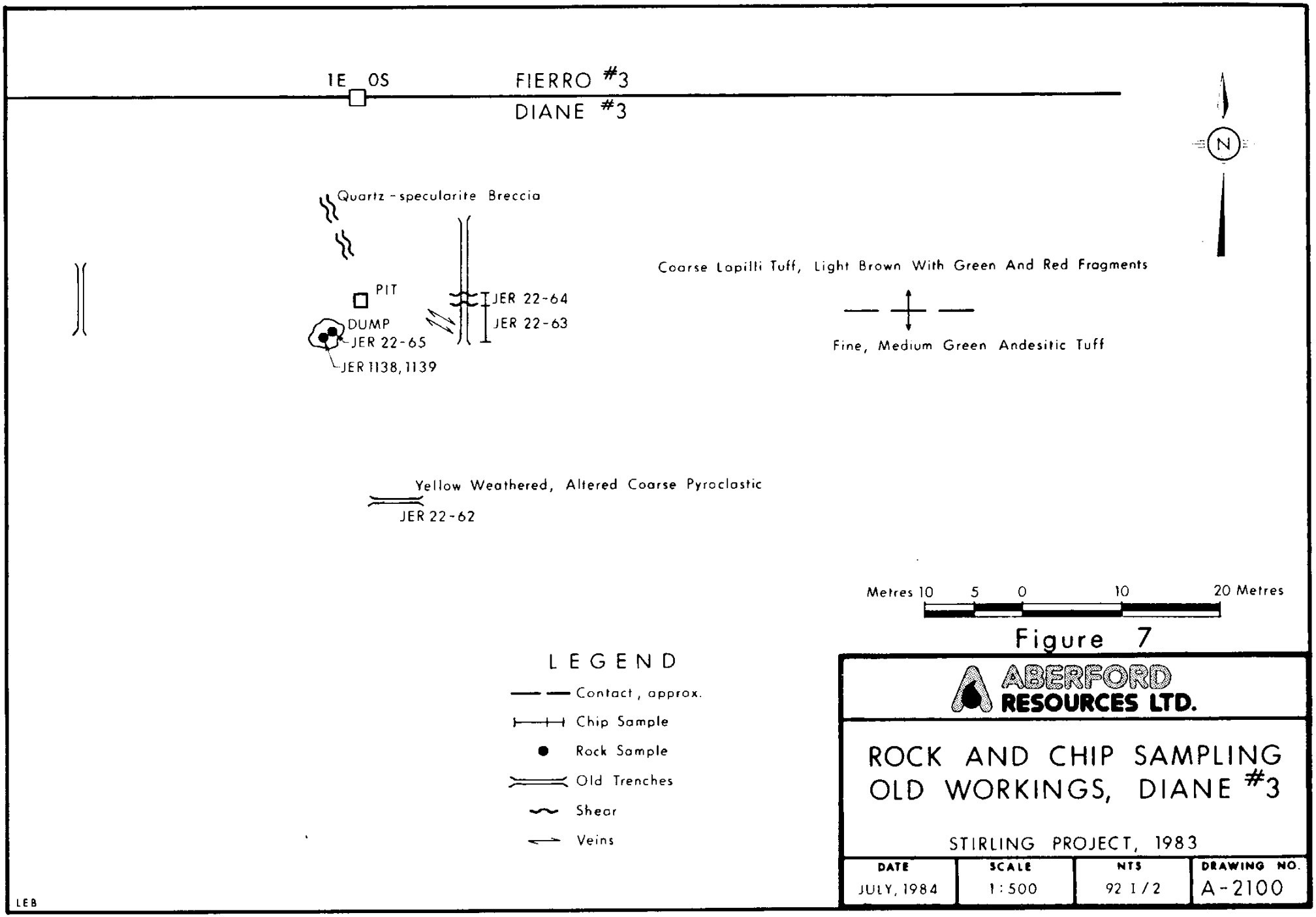


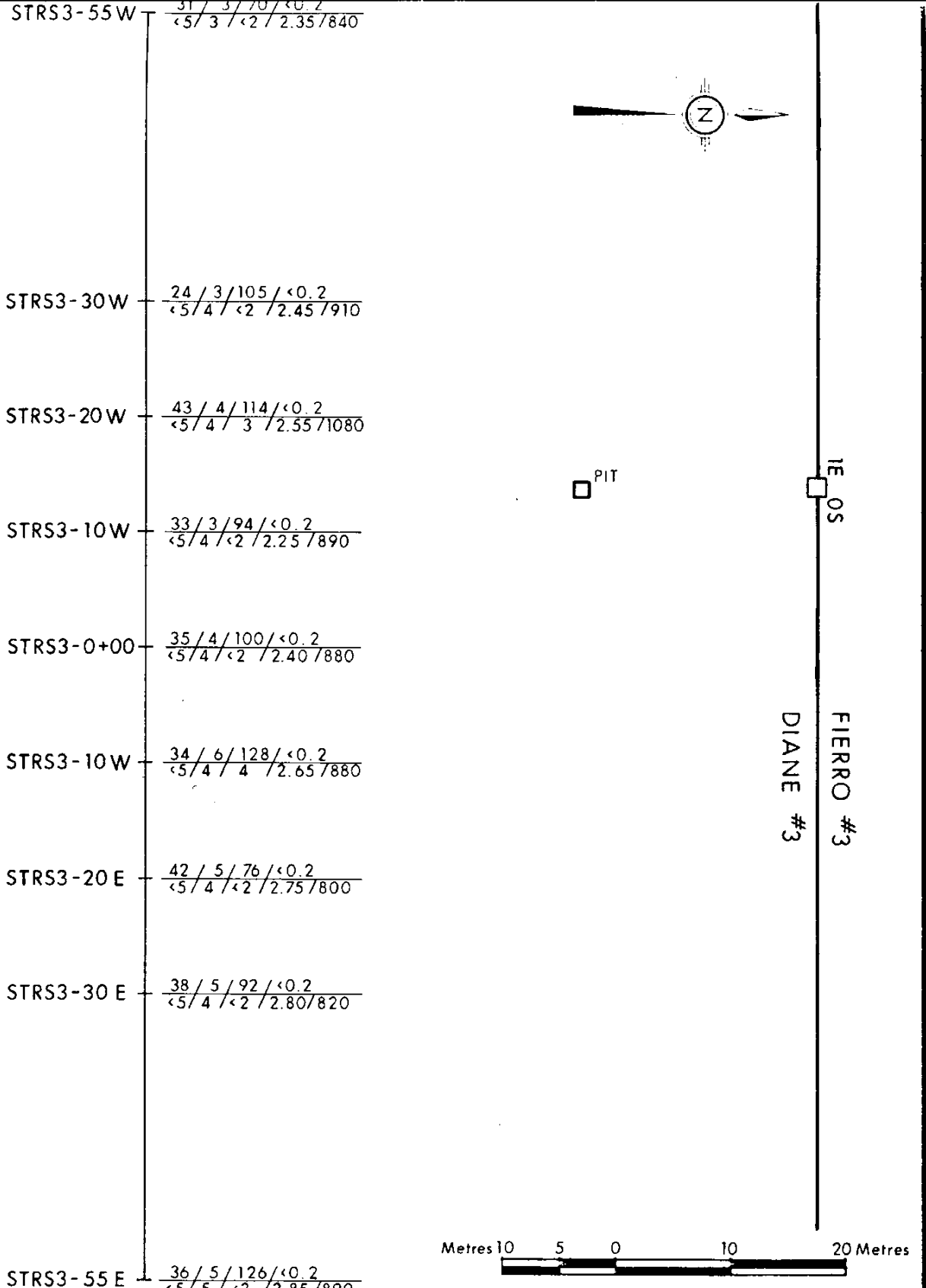
Figure 7

ABERFORD RESOURCES LTD.

ROCK AND CHIP SAMPLING OLD WORKINGS, DIANE #3

STIRLING PROJECT, 1983

DATE	SCALE	NTS	DRAWING NO.
JULY, 1984	1:500	92 I/2	A-2100



NOTE: Values in ppm except Au (ppb) Fe (%).

Figure 7A

ABERFORD RESOURCES LTD.

SOIL SAMPLE RESULTS OLD WORKINGS, DIANE #3

STIRLING PROJECT, 1983

DATE	SCALE	NTS	DRAWING NO.
JULY 1984	1:500	92 I / 2	A-2101

APPENDIX B

LIST OF SAMPLES AND ANALYTICAL VALUES

ROCK SAMPLES - Geochemical Analysis

		Au ppb	Ag ppm	Cu ppm	As	Pb	Zn
Original	1098	>10,000	34.0	>20,000	3	4	9

		Au ppm	
JER	1150	5	Final Showing, Original Zone
	1155	5	South Showing
	1158	15	North Showing
	1159	25	North Showing
	1163	155	North Showing
	1165	5	North Showing
	1176	<5	Diane 3, Northeast corner
	1177	<5	Diane 3, Northeast corner
	1178	<5	Diane 3, Northeast corner
	1179	<5	Diane 3, Northeast corner
	1180	<5	North Showing
	1181	<5	Diane 3, Northeast corner
	1182	<5	Diane 1, Road west
	1183	20	Diane 1, Road west

		Au ppb	Ag ppm	Cu ppm	
JER	14-1	35	1.1	2600	Diane #1, Road West
	15-5	35	<0.2	460	Diane #1, Road West
	15-6	105	1.7	1530	Diane #1, Road West
	15-7	95	1.4	1220	Diane #1, Road West
	18-13	80	1.1	5600	North Zone, Pit 4
	18-14	55	1.4	2600	North Zone, Pit 4
	18-18	15	0.2	4000	North Zone, Pit 3
	19-23	30	<0.2	460	Original, Pit 2
	19-35	570	2.8	1970	Original, Pit 1
	19-40	35	0.3	680	Original, Pit 1
STG-2		5	<0.2	1120	Diane #4

ROCK SAMPLES - Geochemical Analysis

		Pb ppm	Zn ppm	As ppm	Hg ppb	Te ppm	Tl ppm	Bi ppm	Sn ppm	Sb ppm	Ba ppm
JER 1098	Original	3	8	9	120	0.7	<0.5	<1	16	<2	100
1141	Original Tree	4	25	10	65	0.4	<0.5	<1	10	<2	200
1145	Original Topo	8	8	3	45	0.2	<0.5	<1	20	<2	230
1151	Original Final	9	11	11	20	2.8	<0.5	<1	<5	7	190
1157	N-South	3	4	4	15	0.2	<0.5	<1	<5	<2	170
1167	N-Shearing	3	20	11	250	8.0	<0.5	12	<5	5	110
1175	Original Tree	3	9	5	15	0.4	<0.5	<1	<5	<2	370

		Pb ppm	An ppm	Ag ppm	As ppm	Hg ppb	Te ppm	Tl ppm	Bi ppm	Sn ppm	Sb ppm	Ba ppm
JER 18-8	N. Zone Pit 5	<2	12	46.0	10	40	15.0	<0.5	17	<5	<2	60
18-10	N. Pit 4	<2	49	15.0	6	95	15.0	<0.5	3	<5	<2	390
18-19	N. Pit 3	<2	40	2.5	6	35	1.4	<0.5	<1	<5	<2	190
19-16	Original Pit 2	<2	36	4.2	7	40	0.8	<0.5	<1	<5	<2	240
19-27	Original Pit 2	<2	29	5.3	10	20	1.0	0.5	<1	<5	<2	350
19-28	Original Pit 2	<2	75	2.6	6	10	0.4	<0.5	<1	<5	<2	440
19-29	Original Pit 2	<2	28	4.9	10	25	0.6	<0.5	<1	<5	<2	320
STG-1	Diane #4	200	405	>50	380	>5000	0.4	0.5	<1	<5	1560	540
3	Diane #4	104	183	16.0	57	325	0.2	0.5	<1	<5	140	200
4	Diane #4	3	210	39.0	40	380	1.2	0.5	<1	<5	140	300
KRSC 044	S. Pit 6	<2	6	0.8	4	30	0.3	<0.5	<1	<5	5	540
045	S. Pit 6	<2	19	0.4	3	10	0.2	<0.5	<1	<5	<2	510
049	S. Pit 6	<2	5	2.2	5	10	0.5	<0.5	<1	<5	<2	160

ROCK SAMPLES - Assay

	Au oz/t	Ag oz/t	Cu %	
JER 1098	0.356	1.0	27.19	Original
1138	0.016	0.06	0.43	Diane #3
1139	0.027	0.07	0.08	Diane #3
1140	0.005	0.04	0.40	S. Original
1141	0.266	0.28	0.43	Original N. Tree Pit
1142	0.160	0.18	0.29	Original N. Tree Pit
1143	0.006	0.11	0.34	Original N. Tree Pit
1144	0.037	0.41	0.30	Original Topo Pit
1145	0.042	0.64	2.50	Original Topo Pit
1146	0.002	0.06	0.88	Original Topo Pit
1147	0.003	0.08	0.16	Original Topo Pit
1148	0.019	0.13	0.66	Original Final
1149	0.002	0.17	1.56	Original Final
1150	<0.002	0.14	0.17	Original Final
1151	0.135	0.51	0.09	Original Final
1152	0.068	0.13	1.75	North Zone
1153	0.004	0.04	0.27	North Zone
1154	0.011	0.34	1.61	South Zone
1155	<0.002	0.05	0.59	South Zone
1156	0.003	0.06	0.16	North-South
1157	0.171	0.07	0.06	North-South
1160	0.004	0.09	5.12	North Zone
1161	0.016	0.19	0.10	North Zone
1162	0.002	0.03	0.27	North Zone
1164	0.008	0.04	0.10	North Zone
1165	<0.002	0.02	0.53	North Zone
1166	0.009	0.11	1.68	North Zone
1167	0.124	0.42	0.70	North
1168	0.026	0.06	0.10	Original Tree

ROCK SAMPLES - Assay

	Au oz/t	Ag oz/t	Cu %	
JER 1175	0.058	0.08	0.14	Original Tree pit
1184	0.019	0.04	0.29	North
1185	0.004	0.23	0.35	North
1186	0.004	0.09	0.27	North
STG 1	0.003	3.89	1.44	Diane #4
3	0.003		0.69	Diane #4
4	0.007		1.32	Diane #4

	Au oz/t	Ag ppm	Cu %	
KRSC 001	<0.002	0.4	<0.01	Original Pit 1
04	0.029	3.6	0.05	Original Strip 2
06	0.067	3.3	2.64	Original Pit 2
07	0.002	13.0	4.55	Original Strip 7
09	0.011	6.2	0.29	N. Zone Pit 4
10	0.003	13.0	0.30	Original Pit 1
11	0.079	9.3	0.12	Original Strip 3
15	<0.002		0.05	North
035	0.006		0.24	South Zone
036	0.003		0.13	South Zone
037	0.026		0.21	South Zone
041	0.005	<0.2	0.04	South Zone
042	<0.002	<0.2	0.01	South Zone
043	<0.002	0.2	0.01	South Zone
044	0.045		0.12	South Zone Pit 6
045	0.011		0.14	South Zone Pit 6
046	0.010	<0.2	0.14	South Zone Pit 6
047	0.002	<0.2	0.18	South Zone Pit 6
048	0.003	0.2	0.31	South Zone Pit 6
049	0.153		0.06	South Zone Pit 6
050	0.005	0.3	0.19	South Zone Pit 6

ROCK SAMPLES - Assay

	Au oz/t	Ag ppm	Cu %	
JER 18-8	0.555		0.18	North Zone Pit 5
18-10	0.162		2.06	North Zone Pit 4
18-19	0.012		1.18	North Zone Pit 3
18-21	0.003	0.6	0.12	North Zone Pit 3
18-24	<0.002	<0.2	0.07	Original Pit 2
19-25	<0.002	<0.2	0.28	Original Pit 2
19-26	0.168		0.96	Original Pit 2
19-27	0.119		0.25	Original Pit 2
19-28	0.064		0.26	Original Pit 2
19-29	0.102		0.12	Original Pit 2
19-30	0.010	0.5	0.07	Original Pit 2
19-32	0.009	2.5	0.05	Original Pit 1
19-33	0.022	0.8	0.03	Original Pit 1
19-34	0.007	2.7	0.02	Original Pit 1
19-38	<0.002	0.9	0.05	Original Pit 1
19-39	0.010	18.0	0.31	Original Pit 1
19-41	<0.002	2.2	0.06	Original Strip 4
19-42	<0.002	33.0	0.68	Original Strip 2
19-43	0.026	15.0	0.64	Original Strip 3
19-44	0.006	4.2	0.48	Original Strip 3
20-45	0.184	3.3	0.04	Original Showing
20-46	0.079	2.7	0.12	Original Showing
20-47	0.037	2.5	0.12	Original Showing
20-48	0.002	0.2	0.10	Original Showing
20-49	0.068	1.5	0.88	Original Showing
20-50	0.025	1.3	0.75	Original Showing
20-51	0.005	0.4	0.09	Original Showing
20-52	0.014	0.9	0.07	Original Showing
20-53	0.016	1.2	0.08	Original Showing
20-54	0.007	0.4	0.08	Original Showing

ROCK SAMPLES - Assay

	Au oz/t	Ag ppm	Cu %	
JER 22-62	<0.002	<0.2	0.01	Diane 3
22-63	0.026	0.5	0.07	Diane 3
22-64	0.022	0.6	0.24	Diane 3
22-65	0.014	0.5	0.37	Diane 3

HEAVY MINERAL CONCENTRATES AND +6 MESH REJECTS

	Au oz/t	Ag oz/t	Cu %	As ppm	Ba ppm
KRSC-R-01	0.004	0.11	0.50	9	360
02	0.266	0.21	2.00	10	210
03	0.016	0.46	0.32	22	280
04	0.082	0.07	3.29	6	230
05	0.020	0.11	0.91	4	250
06	0.012	0.10	3.51	5	260
07	0.004	0.04	0.74	4	280
08A	0.010	0.02	0.12	4	710
08B	0.010	0.05	0.14	5	530
09	<0.002	0.03	0.14	4	720
10	0.002	0.6ppm	0.07	5	470
KRSC-H-01	0.008	0.13	0.37	16	460
02	0.417	0.24	1.56	9	230
03	0.036	0.40	0.40	32	320
04	0.040	0.11	3.20	10	220
05	0.148	0.33	1.48	5	260
06	0.020	0.11	4.36	7	270
07	0.002	0.06	1.02	4	310
08	0.018	0.02	0.18	8	480
09	<0.002	0.04	0.19	4	600
10	0.018	0.05	0.18	7	610

SOIL SAMPLING

	Cu	Pb	Zn	Ag	Fe	As	Au	Sb	Ba
STRS 2 - 0+00	40	6	46	<0.2	2.45	3	<5	<2	820
10E	46	3	63	<0.2	2.05	4	<5	<2	770
20E	51	5	100	0.2	2.40	5	<5	<2	740
30E	22	3	89	<0.2	1.50	3	<5	<2	720
47E	75	4	62	<0.2	1.75	2	<5	<2	710
10W	199	4	86	<0.2	2.50	3	<5	<2	760
20W	72	4	89	<0.2	2.65	4	<5	<2	860
30W	245	5	87	<0.2	2.65	4	<5	<2	720
65W	34	4	78	<0.2	2.15	3	<5	<2	760
STRS 3 - 0+00	35	4	100	<0.2	2.40	4	<5	<2	880
10E	34	6	128	<0.2	2.65	4	<5	4	880
20E	42	5	76	<0.2	2.75	4	<5	<2	800
30E	38	5	92	<0.2	2.80	4	<5	<2	820
55E	35	5	126	<0.2	2.85	5	<5	<2	890
10W	33	3	94	<0.2	2.25	4	<5	<2	890
20W	43	4	114	<0.2	2.55	4	<5	<2	1080
30W	24	3	105	<0.2	2.45	4	<5	<2	910
55W	31	3	70	<0.2	2.35	3	<5	<2	840

APPENDIX C

ROCK AND SOIL SAMPLE DESCRIPTIONS

IRON MOUNTAIN - ROCK SAMPLES
STIRLING SILVER-GOLD PROJECT

Sample #	Location	Type	Description
JER-1098	Original Showing	Grab	Massive specularite & Malachite
	Au - 0.356 oz/t	**Ag - 34ppm**	**Cu - 27.19%**
JER-1138	Pit Diane #3 Iron Mtn.	Grab	Quartz veining - clear to milky, dark grey in most places, malachite 10% Specularite 10% - veinlets & vugs
	Au 0.016 oz/t	**Ag - 0.06 oz/t**	**Cu - 0.43%**
JER-1139	Pit Diane #3 Iron Mtn.	Grab	Quartz veining - clear to milky, occasional vugs Specularite 10% veinlets & vugs malachite trace
	Au - 0.027 oz/t	**Ag - 0.07 oz/t**	**Cu - 0.08%**
JER-1140	Diane #1 25M @ 220 & 20m @ 150 from Original showing	Grab	Quartz vein trending 330°, 20m @ 150° from JER 1091-1093 Milky to grey (clear) quartz with 10% open spaces with terminated crystals - semi-cockcomb structure Chalcopyrite blebs 1% Malachite coatings, radial crystals <1% Specularite - coarse, space filling 2%
	Au - 0.005 oz/t	**Ag - 0.04 oz/t**	**Cu - 0.40%**
JER-1141	23m @ 150 from TREE pit	Grab	Specularite vein 5% malachite - crystaline space filling. Cuprite ?
	Au - 0.266 oz/t	**Ag - 0.28 oz/t**	**Cu - 0.43%**
JER-1142	TREE Pit North Wall	Grab	Quartz - specularite breccia: grey, rust-brown weathering 50% granular, clear quartz flooding 50% veining of specularite Sericite in quartz (?) orange
	Au - 0.16 oz/t	**Ag - 0.18 oz/t**	**Cu - 0.29%**
JER-1143	TREE Pit high grade (?) North Wall	Grab	Rust-brown weathering, highly fractured dark green to grey andesite-basalt breccia 25% quartz flooding as JER 1142 20% specularite veining 5% Malachite coatings, space filling
	Au - 0.006 oz/t	**Ag - 0.11 oz/t**	**Cu - 0.34%**
JER-1144	TOPO Pit	Grab	Specularite-Quartz breccia 75% Massive specularite 20% Quartz fragments, subrounded, rounded, subangular - 2 to 10mm 2% Malachite coatings & crystaline fillings
	Au - 0.037 oz/t	**Ag - 0.41 oz/t**	**Cu - 0.30%**

Sample #	Location	Type	Description
JER-1145	TOPO Pit	Grab	As above - high grade 25% quartz fragments 10% Malachite
	Au - 0.042 oz/t	**Ag - 0.64 oz/t**	**Cu - 2.50%**
JER-1146	Cu Showing 24m @ 330 from TOPO pit High grade	Grab	Hydrothermally altered quartz crystal tuff 15% hematitic fragments - brown weathering, green grey to light brown (altered) highly fractured, orange weathering coating in places 15% quartz crystals, rounded 2% Malachite coatings & crystals on fractured surfaces
	Au - 0.002 oz/t	**Ag - 0.06 oz/t**	**Cu - 0.88%**
JER-1147	Cu Showing just north of high grade, below tree	Grab	Brown weathering, green tuff 20% Hematitic fragments to 4mm ± silicification 30% Chlorite in groundmass Minor Malachite 1 cm quartz vein - 15% Hematite
	Au - 0.003 oz/t	**Ag - 0.08 oz/t**	**Cu - 0.16%**
JER-1148	Final Showing 30m @ 330 from Cu Showing	Grab	Quartz crystal tuff with hematitic fragments <1% Pyrite 3% Malachite coatings Some quartz flooding accompanied by (argillic? alteration
	Au - 0.019 oz/t	**Ag - 0.13 oz/t**	**Cu - 0.66%**
JER-1149	Final Showing	Grab	Quartz-Specularite veining 60% Quartz & Malachite 30% Hematite 3% Malachite
	Au - 0.002 oz/t	**Ag - 0.17 oz/t**	**Cu - 1.56%**
JER-1150	Final Showing	Grab	Specularite veins in massive to brecciated basalt/andesite. Breccia has quartz flooding 2% Malachite <1% Pyrite 5% Quartz 20% Specularite
	Au - <0.002 oz/t	**Ag - 0.14 oz/t**	**Cu - 0.17%**

Sample #	Location	Type	Description
JER-1151	Final Showing	Grab	Quartz vein - rose (hematite) 10% Specularite No visible Cu Clear quartz, cockscomb
	Au - 0.135 oz/t	**Ag - 0.51 oz/t**	**Cu - 0.09%**
JER-1152	North Zone on on road in outcrop	Grab	Quartz veining 5% Chalcopyrite 2% Malachite 2% Specularite in tuff - 40% silicified hematite fragments, chloritic groundmass
	Au - 0.068 oz/t	**Ag - 0.13 oz/t**	**Cu - 1.75%**
JER-1153	North Zone out of trench	Grab	Massive specularite vein in 10% quartz (vuggy) veins, 3% Malachite.
	Au - 0.004 oz/t	**Ag - 0.04 oz/t**	**Cu - 0.27%**
JER-1154	South Zone	Grab	Coarse grained specularite with 5% Malachite in hematite clast tuff ?
	Au - 0.011 oz/t	**Ag - 0.34 oz/t**	**Cu - 1.61%**
JER-1155	South Zone	Grab	Malachite veins and coatings in chloritic angular shard tuff with hematitic, hard groundmass
	Au - <0.002 oz/t	**Ag - 0.05 oz/t**	**Cu - 0.59%**
JER-1156	South Zone	Grab	Specularite in epidote altered host - breccia with specularite filling
	Au - 0.003 oz/t	**Ag - 0.06 oz/t**	**Cu - 0.16%**
JER-1157	South Zone	Grab	Specularite/quartz vein
	Au - 0.171 oz/t	**Ag - 0.07 oz/t**	**Cu - 0.06%**
JER-1158	Stirling Creek - float just below North Road	Grab	Quartz crystal tuff 30-60% rounded quartz crystals groundmass - 10-20% pyroxene crystals 10-20% chlorite Up to 5% interstitial pyrite Light green to grey, rusty weathering
	Au 15ppb		

Sample #	Location	Type	Description
JER-1159	Stirling Creek - same as above	Grab	Quartz crystal tuff as above but silicified - to 10% pyrite
Au - 25ppb			
JER-1160	North Zone 58m @ 310° surface debris	Grab	Copper-crete: fragments of specularite & quartz veins in concretion of Malachite & minor Azurite 50% Malachite 25% Specularite with banded black, punky mineral 25% quartz vein fragments & other fragments
Au - 0.004 oz/t	**Ag - 0.09 oz/t**		**Cu - 5.12%**
JER-1161	North Zone 58m	Grab	Massive specularite with clear quartz vein - very heavy
Au - 0.016 oz/t	**Ag - 0.19 oz/t**		**Cu - 0.10%**
JER-1162	North Zone 58m	Grab	Specularite veining in quartz crystal tuff minor pyrite
Au - 0.002 oz/t	**Ag - 0.03 oz/t**		**Cu - 0.27%**
JER-1163	North Zone - talus 58m	Grab	Epidote altered quartz crystal tuff with 2% pyrite
Au - 155ppb			
JER-1164	North Zone 58m	Grab	Massive specularite - very heavy
Au - 0.008 oz/t	**Ag - 0.04 oz/t**		**Cu - 0.10%**
JER-1165	North Zone 58m - outcrop	Grab	Red wet, dark green crystal tuff 5% quartz crystals - rounded to 4mm 20% pyroxene crystals to 2mm Chloritic groundmass, malachite coating
Au - <0.002 oz/t	**Ag - 0.02 oz/t**		**Cu - 0.53%**
JER-1166	North Zone 37m	Grab	As above, Green crystal tuff with specularite veins & quartz veins, breccia malachite coatings, minor pyrite.
Au - 0.009 oz/t	**Ag - 0.11 oz/t**		**Cu - 1.68%**

Sample #	Location	Type	Description
JER-1167	North Zone 37m	Grab	Specularite - quartz breccia
	Au - 0.124 oz/t	**Ag - 0.42 oz/t**	**Cu - 0.70%**
NOTE: all North Showing except 1165 are surface debris			
JER-1168	Original Zone	Grab	Gossan - highly altered, quartz flooded tuff(? 5% Pyrite Goethite coatings with pyrite Minor epidote
	Au - 0.026 oz/t	**Ag - 0.06 oz/t**	**Cu - 0.10%**
JER-1175	Original Zone, shear from TREE Pit	Grab	Cataclastic breccia of quartz, specularite and tuff in 20cm shear.
	Au - 0.058 oz/t	**Ag - 0.08 oz/t**	**Cu - 0.14%**
JER-1176	Talus from East Side	Grab	Silica infused welded (?) quartz tuff 15-20% Pyrite replacement and disseminations, grey to rusty weathering
	Au - <5ppb		
JER-1177	Talus from East Side	Grab	Silica flooded quartz crystal tuff (?) - Grey to mauve silica - 15% Pyrite replacement - Fragments of quartz to 1.5cm, mode 2mm
	Au - <5ppb		
JER-1178	Talus from East Side	Grab	Silica infused welded tuff - mauve portions are fragments of welded tuff - grey are silica infusion - possible cataclastic breccia
	Au - <5ppb		
JER-1179	Talus from East Side	Grab	Similar to creek talus in hand specimen.
	Au - <5ppb		
JER-1180	Subcrop from Stirling Creek @ 340° from North Showing, south side of creek	Grab	Gossan: altered quartz crystal tuff ? - soft, orange coloured, rusty weathering with rounded quartz crystals & microveins - specularite (?) microveins
	Au - <5ppb		

Sample #	Location	Type	Description
JER-1181	140m @ 330° from 1S/5E Diane #3	Grab	Quartz crystal tuff - brown weathering light to dark green 15% quartz crystals 5% pyrite replaced clasts 1% quartz - as microveins
Au - <5ppb			
JER-1182	Gully trending @ 330°, 300m north of 0N/2W Diane #1	Grab	Green to red coloured, rusty weathering lithic crystal tuff - Lithic clasts from altered andesite porphyry, with quartz crystals, tuff clasts - Silicified - 5-10% pyrite blebs, crystals - 2-5% Arsenopyrite ? - 2% Specularite Clasts 3mm to 2cm, matrix - fine lapilli to ash
Au - <5ppb			
JER-1183	Same as above	Grab	Weathered version of above - green-grey, light brown, rusty weathering
Au - 20ppb			
JER-1184	North Showing 250m along road from initial site	Grab	Quartz/malachite veining with malachite coatings in dark green crystal tuff - clear pyroxene (Augite?) crystals-anhedral rounded - quartz is generally clear - minor chalcopyrite
Au - 0.019 oz/t	**Ag - 0.04 oz/t**		**Cu - 0.29%**
JER-1185	250m, North Zone	Grab	Specularite breccia in same rock as above
Au - 0.004 oz/t	**Ag - 0.23 oz/t**		**Cu - 0.35%**
JER-1186	375m, North Zone	Grab	Same tuff with 10% Malachite coatings 5% specularite veins
Au - 0.004 oz/t	**Ag - 0.09 oz/t**		**Cu - 0.27**
JER 14-1		Grab, Geochem	Welded rhyolitic tuff, fractured and cut by specularite veins with chalco-pyrite coatings.
Au - 35ppb	**Ag - 1.1ppm**		**Cu - 2600ppm**

Sample #	Location	Type	Description
JER 15-5		Grab, Geochem	Pyroclastic with welded tuff fragments, quartz stockwork with minor specularite veining, rare malachite stain.
Au - 35ppb		**Ag - <0.2ppm**	**Cu - 460ppm**
JER 15-6		Grab, Geochem	2cm milky, cockscomb quartz vein
Au - 105ppb		**Ag - 1.7ppm**	**Cu 1530ppm**
JER 15-7		Grab, Geochem	Poorly sorted, medium to coarse pyroclastic: 30% felsic and mafic clasts of 1-3cm. Rare malachite coating
Au - 95ppb		**Ag - 1.4ppm**	**Cu - 1220ppm**
KRSC-009	North Zone Chip Samples	Chip Assay	1cm quartz veining adjacent to JER 18-8
Au - 0.011 oz/t			**Cu - 0.29%**
JER- 18-8	North Zone Chip Samples	Chip Assay	8cm vuggy, cockscomb rose quartz vein
Au - 0.555 oz/t			**Cu - 0.18%**
JER- 18-10	North Zone Chip Sample 4	Chip Assay	80cm chip across andesite with quartz vein & malachite stockwork microveining, specularite & malachite stockwork microveining, quartz & specularite breccia fill.
Au - 0.162 oz/t			**Cu - 2.06%**
JER 18-13	North Zone Chip Sample 4	Chip Geochem contiguous with JER 18-10	1.1m chip across andesite containing minor quartz microveins 0.25cm to 0.5cm wide
Au - 80ppb		**Ag - 1.1ppm**	**Cu - 5600ppm**
JER 18-14	North Zone Chip Sample 4	Chip Geochem contiguous with JER 18-13	65cm chip across featureless andesite, excluding shears.
Au - 55ppb		**Ag - 1.4ppm**	**Cu - 2600ppm**
KRSC-06	North Zone Chip Sample	Panned Conc.	Taken from 10 cm shear in JER 18-14
Au - 0.020 oz/t			
KRSC-07	North Zone Chip Sample	Panned Conc.	Taken from 10cm shear in JER 18-14
Au - 0.002 oz/t			
JER 18-18	North Zone Chip Sample 3	Chip Geochem	85cm chip across amygdaloidal basaltic to andesitic lava containing minor quartz microveins and specularite & quartz microveins. Minor malachite coating increases towards shear.
Au - 15ppb		**Ag - 0.2ppm**	**Cu - 4000ppb**

Sample #	Location	Type	Description
JER 18-19	North Zone, Chip Sample 3	Chip Assay contiguous with JER 18-18	15cm of yellow-brown altered basaltic to andesitic lava with 0.5cm quartz & specularite & chalcopyrite microvein
Au - 0.012 oz/t			**Cu - 1.18%**
KRSC-04	North Zone, Chip Sample 3	Panned Concentrate contiguous with JER 18-19	20cm rusty gouge zone with malachite. Some generally clear, vuggy, specularite filled parallel quartz veining
Au - 0.04 oz/t	**Ag - 0.11 ozot**		**Cu - 3.20%**
JER- 18-21	North Zone, Chip Sample 3	Chip Assay contiguous with KRSC-04	50cm chip across massive to amygdaloidal basalt to andesite with minor cross-cutting quartz microveins containing minor specularite and chalcopyrite
Au - 0.003 oz/t			**Cu - 0.12%**
JER- 19-23	Original Zone, Chip Sample 2	Chip, Geochem	1.45 metre chip across nondescript andesitic plagioclase crystal tuff
Au - 30ppb	**Ag - <0.2ppm**		**Cu - 460ppm**
JER 19-24	Original Zone, Chip Sample 2	Chip Assay contiguous with JER 19-23	30cm chip across yellow-brown altered crystal tuff containing a stockwork of specularite microveins
Au - <0.002 oz/t			**Cu - 0.07%**
JER 19-25	Original Zone, Chip Sample 2	Chip Assay contiguous with JER 19-24	70cm chip across unaltered, competent crystal tuff.
Au - <0.002 oz/t			**Cu - 0.28%**

* Note: Weighted Average Assay - 0.11 oz/t Au + 0.11% Cu over 3.90 metres.

JER 19-26*	Original Zone, Chip Sample 2	Chip Assay contiguous with JER 19-25	90cm chip across shear zone: 5cm intensely altered tuff. 20cm gouge (KRSC-02) 20cm competent tuff with malachite 20cm gouge (KRSC-02) 30cm intensely altered tuff
Au - 0.168 oz/t			**Cu - 0.96%**
KRSC-02	Original Zone, Chip Sample 2	Panned Concentrate	Total of 40cm of rusty-yellow gouge from 2-20cm shears.
Au - 0.417 oz/t			
KRSC-006	Original Zone, Chip Sample 2	Grab Assay	Sample of malachite stained tuff
Au - 0.067 oz/t			**Cu - 2.64%**

Sample #	Location	Type	Description
JER 19-27*	Original Zone, Chip Sample 2	Chip Assay contiguous with JER 19-26	70cm chip across moderately to highly altered yellow-ocre coloured crystal tuff containing specularite veining about 1cm wide. A 5cm specularite vein containing 2-4mm quartz fragments occurs about mid-sample
	Au - 0.119 oz/t		**Cu - 0.25%**
JER- 19-28*	Original Zone, Chip Sample 2	Chip Assay contiguous with JER 19-27	1.1 metre chip across moderately yellow-ocre coloured altered tuff with specularite microveins.
	Au - 0.064 oz/t		**Cu - 0.26%**
JER- 19-29*	Original Zone, Chip Sample 2	Chip Assay contiguous with JER 19-28	1.2 metre chip across highly altered yellow-ocre coloured tuff.
	Au - 0.102 oz/t		**Cu - 0.12%**
JER 19-30	Original Zone, Chip Sample 2	Chip Assay contiguous with JER 19-29	40cm chip across unaltered andesitic crystal tuff containing minor quartz microveins and minor specularite microveins.
	Au - 0.010 oz/t		**Cu - 0.07%**
KRSC-001	Original Zone, Chip Sample 1	Grab Assay	Amygdaloidal basalt to andesite with minor quartz microveining and 1-2% disseminated pyrite
	Au - <0.002 oz/t		**Cu - <0.01%**
JER 19-32	Original Zone, Chip Sample 1	Chip Assay adjacent to KRSC-001	1.1 metre chip across clear to smokey microcrystaline quartz vein (complete silicification zone ?) containing minor specularite veins 1-2cm wide and 2-3% cubical vugs (weathered pyrite ?)
	Au - 0.009 oz/t		**Cu - 0.05%**
JER 19-33	Original Zone, Chip Sample 1	Chip Assay contiguous with JER 19-32	10cm chip across massive specularite vein.
	Au - 0.022 oz/t		**Cu - 0.03%**
JER 19-34	Original Zone, Chip Sample 1	Chip Assay contiguous with JER 19-33	Identical to JER 19-32 (ie. continuation of same feature).
	Au - 0.007 oz/t		**Cu - 0.02%**

Sample #	Location	Type	Description
JER- 19-35	Original Zone, Chip Sample 1	Chip Geochem contiguous with JER 19-34	3.2 metre chip across low to moderately altered, silicified, aphanatic, light green volcanic containing quartz & pyrite microveins.
Au - 570ppb		**Ag - 2.8ppm**	**Cu - 1970ppm**
JER- 19-38	Original Zone, Chip Sample 1	Chip Assay beginning 3m from JER 19-35	Same rock as JER 19-35, but altered (bleached).
Au - <0.002 oz/t			**Cu - 0.05%**
JER 19-39	Original Zone, Chip Sample 1	Chip Assay contiguous with JER 19-38	1.5 metre chip across yellow-ocre altered volcanic on either side of shear (KRSC-03)
Au - 0.010 oz/t			**Cu - 0.31%**
KRSC-03	Original Zone, Chip Sample 1	Panned Concentrate	25cm wide shear of yellow-ocre grouge
Au - 0.03 oz/t		**Ag - 0.40 oz/t**	**Cu - 0.40%**
JER 19-40	Original Zone, Chip Sample 1	Chip Geochem contiguous with JER 19-39	2.0 metre chip across andesitic crystal tuff containing minor quartz & specularite microveining, and minor disseminated pyrite
Au - 35ppb		**Ag - 0.3ppm**	**Cu - 680ppm**
KRSC-010	Original Zone, Chip Sample 1	Grab Assay within JER 19-40	Same rock type as JER 19-40 with increased pyrite content.
Au - 0.003 oz/t			**Cu - 0.30%**
KRSC-004	Original Zone Stripping 2	Grab Assay	Massive specularite vein 2-3cm wide with malachite coatings.
Au - 0.029 oz/t			**Cu - 0.05%**
JER 19-42	Original Zone Stripping 2	Grab Assay	15cm specularite with quartz vein in crystal tuff. Minor malachite stain.
Au - <0.002 oz/t			**Cu - 0.68%**

Sample #	Location	Type	Description
KRSC-011	Original Zone Stripping 3	Grab Assay	
	Au - 0.079 oz/t		**Cu - 0.12%**
JER- 19-43	Original Zone Stripping 3	Grab Assay	2cm quartz vein with blebs of chalcopyrite as late stage centre filling of 22cm specularite vein (JER 91-44).
	Au - 0.026 oz/t		**Cu - 0.64%**
JER 19-44	Original Zone Stripping 3	Grab Assay	22cm massive specularite vein containing discontinuous layers of chalcopyrite about 1mm wide.
	Au - 0.006 oz/t		**Cu - 0.48%**
JER 19-41	Original Zone Stripping 4	Grab Assay	5cm quartz vein similar to JER 19-32, 19-34
	Au - <0.002 oz/t		**Cu - 0.06%**
KRSC-007	Original Zone Stripping 7	Grab Assay	Massive specularite
	Au - 0.002 oz/t		**Cu - 4.55%**
JER 20-45	Original Showing, Chip sampling	Chip Assay	50cm chip across 020° trend, vuggy mixture of quartz and quartz fragments in specularite.
	Au - 0.184 oz/t		**Cu - 0.04%**
JER 20-46	Original Showing Chip sampling	Chip Assay contiguous with JER 20-45	90cm chip across altered andesitic crystal tuff cut by specularite microveins and quartz microveins.
	Au - 0.079 oz/t		**Cu - 0.12%**
JER 20-47	Original Showing Chip sampling	Chip assay contiguous with JER 20-46	Massive specularite with 2-3mm quartz fragments.
	Au - 0.037 oz/t		**Cu - 0.12%**

Sample #	Location	Type	Description
JER 20-48	Original Showing Chip sampling	Chip assay contiguous with JER 20-47	80cm chip across unaltered crystal tuff. Minor quartz & specularite microveins. Minor malachite fracture coatings.
	Au - 0.002 oz/t		**Cu - 0.10%**
JER- 20-49	Original Showing Chip sampling	Chip assay contiguous with JER 20-48	25cm chip across 020° trend, specularite + quartz + malachite veining.
	Au - 0.068 oz/t		**Cu - 0.88%**
JER 20-50	Original Showing Chip sampling	Chip assay contiguous with JER 20-49	1.7metre chip across unaltered crystal tuff with minor malachite coating, quartz veinlets, and specularite veinlets
	Au - 0.025 oz/t		**Cu - 0.75%**
JER 20-51	Original Showing Chip sampling	Chip assay begins 60cm from JER 20-50	40cm chip across relatively unaltered crystal tuff with minor specularite microveins
	Au - <0.005 oz/t		**Cu - 0.09%**
JER 20-52	Original Showing Chip sampling	Chip assay contiguous with JER 20-51	25cm chip across specularite brecciated, highly altered crystal tuff. Minor quartz veinlets with malachite coatings.
	Au - 0.014 oz/t		**Cu - 0.07%**
JER 20-53	Original Showing, Chip sampling	Chip assay contiguous with JER 20-52	35cm chip across quartz veined and flooded crystal tuff containing minor pyrite, chalcopyrite and specularite blebs.
	Au - 0.016 oz/t		**Cu - 0.08%**
JER 20-54	Original Showing Chip sampling	Chip assay contiguous with JER 20-53	1.0 metre chip across slightly altered crystal tuff with minor specularite microveins.
	Au - 0.007 oz/t		**Cu - 0.08%**
JER 22-62	Old Trench near 1E-0S Diane #3 South of Pit	Grab assay	Highly altered, light yellow-brown pyroclastic
	Au - <0.002 oz/t		**Cu - <0.01%**

Sample #	Location	Type	Description
JER 22-63	Old Trench 1E-0S Diane #3 east of Pit	Chip assay	3.7 metre chip across intermittant zone of quartz-specularite in dark green crystal tuff.
Au - 0.026 oz/t			**Cu - 0.07%**
JER- 22-64	Old Trench as above	Chip assay	1.0 metre chip across altered, shear zone breccia with quartz veining.
Au - 0.022 oz/t			**Cu - 0.24%**
JER 22-65	Old Pit just south of 1E-0S Daine #3	Grab assay	Grab sample from dump of old pit. Quartz-specularite flooding zone with chalcopyrite and abundant malachite coatings. - duplicate of JER 1138, 1139
Au - 0.014 oz/t			**Cu - 0.37%**
KRSC 041	Downslope from South Zone	Grab assay	
Au - 0.005 oz/t			**Cu - 0.04%**
KRSC 042	Downslope from South Zone	Grab assay	
Au - <0.002 oz/t			**Cu - 0.01%**
KRSC 043	Downslope from South Zone	Grab assay	
Au - <0.002 oz/t			**Cu - 0.01%**
KRSC 044	South Zone, Chip Sample 6	Grab assay within KRSC 046	12cm quartz vein in shear
Au - 0.045 oz/t			**Cu - 0.12%**
KRSC 045	South Zone, Chip Sample 6	Chip assay	60cm chip across altered andesite
Au - 0.011 oz/t			**Cu - 0.14%**
KRSC 046	South Zone, Chip Sample 6	Chip assay contiguous with KRSC 045	43cm chip across altered andesite
Au - 0.010 oz/t			**Cu - 0.14%**

Sample #	Location	Type	Description
KRSC 049	South Zone Chip Sample 6	Grab assay within KRSC 046	12cm quartz vein parallel to KRSC 044
Au - 0.153 oz/t			**Cu - 0.06%**
KRSC 08	South Zone Chip Sample 6	Panned Conc.	Rusty gouge material from shear containing quartz veins.
Au - 0.018 oz/t			
KRSC 047	South Zone Chip Sample 6	Chip assay contiguous with KRSC 046	33cm chip
Au - 0.002 oz/t			**Cu - 0.18%**
KRSC 048	South Zone Chip Sample 6	Chip assay contiguous with KRSC 047	60cm chip
Au - 0.003 oz/t			**Cu - 0.31%**
KRSC 09	South Zone Chip Sample 6	Panned Conc. adjacent to KRSC 048	Rusty shear gouge
Au - <0.002 oz/t			
KRSC 050	South Zone	Grab assay, Float	
Au - 0.005 oz/t			**Cu - 0.19%**
STG-1	Diane #4 System East of North Zone	Grab assay	3-5% chalcopyrite veins and blebs in altered, rusty weathered volcanic cut by vuggy quartz microveins - trends east-west
Au - 0.003 oz/t		**Ag - 3.89 oz/t**	**Cu - 1.44%**
STG-2	Diane #4 near 1N-1W	Grab, Geochem	Quartz filled amygdaloidal basalt with blebs of chalcopyrite
Au - 5ppb		**Ag - <0.2ppm**	**Cu - 1120ppm**
STG-3	Diane #4 System East of North Zone	Grab assay	5cm vuggy, cockscomb quartz vein with malachite coatings
Au - 0.003 oz/t			**Cu - 0.69%**
STG-4	Diane #4 System East of North Zone	Grab assay	Highly altered, red weathered volcanic with chalcopyrite microveins
Au - 0.007 oz/t			**Cu - 1.32%**
KRSC-10	System North of North Zone	Panned Conc.	
Au - 0.018 oz/t			

STIRLING GROUP

SOIL SAMPLE DESCRIPTIONS

Station		Horizon	Description	Depth
STRS 2	0+00	A	Fine grained, light brown with grey ash.	5-15cm
STRS 2	10W	A-B	Medium brown with many moss fibres and angular pebble to boulder size fragments of volcanic rock.	10-20cm
STRS 2	20W	A	Medium brown with many moss fibres. Poor soil development.	5-15cm
STRS 2	30W	A	Medium brown with many moss fibres. Poor soil development.	5-15cm
STRS 2	65W	B	Medium brown with high clay content, sub-angular cobble-sized fragments of volcanic rock.	20cm
STRS 2	10E	B	Brownish orange with high organic content.	20-25cm
STRS 2	20E	B	As above, but high clay content.	20cm
STRS 2	30E	A	Light brown, moderate organics, no clay. Poor soil development.	5-10cm
STRS 2	47E	A-B	Light to medium brown, moderate rootlet content.	10-15cm
STRS 3	0+00	A	Dark brown, high organic content in humus.	20cm
STRS 3	10E	B	Medium brown to orange.	20-30cm
STRS 3	20E	A-B	Medium brown with moderate clay and humus.	20-30cm
STRS 3	30E	A	Medium to dark brown, moderate humus.	20-30cm
STRS 3	55E	A	Dark brown with moderate clay content.	20-30cm
STRS 3	10W	A	Medium brown with moderate organic content.	10-25cm
STRS 3	20W	A	Medium to dark brown, moderate organics.	15-25cm
STRS 3	30W	A-B	Medium brown, low clay and organic content.	10-20cm
STRS 3	55W	A-B	Medium brown, low clay and organic content.	10-20cm

APPENDIX D

SEMI-QUANTITATIVE ANALYSIS:

35 ELEMENT XRF SCAN

BONDAR-CLEGG & COMPANY LTD.
130 PEMBERTON AVE., NORTH VANCOUVER, B.C. V7P 2R5 PHONE: 985-0681 TELEX: 04-352667

SEMI-QUANTITATIVE ANALYSIS

No: 223-1278

Sample No.: J-JER-1098 From: ABERFORD

Method: XRF and E-SPEC Date: Jan. 3 1984

No. of Elements: 35 Analyst:

TRACE ELEMENTS (%)	< .003	.003 - .01	.01 - .03	.03 - 0.1	0.1 - 0.3	0.3 - 1.0	1.0 - 3.0	3.0 - 10.0	> 10.0	REMARKS
Ag	X									
Cu									X	
Pb	X									
Zn	X									
Mo	X									
Fe								X		
W	X									
Ni	X									
Co	X									
Cr	X									
As		*								* < .01%
Sb	X									
Mn		X								
V		X								
Bi	X									
Sn	X									
Zr	X									
B	X									* > 0.2%
Ba	X									
Be	X									* > 0.1%
La	X									
Nb	X									
Sr	X									
Y	X									
Ce	X									
U	X									
Th	X									
MAJOR ELEMENTS (%)										
CaO			X							
MgO		X								
TiO_2				X						* > 2%
Na_2O				X						* > 7%
K_2O					*					* < 0.6%
SiO_2							X			* < 2%
Al_2O_3					*					* < 0.2%
P_2O_5						*				* < 0.4% * > 4.0%

* Not measured less than or above noted detection limits

BONDAR-CLEGG & COMPANY LTD.
130 PEMBERTON AVE., NORTH VANCOUVER, B.C. V7P 2R5 PHONE: 985-0681 TELEX: 04-352667

SEMI-QUANTITATIVE ANALYSIS

No: 323-1862

Sample No.: J-JER-1167 From: ABERFORD

Method: XRF and E-SPEC Date: Jan. 3 1984

No. of Elements: 35 Analyst:

TRACE ELEMENTS (%)	< .003	.003 - .01	.01 - .03	.03 - 0.1	0.1 - 0.3	0.3 - 1.0	1.0 - 3.0	3.0 - 10.0	> 10.0	REMARKS
Ag	X									
Cu				X						
Pb	X									
Zn	X									
Mo	X									
Fe								X		
W	X									
Ni	X									
Co	X									
Cr		X								
As		X								* < .01%
Sb	X									
Mn			X							
V		X								
Bi	X									
Sn	X									
Zr	X									
B	X									* > 0.2%
Ba	X									
Be	X									* > 0.1%
La	X									
Nb	X									
Sr	X									
Y	X									
Ce	X									
U	X									
Th	X									
MAJOR ELEMENTS (%)										
CaO			X							
MgO				X						
TiO_2				X						* > 2%
Na_2O				X						* > 7%
K_2O					X					* < 0.6%
SiO_2									X	* < 2%
Al_2O_3								X		* < 0.2%
P_2O_5						X				* < 0.4% * > 4.0%

* Not measured less than or above noted detection limits

BONDAR-CLEGG & COMPANY LTD.
130 PEMBERTON AVE., NORTH VANCOUVER, B.C. V7P 2R5 PHONE: 985-0681 TELEX: 04-352667

SEMI-QUANTITATIVE ANALYSIS

No: 323-3372

Sample No.: 1 JER 18-10 From: ABERFORD

Method: XRF and E-SPEC Date: Jan. 3 1984

No. of Elements: 35 Analyst:

RACE ELEMENTS (%)	< .003	.003 - .01	.01 - .03	.03 - 0.1	0.1 - 0.3	0.3 - 1.0	1.0 - 3.0	3.0 - 10.0	> 10.0	REMARKS
Ag	X									
Cu						X				
Pb	X									
Zn	X									
Mo	X									
Fe									X	
W	X									
Ni	X									
Co	X									
Cr		X								
As		*								* < .01%
Sb	X									
Mn				X						
V			X							
Bi	X									
Sn	X									
Zr		X								
B	X									* > 0.2%
Ba			X							
Be	X									* > 0.1%
La	X									
Nb	X									
Sr	X									
Y	X									
Ce	X									
U	X									
Th	X									
AJOR ELEMENTS (%)										
CaO					*					
MgO						*				
TiO_2						*				* > 2%
Na_2O				X						* > 7%
K_2O					*					* < 0.6%
SiO_2									X	* < 2%
Al_2O_3							X			* < 0.2%
P_2O_5						*				* < 0.4% * > 4.0%

* Not measured less than or above noted detection limits

APPENDIX E

STATEMENT OF EXPENDITURES

SUMMARY OF EXPENDITURES
STIRLING GROUP

Wages	$12,577.00
Accommodation	658.42
Meals	590.25
Truck Rental	918.30
Fuel	275.30
Field Equipment	12.82
Business Expense	223.82
Report Cost	2,000.00
Analytical Cost	3,655.60
TOTAL EXPENDITURE	$20,911.41
Total Transferred from PAC Account	5,888.59
TOTAL ASSESSMENT	$26,800.00

Stirling Group (Diane #1-#5 Claims)

Diane #1:	20 units x $100.00/unit x 3 years =	$6,000.00
	20 units x $200.00/unit x 1 year =	4,000.00
Diane #2:	12 units x $100.00/unit x 3 years =	3,600.00
	12 units x $200.00/unit x 1 year =	2,400.00
Diane #3:	15 units x $100.00/unit x 3 years =	4,500.00
	15 units x $200.00/unit x 1 year =	3,000.00
Diane #4:	9 units x $100.00/unit x 3 years =	2,700.00
Diand #5:	2 units x $100.00/unit x 3 years =	600.00
		$26,800.00

EXHIBIT "A"
STATEMENT OF EXPENDITURES
STIRLING GROUP
Consisting of the Diane 1-5 Claims
Nicola Mining Division
NTS 92 I/2

Wages			
B. W. Smee, Exploration Supervisor			
Field Work July 24	1 day @ $300/day		$300.00
G. F. McArthur, Senior Geologist			
Travel October 12, 23	2 days @ $225/day	$ 450.00	
Field Work October 13-22	10 days @ $225/day	2,250.00	
Report Writing	14 days @ $225/day	3,150.00	$5,850.00
J. E. Robinson, Geologist			
Field Work July 24-30	7 days @ $125/day	$ 875.00	
Travel October 12, 23	2 days @ $125/day	250.00	
Field Work 13-22	10 days @ $125/day	1,250.00	
Report Writing	10 days @ $125/day	1,250.00	
	6 days @ $137/day	822.00	$4,447.00
K. L. Reading, Prospector			
Field Work July 24-30	7 days @ $110/day	770.00	
Travel October 12, 13	2 days @ $110/day	220.00	
Field Work October 14-22	9 days @ $110/day	990.00	1,980.00
		TOTAL WAGES	$12,577.00
Accommodation			658.42
Meals			590.25
Truck Rental	11 days @ $31.50/day	$348.30	
	7 days @ $30.00/day	210.00	
	12 days @ $30.00/day	360.00	918.30
Fuel			275.43
Field Equipment			12.82
Business Expense			223.82
Report Cost	Typing and Binding, Cipias, Blacklines, Photocopying, Drafting		$2,000.00

STATEMENT OF EXPENDITURES
STIRLING GROUP
ANALYTICAL COSTS

Shipment #1

32	Rock Assay @ $18.50/sample		$592.00
	Au + Cu + Ag + Prep. = $18.50/sample		
	7.00 + 5.00 + 3.50 + 3.00 = $18.50/sample		
3	Rock Geochemistry @ $6.00/sample		18.00
	Au		
	6.00		
11	Rock Geochemistry @ $9.10/sample		100.10
	Au + Prep. + Sample Retention = $9.10/sample		
	6.00 + 2.75 + 0.35 = $9.10/sample		
2	Data Set Charge @ $2.50	$5.00	
14	Single Datum Transmission @ 0.10/datum	1.40	6.40
	SUBTOTAL SHIPMENT #1		$ 715.50

Shipment #2

58	Rock Assay @ $15.00/sample		$870.00
	Au + Cu + Prep. = $15.00/sample		
	7.00 + 5.00 + 3.00 = $15.00/sample		
1	+6 Mesh Pan Reject Assay @ $15.00/sample		15.00
	Au + Cu + Prep. = $15.00/sample		
	7.00 + 5.00 + 3.00 = $15.00/sample		
5	Panned Rock Concentrate Assay @ $10.00/sample		50.00
	Au + Prep. = $10.00/sample		
	7.00 + 3.00 = $10.00/sample		
11	Rock Geochemistry @ $11.95/sample		131.45
	Au + Ag + Cu + Prep. + Sample Retention = $11.95/sample		
	6.00 + 1.90 + 0.95 + 2.75 + 0.35 = $11.95/sample		
2	Data Set Charge @ $2.50/set	$5.00	
75	Single Datum Transmission @ 0.10/datum	7.50	12.50
	SUBTOTAL SHIPMENT #2		$1,078.95

STIRLING GROUP
ANALYTICAL COSTS

Analyses on Existing Pulps

3	35 Element XRF Scan on Rock Pulps @ $25.00/sample	$75.00
41	Rock Geochemistry @ $1.90/sample	77.90
	Au 1.90	
7	Rock Geochemistry @ $33.25/sample	232.75
	Pb + Zn + Sb + Sn + Tl + Te + 1.90 + 0.95 + 3.00 + 3.00 + 5.25 + 5.25 +	
	Bi + Ba + Hg + As = $33.25/sample 2.75 + 4.00 + 4.00 + 3.25 = $33.25/sample	
13	Rock Geochemistry @ $34.30/sample	445.90
	Ag + Pb + Zn + Sb + Sn + Tl + 1.90 + 0.95 + 0.95 + 3.00 + 3.00 + 5.25 +	
	Te + Bi + Ba + Hg + As = $34.30/sample 5.25 + 2.75 + 4.00 + 4.00 + 3.25 = $34.30/sample	
5	Panned rock Concentrate Analyses[1] @ $19.25/sample	96.25
	Cu + Ag + As + Ba = $19.25/sample 5.00 + 7.00 + 3.25 + 4.00 = $19.25/sample	
1	+6 Mesh Pan Reject Analyses[2] @ $9.15/sample	9.15
	Ag + As + Ba = $9.15/sample 1.90 + 3.25 + 4.00 = $9.15/sample	
1	Rock Geochemistry @ $33.35/sample	33.35
	Pb + Zn + As + Bi + Hg + 1.90 + 0.95 + 3.25 + 2.75 + 4.00 +	
	Te + Tl + Ba + Sb + Sn = $33.35/sample 5.25 + 5.25 + 4.00 + 3.00 + 3.00 = $33.35/sample	
7	Data Set Charge @ $2.50 $17.50	
92	Single Datum Transmission @ 0.10 9.20	26.70
	SUBTOTAL ADDITIONAL ANALYSES	$997.00

1 Cu + Ag Assay; As + Ba Geochemistry
2 Ag + As + Ba Geochemistry

STIRLING GROUP
ANALYTICAL COSTS

Shipment #3

18	Soil Geochemistry @ $22.95/sample		$413.10
	Ag 1.90 + Pb 0.95 + Zn 0.95 + Cu 0.95 + Au 6.00 + As 3.25 + Sb 3.00 + Ba 4.00 + Fe 0.95 + Prep. 0.75 + Sample Retention 0.25 = $22/95/sample		
5	Panned Rock Concentrate Analyses[3] @ $27.50/sample		137.50
	Au 3.50 + Cu 5.00 + Ag 7.00 + As 3.25 + Ba 4.00 + Prep. 5.75 = $27.50/sample		
10	+6 Mesh Pan Reject Analyses[3] @ $28.50/sample		285.00
	Au 3.50 + Cu 5.00 + Ag 7.00 + As 3.25 + Ba 4.00 + Prep 5.75 + Sample Retention 0.35 = $28.85/sample		
2	Data Set Charge @ $2.50/set	$5.00	
33	Single Datum Transmission @ 0.10	3.30	
1	Shipping Charge	20.15	28.45
	SUBTOTAL SHIPMENT #3		$ 864.05
	TOTAL ANALYTICAL COST		$3,655.50

3 Assay Au + Cu + Ag; Geochemistry As + Ba

APPENDIX F

AUTHORS QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Gerald F. McArthur of Calgary, Alberta, hereby certify that I supervised the author of this report, which is based on the results of an exploration program conducted on the Stirling Group, DIANE 1-5 Mineral Claims. Field work for this program was conducted under my supervision by a field crew employed by Aberford Resources Ltd.

1) I am a geologist residing at 111 Chelsea Street, N.W., Calgary, Alberta and am currently employed by Aberford Resources Ltd., of 300 - 5th Avenue, S.W., Calgary, Alberta.

2) I graduated from the University of British Columbia in 1973 with a B.Sc. degree in Geology and have practised my profession since that time.

3) I am a professional geologist registered in the province of Alberta.

Signature: Gerald F. McArthur

Gerald F. McArthur

STATEMENT OF QUALIFICATIONS

I, John E. Robinson of Calgary, Alberta, hereby certify that:

1) I am a graduate of Syracuse University (1981) with a B.Sc. degree in Geology.

2) I have been actively and continuously engaged in the practice of mineral exploration for at least 2 years.

3) I am presently employed by Aberford Resources Ltd. of 300 - 5 Avenue S.W., Calgary, Alberta.

4) I performed the work described in this report for Aberford Resources Ltd. of 300 - 5 Avenue S.W., Calgary, Alberta.

5) I performed the work describe herein under the supervision of Gerald F. McArthur, Senior Geologist, Aberford Resources Ltd.

John E Robinson

John E. Robinson,
Geologist

DIANE 1

DIANE 2

DIANE 3

DIANE 4

DIANE 5

GWEN LAKE ROAD

Stirling Creek

IRON MTN. ROAD

IRON MTN.

LAKE

COMSTOCK

3000

3500

4000

4500

5000

LEGEND

(PREL. MAP #47 - BCMM)

LATE TRIASSIC NICOLA GROUP

	3p	Dacite Porphyritic Flow Breccia
	3j	Accretionary Lapilli Tuff
	3i	Dacite Flow, Breccia, Tuff
	3h	Limestone, Limy Sediments
	3f	Andesite Flow, Breccia (amygdaloidal)
	3e	Ash Flow Tuff
	3d	Dacite - Rhyolite Flow, Breccia
Transitional	3c	Mixed Andesite - Dacite Breccia
	3b	Andesite Breccia
	3a	Andesite - Basalt Flow, Porphyritic

Mineralization

SYMBOLS

- Roads
- Creek
- Area Of Outcrop
- Geologic Contact
- Fault
- Trench
- Adit

Metres 240 120 0 240 480 720 960 Metres

TO ACCOMPANY REPORT NO. 28-83 BY J.E.R.

PLATE 1

(Geology Plus Legend Modified After MacMillian Prel. Map #47)

LEB

ABERFORD RESOURCES LTD.

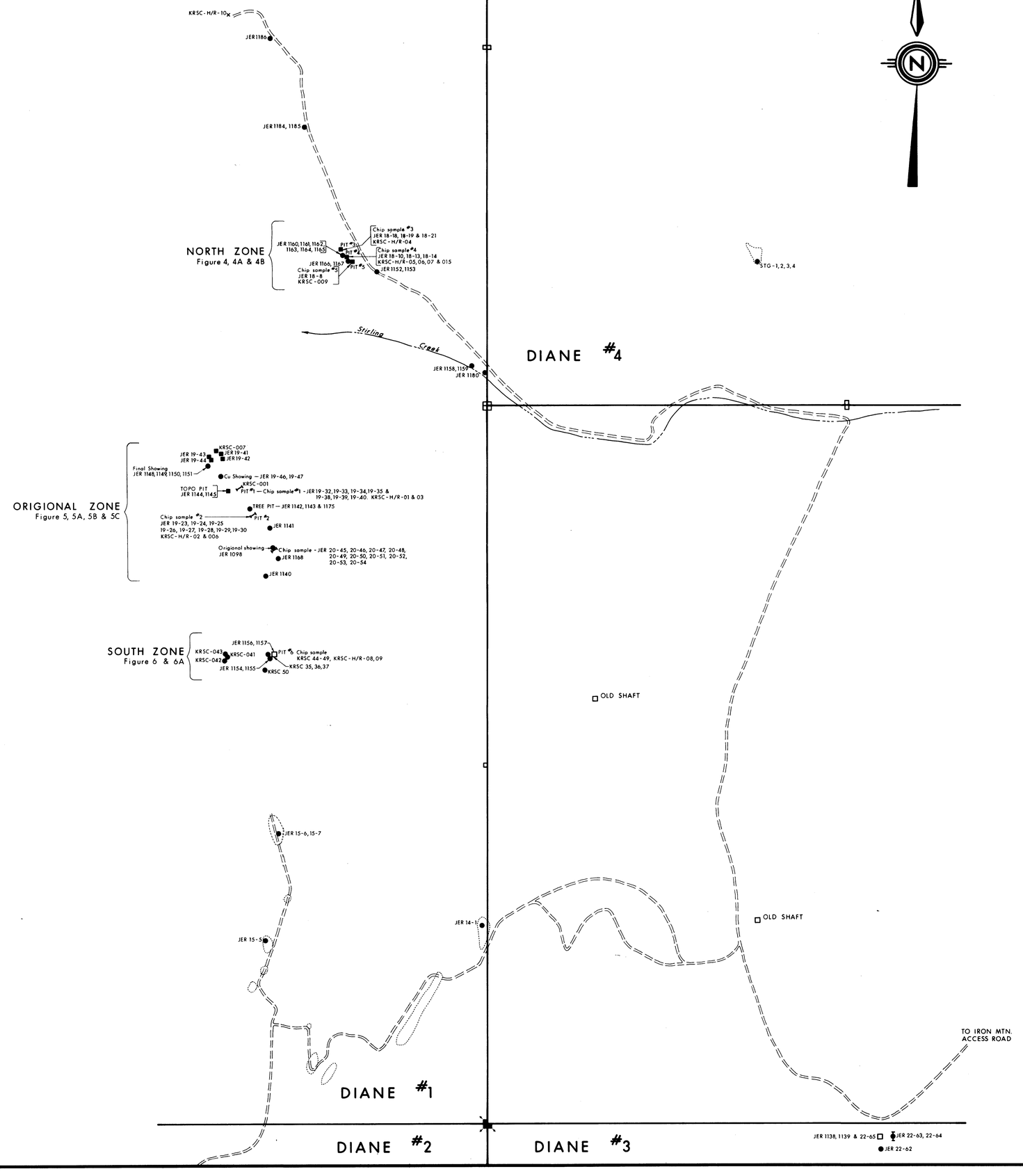
GEOLOGY

DIANE CLAIMS

STIRLING PROJECT, 1983

DATE	SCALE	NTS	DRAWING NO.
JULY, 1984	1: 12 000	92 I/2W	C-2102

DRAWING NO. X-2103



ROCK SAMPLES - Assay

	Au oz/t	Ag oz/t	Cu %		Au oz/t	Ag oz/t	Cu %
JER 1098	0.356	1.0	27.19	JER 1175	0.058	0.08	0.14
1138	0.016	0.06	0.43	1184	0.019	0.04	0.29
1139	0.027	0.07	0.08	1185	0.004	0.23	0.35
1140	0.005	0.04	0.40	1186	0.004	0.09	0.27
1141	0.266	0.28	0.43				
1142	0.160	0.18	0.29	STG 1	0.003	3.89	1.44
1143	0.006	0.11	0.34	3	0.003		0.69
1144	0.037	0.41	0.30	4	0.007		1.32
1145	0.042	0.64	2.50				
1146	0.002	0.06	0.88	KRSC 001	<0.002	0.4	<0.01
1147	0.003	0.08	0.16	04	0.029	3.6	0.05
1148	0.019	0.13	0.66	06	0.067	3.3	2.64
1149	0.002	0.17	1.56	07	0.002	13.0	4.55
1150	<0.002	0.14	0.17	09	0.011	6.2	0.29
1151	0.135	0.51	0.09	10	0.003	13.0	0.30
1152	0.068	0.13	1.75	11	0.079	9.3	0.12
1153	0.004	0.04	0.27	15	<0.002		0.05
1154	0.011	0.34	1.61	035	0.006		0.24
1155	<0.002	0.05	0.59	036	0.003		0.13
1156	0.003	0.06	0.16	037	0.026		0.21
1157	0.171	0.07	0.06	041	0.005	<0.2	0.04
1160	0.004	0.09	5.12	042	<0.002	<0.2	0.01
1161	0.016	0.19	0.10	043	<0.002	0.2	0.01
1162	0.002	0.03	0.27	044	0.045		0.12
1164	0.008	0.04	0.10	045	0.011		0.14
1165	<0.002	0.02	0.53	046	0.010	<0.2	0.14
1166	0.009	0.11	1.68	047	0.002	<0.2	0.18
1167	0.124	0.42	0.70	048	0.003	0.2	0.31
1168	0.026	0.06	0.10	049	0.153		0.06
				050	0.005	0.3	0.19
JER 18-8	0.555		0.18	JER 20-45	0.184	3.3	0.04
18-10	0.162		2.06	20-46	0.079	2.7	0.12
18-19	0.012		1.18	20-47	0.037	2.5	0.12
18-21	0.003	0.6	0.12	20-48	0.002	0.2	0.10
18-24	<0.002	<0.2	0.07	20-49	0.068	1.5	0.88
19-25	<0.002	<0.2	0.28	20-50	0.025	1.3	0.75
19-26	0.168		0.96	20-51	0.005	0.4	0.09
19-27	0.119		0.25	20-52	0.014	0.9	0.07
19-28	0.064		0.26	20-53	0.016	1.2	0.08
19-29	0.102		0.12	20-54	0.007	0.4	0.08
19-30	0.010	0.5	0.07				
19-32	0.009	2.5	0.05	JER 22-62	<0.002	<0.2	0.01
19-33	0.022	0.8	0.03	22-63	0.026	0.5	0.07
19-34	0.007	2.7	0.02	22-64	0.022	0.6	0.24
19-38	<0.002	0.9	0.05	22-65	0.014	0.5	0.37
19-39	0.010	18.0	0.31				
19-41	<0.002	2.2	0.06				
19-42	<0.002	33.0	0.68				
19-43	0.026	15.0	0.64				
19-44	0.006	4.2	0.48				

LEGEND

- Chip Samples, Oct./83
- Rock Samples, JER 0000 - July/83; JER 00-00 Oct./83; KRSC 000 Oct./83
- Panned Rock Concentrate With +6 Mesh Fraction: KRSC-H/R-00 - Oct./83
- Old Workings
- Small Pits, Strippings
- Outcrop
- Road
- Claim Lines With Legal Corner Post
- Claim Line With I.D. Post

NOTE: See Appendix D For 35 Element XRF Scan JER 1098, 18-10, 1157

GEOLOGICAL BRANCH
ASSESSMENT REPORT

12,799 PLATE 2

Metres 50 25 0 100 150 200 250 metres

TO ACCOMPANY REPORT NO. 28-83 BY J.E.R.

ABERFORD RESOURCES LTD.

SAMPLING LOCATION AND RESULTS

DIANE CLAIMS
STIRLING PROJECT, 1983

DATE	SCALE	NTS	DRAWING NO.
JUNE, 1984	1:2 500	92 I/2W	X-2103

DP-5884-81-P.O.D.

LEB