VANCOUVER, B.C.

Report on a Magnetometer and VLF Geophysical Survey

ERIN PROPERTY

ERIN 5 -9 CLAIMS

FORT STEELE MINING DIVISION

CRANBROOK AREA

N.T.S. 82G/4W, 4E & 5W

LAT: 49015'N

LONG: 115045'W

OWNER

L.G. STEPHENSON

1419 133A St Surrey, British Columbia V4A 6A2

Work Performed from May 15, 1998 through September 30, 1998

Report By: L. Stephenson Submitted: January, 1999

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT



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Report on a Geochemical Orientation Survey and Geological Prospecting Program

ERIN 5 -9 CLAIMS

FORT STEELE MINING DIVISION

L. Stephenson

January, 1999

1.00 Introduction

Mr. L. Stephenson staked the five Erin Claims in 1992 and under took to evaluate and locate the projected trend of the "Pipeline Showing" on the adjacent claims to the east. As well the St. Eugene Mine trend is projected to cross the property.

The region has been an active area for base metals mineral development for over 100 years mainly due to the discovery of the St. Eugene Mine located six miles west of the property in the late 1890's. This mine produced over \$20 million of lead, zinc and silver. The Pipeline showing located on the adjacent claims was discovered in the 1970's. Exploration work on related to it has covered some of the area of the Erin Claims. In the late 1980's Kokanee Explorations staked claims that covered the area of the Erin Claims. They conducted reconaissance geochemical and geological mapping that probably took in some of the Erin Claims area.

A Magnetometer and VLF geophysical survey was undertaken to establish and evaluate the trend of the "Pipeline Showing."

2.00 Location, Access and Description

The Erin Claims are located east southeast of the town of Moyie, British Columbia. Access is provided to the claims via the natural gas pipeline/B.C. Tel maintenance road.

The property consists of 5 claims staked by Mr. L. Stephenson, in 1992. They are listed in Table 1.

TABLE 1

Claim Name	Tag Number	Mineral Tenure #	Date Staked
Erin 5	647979M	314409	10/18/92
Erin 6	647980M	314410	10/18/92
Erin 7	650575M	314411	10/18/92
Erin 8	650576M	314412	10/18/92
Erin 9	650577M	314413	10/18/92

3.00 <u>Geophysical Surveying</u>

A total of 10 kilometres of pace and compass lines of geophysical stations were established across the claims. A total of 220 magnetometer and VLF station readings were taken using a GEM-19 total field proton precession Magnetometer and a Geonic VLF unit and are plotted on Figures 3 (Mag plotted with 49,000 nanoTeslas base) and 4 (VLF Field Strength) and profiles of each line are plotted on Figure 5a-i.

In the VLF surveying the Seattle Station (Jim Creek) was utilized as the strongest, most consistent annd best orientated to the survey grid. Some check readings on Cutler main were made.

The data is felt to be unreliable due to the presence of the pipeline. An electric current in the pipeline to reduce static charges and the metallic near surface make up of the pipeline almost atop of the east west striking zone outlined around the "Pipeline Showing" to the east overshadows any effect from the continuation of the zone on to the Erin Claims. No identifiable relationship between the results and the presence of a mineralized zone is possible using these instruments.

The magnetics and field strength follow the trend of the bedding but as this also approximates the trend of the pipeline the corelation is suspect.

More sophisticated geophysical methods that can filter out or see beneath the pipeline effect (such as I.P. and Deep EM surveying) could be useful in determining the extent of the mineralized zone.

4.00 <u>Conclusions</u>

The Erin Claims have the extention of the adjacent "Pipeline Showing" located in its boundaries. This showing is part of the projected trend associated with the St. Eugene Mine where it cuts the Creston rocks. A geophysical signature has not been established due to the presence of the Pipeline by utilizing VLF and Magnetometer surveying methods.

More sophisticated surveying methods are recommended to attempt to develop a geophysical trend and target exploration drilling effectively. $\ensuremath{\nearrow}$

Further exploration is required to further evaluate

LAURENCE STEPHEN, ON, B.Sc., M.B.A. P.Eng.

EXHIBIT "A"

STATEMENT OF EXPENDITURES

MAGNETOMETER AND VLF GEOPHYSICAL SURVEYING

ON ERIN 5 - 9 CLAIMS FORT STEELE M.D.

Covering the period of May 15th 1998 to January 6th, 1999 SALARIES:

L. Stephenson - Geologist, P. Eng. Surveying 4 days
Report writing
Compilation of data &

Map Preparation 3 Days Travelling - 4 days

11 days @ \$400/ day

\$4,400

TRANSPORTATION:

1 - 4x4 Pickup; 8 days @ \$65/day 520

\$

EQUIPMENT RENTAL: Exchanged for services (Value = 1 day) \$ 400

TOTAL=

TAURENCE STEPHENS

B.Sc., M.B.A.

P.Eng.

IN THE MATTER OF THE B.C. MINERAL ACT AND

IN THE MATTER OF A MAGNETOMETER AND VLF GEOPHYSICAL SURVEYING PROGRAM

CARRIED OUT ON THE ERIN PROPERTY
MOYIE AREA

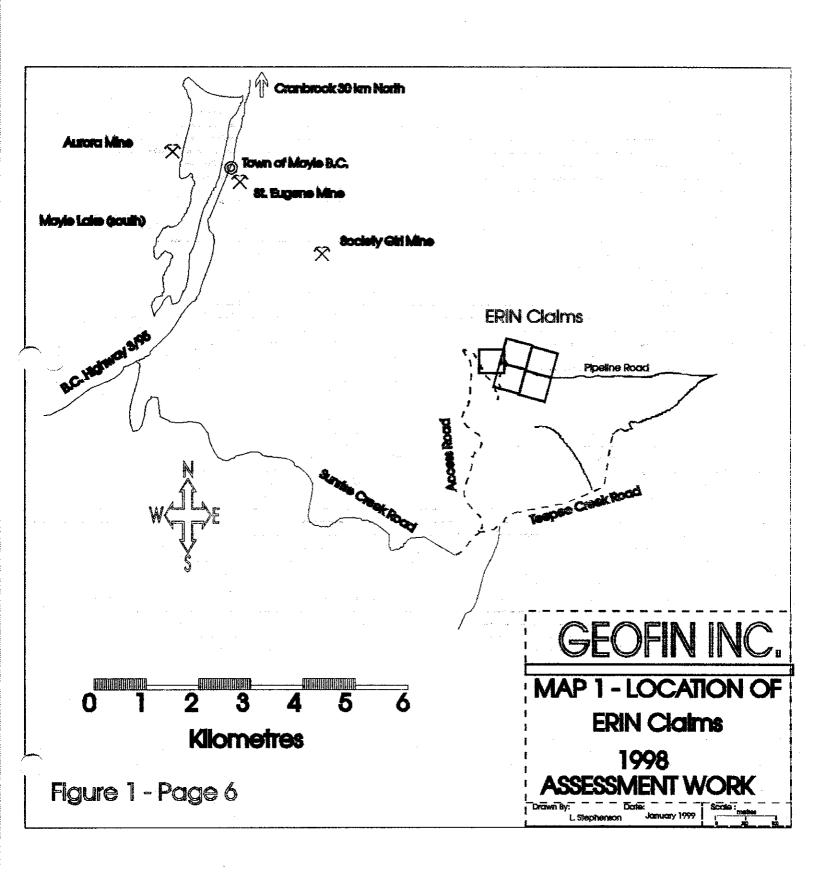
in the Fort Steele Mining Division of the province of British Columbia More Particularily N.T.S. 82G/5W, 4W & 4E

AFFIDAVIT

- I, L. Stephenson, of the City of Surrey, in the Province of British Columbia, make an oath and say:
- 1. That I am employed as a geologist by GeoFin Inc. and as such have a personal knowledge of the facts to which I hereinafter depose:
- 2. That annexed hereto and marked as Exhibit "A" to this my Affidavit is a true copy of expenditures incurred on a geochemical surveying and geological prospecting program, on the Erin mineral claims;
- 3. That the said expenditures were incurred between the 15th day of May, 1998 and the 8th day of January 1999 for the purpose of mineral exploration.

AURENCE STEPHENSON, B.Sc., M.B.A

P.Eng.



AUTHOR'S QUALIFICATIONS

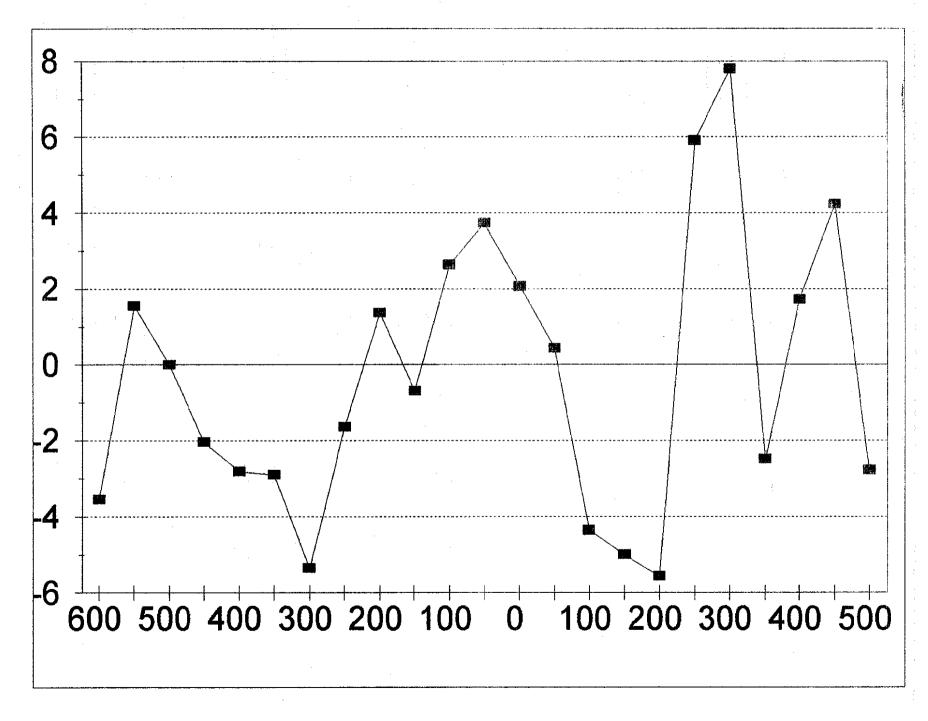
I, Laurence Stephenson, of the City of Surrey, in the Province of British Columbia, do hereby certify that:

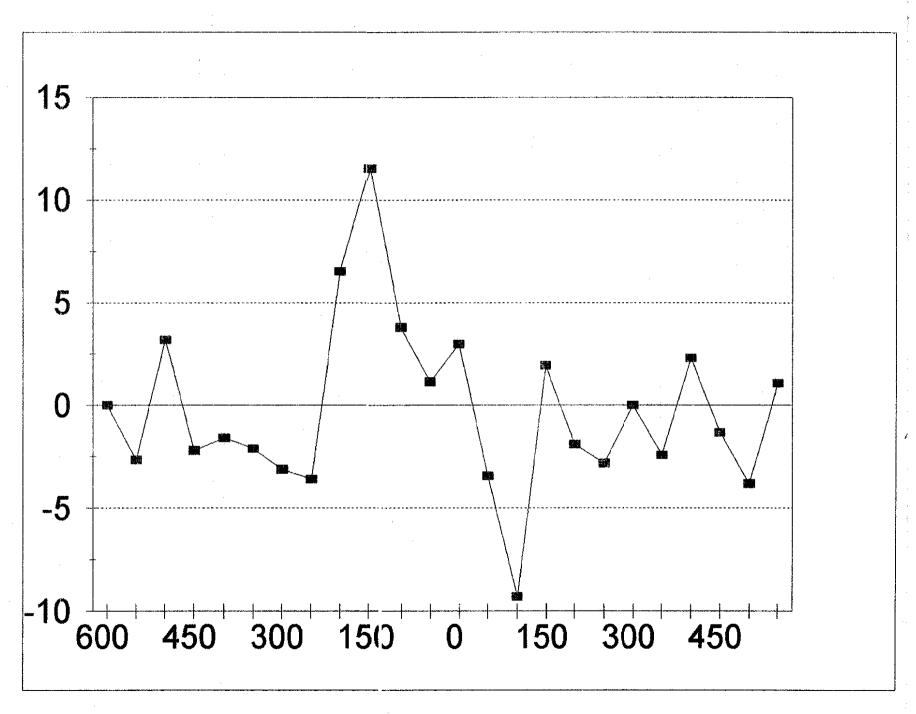
- 1. I graduated from Carleton University in 1975 with a Bachelor of Science degree in Geology then, in 1985, graduated from York University with a Masters of Business Administration;
- 2. I am registered as a Professional Engineer for the Province of Ontario (1981);

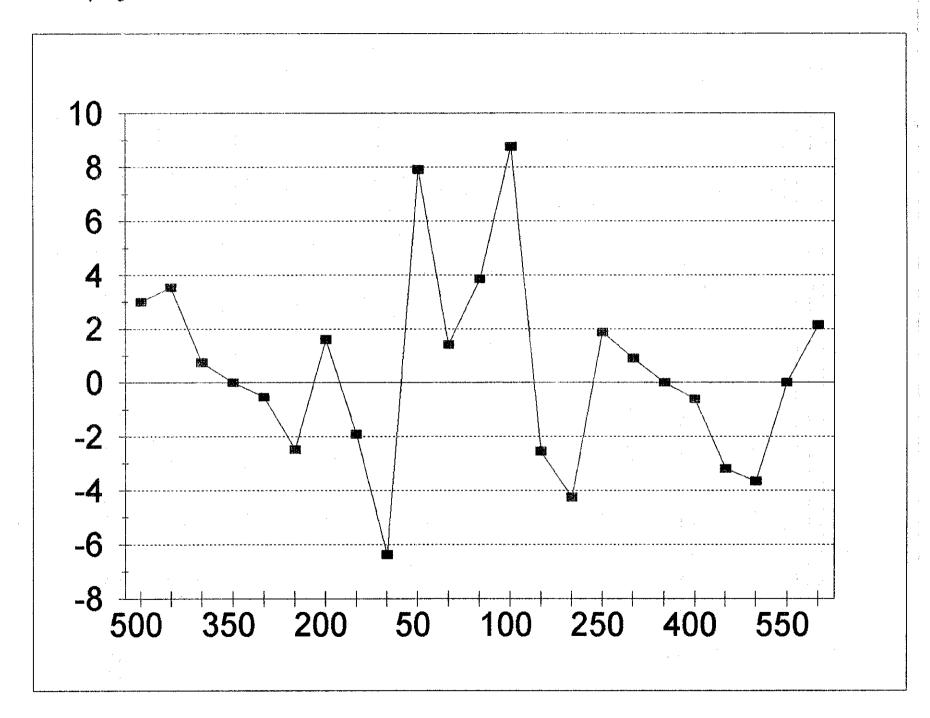
3. I have had over 30 years experience in the field of mining exploration.

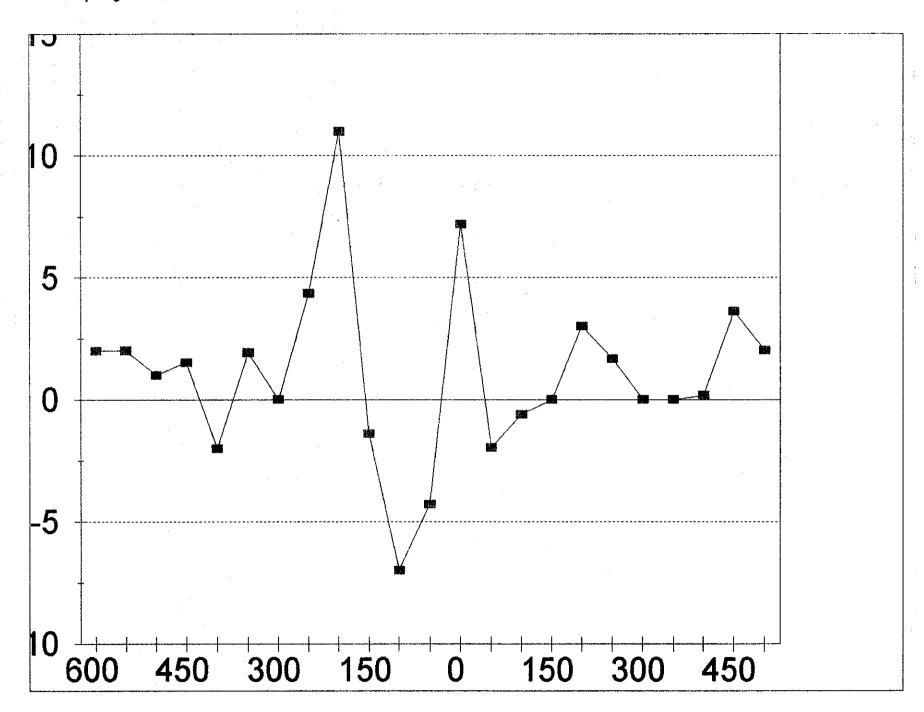
LAURENCE STEPHENSON, B.Sc., M.B.A.

P.Eng.

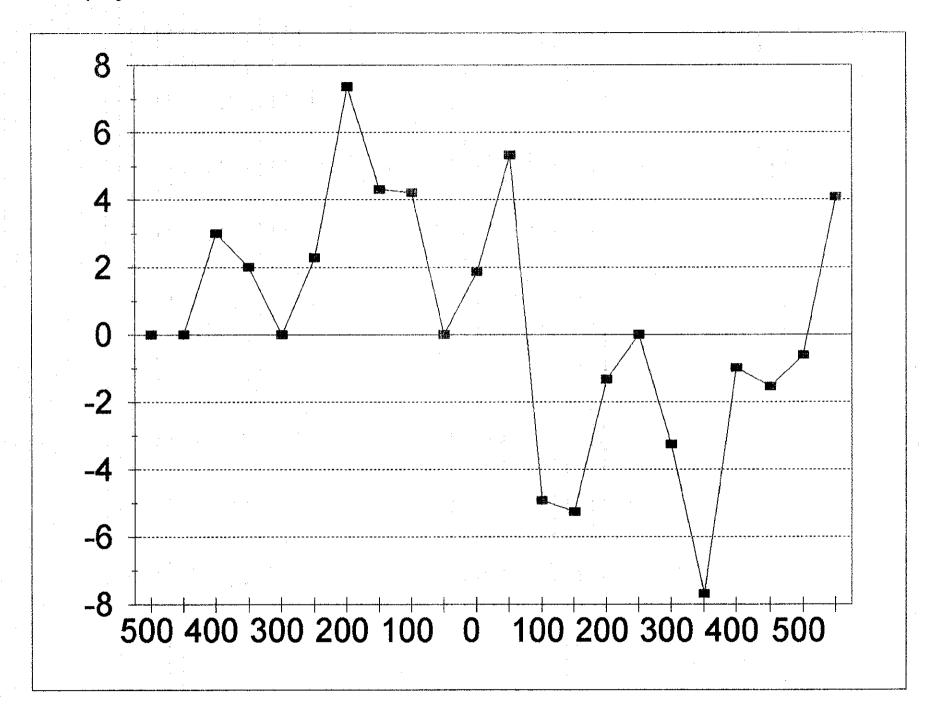


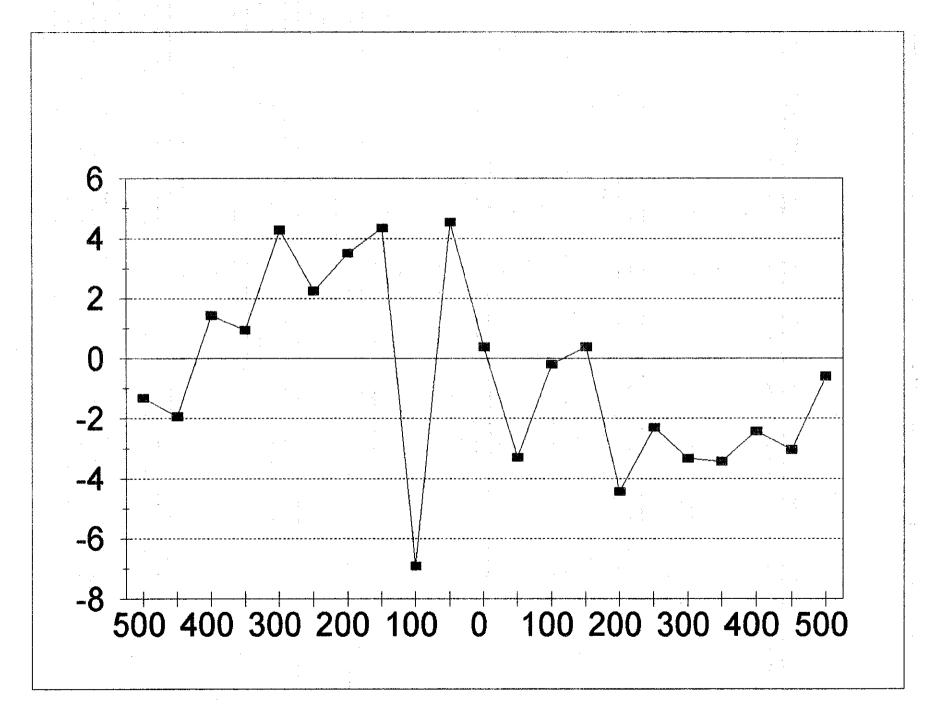


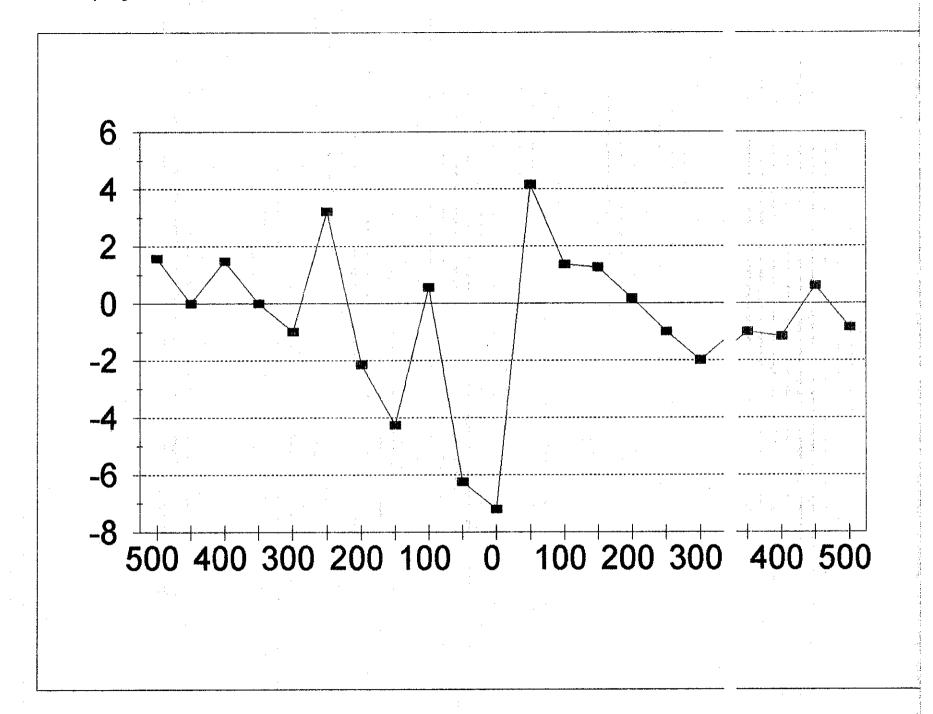


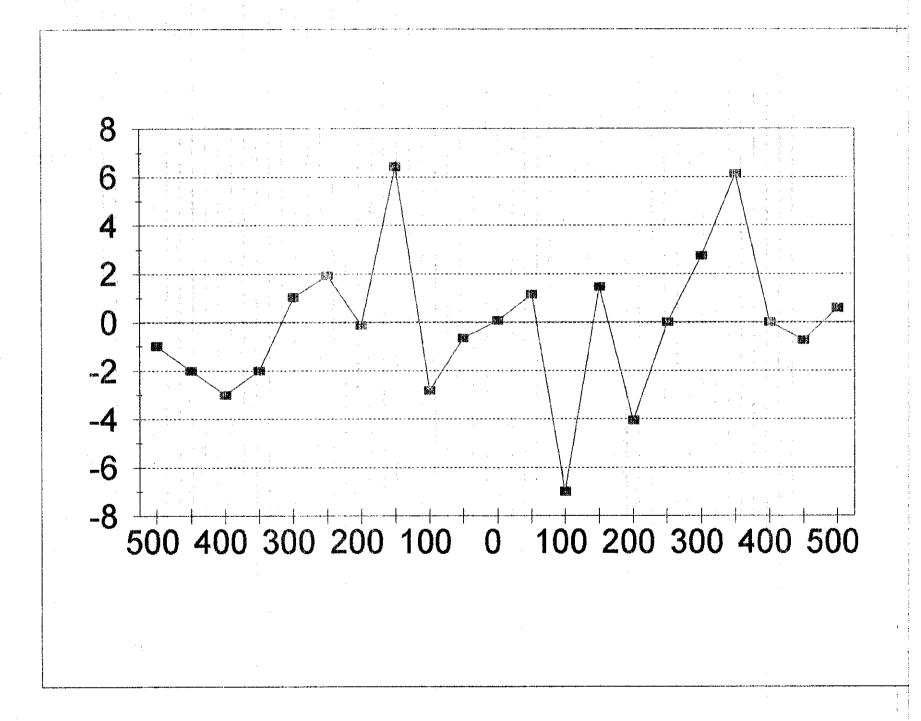


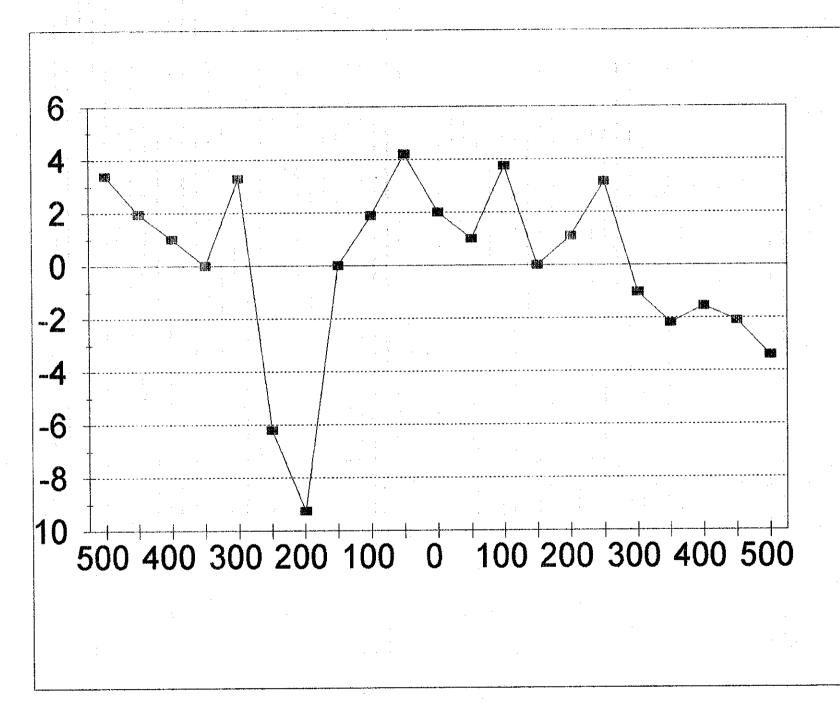
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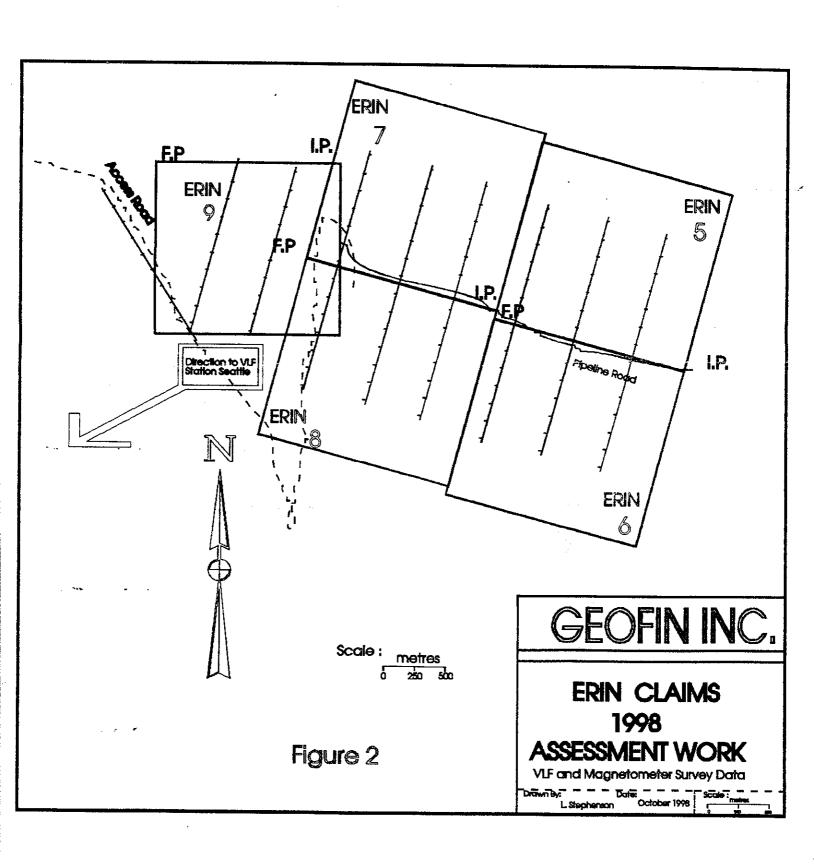












9W	8W	7W	6W	5W	4W	3W	2W	1W
600 N					90		100	100
550 N					100		110	90
500 N 110	110	90	140	90	90	100	100	90
450 N 100	140	100	130	100	100	120	80	80
400 N 90	110	110	120	130	110	80	120	100
350 N 100	100	100	130	120	120	80	130	110
300 N 110	130	110	110	100	100	100	120	100
250 N 100	130	100	100	90	110	90	130	120
200 N 100	110	90	90	100	120	90_	150	120
150 N 100	110	110	120	100	130	100	110	120
100 N 130	100	100	140	90	120	100	100	140
50 N 120	100	100	110	100	120	120	100	110
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200 S 90	100	100	100	90	100	130	140	110
250 S 90	110	110	110	100	100	130	140	80
300 s 80	110	100	100	100	100	100	100	100
350 S 80	100	100	90	120	100	100	100	110
400 S 100	110	110	100	150	110	80	110	110
450 s 110	100	110	100	140	100	100	100	100
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						'August 199	B I	'L.Stephenson

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890	1054	1121	970	115 6	998	897	990	86 5
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1001	827	912	1021	982	111B	933	957	1067
948	1105	1040	1135	890	931	1018	107 6	1130
926	986	1980	1027	75 6	967	947	1225	1118
1078	1041	971	1031	1189	832	929	991	980
1037	941	1138	1153	1157	1001	856	993	1122
1078	1038	786	944	1041	996	942	1157	1096
1031	1038	829	821	897	989	845	1174	1084
943	964	1131	1061	1006	1031	997	879	883
1011	1092	951	909	895	1001	1154	1087	930
764	999	1080	1047	909	879	1066	970	1117
825	923	1237	1213	1084	1004	950	1014	925
952	1133	938	105†	796	1088	932	969	857
1079	1047	950	1048	958	898	1136	1230	902
1066	840	1036	996	920	1022	955	933	1017
1097	1042	1116	917	1048	1008	1076	1084	1157
1056	1015	1041	1047	1037	976	1082	990	916
913	985	879	918	993	1102	928	937	1082
1006	1016	893	849	832	B74	951	1117	981
				812		973	1000	
			North			986	Figure 4	
			NOILII	m	erged with respect to east	Assessment Work on the ERIN Claims		
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