86-968-16362
11/87

GEOPHYSICAL REPORT

ON THE

CEDAR MINERAL CLAIMS PROPERTY

LITTLE FORT, BRITISH COLUMBIA

Kamloops Mining Division
British Columbia
N.T.S. Map 92-P/8W,9W
Latitude: 51°15'N
Longitude: 120°28'W

FOR

Operator: Craven Resources Inc.
P.O. Box 10019, Pacific Centre
3050 Toronto Dominion Bank Tower
Vancouver, B.C. V7Y 1A1

Owner(s): N.B. DeBock
E.A. DeBock
Estay Agencies Ltd.

CONSULTANTS:

Gewargis Geological Consulting Inc.
405 - 595 Howe Street
Vancouver, B.C. V6C 2T5
Tel: (604) 687-6245

Author:

Wilson A. Gewargis, B.Sc., F.G.A.C.

Dated:

January 1987

16,362

TABLE OF CONTENTS

ILLUSTRATIONS AND APPENDIX

1.0 INTRODUCTION

Gewargis Geological Consulting Inc., were engaged by Craven Resources Inc., to conduct a Geophysical Survey on the Cedar Claims located in Little Fort, British Columbia. The survey was conducted between October 22 to 31, 1986.

The program included the VLF-EM and Magnetic Survey. The Magnetic Survey was conducted by G. Bensmore, Geologist and the VLF Survey by P. Elkins, Geologist. This report discusses the results of the geophysical work performed on the property.

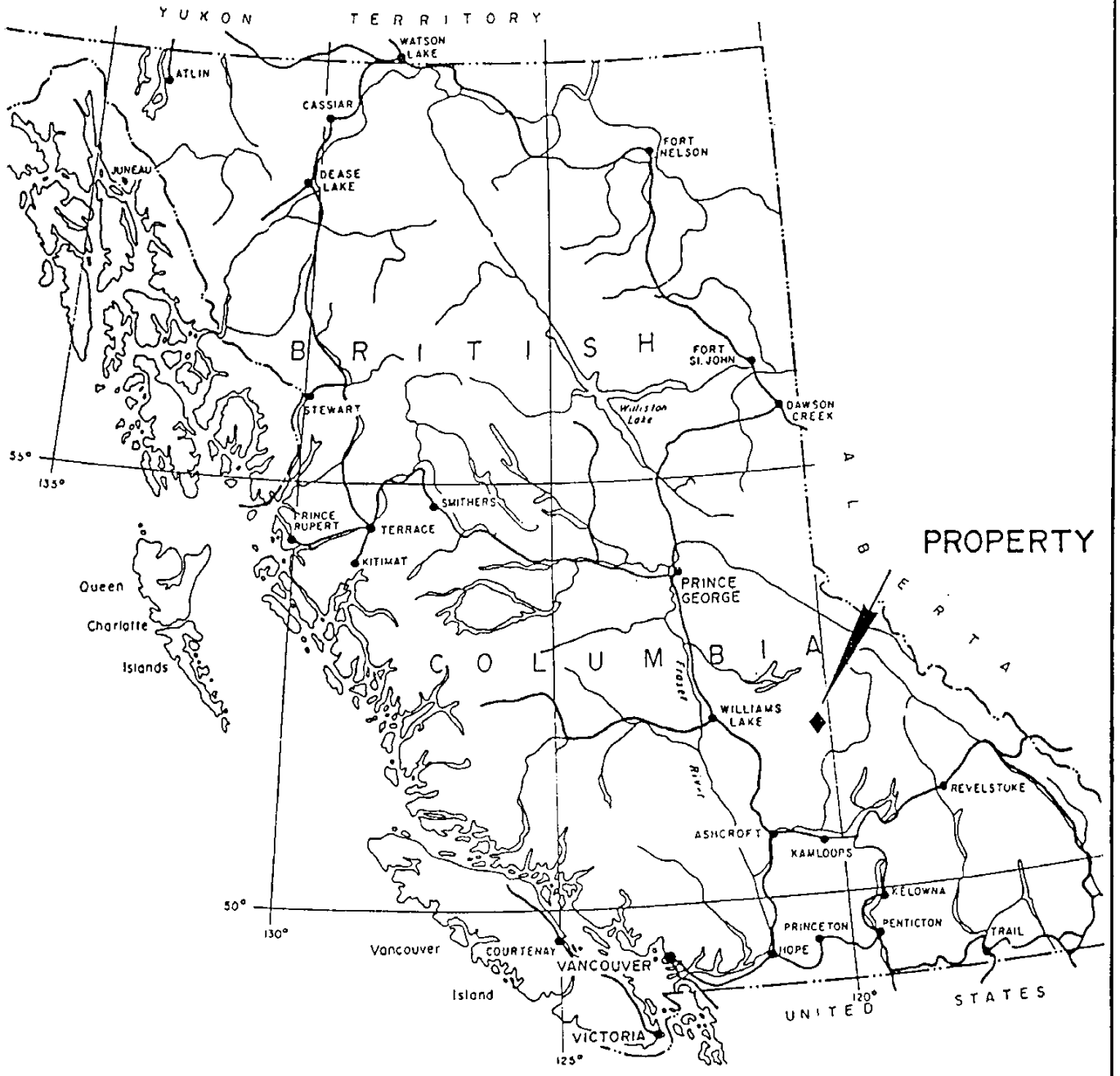
1.1 Location, Access and Topography (Figures 1 & 2)

The Cedar Claims are centered approximately 8 kms northwest of the town of Little Fort, British Columbia, and 100 kms north of the City of Kamloops, British Columbia.

The property can be reached most directly by a secondary road which runs west from Little Fort, up Eaken Creek, and passes through the claims area to Bridge Lake and eventually joins Highway 97 some 15 kms south of 100 Mile House. Several forestry and logging roads connect to the property, making the claims easily accessible.

The property topography is characterized by an area of moderate to rugged terrain with elevations ranging from 610m to 1220m (2,000 ft - 4,000 ft) **Figure 2.** The most extreme topographic relief occurs in the deeply incised v-shaped valleys of Eakin and Nehaliston Creek.

Vegetation on the property varies, but it is mainly fir timber cover with light to moderate undergrowth.



CRAVEN RESOURCES INC.

CEDAR CLAIM GROUP

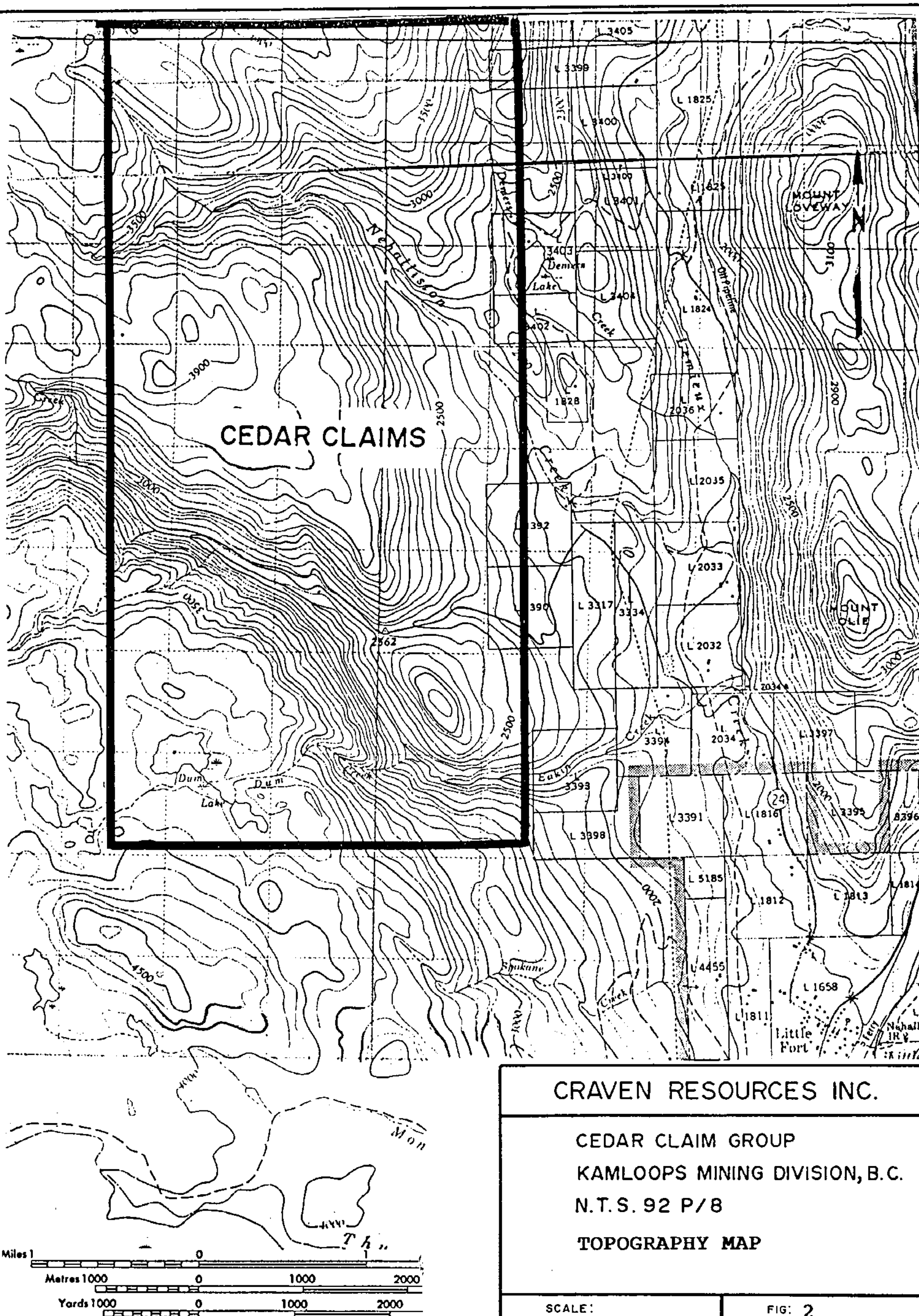
KAMLOOPS MINING DIVISION, B.C.

N.T.S. 92 P/8

PROPERTY LOCATION MAP

SCALE:	FIG: 1
DRAWN BY: D.G.	DATE: Jan.87

GEWARGIS GEOLOGICAL CONSULTING INC.



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CRAVEN RESOURCES INC.

CEDAR CLAIM GROUP

KAMLOOPS MINING DIVISION, B.C.

N.T.S. 92 P/8

TOPOGRAPHY MAP

SCALE:	FIG: 2
DRAWN BY: D.G.	DATE: Jan.87

1.2 Property Description

The Cedar Property comprises five (5) mineral claims (75 units) for a total of 1,875 hectares (4,633 acres) and is recorded in the Kamloops Mining Division on Claim Map N.T.S. 92-P/8,9. These claims were staked in the fall of 1983 by Messrs. Neil DeBock and Elmer DeBock. The geographic coordinates of the property are Latitude 51°15'N and Longitude 120°28'W.

The Cedar Property consists of the following claims **(Figure 3).**

CLAIM NAME	UNIT	RECORD NO.	EXPIRY DATE
Cedar 1	20	5351	December 1987
Cedar V	20	5429	January 1988
Cedar V11-XV111	12	5929-5940	November 1987
Cedar X1X	15	5978	November 1987
Cedar XX	8	5979	November 1987
TOTAL:	**75 Units**		

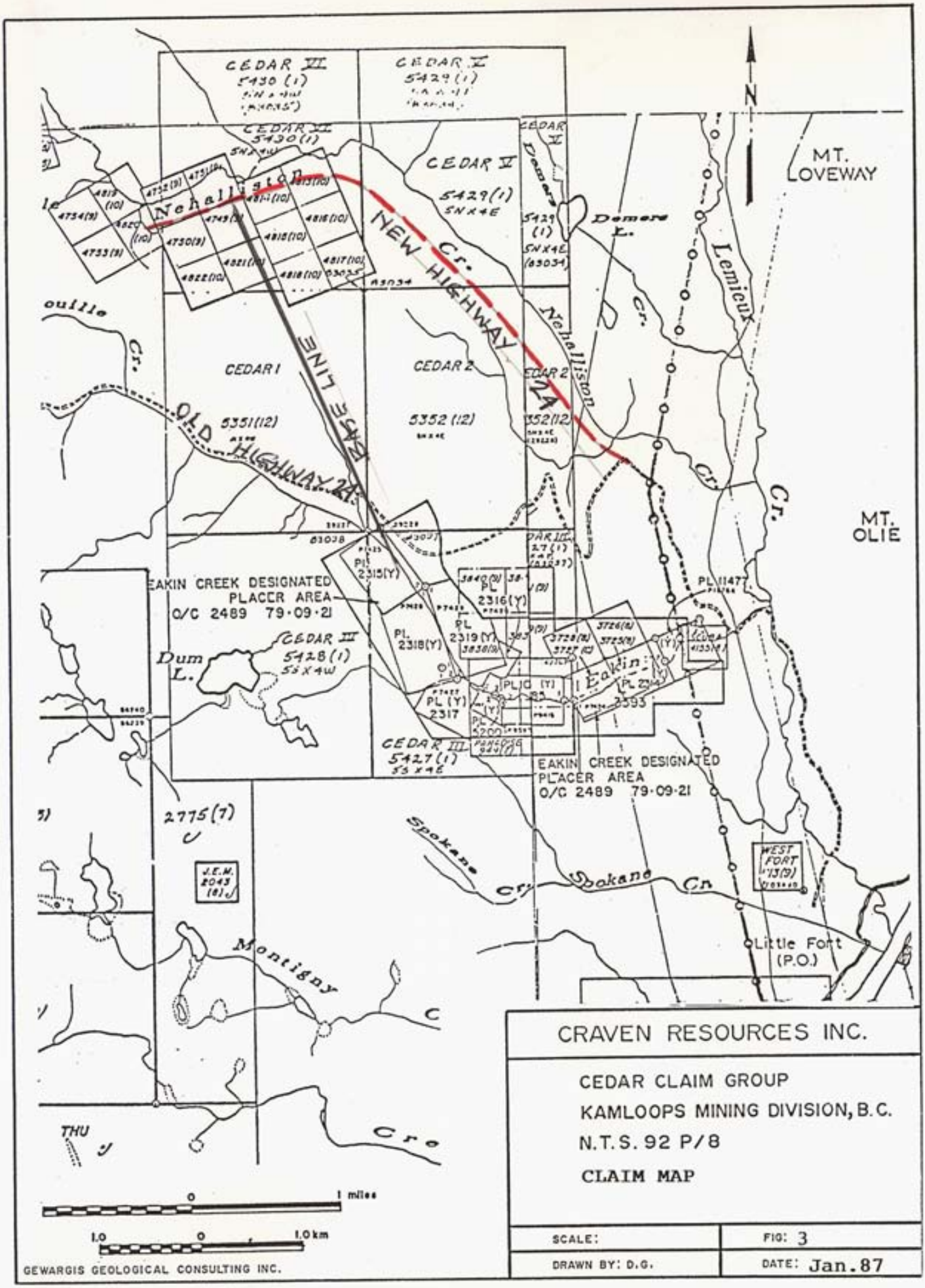
The writer was unable to visit all the claim lines and posts during his examination, however, those examined appear to have been staked in accordance with the Claims Act of British Columbia. The property is owned by Neil and Elmer DeBock, and was optioned to Craven Resources Inc., in July 1984.

1.3 Mining History

The history of the Cedar Claims property has been adequately described in previous reports by C.K. Ikona, P.Eng dated January 1985: The essential details are as follows:

1920-1923: Placer Claims were staked and interest in placer gold deposits was generated. Coarse gold was found.

Early lode exploration led to the discovery of the Lakeview



GEWARGIS GEOLOGICAL CONSULTING INC.

CRAVEN RESOURCES INC.

CEDAR CLAIM GROUP

KAMLOOPS MINING DIVISION, B.C.

N.T.S. 92 P/8

CLAIM MAP

SCALE:	FIG: 3
DRAWN BY: D.G.	DATE: Jan.87

property approximately 14 kms due west of Mount Olie. This group is bordered by the northwest portion of the Cedar Claims. A hand-speciman sample of arsenopyrite assayed 12.3 oz/ton gold from the Lakeview Property (B.C. Ministry of Mines Report, 1930 (Pages A191-A192).

1960's-early 1970's — Exploration work within this period was mainly oriented toward the search for porphyry copper deposits. Several claim groups were staked and follow-up exploration was carried out.

In the Fall of 1983, N. and E. De Bock staked the Cedar Claims and carried out a prospecting program which led to the discovery of four mineral occurrences.

July 1984: — Craven Resources Inc., optioned the Cedar Claims and carried out a reconnaissance geological and geochemical survey in October 1984.

Oct.1986: — Craven Resources Inc., conducted a follow-up geophysical survey which included both Magnetic and VLF-EM Surveys.

2.0 GEOLOGY

2.1 Regional Geology

The general geology of the area has been described in a number of publications. The most recent description is that by R.B. Campbell and N.W. Tipper (1965) in their Geological Survey of Canada Memoir No. 363.:

The Cedar claims are underlain primarily by a northwest trending belt of the Upper Triassic Nicola group andesites, tuffs, argellites, greywacke, and limestone, in generally faulted contact with Permian sediments and volcanics of the Eagle Bay Formation. These are in contact with lower to mid-Jurassic sediments which occupy the northeastern portion of the claim group.

Mineralization in the area is characterized as structurally controlled massive sulphide mineralization carrying precious metal values.

2.2 Property Geology

The general geology of the property has been adequately summarized in the report by R. Yorston, and C.K. Ikona, P.Eng. (1985) on the Cedar Mineral Claims as follows:

> "The claims are underlain by the Eagle Bay Formation which is bounded on the west by the Nicola volcanics and on the east by Jurassic volcanics and sediments.
>
> Several northwest trending faults occur within the Eagle Bay Formation near or at the contact with the Nicola andesite. In one location, on the new Highway #24 road cut near the northwest corner of the Cedar Claims, the main fault structure is exposed for 20m wide and dips 75° to the west.
>
> The Nicola volcanic rock unit immediately to the west shows some shattering and shearing associated with limonite staining and minor mineralization.
>
> The hanging wall of the fault consists of a diagnostic white limestone and chert marker horizon that can be intermittently traced for several kilometers, and is again well exposed 4 kms to the southeast on the old Highway 24 road cut. The limestone is folded and warped with the axis generally parallel to the northwest trend of the fault.
>
> The footwall of the fault is composed of an intermediate recrystallized and silicified volcanic unit believed to be also of the Eagle Bay Formation. This unit hosts the most significant mineralization discovered to date.
>
> On the old Highway 24 road cut where the white limestone chert horizon is again exposed, the rocks are severely contorted by several stages of folding and faulting. It is likely that the main fault exposed on the new Highway 24 also passes through this area.

Light brown and lesser light grey phyllite to schist rocks are exposed to the west of the white limestone horizon on the old Highway 24 road cut. The schistosity parallels the northwest trending structural pattern.

A medium grained diorite is exposed within the grid a few hundred meters to the north of the old Highway. The diorite has intruded within the white limestone horizon and has produced skarn zones with exposed skarn widths of at least 2 meters. The diorite has been subsequently shattered, probably by later movements along the main fault structure.

Reconnaissance geological mapping by R. Yorston (1985), north of new Highway 24 and north of the Nehaliston Creek canyon reveals that the limestone-chert horizon continues on strike with the trend established in the grid mapping.

It appears that the main fault is to the east of and approximately parallel to the grid baseline."

On Line 3+00NW 2+50E - 3+00E, there are outcrops of andesite with strong faults that trend 80° to 160°. These faults are chloritized associated with quartz veining in the centre. In some of these quartz veins, the chloritic gouge is silicified and the wall rocks appear to be unaltered. A trace of pyrite and a dark grey minerals are associated with the quartz veins.

On Highway 24A, there are a series of faults trending north/south where high gold and silver values in the soil samples were located. These values appear to be associated with mafic lamprophyre dyke system. These dykes are distinct due to their red-orange gossan color.

A drag fold was observed within the limestone unit exposed on Highway 24A road cut near Line 1+00S. This fold indicates a possibility of recumbant to overturned fold sub-parallel to the baseline with axial plane dipping to the east."

On Line 2+00S 0+25E, there is a brecciated unit with more than one type of clast, mainly silicification and chert.

2.3 Mineralization

Surface mapping (1984) on the property by C.K. Ikona, P.Eng and R. Yorston revealed the following features about the mineralization:

1) Precious metals are associated with sulfide mineralization.

2) Two sulfide zones exist within silicified andesite zone on the footwall side of the fault structure. In general, the sulfide mineralization is associated with a fault zone.

3) Sulfide mineralization comprising pyrite, pyrrhotite, and chalcopyrite.

4) Sulfide exists as a vein, lenses, and dissemination within the andesite rock unit.

5) Minor chalcopyrite occurs within the hangingwall limestone.

6) Chalcopyrite coating occurs within the fractured diorite north of the old Highway 24.

3.0 GEOPHYSICAL SURVEY

A grid area totalling 21 kms was subject to a geophysical survey and the following instruments were used:

1) Portable Proton Magnetometer (Scintrex Model MP-2).

2) Sabre Model 27 VLF-EM Receiver tuned to VLF Station, Seattle.

Readings were taken from the above surveys at 25 meter intervals and the field data for both surveys is presented in Appendix "C". The VLF Survey was conducted by P. Elkins, Geologist and the Magnetometer Survey by G. Benmore, Geologist.

3.1 VLF Survey (Figures 5, 6)

The VLF survey was conducted using the Sabre Model 27 to trace the mineralized structure on the property. A Sabre VLF Receiver was employed with the Jim Creek (Seattle, Washington) Station, (48°12'N, 121°55'W) and was used as the transmitter with Azmith of 357°. This transmitter station provided a good alignment with the known mineralized trend on the property. Two readings, the dip angle degree and field strength percentage, were taken at each station. Filtering was carried out on the dip angle data using the Fraser Filter Method in order to transform the zero crossings to peaks for contouring purposes and reduce the geological noise. The resultant profile and contour patterns are shown in **(Figures 5,6).** The profile maps show the VLF response produced by the mineralized structure, geological features, and topographical effects.

3.2 Results and Interpretation VLF-EM)

The VLF survey detected six anomalous areas on the property. The Fraser Filter amplitude character varies up to 47°. The anomalies vary from narrow (i.e. a few stations) to broad features in excess of 100 meters wide. The anomalies are interpreted to reflect a number of northwest-southwest conductors.

From the magnetic, geochemical and geological interpretation in conjunction with the VLF survey the above anomalies or trends could reflect a geological trend with metallic bearing lithological horizon.

In summary, the most important trends are as follows:

Trend #1: This trend represents a conductive zone running parallel to the baseline between Line 4+00SE 1+25E to 2+75E, and Line 4+00NW 2+50E to 4+00E. The Fraser Filter amplitude ranges between 10° to 47°. This trend coincides with geochemical, and magnetic anomalies.

Trend #2: Located at Line 10+00NW 0+75E and, Line 15+00NW 2+75E to

3+50E and coincides with a magnetic high and geochemical anomalies.

Trend #3: Located between Line 8+00NW 1+40W to 2+50W and Line 12+00NW 2+50W to 2+00W. This trend coincides with the magnetic trend and isolated geochemical anomalies ranging between 30 to 70 ppb.

Trend #4: Located between Line 18+00NW 2+50E to 2+75E and, Line 24+00NW 2+00E to 2+50E. Fraser Filter amplitude ranging between 10° to 34°.

Trend #5: This trend is located between Line 24+00NW 1+25W to 1+50W and Line 36+00NW 1+25W to 2+75W to 2+75W with Fraser Filter amplitude ranging between 10° to 49°. This trend coincides with magnetic anomalies mainly at Line 36+00NW and isolated geochemical gold anomalies at Line 30+00NW and Line 32+00NW.

Trend #6: Located between Baseline 31+00NW and Line 36+50NW 1+25E to 1+75E with Fraser Filter amplitude ranging between 8° to 40° and coincides with the magnetic trend and geochemical anomalies in the area of Lines 36+00NW to 37+00NW in the eastern portion.

3.3 Magnetic Survey (Figures 7, 8)

A Portable Proton Magnetometer, Scintrex Model MP-2 was used for this survey. This model is a self-contained 1.0 gamma accuracy proton magnetometer, and was used to achieve the high order of accuracy considered necessary.

Readings were taken at 25 meter intervals along the baseline and crosslines. Loops were run on several lines and corrections made for diurnal variations accordingly. The variations in most of the surveys were minimal, therefore further looping was not required for the remainder of the grid.

Several readings were taken at each station and average readings were plotted at

100 gamma contour intervals and the results are plotted on **(Figure 8).** A 50,000 gamma regional gradient was removed from all the readings.

3.4 Results and Interpretation (Magnetic Survey)

The survey has detected a number of anomalies which have northwest - southeast trends. High magnetic readings are scattered throughout the grid area whereas the low readings occur on Line 34+00NW 1+25E.

The high readings coincide with VLF-EM and geochemical trends, therefore represents the rock type, mineralization and structural features.

The following are some of the linear high readings. (Figure 8)

Trend #1: This trend is located between Line 33+00NW 1+00E to 2+25E and, Line 36+00NW 2+00E to 2+50E with values ranging between 5,275 to 58,700 gammas.

Trend #2: High readings located at Line 28+00NW 3+00W to 3+50W.

Trend #3: High readings located at Line 15+00NW 5+25E to 5+75E.

Trend #4: High readings located between Line 11+00N 0+50E to Line 15+50NW to 0+50E.

Trend 5,6,9: High readings located between Line 2+00NW 1+50E to 3+00E and Line 8+00NW 0+75E to 1+00E.

Trend #7: High readings located at Line 8+00NW 3+00E.

Trend #8: High readings located at Line 4+00NW 4+25E to 5+00E.

Trend #10: High readings located at Line 2+00NW 2+50E to 3+00E.

Trend #11: High readings located at Line 4+00NW 1+75E.

Trend #12: High readings located at Line 36+00NW 0+25W.

Trend #13: High readings located at Line 15+00NW 3+00W.

Trend #14: High readings located between Line 35+00NW 1+50W and Line 36+00NW 1+75W.

Trend #15: High readings located at Line 28+00NW 2+00E to 3+00E.

Trend #16: High readings located at Line 15+50NW 1+75E.

Trend #17: High readings located between Line 35+00NW 2+75 to 3+00W to Line 36+00NW 2+25W to 3+00W.

4.0 SUMMARY AND CONCLUSIONS

The essential features of the Cedar Claims can be summarized as follows:

1. The property was previously prospected by the owners, and from the 1984 field season indications are that copper mineralization and anomalous gold and silver values occur within a large northwest trending fault system.

2. The fault zone appears to be 5 kms long and is associated with mineralization mainly in the area where the limestone-cherty unit is exposed.

3. Several anomalous high values for both VLF-EM and Magnetic with a northwest trend has been outlined by the 1986 Geophysical Survey. These trends possibly represent fault zones associated with mineralization.

4. Though general zones of mineralization can be identified there is as yet insufficient data for establishing the potential of these zones. These should be established during the proposed program.

5.0 RECOMMENDATIONS

The objective of the proposed work program is to establish the economic potential and control of the mineralized zone on the property. The above objectives can be met by implementing the following work program.

1. Detailed mapping of the geochemical, geophysical anomalous areas to outline drilling targets.

2. Percussion drilling of the selected target area.

5.1 Cost Estimate

Percussion drilling 304m (1000 ft) at $35.00/m	$10,640.
Mob and Demob of drilling crew and equipment	2,000
Site preparation, 25 hours at $100/hour	2,500
Assaying 200 samples at $20/sample	4,000
Project supervision	4,000
Room and Board	2,000
Transportation	2,000
Field Project Management	3,500
Report	4,000
Sub Total:	$34,640
Contingency:	$ 5,360.
TOTAL:	$40,000.

Respectfully submitted

Wilson A. Gewargis, B.Sc., F.G.A.C
Consulting Geologist

6.0 BIBLIOGRAPHY

B.C. Minister of Mines Report (1930):

Pages A1 91 - A1 92.

R.B. Campbell and N.W. Tipper (1965):

Geological Survey of Canada Memoirs 363.

R. Yorston and C.K. Ikona, P.Eng. (1985):

Geological Report on the Cedar 1 to VI Mineral Claims.

APPENDIX "A"

STATEMENT OF COSTS

STATEMENT OF COSTS FOR OCTOBER 1986:

(Appendix "A")

Pre-Programming:	
Senior Geologist 2 days at $275.00/day	$,550
Senior Geologist: W. Gewargis, B.Sc., F.G.A.C.	1,100
Magnetic Survey:	
P. Elkins, B.Sc., Geologist conducted magnetic Survey	1,560
VLF-EM Survey	
G. Bensmore, B.Sc., Geologist conducted VLF-EM Survey	1,560
Transportation	
From Vancouver to property and on-site including insurance and fuel	1,300
Room and Board:	875
Instrument Rental:	850
Report:	
Report writing, drafting, printing of maps, word processing, xeroxing, report covers, binding	2,500
Filing Assessment Fees:	385
TOTAL:	$10,680

The above are geophysical costs on the Cedar Claims and **$7,500.00** was applied for assessment work on the mineral claims.

APPENDIX "B"

CERTIFICATE OF QUALIFICATIONS

CERTIFICATE OF QUALIFICATIONS (Appendix "B")

I, Wilson A. Gewargis, B.Sc., F.G.A.C., of 4811 Dunfell Road, Richmond, British Columbia, hereby certify as follows:

1. I am a Consulting Geologist with an office at Suite 405, 595 Howe Street, Vancouver, British Columbia.

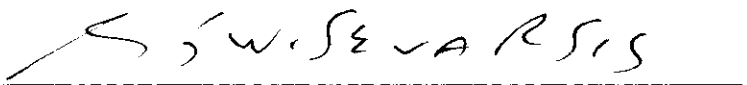
2. I am a graduate of the University of Mosul in Iraq (1970) and hold a Bachelor of Sciences degree in Geology and Geophysics. In addition, I spent two years of post graduate studies at the University of Stuttgart in West Germany.

3. I have engaged in mineral exploration work and studies for 16 years in Canada, United States of America and Europe.

4. I am a Fellow of the Geological Association of Canada, a member of the Society of Mining Engineers of AIME, and a member of the B.C. & Yukon Chamber of Mines.

5. The work described herein was conducted by P. Elkins, Geologist and G. Bensmore, Geologist under my supervision.

Dated at Vancouver, British Columbia, this 30th day of January, 1987.



Wilson A. Gewargis, B.Sc., F.G.A.C.
Consulting Geologist

CERTIFICATE OF QUALIFICATIONS
(Appendix "B)

I, George Benmore of 4388 Hobson Road, Kelowna, British Columbia, hereby certify as follows:

1. I am a graduate of the University of British Columbia (1980) and hold a Bachelor of Applied Science in Geological Engineering, Exploration Option.

2. I have engaged in mineral exploration work during and after graduation for 4 years in Canada and Australia.

3. I conducted the Magnetometer Survey on the Cedar Claims, Little Fort, B.C. during the period of October 22 to October 31, 1986.

Dated at Vancouver, British Columbia, this 30th day of January 1987.

George Benmore

George Benmore, B.A.Sc.,
Geologist

CERTIFICATE OF QUALIFICATIONS
(Appendix "B")

I, Paul R. Elkins of 146E Carisbrooke Road, North Vancouver, British Columbia, hereby certify as follows:

1. I am a graduate of the University of British Columbia (1985) and hold a Bachelor of Science in Geology.

2. I have engaged in mineral exploration work during and after graduation for six years in British Columbia, Yukon, and the N.W.T.

3. I conducted the VLF-EM Survey on the Cedar Mineral Claims, Little Fort, British Columbia during the period October 22 to October 31, 1986.

Dated at Vancouver, British Columbia, this 30th day of January 1987.

Paul R. Elkins, B.Sc.,
Geologist

APPENDIX "C"

GEOPHYSICAL SURVEY DATA

GEWARGIS GEOLOGICAL CONSULTING INC. ①of②

PROJECT Cedar VLF-EM SURVEY Oct, 23, 1986

Line	Dip Angle	F.S.	Fraser Filter
BL 0+00	-9	55	-4
0+25N	-10	51	+2
0+50N	-6	53	+1
0+75N	-9	50	-4
1+00N	-9	48	-2
1+25N	-7	47	-3
1+50N	-2	50	+6
1+75N	-2	53	+7
2+00N	-4	56	+5
2+25N	-6	55	0
2+50N	-7	53	-2
2+75N	-8	53	+7
3+00N	-5	55	+9
3+25N	-8	52	+4
3+50N	-12	55	+1
3+75N	-10	48	-5
4+00N	-14	45	-9
4+25N	-11	42	-3
4+50N	-8	43	+2
4+75N	-8	42	+5
5+00N	-8	47	+1
5+25N	-10	49	-5
5+50N	-11	45	0
5+75N	-8	42	+9
6+00N	-8	50	+5
6+25N	-11	50	0
6+50N	-14	45	+5
6+75N	-10	42	+4
7+00N	-15	55	-3
7+25N	-14	54	-5
7+50N	-15	55	-1
7+75N	-11	73	-2
8+00N	-13	71	-8

Line	Dip Angle	F.S.	Fraser Filter
BL 8+25N	-12	75	-9
8+50N	-10	74	-5
8+75N	-7	73	-5
9+00N	-6	74	-8
9+25N	-6	74	-4
9+50N	-2	75	+1
9+75N	-2	77	+3
10+00N	-2	79	+5
10+25N	-3	75	+6
10+50N	-4	73	+5
10+75N	-6	79	+1
11+00N	-7	78	-7
11+25N	-8	73	-11
11+50N	-6	72	-4
11+75N	-2	70	+4
12+00N	-1	62	+1
12+25N	-3	61	-4
12+50N	-4	66	-3
12+75N	-1	69	-1
13+00N	-2	66	0
13+25N	0	64	-3
13+50N	-2	66	-3
13+75N	0	58	-2
14+00N	+1	61	-6
14+25N	0	65	-5
14+50N	+3	63	-3
14+75N	+4	66	4
15+00N	+4	65	-1
15+25N	+6	66	+1
15+50N	+6	65	-2
15+75N	+5	61	-4
16+00N	+6	61	+1

GEWARGIS GEOLOGICAL CONSULTING INC.

PROJECT Cedar — VLF-EM SURVEY — Oct 23, 1986

Line	Dip Angle	F.S.	Fraser Filter
BL			
16+25N	+7	59	
16+50N	+8	64	+7
16+75N	+4	60	+7
17+00N	+4	60	-4
17+25N	+6	61	+4
17+50N	+6	66	+12
17+75N	0	63	-6
18+00N	0	61	-5
18+25N	0	55	-11
18+50N	+5	55	-6
18+75N	+6	55	-1
19+00N	+5	61	+1
19+25N	+7	62	+3
19+50N	+3	61	-4
19+75N	+6	63	-4
20+00N	+8	60	+5
20+25N	+5	65	+13
20+50N	+4	75	+14
20+75N	-4	70	+5
21+00N	-1	70	+2
21+25N	-4	65	+3
21+50N	-3	66	+2
21+75N	-5	65	+1
22+00N	-4	59	-2
22+25N	-5	52	-7
22+50N	-2	58	+6
22+75N	0	59	+2
23+00N	-1	60	+5
23+25N	-3	61	+2
23+50N	-3	61	-3
23+75N	-3	63	+6
24+00N	0	6	-3
24+25N	0	62	-1

Line	Dip Angle	F.S.	Fraser Filter
BL			
24+50N	0	60	-6
24+75N	+1	60	-13
25+00N	+5	60	-14
25+25N	+9	60	-6
25+50N	+11	61	-4
25+75N	+10	64	-11
26+00N	+14	61	-2
26+25N	+18	68	+24
26+50N	+8	73	+21
26+75N	0	64	-6
27+00N	+5	64	-15
27+25N	+9	61	-5
27+50N	+11	64	+4
27+75N	+8	65	-1
28+00N	+8	68	-6
28+25N	+12	72	+10
28+50N	+10	74	+22
28+75N	0	73	+16
29+00N	0	70	+6
29+25N	-6	68	-7
29+50N	0	66	-9
29+75N	+1	64	-4
30+00N	+2	68	-2
30+25N	+3	65	+1
30+50N	+2	69	-3
30+75N	+2	70	-2
31+00N	+6	71	+16
31+25N	0	75	+22
31+50N	-8	72	+12
31+75N	-8	71	+7
32+00N	-12	71	+3
32+25N	-11	70	+5
32+50N	-12	68	+4

GEWARGIS GEOLOGICAL CONSULTING INC.

PROJECT Cedar — VLF-EM SURVEY — Oct 24, 1986

Line	Dip Angle	F.S.	Fraser Filter
BL			
32+75N	-16	65	+5
33+00N	-11	62	-1
33+25N	-12	64	+3
33+50N	-14	63	-4
33+75N	-12	63	-6
34+00N	-10	63	-6
34+25N	-10	64	-8
34+50N	-6	64	-6
34+75N	-6	64	-7
35+00N	-4	65	-10
35+25N	-1	64	-10
35+50N	+1	65	-10
35+75N	+4	65	-6
36+00N	+6	69	+1
36+25N	+5	71	+6
36+50N	+3	70	+6
36+75N	+2	74	+2
37+00N	0	76	-4
37+25N	+3	74	+1
37+50N	+3	75	+4
37+75N	-1	78	
38+00N	+3	77	

Line	Dip Angle	F.S.	Fraser Filter
BL			
0+00			
0+25S	-9	55	-37
0+50S	+10	57	-19
0+75S	+8	57	-3
1+00S	+12	60	+5
1+25S	+11	59	+11
1+50S	+4	56	-1
1+75S	+8	56	-4
2+00S	+8	56	-7
2+25S	+8	56	-11
2+50S	+5	54	-7
2+75S	+12	53	-10
3+00S	+18	52	-5
3+25S	+19	54	+7
3+50S	+16	55	-1
3+75S	+14	51	-16
4+00S	+22	51	
	+24	57	
↓ shift stations one(1) line down			

GEWARGIS GEOLOGICAL CONSULTING INC.

PROJECT Cedar — VLF-EM SURVEY — Oct 26, 1986

Line	Dip Angle	F.S.	Fraser Filter
L38+00N 0+00	-7	77	
0+25E	-1	69	
0+50E	-2	79	
L37+50N 0+00	+3	75	
0+25E	-4	65	+3
0+50E	0	64	+1
0+75E	-4	60	
1+00E	-1	61	
L37+00N 0+00	-5	77	
0+25E	-6	75	-14
0+50E	+2	78	-5
0+75E	+1	79	+1
1+00E	0	80	-5
1+25E	+2	81	
1+50E	+4	80	
L36+50N 0+00	-7	70	
0+25E	-8	56	-16
0+50E	-1	66	-17
0+75E	+2	55	-13
1+00E	+6	62	-1
1+25E	+8	72	+5
1+50E	+1	76	+25
1+75E	-8	76	+5
2+00E	-8	70	
2+75E	-4	68	
L36+00N 3+00W	+3	78	
2+75W	+4	79	-1
2+50W	+6	81	+11
2+25W	+2	84	+10

Line	Dip Angle	F.S.	Fraser Filter
L36+00N 2+00W	-3	81	0
1+75W	+1	79	+12
1+50W	-2	87	+31
1+25W	+12	87	+24
1+00W	-20	79	+3
0+75W	-18	76	-4
0+50W	-17	74	-14
0+25W	-13	70	-14
0+00	-8	69	-9
0+25E	-8	69	-12
0+50E	-4	69	-14
0+75E	0	69	-11
1+00E	+2	71	-2
1+25E	+5	73	+18
1+50E	-1	81	+23
1+75E	-10	77	+5
2+00E	-9	61	-10
2+25E	-7	59	-72
2+50E	-2	60	-2
2+75E	-2	61	
3+00E	-5	60	

GEWARGIS GEOLOGICAL CONSULTING INC.

PROJECT Cedar — VLF-EM SURVEY — Aug 26, 1986

Line	Dip Angle	F.S.	Fraser Filter
L35+00N 3+00W	0	67	
2+75W	-1	65	+1
2+50W	-3	68	-8
2+25W	+1	64	-3
2+00W	+3	65	+10
1+75W	-2	73	+14
1+50W	-5	72	+15
1+25W	-8	72	+13
1+00W	-14	65	-2
0+75W	-12	62	-14
0+50W	-8	63	-17
0+25W	-4	64	-14
0+00	+1	65	-6
0+25E	+1	65	-5
0+50E	+2	67	-6
0+75E	+5	67	+8
1+00E	+4	72	+22
1+25E	-5	72	+25
1+50E	-8	71	+17
1+75E	-18	69	-6
2+00E	-12	66	-19
2+25E	-8	65	-11
2+50E	-3	67	-1
2+75E	-6	66	-3
3+00E	-4	67	-11
3+25E	-2	67	
3+50E	+3	63	

Line	Dip Angle	F.S.	Fraser Filter
L34+00N 0+00	+4	63	
0+25E	+7	66	-6
0+50E	+8	66	-1
0+75E	+9	68	+13
1+00E	+7	75	+23
1+25E	-3	81	+24
1+50E	-4	70	+20
1+75E	-16	68	-9
2+00E	-11	58	-30
2+25E	0	58	-12
2+50E	+3	63	+9
2+75E	-2	65	
3+00E	-4	58	

GEWARGIS GEOLOGICAL CONSULTING INC. 6 of 22

PROJECT Cedar — VLF-EM SURVEY — Oct 26, 1986

Line	Dip Angle	F.S.	Fraser Filter
L33+00N 3+00W	+18	82	
2+75W	+5	87	+11
2+50W	+7	87	+6
2+25W	+5	84	+11
2+00W	+1	85	+14
1+75W	0	84	+14
1+50W	-8	82	-2
1+25W	-3	69	-15
1+00W	-1	69	-11
0+75W	+3	67	+7
0+50W	+2	66	-1
0+25W	-7	62	-33
0+00	+13	62	-17
0+25E	+15	67	+19
0+50E	+8	75	+17
0+75E	+1	74	-3
1+00E	+5	70	+16
1+25E	+7	79	+40
1+50E	-17	77	+7
1+75E	-11	71	-14
2+00E	-6	69	-10
2+25E	-8	68	-13
2+50E	+1	75	+3
2+75E	-2	79	
3+00E	-8	77	

Line	Dip Angle	F.S.	Fraser Filter
L32+00N 3+00W	+9	69	
2+75W	+3	74	+9
2+50W	+3	89	+8
2+25W	0	89	+5
2+00W	-2	71	+10
1+75W	0	89	+14
1+50W	-	[illegible]	
1+25W	-8	64	-4
1+00W	-4	64	-15
0+75W	0	58	-11
0+50W	+3	53	-8
0+25W	+4	61	+1
000	+7	71	+12
0+25E	-1	70	+8
0+50E	0	67	+8
0+75E	-2	63	+11
1+00E	-7	54	+5
1+25E	-6	56	0
1+50E	-8	56	-5
1+75E	-5	52	-10
2+00E	-3	44	-6
2+25E	0	42	+6
2+50E	-2	46	+16
2+75E	-7	42	
3+00E	-11	43	

GEWARGIS GEOLOGICAL CONSULTING INC. (7) of (27)

PROJECT Cedar VLF-EM SURVEY Oct 26, 1986

Line	Dip Angle	F.S.	Fraser Filter
L3+00N 0+00	-7	71	
0+25E	-8	63	-4
0+50E	-5	65	0
0+75E	-6	62	-3
1+00E	-7	62	-5
1+25E	-1	66	+6
1+50E	-7	65	+4
1+75E	-7	65	-8
2+00E	-5	64	-8
2+25E	-1	67	0
2+50E	-3	73	+6
2+75E	-3	69	+15
3+00E	-7	75	+17
3+25E	-14	80	
3+50E	-13	77	

Line	Dip Angle	F.S.	Fraser Filter
L2+00N 3+00W	-1	76	
2+75W	-5	73	-5
2+50W	-1	71	+3
2+25W	0	72	+19
2+00W	-9	74	+7
1+75W	-11	70	-12
1+50W	-5	68	-11
1+25W	-3	68	-8
1+00W	-2	73	-5
0+75W	+2	73	+9
0+50W	-2	78	+12
0+25W	-7	72	-5
0+00	+5	68	70
0+25E	+1	76	+6
0+50E	-3	80	+12
0+75E	-7	74	+4
1+00E	-7	69	-6
1+25E	-7	73	-11
1+50E	-1	76	+2
1+75E	-2	74	+13
2+00E	-8	80	+6
2+25E	-8	79	+1
2+50E	-9	78	+8
2+75E	-9	79	
3+00E	-15	74	

GEWARGIS GEOLOGICAL CONSULTING INC. (8)0+(2)7

PROJECT Cedar VLF-EM SURVEY Q+26, 1986

Line	Dip Angle	F.S.	Fraser Filter	Line	Dip Angle	F.S.	Fraser Filter
L28+00W				L27+00W			
3+50W	-5	62		3+00W	+2	90	
3+25W	-6	57	-10	2+75W	-1	88	+4
3+00W	-2	61	-12	2+50W	-1	88	+9
2+75W	+1	64	+2	2+25W	-2	90	+15
2+50W	+3	63	+17	2+00W	-9	88	+4
2+25W	-6	66	+9	1+75W	-9	79	-6
2+00W	-7	66	-7	1+50W	-6	70	-5
1+75W	-6	65	-14	1+25W	-6	72	-3
1+50W	0	63	-9	1+00W	-4	73	+2
1+25W	+1	63	-2	0+75W	-5	64	+2
1+00W	+2	65	+7	0+50W	-7	68	+1
0+75W	+1	71	+18	0+25W	-4	65	
0+50W	-5	71	+18	0+00	-9	73	
0+25W	-10	67	+10				
0+00	-12	68	+3				
0+25E	-13	63	-8				
0+50E	-12	59	-14				
0+75E	-5	62	-8				
1+00E	-6	62	-2				
1+25E	-3	67	+8				
1+50E	-6	72	+12				
1+75E	-11	68	+3				
2+00E	-10	68	+3				
2+25E	-10	67	+4				
2+50E	-14	60	-6				
2+75E	-10	57					
3+00E	-8	57					

PROJECT Cedar — GEWARGIS GEOLOGICAL CONSULTING INC. — Oct 26, 1986

VLF-EM SURVEY

Line	Dip Angle	F.S.	Fraser Filter	Line	Dip Angle	F.S.	Fraser Filter
L25+00N 3+00W	+1	60		L26+00N 0+00	-16	61	
2+75W	+1	54	+8	0+25E	-13	59	-5
2+50W	-4	52	+9	0+50E	-12	60	-3
2+25W	-2	59	+12	0+75E	-12	62	-7
2+00W	-10	56	0	1+00E	-10	65	-4
1+75W	-8	62	-4	1+25E	-7	68	-2
1+50W	-4	61	+13	1+50E	-11	64	-12
1+25W	-10	56	+13	1+75E	-2	65	-7
1+00W	-15	56	-1	2+00E	-4	68	+1
0+75W	-12	58	-7	2+25E	-2	70	+5
0+50W	-12	57	-19	2+50E	-5	71	+11
0+25W	-8	59		2+75E	-6	71	
0+00	+3	59		3+00E	-12	70	

GEWARGIS GEOLOGICAL CONSULTING INC.

PROJECT Cedar — VLF-EM SURVEY — Oct 28, 1986

Line	Dip Angle	F.S.	Fraser Filter
L24+00N 3+00W	+3	61	
2+75W	+3	65	+9
2+50W	-1	66	+6
2+25W	-2	63	+1
2+00W	-2	65	+2
1+75W	-2	70	+9
1+50W	-4	67	+13
1+25W	-9	63	+4
1+00W	-10	59	-4
0+75W	-7	58	-3
0+50W	-8	57	-8
0+25W	-6	60	-17
0+00	-1	62	-5
0+25E	+4	62	+16
0+50E	-6	69	+11
0+75E	-7	64	-5
1+00E	-6	62	-6
1+25E	-2	62	0
1+50E	-5	63	0
1+75E	-3	65	+4
2+00E	-4	68	+13
2+25E	-8	69	+10
2+50E	-12	63	-2
2+75E	-10	65	
3+00E	-8	63	

Line	Dip Angle	F.S.	Fraser Filter
L22+00N 3+00W	-1	54	
2+75W	-4	51	-8
2+50W	0	47	-1
2+25W	+3	53	+18
2+00W	-6	61	+19
1+75W	-9	60	+10
1+50W	-13	56	+3
1+25W	-12	56	-4
1+00W	-13	59	-14
0+75W	-8	49	-19
0+50W	-3	56	-18
0+25W	+1	50	-16
0+00	+6	59	-7
0+25E	+8	63	+5
0+50E	+6	65	+11
0+75E	+3	69	+8
1+00E	0	70	+1
1+25E	+1	65	-6
1+50E	+1	65	-7
1+75E	+6	67	+2
2+00E	+3	70	+15
2+25E	+2	74	+31
2+50E	-8	84	+28
2+75E	-18	72	
3+00E	-16	69	

PROJECT Cedar — GEWARGIS GEOLOGICAL CONSULTING INC. — Oct 28, 1986

VLF-EM SURVEY

Line	Dip Angle	F.S.	Fraser Filter
2+00N			
3+00W	-10	76	
2+75W	-12	71	-4
2+50W	-10	66	-8
2+25W	-8	63	-6
2+00W	-6	60	-4
1+75W	-6	59	-1
1+50W	-7	59	-9
1+25W	-4	58	-7
1+00W	0	62	+3
0+75W	-4	67	+3
0+50W	-3	63	+7
0+25W	-4	66	+10
0+00	-10	60	-3
0+25E	-7	57	-13
0+50E	-1	56	-6
0+75E	-3	58	-7
1+00E	+1	54	-4
1+25E	+2	63	-1
1+50E	0	64	-6
1+75E	+2	62	+4
2+00E	+6	69	+34
2+25E	-8	82	+25
2+50E	-18	66	-4
2+75E	-9	57	
3+00E	-12	58	

Line	Dip Angle	F.S.	Fraser Filter
L18+00N			
3+00W	-3	59	
2+75W	-6	57	+1
2+50W	-6	54	-6
2+25W	-4	56	-3
2+00W	-2	58	+4
1+75W	-5	62	+4
1+50W	-5	64	+1
1+25W	-6	61	-2
1+00W	-5	62	-1
0+75W	-4	60	-1
0+50W	-6	59	-8
0+25W	-2	60	-12
0+00	0	61	-10
0+25E	+4	66	-3
0+50E	+4	68	+2
0+75E	+3	69	0
1+00E	+3	69	-3
1+25E	+4	70	-2
1+50E	+5	79	+4
1+75E	+4	85	+7
2+00E	+1	81	+3
2+25E	+1	80	+5
2+50E	+1	81	+10
2+75E	-4	84	
3+00E	-4	87	

GEWARGIS GEOLOGICAL CONSULTING INC. (12) of (22)

PROJECT Cedar VLF-EM SURVEY Oct 28, 1986

Line	Dip Angle	F.S.	Fraser Filter
L1+00N 0+00	-4	60	
0+25E	-4	65	-6
0+50E	-3	94	-13
0+75E	+1	64	-12
1+00E	+5	65	-5
1+25E	+5	69	-3
1+50E	+6	69	0
1+75E	+7	63	+6
2+00E	+4	75	+4
2+25E	+3	75	-4
2+50E	+4	73	+2
2+75E	+7	75	
3+00E	-2	75	

Line	Dip Angle	F.S.	Fraser Filter
L1&+00N 0+00	-6	65	
0+25E	0	69	0
0+50E	-2	70	+3
0+75E	-4	69	-5
1+00E	-1	68	-9
1+25E	0	70	-8
1+50E	+3	63	-4
1+75E	+4	73	+4
2+00E	+3	72	+8
2+25E	0	75	+2
2+50E	-1	78	-2
2+75E	+2	75	
3+00E	+1	81	

GEWARGIS GEOLOGICAL CONSULTING INC. (13) of (21)

PROJECT Cedar VLF-EM SURVEY Oct 28, 1986

Line	Dip Angle	F.S.	Fraser Filter	Line	Dip Angle	F.S.	Fraser Filter
L15+00N 3+00W	+4	72		L15+00N 5+25E	-11	72	-4
2+75W	+5	74	+9	5+50E	-10	72	-8
2+50W	0	72	0	5+75E	-7	73	
2+25W	0	74	+15	6+00E	-6	76	
2+00W	-5	75	+8				
1+75W	-10	65	-10				
1+50W	-3	64	-2				
1+25W	-2	66	+4				
1+00W	-9	70	+13				
0+75W	-10	65	+2				
0+50W	-14	59	-15				
0+25W	-7	64	-20				
0+00	-2	65	-12				
0+25W	+1	68	-1				
0+50W	+2	68	+14				
0+75E	-2	74	+18				
1+00E	-9	71	+2				
1+25E	-9	66	-17				
1+50E	-4	66	-20				
1+75E	+3	66	-9				
2+00E	+4	70	-1				
2+25E	+4	74	+1				
2+50E	+4	76	+4				
2+75E	+3	77	+12				
3+00E	+1	84	+20				
3+25E	-6	80	+12				
3+50E	-10	76	0				
3+75E	-7	76	+2				
4+00E	-9	79	+3				
4+25E	-10	75	+1				
4+50E	-9	76	+2				
4+75E	-11	74	+2				
5+00E	-10	73	0				

GEWARGIS GEOLOGICAL CONSULTING INC. (17 of 21)

PROJECT Cedar — VLF-EM SURVEY — Oct 28, 1986

Line	Dip Angle	F.S.	Fraser Filter
L14+00N 3+00W	-2	76	
2+75W	-1	76	0
2+50W	-2	76	+6
2+25W	-1	76	+8
2+00W	-8	72	-3
1+75W	-3	70	-2
1+50W	3	70	+8
1+25W	-6	68	+7
1+00W	-8	66	+4
0+75W	8	67	+1
0+50W	10	65	-6
0+25W	-7	61	-12
0+00	-5	61	-15
0+25E	0	62	-8
0+50E	+3	64	+3
0+75E	0	69	+7
1+00E	0	71	+4
1+25E	-4	70	-12
1+50E	0	69	-19
1+75E	+8	70	-1
2+00E	+7	77	+18
2+25E	+2	82	+20
2+50E	-5	82	+11
2+75E	-6	78	
3+00E	-8	78	

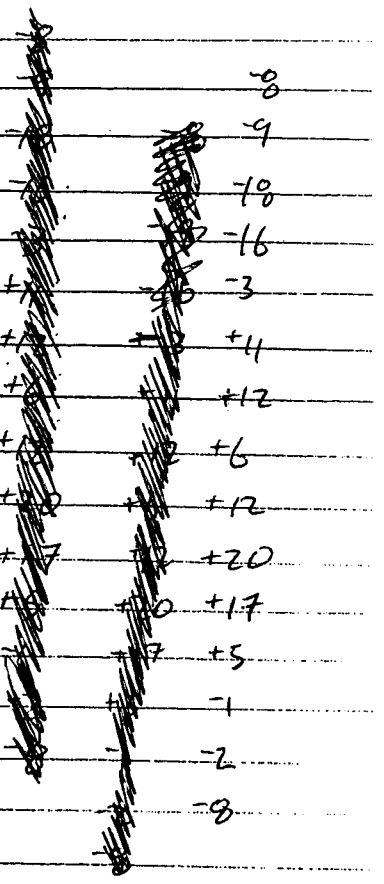
Line	Dip Angle	F.S.	Fraser Filter
L3+00N 1+00W	-2		
0+75W	-4		+1
0+50W	-5		-9
0+25W	-2		-15
0+00	+2	66	-11
0+25E	+6	66	-3
0+50E	+5	71	+2
0+75E	+6	73	+10
1+00E	+3	73	+10
1+25E	-2	73	-3
1+50E	+1	69	-10
1+75E	+3	64	-3
2+00E	+6	79	+15
2+25E	+1	94	+16
2+50E	-5	84	+5
2+75E	-4	81	
3+00E	-5	82	

GEWARGIS GEOLOGICAL CONSULTING INC.

PROJECT Cedar — VLF-EM SURVEY — Oct 28, 1986

Line	Dip Angle	F.S.	Fraser Filter
L12+00W			
3+00W	+10	92	
2+75W	+3	88	+10
2+50W	+3	86	+8
2+25W	0	89	+4
2+00W	-2	84	0
1+75W	+1	84	+8
1+50W	-3	84	+8
1+25W	-6	83	+6
1+00W	-4	82	+15
0+75W	-11	89	+6
0+50W	-14	71	-19
0+25W	-7	63	+27
0+00	+1	62	-18
0+25E	+5	65	-8
0+50E	+6	71	-1
0+75E	+8	76	+10
1+00E	+4	76	+14
1+25E	0	79	+12
1+50E	-2	81	+6
1+75E	-6	76	-2
2+00E	-2	76	+5
2+25E	-4	77	+13
2+50E	-9	75	+6
2+75E	-10	74	
3+00E	-9	69	

Line	Dip Angle	F.S.	Fraser Filter
L11+00W			
1+25W	-3	61	
1+00W	-4	69	
0+75W	-6	76	
0+50W	-3	69	
0+25W	+2	74	
0+00	+7	78	
0+25E	+8	81	
0+50E	+4	88	
0+75E	0	88	
1+00E	0	89	
1+25E	-2	92	
1+50E	-10	86	
1+75E	-12	85	
2+00E	-17	76	
2+25E	-12	71	
2+50E	-16	72	
2+75E	-11	72	
3+00E	-9	70	



GEWARGIS GEOLOGICAL CONSULTING INC.

PROJECT Cedar VLF-EM SURVEY Oct 28, 1986

Line	Dip Angle	F.S.	Fraser Filter
L10+00N 3+00W	-2	76	
3+75W	0	81	
2+50W	-	-	+23
2+25W	-9	96	+29
2+00W	-18	82	+13
1+75W	-20	56	+1
1+50W	-20	66	-5
1+25W	-19	62	-21
1+00W	-16	61	-33
0+75W	-2	68	-15
0+50W	-	-	
0+25W	0	77	-5
0+00	-3	79	-15
0+25E	+6	79	-9
0+50E	+6	81	+5
0+75E	+6	87	+22
1+00E	+1	66	+29
1+25E	-11	84	+5
1+50E	-11	72	-15
1+75E	-4	69	-2
2+00E	-3	68	+7
2+25E	-10	69	-8
2+50E	-4	64	-8
2+75E	-1	64	
3+00E	-5	70	

Line	Dip Angle	F.S.	Fraser Filter
L9+00N 1+00W	-20	79	
0+75E	-15	81	-23
0+50W	-7	78	-17
0+25W	-5	78	
0+00	0	78	

PROJECT Cedar

GEWARGIS GEOLOGICAL CONSULTING INC.

VLF-EM SURVEY

(17) of (21)

Oct 29, 1986

Line	Dip Angle	F.S.	Fraser Filter	Line	Dip Angle	F.S.	Fraser Filter
L8+00W				L7+00N			
3+00W	-2	70		1+00W	-6	55	
2+75W	-5	70	+5	0+75W	-10	52	-11
2+50W	-5	69		0+50W	-9	58	-32
2+25W	-	-	+18	0+25W	+4	51	
2+00W	-7	70	+34	0+00	+9	55	
1+75W	-21	70	+17				
1+50W	-25	68	-10				
1+25W	-20	68	-14				
1+00W	-16	68	-14				
0+75W	-15	67	-23				
0+50W	-7	67	-26				
0+25W	-1	68	-18				
0+00	+5	71	-9				
0+25E	+5	86	0				
0+50E	+8	78	+8				
0+75E	+2	77	+4				
1+00E	+3	79	-7				
1+25E	+3	80	-4				
1+50E	+3	79	-10				
1+75E	+7	79	-7				
2+00E	+9	78	-6				
2+25E	+8	84	-12				
2+50E	+14	85	+7				
2+75E	+15	89					
3+00E	0	92					

PROJECT Cedar

GEWARGIS GEOLOGICAL CONSULTING INC.

VLF-EM SURVEY

(8) of (I)

Oct 29, 1986

Line	Dip Angle	F.S.	Fraser Filter
L4+00N			
3+00W	-19	47	
2+75W	-12	48	-7
2+50W	-11	49	+6
2+25W	-13	48	0
2+00W	76	47	-12
1+75W	-8	48	-6
1+50W	-9	46	+3
1+25W	-9	46	+6
1+00W	-11	95	+3
0+75W	-13	45	-10
0+50W	-10	95	-15
0+25W	-4	46	-16
0+00	-4	50	-9
0+25E	+6	49	+1
0+50E	-5	47	-10
0+75E	-	-	
1+00E	+6	49	-8
1+25E	+5	52	+3
1+50E	+2	50	-10
1+75E	+6	48	-16
2+00E	+11	51	-5
2+25E	+13	54	+4
2+50E	+9	55	-3
2+75E	+11	57	
3+00E	+14	59	

Line	Dip Angle	F.S.	Fraser Filter
L4+00N			
3+00W	-3	70	
2+75W	-4	72	+6
2+50W	-6	65	+3
2+25W	-7	61	+1
2+00W	-6	42	-8
1+75W	-8	48	-24
1+50W	+2	53	-26
1+25W	+8	92	+1
1+00W	+8	49	+7
0+75W	+1	51	-6
0+50W	+8	59	-3
0+25W	+7	58	-6
0+00	+5	45	-18
0+25E	+16	46	-6
0+50E	+14	50	-3
0+75E	+13	47	-13
1+00E	+20	45	-7
1+25E	+20	44	+4
1+50E	+20	47	-6
1+75E	+16	94	+1
2+00E	+18	43	-7
2+25E	+17	95	-15
2+50E	+25	45	-5
2+75E	+26	46	+19
3+00E	+21	57	+34
3+25E	+11	63	+29
3+50E	+2	64	+12
3+75E	+1	59	+9
4+00E	0	66	+14
4+25E	-6	54	+13
4+50E	-7	50	+7
4+75E	-12	53	
5+00E	-8	50	

PROJECT Cedar

GEWARGIS GEOLOGICAL CONSULTING INC.

VLF-EM SURVEY

Oct 30, 1986

Line	Dip Angle	F.S.	Fraser Filter
3+00N			
0+00	+9	55	
0+25E	+11	59	-7
0+50E	+12	55	-10
0+75E	+15	55	-12
1+00E	+18	55	6
1+25E	+17	56	+3
1+50E	+16	57	-5
1+75E	+16	59	-8
2+00E	+12	57	+2
2+25E	+18	59	+20
2+50E	+18	59	+28
2+75E	+2	59	+8
3+00E	+6	59	-1
3+25E	+6	59	+7
3+50E	+3	59	+7
3+75E	+2	60	+11
4+00E	0	66	+14
4+25E	-6	66	+9
4+50E	-6	64	+6
4+75E	-9	56	
5+00E	-9	60	

Line	Dip Angle	F.S.	Fraser Filter
L2+00N			
3+00W	-11	53	
2+75W	-16	44	-25
2+50W	-6	42	-19
2+25W	+4	48	-7
2+00W	+1	50	-5
1+75W	+4	55	0
1+50W	+6	57	+14
1+25W	-1	57	+8
1+00W	-3	55	+1
0+75W	0	56	+5
0+50W	-5	57	-6
0+25W	-3	57	-21
0+00	+4	56	-78
0+25E	+9	53	-8
0+50E	+10	60	-7
0+75E	+11	61	-5
1+00E	+15	59	0
1+25E	+11	53	-7
1+50E	+15	61	-12
1+75E	+18	62	-5
2+00E	+20	62	+6
2+25E	+18	70	+5
2+50E	+14	67	-3
2+75E	+19	74	+13
3+00E	+16	72	+27
3+25E	+4	74	+9
3+50E	+4	64	-3
3+75E	+7	62	+7
4+00E	+4	62	+12
4+25E	0	61	+10
4+50E	-1	58	+10
4+75E	-5	61	
5+00E	-6	63	

GEWARGIS GEOLOGICAL CONSULTING INC. (20 of 21)

PROJECT Cedar

VLF-EM SURVEY

Oct 31, 1986

Line	Dip Angle	F.S.	Fraser Filter
0+00	+8	55	
0+25E	+11	56	
0+50E	+11	58	
0+75E	+6	57	
1+00E	+8	56	
1+25E	+7	59	
1+50E	+16	60	
1+75E	+22	64	
2+00E	+10	89	
2+25E	-2	76	
2+50E	+2	67	
2+75E	0	61	
3+00E	+1	65	

Line	Dip Angle	F.S.	Fraser Filter
L2+00S 0+00	+10	56	
0+25E	+10	57	-8
0+50E	+16	57	+8
0+75E	+12	56	+17
1+00E	+6	55	+3
1+25E	+5	57	-5
1+50E	+10	57	+8
1+75E	+6	55	+15
2+00E	+1	50	+7
2+25E	0	48	-3
2+50E	0	42	-4
2+75E	+4	44	
3+00E	6	53	

GEWARGIS GEOLOGICAL CONSULTING INC.

PROJECT Cedar

VLF-EM SURVEY

Oct 31, 1986

Line	Dip Angle	F.S.	Fraser Filter	Line	Dip Angle	F.S.	Fraser Filter
9+00S 0+00	+24	57					
0+25E	+18	62	+8				
0+50E	+14	61	-7				
0+75E	+20	59	-11				
1+00E	+19	57	-20				
1+25E	+26	56	-12				
1+50E	+33	61	+19				
1+75E	+24	69	+33				
2+00E	+16	76	+33				
2+25E	+8	76	+32				
2+50E	-1	70	+7				
2+75E	+1	66					
3+00E	-1	63					

GEWARGIS GEOLOGICAL CONSULTING INC.

PROJECT — MAGNETOMETER SURVEY — 22/OCT, 198[illegible]

PAGE 1/1

Line	Mag Rdg Gamma	Time	Corrected Reading	Line	Mag Rdg Gamma	Corrected Reading
BASE	LINE					
0+00NW	57,475	12:08PM	+0 = 57,475			
0+25	465	12:11	465			
0+50	492	12:13	492			
0+75	445	12:15	445			
1+00	387	12:17	387			
1+25	410	12:19	410			
1+50	345	12:23	345			
1+75	283	12:25	+0 = 283			
2+00	360	12:28	+1 361			
2+25	457	12:30	458			
2+50	513	12:32	514			
2+75	528	12:34	529			
3+00	556	12:36	557			
3+25	554	12:38	555			
3+50	572	12:42	573			
3+75	553	12:43	554			
4+00	550	12:46	+1 = 551			
4+25	541	12:48	+2 = 543			
4+50	593	12:51	595			
4+75	749	12:57	751			
5+00	512	12:59	514			
5+25	561	1:01	563			
5+50	597	1:04	599			
5+75	578	1:06	+2 = 580			
6+00	585	1:08	+3 = 588			
6+25	603	1:12	606			
6+50	628	1:14	631			
6+75	640	1:16	643			
7+00	675	1:18	678			
7+25	739	1:20	742			
7+50	736	1:23	739			
7+75	779	1:24	+3 = 782			
8+00	736	1:27	+4 = 740			
0+00	471	1:46	+4 = 57,475			

GEWARGIS GEOLOGICAL CONSULTING INC.

PROJECT — MAGNETOMETER SURVEY — 23/OCT, 198E

BASE LINE Line	Mag Rdg Gamma	Time	Corrected Reading	BASE LINE Line	Mag Rdg Gamma	Corrected Reading
8+00NW	57,754 γ	9:32 A.M.	-14γ = 57,740γ	14+88NW	57,648 γ	11:17 A.M +36γ = 57,684γ
8+25	712	9:36	-12γ = 700	14+94	643	11:18 +35 = 668
8+50	721	9:39	-10 = 711	15+00	672	11:20 707
8+75	738	9:41	-9 = 729	15+25	671	11:22 +35 = 706
9+00	735	9:43	-8 727	15+50	680	11:24 +34 714
9+25	714	9:45	-7 707	15+75	640	11:27 674
9+50	719	9:47	-6 713	16+00	626	11:29 +34 660
9+75	712	9:49	-5 707	16+25	634	11:31 +33 667
10+00	705	9:51	-4 701	16+50	627	11:33 +33 660
10+25	694	9:53	-3 691	16+75	630	11:35 +32 662
10+50	703	9:55	-2 701	17+00	626	11:36 658
10+75	713	9:57	-1 712	17+25	627	11:37 659
11+00	728	9:59	+0 728	17+50	661	11:40 +32 693
11+25	712	10:01	+1 713	17+75	640	11:42 +31 671
11+50	708	10:03	+2 710	18+00	620	11:44 651
11+75	689	10:05	+3 692	18+25	616	11:46 +31 647
12+00	680	10:07	+4 684	18+50	627	11:48 +30 657
12+25	663	10:09	+5 668	18+75	629	11:50 659
12+25	650	10:11	+6 656	19+00	624	11:52 +30 654
12+50	651	10:13	+7 658	19+25	630	11:54 +29 659
12+75	654	10:14	+7 661	19+50	623	11:55 652
13+00	650	10:16	+8 658	19+75	610	11:57 +29 639
13+25	645	10:18	+9 654	20+00	622	11:59 +28 650
13+50	613	10:20	+10 623	14+50	675	12:14 P.M. +24γ = 57,699γ
13+75	617	10:22	+11 628	20+00	57,631 γ	12:49 PM + 19γ = 57,650γ
14+00	618	10:24	+12 630	20+25	633	12:52 652
14+25	609	10:26	+13 622	20+50	608	12:53 627
14+50	685	10:29	+15 699	20+75	611	12:56 630
8+00	717	10:47	+23γ = 57,740γ	21+00	618	12:58 637
14+50	57,663 γ	11:06 A.M	+36γ = 57,699γ	21+25	635	1:00 654
14+56	691	11:09	727	21+50	642	1:02 + 19γ = 661
14+62	740	11:10	776	21+75	651	1:05 + 20γ = 671
14+68	730	11:12	769	22+00	677	1:07 697
14+75	739	11:13	775	22+25	710	1:09 730
14+82	688	11:15	724	22+32	683	1:12 703

GEWARGIS GEOLOGICAL CONSULTING INC.

PROJECT — MAGNETOMETER SURVEY — 23/OCT, 1986

BASELINE Line	Mag Rdg Gamma	Time	Corrected Reading	BASELINE Line	Mag Rdg Gamma	Corrected Reading
22+38NW	57,642γ	1:14 P.M.	+21γ = 57,663γ	29+25NW	57,663γ	2:58 P.M. +17γ = 57,680γ
22+50	640	1:16	661	29+50	635	3:00 652
22+75	641	1:18	662	29+75	641	3:01 658
23+00	648	1:20	669	30+00	637	3:02 +17γ 654
23+25	661	1:23	+21 = 682	30+25	634	3:04 +16γ 650
23+50	653	1:26	+22 = 675	30+50	636	3:07 652
23+62	703	1:28	725	30+75	624	3:08 +16γ 640
23+75	706	1:30	728	31+00	620	3:11 +15γ 635
23+80	738	1:33	+22 = 760	31+25	608	3:13 623
23+87	923	1:35	+23 = 746	31+50	615	3:14+15γ 630
23+92	965	1:37	988	31+75	622	3:16+14γ 636
24+00	851	1:39	874	32+00	625	3:18+14γ 639
24+12	739	1:40	762	25+00	636	3:33 +10γ = 57,646γ
24+25	716	1:42	739	32+00	57,633γ	3:51 P.M. +6γ = 57,639γ
24+50	698	1:44	+23= 721	32+25	625	3:53 631
24+75	673	1:46	+24 697	32+50	637	3:55 633
25+00	622	1:49	+24= 646	32+75	640	3:57 646
20+00	624	2:01	+26γ = 57,650γ	33+00	635	3:59 641
25+00	57,624 γ	2:29 PM	+22 = 57,646γ	33+25	640	4:01 646
25+25	637	2:31	659	33+50	651	4:03 +6γ = 656
25+50	631	2:32	653	33+75	656	4:06 +5 661
25+75	653	2:34	+22γ 675	33+87	675	4:08 680
26+00	660	2:35	+21γ 681	34+00	691	4:10 696
26+25	648	2:38	669	34+12	669	4:12 674
26+50	651	2:40	+21γ 672	34+25	671	4:14 +5 676
26+75	657	2:42	+20γ 677	34+50	632	4:16 +4 ~~637~~ 636
27+00	650	2:44	670	34+75	649	4:19 ~~654~~ 653
27+25	656	2:45	+20γ 676	35+00	672	4:21 ~~677~~ 676
27+50	665	2:46	+19γ 684	35+12	693	4:23 ~~698~~ 697
27+75	651	2:47	670	35+25	659	4:25 ~~664~~ 663
28+00	652	2:49	671	35+50	642	4:26 +4 ~~647~~ 646
28+25	655	2:50	674	35+75	610	4:28 +3 ~~615~~ ~~614~~
28+50	659	2:52	+19γ 678	36+00	640	4:36 ~~645~~ 643
28+75	660	2:54	+18γ 678	36+12	670	4:32 673
29+00	660	2:56	+18γ 678	36+25	630	4:34 633

GEWARGIS GEOLOGICAL CONSULTING INC.

PROJECT — MAGNETOMETER SURVEY — 23 OCT., 1986

BASE LINE Line	Mag Rdg Gamma	Time	Corrected Reading	Line	Mag Rdg Gamma	Corrected Reading
36+37 NW	57,605 γ	4:36PM	+3γ = 57,608 γ			
36+42	562	4:38	+3γ = 565			
36+50	481	4:40	+2γ = 483			
36+50	460	4:41	462			
36+62	495	4:42	497			
36+67	567	4:43	569			
36+75	585	4:44	587			
36+82	617	4:45	619			
36+88	652	4:46	654			
37+00	665	4:47	667			
37+06	714	4:48	716			
37+12	696	4:49	698			
37+18	697	4:50	699			
37+25	719	4:51	+2γ = 721			
37+31	664	4:53	+1γ = 665			
37+38	645	4:54	646			
37+44	639	4:55	640			
37+50	630	4:56	631			
37+75	673	4:57	674			
37+82	690	4:58	691			
37+88	732	4:59	733			
37+90	634	5:00	635			
37+95	651	5:01	652			
38+00	651	5:02	+1γ = 652			
32+00	639	5:14	+0γ = 57,639 γ			

GEWARGIS GEOLOGICAL CONSULTING INC.

PROJECT — MAGNETOMETER SURVEY — 24/OCT, 1986

Line	Mag Rdg Gamma	Time	Corrected Reading	Line	Mag Rdg Gamma	Corrected Reading
BASE LINE 0+00 NW	57,470 γ	9:53 A.M.	+58 = 57,475 γ	0+00 NW 1+25 NE	57,633 γ	11:16 A.M. +26 γ = 57,659 γ
0+25 SE	473	9:55	+5 478	1+50	687	11:18 +27 714
0+50	511	9:57	+5 516	1+75	610	11:22 +29 639
0+75	554	9:59	+6 560	2+00	638	11:23 +29 667
0+81	509	10:01	+6 515	2+25	635	11:26 +30 665
0+84	457	10:02	+7 464	2+50	610	11:27 +31 641
0+87	418	10:03	+7 425	2+75	624	11:28 +31 655
0+90	345	10:05	+7 352	3+00	659	11:29 +31 690
0+93	336	10:06	+8 344	BASELINE 0+00 NW	436	11:50 +39 = 57,475 γ
0+97	354	10:07	+8 362	BASELINE 2+00 SE	57,407 γ	11:51 A.M. +8 γ = 57,415 γ
1+00	380	10:08	+8 388	0+25 NE	397	12:01 +9 406
1+06	400	10:09	+8 408	0+50	452	12:05 +10 462
1+12	397	10:10	+9 406	0+75	558	12:09 +11 569
1+18	368	10:12	+9 377	1+00	503	12:17 +13 516
1+25	381	10:13	+9 390	1+25	561	12:20 +14 575
1+37	390	10:15	+10 400	1+50	572	12:23 +15 587
1+50	413	10:17	+10 423	1+75	602	12:25 +16 618
1+75	472	10:19	+11 483	2+00	583	12:27 +16 599
2+00	403	10:23	+12 415	2+06	531	12:29 +17 548
2+25	395	10:26	+13 408	2+09	486	12:30 +17 603
2+50	417	10:28	+13 430	2+12	416	12:31 +17 433
2+75	390	10:31	+14 404	2+15	409	12:32 +18 427
3+00	419	10:36	+15 434	2+18	372	12:33 +18 390
3+25	444	10:39	+16 460	2+21	387	12:34 +18 405
3+50	431	10:42	+17 448	2+25	461	12:34 +18 479
3+75	430	10:44	+17 447	2+28	568	12:35 +19 587
4+00 SE	422	10:46	+18 440	2+30	690	12:35 +19 709
0+00 NW	454	11:01	+21 γ = 57,475 γ	2+32	825	12:36 +19 844
BASELINE 0+00 NW	57,454	11:01 A.M.	+21 γ = 57,475 γ	2+35	57,974	12:36 +19 = 57,993
0+25 NE	494	11:04	+23 515	2+37	58,304	12:37 +19 = 58,323
0+50	487	11:07	+24 510	2+40	58,901	12:38 +19 = 58,920
0+75	530	11:10	+25 554	2+42	59,425	12:39 +20 = 59,445
0+87	547	11:12	+25 572	2+45	59,582	12:41 +20 = 59,602
1+00	599	11:13	+25 624	2+47	59,937	12:42 +21 = 59,958.
1+12	617	11:14	+25 642	2+50	59,754	12:44 +21 = 59,775

GEWARGIS GEOLOGICAL CONSULTING INC.

PROJECT — MAGNETOMETER SURVEY — 24/OCT, 1986

Line	Mag Rdg Gamma	Time	Corrected Reading	Line	Mag Rdg Gamma	Corrected Reading
2+00 SE 2+53 NE	58,726γ	12:46 P.M.	+22γ = 58,748	BASELINE 4+00SE	57,412γ	2:34 P.M. +28γ = 57,440γ
2+55	58,319	12:47	+22 = 58,341			
2+58	58,124	12:49	+23 = 58,147			
2+60	58,179	12:50	+23 = 58,202			
2+70	58,225	12:52	+23 = 58,248			
2+75	58,135	12:53	+24 = 58,159			
2+80	58,375	12:54	+24 = 58,399			
2+85	58,419	12:55	+24 = 58,443			
2+90	58,240	12:56	+25 = 58,265			
2+95	57,882	12:56	+25 = 57,907			
3+00	57,751	12:58	+25 = 57,776			
BASELINE 2+00 SE	57,383	1:23	+32γ = 57,415γ			
BASELINE 4+00 SE	57,412γ	1:34 P.M.	+28γ = 57,440γ			
0+25NE	394	1:37	422			
0+50	404	1:38	432			
0+75	478	1:43	506			
1+00	650	1:52	678			
1+25	450	1:58	478			
1+50	354	2:01	382			
1+60	649	2:03	677			
1+70	57,616	2:04	57,644			
1+75	58,061	2:06	58,089			
1+80	57,802	2:07	57,830			
1+85	782	2:08	810			
1+90	730	2:10	758			
1+95	712	2:11	740			
2+00	562	2:12	590			
2+05	514	2:14	542			
2+10	485	2:15	513			
2+15	480	2:16	508			
2+25	494	2:16	522			
2+50	462	2:17	490			
2+75	477	2:18	505			
2+82	525	2:19	553			
3+00	579	2:22	607			

GEWARGIS GEOLOGICAL CONSULTING INC.

PROJECT — MAGNETOMETER SURVEY — 25/OCT, 1986

Line	Mag Rdg Gamma	Time	Corrected Reading	Line	Mag Rdg Gamma	Corrected Reading
LINE 38+00NW BASELINE	57,667γ	9:06 A.M.	-15γ = 57,652γ	37+00NW BASELINE	57,665γ	10:34 A.M. +2γ = 57,667γ
0+05NE	694	9:07	-15 679	36+00NW BASELINE	57,672	10:42 -29γ = 57,643γ
0+10	736	9:08	-14 722	0+25NE	604	10:44 -28 576
0+15	769	9:09	-14 755	0+50	609	10:46 -27 582
0+20	760	9:10	-13 747	0+75	654	10:48 -26 628
0+25	729	9:11	-12 717	1+00	649	10:50 -24 625
0+32	689	9:12	-12 677	1+25	622	10:53 -22 600
0+50	684	9:14	-10 674	1+50	629	10:54 -22 607
37+50 NW 1+00NE	667	9:24	~~-4~~ -4 663	1+75	658	10:56 -20 638
0+75	616	9:28	-1 615	2+00	693	10:58 -19 674
0+50	626	9:29	+0 626	2+25	749	11:00 -18 731
0+25	603	9:31	+1 604	2+32	786	11:03 -16 770
38+00 NW BASELINE	649	9:34	+3γ = 57,652γ	2+36	843	11:04 -15 828
37+00 NW BASELINE	676	9:37	- 9γ = 57,667γ	2+38	887	11:05 -14 873
0+12NE	669	9:42	- 9 660	2+40	907	11:06 -14 893
0+18	633	9:46	- 8 625	2+45	929	11:07 -13 916
0+25	593	9:47	-8 585	2+50	868	11:08 -12 856
0+32	581	9:48	-7 574	35+00NW 3+50NE	749	11:15 -8 741
0+36	639	9:49	-7 632	3+42	672	11:19 -6 666
0+50	632	9:52	-7 625	3+37	655	11:20 -4 651
0+75	616	9:54	-6 610	3+31	632	11:2~~8~~1 -4 628
0+95	673	9:55	-6 667	3+25	580	11:2~~4~~3 -2 578
1+00	729	9:57	-6 723	3+18	625	11:24 -2 623
1+25	653	9:59	-5 648	3+12	689	11:26 +0 689
1+50	612	10:01	-5 607	3+10	793	11:27 +0 793
36+50 NW 2+25 NE	784	10:12	-3 781	3+05	776	11:28 +1 777 x
2+12	727	10:14	-2 725	3+00	891 x	11:29 +1 892 x
2+00	700	10:15	-2 698	2+94	794	11:30 +2 796 x
1+75	690	10:20	-1 689	2+88	~~754~~ 759	11:31 +3 762 x
1+50	644	10:22	-1 641	2+81	729	11:32 ~~+3~~ +4 733
1+25	657	10:24	+0 657	2+75	694	11:33 +4 698
1+00	648	10:26	+0 648	2+69	663	11:34 +5 668
0+75	646	10:28	+0 646	2+63	665	11:35 +6 671
0+50	615	10:29	+0 615	2+56	689	11:36 +6 695
0+25	596	10:31	+1 597	2+50	783	11:36 +6 789 X

GEWARGIS GEOLOGICAL CONSULTING INC.

PROJECT — MAGNETOMETER SURVEY — 25/OCT, 1986

Line	Mag Rdg Gamma	Time	Corrected Reading	Line	Mag Rdg Gamma	Corrected Reading
35+00NW 2+44NE	57,731 γ	11:37A.M	+7γ = 57,738γ	0+31SW	57,860 γ	12:55P.M. +7γ = 57,867
2+38	878	11:37	+7 885	0+43	636	12:56 +7 643
2+32	58,105	11:38	+8 = 58,113	0+50	596	12:57 +7 603
2+25	57,921	11:39	+8 = 57,929	0+75	651	1:01 +9 660
2+19	824	11:40	+9 833	1+00	678	1:03 +9 687
2+15	760	11:41	+10 770	1+12	534	1:04 +9 543
2+12	664	11:42	+10 674	1+25	570	1:05 +10 580
2+06	738	11:43	+11 749	1+50	639	1:10 +11 650
2+00	700	11:44	+12 712	1+62	57,678	1:12 +12 57,690
1+94	676	11:45	+12 688	1+65	58,003	1:13 +12 58,015
1+87	892	11:46	+13 905	1+70	58,469	1:14 +12 58,481
1+81	703	11:47	+14 717	1+75	57,889	1:15 +12 57,901
1+75	674	11:47	+14 688	1+81	454	1:16 +13 467
1+73	633	11:48	+14 647	1+87	584	1:17 +13 597
1+71	714	11:49	+15 729	2+00	629	1:18 +13 642
1+69	614	11:50	+16 630	2+06	719	1:20 +14 733
1+62	607	11:51	+16 623	2+12	749	1:21 +14 763
1+50	620	11:52	+17 637	2+18	691	1:23 +14 705
1+37	591	11:53	+17 608	2+25	656	1:24 +15 671
1+25	646	11:54	+18 664	2+31	749	1:25 +15 764
1+00	629	11:56	+19 648	2+37	781	1:26 +15 796
0+75	614	11:57	+20 634	2+43	831	1:32 +17 848
0+50	640	11:58	+21 661	2+50	810	1:33 +17 827
0+25	573	11:59	+21 594	2+56	57,926	1:34 +17 57,943
0+19	826	12:01 P.M.	+23 849	2+62	58,002	1:35 +18 58,020
0+12	642	12:02	+23 665	2+67	57,945	1:36 +18 57,963
0+06	626	12:03	+23 649	2+75	929	1:37 +18 57,947
36+00NW BASELINE	620	12:07	+23 = 57,643	2+87	986	1:40 +19 58,005
36+00NW BASELINE	57,638 γ	12:46PM	+5γ = 57,643	3+00	795	1:41 +19 58,014
0+06SW	623	12:48	+5 628	35+00NW 3+00SW	58,013	2:01 +25 58,038
0+12	884	12:50	+6 890	2+94	58,055	2:02 +25 58,080
0+15	972	12:51	+6 978	2+87	57,918	2:03 +25 57,943
0+18	935	12:52	+6 941	2+81	606	2:04 +26 632
0+22	854	12:53	+6 860	2+75	533	2:05 +26 559
0+25	743	12:54	+7 750	2+50	572	2:07 +26 598

GEWARGIS GEOLOGICAL CONSULTING INC.

PROJECT — MAGNETOMETER SURVEY — 25/OCT, 1986

Line	Mag Rdg Gamma	Time	Corrected Reading	Line	Mag Rdg Gamma	Corrected Reading
~~3~~+00NW 2+00 SW	57,618 γ	2:08 P.M.	+27γ = 57,645	34+00 NW 2+62 NE	57,801 γ	3:18 P.M. +7γ = 57,808 γ
1+87	534	2:10	+27 561	2+75	870	3:19 +7 877
1+75	573	2:11	+27 600	2+82	969	3:21 +6 975
1+62	648	2:12	+28 676	2+88	986	3:22 +6 992
1+50	755	2:13	+28 783	2+92	787	3:23 +6 793
1+47	57,882	2:14	+28 57,910	3+00	655	3:24 +6 661
1+44	58,172	2:15	+29 58,201	33+00 NW 3+00 NE	870	3:42 +5 875
1+41	58,360	2:16	+29 58,389	2+94	772	3:43 +5 777
1+37	58,151	2:17	+29 58,180	2+87	736	3:44 +5 741
1+34	57,768	2:18	+29 57,797	2+82	712	3:44 +5 717
1+31	552	2:19	+30 582	2+75	705	3:45 +5 710
1+28	548	2:20	+30 578	2+67	663	3:46 +5 668
1+25	553	2:21	+30 583	2+50	676	3:47 +5 681
1+00	615	2:22	+30 645	2+25	656	3:48 +5 661
0+75	609	2:24	+31 640	2+18	624	3:51 +5 629
0+50	636	2:27	+31 667	2+12	57,974	3:52 +5 57,979
0+25	660	2:28	+32 692	2+09	58,687	3:53 +4 58,691
~~34+00NW~~ BASELINE	57,6~~88~~ 10	2:~~48~~ 34 P.M.	+33γ = 57,643 γ	2+06	58,525	3:54 +4 58,529
34+00 NW BASELINE	57,688 γ	2:48 P.M.	+8γ = 57,696 γ	2+00	57,694	3:55 +4 57,698
0+08 NE	57,511	2:49	+8 519	1+87	728	3:56 +4 732
0+16	610	2:51	+8 618	1+75	57,785	3:59 +4 57,789
0+25	647	2:53	+8 655	1+62	58,083	4:00 +4 58,087
0+50	645	2:54	+8 653	1+56	58,378	4:01 +4 58,382
0+75	622	2:57	+8 630	1+50	58,684	4:02 +4 58,688
1+00	633	2:59	+8 641	1+44	56,143	4:03 +4 56,147
1+25	642	3:01	+8 650	1+37	52,267	4:05 +4 52,271
1+50	656	3:02	+8 664	1+31	55,805	4:07 +4 55,809
1+62	682	3:06	+7 689	1+25	57,147	4:08 +4 57,151
1+68	742	3:07	+7 749	1+19	417	4:11 +3 420
1+75	919	3:08	+7 926	1+12	672	4:12 +3 675
1+82	750	3:09	+7 757	1+00	651	4:13 +3 654
1+88	705	3:11	+7 712	0+87	645	4:14 +3 648
2+00	670	3:13	+7 677	0+75	629	4:16 +3 632
2+25	658	3:14	+7 665	0+50	644	4:17 +3 647
2+50	735	3:16	+7 742	0+25	659	4:20 +3 662

GEWARGIS GEOLOGICAL CONSULTING INC.

PROJECT — MAGNETOMETER SURVEY — 25/OCT, 1986

Line	Mag Rdg Gamma	Time	Corrected Reading	Line	Mag Rdg Gamma	Corrected Reading
~~3300NW~~ ~~3400NW~~ BASELINE	57,693γ	4:24P.M.	+3γ = 57,696γ	3200NW 1+75SW	57,858γ	5:24 -2 = 57,856γ
BASELINE 3300NW	57,652γ	4:32P.M.	-11γ = 57,641γ	1+62	703	5:26 -2 701
0+25SW	679	4:33	-11 668	1+50	662	5:27 -2 660
0+50	681	4:35	-11 670	1+25	750	5:29 -1 749
0+75	656	4:37	-11 645	1+00	664	5:32 -1 663
1+00	700	4:38	-10 690	0+75	687	5:36 +0 687
1+19	717	4:41	-10 707	0+50	655	5:37 +0 655
1+25	415	4:42	-10 405	0+25	642	5:39 +1 643
1+37	675	4:43	-10 665	BASELINE 3300NW	57,640	5:43 +1γ = 57,641γ
1+50	663	4:45	-9 654			
1+75	733	4:46	-9 724			
1+87	789	4:47	-9 780			
2+00	715	4:48	-9 706			
2+12	~~858~~ 858	4:49	-8 650			
2+18	644	4:51	-8 636			
2+21	824	4:52	-8 ~~82~~816			
2+25	468	4:53	-8 460			
2+28	857	4:54	-8 849			
2+37	685	4:55	-7 678			
2+50	624	4:56	-7 617			
2+75	582	4:59	-7 575			
3+00	627	5:02	-6 621			
~~3200NW~~ ~~3300SW~~	638	5:10	-5 633			
2+75	668	5:12	-4 664			
2+50	769	5:13	-4 765			
2+37	770	5:16	-4 766			
2+31	805	5:17	-3 802			
2+25	839	5:18	-3 836			
2+19	884	5:18	-3 881			
2+12	689	5:19	-3 686			
2+06	645	5:20	-3 642			
2+00	726	5:20	-3 723			
1+94	787	5:21	-3 784			
1+87	834	5:22	-2 832			
1+81	787	5:23	-2 785			

GEWARGIS GEOLOGICAL CONSULTING INC.

PROJECT — MAGNETOMETER SURVEY — 26/OCT, 1986

Line	Mag Rdg Gamma	Time	Corrected Reading	Line	Mag Rdg Gamma	Corrected Reading
BASELINE 31+00NW	57,630 γ	855A.M.	+5γ = 57,635 γ	1+75SW	57,624 γ	11:08A.M. +17γ = 57,641 γ
0+25NE	637	857	642 862	2+00	596	11:11 +17 613
0+50	650	8:59	655	2+25	555	11:15 +16 571
0+75	649	9:00	654	2+37	584	11:17 600
1+00	665	9:01	670	2+43	564	11:18 580
1+25	679	9:05	+5 684	2+50	727	11:19 843
1+50	717	9:07	+4 721	2+56	745	11:21 761
1+62	767	9:09	771	2+62	460	11:22 476
1+75	831	9:11	741	2+68	461	11:23 +16 477
1+87	801	913	805	2+75	57,954	11:24 +15 = 57,969
2+00	774	9:14	778	2+81	58,115	11:26 58,130
2+25	719	9:17	+4 723	2+87	58,168	11:27 58,183
2+50	726	9:19	+3 729 730	2+94	58,038	11:28 58,053
2+75	730	9:21	733 734	3+00	57,862	11:29 57,877
3+06	793	9:23	796	3+06	943	11:30 958
32+00NW 3+00NE	826	9:27	829	3+12	955	11:31 +15 57,970
2+75	757	9:29	+3 760	3+18	987	11:32 +14 58,001
2+50	744	9:31	+2 746	3+25	914	11:33 57,929
2+25	723	9:32	725	3+31	868	11:34 883
2+00	717	9:34	719	3+37	827	11:37 841
1+75	747	9:37	749	3+42	762	11:38 +14 776
1+50	723	9:39	725	3+50	718	11:44 +13 731
1+25	670	9:42	+2 672	30+00 NW 3+00SW	531	11:53 +12 543
1+00	644	9:43	+1 645	2+75	528	11:54 +12 540
0+75	654	9:46	655	2+50	580	11:56 +12 592
0+50	642	9:47	643	2+25	592	11:58 +11 603
0+25	641	9:49	+1 642	2+00	623	11:59 634
BASELINE 31+00NW	57,634	9:54	+1 γ = 57,635 γ	1+75	633	12:00P.M. 644
BASELINE 28+00NW	57,651 γ	10:41AM	+20γ = 57,671 γ	1+50	612	12:01 623
0+25SW	657	10:43	+20 677	1+25	638	12:03 649
0+50	650	10:52	+19 669	1+00	664	12:05 +11 675
0+75	636	10:54	+19 655	0+75	636	12:06 +10 646
1+00	626	10:59	+18 644	0+50	640	12:08 +10 650
1+25	621	11:02	+18 639	0+25	619	12:09 +10 629
1+50	615	11:05	+18 633	BASELINE 28+00NW	661	12:13 +10γ = 57,671 γ

GEWARGIS GEOLOGICAL CONSULTING INC.

PROJECT — MAGNETOMETER SURVEY — 26/OCT, 1986

Line	Mag Rdg Gamma	Time	Corrected Reading	Line	Mag Rdg Gamma	Corrected Reading
~~2+00NW~~ BASELINE	57,660γ	1:07P.M.	+11γ = 57,671γ	2+50NE	57,781γ	2:44P.M. +5γ = 57,786γ
0+25NE	694	1:09	705	2+44	776	2:45 +5γ 781
0+50	716	1:13	727	2+37	755	2:47 +4γ 76759
0+75	718	1:15	729	2+31	757	2:47 761
1+00	734	1:16	745	2+25	867	2:48 871
1+25	794	1:19	805	2+19	814	2:49 818
1+50	855	1:21	+11 866	2+12	788	2:51 792
1+62	882	1:24	+10 892	2+06	813	2:52 817
1+75	57,947	1:26	57,957	2+00	816	2:54 820
1+87	58,059	1:28	58,069	1+94	787	2:55 791
2+00	58,076	1:29	58,086	1+87	791	2:55 795
2+06	58,147	1:31	58,157	1+75	778	2:57 782
2+12	58,171	1:32	58,181	1+50	733	258 737
2+18	58,194	1:33	58,204	1+25	715	2:59 +4γ 719
2+25	58,268	1:34	+10 58,278	1+00	682	3:01 +3γ 685
2+31	58,370	2:14	+7 58,377	0+75	654	3:03 657
2+37	58,560	2:15	58,567	0+50	660	3:04 663
2+44	58,788	2:16	58,795	0+25	659	3:05 662
2+50	59,079	2:17	+7 59,086	BASELINE 2+00NW	57,668γ	3:13 +3γ = 57,671γ
2+56	59,231	2:19	+6 59,231	BASELINE 2+50NW	57,624γ	3:31P.M. +22γ = 57,646γ
2+62	59,301	2:21	59,307	0+25SW	657	3:36 +22 679
2+68	59,374	2:22	59,380	0+50	652	3:37 +21 673
2+75	59,218	2:23	59,224	0+75	637	3:38 658
2+81	59,166	2:24	59,170	1+00	608	3:39 629
2+87	58,000	2:24	58,006	1+25	625	3:40 +21 646
2+94	57,547	2:25	57,553	1+50	618	3:42 +20 638
3+00	495	2:26	+6 501	1+75	618	3:44 638
~~3+00NW~~ 3+00NE	959	2:36	+5 964	2+00	610	3:46 +20 630
2+94	922	2:37	927	2+25	631	3:48 +19 650
2+87	871	2:38	876	2+50	629	3:51 +19 648
2+81	837	2:39	842	2+75	585	3:53 +18 603
2+75	817	2:40	822	3+00	560	3:59 +17 577
2+69	809	2:41	814	~~3+00NW~~ 3+00SW	615	4:08 +15 630
2+62	806	2:42	811	2+75	662	4:24 +12 674
2+57	790	2:43	795	2+50	632	4:27 +12 644

GEWARGIS GEOLOGICAL CONSULTING INC.

PROJECT — MAGNETOMETER SURVEY — 26/OCT, 198€

Line	Mag Rdg Gamma	Time	Corrected Reading	Line	Mag Rdg Gamma	Corrected Reading
2+00 NW 2+25 SW	57,608γ	4:28 P.M.	+11γ = 57,619γ			
2+00	627	4:29	638			
1+75	606	4:30	617			
1+50	613	4:31	624			
1+25	616	4:32	+11 627			
1+00	628	4:34	+10 638			
0+75	627	4:35	637			
0+50	648	4:36	658			
0+25	641	4:37	+10 651			
BASELINE 25+00 NW	57,637γ	4:43 P.M.	+9γ = 57,646γ			

GEWARGIS GEOLOGICAL CONSULTING INC.

PROJECT — MAGNETOMETER SURVEY — 27/OCT, 1986

Line	Mag Rdg Gamma	Time	Corrected Reading	Line	Mag Rdg Gamma	Corrected Reading
24+00NW BASELINE	57,776γ	9:19A.M.	+98γ = 57,874γ	24+50NW 1+50NE	57,702γ	11:06A.M. +75γ = 57,777γ
0+06SW	712	9:23	+96 808	1+75	685	11:10 +74 759
0+12	583	9:24	+96 679	2+00	711	11:13 +73 784
0+18	566	9:25	+95 661	2+25	760	11:14 +73 833
0+25	559	9:26	+95 654	2+50	713	11:16 +72 785
0+50	556	9:28	+94 650	2+75	701	11:18 +72 773
0+75	529	9:31	+92 621	3+00	762	11:21 +71 833
1+00	525	9:35	+90 615	26+00NW 3+25NE	801	11:52 +63 864
1+25	528	9:37	+90 618	3+00	761	11:54 +63 824
1+50	498	9:40	+88 586	2+75	684	11:58 +62 746
1+75	504	9:43	+87 591	2+50	705	12:03 +60 765
2+00	524	9:44	+86 610	2+25	710	12:05 +60 770
2+25	512	9:46	+85 597	2+00	731	12:07 +60 791
2+50	564	10:04	+77 641	1+75	711	12:08 +59 770
2+75	475	10:06	+76 551	1+50	712	12:09 +59 771
3+00	521	10:07	+75 596	1+25	707	12:11 +59 766
22+00NW 3+00SW	532	10:14	+72 604	1+00	680	12:12 +58 738
2+75	565	10:16	+71 636	0+75	672	12:13 +58 730
2+50	509	10:17	+70 579	0+50	657	12:14 +58 715
2+25	549	10:19	+70 619	0+25	647	12:16 +57 704
2+00	557	10:21	+68 625	24+50NW BASELINE	57,665γ	12:23P.M. +56γ = 57,721γ
1+75	589	10:23	+68 657	BASELINE 20+00NW	57,635γ	1:14P.M. +15γ = 57,650γ
1+50	564	10:24	+67 631	0+25NE	715	1:16 +15 730
1+25	533	10:32	+63 596	0+50	684	1:17 +15 799
1+00	580	10:34	+62 642	0+75	688	1:19 +16 704
0+75	607	10:36	+61 668	1+00	621	1:22 +17 638
0+50	619	10:37	+61 680	1+25	625	1:24 +17 642
0+25	636	10:38	+60 696	1+50	670	1:27 +18 688
24+00NW BASELINE	57,816γ	10:44AM	+58γ = 57,874γ	1+75	743	1:31 +19 762
24+50NW BASELINE	57,643γ	10:51AM	+78γ = 57,721γ	2+00	682	1:32 +20 702
0+25NE	581	10:54	+78 659	2+06	741	1:36 +21 762
0+50	601	10:59	+77 678	2+12	868	1:37 +21 889
0+75	656	11:00	+76 742	2+18	901	1:39 +22 923
1+00	663	11:01	+76 739	2+25	849	1:40 +22 871
1+25	682	11:03	+76 758	2+31	773	1:41 +22 795

GEWARGIS GEOLOGICAL CONSULTING INC.

PROJECT — MAGNETOMETER SURVEY — 27/OCT, 1986

Line	Mag Rdg Gamma	Time	Corrected Reading	Line	Mag Rdg Gamma	Time	Corrected Reading
20+00 NW 2+37 NE	57,758γ	1:42 P.M	+23γ = 57,781γ	18+00 NW 2+67 SW	57,582	3:24	+18γ = 57,600γ
2+44	753	1:43	+23 776	3+00	598	3:26	+17 615
2+50	723	1:44	+23 746	20+00 NW 3+00 SW	729	3:39	+13 742
2+62	720	1:46	+24 744	2+75	726	3:40	+12 738
2+75	733	1:47	+24 757	2+62	581	3:43	+11 592
3+00	793	1:50	+25 818	2+50	641	3:44	+11 652
22+00 NW 3+00 NE	778	2:01	+28 806	2+37	685	3:45	+10 695
2+75	752	2:02	+29 781	2+25	626	3:47	+10 636
2+50	689	2:03	+29 718	2+00	587	3:48	+9 596
2+25	718	2:06	+30 748	1+75	556	3:49	+9 565
2+00	701	2:09	+31 ~~762~~ 732	1+50	~~566~~	3:51	+8 574
1+75	674	2:13	+32 706	1+25	576	3:53	+8 584
1+50	650	2:14	+32 682	1+00	587	3:54	+7 594
1+25	615	2:16	+33 648	0+75	615	3:57	+6 621
1+00	625	2:24	+35 660	0+50	604	3:58	+6 610
0+75	638	2:26	+36 674	0+25	644	4:01	+5 649
0+50	636	2:28	+36 672	BASELINE 18+00 NW	57,648	4:08 P.M.	+3γ = 57,651
0+25	646	2:29	+37 683	BASELINE 17+00 NW	645	4:12	648
20+00 NW BASELINE	57,613γ	2:33 P.M	+37γ = 57,650γ	0+25 NE	644	4:13	647
BASELINE 18+00 NW	57,619γ	2:41 P.M.	+32γ = 57,651γ	0+50	649	4:14	652
0+25 SW	624	2:44	+31 655	0+75	665	4:16	668
0+50	613	2:47	+30 643	0+87	701	4:17	+3 704
0+75	595	2:48	+30 625	1+00	782	4:19	+4 ~~785~~ 786
1+00	574	2:53	+28 602	1+12	724	4:20	728
1+25	596	2:56	+27 623	1+25	681	4:23	685
1+50	617	2:58	+27 644	1+50	713	4:24	717
1+75	640	2:59	+26 666	1+75	800	4:25	+4 804
2+00	592	3:06	+24 616	1+87	733	4:28	+5 738
2+12	529	3:08	+23 552	2+00	677	4:29	682
2+25	427	3:09	+23 450	2+25	728	4:30	733
2+37	590	3:16	+20 610	2+50	714	4:31	719
2+44	920	3:17	+20 940	2+75	739	4:32	744
2+50	890	3:18	+20 910	3+00	704	4:35	+5 709
2+62	886	3:21	+19 905	18+00 NW 3+00 NE	740	4:40	+6 746
2+75	458	3:23	+18 476	2+75	758	4:42	+6 764

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PROJECT — MAGNETOMETER SURVEY — 27/OCT, 1986

Line	Mag Rdg Gamma	Time	Corrected Reading	Line	Mag Rdg Gamma	Corrected Reading
18+00NW 2+50NE	57,749γ	4:47PM	+7γ = 57,756γ			
2+25	706	4:48	713			
2+00	689	4:50	696			
1+75	700	4:52	707			
1+62	797	4:54	+7 804			
1+50	750	4:55	+8 758			
1+25	750	4:56	758			
1+00	685	4:58	693			
0+75	681	4:59	689			
0+50	673	5:01	681			
0+25	658	5:02	666			
18+00NW BASELINE	643	5:03	+8γ = 57,651γ			

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PROJECT — MAGNETOMETER SURVEY — 28/OCT, 198€

Line	Mag Rdg Gamma	Time	Corrected Reading	Line	Mag Rdg Gamma	Corrected Reading
BASELINE 15+00NW	57,683γ	9:29A.M	+24γ = 57,707γ	15+00NW H562W	57,574	10:40A.M. +35γ = 57,609γ
BASELINE 14+00 NW	57,597	9:33	+24 621	1+50	580	10:41 615
0+25SW	580	9:36	+25 605	1+25	597	10:43 632
0+50	553	9:39	+25 578	1+00	584	10:44 +35 619
0+75	580	9:43	+26 606	0+75	596	10:46 +36 631
1+00	590	9:46	+26 616	0+50	562	10:48 +36 597
1+25	636	9:49	+27 663	0+25	626	10:50 +36 661
1+37	668	9:53	+27 635	BASELINE 15+00NW	57,671γ	10:50 A.M. + 36γ = 57,707γ
1+44	667	9:54	+28 695	BASELINE 15+50NW	57,682γ	10:56A.M +36 718
1+50	746	9:55	+28 764	0+25NE	57,697	10:58 +36 733
1+56	738	9:56	+28 756	0+31	758	10:59 +36 794
1+62	625	9:58	+28 ~~637~~ 653 643	0+37	57,864	11:00 +37 57,901
1+75	718	10:02	+29 747	0+44	58,094	11:01 58,131
1+87	605	10:04	+29 634	0+50	58,004	11:02 58,041
2+00	603	10:05	+29 632	0+56	58,065	11:03 58,102
2+25	625	10:07	+30 655	0+62	57,938	11:03 57,977
2+50	629	10:08	+30 659	0+67	846	11:04 883
2+75	620	10:11	+30 650	0+75	794	11:06 831
3+00	57,581	10:13	+30 57,611	0+81	747	11:07 784
15+00NW 3+00SW	58,146	10:22	+32 58,178	0+87	664	11:07 701
2+94	57,915	10:24	+32 57,947	0+94	661	11:08 698
2+87	575	10:25	+32 607	1+00	626	11:09 +37 663
2+81	556	10:26	+33 589	1+25	686	11:12 +38 724
2+75	460	10:27	+33 493	1+37	698	11:13 736
2+62	579	10:28	612	1+44	652	11:14 690
2+50	624	10:30	657	1+50	585	11:16 623
2+37	652	10:32	685	1+62	448	11:17 486
2+25	729	10:32	+33 762	1+68	57,791	11:18 +38 57,829
2+12	654	10:33	+34 688	1+75	58,238	11:19 +39 58,277
2+00	608	10:34	642	1+81	57,952	11:20 57,991
1+87	645	10:35	679	1+87	721	11:21 760
1+81	758	10:36	792	1+94	734	11:23 773
1+75	798	10:37	832	2+00	610	11:23 649
1+68	706	10:38	+34 740	2+25	678	11:24 717
1+62	631	10:39	+35 666	2+50	638	11:28 +39 677

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PROJECT — MAGNETOMETER SURVEY — 28/OCT, 1986

Line	Mag Rdg Gamma	Time	Corrected Reading	Line	Mag Rdg Gamma	Corrected Reading
15+50NW 2+75NE	57,633γ	11:29A.M	+40γ = 57,673γ	15+00NW 3+25NE	57,762γ	12:43P.M. +47γ = 57,809γ
2+87	642	11:31	682	3+12	796	12:45 +47 843
2+94	573	11:32	613	3+00	819	12:46 +48 867
3+00	434	11:33	+40γ 474	2+75	764	12:47 812
15+00NW 2+00NE	696	12:09P.M	+44 740	2+62	693	12:48 741
5+94	57,685	12:10	57,729	2+50	709	12:49 757
5+87	58,803	12:12	58,847	2+25	705	12:51 753
5+81	58,295	12:13	58,339	2+00	686	12:52 734
5+75	58,057	12:14	58,101	1+75	662	12:54 +48 710
5+69	57,938	12:15	57,982	1+50	639	12:55 +49 687
5+62	989	12:16	+44 58,033	1+25	621	12:56 669
5+57	872	12:17	+45 57,917	1+00	610	12:57 658
5+50	896	12:17	941	0+75	662	12:58 710
5+44	816	12:19	861	0+62	696	12:59 742
5+37	153	12:21	198	0+56	843	1:00 891
5+31	634	12:22	679	0+50	804	1:06 852
5+25	761	12:23	806	0+44	690	1:01 738
5+12	760	12:23	805	0+25	667	1:02 +49 715
5+00	724	12:24	769	BASELINE 15+00NW	658	1:04 +49γ = 57,707γ
4+75	734	12:25	+45 779	BASELINE 13+00NW	57,644γ	1:44P.M. +14γ = 57,658γ
4+68	670	12:27	+46 716	0+25NE	689	1:45 +14 703
4+62	383	12:28	429	0+37	729	1:46 743
4+56	265	12:29	311	0+44	874	1:47 888
4+50	473	12:30	519	0+50	925	1:48 939
4+44	367	12:31	413	0+56	971	1:49 +14 985
4+37	219	12:32	265	0+62	887	1:51 +15 ~~90~~ 90
4+31	378	12:33	424	0+67	805	1:52 ~~819~~ 8
4+25	474	12:34	520	0+75	975	1:53 ~~989~~ 99
4+19	599	12:34	+46 645	0+81	57,981	1:53 ~~57,995~~ 57,
4+12	677	12:36	+47 723	0+87	58,028	1:54 +15 ~~58,042~~ 58,0
4+00	725	12:37	771	0+94	58,056	1:55 +16 ~~58,070~~ 58,0
3+87	785	12:37	831	1+00	58,058	1:56 58,074
3+75	767	12:38	813	1+06	57,900	1:56 57,916
3+62	782	12:40	828	1+12	858	1:57 874
3+50	759	12:42	805	1+18	918	1:59 934

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PROJECT — MAGNETOMETER SURVEY — 28/OCT, 1986

Line	Mag Rdg Gamma	Time	Corrected Reading	Line	Mag Rdg Gamma	Corrected Reading
13+00NW 1+25NE	57,956γ	2:00 P.M.	+16γ = 57,972γ	14+00NW 0+31NE	57,726γ	2:55 P.M. +27γ = 57,753γ
1+31	830	2:01	+17 847	0+25	694	2:55 +27 721
1+37	615	2:02	+17 632	BASELINE 13+00NW	57,631	2:59 + 27γ = 57,658γ
1+50	660	2:05	+17 677	BASELINE 11+00NW	57,694γ	3:07 P.M. +34γ = 57,728γ
1+62	580	2:06	+18 598	0+25NE	716	3:09 750
1+75	637	2:07	655	0+50	757	3:10 791
2+00	685	2:08	703	0+75	749	3:12 783
2+25	639	2:09	657	1+00	673	3:14 707
2+50	683	2:11	+18 701	1+25	644	3:15 678
2+62	750	2:13	+19 768 769	1+50	634	3:16 668
2+75	804	2:16	+19 822 823	1+75	634	3:17 668
3+00	784	2:17	+20 802 804	2+00	591	3:18 627
14+00NW 3+00NE	694	2:28	+22 716	2+25	644	3:19 678
2+75	705	2:31	+22 727	2+50	563	3:21 597
2+50	649	2:33	+23 672	2+57	687	3:23 721
2+25	629	2:34	652	2+62	698	3:23 732
2+00	676	2:36	709 699	2+68	688	3:24 722
1+75	636	2:37	659	2+75	691	3:24 625 725
1+62	609	2:38	+23 632	2+81	710	3:26 744
1+50	563	2:38	+23 586	2+87	638	3:27 672
1+25	653	2:40	+24 677	3+00	647	3:28 681
1+19	57,891	2:43	+24 57,915	12+00NW 3+00NE	638	3:30 672
1+12	58,102	2:44	+25 58,127	2+75	687	3:32 +34 721
1+06	58,258	2:44	58,283	2+50	677	3:33 +33 710
1+00	58,111	2:45	58,136	2+25	637	3:34 670
0+94	58,039	2:46	58,064	2+00	671	3:35 704
0+87	57,987	2:47	58,012	1+75	608	3:37 641
0+81	962	2:48	+25 ~~58~~ 57,987	1+50	615	3:38 648
0+75	959	2:48	+25 984	1+25	641	3:39 674
0+68	931	2:49	+26 957	1+00	706	3:41 739
0+61	794	2:50	820	0+87	850	3:45 883
0+56	701	2:51	727	0+81	905	3:46 938
0+50	859	2:53	885	0+75	884	3:47 917
0+44	814	2:54	840	0+68	57,945	3:48 57,978
0+37	778	2:54	+26 804	0+62	58,001	3:49 58,034

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PROJECT — MAGNETOMETER SURVEY — 28/OCT, 1986

Line	Mag Rdg Gamma	Time	Corrected Reading	Line	Mag Rdg Gamma	Corrected Reading
12+00 NW 0+56 NE	57,958γ	3:49 P.M.	+33γ = 57,991γ			
0+50	959	3:50	992			
0+44	868	3:51	901			
0+37	846	3:51	879			
0+31	803	3:52	836			
0+25	711	3:53	744			
0+19	665	3:54	698			
BASELINE 11+00 NW	57,695γ	3:57 P.M.	+33γ = 57,728γ			
BASELINE 12+00 NW	57,665γ	3:55 P.M.	+19γ = 57,684γ			
~~BASELIN 10+00 NW 0+25 SW~~	655	4:06	+17 672			
0+50	656	4:08	+16 672			
0+75	641	4:14	+15 656			
1+00	638	4:20	+13 651			
1+25	605	4:24	+12 ~~617~~			
1+50	583	4:28	+11 594			
1+75	589	4:29	+11 600			
2+00	601	4:31	+10 611			
2+25	583	4:32	+10 593			
2+50	587	4:35	+9 596			
2+75	584	4:38	+8 592			
3+00	578	4:39	+8 586			
12+00 NW 3+00 SW	604	4:47	+6 610			
2+75	614	4:49	+5 619			
2+50	616	4:51	+5 621			
2+25	648	4:53	+4 652			
2+00	633	4:54	+4 637			
1+75	613	4:54	+4 617			
1+50	630	4:55	+4 634			
1+25	616	4:56	+3 619			
1+00	659	4:57	+3 662			
0+75	639	4:58	+3 642			
0+50	632	5:00	+2 634			
0+25	648	5:02	+2 650			
BASELINE 12+00 NW	682	5:04	+2γ = 57,684γ			

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PROJECT — MAGNETOMETER SURVEY — 29/OCT, 1986

Line	Mag Rdg Gamma	Time	Corrected Reading
BASE LINE 13+00NW	57,672γ	8:55A.M	-14γ = 57,658γ
0+25SW	619	8:58	-7γ = 612
0+50	586	8:59	-5 = 581
0+75	580	9:02	+2 582
1+00	620	9:03	+4 624
BASE LINE 13+00NW	643	9:08	+15γ = 57,658γ
BASELINE 11+00NW	57,703	9:16	+25γ = 57,728γ
0+25SW	684	9:18	+25γ 709
0+50	641	9:20	+24 665
0+75	656	9:22	+23 679
1+00	635	9:24	+22 657
1+25	607	9:27	+21 628
BASELINE 11+00 NW	710	9:34	+18γ = 57,728γ
BASELINE 8+00NW	57,720	9:44	-19γ = 57,701γ
0+25NE	715	9:46	-18 697
0+50	648	9:48	-16 632
0+75	57,684	9:51	-14 57,670
0+81	58,193	9:53	-13 58,180
0+87	58,020	9:54	-12 58,008
0+94	58,137	9:55	-12 58,125
1+00	58,353	9:56	-11 58,342
1+06	58,006	9:57	-10 57,996
1+12	57,548	9:58	-10 538
1+18	610	9:59	-9 601
1+25	658	10:02	-7 651
1+31	695	10:03	-6 689
1+50	771	10:04	-6 765
1+56	889	10:06	-4 885
1+62	832	10:07	-4 828
1+67	854	10:08	-3 851
1+75	767	10:09	-2 765
1+82	821	10:10	-2 819
1+88	745	10:11	-1 744
1+94	783	10:12	+0 783
2+00	702	10:13	+0 702

Line	Mag Rdg Gamma	Time	Corrected Reading
8+00NW 2+25NE	57,698γ	10:14A.M.	+1γ = 57,699
2+50	692	10:15	+2 694
2+62	791	10:16	+3 794
2+75	57,887	10:17	+3 57,890
2+81	58,055	10:18	+4 58,059
2+87	58,395	10:19	+4 58,399
2+94	57,891	10:20	+5 57,896
3+00	869	10:21	+6 875
10+00NW 3+00NE	696	10:29	+11 707
2+75	764	10:32	+13 777
2+50	689	10:33	+14 703
2+25	723	10:43	+21 744
2+00	733	10:44	+21 754
1+75	696	10:45	+22 718
1+50	652	10:46	+23 675
1+25	661	10:47	+23 684
1+00	684	10:48	+24 708
0+75	673	10:50	+25 698
0+50	696	10:51	+26 722
0+25	683	10:53	+27 710
BASELINE 10+00 NW	674	10:54	+27γ = 57,701γ
BASELINE 8+00NW	57,709	10:59	+31γ = 57,740γ
8+00NW 6+25SW	671	11:13	702
0+50	656	11:17	687
0+75	642	11:19	673
1+00	593	11:23	724
BASELINE 8+00NW	709	11:34	+31γ = 57,740γ
6+00NW 6+25SW	57,530	11:44	+30 560
0+50	514	11:46	544
0+75	509	11:51	+30 539
1+00	481	11:56	+29 510
1+25	558	11:58	+29 587
1+50	473	12:01 P.M.	+29 502
1+75	454	12:04	+28 582
2+00	458	12:06	486

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PROJECT — MAGNETOMETER SURVEY — 29/OCT, 1986

Line	Mag Rdg Gamma	Time	Corrected Reading		Line	Mag Rdg Gamma	Corrected Reading	
6+00NW 2+25SW	57,522γ	12:08P.M.	+28γ = 57,550γ		4+00NW 1+87NE	57,641γ	2:46 P.M. +31γ = 57,672γ	
2+50	482	12:12	+28	510	2+00	786	2:48	817
2+75	478	12:15	+27	505	2+06	716	2:49	747
3+00	487	12:18	+27	514	2+12	57,753	2:50	57,784
5+00NW 3+00SW	548	12:42	+25	573	2+19	58,034	2:52	58,065
2+75	554	12:43	+24	578	2+25	57,894	2:53	57,925
2+50	563	12:46		587	2+37	58,003	2:56	58,034
2+25	554	12:48		578	2+44	58,198	2:57	58,229
2+00	555	12:50		579	2+50	58,296	2:58	58,327
1+75	524	12:52	+24	548	2+56	58,192	2:59	58,223
1+50	563	12:54	+23	586	2+62	58,282	3:00	58,313
1+25	535	12:57	+23	558	2+68	57,889	3:01	57,920
1+00	545	1:00	+23	568	2+75	832	3:02 +31γ	863
0+75	566	1:03	+22	588	2+87	842	3:06 +30γ	873
0+50	580	1:07	+22	602	3+00	871	3:07	902
0+37	680	1:16	+21	701	3+12	856	3:09	886
0+25	701	1:17		722	3+25	850	3:12	880
0+12	729	1:19		750	3+37	722	3:14	752
BASELINE 6+00NW	57,719γ	1:22P.M.	+21γ = 57,740γ		3+50	738	3:17	768
BASELINE 7+00NW	57,667γ	1:52PM	+11γ = 57,678γ		3+75	721	3:19	751
0+25SW	601	1:54	+11	612	4+00	761	3:21	791
0+50	560	1:57	+13	573	4+25	639	3:22 +30γ	699
0+75	522	1:59	+14	536	4+31	946	3:26 +29γ	975
1+00	526	2:02	+15	541	4+37	872	3:27	901
BASELINE 7+00NW.	660	2:10	+18γ = 57,678γ		4+44	812	3:27	841
BASELINE 4+00NW	57,519γ	2:27P.M.	+32γ = 57,551γ		4+50	86	3:28	839
0+25NE	589	2:29		621	4+62	832	3:28	861
0+37	640	2:31		672	4+75	882	3:29	911
0+50	668	2:32		700	4+87	800	3:30	829
0+75	688	2:33		720	5+00	949	3:31 +29γ	978
1+00	590	2:35		622	6+00NW 3+00NE	719	3:46 +28γ	748
1+25	609	2:37		641	2+75	863	3:49	892
1+50	540	2:41		572	2+50	778	3:52	807
1+62	503	2:43		535	2+25	740	3:54	769
1+75	576	2:44	+32	608	2+12	647	3:56	676

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PROJECT — MAGNETOMETER SURVEY — 29/OCT, 1986

Line	Mag Rdg Gamma	Time	Corrected Reading	Line	Mag Rdg Gamma	Corrected Reading
6+00NW 2+00NE	57,657γ	3:57 P.M.	+28γ = 57,685γ			
1+75	739	3:58	767			
1+62	636	3:59	+28γ 664			
1+50	630	3:59	+28γ 658			
1+37	657	4:00	+27γ 684			
1+31	694	4:01	721			
1+25	904	4:02	931			
1+19	679	4:03	706			
1+00	651	4:05	678			
0+81	720	4:06	747			
0+75	803	4:07	830			
0+62	716	4:08	743			
0+50	637	4:09	664			
0+37	578	4:10	605			
0+25	577	4:11	604			
BASELINE 4+00NW	57,524γ	4:18 P.M.	+27γ = 57,551γ			

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PROJECT — MAGNETOMETER SURVEY — 30/OCT, 1986

Line	Mag Rdg Gamma	Time	Corrected Reading	Line	Mag Rdg Gamma	Corrected Reading
BASELINE 2+00NW	57,352γ	8:23A.M.	+9γ = 57,361γ	2+00NW 4+75NE	57,780γ	9:46A.M. +26γ = 57,806γ
0+12NE	405	8:26	+9 414	5+00	852	9:47 +26 878
0+25	516	8:27	+9 525	3+50NW 3+50NE	665	10:12 +32 697
0+50	565	8:29	+10 575	3+44	502	10:13 +32 534
0+62	643	8:31	+10 653	3+37	604	10:14 +32 636
0+75	607	8:32	+10 617	3+25	642	10:16 +33 675
1+00	572	8:33	+11 583	3+00	584	10:18 +33 617
1+12	663	8:36	+11 674	2+75	612	10:20 +33 645
1+25	697	8:38	+12 709	2+62	731	10:21 +34 765
1+50	683	8:42	+13 696	2+50	701	10:22 +34 735
1+62	719	8:44	+13 732	2+25	789	10:23 +34 823
1+75	57818	8:46	+13 = 57,831	2+00	780	10:26 +35 815
1+87	58,059	8:48	+14 = 58,073	1+87	848	10:27 +35 883
1+94	57,955	8:52	+15 = 57,970	1+81	57,893	10:28 +35 = 57,928
2+00	927	8:56	+16 943	1+75	58,164	10:29 +35 = 58,199
2+06	842	8:58	+16 858	1+69	57,953	10:30 +36 = 57,989
2+12	57,603	9:00	+16 = 57619	1+62	686	10:31 +36 722
2+18	58,022	9:02	+17 = 58,039	1+57	631	10:32 +36 667
2+25	57,766	9:03	+17 = 57,783	1+50	628	10:33 +36 664
2+37	884	9:07	+18 902	1+25	551	10:34 +36 587
2+50	949	9:09	+18 967	1+00	562	10:36 +37 599
2+57	609	9:16	+20 629	0+75	541	10:37 +37 578
2+63	57,949962	9:17	+20 = 57,962	0+50	531	10:38 +37 568
2+69	58,609376	9:18	+20 = 58,396	0+25	552	10:40 +38 590
2+75	57,397	9:20	+21 = 57,418	BASELINE 2+00NW	57,323γ	10:44A.M. +38γ = 57,361γ
2+81	660	9:21	+21 681			
2+87	678	9:23	+21 699			
3+00	806	9:24	+21 827			
3+12	790	9:26	+22 812			
3+25	724	9:28	+22 746			
3+50	769	9:31	+23 792			
3+75	730	9:33	+23 753			
4+00	712	9:41	+25 737			
4+12	841	9:43	+26 867			
4+25	805	9:44	+26 831			
4+50	807	9:45	+26 833			

GEWARGIS GEOLOGICAL CONSULTING INC.

PROJECT — MAGNETOMETER SURVEY — 31/OCT, 1986

Line	Mag Rdg Gamma	Time	Corrected Reading		Line	Mag Rdg Gamma	Corrected Reading
BASELINE 0+00 NW	57,456γ	8:42 AM	+19 = 57,475γ		BASELINE 0+00 NW	57,463γ	10:08 A.M. + 12γ = 57,475γ
2+00 NW / 3+00 SW	456	8:59	+18	474			
2+75	417	9:01	+18	435			
2+50	415	9:03	+18	433			
2+25	400	9:06	+17	417			
2+00	391	9:08	+17	408			
1+75	452	9:09	+17	469			
1+50	365	9:11	+17	382			
1+25	389	9:13	+17	406			
1+19	530	9:14	+17	547			
1+12	520	9:15	+16	536			
1+06	493	9:16	+16	509			
1+00	486	9:17	+16	502			
0+87	426	9:18	+16	442			
0+75	437	9:19	+16	453			
0+50	433	9:20	+16	449			
0+25	421	9:22	+16	437			
4+00 NW / 0+25 SW	542	9:29	+15	557			
0+50	511	9:32	+15	526			
0+62	543	9:34	+15	558			
0+68	452	9:35	+15	467			
0+75	420	9:36	+14	434			
0+87	475	9:38	+14	489			
1+00	476	9:39	+14	490			
1+12	559	9:41	+14	573			
1+25	524	9:46	+14	~~439~~ 538			
1+37	443	9:48	+13	456			
1+50	406	9:49	+13	419			
1+75	390	9:54	+13	403			
2+00	855	9:56	+13	868			
2+25	632	9:58	+12	644			
2+50	531	9:59	+12	543			
2+75	547	~~9~~ 10:00	+12	559			
2+87	504	10:02	+12	516			
3+00	456	10:04	+12	568			

APPENDIX "D"

INSTRUMENT MANUAL

VLF SURVEY PROCEDURE

The instrument was operated as follows:

1) With the instrument held horizontal in front of the operator, turn around until a null appears on the field strength meter. You should now be facing the station.

2) With the receiving still facing the station, lift it to the vertical position and rotate it slightly in the vertical plane to your right or left until the best null appears on the field strength meter. Record the angle on the inclinometer at which the null appears, this is the DIP ANGLE (Positive or Negative).

3) Return the instrument to the horizontal plane and turn around until the field strength meter is at its maximum reading. Set this maximum reading at 100 on the meter and record the reading on the gain control dial. This is the Field Strength Reading.

4) Repeat Steps 1, 2 and 3 at each station.

5) To test the batteries turn the power switch on and push the test button. The Field Strength meter should read above the red mark. Battery life is approximately 200 hours, and if the instrument is turned off between readings, the batteries should last for an entire season.

NOTE: An alternative way of measuring Field Strength is as follows:

Proceed as in Step 3, setting the meter to 100. Now push the Field Strength button (marked FS) and the meter will read 50%. (If it doesn't, adjust the gain control slightly.) Leave the Gain Control setting where it is and take comparative Field Strength reading at each station by pressing the Field Strength button and reading the meter reading, which will vary from its Base Station Reading as you pass over conductive zones.

SCINTREX MP-2 Portable Proton Precession Magnetometer

Function

The MP-2 is a portable one gamma proton precession magnetometer for field survey or base station use. The optimized design of sensor and circuitry using the latest COS/MOS components has resulted in a very light weight, low power consumption, rugged and reliable magnetometer.

Light emitting diodes coupled with an ingenious optically polarized reflector combine solid state reliability with easy reading even in bright sunlight.

Coupled with a module into which the MP-2 is easily inserted, the magnetometer can be used as a base station unit for analogue or digital recording. Full details of the MBS-2 Magnetic Base Station are available on another Scintrex specification sheet.

The noise-cancelling dual-coil sensor and electronics have been so designed as to effectively eliminate reading problems due to virtually all magnetic gradients which may be encountered in field survey conditions.

Features

1 gamma sensitivity and accuracy over range of 20,000 to 100,000 gammas.

Operates in very high gradients, to 5000 gammas per meter.

Ultra small size and weight.

Up to 25,000 readings from only 8 D cells.

Battery pack isolated from electronics for corrosion protection.

Battery pack easily extended for winter use.

Light emitting diode digital display, with complete test feature

Unique no-glare polarized reflector permits easy reading in bright sunlight.

Indicator light warning of excessive gradient, ambient noise or electronic failure.

Digital readout of battery voltage.

Rugged all metal housing for rough field use at all temperatures.

Automatic recycling or external trigger features permit ready conversion to base station use.

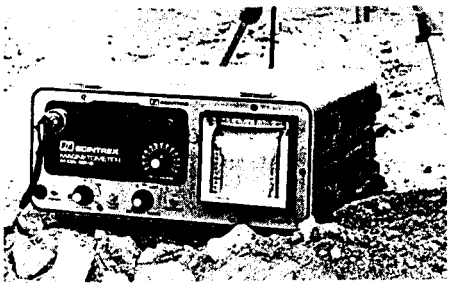
Short reading time.

Broad operating temperature range.

MP-2 console.

MP-2 in operation with Staff Sensor.

Technical Description of the MP-2 Portable Proton Precession Magnetometer



MBS-2 Magnetic Base Station.

MP-2 in operation with Back Pack Sensor.

Resolution	1 Gamma
Total Field Accuracy	±1 Gamma over full operating range
Range	20,000 to 100,000 gammas in 25 overlapping steps
Internal Measuring Program	Reading appears 1.5 seconds after depressing Operate Switch, stays on for 2.2 seconds, for a total of 3.7 seconds per single reading.
External Trigger	External trigger input permits use of sampling intervals longer than 1.5 seconds
Readout	5 digit LED (Light Emitting Diode) readout displaying total magnetic field in gammas or normalized battery voltage
Digital Output	Multiplied precession frequency and gate times
Base Station Mode	MP-2 console slips into a base station module which provides external triggering as well as digital and analogue outputs. The complete unit is called the MBS-2 Magnetic Base Station
Gradient Tolerance	Up to 5000 gammas/meter
Power Source	8 alkaline "D" cells provide up to 25,000 readings at 25°C under reasonable signal/ noise conditions (less at lower temperatures). Premium carbon-zinc cells provide about 40% of this number
Sensor	Omnidirectional, shielded, noise-cancelling dual coil, optimized for high gradient tolerance
Harness	Complete for operation with staff or back pack sensor
Operating Temperature Range	−35°C to +60°C
Size	Console, with batteries: 80 x 160 x 250mm Sensor: 80 x 150mm Staff: 30 x 1550mm (extended) 30 x 600 mm. (collapsed)
Weights	Console, with batteries: 1.8 kg Sensor: 1.3 kg Staff: 0.6 kg
Standard Accessories	Sensor, Staff, Cable, Harness, Carrying Case, Manual
Shipping Weight	Approximately 9.5 kg
Optional Accessory	Cold weather battery pack.

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Instrumentation and Services

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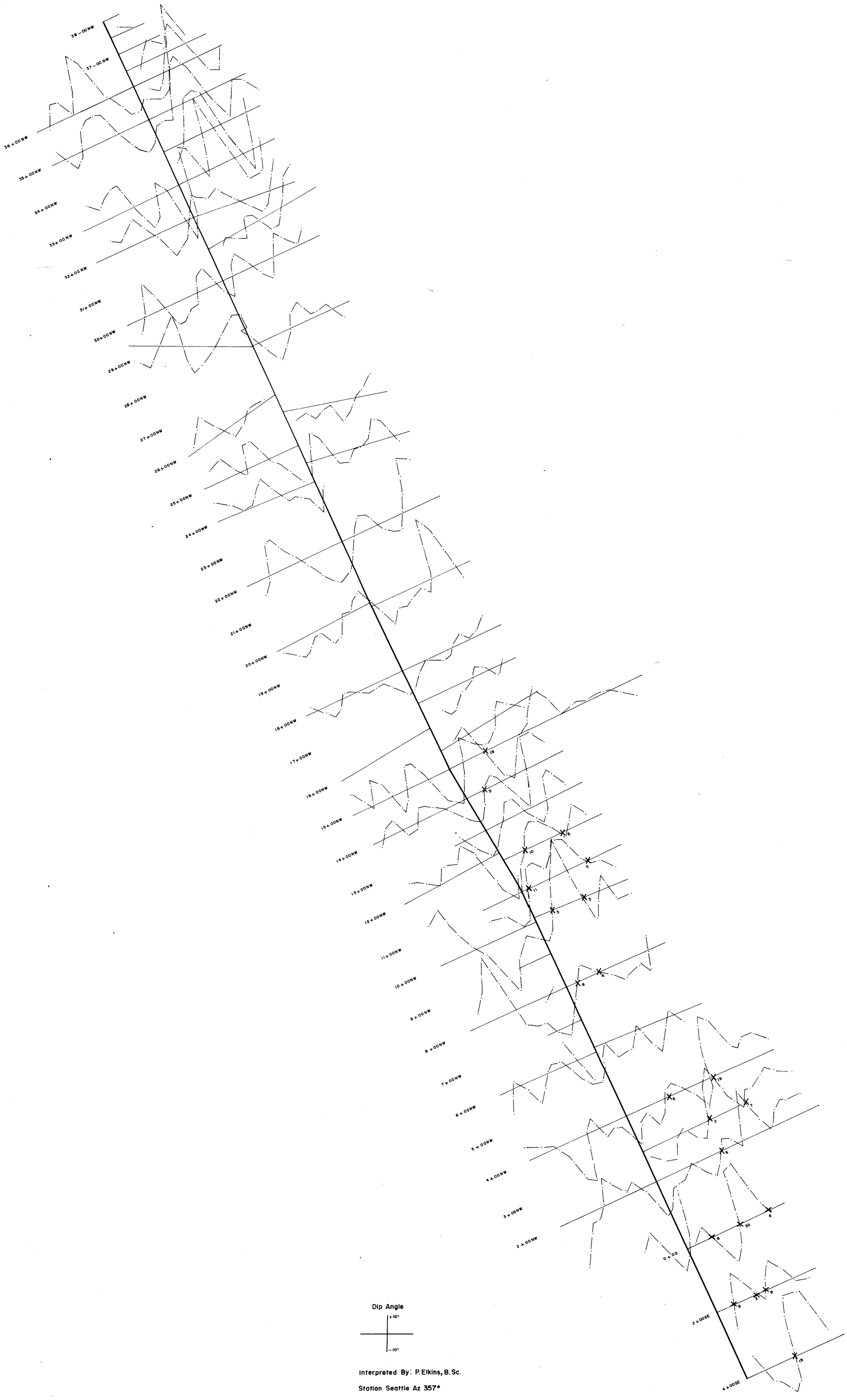
Tel. (604) 946-4312



Dip Angle

+10°

−10°

Interpreted By: P. Elkins, B.Sc.

Station Seattle Az 357°

TO ACCOMPANY A REPORT BY:
WILSON GEWARGIS, B.Sc., F.G.A.C.
GEWARGIS GEOLOGICAL CONSULTING INC.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

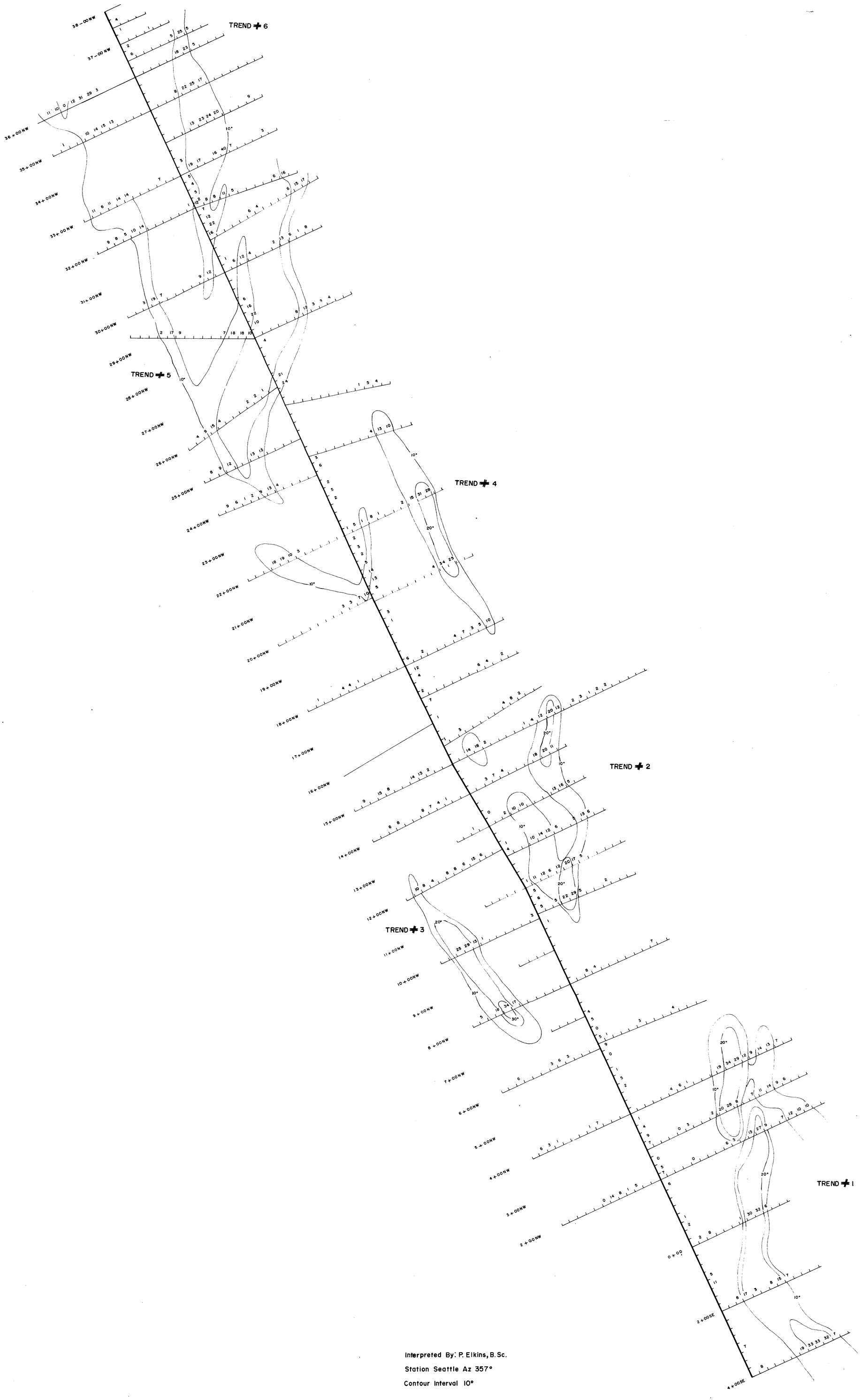
16,362

CRAVEN RESOURCES INC.

CEDAR CLAIM GROUP
KAMLOOPS MINING DIVISION, B.C.
N.T.S. 92 P/8

VLF FRASER FILTER PROFILE MAP

SCALE: 1:5000	FIG: 5
DRAWN BY: D.G.	DATE: JAN. 1987



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Interpreted By: P. Elkins, B.Sc.

Station Seattle Az 357°

Contour Interval 10°

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16,362

CRAVEN RESOURCES INC.

CEDAR CLAIM GROUP

KAMLOOPS MINING DIVISION, B.C.

N.T.S. 92 P/8

VLF FRASER FILTER CONTOUR MAP

SCALE: 1:5000	FIG: 6
DRAWN BY: D.G.	DATE: JAN. 1987

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N

Vertical Scale 1 Cm = 100 ϒ

Interpreted By: G. Benmore

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CEDAR CLAIM GROUP

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MAGNETIC PROFILE MAP

SCALE: 1:5000	FIG: 7
DRAWN BY: D.G.	DATE: JAN. 1987

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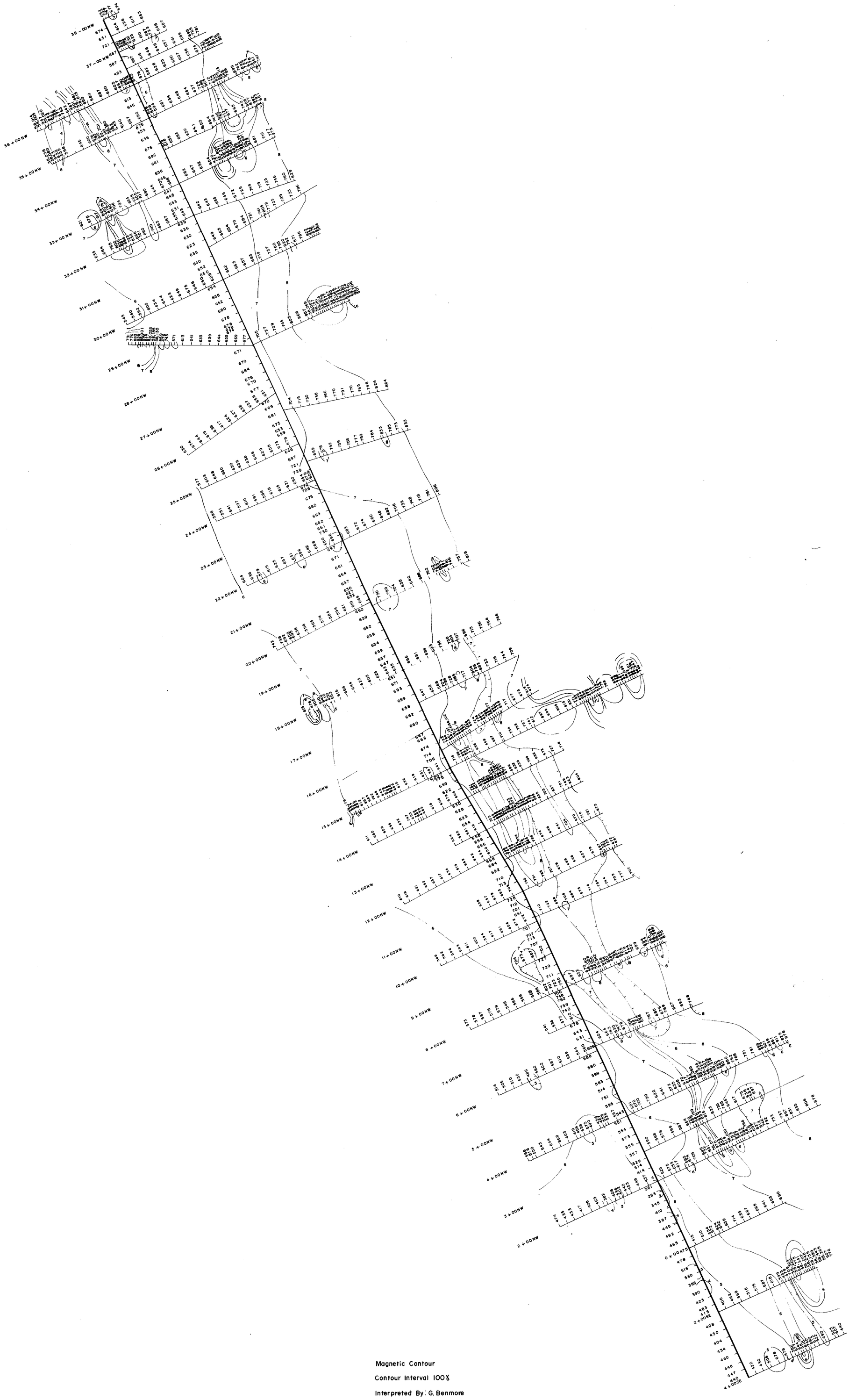

Magnetic Contour

Contour Interval 100γ

Interpreted By: G. Benmore

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ASSESSMENT REPORT

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MAGNETIC CONTOUR MAP

SCALE: 1:5000	FIG: 8
DRAWN BY: D.G.	DATE: JAN. 1987

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