LOG NO: MAR 0 3 1992 RD.
ACTION:
FILE NO:

GEOCHEMICAL AND GEOPHYSICAL ASSESSMENT REPORTS

ON THE LUCKY AND TOQ GROUPS CLAIMS

Alberni M.D.

92F/3W

49 03'N 125 19'W

For Owner & Operator
Electrum Resources Corp.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,163

Vancouver, B.C.
February, 1992

S. Zastavnikovich,Geochemist
L. M. Bzdel, Geophysicist
E.R. Rockel, Geophysicist

TABLE OF CONTENTS

	Page
1. Introduction and Description	1
2. History	3
3. Geology	4
Regional Geology	4
Property Geology	4
4. Geochemistry	6
Rock Samples Geochemistry	6
Soil Samples Geochemistry	7
Stream Sediment Geochemistry	8
5. Conclusions	9
6. References	10
7. Statements of Expenditures	11
8. Statements of Qualifications	12

Figures: Fig. 1 Index Map after 1
Fig. 2 Claims Location Map after 1
Fig. 3 Geophysical Line & Geochemical Sample Location Map, Lucky Vein Area, scale 1:10,000 after 6
Fig. 4 Geophysical Grid & Geochemical Sample Location Map, Toq 3 Claim Area, scale 1:5,000 after 6

Appendix I. Rock Sample Notes
Appendix II. Analytical Procedures
Appendix III. Analytical Results

Appendix IV. Geophysical Surveys Report

GEOCHEMICAL & GEOPHYSICAL ASSESSMENT REPORT
ON THE LUCKY AND TOQ GROUPS CLAIMS
Lucky Property, West Vancouver Island, B.C.

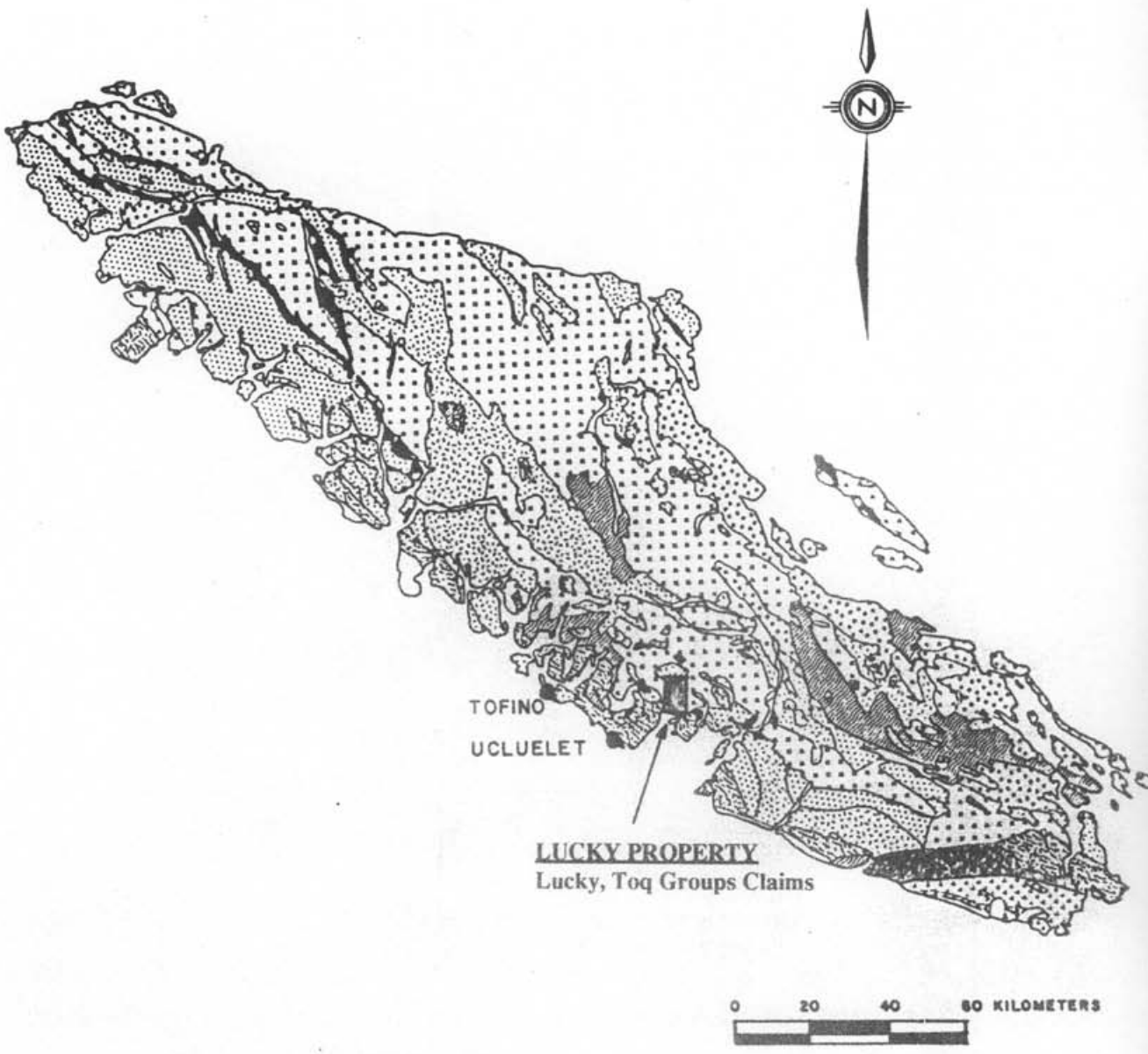
INTRODUCTION & DESCRIPTION

The Lucky gold property, consisting of several contiguous groups of claims, including the Lucky group totaling 86 units, and the Toq group totaling 70 units, is located in the Alberni M.D. just east of Toquart Lake and north of Toquart Bay on the west coast of Vancouver Island, some 20 km. northeast of Ucluelet, as shown on the Index and Claim Location maps, Figs. 1 & 2 overleaf. The claims are accessible from Hwy. 4 at Kennedy Lake to Toquart Bay, then for 15 km. by recently built logging roads, presently maintained by the Ministry of Forests, to the property. The topography is rugged, with elevations ranging from sea-level to 1247 m. at Lucky Mtn. Peak, in the center of the claims.

The Lucky property claims are centered on the 'Lucky ' gold-quartz vein located just west of Ellswick Lake in the Lucky Creek drainage, south of Lucky Mtn. Peak, Figs. 2 & 3. All the claims are presently owned by Electrum Resources Corp., who paid for the work described in this report. The present status of the claims on which work has been done, and/or assessment work based on this report has been recorded, is as follows:

Claim Name	Record No.	Units	Expiry
Lucky 81	200135	1	Jan. 28/93*
Lucky 82	200136	1	Jan. 28/93*
Lucky Fraction	200137	1	Feb. 15/93*
Lucky Fraction	200138	1	Feb. 15/93*
Wick	200537	12	May 29/93
KX	200174	9	Nov. 24/92*
KZ	200175	12	Nov. 24/92*
Toq 1	201243	18	Dec. 23/93*
Toq 2	201244	18	Dec. 23/93*
Toq 3	201245	20	Dec. 23/93*
Peak	201246	14	Dec. 23/93*

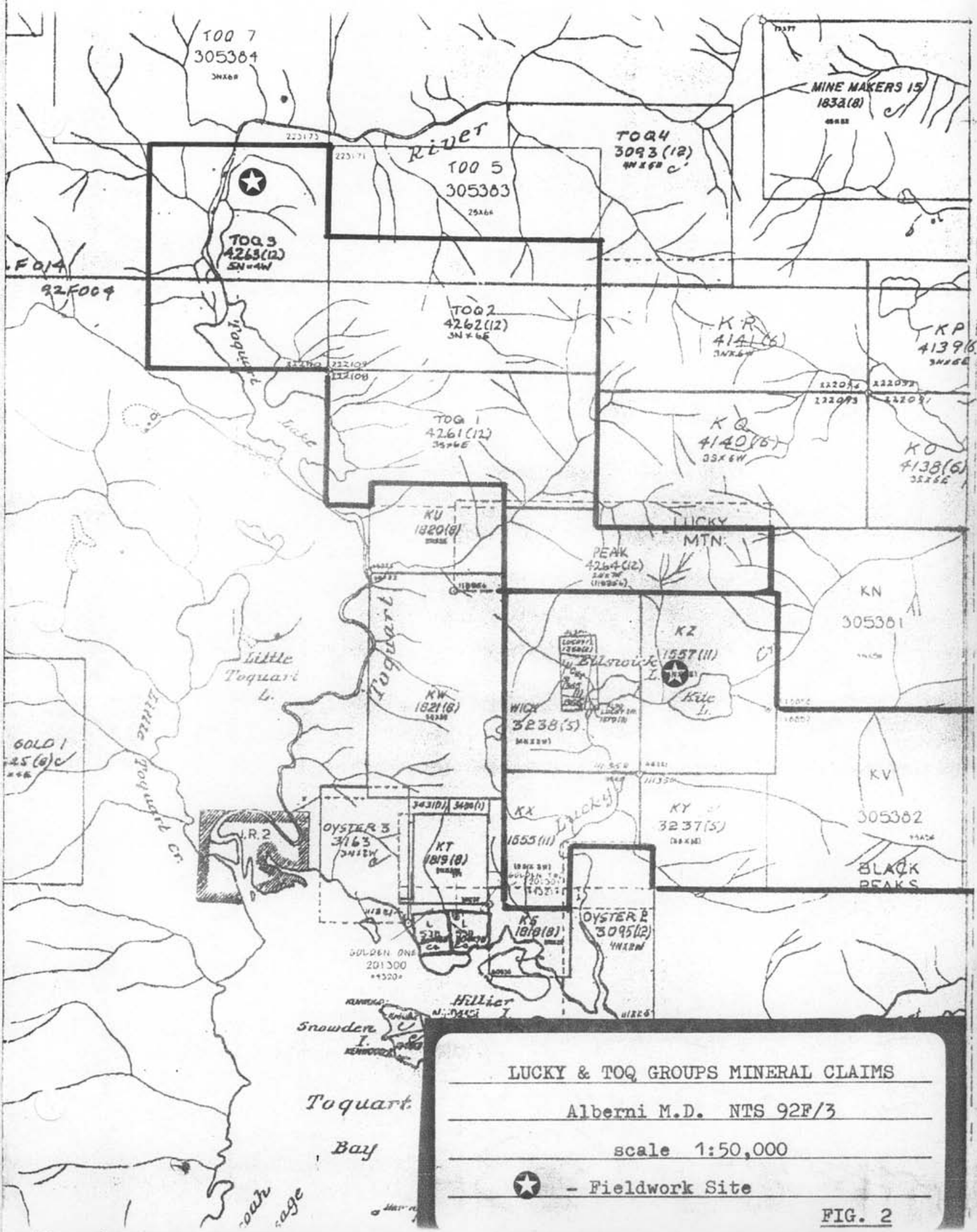
* Upon report approval



LEGEND

	TERTIARY SEDIMENTS	MIDDLE TERTIARY		BONANZA SUBGROUP	EARLY JURASSIC
	TERTIARY INTRUSIONS	EARLY TO MIDDLE TERTIARY		QUATSINO, PARSON BAY FORMATIONS	LATE TRIASSIC
	TERTIARY VOLCANICS	EARLY TERTIARY		KARMUTSEN FORMATION	TRIASSIC
	LATE MESOZOIC SEDIMENTS	LATE JURASSIC TO CRETACEOUS		SICKER GROUP	LATE PALEOZOIC
	LEECH RIVER SCHIST	JURA - CRETACEOUS?		METAMORPHIC COMPLEX	JURASSIC OR OLDER
	ISLAND INTRUSIONS	JURASSIC			

FIGURE 1 LOCATION
(GEOLOGY BY MULLER)



LUCKY & TOQ GROUPS MINERAL CLAIMS

Alberni M.D. NTS 92F/3

scale 1:50,000

- Fieldwork Site

FIG. 2

The main purpose of the field-work described in this report was to conduct geophysical I.P./resistivity surveys, as described in the Geophysical Report, Appendix IV, by L.M. Bzdel, in the area to the east of the Lucky gold-quartz vein on the Wick and the KZ claims, in order to search for overburden-concealed parallel veins, plus to evaluate with I.P./resistivity the strong VLF-EM conductor located earlier on the Toq 3 claim (see March 1990 Geochemical/Geophysical Assmt. Rep. by Zastavnikovich & Bzdel).

As described in the Geophysical Report, Appendix IV, during the last week of September, 1991, Interpretex Resources Ltd. conducted a 1900 m. long line geophysical I.P./resistivity survey east of the Lucky vein, as shown on the 1:10,000 scale location map, Fig. 3, with relatively negative results, consisting of one weak I.P. anomaly near the eastern end of the line. On the Toq 3 claim, a total distance of 1900 m. of I.P./resistivity surveys was conducted over four grid lines, as shown on 1:5,000 scale location map, Fig.4, which identified a relatively strong resistivity anomaly and an adjacent chargeability anomaly coincident with the VLF-EM conductor across all four lines, spaced 100 m. apart. Magnetic and electromagnetic (VLF-EM) readings were completed along all the I.P. survey lines, Appendix IV.

Geochemical orientation sampling, limited to follow-up of the I.P./resistivity anomalies, was conducted by the writer during the I.P. survey in September/October, and again briefly in January 1992, in order to help explain the nature of the geophysical anomalies. A dozen field-sieved stream sediment samples, and both A and B horizon orientation soil samples, were collected by the writer, while J.R. Wilson , geologist, helped with outcrop sample collection in the geophysical anomaly area, Fig. 4, and their description, Appendix I.

All the geochemical samples were analyzed for multi-trace elements by ICP on the regular -80 mesh fraction, while the stream sediments were in addition processed for non-magnetic heavy minerals (H.M.'s) and analyzed for gold in order to enhance it's detectability. As the analytical results in Appendix III and Fig. 4 indicate, the rock, soil and sediment samples collected in the area of the strong geophysical anomaly on the Toq 3 claim exhibit a subtle, but detectable, epithermal-type geochemical trace elements anomaly in both precious metals and several of the other trace elements, including Au, Ag, As, Ba, Cu, Mo, Ni, Pb, Zn, Cr, and Hg. In addition, some of the samples in all three mediums, rocks, soils and sediments are strongly siliceous, as indicated by their strongly negatively anomalous major

and minor trace elements, indicating presence of strong silicification within the sampled portions of the geophysical anomaly area.

The geochemical orientation sampling indicates that the geophysical anomaly area on Toq 3 claim should be sampled over it's whole extent, and the results co-ordinated with detailed geological mapping , in order to help identify possible precious metals enriched zones, or pulses of epithermal activity, that may be sub-cropping under the glacial overburden, particularly at structural intersections, in places where outcrops are absent.

HISTORY

The Lucky group claims were under option to Victoria Resources in 1983, who conducted regional silt sampling (Zastavnikovich , 1983, BCMEMPR A.R. 11545), and rock chip sampling on the Lucky gold-quartz vein, (see Eckles, 1984 company report), then under option to Falconbridge Ltd. in 1985, who conducted recce geochemical sampling, (Zastavnikovich & Chandler, 1985, BCMEMPR A.R. 14188), geological mapping, and diamond drilled 7 short holes on the Lucky vein totaling 332 m., (see Rebic & Lehtinen, 1985 company report). In 1988, Freemont Gold Corp. optioned the property and diamond drilled 20 additional holes on the Lucky vein, totaling 1112 meters. Both drill programs indicated that the gold-quartz vein pinches more than swells at depth, but has grades of up to 220 grams/tonne Au over 10cm. true width, (Wilson & Zastavnikovich, Feb. 1989 BCMEMPR Assmt. Rep.).

The Toq group claims contain no known mineralization, though a strong geophysical I.P./resistivity and VLF-EM anomaly has been located on the Toq 3 claim, as described here by L.M. Bzdel in the Geophysical Report, Appendix IV. No geological mapping has been conducted on the Toq 3 claim, though the dozen outcrop samples collected in the geophysical anomaly area are strongly pyritized and/or silicified, as described in Appendix I, and carry weakly anomalous epithermal-type trace element values, Fig. 4.

GEOLOGY

Regional Geology

Vancouver Island is a part of an allochthonous arc complex composed of two major groups of volcanic-sedimentary rocks of upper Paleozoic and lower Mesozoic age (Fig.1). At least two episodes of plutonism, in Mid to Late Jurassic and in Tertiary time, occured. The latest GSC 1:250,000 geology map of the island by J.E. Muller indicates the claims area is mainly underlain by the basic volcanic rocks of the Triassic Karmutsen Formation and the Jurassic Island Intrusions. The closest mapped Tertiary intrusives are located 10 km. west along Kennedy Lake and at Vernon Bay, 10 km. to the southeast. The fresher-looking granite and quartz-monzonite on Snowden and Hillier Islands in Toquart Bay, 5 km. southwest, may be of Tertiary age.

Property Geology

Of the two claim groups, the Lucky and the Toq, discussed in this report, only the former has been geologically mapped on a reconnaissance basis by Falconbridge geologists while under option in 1985. From the company report by Rebic & Lehtinen on the geology of the Lucky vein area (p.11-13):

The Lucky grid covers an area of 200 m. by 300 m. underlain by the Karmutsen metavolcanic rocks (figure 5). The rocks consist of massive mafic flows that are often porphyritic and/or amygdaloidal. Plagioclase and chlorite phenocrysts and epidote/quarts filled amygdules are abundant. Epidotized mafic fragments are common in some flows. Brecciated mafic flow rocks are common, especially in the area around the adits. The fragments usually have concentric rings of clays, epidote, chlorite and calcite (see thin section report in Appendix III). Larger domains of epidote and hematite rich porphyritic amygdaloidal rocks may be large blocks incorporated into the flow or possibly thin flows. Possible selvages of pillow were noted in one outcrop on the Lucky grid.

The flows were not subdivided because of limited surface exposure. They appear massive with no attitudes evident in outcrop. Only attitudes of contacts with intrusions and quartz/calcite veins were noted.

Dykes/sills of granodiorite, feldspar porphyry and quartz feldspar porphyry outcrop on the grid. These are usually up to 5 m. in width and are most common in the northwest part of the grid. One outcrop of diabase was noted on line 1+00N, 15 m. east of the base line.

GEOLOGY

Regional Geology

Vancouver Island is a part of an allochthonous arc complex composed of two major groups of volcanic-sedimentary rocks of upper Paleozoic and lower Mesozoic age (Fig.1). At least two episodes of plutonism, in Mid to Late Jurassic and in Tertiary time, occured. The latest GSC 1:250,000 geology map of the island by J.E. Muller indicates the claims area is mainly underlain by the basic volcanic rocks of the Triassic Karmutsen Formation and the Jurassic Island Intrusions. The closest mapped Tertiary intrusives are located 10 km. west along Kennedy Lake and at Vernon Bay, 10 km. to the southeast. The fresher-looking granite and quartz-monzonite on Snowden and Hillier Islands in Toquart Bay, 5 km. southwest, may be of Tertiary age.

Property Geology

Of the two claim groups, the Lucky and the Toq, discussed in this report, only the former has been geologically mapped on a reconnaissance basis by Falconbridge geologists while under option in 1985. From the company report by Rebic & Lehtinen on the geology of the Lucky vein area (p.11-13):

The Lucky grid covers an area of 200 m. by 300 m. underlain by the Karmutsen metavolcanic rocks (figure 5). The rocks consist of massive mafic flows that are often porphyritic and/or amygdaloidal. Plagioclase and chlorite phenocrysts and epidote/quarts filled amygdules are abundant. Epidotized mafic fragments are common in some flows. Brecciated mafic flow rocks are common, especially in the area around the adits. The fragments usually have concentric rings of clays, epidote, chlorite and calcite (see thin section report in Appendix III). Larger domains of epidote and hematite rich porphyritic amygdaloidal rocks may be large blocks incorporated into the flow or possibly thin flows. Possible selvages of pillow were noted in one outcrop on the Lucky grid.

The flows were not subdivided because of limited surface exposure. They appear massive with no attitudes evident in outcrop. Only attitudes of contacts with intrusions and quartz/calcite veins were noted.

Dykes/sills of granodiorite, feldspar porphyry and quartz feldspar porphyry outcrop on the grid. These are usually up to 5 m. in width and are most common in the northwest part of the grid. One outcrop of diabase was noted on line 1+00N, 15 m. east of the base line.

The Lucky vein is a fault-controlled gold-bearing structure. It generally strikes northerly and dips steeply to the east; towards the end of the upper adit, it becomes vertical to steep westerly dipping (figure 8). The vein pinches and swells along its strike length attaining a maximum width of one-third of a metre, although most often only a shear zone is noticeable. The Lucky vein is composed mostly of quartz, often drusy type, and locally calcite pods. Some small cross-cutting veinlets are composed of calcite only. The hanging wall and footwall consist of locally sheared brecciated mafic flows, fine grained flows, and one dyke/sill of quartz feldspar porphyry . The vein cuts all of these rocks indicating that it is the youngest event. Wall rock inclusions within the vein are common.

Shallow slickensides, dipping 9-15 degrees to the south, reflect the latest movement on the fault; some occur within the quartz vein with fault gouge indicating post-vein movement. Altered wall rock consists of clays, chlorite, epidote and locally calcite. Silcification also occurs locally. However, because chlorite and epidote are ubiquitous in the Karmutsen Formation a distinct alteration envelope is not apparent. There is a definite lack of sulphide mineralization. Where present, sulphides consist of up to two percent pyrite and traces of chalcopyrite. Pyrite occurs as disseminations in the wall rocks and as blebs within the vein. Some visible gold was noted in an old trench on the grid.

Other narrow veins, with attitudes similar to that of the Lucky vein, occur on the grid but do not carry noteworthy gold values. All of the veins on the grid occur in shear zones.

While the Toq 3 claim geology has not been mapped, recent logging road building along the bend in Toquart R. in the northern portion of the claim has exposed dykes/sills of quartz-diorite up to 5 m. wide in the core of the NW trending ridge of Karmutsen metavolcanics. The intrusives are medium grained, pale gray, and massive. They contain traces of disseminated pyrite and minor quartz or epidote veinlets.

The area of the geophysical I.P./resistivity & VLF-EM anomaly on the Toq 3 claim is underlain by a broadly pyritized zone along a NW trending, intensely silicified fault structure, interpreted by the writer to be epithermal-type alteration, based on presence of weaky anomalous epithermal trace elements geochemistry in orientation samples (Fig.4). The altered anomaly zone is flanked by an extensive zone of primary breccia in the Karmutsen metavolcanics, observed in the logging road cuts to the south.

The Lucky vein is a fault-controlled gold-bearing structure. It generally strikes northerly and dips steeply to the east; towards the end of the upper adit, it becomes vertical to steep westerly dipping (figure 8). The vein pinches and swells along its strike length attaining a maximum width of one-third of a metre, although most often only a shear zone is noticeable. The Lucky vein is composed mostly of quartz, often drusy type, and locally calcite pods. Some small cross-cutting veinlets are composed of calcite only. The hanging wall and footwall consist of locally sheared brecciated mafic flows, fine grained flows, and one dyke/sill of quartz feldspar porphyry . The vein cuts all of these rocks indicating that it is the youngest event. Wall rock inclusions within the vein are common.

Shallow slickensides, dipping 9-15 degrees to the south, reflect the latest movement on the fault; some occur within the quartz vein with fault gouge indicating post-vein movement. Altered wall rock consists of clays, chlorite, epidote and locally calcite. Silcification also occurs locally. However, because chlorite and epidote are ubiquitous in the Karmutsen Formation a distinct alteration envelope is not apparent. There is a definite lack of sulphide mineralization. Where present, sulphides consist of up to two percent pyrite and traces of chalcopyrite. Pyrite occurs as disseminations in the wall rocks and as blebs within the vein. Some visible gold was noted in an old trench on the grid.

Other narrow veins, with attitudes similar to that of the Lucky vein, occur on the grid but do not carry noteworthy gold values. All of the veins on the grid occur in shear zones.

While the Toq 3 claim geology has not been mapped, recent logging road building along the bend in Toquart R. in the northern portion of the claim has exposed dykes/sills of quartz-diorite up to 5 m. wide in the core of the NW trending ridge of Karmutsen metavolcanics. The intrusives are medium grained, pale gray, and massive. They contain traces of disseminated pyrite and minor quartz or epidote veinlets.

The area of the geophysical I.P./resistivity & VLF-EM anomaly on the Toq 3 claim is underlain by a broadly pyritized zone along a NW trending, intensely silicified fault structure, interpreted by the writer to be epithermal-type alteration, based on presence of weaky anomalous epithermal trace elements geochemistry in orientation samples (Fig.4). The altered anomaly zone is flanked by an extensive zone of primary breccia in the Karmutsen metavolcanics, observed in the logging road cuts to the south.

GEOCHEMISTRY

Geochemical orientation sampling, consisting of 22 outcrop samples, 12 A horizon and 30 B horizon soil samples, and 12 field-sieved stream sediment samples, were collected mainly over the geophysical anomaly on Toq 3 claim, and to a lesser extent over the weak I.P. anomaly at the eastern end of the geophysical line east of the Lucky vein on the KZ claim, Figs. 3 & 4.

The geochemical rock, soil and sediment samples were all analyzed at Min-En Laboratories for 30 trace elements by I.C.P., and variously for mercury ,total barium ,and fire-geochemical gold, on the regular -80 mesh fraction, while the sediments were analyzed for gold on the non-magnetic heavy minerals (H.M.s) fraction using standard geochemical methods described in Appendix II. The rock samples are described in Rock Sample Notes, Appendix I, while complete analytical results are enclosed in Appendix III, and presented on geochemical location maps, Figs. 3 and 4.

Rock Sample Geochemistry

Lucky Vein Area - Fig. 3

In the Lucky gold-quartz vein area, of the two outcrop samples collected over the weak I.P. anomaly near the eastern end of the single line L-100N(or L-1N), sample #RI-215, described in Appendix I as chloritic andesite with 5 cm. quartz veinlets, is strongly anomalous in boron, with 70 ppm B , plus 16 ppm Ni , and 171 ppm Cr , while similar nearby sample #RI-237, with visible chalcopyrite and quartz-carbonate veinlets, is strongly anomalous in copper, with 2144 ppm Cu , as expected. The anomalous boron value may be related to presence of boro-silicates such as tourmaline, probably associated with (possibly gold-bearing) quartz-carbonate veins or skarns.

Toq 3 Grid - Fig. 4

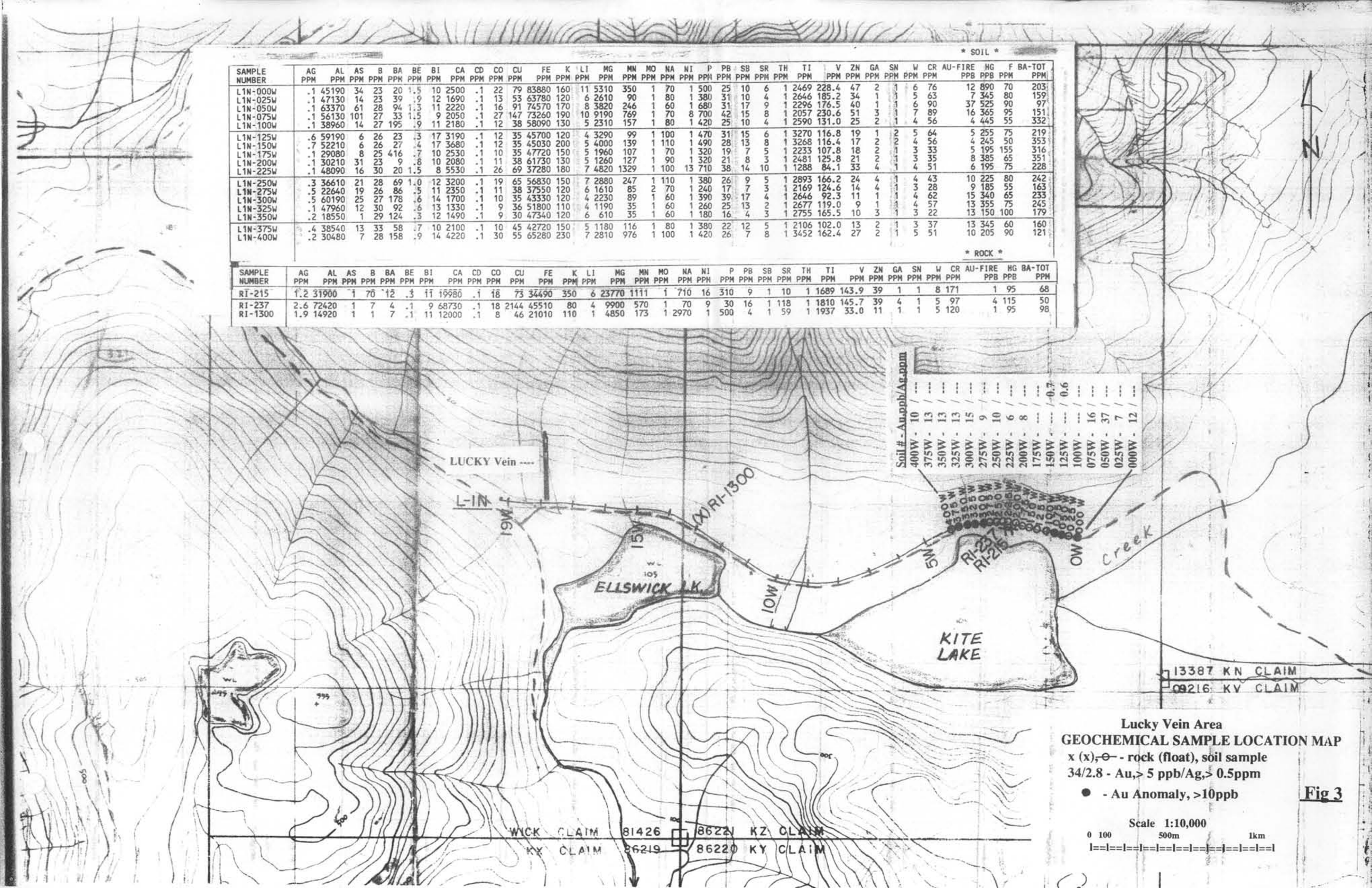
Most of the rocks collected by the writer and J. Wilson, geologist, as described in Appendix I, are from the pyritized and silicified outcrops on lines 7S and 8S in the geophysical anomaly zone on Toq 3 claim, Fig. 4. Only one sample, #L8S-475 registered detectable gold value of 10 ppb Au , accompanied by weakly anomalous 1.5 ppm Ag , 50 ppm Cu , and 7 ppm Mo . Other epithermal-type trace element indicators of possible precious metals mineralization in the unsampled portion of the geophysical anomaly are the weakly

* SOIL *

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB	F PPM	BA-TOT PPM
L1N-000W	.1	45190	34	23	20	1.5	10	2500	.1	22	79	83880	160	11	5310	350	1	70	1	500	25	10	6	1	2469	228.4	47	2	1	6	76	12	890	70	203
L1N-025W	.1	47130	14	23	39	.9	12	1690	.1	13	53	63780	120	6	2610	90	1	80	1	380	31	10	4	1	2646	185.2	34	1	1	5	63	7	345	80	159
L1N-050W	.1	63370	61	28	94	1.3	11	2220	.1	16	91	74570	170	8	3820	246	1	60	1	680	31	17	9	1	2296	176.5	40	1	1	6	90	37	525	90	97
L1N-075W	.1	56130	101	27	33	1.5	9	2050	.1	27	147	73260	190	10	9190	769	1	70	8	700	42	15	8	1	2057	230.6	51	3	1	7	89	16	365	95	151
L1N-100W	.1	38960	14	27	195	.9	11	2180	.1	12	38	58090	130	5	2310	157	1	80	1	420	25	10	4	1	2590	131.0	25	2	1	4	56	4	445	55	332
L1N-125W	.6	59190	6	26	23	.3	17	3190	.1	12	35	45700	120	4	3290	99	1	100	1	470	31	15	6	1	3270	116.8	19	1	2	5	64	5	255	75	219
L1N-150W	.7	52210	6	26	27	.4	17	3680	.1	12	35	45030	200	5	4000	139	1	110	1	490	28	13	8	1	3268	116.4	17	2	2	4	56	4	245	50	353
L1N-175W	.1	29080	8	25	416	.7	10	2530	.1	10	35	47720	150	5	1960	107	1	70	1	320	19	7	5	1	2233	107.8	18	2	1	3	33	5	195	155	316
L1N-200W	.1	30210	31	23	9	.8	10	2080	.1	11	38	61730	130	5	1260	127	1	90	1	320	21	8	3	1	2481	125.8	21	2	1	3	35	8	385	65	351
L1N-225W	.1	48090	16	30	20	1.5	8	5530	.1	26	69	37280	180	7	4820	1329	1	100	13	710	38	14	10	1	1288	84.1	33	4	1	4	51	6	195	75	228
L1N-250W	.3	36610	21	28	69	1.0	12	3200	.1	19	65	56830	150	7	2880	247	1	110	1	380	26	9	5	1	2893	166.2	24	4	1	4	43	10	225	80	242
L1N-275W	.5	22640	19	26	86	.5	11	2350	.1	11	38	37550	120	6	1610	85	2	70	1	240	17	7	3	1	2169	124.6	14	4	1	3	28	9	185	55	163
L1N-300W	.5	60190	25	27	178	.6	14	1700	.1	10	35	43330	120	4	2230	89	1	60	1	390	39	17	4	1	2646	92.3	11	1	1	4	62	15	340	65	233
L1N-325W	.1	47960	12	30	92	.6	13	1330	.1	9	36	51800	110	4	1190	35	1	60	1	260	25	13	2	1	2677	119.0	9	1	1	4	57	13	355	75	245
L1N-350W	.2	18550	1	29	124	.3	12	1490	.1	9	30	47340	120	6	610	35	1	60	1	180	16	4	3	1	2755	165.5	10	3	1	3	22	13	150	100	179
L1N-375W	.4	38540	13	33	58	.7	10	2100	.1	10	45	42720	150	5	1180	116	1	80	1	380	22	12	5	1	2106	102.0	13	2	1	3	37	13	345	60	160
L1N-400W	.2	30480	7	28	158	.9	14	4220	.1	30	55	65280	230	7	2810	976	1	100	1	420	26	7	8	1	3452	162.4	27	2	1	5	51	10	205	90	121

* ROCK *

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB	BA-TOT PPM
RI-215	1.2	31900	1	70	12	.3	11	19980	.1	18	73	34490	350	6	23770	1111	1	710	16	310	9	1	10	1	1689	143.9	39	1	1	8	171	1	95	68
RI-237	2.6	72420	1	7	4	.1	9	68730	.1	18	2144	45510	80	4	9900	570	1	70	9	30	16	1	118	1	1810	145.7	39	4	1	5	97	4	115	50
RI-1300	1.9	14920	1	1	7	.1	11	12000	.1	8	46	21010	110	1	4850	173	1	2970	1	500	4	1	59	1	1937	33.0	11	1	1	5	120	1	95	98



Lucky Vein Area

GEOCHEMICAL SAMPLE LOCATION MAP

x (x), -o- - rock (float), soil sample

34/2.8 - Au,> 5 ppb/Ag,> 0.5ppm

● - Au Anomaly, >10ppb

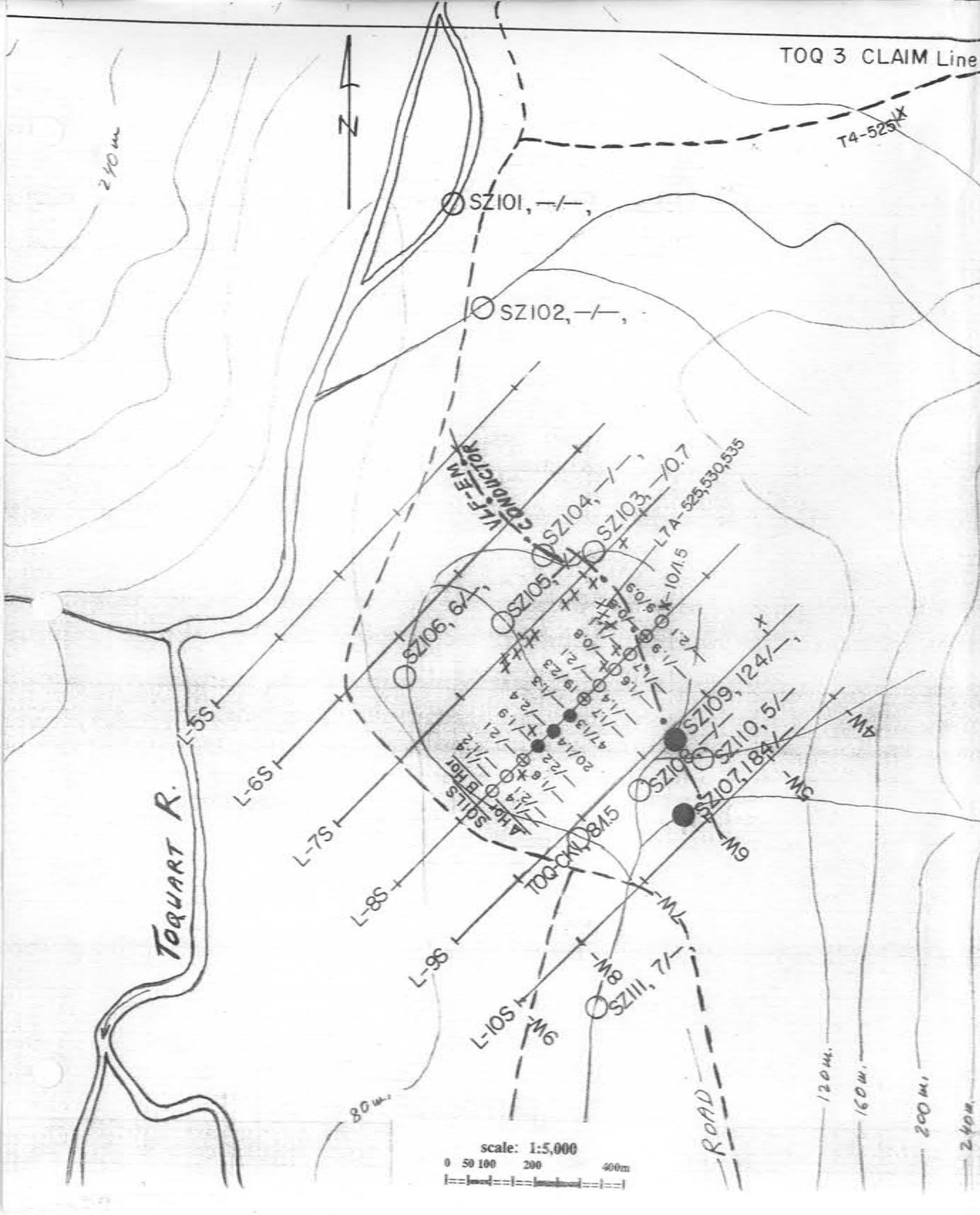
Fig 3

Scale 1:10,000

0 100 500m 1km

Toq 3 Claim
GEOCHEMICAL SAMPLE LOCATION MAP
x , ϕ, ⊙ - rock, soil, sediment sample
34/2.8 - Au,> 5 ppb/Ag,> 0.5ppm
● - Au Anomaly, >10ppb

Fig 4



* ROCK *

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB	BA-TOT PPM
L7S-450	1.5	27750	20	9	140	-.1	19	12930	-.1	18	7	20	45860	410	5	17020	1020	1	1960	1	780	45	1	44	1	3220	113.0	78	1	1	6	106	2	120	232
L7S-500	1.1	18080	1	6	137	-.1	11	3800	-.1	7	15	25	44380	5980	6	14590	620	1	1480	4	720	22	1	29	1	1851	57.4	52	1	1	5	110	1	205	551
L7S-530	.5	41710	1	5	747	-.1	11	3080	-.1	15	13	15	46380	9800	5	15070	983	1	630	2	790	26	1	10	1	850	110.1	56	1	1	4	53	1	205	2970
L7S-540	1.4	7270	1	1	188	-.1	3	560	-.1	13	17	23	49140	8000	6	17440	927	1	770	2	790	29	1	9	1	198	13.3	12	1	1	7	80	1	240	708
L7S-595	1.4	40910	1	4	237	-.1	19	9430	-.1	17	17	20	55140	8000	6	17440	927	1	770	2	790	29	1	16	1	3141	96.1	91	1	1	4	80	2	140	1100
L7S-600	.9	36440	1	4	193	-.1	12	8080	-.1	20	40	50	54070	6650	6	15140	826	1	1380	1	830	22	1	22	1	1809	76.4	80	1	1	5	102	2	155	757
L7S-625	.6	32430	1	2	184	-.1	7	7900	-.1	15	25	37	44380	5980	4	14590	620	1	1730	4	710	20	1	29	1	689	67.6	58	1	1	5	115	1	175	915
L7S-630	1.0	52460	1	2	101	-.3	16	19970	-.1	20	57	79	50760	2290	7	22980	1313	1	4820	3	690	18	1	80	1	2417	114.4	101	1	1	6	127	1	225	771
L7S-640	.5	58310	1	3	144	-.6	15	18900	-.1	23	54	76	58230	4440	9	29690	1298	1	4610	20	710	19	1	87	1	1988	128.0	112	1	1	6	142	1	280	287
L8S-675	1.5	28470	1	3	59	-.1	17	16310	-.1	22	50	70	49910	1500	3	16070	782	1	1670	2	850	12	1	61	1	3150	105.5	83	1	1	4	89	3	280	434
L8S-540	.2	32720	1	1	250	-.1	6	9410	-.1	23	37	50	50810	3230	4	13210	663	1	1290	2	970	10	1	20	1	924	103.8	61	1	1	3	63	2	155	757
L8S-560	1.0	26190	1	1	116	-.2	3	5560	-.1	25	79	114	51380	3450	4	12900	681	1	1270	4	820	21	1	21	1	428	65.4	45	1	1	3	83	1	135	640
L8S-670	1.0	28320	1	3	355	.1	17	9370	-.1	16	29	42	46740	6670	3	22210	990	1	1080	3	840	20	1	15	1	2876	86.7	56	1	1	4	89	2	295	1180
L8S-710	.5	35310	1	1	69	-.2	11	10760	-.1	23	34	50	50690	3440	7	16330	776	2	1100	3	720	13	1	32	1	1302	86.6	86	1	1	5	115	2	165	420
L8S-400	.7	28210	1	1	102	-.1	11	8130	-.1	17	34	51	48850	1980	4	16330	776	1	1220	1	1180	1	1	24	1	2057	86.4	81	1	1	6	135	1	175	567
T4-525	2.0	19620	1	1	62	-.1	20	13620	-.1	17	47	67	45080	1940	1	10710	806	1	1850	1	870	1	1	30	1	3754	76.2	85	1	1	4	90	1	115	930
L7A-525	.7	3730	1	1	72	-.1	2	2	470	-.1	17	17	50020	910	3	1620	14	1	450	1	1030	1	1	3	1	167	10.3	8	1	1	5	118	2	385	359
L7A-530	.4	8710	1	1	345	-.1	3	350	-.1	3	21	29	40490	2800	1	17440	927	1	1080	1	500	15	1	13	1	157	21.8	8	1	1	4	49	1	415	1320
L7A-535	.1	36680	1	1	223	.4	6	2670	-.1	16	61	52	52980	2700	6	24500	1961	1	580	3	860	18	1	19	1	188	78.6	75	1	1	2	41	3	225	1670

* SOIL *

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB	BA-TOT PPM
L-8 475N A	2.1	13140	19	9	26	-.1	10	5920	-.1	5	7	9530	430	1	860	88	6	1060	88	190	23	1	22	1	1659	61.9	18	2	2	2	3	2	185	238
L-8 500N A	1.9	4380	19	6	10	-.1	3	500	-.1	1	8	2760	160	1	160	6	1	1330	1	540	19	1	3	1	114	3.6	21	1	1	1	2	2	95	200
L-8 525N A	1.7	1000	1	4	24	-.1	3	3070	-.1	2	8	12340	230	1	570	30	1	960	1	320	18	1	3	1	495	23.5	17	1	1	1	2	2	45	140
L-8 550N A	1.6	420	1	5	9	-.1	4	4910	-.1	2	11	24640	320	1	500	11	1	1310	1	330	19	1	5	1	402	23	17	1	1	1	2	3	20	135
L-8 575N A	1.4	7420	1	4	9	-.1	4	1460	-.1	5	8	28820	610	2	1620	14	1	1700	1	510	22	1	5	1	5715	285.9	12	4	4	4	15	3	120	1100
L-8 600N B	1.7	5460	1	2	8	-.1	2	1470	-.1	2	4	5120	230	1	1630	115	1	870	1	310	13	1	9	1	3683	155.2	13	1	1	3	18	3	430	915
L-8 625N B	1.3	540	1	1	10	-.1	2	3270	-.1	3	4	6420	230	1	530	75	1	1030	1	260	18	1	8	1	1667	68.4	17	1	1	2	15	2	310	771
L-8 650N A	1.4	640	1	1	16	-.1	1	3050	-.1	2	4	12180	450	1	1400	70	1	710	1	410	16	1	16	1	2648	119.6	40	1	1	2	17	2	245	287
L-8 675N A	2.2	8680	1	2	14	-.1	5	3460	-.1	3	6	8200	310	1	13080	460	1	970	1	220	14	1	14	1	2592	100.1	17	1	1	3	14	2	220	434
L-8 700N A	1.6	8460	1	1	14	-.1	2	970	-.1	3	5	8710	410	1	13250	1071	1	1090	1	410	11	1	7	1	3803	168.9	22	1	1	3	21	2	13	165
L-8 725N B	1.1	7310	1	1	6	-.1	1	2730	-.1	2	4	6420	230	1	1620	14	1	1090	1	330	11	1	5	1	3817	151.0	13	1	1	3	13	2	145	1100
L-8 550N B	.8	13670	1	5	7	-.1	18	2350	-.1	14	20	69130	340	1	1640	120	1	910	1	290	15	1	7	1	3525	204.6	23	1	1	3	63	2	155	757
L-8 575N B	2.1	9890	19	6	9	-.1	18	2480	-.1	7	11	27610	520	1	1270	47	1	1050	1	280	20	1	7	1	3422	171.3	14	1	1	3	83	1	135	640
L-8 600N B	2.3	30940	1	4	16	-.1	28	6770	-.1	14	17	38850	420	1	5400	950	1	840	1	250	25	1	15	1	5743	165.4	28	1	1	4	89	2	295	1180
L-8 625N B	1.3	3930	1	1	8	-.1	3	7230	-.1	7	14	40120	340	1	5400	520	1	1130	1	210	11	1	3	1	5715	285.9	12	4	4	4	15	1	165	420
L-8 650N B	2.4	13510	1	3	9	-.1	3	4860	-.1	11	7	40120	340	1	5400	520	1	1180	1	210	19	1	15	1	5715	285.9	12	4	4	4	15	1	175	567
L-8 675N B	1.9	8360	1	3	20	-.1	18	2590	-.1	7	11	29960	410	1	1220	88	1	1220	1	220	14	1	9	1	3683	155.2	13	1	1	3	18	3	430	915
L-8 700N B	2.1	8130	1	1	12	-.1	7	3210	-.1	6	16	24340	460	1	1400	70	1	1220	1	220	14	1	9	1	3667	68.4	17	1	1	2	17	2	310	771
L-8 725N B	1.2	46710	1	5	39	-.1	14	4450	-.1	10	16	52830	450	1	13080	460	1	1220	1	220	14	1	9	1	3648	119.6	40	1	1	2	17	2	245	287
L-8 750N B	1.4	29540	1	6	13	-.1	14	3460	-.1	8	16	52830	450	1	13080	460	1	1220	1	220	14	1	9	1	3803	168.9	22	1	1	3	21	2	290	434
L-8 775N B	1.1	29290	1	5	6	-.1	18	2730	-.1	12	20	68460	190	1	13250	1071	1	1090	1	330	11	1	7	1	3817	151.0	13	1	1	3	13	2	145	1100
TOQ-CK1 (S)	1.5	29290	1	7	28	-.1	19	9430	-.1	17	49	55140	8000	6	17440	927	1	1670	3	860	18	1	19	1	3141	96.1	91	1	1	4	80	2	140	1100

* SEDIMENTS *

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB	BA-TOT PPM
SZ101	.1	22200	78	12	18	1.0	12	9610	-.1	26	75	49060	280	6	18320	758	1	1860	22	450	14	3	13	1	2713	123.8	66	1	1	5	43	95	160	238
SZ102	.1	24270	9	11	20	.8	13	9070	-.1	27	51	48630	150	8	15140	1193	1	1330	22	350	19	3	14	1	2961	125.3	88	2	1	5	45	140	240	200
SZ103	.7	11800	6	9	9	.2	11	5480	-.1	11	14	24640	120	3	6810	228	1	960	7	210	16	1	8	1	2405	73.6	25	3	1	3	20	135	210	202
SZ104	.2	13330	3	9	39	.3	12	5590	-.1	11	11	44610	110	2	7830	265	1	1310	1	250	17	1	7	1	2821	125.6	28	3	1	3	24	175	310	301
SZ105	.1	15520	1	11	28	.6	11	4250	-.1	11	11	44610	110	2	5870	199	1	1700	1	150	20	1	7	1	2492	106.3	28	2	1	3	24	125	110	236
SZ106	.1	24610	6	13	16	.8	10	6860	-.1	29	44	46210	120	6	13520	1467	1	910	19	350	19	4	10	1	2264	113.4	77	3	1	4	46	135	265	191
SZ107	.1	24840	5	15	46	1.0	7	5510	-.1	26	55	47610	210	6	7750	1397	1	950	5	410	36	4	9	1	1678	114.8	86	4	1	4	25	160	70	243
SZ108	.5	19410	5	13	53	.5	9	5600	-.1	16	21	28720	140	5	10350	367	1	5400	17	140	22	4	7	1	2074	74.5	59	4	1	3	28	55	230	254
SZ109	.4	15900	3	13	22	.4	8	6340	-.1	16	21	28030	100	5	9610	358	1	1130	1	50	25	1	8	1	1824	79.5	49	4	1	3	24	70	200	220
SZ110	.1	28480	3	18	35	1.1	9	5290	-.1	32	28	75490	130	6	2400	1627	1	1310	1	40	25	1	5	1	2737	213.3	66	1	1	4	35	155	140	138
SZ111	.1	28390	6	19	54	1.0	9	5870	-.1	33	56	50810	170	7	10760	2008	1	60	13	480	41	6	10	1	2103	124.2	78	3	1	4	37	160	205	55

anomalous 20 ppm As , 45 ppm Pb , in sample #L7S-450; 747 ppm Ba(2970 ppm total Ba) and 9800 ppm K in #L7S-530; 79 ppm Cu in #L8S-560; and 20 ppm Ni , 112 ppm Zn , 142 ppm Cr , 280 ppb Hg , in #L7S-640. Outcrop samples #L7S-540, L7A-525 and L7A-530 are very siliceous, as deduced from their negatively anomalous trace-element geochemistry, indicating a strongly silicified center in their vicinity, which is anomalous in mercury, with 240, 385, and 415 ppb Hg respectively. Numerous other outcrops in the geophysical anomaly area remain unsampled, thus no definitive geochemical interpretation is possible until completion of detailed sampling in the anomaly area.

Soil Samples Geochemistry

Lucky Vein Area - Fig. 3

Seventeen B horizon soil samples were collected by the writer at 25 m. intervals over the geophysical I.P./resistivity weak anomaly on line 100N, from the eastern end of the line at 000W to 400W, as shown in Fig. 3. Weakly anomalous gold values of 12 to 37 ppb Au are present in samples #L1N-000W to L1N-075W, which are associated with anomalous epithermal-type trace elements, probably in secondary iron oxides, particularly in sample L1N-075W, with 101 ppm As , 27 ppm B , 1.5 ppm Be , 147 ppm Cu , 73,260 ppm Fe , 8 ppm Ni , 15 ppm Sb , 51 ppm Zn . The second stretch of weak gold values of 10-15 ppb Au present in samples L1N-250W to L1N-400W is associated with relative siliceousness of these samples, centered on sample #L1N-350W. All the soil samples collected contain uniformly elevated boron values of 23-33 ppm B , which if confirmed, should be traced to their source with additional soil sampling as the boron may be associated with gold-bearing quartz-carbonate veins or skarn zones under the glacial overburden.

Toq 3 Grid - Fig. 4

Line 8S on the geophysical anomaly grid was sampled at 25 m. intervals from 475W to 750W for both A and B horizon soils for orientation purposes. As shown on the geochemical map, Fig. 4, a detectable gold anomaly is present in three adjacent samples at 600W in the B horizon, and at 625W and 650W in the A horizon, with 19 ppb Au , 20 ppb Au , and 47 ppb Au respectively. Both A and B horizon soils at 625W are very siliceous, while at 600W anomalous Ag, Al, Bi, Ca, Cr, W occur in the B horizon, which may indicate presence of weakly gold-bearing quartz-carbonate veins under the overburden.

Stream Sediment Geochemistry

A dozen high quality field-sieved stream sediment samples were collected by the writer in the general area of the geophysical grid anomaly on the Toq 3 claim, as shown on the geochemical 1:5000 scale sample location map, Fig.4. The silt samples were processed for the non-magnetic heavy minerals (H.M.) fraction and analyzed for fire-geochemical gold, in order to enhance it's detectability. The mercury and I.C.P. trace elements analysis was done on the regular -80 mesh fraction, Fig. 4, and Appendix II & III.

Two sediment samples, #SZ107 and SZ109 registered anomalous gold values of 184 ppb Au and 124 ppb Au respectively. These are located in the vicinity of the strong VLF-EM conductor, between 550W and 600W on lines L-9S and L-10S. The anomalous gold value in sample SZ107 is supported by weakly anomalous base metals trace elements, with 55 ppm Cu , 36 ppm Pb , and 86 ppm Zn.

The central samples #SZ103, 108 and 109 are very siliceous and weakly anomalous in silver, with up to 0.7 ppm Ag against a background of 0.1 ppm Ag, while the peripheral samples SZ102, 106, 111 and TOQ-CK1 are weakly anomalous in copper and zinc. The sediment sample SZ101 from a dry branch of the Toquart R. is anomalous in arsenic and copper, for comparison.

The limited drainage sampling in the area of the geophysical anomaly on the Toq 3 claim has identified the central silicified structures with weakly anomalous gold and silver values, likely accompanied peripheraly by some base metals sulfides, as indicated by anomalous copper, lead and zinc trace element values.

CONCLUSIONS:

1. In the area of the weak geophysical I.P./resistivity anomaly east of the Lucky gold-quartz vein on the KZ claim, soil samples and one outcrop sample carry elevated values of boron, which may be associated with gold-bearing quartz-carbonate veins or skarns, possibly present under the glacial overburden, as indicated by weak but persistent gold values in the soil samples.

2. On the Toq 3 claim, the strong geophysical I.P./resistivity and VLF-EM anomaly is associated with precious metals values which are supported by epithermal-type trace elements geochemistry in the rock, soil, and sediment samples collected in the area.

3. Systematic soil sampling of both A and B horizons should be conducted in detail in the geophysical anomaly area on the Toq 3 claim to help identify and trace gold-bearing structures under the overburden.

REFERENCES

Eccles, L.K. (1984): Report on Rock Chip Sampling on the Wick claims for Victoria Resource Corporation, BCMEMPR A.R. 12318

Muller, J.E. and Carson, D.J.T. (1969): Geology and Mineral Deposits of the Alberni Map-Area, B.C. (92F), Geological Survey of Canada Paper 68-50

Rebic, Z. and Lehtinen, J. (1985): Summary Report PN108 - Toquart Bay - private report for Falconbridge Limited

Wilson, J.R. and Zastavnikovich, S. (1989): Diamond Drilling on the Lucky Claims Group BCMEMPR A.R.

Zastavnikovich, S. (1983): Geochemical Report on the KXYZ Claims Group, Alberni Mining Division, BCMEMPR A.R. 11545

Zastavnikovich S. & Chandler, T. (1985): Geochemical Report on the Pipestem, Hansome KST and WICK Groups, Alberni Mining Division, BCMEMPR A.R. 14188

Zastavnikovich, S. & Bzdel, L.M., (March, 1990): Geochemical and Geophysical Assesment Reports On The TOQ Group Claims, Alberni M.D.

STATEMENT OF EXPENDITURES

Wick, KZ and Tog 3 Claim

Sept 26-Sept 29,1991	- Geophysical I.P./Resistivity , Magnetometer and VLF-EM Survey, by Interpretex Resources Ltd., Invoice #7038, 3 days @ $2,000/day	6,000.00
Sept 25-Oct 05,1991 Jan 12-15, 1992	- S. Zastavnikovich , geochemist, grid line cutting, sampling, and supervision, 10 days @ $295/day	2,950.00
Oct 04-Oct 05,1991	- J.R. Wilson, geologist, rock sampling and description, 2 days @ $250/day	500.00
Sept 25, '91-Jan 15, '92	- Lodging, Motels	415.00
	Meals, 13 man-days @ 30/day & one I.P. crew dinner	605.00
	- Transport, 4x4 truck & motorbike, 10 days @ $65/d	650.00
	Gasoline, mileage and ferries	510.00
	- Field supplies, l.d. tel., sample delivery,	170.00
Geochemical Analysis	- 22 rocks, 42 soils, and 12 sediments, and prep.,H.M.@35, ICP @ 6.00, Fire Au @ 7.25, Hg @ 4.00, Ba_{tot} @ 4.50	2,035.50
Geochemical & Geophysical Reports, Maps, Reproduction		1,690.00
	TOTAL,	$15,525.50

CERTIFICATE

I, Sam Zastavnikovich, do hereby certify that:

1. I am a graduate of the University of Alberta with the Degree of B. Ed. in Physical Sciences, 1969.

2. I have been a practising exploration geochemist with Falconbridge Ltd. of Toronto and Vancouver for thirteen continuous years as:
   1969-1975: Field geochemist, international.
   1975-1979: Project geologist-geochemist, B.C.
   1979-1982: Exploration geochemist, worldwide, where I was engaged in all aspects of geochemical exploration, including research and development of improved sampling techniques, and advanced geochemical interpretation, as well as the writing of geochemical budget and assessment reports.

3. From 1982 to present, I have practised as a consulting geochemist in the mineral exploration industry.

4. I am a Voting Member of the Association of Exploration Geochemists.

5. I am a consulting geochemist with offices at 5063-56th Street, Delta, B.C., V4K 3C3.

S. Zastavnikovich, B.Ed.
Consulting Geochemist

APPENDIX I

ROCK SAMPLE NOTES, by J.R. Wilson, Geologist

Toq. and Lucky Claims

Sample No.		Description
L7S-450	-	chloritized andesite, with up to 5% disseminated pyrite
L7S-500	-	andesite?, clay altered , rusty, minor epidote; with 10-15% fine-grained dissem. py.
L75-530	-	chloritized andesite
L7S-540	-	probable rhyolite, siliceous, quartz eyes, aphanitic, white
L7S-595	-	andesite?, bleached, soft, with 5% dissem. py.
L7S-600	-	andesite, chloritic, up to 5% dissem. py.
L7S-625	-	andesite, bleached, with vuggy, fine-grained quartz veinlets; dissem. and veinlet py. to 10%
L7S-630	-	andesite, chloritic, up to 10% dissem. py.
L7S-640	-	andesite, chloritic, up to 10% dissem. py.
L8S-475	-	andesite?. silicified, with qtz-epidote veinlets and 15-20% fine-grained, dissem. py.
L8S-540	-	andesite, chloritic, with up to 10% dissem. py.
L8S-560	-	andesite, pyroclastic?, with fragments up to 10 mm, chlorite, epidote, clay alteration in places, with 15% diss. py.
L8S-670	-	probable silicified andesite, remnant chloritic patches; hard, pale gray, rare plagioclase phenocrysts; up to 20% dissem. py.
L8S-710	-	probable andesite, clay-altered, 15-20% dissem. py. and pyritic vugs.
L9S-400	-	andesite?, possible minor vug filling by quartz
L7A-525	-	very silicified pyroclastic rock (probably andesite) with clasts to 5 cm. Sulphur smell.
L7A-530	-	very silicified, fine to medium grained tuff from porous, 30 cm. wide resistant-to-erosion bed.
L7A-535	-	andesitic pyroclastic rock with dissem. py. in groundmass and clasts. Is within or immediately beside the intensely siliceous unit.
RI-215	-	chloritic andesite, with up to 5 cm. qtz. veinlets with coarse quartz crystals
RI-237	-	chloritic, epidotized andesite from a 5-10 cm. sheer, with minor chalcopyrite in quartz carbonate veinlets
RI-1300	-	float rock, siliceous andesitic crystal-lithic tuff
T4-525	-	chloritic andesite, rusty, siliceous

APPENDIX II.

Analytical Procedure - The samples were analyzed by Min-En Laboratories Ltd. of 705 West 15th St., N.Vanc, as follows:

The stream sediments were oven-dried in their original water-resistant kraft paper bags at 95°C and screened to obtain the minus 80 mesh fraction for analysis. The rock samples were crushed and pulverized in a ceramic-plated pulverizer.

A suitable weight og 5.0 or 10.0 grams is pretreated with HNO_3 and $HClO_4$ mixture.

After pretreatment the samples are digested with Aqua Regia solution, then taken up with 25% HCl to suitable volume and aliquot used for the 26 element ICP trace element analysis.

From the major remaining portion of the sample, Gold is preconcentrated by standard fire assay methods, then extracted with Methyl Iso-Butyl Ketone and analyzed by Atomic Absorption.

For Mercury analysis, 1 gram of sieved material is sintered at 90°c for 4 hours, then digested in HNO_3 and HCl acids mixture, and analyzed by the Hatch and Ott flameless AA method.

PHONE: (604) 980-5814 or 988-4524

APPENDIX II

TELEX: 0

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
Corner 15th Street and Bewicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

ASSESSMENT REPORT FOR:

HEAVY MINERAL SAMPLING AND CONCENTRATIONS

A large sample is collected from stream sediments or soils big enough to yield a minimum of 0.5 kg of the desired minus fraction. After sieving through any of the sieve mesh sizes they are adapted for the survey. After seiving the samples, the minus fraction is grinded to -80 mesh.

Then 0.4 kg of sample is weighed into a suitable centrifuge containers. The prepared concentrations of liquids are added to obtain a 3.1 specific gravity flotation.

The heavy fractions are then washed cleaned and dried. After drying the samples they are separated . The sink float Heavy Minerals are separated into Magnetic and Non Magnetic fractions and both fractions are weighed. The percent of the Magnetic and non Magnetic fractions are calculated and reported with the analytical data.

The analysis are than carried out in the ususal analytical manner by I.C.P. or A.A. method.

APPENDIX III

Analytical Results

COMP: BARAKSO CONSULTANTS
PROJ: TOQ
ATTN: JOHN BARAKSO

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-1277-RJ1
DATE: 91/10/21
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB	BA-TOT PPM
L7S-450	1.5	27750	20	9	140	.1	19	12930	.1	18	20	45860	410	5	17020	1020	1	1960	1	780	45	1	44	1	3220	113.0	78	1	1	6	106	2	120	232
L7S-500	1.1	18080	1	6	137	.1	11	3800	.1	7	19	40960	4370	1	5760	375	1	1480	1	720	22	1	15	1	1851	57.4	52	1	1	5	110	1	205	551
L7S-530	.5	41710	1	5	747	.1	11	3080	.1	15	46	43380	9800	5	15070	983	1	630	6	790	26	1	10	1	850	110.1	56	1	1	4	53	1	205	2970
L7S-540	1.4	7270	7	1	188	.1	3	560	.1	3	16	13530	2330	1	1620	86	3	370	3	330	11	1	9	1	198	13.3	12	1	1	7	180	1	240	708
L7S-595	1.4	40910	1	4	237	.1	19	9430	.1	17	49	55140	8000	6	17440	927	1	770	2	790	29	1	16	1	3141	96.1	91	1	1	4	80	2	140	1100
L7S-600	.9	36440	1	4	193	.1	12	8080	.1	20	40	54070	6650	6	15140	826	1	1380	2	830	22	1	22	1	1809	76.4	80	1	1	5	102	1	175	915
L7S-625	.6	32430	1	2	184	.5	7	7900	.1	15	25	44380	5980	4	14590	620	4	1730	4	710	20	1	29	1	689	67.6	58	1	1	5	115	1	225	771
L7S-630	1.0	52460	1	2	101	.3	16	19970	.1	20	57	50760	2290	7	22980	1313	1	4820	3	690	18	1	80	1	2417	114.4	101	1	1	6	127	1	140	287
L7S-640	.5	58310	1	3	144	.6	15	18900	.1	23	34	58230	4440	9	29690	1298	1	4610	20	710	19	1	87	1	1988	128.0	112	1	1	6	142	3	280	434
L8S-475	1.5	28470	1	3	59	.1	17	16310	.1	22	50	49910	1500	3	16070	782	7	1670	2	850	12	1	61	1	3150	105.5	83	1	1	4	89	10	150	165
L8S-540	.2	32720	1	1	250	.1	6	9410	.1	23	37	50810	3230	4	13210	663	1	1290	2	970	10	1	20	1	924	103.8	61	1	1	3	63	2	155	757
L8S-560	.1	26190	1	1	116	.2	3	5560	.1	25	79	51380	3450	3	7520	403	1	1270	4	820	21	1	22	1	428	65.4	45	1	1	3	83	1	135	640
L8S-670	1.0	28320	1	3	355	.1	17	9370	.1	16	29	46740	6670	4	12900	681	3	1080	1	840	20	1	15	1	2876	86.7	56	1	1	4	89	2	295	1180
L8S-710	.5	35310	1	1	69	.2	11	10760	.1	23	7	48850	1980	7	22210	990	1	2850	3	720	13	1	32	1	1302	86.6	86	1	1	5	115	1	165	420
L9S-400	.7	28210	1	1	102	.1	11	8130	.1	17	34	50690	3440	4	16330	776	2	1100	1	790	18	1	24	1	2057	86.4	81	1	1	6	135	1	175	567
T4-525	2.0	19620	1	1	62	.1	20	13620	.1	17	47	45080	1940	3	10710	806	1	1850	1	1130	17	1	30	1	3754	76.2	85	1	2	4	90	1	115	930
L7A-525	.7	3730	1	1	72	.1	2	470	.1	3	17	30020	910	1	320	14	1	450	1	70	2	1	3	1	167	10.3	8	1	1	4	118	2	385	359
L7A-530	.4	8710	1	1	345	.1	2	350	.1	3	21	40490	2800	1	160	1	1	1080	1	500	15	1	16	1	157	21.8	8	1	1	1	49	1	415	1320
L7A-535	.1	36680	1	1	223	.4	6	2670	.1	16	61	52980	2700	6	24500	1961	1	580	3	860	18	1	9	1	188	78.6	75	1	1	2	41	3	225	1670
RI-215	1.2	31900	1	70	12	.3	11	19980	.1	18	73	34490	350	6	23770	1111	1	710	16	310	9	1	10	1	1689	143.9	39	1	1	8	171	1	95	68
RI-237	2.6	72420	1	7	4	.1	9	68730	.1	18	2144	45510	80	4	9900	570	1	70	9	30	16	1	118	1	1810	145.7	39	4	1	5	97	4	115	50
RI-1300	1.9	14920	1	1	7	.1	11	12000	.1	8	46	21010	110	1	4850	173	1	2970	1	500	4	1	59	1	1937	33.0	11	1	1	5	120	1	95	98

COMP: BARAKSO CONSULTANTS
PROJ: TOQ
ATTN: JOHN BARAKSO

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-1277-SJ1
DATE: 91/10/18
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
L-8 475W A	2.1	13140	19	9	26	.1	10	5920	.1	5	7	9530	430	1	860	88	6	1060	1	190	23	1	22	1	1659	61.9	18	2	2	2	3	2	185
L-8 500W A	1.9	4380	6	6	10	.1	3	500	.1	1	8	2760	160	1	160	7	1	1330	1	540	19	1	3	1	114	3.6	21	1	1	1	2	3	265
L-8 525W A	1.7	1000	1	4	24	.1	3	3070	.1	2	8	12340	230	1	570	30	1	960	1	320	18	1	9	1	495	23.5	17	1	1	1	3	3	215
L-8 550W A	1.6	420	1	5	9	.1	1	4910	.1	1	4	440	320	1	500	11	1	1310	1	330	19	1	9	1	23	1.7	17	1	1	1	1	2	260
L-8 575W A	1.4	7420	1	4	9	.1	9	1460	.1	5	8	28820	610	1	590	22	1	1700	1	510	22	1	5	1	1890	107.5	24	1	2	1	7	2	245
L-8 600W A	1.7	5460	1	2	8	.1	6	1470	.1	2	4	5120	230	1	350	34	1	1180	1	430	16	1	5	1	1301	37.6	10	1	1	1	4	1	200
L-8 625W A	1.3	540	1	2	10	.1	1	3270	.3	1	3	620	230	1	640	12	1	1500	3	230	19	1	10	1	53	2.1	16	1	1	1	1	47	190
L-8 650W A	1.4	640	1	1	16	.1	1	3050	.1	1	2	820	310	1	830	11	1	1110	1	340	20	1	11	1	94	4.4	18	1	1	1	1	20	145
L-8 675W A	2.2	8680	1	2	14	.1	13	3460	.1	6	4	12180	450	1	920	78	1	970	1	220	14	1	14	1	2592	100.1	7	1	3	1	2	4	135
L-8 700W A	1.6	8460	1	5	14	.1	8	970	.1	3	5	8710	410	1	700	34	1	850	1	910	18	1	5	1	1422	50.6	14	1	2	1	6	2	350
L-8 725W A	2.1	14460	1	3	10	.1	18	2590	.1	7	11	29960	410	1	690	39	1	1540	1	1150	25	1	9	1	3683	155.2	13	1	3	3	18	3	430
L-8 750W A	1.4	12680	1	5	6	.1	9	3210	.1	6	16	24340	160	1	2180	77	1	860	1	610	16	1	8	1	1667	68.4	17	1	2	2	15	2	310
L-8 475W B	.9	27960	1	5	39	.1	14	4450	.1	10	9	52830	450	1	1550	128	22	840	1	410	28	1	16	1	2648	119.6	40	1	3	1	7	9	245
L-8 500W B	.8	14210	1	6	8	.1	19	1890	.1	11	16	78280	340	1	660	40	1	950	1	410	16	1	5	1	3803	168.9	22	1	3	2	21	4	290
L-8 525W B	1.1	7310	1	5	6	.1	18	2730	.1	12	20	68460	190	1	440	73	1	1090	1	330	11	1	7	1	3817	151.0	13	1	3	2	13	1	145
L-8 550W B	.8	13670	1	5	7	.1	18	2350	.1	14	20	69130	340	1	2910	120	1	910	1	290	15	1	7	1	3525	204.6	23	1	3	2	17	3	210
L-8 575W B	2.1	9890	19	6	9	.1	18	2480	.1	7	11	27610	520	1	950	47	1	1050	1	280	20	1	7	1	3426	171.3	14	3	4	2	9	2	225
L-8 600W B	2.3	30940	1	4	16	.1	28	6770	.1	14	17	38850	420	1	5400	221	1	840	1	250	25	1	25	1	5743	165.4	28	1	5	4	34	19	195
L-8 625W B	1.3	3930	1	2	8	.1	3	230	.1	2	6	12730	320	1	520	25	1	1130	1	210	11	1	3	1	402	35.7	17	1	1	1	3	2	155
L-8 650W B	2.4	13510	1	3	9	.1	30	4860	.1	11	7	40120	340	1	1220	117	1	1180	1	80	19	1	15	1	5715	285.9	12	4	4	4	15	3	120
L-8 675W B	1.9	8360	1	3	20	.1	11	4050	.1	6	5	13380	620	1	1630	115	1	870	1	310	13	1	14	1	2054	75.6	15	1	2	1	5	2	150
L-8 700W B	2.1	8130	1	1	13	.1	14	2660	.1	5	2	9720	280	1	530	75	1	1030	1	260	18	1	8	1	2818	65.6	8	1	3	1	5	2	230
L-8 725W B	1.2	46710	1	7	4	.1	36	3420	.1	18	39	93320	130	1	1400	70	1	850	1	410	19	1	7	1	7518	318.6	23	1	5	6	72	3	220
L-8 750W B	1.4	29340	1	6	13	.1	24	9080	.1	20	39	56690	210	1	13080	460	1	1660	10	260	22	1	26	1	4741	151.7	48	1	3	4	44	3	185
TOQ-CKI (SILT)	1.5	29290	1	7	28	.1	21	16030	.1	28	113	53220	500	1	13250	1071	1	1270	18	450	26	1	28	1	4222	152.0	60	1	3	3	51	8	225

COMP: BARAKSO CONSULTANTS
PROJ: TOQUART
ATTN: J.BARAKSO/S.ZASTAVNIKOVICH

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 2V-0031-SJ2
DATE: 92/01/31
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB	F PPM	BA-TOT PPM
L1N-000W	.1	45190	34	23	20	1.5	10	2500	.1	22	79	83880	160	11	5310	350	1	70	1	500	25	10	6	1	2469	228.4	47	2	1	6	76	12	890	70	203
L1N-025W	.1	47130	14	23	39	.9	12	1690	.1	13	53	63780	120	6	2610	90	1	80	1	380	31	10	4	1	2646	185.2	34	1	1	5	63	7	345	80	159
L1N-050W	.1	63370	61	28	94	1.3	11	2220	.1	16	91	74570	170	8	3820	246	1	60	1	680	31	17	9	1	2296	176.5	40	1	1	6	90	37	525	90	97
L1N-075W	.1	56130	101	27	33	1.5	9	2050	.1	27	147	73260	190	10	9190	769	1	70	8	700	42	15	8	1	2057	230.6	51	3	1	7	89	16	365	95	151
L1N-100W	.1	38960	14	27	195	.9	11	2180	.1	12	38	58090	130	5	2310	157	1	80	1	420	25	10	4	1	2590	131.0	25	2	1	4	56	4	445	55	332
L1N-125W	.6	59190	6	26	23	.3	17	3190	.1	12	35	45700	120	4	3290	99	1	100	1	470	31	15	6	1	3270	116.8	19	1	2	5	64	5	255	75	219
L1N-150W	.7	52210	6	26	27	.4	17	3680	.1	12	35	45030	200	5	4000	139	1	110	1	490	28	13	8	1	3268	116.4	17	2	2	4	56	4	245	50	353
L1N-175W	.1	29080	8	25	416	.7	10	2530	.1	10	35	47720	150	5	1960	107	1	70	1	320	19	7	5	1	2233	107.8	18	2	1	3	33	5	195	155	316
L1N-200W	.1	30210	31	23	9	.8	10	2080	.1	11	38	61730	130	5	1260	127	1	90	1	320	21	8	3	1	2481	125.8	21	2	1	3	35	8	385	65	351
L1N-225W	.1	48090	16	30	20	1.5	8	5530	.1	26	69	37280	180	7	4820	1329	1	100	13	710	38	14	10	1	1288	84.1	33	4	1	4	51	6	195	75	228
L1N-250W	.3	36610	21	28	69	1.0	12	3200	.1	19	65	56830	150	7	2880	247	1	110	1	380	26	9	5	1	2893	166.2	24	4	1	4	43	10	225	80	242
L1N-275W	.5	22640	19	26	86	.5	11	2350	.1	11	38	37550	120	6	1610	85	2	70	1	240	17	7	3	1	2169	124.6	14	4	1	3	28	9	185	55	163
L1N-300W	.5	60190	25	27	178	.6	14	1700	.1	10	35	43330	120	4	2230	89	1	60	1	390	39	17	4	1	2646	92.3	11	1	1	4	62	15	340	65	233
L1N-325W	.1	47960	12	30	92	.6	13	1330	.1	9	36	51800	110	4	1190	35	1	60	1	260	25	13	2	1	2677	119.0	9	1	1	4	57	13	355	75	245
L1N-350W	.2	18550	1	29	124	.3	12	1490	.1	9	30	47340	120	6	610	35	1	60	1	180	16	4	3	1	2755	165.5	10	3	1	3	22	13	150	100	179
L1N-375W	.4	38540	13	33	58	.7	10	2100	.1	10	45	42720	150	5	1180	116	1	80	1	380	22	12	5	1	2106	102.0	13	2	1	3	37	13	345	60	160
L1N-400W	.2	30480	7	28	158	.9	14	4220	.1	30	55	65280	230	7	2810	976	1	100	1	420	26	7	8	1	3452	162.4	27	2	1	5	51	10	205	90	121

COMP: BARAKSO CONSULTANTS
PROJ: TOQUART
ATTN: J.BARAKSO/S.ZASTAVNIKOVICH

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 2V-0031-SJ1
DATE: 92/01/31
* SEDIMENTS * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	HG PPB	F PPM	BA-TOT PPM
SZ101	.1	22200	78	12	18	1.0	12	9610	.1	26	75	49060	280	6	18320	758	1	120	22	450	14	3	13	1	2713	123.8	66	1	1	5	43	95	160	238
SZ102	.1	24270	9	11	20	.8	13	9070	.1	27	51	48630	150	8	15140	1193	1	70	22	350	19	3	14	1	2961	125.3	88	2	1	5	45	140	240	200
SZ103	.7	11800	6	9	9	.2	11	5480	.1	11	14	24640	120	3	6810	228	1	40	7	210	16	1	8	1	2405	73.6	25	3	1	3	20	135	210	202
SZ104	.2	13330	1	9	39	.3	12	5580	.1	13	16	41310	190	3	7830	265	1	50	3	250	17	1	10	1	2821	115.6	28	3	1	3	24	75	310	301
SZ105	.1	15520	1	11	28	.6	11	4250	.1	11	11	44610	110	2	5870	199	1	40	1	150	20	1	7	1	2492	106.3	28	2	1	3	24	125	110	236
SZ106	.1	24610	6	13	16	.8	10	6860	.1	29	44	46210	120	6	13520	1467	1	50	19	350	19	4	9	1	2264	113.4	77	3	1	4	46	135	265	191
SZ107	.1	24840	5	15	46	1.0	7	5510	.1	26	55	47610	210	6	7750	1397	1	60	5	410	36	5	10	1	1678	114.8	86	4	1	3	25	160	70	243
SZ108	.5	19410	5	13	53	.5	9	5600	.1	16	21	28720	140	5	10350	367	1	60	17	140	22	4	7	1	2074	74.5	59	5	1	3	28	55	230	254
SZ109	.4	15900	3	13	22	.4	8	6340	.1	16	21	28030	100	5	9610	358	1	50	15	140	25	3	8	1	1824	79.5	49	4	1	3	24	70	200	220
SZ110	.1	28480	3	18	35	1.1	9	5290	.1	32	28	75490	130	6	2400	1627	1	40	1	310	25	5	6	1	2737	213.3	66	1	1	4	35	155	140	138
SZ111	.1	28390	6	19	54	1.0	9	5870	.1	33	56	50810	170	7	10760	2008	1	60	13	480	41	6	10	1	2103	124.2	78	3	1	4	37	160	205	55

MINERAL
• ENVIRONMENTS
LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0031-HG1

Company: BARAKSO CONSULTANTS
Project: TOQUART
Attn: J.BARAKSO/S.ZASTAVNIKOVICH

Date: FEB-10-92
Copy 1. BARAKSO CONSULTANTS, NORTH VAN., B.C.
2. SAM ZASTAVNIKOVICH, DELTA, B.C.

We hereby certify the following Geochemical Analysis of 11 H.M. NON-MAG samples submitted JAN-16-92 by SAM ZASTAVNIKOVICH.

Sample Number	AU-FIRE PPB
SZ 101	3
SZ 102	2
SZ 103	2
SZ 104	2
SZ 105	3
SZ 106	6
SZ 107	184
SZ 108	2
SZ 109	124
SZ 110	5
SZ 111	7

Certified by _____

MIN-EN LABORATORIES

APPENDIX IV

Geophysical Report

REPORT ON

INDUCED POLARIZATION, TOTAL FIELD MAGNETIC AND VLF-EM SURVEYS

ON THE

TOQ AND LUCKY CLAIM GROUPS

ALBERNI MINING DIVISION, B.C.

NTS 92F/3W

FOR

BARIL DEVELOPMENTS LTD.

BY

INTERPRETEX RESOURCES LTD.

Surrey, B.C.
November, 1991

L.M. Bzdel
E.R. Rockel

1.0 INTRODUCTION

1.1 General

This report pertains to the results of magnetic, electromagnetic (VLF-EM) and induced polarization surveys conducted on the Toq and Lucky claim groups for Baril Developments Ltd. The program was carried out in September, 1991.

1.2 Objectives

- to test a previously defined VLF-EM conductor for the presence of sulphide minerals using the induced polarization method.
- to outline areas of interest for further exploration on the ground.

2.0 SURVEY SPECIFICATIONS

2.1 Survey Parameters

- survey line separation - 100 meters
- survey station spacing - flagged at 25 meter intervals
- survey total - Toq Claim Group
  - 425 meters magnetic and VLF-EM
  - 1.925 km. induced polarization/resistivity
- Lucky Claim Group
  - 1.925 km. magnetic and VLF-EM
  - 1.925 km. induced polarization/resistivity

2.2 Equipment Parameters

- Magnetic and VLF-EM Survey
  - Scintrex Omni Plus combined VLF-EM and magnetometer
  - earth's total magnetic field measured in gammas (nanoteslas)
  - magnetic variations controlled by automatic magnetic base recording every 30 seconds
  - instrument accuracy +/- 0.1 gamma
  - station repeatability better than +/- 3 gammas in low gradients
  - in-phase (dip angle) and quadrature (out-of-phase) measured in percent at each station
  - field strength measured at each station
  - transmitting stations - NLK (24.8 kHz.) - Seattle, WA
    - NSS (21.4 kHz.) - Annapolis, MD

- Induced Polarization Survey
  - Huntec Mk II 2.5 kilowatt transmitter
  - Androtex Limited TDR-6 time domain receiver
  - apparent chargeability measured in milliseconds
  - potential electrode voltage measured in millivolts

...2

- time delay - 80 msec.
- integration windows - 80, 80, 80, 80, 160, 160, 160, 320, 320 and 320 msec.
- apparent resistivity calculated in ohm-meters
- dipole spacing "a" = 25 meters, n = 1 to 6

2.3 Equipment Specifications - see Appendix I

3.0 DATA

3.1 Calculations

Total Field Magnetic Survey

Total field magnetic readings were individually corrected for variations in the earth's magnetic field using magnetic base station values.
The formula used for magnetic corrections was;

$$CTFR = TFR + (DBL - BSR) \quad \text{(gammas)}$$

where: CTFR = Corrected Total Field Reading
TFR = Total Field Reading
DBL = Datum Base Level
BSR = Base Station Reading

Induced Polarization Survey

Apparent resistivity values were calculated using the formula;

$$Pa = 2n(n+1)PI*a(V/i) \quad \text{(ohm-meters)}$$

where: n = "n" value of 1 to 6
PI = 3.14
a = electrode separation (meters)
V = observed voltage (millivolts)
i = observed current (amps)
* = "multiplied by"

3.2 Presentation

- Magnetic data are presented in profile form on Figures 1 and 3 at a scale of 1:2500
- Seattle VLF-EM in-phase, quadrature and field strength readings are presented in profile form on Figures 2 and 4 at a scale of 1:2500
- The geophysical interpretation for the Toq claim group is presented on Figure 5 at a scale of 1:2500
- Induced polarization data are presented as contoured pseudosections on Figures PS-1 through PS-5 at a scale of 1:2500
- Field readings are listed in Appendix II.

...3

4.0 GEOPHYSICAL INTERPRETATION

Data from two VLF-EM transmitting stations (NLK, Seattle, WA and NSS, Annapolis, MD) were recorded. The response of both frequencies were very similiar, therefore only the Seattle data were plotted and interpreted.

4.1 Toq Claim Group

The previous geophysical program (see reference 1) delineated a VLF-EM conductive trend extending for 400 meters from line 500 S to line 900 S. This trend was characterized by strong in-phase and field strength responses from line 700 S to line 900 S. The present program indicates that this VLF-EM trend extends to line 1000 S and may still be open to the southeast. The conductor on line 1000 S is located at station 587.5 W and exhibits strong in-phase and field strength responses (Figure 2).

The magnetic profile of line 1000 S (Figure 1) displays a small magnetic rise at 550 W and a stronger magnetic anomaly located between 437 W and 475 W. These features appear to be the extensions of anomalies on line 900 S observed in the previous survey.

The induced polarization/resistivity survey has delineated a strong chargeability trend extending in a southeast direction from line 700 S to line 1000 S. This trend is characterized by chargeability values ranging from the mid-fourties (line 1000 S) to the mid-eighties (line 800 S). At line 1000 S the anomaly appears to be from a deeper source.

The trend (as shown on Figure 5) is thought to represent a core of very high chargeability values located within an envelope of moderate values that range from the low to high teens. The data indicates that the background chargeability values drop off to less than five milliseconds towards the western portion of the survey area. This is most evident on lines 800 S and 900 S (Figures PS-2,3) where coverage is more complete in this direction. Coverage is not as complete towards the eastern part of the grid, but the data suggests a similiar pattern of reduced chargeability strength in this direction.

This strong chargeability trend directly correlates with the location of the VLF-EM conductive trend described earlier. The magnitude of the chargeability responses support the previous conclusion of a massive sulphide core as the source. The envelope of moderate chargeability values is indicative of dissimenated sulphides.

Directly correlating with these high chargeability value are low resistivity values. This is a signature typical of significant amounts of sulphide mineralization.

...4

The resistivity data indicates a southeast trend of high resistivity adjacent to the strong chargeability trend. The highest resistivities are located on line 800 S (Figure PS-2) with values over 10,000 ohm-meters. The trend decreases in strength on line 900 S and is only a small near surface response on line 1000 S. These high resistivity values suggest an increase in silicification.

4.2 Lucky Claim Group

The survey grid consists of one line, labelled 100 N, which extends for 1,925 meters and is almost entirely along a logging road. Many cultural features (such as culverts) were observed and are responsible for most of the magnetic and VLF-EM anomalies.

The cultural magnetic anomalies are characterized by single station highs such as the culvert at 675 W or magnetic lows like the trailers and vehicles between 75 W and 100 W. Taking into account the cultural features recorded by the magnetometer, a general change in magnetic intensity is observed at approximately 1500 W. West of this station there appears to be a decrease in the overall magnetic intensity and may reflect a contact at about 1500 W.

The VLF-EM data exhibits only weak anomalies most of which can be attributed to cultural features or creeks.

The induced polarization survey indicates a zone of elevated chargeability values extending from approximately 200 W to 450 W. Within this zone are two discrete anomalies of slightly higher chargeabilities centered at approximately 300 W and 400 W. No other chargeability anomalies are observed on the remainder of this line. These chargeability highs are indicative of small amounts of disseminated sulphide minerals.

A zone of high resistivity extends from approximately 150 W to 300 W with a small break at 250 W. This high resistivity zone appears to be, in part, associated with the above described chargeability zone, suggesting possible silicification.

The characteristics of other resistivity highs observed suggest that the electrodes were placed close to or right over resistive near surface features such as boulders.

5.0 Recommendations

Further geological and geochemical investigations are suggested for both claim groups. It is also believed that the targets on the Toq claim group have undergone sufficient geophysical exploration and drilling is warranted.

...5

The following locations represent the interpreted centers of the chargeability anomalies and are listed in order of priority:

Line 800 S	525 W
Line 900 S	550 W
Line 700 S	512 W
Line 1000 S	587 W

REFERENCES

1. S. Zastavnikovich, L.M. Bzdel, E.R. Rockel; Assessment Report on the Toq Claim Group, January, 1990.

Respectfully Submitted

INTERPRETEX RESOURCES LTD.

Surrey, British Columbia

L.M. BZDEL

Geophysicist

E.R. ROCKEL

Consulting Geophysicist

PERMIT TO PRACTICE
INTERPRETEX RESOURCES LTD.
Signature
Date Nov. 5, 1991
PERMIT NUMBER: P 3100
The Association of Professional Engineers,
Geologists and Geophysicists of Alberta

CERTIFICATE

I, Lawrence Michael Bzdel, Geophysicist of Burnaby, British Columbia, Canada, hereby certify that:

1. I received a B.Sc. degree in Geophysics from the University of Saskatchewan in 1987.

2. I have been practising my profession since graduation.

3. I hold no direct or indirect interest in, nor expect to receive any benefits from, the mineral property or properties described in this report.

4. This report may be used for the development of the property, provided that no portion will be used out of context in such a manner as to convey meanings from that set out in the whole.

5. Consent is hereby given to the company for which this report was prepared to reproduce the report or any part of it for the purposes of development of the property, or facts relating to the raising of funds by way of a prospectus and/or statement of material facts.

Date: Nov 5/91 Signed: Lawrence Bzdel

Burnaby,
British Columbia

Lawrence Michael Bzdel
B.Sc.

CERTIFICATE

I, Edwin Ross Rockel, Geophysicist of Surrey, British Columbia, Canada, hereby certify that:

1. I received a B.Sc. degree in Geophysics from the University of British Columbia in 1966.

2. I am a Consulting Geophysicist and owner of Interpretex Resources Ltd. located in the Municipality of Surrey, in the Province of British Columbia.

3. I currently reside at 13000 54A Ave, in the Municipality of Surrey, in the Province of British Columbia.

4. I have been practising my profession since graduation.

5. I am a Professional Geophysicist registered in the Province of Alberta.

6. I am a Certified Professional Geological Scientist registered in the United States of America.

7. I hold no direct or indirect interest in, nor expect to receive any benefits from, the mineral property or properties described in this report.

8. This report may be used for the development of the property, provided that no portion will be used out of context in such a manner as to convey meanings different from that set out in the whole.

9. Consent is hereby given to the company for which this report was prepared to reproduce the report or any part of it for the purposes of development of the property, or facts relating to the raising of funds by way of a prospectus and/or statement of material facts.

Date: Nov. 5, 1991 Signed:

Surrey,
British Columbia

Edwin Ross Rockel
B.Sc., P.Geoph., P.G.S.

APPENDIX I

Equipment Specifications

OMNI PLUS VLF/Magnetometer system

EDA

Specifications*

Frequency Tuning Range	15 to 30 kHz, with bandwidth of 150 Hz; tuning range accommodates new Puerto Rico station at 28.5 kHz
Transmitting Stations Measured	Up to 3 stations can be automatically measured at any given grid location within frequency tuning range
Recorded VLF Magnetic Parameters	Total field strength, total dip, vertical quadrature (or alternately, horizontal amplitude)
Standard Memory Capacity	800 combined VLF magnetic and VLF electric measurements as well as gradiometer and magnetometer readings
Display	Custom designed, ruggedized liquid crystal display with built-in heater and an operating temperature range from −40°C to +55°C. The display contains six numeric digits, decimal point, battery status monitor, signal strength status monitor and function descriptors.
RS232C Serial I/O Interface	2400 baud rate, 8 data bits, 2 stop bits, no parity
Test Mode	A. Diagnostic Testing (data and programmable memory) B. Self Test (hardware)
Sensor Head	Contains 3 orthogonally mounted coils with automatic tilt compensation
Operating Environmental Range	−40°C to +55°C; 0 – 100% relative humidity; Weatherproof
Power Supply	Non-magnetic rechargeable sealed lead-acid 18V DC battery cartridge or belt; 18V DC disposable battery belt; 12V DC external power source for base station operation only.
Weights and Dimensions	
Instrument Console	2.8 kg, 128 x 150 x 250 mm
Sensor Head	2.1 kg, 130 dia. x 130 mm
VLF Electronics Module	1.1 kg, 40 x 150 x 250 mm
Lead Acid Battery Cartridge	1.8 kg, 235 x 105 x 90 mm
Lead Acid Battery Belt	1.8 kg, 540 x 100 x 40 mm
Disposable Battery Belt	1.2 kg, 540 x 100 x 40 mm

*Preliminary

EDA Instruments Inc.,
4 Thorncliffe Park Drive,
Toronto, Ontario
Canada M4H 1H1
Telex: 06 23222 EDA TOR,
Cables: Instruments Toronto
(416) 425-7800

In USA,
EDA Instruments Inc.,
5151 Ward Road,
Wheat Ridge, Colorado
U.S.A. 80033
(303) 422-9112

Printed in Canada

OMNI IV "Tie-Line" Magnetometer

EDA

Specifications

Dynamic Range	18,000 to 110,000 gammas. Roll-over display feature suppresses first significant digit upon exceeding 100,000 gammas.
Tuning Method	Tuning value is calculated accurately utilizing a specially developed tuning algorithm
Automatic Fine Tuning	± 15% relative to ambient field strength of last stored value
Display Resolution	0.1 gamma
Processing Sensitivity	± 0.02 gamma
Statistical Error Resolution	0.01 gamma
Absolute Accuracy	± 1 gamma at 50,000 gammas at 23°C ± 2 gamma over total temperature range
Standard Memory Capacity	
Total Field or Gradient	1,200 data blocks or sets of readings
Tie-Line Points	100 data blocks or sets of readings
Base Station	5,000 data blocks or sets of readings
Display	Custom-designed, ruggedized liquid crystal display with an operating temperature range from –40°C to +55°C. The display contains six numeric digits, decimal point, battery status monitor, signal decay rate and signal amplitude monitor and function descriptors.
RS 232 Serial I/O Interface	2400 baud, 8 data bits, 2 stop bits, no parity
Gradient Tolerance	6,000 gammas per meter (field proven)
Test Mode	A. Diagnostic testing (data and programmable memory) B. Self Test (hardware)
Sensor	Optimized miniature design. Magnetic cleanliness is consistent with the specified absolute accuracy.
Gradient Sensors	0.5 meter sensor separation (standard), normalized to gammas/meter. Optional 1.0 meter sensor separation available. Horizontal sensors optional.
Sensor Cable	Remains flexible in temperature range specified, includes strain-relief connector
Cycling Time (Base Station Mode)	Programmable from 5 seconds up to 60 minutes in 1 second increments
Operating Environmental Range	–40°C to +55°C; 0–100% relative humidity; weatherproof
Power Supply	Non-magnetic rechargeable sealed lead-acid battery cartridge or belt; rechargeable NiCad or Disposable battery cartridge or belt; or 12V DC power source option for base station operation.
Battery Cartridge/Belt Life	2,000 to 5,000 readings, for sealed lead acid power supply, depending upon ambient temperature and rate of readings
Weights and Dimensions	
Instrument Console Only	2.8 kg, 238 x 150 x 250mm
NiCad or Alkaline Battery Cartridge	1.2 kg, 235 x 105 x 90mm
NiCad or Alkaline Battery Belt	1.2 kg, 540 x 100 x 40mm
Lead-Acid Battery Cartridge	1.8 kg, 235 x 105 x 90mm
Lead-Acid Battery Belt	1.8 kg, 540 x 100 x 40mm
Sensor	1.2 kg, 56mm diameter x 200mm
Gradient Sensor (0.5 m separation - standard)	2.1 kg, 56mm diameter x 790mm
Gradient Sensor (1.0 m separation - optional)	2.2 kg, 56mm diameter x 1300mm
Standard System Complement	Instrument console; sensor; 3-meter cable, aluminum sectional sensor staff, power supply, harness assembly, operations manual.
Base Station Option	Standard system plus 30 meter cable
Gradiometer Option	Standard system plus 0.5 meter sensor

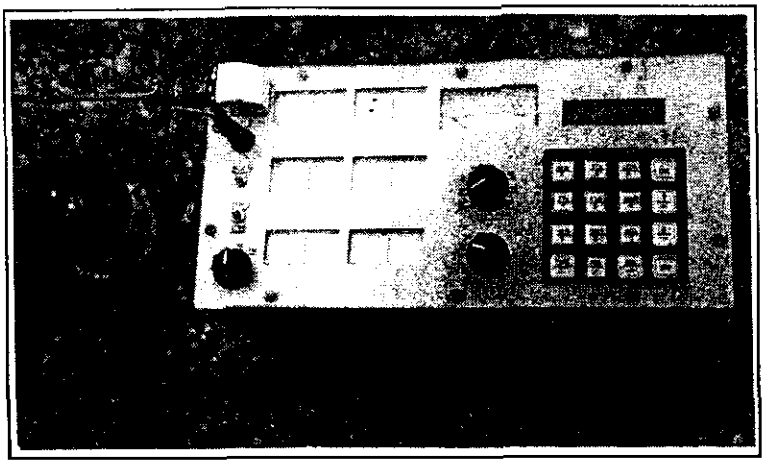
E D A Instruments Inc.
4 Thorncliffe Park Drive
Toronto, Ontario
Canada M4H 1H1
Telex: 06 23222 EDA TOR
Cable: Instruments Toronto
(416) 425 7800

In U.S.A.
E D A Instruments Inc.
5151 Ward Road
Wheat Ridge, Colorado
U.S.A. 80033
(303) 422 9112

Printed in Canada

ANDROTEX TDR - 6

SIX DIPOLE TIME DOMAIN IP RECEIVER



The TDR-6 induced polarization receiver is a highly cost-effective instrument for the detailed measurements of induced polarization and resistivity phenomenon. Up to six dipoles can be measured simultaneously, thus increasing survey production.

A wide input voltage range, up to 30V, simplifies surveys over the narrow shallow conductors of large resistivity contrast. Input signal indicators are provided for each dipole. All data are displayed on a 2 x 16 character LCD module and any selected parameters can be monitored on a separate analogue meter for noise evaluation during the stacking/averaging.

Although the TDR-6 receiver is automatic it allows full control and communications with the operator at all times during measurements.

Since the input signal synchronizes the receiver at each cycle, the transmitter timing stability is not critical and any standard time domain transmitter can be used.

Data are stored in internal memory with a capacity of up to 2700 readings ie., 450 stations. The data format is directly compatible with the GEOSOFT IP Plotting System without the necessity of an instrument conversion program.

FEATURES

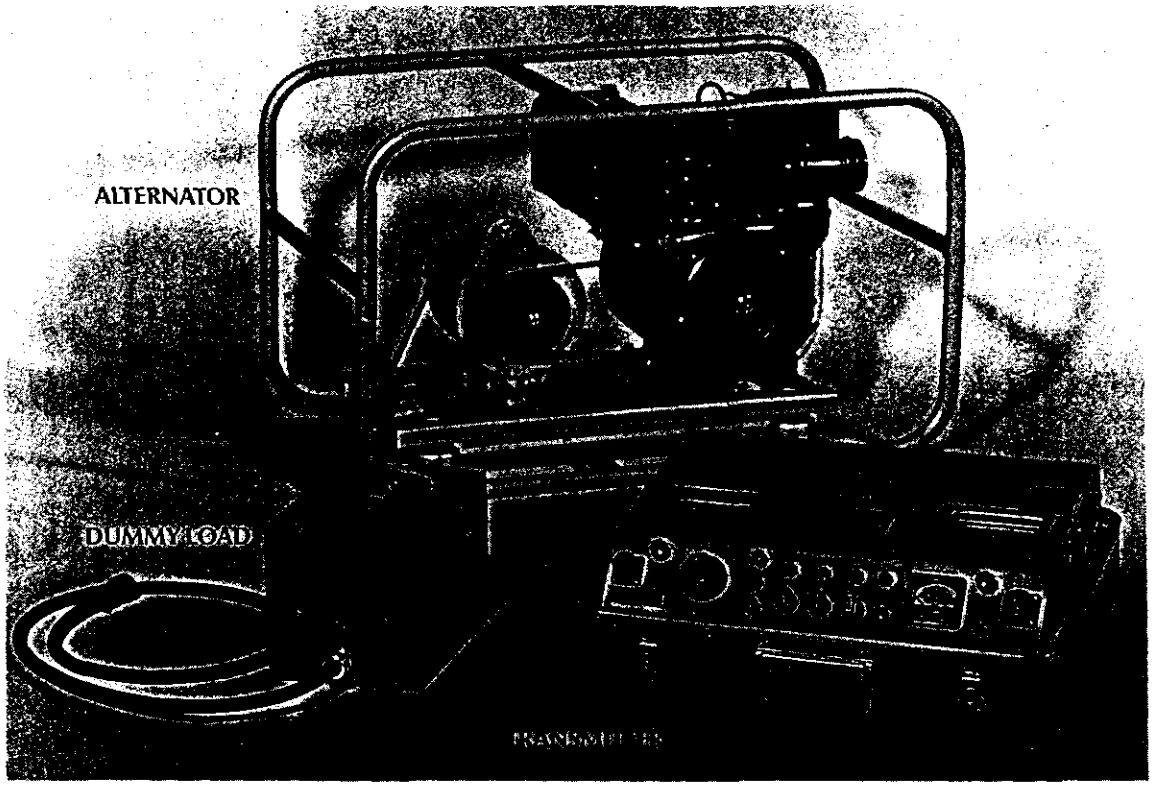
- Wide input signal range
- Automatic self-potential cancellation
- Stacking/averaging of Vp and M for high measurement accuracy in noisy environments
- High rejection of power line interference
- Continuity resistance test
- Switch selectable delay and integration time
- Multiwindow chargeability measurements
- Digital output for data logger
- Six channel input provided
- Compatible with standard time domain transmitters
- Alpha-numeric LCD display
- Audio indicator for automatic SP compensation
- Portable

SPECIFICATIONS

Dipoles		1 to 6 simultaneously
Input Impedance		10 megohm
Input Voltage (VP)	-range	100µV - 30V (automatic)
	-accuracy	.25%
	-resolution	10 microvolt
Self Potential (SP)	-range	±2.0 volt
	-accuracy	1%
Automatic SP Compensation		±1.0 volt
Chargeability (M)	-range	300 mV/V
	-accuracy	.25%
	-resolution	.1 mV/V
Automatic Stacking		2 to 32 cycles
Delay Time		Programmable
Integration Time (each gate)		Programmable
Total Chargeability Time		During integration time for all gates
Synchronization Signal		From channel 1 or 6
Filtering	- Power Lines	Dual Notch 60/180 Hz or 50/150 Hz, 100 dB
	- Other	Anti-alias, RF and spike rejections
Internal Test		Vp = 1 volt,M=30 mV/V
Ground Resistance Test		0 - 200 k ohm
Transmitting Time		1, 2, 4 and 8 sec. pulse duration ON/OFF (standard time domain transmitter)
Digital Display		Two lines 16 alphanumeric LCD
Analogue Meters		Six - monitoring input signal and course resistance testing
Controls	- push button	Reset
	- toggle	Start - Stop
	- rotary	Rs - IN - Test
	- rotary (data scroll)	Display
	- rotary (data scroll)	Dipole
	- keypad	16 key - 4 x 4
Memory Capacity		2700 readings (450 stations at 6 dipoles)
Data Output	-serial I/O port	RS232C baud rate programmable
	-compatibility	GEOSOFT IP System
Temperature Range	-operating	-30ºC to +50ºC
	-storage	-40ºC to +60ºC
Power Supply		Four 1.5V D cells
Dimensions		31 x 16 x 29 cm (12.25 x 6.25 x 11.5 in.)
Weight		6.5 kg (14.3 lbs)

Androtex reserves the right to change specifications when it results in product improvement

ANDROTEX LIMITED
GEOPHYSICAL INSTRUMENTS
6815 REXWOOD RD. UNIT 1
MISSISSAUGA, ONTARIO, L4V 1M2
Phone: (416) 677-7919 CANADA



SPECIFICATIONS
M-4 2.5 kW Transmitter

Power input:	96 — 144 V line to line 3 phase, 400 Hz (from Huntec generator set)
Output:	Voltage: 150 — 2200 V dc in 8 steps Current: 0.2 — 7 A regulated**
Current regulation:	Less than ±0.1% change for ±10% load change
Output frequency:	0.0625 Hz to 1 Hz (time domain, complex resistivity) 0.0625 Hz to 4 Hz (frequency domain) selectable from front panel An additional range of frequencies between 0.78 and 5.0 Hz is available and can be selected by an internal switch.
Frequency accuracy:	±50 ppm −30°C to +60°C
Output duty cycle: $T_{on}/(T_{on} + T_{off})$	0.5 to 0.9375 in increments of 0.0625 (time domain) 0.9375 (complex resistivity) 0.75 (frequency domain)
Output current meter:	Two ranges: 0-5 A and 0-10 A
Ground resistance meter:	Two ranges: 0-10 kΩ, 0-100 kΩ
Input voltage meter:	0-150 V
Dummy load:	Two levels: 500 kW and 1.75 kW
Temperature range:	−34°C to +50°C
Size:	53 cm x 43 cm x 29 cm
Weight:	26 kg

***Smaller currents are obtainable, but outside the current regulation range the transmitter voltage is regulated, not the current.*

SPECIFICATIONS
M-4 2.5 kW Engine Driven Alternator

Output:	120 V ac 400 Hz 3.5 kVA maximum
Engine:	Briggs & Stratton 6 kW air cooled, single cylinder four cycle piston engine with manual start
Fuel:	Regular grade gasoline, tank capacity 3.8 L to give 4 h duration
Alternator:	Delta connected heavy duty automobile type, belt driven, air cooled
Construction:	Tubular protective carrying frame with resiliently mounted engine and alternator
Size:	51 cm x 48 x 76 cm
Weight (dry):	61 kg

HUNTEC GEOPHYSICS
1750 Brimley Road, Scarborough
Ontario, Canada M1P 4X7
Phone: (416) 299-4100
Telex: 06-963640

P.O. Box 851, Dartmouth
Nova Scotia, Canada B2Y 3Z5
Phone: (902) 463-2380
Telex: 019-31446
LOCATED AT: ARGO BUILDING, BEDFORD INSTITUTE OF OCEANOGRAPHY

APPENDIX II

Data Listings

ANDROTEX LTD. (416) 677-7919 FILE:L0700S02.HEA DATE:27:09:91 USER:02 AREA: 01 SENSE:+ MOVE:+ StnInt: 25 Tx: 2s

LINE:700S ARRAY:PLDP DIPOLE:25 UNITS:M T2X:10000.0 T2Y:10000.0 T=80,80,80,80,80,160,160,160,320,320,320

T1Y	T2Y	R1Y	R2Y	Vp	I	Sp	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	MT
-800.00	*	-775.00	-750.00	3719	0.550	8	10.8	8.3	6.9	5.9	5.0	4.1	3.5	2.8	2.2	1.8	3.8
-800.00	*	-750.00	-725.00	2533	0.550	-1	32.5	25.6	21.6	18.8	16.0	13.3	11.4	9.5	7.6	6.4	12.5
-800.00	*	-725.00	-700.00	1109	0.550	-73	34.6	27.3	23.1	20.2	17.2	14.3	12.3	10.3	8.3	7.0	13.4
-800.00	*	-700.00	-675.00	617	0.550	97	22.0	17.2	14.4	12.5	10.6	8.8	7.5	6.2	5.0	4.2	8.2
-800.00	*	-675.00	-650.00	336	0.550	-27	25.9	20.1	16.8	14.6	12.3	10.2	8.7	7.2	5.8	4.8	9.6
-800.00	*	-650.00	-625.00	262.1	0.550	-13	33.5	26.4	22.3	19.4	16.5	13.8	11.9	9.9	8.0	6.7	12.9
-775.00	*	-750.00	-725.00	6480	0.400	1	27.3	21.3	17.9	15.6	13.2	11.0	9.4	7.8	6.3	5.2	10.3
-775.00	*	-725.00	-700.00	1979	0.400	-76	35.0	27.5	23.3	20.4	17.3	14.5	12.5	10.4	8.4	7.1	13.6
-775.00	*	-700.00	-675.00	882	0.400	97	23.4	18.2	15.3	13.2	11.2	9.2	7.9	6.5	5.2	4.4	8.7
-775.00	*	-675.00	-650.00	476	0.400	-28	28.7	22.3	18.7	16.2	13.7	11.3	9.7	8.0	6.5	5.4	10.7
-775.00	*	-650.00	-625.00	331	0.400	-14	35.7	28.0	23.6	20.7	17.5	14.6	12.5	10.4	8.4	7.0	13.7
-775.00	*	-625.00	-600.00	273.5	0.400	-178	13.5	10.4	8.7	7.6	6.4	5.3	4.5	3.7	3.0	2.5	5.0
-750.00	*	-725.00	-700.00	5604	0.300	-84	39.6	31.3	26.5	23.2	19.8	16.6	14.3	11.9	9.7	8.1	15.5
-750.00	*	-700.00	-675.00	1709	0.300	93	30.5	23.9	20.1	17.6	14.9	12.4	10.7	8.8	7.1	6.0	11.6
-750.00	*	-675.00	-650.00	787	0.300	-29	35.4	27.7	23.3	20.3	17.2	14.3	12.3	10.2	8.2	6.9	13.4
-750.00	*	-650.00	-625.00	496	0.300	-15	43.1	33.9	28.6	25.0	21.2	17.7	15.2	12.7	10.3	8.6	16.6
-750.00	*	-625.00	-600.00	392	0.300	-177	20.0	15.6	13.1	11.4	9.6	8.0	6.9	5.7	4.6	3.8	7.5
-750.00	*	-600.00	-575.00	133.3	0.300	183	16.2	12.9	11.0	9.7	8.3	7.0	6.1	5.1	4.2	3.6	6.6
-725.00	*	-700.00	-675.00	9850	0.500	72	39.8	31.2	26.2	22.8	19.3	16.1	13.8	11.4	9.2	7.6	15.0
-725.00	*	-675.00	-650.00	3140	0.500	-55	45.6	35.8	30.2	26.4	22.4	18.7	16.0	13.3	10.7	9.0	17.5
-725.00	*	-650.00	-625.00	1661	0.500	-21	54.2	42.7	36.1	31.5	26.8	22.4	19.3	16.0	13.0	10.9	20.9
-725.00	*	-625.00	-600.00	1196	0.500	-181	31.0	24.2	20.4	17.7	15.0	12.5	10.7	8.9	7.2	6.0	11.7
-725.00	*	-600.00	-575.00	410	0.500	182	27.6	22.0	18.7	16.4	14.0	11.8	10.2	8.6	7.0	5.8	11.0
-725.00	*	-575.00	-550.00	314	0.500	-10	50.7	40.8	34.9	30.9	26.6	22.4	19.5	16.4	13.4	11.4	20.9
-700.00	*	-675.00	-650.00	14700	0.780	-60	42.7	33.5	28.3	24.7	20.9	17.4	15.0	12.4	10.0	8.3	16.3
-700.00	*	-650.00	-625.00	5096	0.780	-41	55.3	43.6	36.8	32.1	27.3	22.8	19.6	16.3	13.2	11.1	21.4
-700.00	*	-625.00	-600.00	3160	0.780	-191	34.4	26.9	22.6	19.7	16.6	13.8	11.8	9.8	7.9	6.6	13.0
-700.00	*	-600.00	-575.00	1052	0.780	179	31.0	24.6	20.9	18.3	15.6	13.1	11.3	9.5	7.7	6.5	12.3
-700.00	*	-575.00	-550.00	813	0.780	-10	54.3	43.6	37.4	33.0	28.4	24.0	20.8	17.5	14.4	12.2	22.3
-700.00	*	-550.00	-525.00	32.4	0.780	-0	103.2	83.6	71.8	63.6	54.9	46.6	40.6	34.2	28.2	24.0	43.3
-675.00	*	-650.00	-625.00	9620	0.550	-44	43.6	34.2	28.8	25.2	21.3	17.8	15.3	12.6	10.2	8.5	16.6
-675.00	*	-625.00	-600.00	4311	0.550	-189	29.5	23.0	19.3	16.8	14.1	11.7	10.0	8.3	6.7	5.6	11.0
-675.00	*	-600.00	-575.00	1285	0.550	178	26.1	20.6	17.5	15.3	13.0	10.9	9.4	7.8	6.4	5.4	10.2
-675.00	*	-575.00	-550.00	954	0.550	-14	49.7	39.8	34.1	30.1	25.9	21.8	19.0	15.9	13.1	11.1	20.3
-675.00	*	-550.00	-525.00	37.3	0.550	-2	98.8	80.0	68.8	61.0	52.6	44.6	38.9	32.8	27.0	23.0	41.5
-675.00	*	-525.00	-500.00	4.89	0.550	-241	154.2	121.7	103.6	90.8	77.6	65.2	56.3	47.0	38.0	31.6	60.7
-650.00	*	-625.00	-600.00	5915	0.300	-184	33.0	25.6	21.4	18.6	15.6	12.9	11.0	9.1	7.3	6.1	12.2
-650.00	*	-600.00	-575.00	1180	0.300	177	27.6	21.7	18.3	16.0	13.6	11.3	9.8	8.1	6.6	5.5	10.6
-650.00	*	-575.00	-550.00	807	0.300	-8	50.1	40.1	34.2	30.1	25.8	21.8	18.9	15.8	12.9	10.9	20.3
-650.00	*	-550.00	-525.00	29.84	0.300	-6	101.0	81.5	69.9	61.8	53.3	45.1	39.3	33.0	27.2	23.0	42.0
-650.00	*	-525.00	-500.00	2.80	0.300	-222	167.5	134.0	114.4	101.2	86.3	72.9	63.2	52.6	42.4	35.4	67.4
-650.00	*	-500.00	-475.00	3.42	0.300	68	129.6	101.7	86.9	76.4	65.5	55.4	48.2	40.3	33.3	27.9	51.8
-625.00	*	-600.00	-575.00	3963	0.460	172	29.3	22.9	19.3	16.8	14.2	11.8	10.1	8.4	6.7	5.6	11.1
-625.00	*	-575.00	-550.00	2410	0.460	-19	50.9	40.5	34.5	30.3	25.9	21.8	18.8	15.8	12.9	10.9	20.3
-625.00	*	-550.00	-525.00	76.9	0.460	-4	102.2	82.4	70.7	62.5	53.8	45.5	39.6	33.3	27.4	23.3	42.3
-625.00	*	-525.00	-500.00	1.54	0.460	-211	290.1	237.7	206.9	185.0	162.0	139.0	120.9	103.0	85.2	72.8	127.6
-625.00	*	-500.00	-475.00	8.32	0.460	66	121.2	96.9	82.7	72.8	62.5	52.7	45.7	38.3	31.4	26.6	49.1
-625.00	*	-475.00	-450.00	32.2	0.460	-135	92.2	74.3	63.8	56.4	48.7	41.2	36.0	30.3	25.0	21.3	38.4
-600.00	*	-575.00	-550.00	8970	0.700	-29	38.2	30.3	25.8	22.7	19.4	16.3	14.0	11.7	9.6	8.0	15.2
-600.00	*	-550.00	-525.00	225.8	0.700	-4	94.2	76.0	65.2	57.7	49.8	42.2	36.8	31.0	25.5	21.7	39.3
-600.00	*	-525.00	-500.00	9.69	0.700	-201	157.5	128.8	111.5	99.7	86.7	74.3	65.2	55.4	46.0	39.4	68.8
-600.00	*	-500.00	-475.00	17.77	0.700	65	117.0	93.6	79.9	70.5	60.5	51.0	44.2	37.1	30.4	25.7	47.5
-600.00	*	-475.00	-450.00	64.4	0.700	-147	91.8	74.1	63.5	56.2	48.4	41.0	35.7	30.0	24.7	21.0	38.1
-600.00	*	-450.00	-425.00	74.5	0.700	69	72.1	57.2	48.7	42.8	36.6	30.7	26.6	22.2	18.1	15.2	28.7
-575.00	*	-550.00	-525.00	655	0.510	50	79.7	64.0	54.7	48.2	41.4	35.0	30.4	25.5	20.9	17.7	32.6
-575.00	*	-525.00	-500.00	64.2	0.510	-182	112.5	91.0	78.2	69.2	59.7	50.5	44.0	37.0	30.5	25.9	46.9
-575.00	*	-500.00	-475.00	21.26	0.510	61	105.1	84.3	72.1	63.5	54.5	45.9	39.8	33.4	27.4	23.1	42.8

-575.00	*	-475.00	-450.00	65.8	0.510	-162	83.8	67.7	58.1	51.4	44.3	37.5	32.7	27.5	22.7	19.3	34.9
-575.00	*	-450.00	-425.00	68.7	0.510	121	68.9	55.3	47.3	41.8	35.9	30.3	26.3	22.0	18.1	15.2	28.2
-575.00	*	-425.00	-400.00	90.9	0.510	-103	68.8	55.1	47.0	41.4	35.4	29.7	25.3	20.9	17.1	14.6	27.4
-550.00	*	-525.00	-500.00	305.1	0.680	-183	110.5	89.3	76.7	67.8	58.4	49.4	43.0	36.1	29.7	25.2	45.9
-550.00	*	-500.00	-475.00	43.8	0.680	63	109.0	88.0	75.4	66.7	57.4	48.4	42.2	35.4	29.0	24.6	45.0
-550.00	*	-475.00	-450.00	113.0	0.680	-171	84.9	68.8	59.1	52.3	45.2	38.3	33.4	28.1	23.2	19.7	35.6
-550.00	*	-450.00	-425.00	110.3	0.680	144	71.8	57.7	49.4	43.6	37.5	31.7	27.5	23.1	18.9	16.0	29.5
-550.00	*	-425.00	-400.00	141.2	0.680	-59	73.0	58.9	50.5	44.7	38.5	32.6	28.3	23.8	19.6	16.6	30.3
-550.00	*	-400.00	-375.00	114.9	0.680	122	66.4	53.7	46.0	40.7	35.0	29.5	25.7	21.5	17.7	15.0	27.5
-525.00	*	-500.00	-475.00	50.5	0.560	69	114.3	92.7	79.8	70.6	61.0	51.8	45.2	38.2	31.5	26.8	48.1
-525.00	*	-475.00	-450.00	95.3	0.560	-176	86.1	69.8	60.0	53.2	45.9	38.9	33.9	28.6	23.6	20.1	36.2
-525.00	*	-450.00	-425.00	93.9	0.560	158	71.7	57.8	49.4	43.6	37.4	31.6	27.4	23.0	18.9	15.9	29.4
-525.00	*	-425.00	-400.00	124.3	0.560	-3	73.4	59.3	51.0	45.1	39.0	33.1	28.6	24.2	20.0	17.0	30.7
-525.00	*	-400.00	-375.00	97.6	0.560	76	67.4	54.3	46.5	41.0	35.3	29.8	25.7	21.6	17.6	14.8	27.6
-525.00	*	-375.00	-350.00	58.2	0.560	-1	66.7	53.4	45.6	40.1	34.5	29.1	25.1	21.1	17.3	14.6	27.0
-500.00	*	-475.00	-450.00	288.2	0.500	-168	94.1	76.4	65.7	58.3	50.3	42.7	37.3	31.4	26.0	22.1	39.7
-500.00	*	-450.00	-425.00	137.3	0.500	186	81.6	65.8	56.5	50.0	43.0	36.4	31.7	26.7	21.9	18.6	33.9
-500.00	*	-425.00	-400.00	137.4	0.500	-8	79.0	63.9	55.0	48.7	41.9	35.6	31.0	26.0	21.4	18.2	33.0
-500.00	*	-400.00	-375.00	116.6	0.500	84	74.3	59.9	51.4	45.4	39.0	33.0	28.7	24.0	19.7	16.7	30.6
-500.00	*	-375.00	-350.00	76.3	0.500	16	75.1	60.3	51.6	45.5	39.0	32.9	28.6	23.9	19.7	16.6	30.7
-500.00	*	-350.00	-325.00	65.9	0.500	-105	69.3	55.4	47.2	41.5	35.5	29.8	25.8	21.4	17.4	14.6	27.7
-475.00	*	-450.00	-425.00	1326	0.500	188	36.3	29.0	24.8	21.8	18.7	15.8	13.7	11.5	9.4	8.0	14.7
-475.00	*	-425.00	-400.00	434	0.500	-8	71.4	57.5	49.4	43.6	37.5	31.8	27.7	23.3	19.1	16.2	29.6
-475.00	*	-400.00	-375.00	213.0	0.500	81	69.6	56.0	48.0	42.4	36.5	30.8	26.8	22.5	18.4	15.6	28.6
-475.00	*	-375.00	-350.00	109.4	0.500	10	71.0	56.9	48.6	42.8	36.8	31.1	26.9	22.6	18.5	15.7	28.9
-475.00	*	-350.00	-325.00	93.1	0.500	-72	66.9	53.6	45.8	40.4	34.7	29.3	25.3	21.2	17.3	14.7	27.2
-475.00	*	-325.00	-300.00	62.1	0.500	-73	67.8	54.3	46.4	40.9	35.2	29.8	25.8	21.7	17.8	15.1	27.7
-450.00	*	-425.00	-400.00	2640	0.410	-7	40.7	32.4	27.6	24.2	20.7	17.4	15.1	12.6	10.3	8.7	16.3
-450.00	*	-400.00	-375.00	746	0.410	74	42.8	34.2	29.1	25.6	21.9	18.4	16.0	13.3	10.9	9.2	17.2
-450.00	*	-375.00	-350.00	280.9	0.410	8	45.1	35.8	30.5	26.8	22.9	19.3	16.7	13.9	11.4	9.6	18.0
-450.00	*	-350.00	-325.00	227.8	0.410	-57	42.9	34.1	29.0	25.5	21.8	18.3	15.9	13.2	10.8	9.1	17.1
-450.00	*	-325.00	-300.00	141.4	0.410	-88	44.7	35.6	30.4	26.7	22.9	19.3	16.7	14.0	11.4	9.7	18.0
-450.00	*	-300.00	-275.00	*	0.410	*	*	*	*	*	*	*	*	*	*	*	*
-425.00	*	-400.00	-375.00	3678	0.300	71	30.5	23.9	20.2	17.6	14.9	12.4	10.6	8.7	7.0	5.9	11.6
-425.00	*	-375.00	-350.00	968	0.300	4	27.5	21.3	17.9	15.5	13.1	10.9	9.3	7.7	6.2	5.2	10.2
-425.00	*	-350.00	-325.00	652	0.300	-47	23.0	17.8	14.9	12.9	10.9	9.0	7.7	6.3	5.1	4.2	8.5
-425.00	*	-325.00	-300.00	359	0.300	-103	23.5	18.2	15.3	13.3	11.2	9.3	8.0	6.6	5.3	4.5	8.8
-425.00	*	-300.00	-275.00	*	0.300	*	*	*	*	*	*	*	*	*	*	*	*
-425.00	*	-275.00	-250.00	*	0.300	*	*	*	*	*	*	*	*	*	*	*	*
-400.00	*	-375.00	-350.00	2954	0.250	-3	31.1	24.3	20.4	17.8	15.1	12.6	10.8	8.9	7.2	6.0	11.8
-400.00	*	-350.00	-325.00	1368	0.250	-44	21.6	16.8	14.1	12.3	10.4	8.6	7.4	6.1	4.9	4.1	8.1
-400.00	*	-325.00	-300.00	637	0.250	-112	19.7	15.3	12.8	11.1	9.4	7.8	6.6	5.4	4.4	3.7	7.3
-400.00	*	-300.00	-275.00	*	0.250	*	*	*	*	*	*	*	*	*	*	*	*
-400.00	*	-275.00	-250.00	*	0.250	*	*	*	*	*	*	*	*	*	*	*	*
-400.00	*	-250.00	-225.00	*	0.250	*	*	*	*	*	*	*	*	*	*	*	*
-375.00	*	-350.00	-325.00	7680	0.420	9	16.3	12.5	10.4	8.9	7.5	6.2	5.3	4.3	3.4	2.8	5.8
-375.00	*	-325.00	-300.00	2552	0.420	-121	14.7	11.3	9.4	8.1	6.8	5.6	4.7	3.9	3.1	2.6	5.3
-375.00	*	-300.00	-275.00	*	0.420	*	*	*	*	*	*	*	*	*	*	*	*
-375.00	*	-275.00	-250.00	*	0.420	*	*	*	*	*	*	*	*	*	*	*	*
-375.00	*	-250.00	-225.00	*	0.420	*	*	*	*	*	*	*	*	*	*	*	*
-375.00	*	-225.00	-200.00	*	0.420	*	*	*	*	*	*	*	*	*	*	*	*
-350.00	*	-325.00	-300.00	8890	0.550	-131	17.2	13.3	11.1	9.6	8.1	6.7	5.7	4.7	3.7	3.1	6.3
-350.00	*	-300.00	-275.00	*	0.550	*	*	*	*	*	*	*	*	*	*	*	*
-350.00	*	-275.00	-250.00	*	0.550	*	*	*	*	*	*	*	*	*	*	*	*
-350.00	*	-250.00	-225.00	*	0.550	*	*	*	*	*	*	*	*	*	*	*	*
-350.00	*	-225.00	-200.00	*	0.550	*	*	*	*	*	*	*	*	*	*	*	*
-350.00	*	-200.00	-175.00	*	0.550	*	*	*	*	*	*	*	*	*	*	*	*

ANDROTEX LTD. (416) 677-7919 FILE:L0800S02.HEA DATE:27:09:91 USER:02 AREA: 01 SENSE:+ MOVE:+ StnInt: 25 Tx: 2s

LINE:800S ARRAY:PLDP DIPOLE:25 UNITS:M T2X:10000.0 T2Y:10000.0 T=80,80,80,80,80,160,160,160,320,320,320

T1Y	T2Y	R1Y	R2Y	Vp	I	Sp	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	MT
-900.00	*	-875.00	-850.00	1739	0.250	78	7.5	5.7	4.6	4.0	3.3	2.7	2.2	1.8	1.4	1.2	2.6
-900.00	*	-850.00	-825.00	583	0.250	84	5.1	3.9	3.2	2.8	2.3	1.9	1.6	1.4	1.1	0.9	1.8
-900.00	*	-825.00	-800.00	288.3	0.250	-145	3.9	2.9	2.3	1.9	1.6	1.3	1.0	0.8	0.6	0.5	1.2
-900.00	*	-800.00	-775.00	227.3	0.250	115	4.5	3.4	2.7	2.3	1.9	1.5	1.3	1.1	0.8	0.7	1.5
-900.00	*	-775.00	-750.00	233.7	0.250	12	20.9	16.3	13.7	11.9	10.1	8.3	7.1	5.9	4.8	3.9	7.8
-900.00	*	-750.00	-725.00	114.1	0.250	-131	24.0	19.1	16.2	14.2	12.1	10.2	8.8	7.4	6.0	5.1	9.5
-875.00	*	-850.00	-825.00	1310	0.120	78	7.5	5.7	4.7	4.0	3.4	2.8	2.4	1.9	1.5	1.3	2.6
-875.00	*	-825.00	-800.00	313	0.120	-139	4.0	3.0	2.4	2.0	1.7	1.3	1.1	0.9	0.7	0.5	1.3
-875.00	*	-800.00	-775.00	203.3	0.120	110	3.7	2.7	2.3	1.8	1.5	1.2	1.0	0.8	0.6	0.5	1.2
-875.00	*	-775.00	-750.00	194.8	0.120	14	20.0	15.5	13.0	11.3	9.6	7.9	6.8	5.6	4.5	3.8	7.5
-875.00	*	-750.00	-725.00	92.9	0.120	-135	23.1	18.2	15.5	13.5	11.6	9.7	8.4	7.0	5.7	4.8	9.1
-875.00	*	-725.00	-700.00	97.0	0.120	69	37.6	29.3	24.8	21.6	18.3	15.2	13.0	10.7	8.7	7.2	14.2
-850.00	*	-825.00	-800.00	2756	0.250	-134	7.4	5.5	4.5	3.8	3.2	2.6	2.2	1.7	1.4	1.1	2.4
-850.00	*	-800.00	-775.00	764	0.250	108	3.2	2.3	1.9	1.6	1.2	1.0	0.8	0.6	0.5	0.4	1.0
-850.00	*	-775.00	-750.00	589	0.250	11	18.0	13.9	11.6	10.0	8.4	7.0	5.9	4.9	3.9	3.2	6.5
-850.00	*	-750.00	-725.00	269.0	0.250	-138	21.7	17.1	14.5	12.7	10.8	9.0	7.7	6.4	5.2	4.4	8.4
-850.00	*	-725.00	-700.00	272.1	0.250	87	35.8	28.1	23.6	20.6	17.5	14.6	12.5	10.4	8.4	7.0	13.6
-850.00	*	-700.00	-675.00	95.2	0.250	8	37.7	29.7	25.0	21.8	18.5	15.5	13.3	11.0	8.9	7.5	14.5
-825.00	*	-800.00	-775.00	5050	0.500	111	4.9	3.6	2.9	2.5	2.0	1.6	1.3	1.0	0.8	0.6	1.5
-825.00	*	-775.00	-750.00	2050	0.500	12	16.5	12.8	10.7	9.3	7.8	6.5	5.5	4.6	3.6	3.0	6.1
-825.00	*	-750.00	-725.00	832	0.500	-146	20.7	16.3	13.8	12.0	10.2	8.5	7.3	6.1	4.9	4.1	8.0
-825.00	*	-725.00	-700.00	789	0.500	99	34.3	26.8	22.6	19.8	16.7	14.0	12.0	9.9	8.0	6.7	13.1
-825.00	*	-700.00	-675.00	262.6	0.500	3	36.0	28.3	23.8	20.8	17.7	14.7	12.7	10.5	8.5	7.1	13.8
-825.00	*	-675.00	-650.00	272.2	0.500	45	26.6	20.8	17.5	15.3	12.9	10.7	9.2	7.6	6.1	5.1	10.1
-800.00	*	-775.00	-750.00	5829	0.460	20	12.9	9.8	8.2	7.0	5.9	4.8	4.1	3.4	2.7	2.2	4.6
-800.00	*	-750.00	-725.00	1470	0.460	-152	20.9	16.5	13.9	12.2	10.4	8.7	7.5	6.3	5.1	4.3	8.1
-800.00	*	-725.00	-700.00	1200	0.460	112	33.7	26.4	22.2	19.4	16.5	13.7	11.8	9.8	7.9	6.6	12.9
-800.00	*	-700.00	-675.00	358	0.460	-5	34.9	27.4	23.1	20.1	17.1	14.2	12.2	10.1	8.2	6.8	13.3
-800.00	*	-675.00	-650.00	362	0.460	46	24.7	19.3	16.2	14.1	12.0	10.0	8.6	7.1	5.7	4.7	9.3
-800.00	*	-650.00	-625.00	194.1	0.460	-103	24.3	18.8	15.7	13.7	11.6	9.6	8.3	6.9	5.6	4.7	9.1
-775.00	*	-750.00	-725.00	3804	0.350	-154	23.5	18.5	15.6	13.6	11.6	9.7	8.3	6.9	5.6	4.7	9.1
-775.00	*	-725.00	-700.00	2139	0.350	117	38.3	30.1	25.4	22.2	18.9	15.8	13.6	11.3	9.1	7.7	14.8
-775.00	*	-700.00	-675.00	474	0.350	-10	36.9	28.9	24.4	21.3	18.1	15.0	12.9	10.7	8.6	7.2	14.1
-775.00	*	-675.00	-650.00	444	0.350	46	25.7	20.1	16.9	14.7	12.4	10.4	8.9	7.4	6.0	5.0	9.7
-775.00	*	-650.00	-625.00	232.9	0.350	-97	24.1	18.7	15.7	13.7	11.6	9.7	8.3	6.9	5.6	4.7	9.1
-775.00	*	-625.00	-600.00	293.0	0.350	9	13.1	10.4	8.9	7.8	6.7	5.7	4.9	4.1	3.4	2.9	5.3
-750.00	*	-725.00	-700.00	12890	0.460	82	46.0	36.2	30.6	26.7	22.7	19.0	16.3	13.6	11.0	9.2	17.7
-750.00	*	-700.00	-675.00	1710	0.460	-19	50.9	40.3	34.2	30.0	25.6	21.5	18.6	15.5	12.6	10.6	20.1
-750.00	*	-675.00	-650.00	1324	0.460	41	35.8	28.1	23.7	20.7	17.5	14.6	12.5	10.4	8.4	7.0	13.7
-750.00	*	-650.00	-625.00	638	0.460	-95	33.5	26.2	22.1	19.3	16.4	13.6	11.7	9.7	7.9	6.6	12.8
-750.00	*	-625.00	-600.00	764	0.460	6	20.7	16.4	13.9	12.2	10.4	8.7	7.6	6.3	5.1	4.3	8.2
-750.00	*	-600.00	-575.00	451	0.460	-50	12.2	9.6	8.1	7.1	6.1	5.1	4.4	3.7	3.0	2.5	4.8
-725.00	*	-700.00	-675.00	4620	0.570	-18	49.0	38.6	32.6	28.5	24.3	20.2	17.4	14.5	11.7	9.8	18.9
-725.00	*	-675.00	-650.00	2826	0.570	38	37.5	29.4	24.8	21.7	18.4	15.4	13.2	10.9	8.9	7.4	14.4
-725.00	*	-650.00	-625.00	1229	0.570	-98	35.9	28.2	23.7	20.7	17.6	14.7	12.6	10.5	8.5	7.1	13.8
-725.00	*	-625.00	-600.00	1400	0.570	2	23.0	18.2	15.4	13.5	11.5	9.7	8.4	7.0	5.7	4.7	9.0
-725.00	*	-600.00	-575.00	818	0.570	-48	13.6	10.7	9.1	8.0	6.8	5.7	4.9	4.1	3.4	2.8	5.4
-725.00	*	-575.00	-550.00	362	0.570	35	23.8	19.0	16.3	14.3	12.3	10.4	9.1	7.6	6.3	5.4	9.7
-700.00	*	-675.00	-650.00	10900	0.450	15	45.8	36.0	30.3	26.4	22.4	18.7	16.0	13.2	10.7	8.9	17.5
-700.00	*	-650.00	-625.00	2688	0.450	-97	49.6	39.0	32.9	28.7	24.4	20.4	17.5	14.5	11.8	9.9	19.1
-700.00	*	-625.00	-600.00	2446	0.450	-14	35.7	28.2	23.8	20.8	17.7	14.8	12.7	10.6	8.6	7.2	13.8
-700.00	*	-600.00	-575.00	1275	0.450	-28	23.5	18.4	15.6	13.6	11.6	9.7	8.3	6.9	5.6	4.7	9.0
-700.00	*	-575.00	-550.00	547	0.450	15	32.5	25.9	22.0	19.4	16.6	14.0	12.1	10.1	8.3	7.0	13.0
-700.00	*	-550.00	-525.00	84.9	0.450	-55	82.3	66.1	56.7	50.0	42.9	36.2	31.4	26.2	21.4	18.1	33.6
-675.00	*	-650.00	-625.00	9580	0.470	-115	45.4	35.5	29.9	26.1	22.1	18.4	15.8	13.1	10.5	8.8	17.2
-675.00	*	-625.00	-600.00	5468	0.470	-29	37.9	29.8	25.2	22.0	18.7	15.6	13.5	11.2	9.1	7.6	14.6
-675.00	*	-600.00	-575.00	2338	0.470	-25	23.4	18.4	15.5	13.5	11.4	9.5	8.2	6.8	5.5	4.6	8.9

-675.00	*	-575.00	-550.00	938	0.470	6	32.2	25.5	21.7	19.0	16.3	13.6	11.8	9.9	8.1	6.8	12.8
-675.00	*	-550.00	-525.00	141.2	0.470	-28	81.0	65.2	55.8	49.3	42.4	35.8	31.1	26.1	21.4	18.1	33.3
-675.00	*	-525.00	-500.00	13.67	0.470	-75	193.7	159.7	138.7	123.6	107.3	91.6	80.2	67.8	56.3	48.1	84.7
-650.00	*	-625.00	-600.00	17720	0.530	-80	49.5	38.9	32.8	28.6	24.3	20.3	17.4	14.4	11.7	9.7	19.0
-650.00	*	-600.00	-575.00	4832	0.530	-27	26.4	20.8	17.5	15.3	13.0	10.8	9.3	7.7	6.2	5.2	10.1
-650.00	*	-575.00	-550.00	1743	0.530	-1	33.3	26.4	22.4	19.6	16.8	14.1	12.2	10.2	8.3	7.0	13.2
-650.00	*	-550.00	-525.00	252.7	0.530	-22	80.9	65.0	55.6	49.1	42.2	35.6	30.9	25.9	21.2	17.9	33.1
-650.00	*	-525.00	-500.00	23.23	0.530	-91	194.6	159.7	138.6	123.5	107.4	91.8	80.4	68.2	56.7	48.6	85.0
-650.00	*	-500.00	-475.00	8.05	0.530	60	196.9	149.3	123.6	106.1	88.5	71.9	60.5	48.8	38.3	31.4	67.8
-625.00	*	-600.00	-575.00	4275	0.250	-37	28.1	22.0	18.5	16.2	13.7	11.4	9.8	8.1	6.6	5.5	10.7
-625.00	*	-575.00	-550.00	1297	0.250	24	31.5	24.8	21.0	18.4	15.7	13.1	11.3	9.4	7.7	6.5	12.3
-625.00	*	-550.00	-525.00	180.2	0.250	-12	78.5	62.9	53.7	47.4	40.6	34.2	29.7	24.8	20.3	17.2	31.9
-625.00	*	-525.00	-500.00	16.02	0.250	-107	194.7	159.7	138.5	123.3	107.0	91.5	80.1	67.9	56.4	48.2	84.7
-625.00	*	-500.00	-475.00	4.78	0.250	115	153.9	120.0	101.5	89.1	76.2	64.0	55.4	46.1	37.4	31.5	59.8
-625.00	*	-475.00	-450.00	6.25	0.250	-119	104.3	82.5	69.6	60.6	51.1	42.3	35.9	28.8	22.5	18.3	38.8
-600.00	*	-575.00	-550.00	6770	0.500	34	25.0	19.8	16.9	14.8	12.6	10.6	9.1	7.6	6.2	5.2	9.9
-600.00	*	-550.00	-525.00	807	0.500	-19	71.3	57.3	49.0	43.2	37.1	31.3	27.2	22.8	18.7	15.8	29.1
-600.00	*	-525.00	-500.00	66.1	0.500	-106	188.4	154.9	134.4	119.8	104.0	88.9	77.8	66.0	54.8	46.9	82.3
-600.00	*	-500.00	-475.00	14.67	0.500	119	135.7	108.4	92.7	81.8	70.2	59.2	51.3	43.0	35.3	29.8	55.1
-600.00	*	-475.00	-450.00	20.55	0.500	-97	103.7	84.0	72.2	63.9	55.1	46.6	40.5	34.0	27.9	23.6	43.2
-600.00	*	-450.00	-425.00	31.51	0.500	-28	76.3	60.9	52.1	46.0	39.5	33.4	29.2	24.6	20.3	17.3	31.3
-575.00	*	-550.00	-525.00	3099	0.380	-25	50.1	39.6	33.5	29.3	24.9	20.8	17.9	14.9	12.0	10.1	19.4
-575.00	*	-525.00	-500.00	175.0	0.380	-109	171.7	140.9	122.2	108.8	94.5	80.6	70.6	59.8	49.6	42.4	74.6
-575.00	*	-500.00	-475.00	20.76	0.380	121	126.2	101.5	86.9	76.7	65.9	55.7	48.4	40.6	33.3	28.2	51.8
-575.00	*	-475.00	-450.00	22.42	0.380	-80	108.7	87.9	75.5	66.8	57.5	48.8	42.4	35.6	29.3	24.7	45.2
-575.00	*	-450.00	-425.00	30.71	0.380	-56	77.2	62.2	53.4	47.3	40.7	34.6	30.1	25.4	21.0	17.9	32.2
-575.00	*	-425.00	-400.00	29.86	0.380	50	61.2	48.8	41.5	36.4	31.1	26.1	22.4	18.6	15.0	12.5	24.2
-550.00	*	-525.00	-500.00	769	0.440	-116	164.8	135.4	117.4	104.6	90.8	77.5	67.8	57.4	47.6	40.6	71.7
-550.00	*	-500.00	-475.00	44.4	0.440	124	125.6	102.0	87.7	77.6	66.9	56.7	49.3	41.5	34.1	29.0	52.6
-550.00	*	-475.00	-450.00	35.3	0.440	-70	116.6	94.9	81.8	72.6	62.6	53.1	46.3	39.0	32.1	27.3	49.3
-550.00	*	-450.00	-425.00	42.6	0.440	-82	81.8	66.3	57.0	50.5	43.6	36.9	32.2	27.1	22.4	19.1	34.3
-550.00	*	-425.00	-400.00	38.7	0.440	100	62.9	50.6	43.3	38.2	32.7	27.5	23.9	19.9	16.2	13.6	25.5
-550.00	*	-400.00	-375.00	44.3	0.440	-20	55.5	44.8	38.4	33.9	29.2	24.7	21.5	18.0	14.8	12.6	23.0
-525.00	*	-500.00	-475.00	265.1	0.480	123	157.0	129.2	112.1	99.9	86.8	74.2	65.0	55.1	45.7	39.0	68.6
-525.00	*	-475.00	-450.00	93.4	0.480	-67	156.7	128.9	111.9	99.7	86.6	74.0	64.8	54.9	45.6	39.0	68.5
-525.00	*	-450.00	-425.00	72.6	0.480	-101	110.2	90.0	77.8	69.1	59.9	51.0	44.5	37.6	31.1	26.6	47.2
-525.00	*	-425.00	-400.00	50.8	0.480	129	78.4	63.4	54.6	48.2	41.6	35.2	30.6	25.6	21.0	17.9	32.6
-525.00	*	-400.00	-375.00	53.3	0.480	-15	63.9	51.7	44.6	39.4	34.0	28.8	25.0	21.1	17.4	14.8	26.7
-525.00	*	-375.00	-350.00	59.1	0.480	53	58.0	46.3	39.7	34.9	29.9	25.3	21.8	18.3	15.0	12.7	23.5
-500.00	*	-475.00	-450.00	536	0.600	-63	117.0	95.0	81.8	72.5	62.6	53.1	46.3	39.0	32.2	27.3	49.3
-500.00	*	-450.00	-425.00	255.9	0.600	-123	94.7	76.6	65.7	58.1	50.1	42.4	36.8	31.0	25.4	21.6	39.3
-500.00	*	-425.00	-400.00	105.7	0.600	158	82.7	66.6	57.1	50.5	43.4	36.7	31.8	26.7	21.9	18.5	34.1
-500.00	*	-400.00	-375.00	85.2	0.600	-11	70.3	56.7	48.7	43.1	37.1	31.4	27.3	23.0	18.9	16.0	29.2
-500.00	*	-375.00	-350.00	84.4	0.600	52	62.8	50.3	43.0	38.0	32.5	27.4	23.8	19.9	16.3	13.8	25.5
-500.00	*	-350.00	-325.00	*	0.600	*	*	*	*	*	*	*	*	*	*	*	*
-475.00	*	-450.00	-425.00	3495	0.350	-144	54.4	43.4	37.0	32.4	27.8	23.4	20.2	16.9	13.8	11.6	21.8
-475.00	*	-425.00	-400.00	686	0.350	172	61.9	49.3	42.1	37.0	31.7	26.7	23.2	19.4	15.8	13.4	24.9
-475.00	*	-400.00	-375.00	262.8	0.350	-10	64.1	51.3	43.8	38.6	33.1	27.9	24.2	20.3	16.6	14.1	26.0
-475.00	*	-375.00	-350.00	136.0	0.350	48	65.7	52.3	44.5	39.1	33.6	28.2	24.4	20.4	16.7	14.1	26.3
-475.00	*	-350.00	-325.00	*	0.350	*	*	*	*	*	*	*	*	*	*	*	*
-475.00	*	-325.00	-300.00	*	0.350	*	*	*	*	*	*	*	*	*	*	*	*
-450.00	*	-425.00	-400.00	4197	0.450	182	27.7	21.8	18.4	16.0	13.6	11.4	9.8	8.1	6.6	5.5	10.7
-450.00	*	-400.00	-375.00	1279	0.450	-11	33.6	26.5	22.4	19.6	16.7	14.0	12.1	10.1	8.2	6.9	13.1
-450.00	*	-375.00	-350.00	514	0.450	46	39.6	31.1	26.3	23.0	19.6	16.4	14.1	11.7	9.5	8.0	15.3
-450.00	*	-350.00	-325.00	*	0.450	*	*	*	*	*	*	*	*	*	*	*	*
-450.00	*	-325.00	-300.00	*	0.450	*	*	*	*	*	*	*	*	*	*	*	*
-450.00	*	-300.00	-275.00	*	0.450	*	*	*	*	*	*	*	*	*	*	*	*
-425.00	*	-400.00	-375.00	7780	0.360	-9	16.5	12.7	10.6	9.1	7.7	6.3	5.4	4.4	3.5	2.9	6.0
-425.00	*	-375.00	-350.00	1748	0.360	41	22.3	17.0	14.1	12.2	10.2	8.4	7.2	5.9	4.7	3.9	8.0
-425.00	*	-350.00	-325.00	*	0.360	*	*	*	*	*	*	*	*	*	*	*	*

-425.00	*	-325.00	-300.00	*	0.360	*	*	*	*	*	*	*	*	*	*	*	*
-425.00	*	-300.00	-275.00	*	0.360	*	*	*	*	*	*	*	*	*	*	*	*
-425.00	*	-275.00	-250.00	*	0.360	*	*	*	*	*	*	*	*	*	*	*	*
-400.00	*	-375.00	-350.00	5912	0.350	41	18.4	13.9	11.4	9.8	8.2	6.7	5.6	4.6	3.6	2.9	6.3
-400.00	*	-350.00	-325.00	*	0.350	*	*	*	*	*	*	*	*	*	*	*	*
-400.00	*	-325.00	-300.00	*	0.350	*	*	*	*	*	*	*	*	*	*	*	*
-400.00	*	-300.00	-275.00	*	0.350	*	*	*	*	*	*	*	*	*	*	*	*
-400.00	*	-275.00	-250.00	*	0.350	*	*	*	*	*	*	*	*	*	*	*	*
-400.00	*	-250.00	-225.00	*	0.350	*	*	*	*	*	*	*	*	*	*	*	*

ANDROTEX LTD. (416) 677-7919 FILE:L0900S02.HEA DATE:28:09:91 USER:02 AREA: 01 SENSE:+ MOVE:+ StnInt: 25 Tx: 2s

LINE:900S ARRAY:PLDP DIPOLE:25 UNITS:M T2X:10000.0 T2Y:10000.0 T=80,80,80,80,80,160,160,160,320,320,320

T1Y	T2Y	R1Y	R2Y	Vp	I	Sp	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	MT
-900.00	*	-875.00	-850.00	7740	0.600	100	9.4	7.1	5.8	5.0	4.2	3.4	2.9	2.4	1.9	1.5	3.2
-900.00	*	-850.00	-825.00	2171	0.600	-10	7.1	5.2	4.1	3.5	2.9	2.3	2.0	1.6	1.3	1.1	2.3
-900.00	*	-825.00	-800.00	911	0.600	-13	5.1	4.0	3.4	3.0	2.6	2.1	1.8	1.5	1.2	1.0	1.9
-900.00	*	-800.00	-775.00	776	0.600	51	7.9	6.1	5.0	4.3	3.6	3.0	2.5	2.0	1.6	1.3	2.8
-900.00	*	-775.00	-750.00	296	0.600	-57	9.3	7.3	6.1	5.3	4.5	3.7	3.2	2.6	2.1	1.7	3.4
-900.00	*	-750.00	-725.00	295	0.600	58	12.5	10.1	8.6	7.6	6.5	5.4	4.6	3.9	3.1	2.6	5.0
-875.00	*	-850.00	-825.00	787	0.060	-10	11.8	7.4	5.6	4.5	3.5	2.8	2.3	1.8	1.4	1.1	2.9
-875.00	*	-825.00	-800.00	192.1	0.060	-18	5.2	2.9	2.8	2.8	2.5	2.2	1.9	1.5	1.2	1.0	1.9
-875.00	*	-800.00	-775.00	141.9	0.060	48	3.6	4.1	3.5	2.9	2.4	1.9	1.5	1.2	0.9	0.8	1.7
-875.00	*	-775.00	-750.00	49.8	0.060	-58	2.6	3.6	3.3	2.9	2.5	2.1	1.8	1.5	1.2	1.0	1.8
-875.00	*	-750.00	-725.00	47.5	0.060	56	-6.5	-0.8	1.0	1.8	2.2	2.4	2.4	2.2	1.9	1.7	1.5
-875.00	*	-725.00	-700.00	23.42	0.060	-40	13.1	12.7	11.6	10.7	9.4	8.2	7.1	6.0	4.9	4.1	7.1
-850.00	*	-825.00	-800.00	5275	0.550	-12	7.1	5.1	4.1	3.5	2.9	2.3	1.9	1.5	1.2	1.0	2.2
-850.00	*	-800.00	-775.00	2346	0.550	42	7.3	5.6	4.5	3.9	3.2	2.7	2.2	1.8	1.5	1.2	2.5
-850.00	*	-775.00	-750.00	694	0.550	-55	6.6	4.9	4.0	3.4	2.8	2.3	1.9	1.6	1.3	1.1	2.2
-850.00	*	-750.00	-725.00	607	0.550	53	10.7	8.4	7.0	6.1	5.2	4.3	3.6	3.0	2.4	2.0	4.0
-850.00	*	-725.00	-700.00	285.6	0.550	-38	18.4	14.9	12.8	11.3	9.7	8.1	7.1	5.9	4.8	4.0	7.5
-850.00	*	-700.00	-675.00	149.9	0.550	3	30.5	24.2	20.5	18.0	15.4	12.9	11.2	9.4	7.7	6.5	12.1
-825.00	*	-800.00	-775.00	1292	0.060	45	11.2	8.1	6.7	5.7	4.8	3.9	3.3	2.7	2.1	1.8	3.7
-825.00	*	-775.00	-750.00	199.8	0.060	-57	6.3	4.7	3.7	3.1	2.5	1.9	1.6	1.2	0.9	0.8	1.9
-825.00	*	-750.00	-725.00	127.4	0.060	52	4.6	4.5	4.1	3.8	3.3	2.9	2.5	2.1	1.7	1.5	2.5
-825.00	*	-725.00	-700.00	56.8	0.060	-38	15.1	12.3	10.5	9.3	8.0	6.7	5.8	4.9	3.9	3.2	6.2
-825.00	*	-700.00	-675.00	27.90	0.060	6	26.4	20.9	17.7	15.5	13.3	11.1	9.6	8.0	6.5	5.3	10.3
-825.00	*	-675.00	-650.00	15.56	0.060	-54	41.6	33.2	28.2	24.9	21.4	18.0	15.6	13.1	10.7	8.9	16.8
-800.00	*	-775.00	-750.00	7080	0.550	-51	5.3	3.7	2.9	2.4	1.9	1.5	1.2	0.9	0.7	0.6	1.5
-800.00	*	-750.00	-725.00	1994	0.550	48	7.8	5.9	4.9	4.2	3.5	2.9	2.5	2.0	1.6	1.4	2.8
-800.00	*	-725.00	-700.00	788	0.550	-36	12.6	10.0	8.4	7.3	6.2	5.2	4.5	3.7	3.0	2.5	4.9
-800.00	*	-700.00	-675.00	348	0.550	5	22.1	17.4	14.7	12.9	11.0	9.2	8.0	6.7	5.5	4.6	8.7
-800.00	*	-675.00	-650.00	171.2	0.550	-56	37.6	30.0	25.6	22.5	19.3	16.2	14.1	11.8	9.6	8.1	15.1
-800.00	*	-650.00	-625.00	403	0.550	37	42.9	34.0	28.9	25.4	21.8	18.3	15.9	13.3	10.9	9.2	17.1
-775.00	*	-750.00	-725.00	2659	0.250	50	8.2	6.1	4.9	4.2	3.5	2.8	2.4	1.9	1.5	1.3	2.7
-775.00	*	-725.00	-700.00	719	0.250	-39	10.7	8.3	6.9	6.0	5.0	4.2	3.5	2.9	2.4	1.9	3.9
-775.00	*	-700.00	-675.00	266.1	0.250	1	17.7	13.8	11.6	10.1	8.6	7.2	6.2	5.1	4.2	3.5	6.7
-775.00	*	-675.00	-650.00	110.5	0.250	-52	33.2	26.3	22.3	19.6	16.7	14.0	12.1	10.1	8.2	6.8	13.1
-775.00	*	-650.00	-625.00	252.7	0.250	39	39.3	31.2	26.5	23.3	19.9	16.7	14.4	12.0	9.8	8.2	15.5
-775.00	*	-625.00	-600.00	179.5	0.250	-7	43.6	34.7	29.6	26.0	22.3	18.8	16.2	13.5	11.0	9.3	17.4
-750.00	*	-725.00	-700.00	913	0.100	-38	10.2	7.3	5.8	4.9	4.1	3.3	2.8	2.2	1.7	1.5	3.2
-750.00	*	-700.00	-675.00	227.1	0.100	-7	14.2	10.6	8.7	7.5	6.3	5.2	4.4	3.7	3.0	2.5	5.0
-750.00	*	-675.00	-650.00	75.1	0.100	-43	27.7	21.5	18.1	15.8	13.4	11.2	9.6	8.0	6.4	5.4	10.5
-750.00	*	-650.00	-625.00	161.9	0.100	42	35.0	27.4	23.1	20.2	17.2	14.4	12.4	10.3	8.4	7.0	13.5
-750.00	*	-625.00	-600.00	109.3	0.100	-5	39.7	31.3	26.5	23.2	19.9	16.7	14.4	12.0	9.8	8.3	15.6
-750.00	*	-600.00	-575.00	31.83	0.100	-20	51.4	41.2	35.2	31.0	26.7	22.6	19.6	16.5	13.5	11.5	21.0
-725.00	*	-700.00	-675.00	5279	0.550	27	8.9	6.7	5.6	4.8	4.0	3.3	2.8	2.4	1.9	1.6	3.2
-725.00	*	-675.00	-650.00	810	0.550	-68	17.7	13.9	11.8	10.3	8.8	7.4	6.4	5.3	4.3	3.7	6.9
-725.00	*	-650.00	-625.00	1435	0.550	54	26.4	20.9	17.7	15.5	13.2	11.1	9.5	7.9	6.5	5.5	10.3
-725.00	*	-625.00	-600.00	899	0.550	-5	32.0	25.5	21.7	19.1	16.3	13.7	11.9	9.9	8.1	6.8	12.8
-725.00	*	-600.00	-575.00	202.1	0.550	-33	42.0	33.6	28.7	25.3	21.7	18.3	15.8	13.3	10.8	9.1	17.0
-725.00	*	-575.00	-550.00	29.41	0.550	-113	45.3	37.1	32.0	28.5	24.6	20.9	18.2	15.4	12.8	10.9	19.4
-700.00	*	-675.00	-650.00	2142	0.510	-65	10.4	8.0	6.7	5.8	4.9	4.1	3.5	2.9	2.3	1.9	3.8
-700.00	*	-650.00	-625.00	2639	0.510	49	18.8	14.6	12.3	10.7	9.1	7.5	6.5	5.4	4.3	3.6	7.1
-700.00	*	-625.00	-600.00	1504	0.510	-2	23.5	18.5	15.6	13.7	11.6	9.7	8.4	7.0	5.7	4.8	9.1
-700.00	*	-600.00	-575.00	308	0.510	-13	33.6	26.8	22.8	20.0	17.1	14.4	12.5	10.4	8.5	7.2	13.4
-700.00	*	-575.00	-550.00	46.5	0.510	-111	40.7	32.9	28.2	25.0	21.5	18.2	15.8	13.3	10.9	9.3	16.9
-700.00	*	-550.00	-525.00	25.23	0.510	104	170.3	137.1	117.6	103.8	89.3	75.7	66.3	55.3	45.4	38.6	70.4
-675.00	*	-650.00	-625.00	6240	0.590	55	14.2	10.8	9.0	7.8	6.5	5.4	4.6	3.7	3.0	2.5	5.1
-675.00	*	-625.00	-600.00	3085	0.590	-14	17.9	13.9	11.6	10.1	8.5	7.1	6.0	5.0	4.0	3.4	6.6
-675.00	*	-600.00	-575.00	577	0.590	8	27.2	21.5	18.2	15.9	13.6	11.4	9.8	8.2	6.7	5.7	10.7

-675.00	*	-575.00	-550.00	88.9	0.590	-107	38.6	30.8	26.3	23.2	19.9	16.8	14.6	12.2	10.0	8.5	15.6
-675.00	*	-550.00	-525.00	37.1	0.590	80	164.5	132.7	113.9	100.7	86.7	73.3	63.7	53.5	43.9	37.3	68.1
-675.00	*	-525.00	-500.00	11.14	0.590	-178	162.2	128.7	108.7	94.6	79.9	66.1	56.6	46.4	37.4	31.2	61.8
-650.00	*	-625.00	-600.00	12890	0.800	-7	12.0	9.2	7.7	6.6	5.5	4.6	3.9	3.2	2.5	2.1	4.3
-650.00	*	-600.00	-575.00	1843	0.800	14	18.8	14.8	12.5	10.9	9.3	7.7	6.6	5.5	4.5	3.7	7.2
-650.00	*	-575.00	-550.00	288.3	0.800	-104	34.8	27.8	23.7	20.9	17.9	15.1	13.1	10.9	9.0	7.6	14.0
-650.00	*	-550.00	-525.00	66.9	0.800	71	160.7	129.4	110.8	97.8	84.0	70.9	61.6	51.6	42.3	35.8	65.9
-650.00	*	-525.00	-500.00	23.99	0.800	-146	149.4	119.9	102.4	90.3	77.4	65.1	56.3	47.0	38.2	32.1	60.4
-650.00	*	-500.00	-475.00	15.94	0.800	-43	129.2	103.1	87.9	77.5	66.4	56.0	48.6	40.7	33.5	28.5	52.3
-625.00	*	-600.00	-575.00	2937	0.330	25	14.3	11.1	9.3	8.1	6.8	5.6	4.8	4.0	3.1	2.6	5.3
-625.00	*	-575.00	-550.00	381	0.330	-101	32.8	26.1	22.2	19.5	16.7	14.0	12.1	10.2	8.3	7.0	13.1
-625.00	*	-550.00	-525.00	56.2	0.330	59	156.6	126.1	107.9	95.2	81.7	68.9	59.7	49.9	40.8	34.5	64.0
-625.00	*	-525.00	-500.00	23.08	0.330	-119	140.0	112.3	95.8	84.4	72.2	60.7	52.5	43.7	35.5	29.8	56.3
-625.00	*	-500.00	-475.00	13.90	0.330	-74	123.1	98.1	83.5	73.4	62.7	52.7	45.5	37.9	30.8	26.0	49.0
-625.00	*	-475.00	-450.00	10.80	0.330	120	92.7	73.6	62.3	54.6	46.2	38.4	32.6	26.5	20.8	16.8	35.2
-600.00	*	-575.00	-550.00	4875	0.780	-103	24.0	19.1	16.3	14.3	12.2	10.3	8.9	7.5	6.1	5.1	9.6
-600.00	*	-550.00	-525.00	252.7	0.780	52	161.5	130.3	111.7	98.6	84.8	71.6	62.1	52.1	42.7	36.1	66.5
-600.00	*	-525.00	-500.00	105.8	0.780	-110	138.6	111.3	95.1	83.8	71.8	60.5	52.4	43.9	35.8	30.3	56.3
-600.00	*	-500.00	-475.00	56.5	0.780	-90	127.0	101.5	86.5	76.1	65.2	54.8	47.4	39.6	32.4	27.3	51.1
-600.00	*	-475.00	-450.00	33.8	0.780	137	95.1	75.9	64.7	56.8	48.6	40.8	35.2	29.3	23.9	20.1	38.0
-600.00	*	-450.00	-425.00	62.7	0.780	8	74.1	59.2	50.6	44.6	38.3	32.3	28.0	23.6	19.3	16.3	30.1
-575.00	*	-550.00	-525.00	500	0.870	47	134.5	108.8	93.4	82.5	71.0	60.0	52.1	43.7	35.8	30.3	55.6
-575.00	*	-525.00	-500.00	177.3	0.870	-100	128.6	103.7	88.8	78.4	67.3	56.8	49.2	41.2	33.7	28.5	52.7
-575.00	*	-500.00	-475.00	86.0	0.870	-106	120.6	96.8	82.7	72.8	62.3	52.4	45.4	37.9	30.9	26.1	48.8
-575.00	*	-475.00	-450.00	41.6	0.870	152	93.3	74.6	63.7	56.0	47.8	40.1	34.7	28.9	23.5	19.8	37.3
-575.00	*	-450.00	-425.00	78.6	0.870	24	73.8	59.4	51.0	45.0	38.6	32.6	28.4	23.8	19.5	16.5	30.4
-575.00	*	-425.00	-400.00	84.3	0.870	-67	53.6	42.6	36.3	32.0	27.2	22.9	19.8	16.4	13.4	11.3	21.3
-550.00	*	-525.00	-500.00	1389	0.680	-99	77.8	62.9	54.0	47.8	41.1	34.8	30.2	25.3	20.7	17.5	32.2
-550.00	*	-500.00	-475.00	472	0.680	-117	74.2	59.7	51.1	45.1	38.6	32.5	28.2	23.5	19.2	16.2	30.2
-550.00	*	-475.00	-450.00	90.4	0.680	158	78.6	62.9	53.6	47.1	40.3	33.8	29.1	24.2	19.7	16.6	31.4
-550.00	*	-450.00	-425.00	104.3	0.680	31	79.2	63.7	54.5	48.1	41.3	34.8	30.2	25.3	20.7	17.6	32.4
-550.00	*	-425.00	-400.00	88.8	0.680	-55	59.4	47.4	40.5	35.5	30.5	25.6	22.1	18.5	15.1	12.7	23.8
-550.00	*	-400.00	-375.00	77.3	0.680	9	65.7	52.6	44.9	39.4	33.9	28.4	24.6	20.6	16.8	14.2	26.5
-525.00	*	-500.00	-475.00	4000	0.400	-135	55.2	44.4	38.0	33.5	28.8	24.3	21.1	17.7	14.5	12.3	22.6
-525.00	*	-475.00	-450.00	266.2	0.400	164	77.3	62.1	53.2	46.9	40.2	33.9	29.3	24.5	20.0	16.9	31.5
-525.00	*	-450.00	-425.00	212.0	0.400	33	89.8	72.5	62.3	55.1	47.4	40.1	34.9	29.3	24.1	20.4	37.3
-525.00	*	-425.00	-400.00	125.1	0.400	-51	72.7	58.3	49.9	44.0	37.9	31.9	27.7	23.2	19.0	16.1	29.7
-525.00	*	-400.00	-375.00	82.1	0.400	14	80.8	65.1	55.9	49.3	42.4	35.8	31.1	26.2	21.5	18.2	33.3
-525.00	*	-375.00	-350.00	*	0.400	*	*	*	*	*	*	*	*	*	*	*	*
-500.00	*	-475.00	-450.00	847	0.450	168	56.0	44.8	38.2	33.7	28.8	24.3	21.0	17.5	14.3	12.1	22.6
-500.00	*	-450.00	-425.00	569	0.450	27	76.1	61.4	52.7	46.6	40.1	34.0	29.5	24.9	20.4	17.3	31.6
-500.00	*	-425.00	-400.00	283.2	0.450	-43	63.4	50.9	43.5	38.4	33.0	27.8	24.1	20.2	16.6	14.1	25.9
-500.00	*	-400.00	-375.00	158.9	0.450	14	76.9	62.0	53.1	46.9	40.3	34.1	29.6	24.9	20.4	17.3	31.7
-500.00	*	-375.00	-350.00	*	0.450	*	*	*	*	*	*	*	*	*	*	*	*
-500.00	*	-350.00	-325.00	*	0.450	*	*	*	*	*	*	*	*	*	*	*	*
-475.00	*	-450.00	-425.00	2321	0.520	22	55.8	45.0	38.7	34.2	29.5	25.0	21.7	18.3	15.1	12.8	23.2
-475.00	*	-425.00	-400.00	746	0.520	-44	47.5	37.9	32.4	28.5	24.4	20.5	17.8	14.9	12.2	10.3	19.1
-475.00	*	-400.00	-375.00	362	0.520	11	65.0	52.2	44.6	39.3	33.7	28.4	24.6	20.6	16.9	14.3	26.4
-475.00	*	-375.00	-350.00	*	0.520	*	*	*	*	*	*	*	*	*	*	*	*
-475.00	*	-350.00	-325.00	*	0.520	*	*	*	*	*	*	*	*	*	*	*	*
-475.00	*	-325.00	-300.00	*	0.520	*	*	*	*	*	*	*	*	*	*	*	*
-450.00	*	-425.00	-400.00	2390	0.370	-39	35.4	28.2	24.0	21.1	18.1	15.2	13.2	11.0	9.1	7.6	14.2
-450.00	*	-400.00	-375.00	714	0.370	13	54.5	43.6	37.2	32.8	28.1	23.7	20.6	17.2	14.1	11.9	22.1
-450.00	*	-375.00	-350.00	*	0.370	*	*	*	*	*	*	*	*	*	*	*	*
-450.00	*	-350.00	-325.00	*	0.370	*	*	*	*	*	*	*	*	*	*	*	*
-450.00	*	-325.00	-300.00	*	0.370	*	*	*	*	*	*	*	*	*	*	*	*
-450.00	*	-300.00	-275.00	*	0.370	*	*	*	*	*	*	*	*	*	*	*	*
-425.00	*	-400.00	-375.00	1705	0.200	12	40.9	32.2	27.3	23.8	20.3	16.9	14.6	12.1	9.8	8.2	15.8
-425.00	*	-375.00	-350.00	*	0.200	*	*	*	*	*	*	*	*	*	*	*	*
-425.00	*	-350.00	-325.00	*	0.200	*	*	*	*	*	*	*	*	*	*	*	*

-425.00	*	-325.00	-300.00	*	0.200	*	*	*	*	*	*	*	*	*	*	*	*
-425.00	*	-300.00	-275.00	*	0.200	*	*	*	*	*	*	*	*	*	*	*	*
-425.00	*	-275.00	-250.00	*	0.200	*	*	*	*	*	*	*	*	*	*	*	*

ANDROTEX LTD. (416) 677-7919 FILE:L1000S02.HEA DATE:28:09:91 USER:02 AREA: 01 SENSE:+ MOVE:+ StnInt: 25 Tx: 2s
LINE:1000S ARRAY:PLDP DIPOLE:25 UNITS:M T2X:10000.0 T2Y:10000.0 T=80,80,80,80,80,160,160,160,320,320,320

T1Y	T2Y	R1Y	R2Y	Vp	I	Sp	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	MT
-825.00	*	-800.00	-775.00	3867	0.300	78	8.4	6.2	5.0	4.2	3.4	2.8	2.3	1.8	1.4	1.1	2.6
-825.00	*	-775.00	-750.00	757	0.300	-43	10.4	8.0	6.6	5.7	4.8	3.9	3.4	2.8	2.2	1.8	3.7
-825.00	*	-750.00	-725.00	267.0	0.300	-10	19.4	15.2	12.8	11.2	9.5	7.9	6.7	5.6	4.5	3.8	7.4
-825.00	*	-725.00	-700.00	111.2	0.300	27	29.8	23.6	20.0	17.6	15.0	12.6	10.8	9.0	7.3	6.1	11.7
-825.00	*	-700.00	-675.00	99.3	0.300	57	41.1	32.7	27.7	24.3	20.8	17.4	15.0	12.4	10.0	8.4	16.2
-825.00	*	-675.00	-650.00	107.7	0.300	-54	49.1	39.0	33.1	28.9	24.7	20.6	17.7	14.7	11.9	9.9	19.2
-800.00	*	-775.00	-750.00	2906	0.350	-43	7.2	5.4	4.4	3.8	3.1	2.6	2.2	1.7	1.4	1.2	2.4
-800.00	*	-750.00	-725.00	670	0.350	-9	14.2	11.0	9.2	8.0	6.8	5.6	4.8	4.0	3.2	2.7	5.3
-800.00	*	-725.00	-700.00	234.0	0.350	24	23.7	18.8	15.9	13.9	11.9	10.0	8.6	7.2	5.8	4.9	9.3
-800.00	*	-700.00	-675.00	180.3	0.350	59	37.4	29.7	25.3	22.2	19.0	15.9	13.8	11.5	9.4	7.9	14.9
-800.00	*	-675.00	-650.00	179.6	0.350	-52	46.3	36.8	31.4	27.5	23.5	19.8	17.1	14.3	11.6	9.8	18.4
-800.00	*	-650.00	-625.00	108.3	0.350	1	60.0	48.1	41.1	36.2	31.1	26.3	22.8	19.1	15.6	13.2	24.4
-775.00	*	-750.00	-725.00	753	0.100	-9	10.2	7.8	6.4	5.5	4.6	3.8	3.3	2.7	2.1	1.8	3.6
-775.00	*	-725.00	-700.00	162.3	0.100	25	14.7	11.5	9.6	8.4	7.1	5.9	5.1	4.3	3.4	2.9	5.6
-775.00	*	-700.00	-675.00	87.5	0.100	57	28.8	22.7	19.2	16.8	14.3	11.9	10.3	8.5	6.9	5.7	11.1
-775.00	*	-675.00	-650.00	74.7	0.100	-52	40.3	32.0	27.0	23.8	20.2	17.0	14.7	12.2	9.9	8.3	15.8
-775.00	*	-650.00	-625.00	41.6	0.100	5	56.3	45.2	38.5	33.9	29.1	24.5	21.3	17.8	14.6	12.2	22.8
-775.00	*	-625.00	-600.00	24.17	0.100	17	68.1	54.9	46.9	41.5	35.6	30.0	26.1	21.9	17.9	15.0	27.9
-750.00	*	-725.00	-700.00	3165	0.450	51	9.2	7.0	5.8	5.0	4.2	3.5	3.0	2.5	2.0	1.7	3.3
-750.00	*	-700.00	-675.00	926	0.450	54	19.1	15.0	12.6	11.0	9.3	7.8	6.7	5.6	4.5	3.8	7.3
-750.00	*	-675.00	-650.00	589	0.450	-50	31.0	24.4	20.7	18.1	15.4	12.8	11.1	9.2	7.5	6.3	12.0
-750.00	*	-650.00	-625.00	290.0	0.450	5	48.9	39.1	33.4	29.4	25.2	21.2	18.4	15.4	12.6	10.6	19.7
-750.00	*	-625.00	-600.00	154.6	0.450	19	63.3	51.0	43.8	38.7	33.3	28.2	24.5	20.6	17.0	14.4	26.2
-750.00	*	-600.00	-575.00	57.3	0.450	-41	77.9	62.9	53.9	47.7	41.0	34.7	30.1	25.3	20.8	17.6	32.2
-725.00	*	-700.00	-675.00	2478	0.300	57	11.8	9.0	7.5	6.5	5.5	4.5	3.9	3.2	2.6	2.1	4.3
-725.00	*	-675.00	-650.00	844	0.300	-53	21.3	16.7	14.0	12.2	10.4	8.6	7.4	6.1	5.0	4.1	8.1
-725.00	*	-650.00	-625.00	346	0.300	7	39.8	31.6	26.9	23.7	20.3	17.0	14.8	12.3	10.1	8.5	15.9
-725.00	*	-625.00	-600.00	168.6	0.300	18	56.3	45.3	38.9	34.3	29.5	25.0	21.7	18.3	15.0	12.7	23.2
-725.00	*	-600.00	-575.00	59.8	0.300	-36	73.0	58.9	50.6	44.7	38.5	32.6	28.4	23.8	19.6	16.6	30.3
-725.00	*	-575.00	-550.00	29.83	0.300	-227	110.8	89.8	77.3	68.5	59.0	50.1	43.5	36.6	30.1	25.6	46.4
-700.00	*	-675.00	-650.00	3941	0.580	-44	12.1	9.3	7.7	6.7	5.6	4.7	4.0	3.3	2.6	2.2	4.4
-700.00	*	-650.00	-625.00	1082	0.580	9	28.8	22.9	19.5	17.1	14.6	12.3	10.7	8.9	7.3	6.2	11.5
-700.00	*	-625.00	-600.00	433	0.580	14	47.4	38.1	32.7	28.8	24.8	21.0	18.2	15.3	12.6	10.7	19.5
-700.00	*	-600.00	-575.00	143.0	0.580	-35	65.9	53.3	45.8	40.5	34.9	29.6	25.7	21.6	17.8	15.1	27.5
-700.00	*	-575.00	-550.00	68.5	0.580	-217	104.7	84.9	73.1	64.7	55.8	47.2	41.2	34.8	28.7	24.4	44.0
-700.00	*	-550.00	-525.00	62.4	0.580	191	111.9	90.9	78.2	69.3	59.9	51.0	44.5	37.2	30.7	26.2	47.2
-675.00	*	-650.00	-625.00	5231	0.650	21	15.6	12.0	10.1	8.7	7.4	6.2	5.3	4.4	3.6	3.0	5.8
-675.00	*	-625.00	-600.00	1121	0.650	11	32.9	26.4	22.6	19.9	17.1	14.5	12.6	10.6	8.7	7.4	13.5
-675.00	*	-600.00	-575.00	287.6	0.650	-37	54.2	43.7	37.5	33.2	28.6	24.2	21.0	17.7	14.5	12.3	22.5
-675.00	*	-575.00	-550.00	122.4	0.650	-211	96.7	78.4	67.5	59.8	51.5	43.7	38.0	32.0	26.3	22.3	40.5
-675.00	*	-550.00	-525.00	109.2	0.650	183	103.8	84.2	72.5	64.2	55.4	47.0	40.9	34.5	28.4	24.1	43.6
-675.00	*	-525.00	-500.00	32.8	0.650	23	89.7	72.6	62.5	55.4	47.8	40.5	35.3	29.6	24.4	20.8	37.6
-650.00	*	-625.00	-600.00	3274	0.220	33	16.4	12.7	10.6	9.2	7.8	6.4	5.5	4.6	3.7	3.1	6.1
-650.00	*	-600.00	-575.00	416	0.220	-46	37.0	29.7	25.4	22.4	19.3	16.3	14.2	11.9	9.8	8.4	15.2
-650.00	*	-575.00	-550.00	112.7	0.220	-196	86.1	69.8	60.1	53.2	45.9	38.8	33.8	28.4	23.3	19.8	36.0
-650.00	*	-550.00	-525.00	94.2	0.220	180	96.4	78.1	67.2	59.6	51.4	43.5	37.9	31.9	26.2	22.3	40.4
-650.00	*	-525.00	-500.00	28.02	0.220	22	85.9	69.6	60.0	53.1	45.8	38.8	33.8	28.5	23.4	19.8	36.0
-650.00	*	-500.00	-475.00	19.74	0.220	45	74.1	59.7	51.2	45.2	39.0	32.8	28.5	23.8	19.5	16.4	30.4
-625.00	*	-600.00	-575.00	2353	0.300	-38	14.0	10.6	8.7	7.5	6.3	5.2	4.4	3.6	2.9	2.4	4.9
-625.00	*	-575.00	-550.00	250.4	0.300	-202	62.0	50.0	42.9	37.9	32.6	27.5	23.9	20.1	16.5	13.9	25.6
-625.00	*	-550.00	-525.00	159.0	0.300	179	84.3	68.2	58.7	51.9	44.7	38.2	33.3	28.0	23.2	19.7	35.4
-625.00	*	-525.00	-500.00	41.3	0.300	16	78.5	63.5	54.5	48.2	41.3	33.9	29.1	24.4	19.6	16.4	31.6
-625.00	*	-500.00	-475.00	26.49	0.300	49	69.8	56.3	48.2	42.6	36.6	30.9	26.8	22.5	18.4	15.6	28.7
-625.00	*	-475.00	-450.00	42.3	0.300	-61	70.2	56.2	48.0	42.5	36.2	30.5	26.3	22.0	17.9	15.1	28.3
-600.00	*	-575.00	-550.00	1013	0.300	-187	29.1	23.2	19.8	17.4	14.9	12.5	10.8	9.0	7.4	6.2	11.7
-600.00	*	-550.00	-525.00	315.6	0.300	169	63.9	51.6	44.3	39.2	33.7	28.5	24.8	20.8	17.1	14.4	26.5
-600.00	*	-525.00	-500.00	69.6	0.300	11	65.8	53.3	45.8	40.5	34.9	29.6	25.8	21.7	17.8	15.1	27.5

-600.00	*	-500.00	-475.00	39.4	0.300	52	61.3	49.4	42.4	37.4	32.2	27.2	23.6	19.8	16.2	13.7	25.3
-600.00	*	-475.00	-450.00	60.4	0.300	-53	62.9	50.4	43.1	38.1	32.6	27.6	23.9	20.0	16.4	13.8	25.6
-600.00	*	-450.00	-425.00	57.6	0.300	-119	64.6	51.6	43.9	38.5	32.8	27.4	23.5	19.4	15.5	12.9	25.3
-575.00	*	-550.00	-525.00	1919	0.430	202	28.4	22.7	19.3	17.0	14.6	12.3	10.7	8.9	7.3	6.2	11.5
-575.00	*	-525.00	-500.00	250.5	0.430	11	45.0	36.2	31.1	27.5	23.7	20.0	17.4	14.7	12.1	10.2	18.6
-575.00	*	-500.00	-475.00	112.1	0.430	50	44.4	35.7	30.6	27.0	23.2	19.5	17.0	14.2	11.7	9.9	18.2
-575.00	*	-475.00	-450.00	157.4	0.430	-52	47.8	38.2	32.6	28.8	24.6	20.8	18.0	15.1	12.3	10.4	19.3
-575.00	*	-450.00	-425.00	143.9	0.430	-54	52.1	41.7	35.7	31.5	27.1	22.8	19.8	16.6	13.5	11.4	21.2
-575.00	*	-425.00	-400.00	58.4	0.430	15	57.2	45.8	39.2	34.5	29.5	24.9	21.7	18.2	14.7	12.3	23.2
-550.00	*	-525.00	-500.00	761	0.400	6	34.4	27.7	23.7	21.0	18.1	15.3	13.3	11.2	9.2	7.8	14.2
-550.00	*	-500.00	-475.00	256.4	0.400	53	33.8	27.1	23.2	20.5	17.6	14.8	12.9	10.8	8.9	7.5	13.8
-550.00	*	-475.00	-450.00	315	0.400	-52	37.2	29.6	25.3	22.2	19.0	16.0	13.8	11.5	9.4	8.0	14.9
-550.00	*	-450.00	-425.00	278.0	0.400	-44	42.1	33.7	28.8	25.4	21.8	18.4	15.9	13.4	11.0	9.3	17.1
-550.00	*	-425.00	-400.00	100.1	0.400	45	49.5	39.6	33.8	29.8	25.6	21.5	18.7	15.7	12.8	10.9	20.1
-550.00	*	-400.00	-375.00	90.6	0.400	-70	52.6	41.9	35.7	31.4	26.9	22.5	19.5	16.3	13.3	11.3	21.1
-525.00	*	-500.00	-475.00	1296	0.380	56	10.4	8.1	6.9	6.0	5.1	4.3	3.7	3.1	2.5	2.1	4.0
-525.00	*	-475.00	-450.00	653	0.380	-53	21.3	16.9	14.4	12.6	10.7	9.0	7.8	6.5	5.3	4.4	8.4
-525.00	*	-450.00	-425.00	503	0.380	-43	26.9	21.5	18.4	16.2	13.9	11.7	10.2	8.5	7.0	5.9	10.9
-525.00	*	-425.00	-400.00	155.7	0.380	51	35.0	27.9	23.9	21.0	18.0	15.1	13.1	10.9	8.9	7.5	14.1
-525.00	*	-400.00	-375.00	128.6	0.380	-53	40.9	32.6	27.8	24.4	20.9	17.5	15.2	12.7	10.4	8.7	16.4
-525.00	*	-375.00	-350.00	*	0.380	*	*	*	*	*	*	*	*	*	*	*	*
-500.00	*	-475.00	-450.00	3873	0.600	-40	9.2	7.1	5.9	5.1	4.3	3.6	3.1	2.5	2.0	1.7	3.4
-500.00	*	-450.00	-425.00	2474	0.600	-44	14.5	11.5	9.8	8.6	7.4	6.2	5.4	4.5	3.7	3.1	5.8
-500.00	*	-425.00	-400.00	665	0.600	49	20.3	16.1	13.6	11.9	10.1	8.5	7.3	6.1	5.0	4.2	8.0
-500.00	*	-400.00	-375.00	460	0.600	-43	29.2	23.1	19.6	17.2	14.7	12.3	10.7	8.9	7.3	6.1	11.5
-500.00	*	-375.00	-350.00	*	0.600	*	*	*	*	*	*	*	*	*	*	*	*
-500.00	*	-350.00	-325.00	*	0.600	*	*	*	*	*	*	*	*	*	*	*	*
-475.00	*	-450.00	-425.00	10450	0.500	-49	8.2	6.4	5.4	4.7	4.0	3.4	2.9	2.4	1.9	1.6	3.1
-475.00	*	-425.00	-400.00	2104	0.500	52	10.4	8.0	6.7	5.9	5.0	4.1	3.5	2.9	2.4	2.0	3.9
-475.00	*	-400.00	-375.00	927	0.500	-40	18.0	14.1	11.9	10.3	8.7	7.3	6.3	5.2	4.2	3.5	6.8
-475.00	*	-375.00	-350.00	*	0.500	*	*	*	*	*	*	*	*	*	*	*	*
-475.00	*	-350.00	-325.00	*	0.500	*	*	*	*	*	*	*	*	*	*	*	*
-475.00	*	-325.00	-300.00	*	0.500	*	*	*	*	*	*	*	*	*	*	*	*
-450.00	*	-425.00	-400.00	4774	0.290	65	8.0	6.0	4.9	4.2	3.5	2.9	2.4	2.0	1.5	1.3	2.7
-450.00	*	-400.00	-375.00	1365	0.290	-43	14.0	10.7	9.0	7.8	6.6	5.5	4.7	3.9	3.1	2.6	5.2
-450.00	*	-375.00	-350.00	*	0.290	*	*	*	*	*	*	*	*	*	*	*	*
-450.00	*	-350.00	-325.00	*	0.290	*	*	*	*	*	*	*	*	*	*	*	*
-450.00	*	-325.00	-300.00	*	0.290	*	*	*	*	*	*	*	*	*	*	*	*
-450.00	*	-300.00	-275.00	*	0.290	*	*	*	*	*	*	*	*	*	*	*	*

ANDROTEX LTD. (416) 677-7919 FILE:LO100N02.HEA DATE:29:09:91 USER:02 AREA: 01 SENSE:- MOVE:- StnInt: 25 Tx: 2s

LINE:100N ARRAY:PLDP DIPOLE:25 UNITS:M T2X:10000.0 T2Y:10000.0 T=80,80,80,80,80,160,160,160,320,320,320

T1Y	T2Y	R1Y	R2Y	Vp	I	Sp	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	MT
0.00	*	-25.00	-50.00	1302	0.100	18	12.1	9.2	7.6	6.6	5.5	4.5	3.8	3.1	2.5	2.0	4.3
0.00	*	-50.00	-75.00	539	0.100	-49	12.5	9.5	7.8	6.7	5.6	4.6	3.9	3.2	2.5	2.1	4.4
0.00	*	-75.00	-100.00	236.7	0.100	38	11.9	9.0	7.5	6.4	5.4	4.4	3.7	3.0	2.4	2.0	4.2
0.00	*	-100.00	-125.00	135.2	0.100	0	12.8	9.8	8.1	7.0	5.9	4.9	4.1	3.4	2.7	2.2	4.6
0.00	*	-125.00	-150.00	86.2	0.100	-47	14.5	10.9	9.0	7.7	6.5	5.3	4.5	3.7	3.0	2.5	5.1
0.00	*	-150.00	-175.00	40.4	0.100	30	14.9	10.6	8.4	7.0	5.7	4.6	3.8	3.0	2.3	1.9	4.5
-25.00	*	-50.00	-75.00	2401	0.100	-48	13.4	10.2	8.4	7.3	6.1	5.0	4.2	3.4	2.7	2.2	4.7
-25.00	*	-75.00	-100.00	798	0.100	38	12.4	9.4	7.8	6.7	5.6	4.6	3.9	3.2	2.5	2.1	4.3
-25.00	*	-100.00	-125.00	375	0.100	-1	12.9	9.8	8.2	7.0	5.9	4.8	4.1	3.4	2.7	2.2	4.6
-25.00	*	-125.00	-150.00	216.8	0.100	-47	14.9	11.3	9.4	8.1	6.8	5.6	4.8	4.0	3.2	2.7	5.3
-25.00	*	-150.00	-175.00	99.2	0.100	32	13.7	10.0	8.2	6.9	5.7	4.6	3.9	3.2	2.5	2.1	4.5
-25.00	*	-175.00	-200.00	110.5	0.100	-81	13.8	10.7	8.9	7.7	6.5	5.3	4.5	3.7	2.9	2.4	5.0
-50.00	*	-75.00	-100.00	3313	0.230	60	11.3	8.5	6.9	5.9	4.9	4.0	3.3	2.7	2.1	1.7	3.8
-50.00	*	-100.00	-125.00	1291	0.230	-1	12.6	9.7	8.1	7.0	5.9	4.9	4.1	3.4	2.7	2.3	4.6
-50.00	*	-125.00	-150.00	633	0.230	-50	13.5	10.3	8.6	7.4	6.2	5.1	4.4	3.6	2.9	2.4	4.8
-50.00	*	-150.00	-175.00	298.2	0.230	32	12.9	9.7	8.0	6.8	5.6	4.6	3.9	3.1	2.5	2.0	4.4
-50.00	*	-175.00	-200.00	276.1	0.230	-78	13.7	10.6	8.8	7.6	6.4	5.3	4.5	3.6	2.9	2.4	4.9
-50.00	*	-200.00	-225.00	172.5	0.230	127	22.5	16.2	13.1	11.0	9.1	7.4	6.3	5.1	4.1	3.4	7.2
-75.00	*	-100.00	-125.00	1004	0.070	2	13.1	9.9	8.2	7.1	5.9	4.9	4.1	3.4	2.7	2.2	4.6
-75.00	*	-125.00	-150.00	439	0.070	-50	14.4	10.9	9.0	7.8	6.5	5.4	4.5	3.7	3.0	2.5	5.1
-75.00	*	-150.00	-175.00	196.8	0.070	28	13.8	10.3	8.4	7.2	6.0	4.8	4.1	3.3	2.6	2.2	4.6
-75.00	*	-175.00	-200.00	172.3	0.070	-75	15.3	11.6	9.6	8.3	7.0	5.7	4.9	4.0	3.2	2.6	5.4
-75.00	*	-200.00	-225.00	110.9	0.070	128	19.6	14.6	12.0	10.3	8.6	7.1	6.0	5.0	4.0	3.3	6.8
-75.00	*	-225.00	-250.00	55.8	0.070	-31	19.8	15.9	13.4	11.7	9.9	8.4	7.2	6.0	4.8	4.0	7.8
-100.00	*	-125.00	-150.00	1780	0.140	-49	13.1	10.0	8.3	7.1	6.0	4.9	4.2	3.4	2.7	2.2	4.6
-100.00	*	-150.00	-175.00	775	0.140	27	13.6	10.3	8.5	7.3	6.1	5.0	4.2	3.5	2.7	2.3	4.7
-100.00	*	-175.00	-200.00	524	0.140	-75	14.9	11.3	9.4	8.0	6.7	5.5	4.7	3.8	3.0	2.5	5.2
-100.00	*	-200.00	-225.00	323	0.140	126	17.7	13.5	11.2	9.7	8.1	6.7	5.7	4.7	3.8	3.1	6.3
-100.00	*	-225.00	-250.00	154.7	0.140	-27	21.3	16.7	14.0	12.2	10.3	8.6	7.4	6.0	4.8	3.9	8.0
-100.00	*	-250.00	-275.00	30.7	0.140	-30	17.1	13.1	10.9	9.5	7.9	6.5	5.6	4.7	3.9	3.6	6.4
-125.00	*	-150.00	-175.00	3149	0.170	60	12.8	9.8	8.1	7.0	5.8	4.8	4.0	3.3	2.6	2.2	4.5
-125.00	*	-175.00	-200.00	1613	0.170	-76	14.6	11.2	9.3	8.1	6.8	5.6	4.8	3.9	3.1	2.6	5.3
-125.00	*	-200.00	-225.00	946	0.170	126	16.9	13.1	10.9	9.4	7.9	6.6	5.6	4.6	3.7	3.1	6.2
-125.00	*	-225.00	-250.00	419	0.170	-28	20.7	16.1	13.5	11.8	10.0	8.3	7.2	5.9	4.7	4.0	7.8
-125.00	*	-250.00	-275.00	75.5	0.170	-29	19.6	15.2	12.8	11.1	9.4	7.9	6.8	5.7	4.6	3.8	7.4
-125.00	*	-275.00	-300.00	100.9	0.170	-51	19.9	15.0	12.3	10.5	8.8	7.2	6.0	4.8	3.8	3.0	6.7
-150.00	*	-175.00	-200.00	2961	0.150	-73	13.2	10.1	8.4	7.2	6.0	5.0	4.2	3.5	2.8	2.3	4.7
-150.00	*	-200.00	-225.00	1658	0.150	121	15.9	12.2	10.2	8.8	7.4	6.1	5.2	4.3	3.5	2.9	5.8
-150.00	*	-225.00	-250.00	672	0.150	-27	19.7	15.3	12.8	11.2	9.4	7.8	6.7	5.6	4.5	3.7	7.4
-150.00	*	-250.00	-275.00	115.4	0.150	-29	19.4	15.0	12.6	10.9	9.2	7.7	6.5	5.4	4.4	3.7	7.2
-150.00	*	-275.00	-300.00	143.7	0.150	-49	19.3	14.7	12.2	10.6	8.8	7.3	6.2	5.1	4.0	3.3	6.9
-150.00	*	-300.00	-325.00	94.4	0.150	33	27.9	22.0	18.6	16.2	13.8	11.4	10.0	8.2	6.6	5.6	10.8
-175.00	*	-200.00	-225.00	2256	0.100	118	14.6	11.2	9.3	8.1	6.8	5.6	4.8	3.9	3.1	2.6	5.3
-175.00	*	-225.00	-250.00	842	0.100	-27	19.2	14.8	12.4	10.8	9.1	7.6	6.5	5.4	4.3	3.6	7.1
-175.00	*	-250.00	-275.00	135.4	0.100	-30	19.1	14.8	12.4	10.7	9.0	7.4	6.4	5.2	4.2	3.5	7.0
-175.00	*	-275.00	-300.00	158.0	0.100	-47	17.6	13.4	11.1	9.6	8.0	6.5	5.5	4.5	3.5	2.9	6.2
-175.00	*	-300.00	-325.00	121.1	0.100	37	28.5	22.5	19.0	16.7	14.2	11.9	10.2	8.5	7.0	5.9	11.1
-175.00	*	-325.00	-350.00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
-200.00	*	-225.00	-250.00	6049	0.260	-49	17.6	13.5	11.3	9.8	8.2	6.8	5.8	4.8	3.8	3.1	6.4
-200.00	*	-250.00	-275.00	944	0.260	-10	18.6	14.5	12.2	10.7	9.0	7.5	6.5	5.4	4.4	3.7	7.1
-200.00	*	-275.00	-300.00	1010	0.260	-27	16.9	12.9	10.7	9.2	7.7	6.3	5.3	4.3	3.4	2.8	5.9
-200.00	*	-300.00	-325.00	719	0.260	38	29.5	23.2	19.6	17.1	14.6	12.2	10.5	8.7	7.0	5.8	11.4
-200.00	*	-325.00	-350.00	160.2	0.260	-64	24.3	19.0	16.0	13.9	11.7	9.7	8.3	6.8	5.4	4.5	9.1
-200.00	*	-350.00	-375.00	70.7	0.260	-38	18.0	14.3	12.2	10.8	9.3	7.9	6.9	5.9	4.9	4.2	7.4
-225.00	*	-250.00	-275.00	370	0.030	-13	14.4	11.0	9.1	7.8	6.6	5.4	4.6	3.8	3.0	2.5	5.1
-225.00	*	-275.00	-300.00	326	0.030	-35	17.7	13.5	11.2	9.6	8.1	6.6	5.6	4.6	3.7	3.1	6.3
-225.00	*	-300.00	-325.00	144.2	0.030	41	28.3	22.2	18.7	16.4	13.8	11.5	9.9	8.2	6.6	5.5	10.8

-225.00	*	-325.00	-350.00	33.7	0.030	-38	23.5	18.3	15.3	13.3	11.2	9.3	7.9	6.5	5.2	4.3	8.7
-225.00	*	-350.00	-375.00	13.24	0.030	-59	19.4	15.2	12.9	11.4	9.8	8.3	7.2	6.1	5.1	4.3	7.8
-225.00	*	-375.00	-400.00	6.21	0.030	38	19.1	14.9	12.6	10.6	9.8	8.3	6.9	6.1	5.1	4.4	7.7
-250.00	*	-275.00	-300.00	5300	0.120	-37	15.0	11.5	9.6	8.3	6.9	5.7	4.9	4.0	3.2	2.6	5.4
-250.00	*	-300.00	-325.00	1230	0.120	38	24.3	19.2	16.3	14.4	12.3	10.3	8.9	7.4	6.1	5.1	9.6
-250.00	*	-325.00	-350.00	296.8	0.120	-23	21.3	16.8	14.2	12.4	10.5	8.8	7.6	6.3	5.1	4.3	8.2
-250.00	*	-350.00	-375.00	96.9	0.120	-69	17.8	14.0	11.9	10.4	8.9	7.5	6.5	5.4	4.4	3.7	7.0
-250.00	*	-375.00	-400.00	45.8	0.120	37	18.9	15.0	12.9	11.4	9.7	8.2	7.2	6.0	5.0	4.2	7.7
-250.00	*	-400.00	-425.00	68.8	0.120	-123	23.7	18.8	15.7	13.6	11.7	9.6	8.2	6.7	5.3	4.4	8.9
-275.00	*	-300.00	-325.00	2822	0.130	34	23.4	18.5	15.6	13.6	11.6	9.7	8.3	6.9	5.6	4.7	9.0
-275.00	*	-325.00	-350.00	535	0.130	-19	22.0	17.3	14.6	12.8	10.8	9.0	7.8	6.5	5.2	4.4	8.5
-275.00	*	-350.00	-375.00	169.0	0.130	-70	18.8	14.8	12.5	10.9	9.3	7.7	6.7	5.5	4.5	3.8	7.2
-275.00	*	-375.00	-400.00	72.3	0.130	37	20.4	16.1	13.8	12.0	10.3	8.7	7.5	6.3	5.2	4.4	8.1
-275.00	*	-400.00	-425.00	122.0	0.130	-112	24.4	19.4	16.3	14.4	12.2	10.2	8.7	7.2	5.8	4.8	9.4
-275.00	*	-425.00	-450.00	18.53	0.130	95	15.6	12.0	10.4	8.9	7.6	6.4	5.5	4.7	3.9	3.4	6.1
-300.00	*	-325.00	-350.00	854	0.050	-18	26.6	21.0	17.7	15.5	13.2	11.0	9.5	7.9	6.4	5.3	10.3
-300.00	*	-350.00	-375.00	254.3	0.050	-70	23.7	18.6	15.7	13.7	11.6	9.7	8.4	6.9	5.6	4.7	9.1
-300.00	*	-375.00	-400.00	96.5	0.050	36	25.2	19.9	16.8	14.7	12.6	10.5	9.1	7.6	6.1	5.2	9.8
-300.00	*	-400.00	-425.00	170.8	0.050	-103	33.1	26.3	22.3	19.6	16.7	14.0	12.1	10.0	8.2	6.9	13.1
-300.00	*	-425.00	-450.00	15.60	0.050	90	23.0	18.0	14.9	13.0	11.3	9.3	8.0	6.6	5.3	4.4	8.7
-300.00	*	-450.00	-475.00	14.26	0.050	4	18.7	14.3	11.6	9.9	8.6	6.9	5.8	4.8	3.8	2.9	6.5
-325.00	*	-350.00	-375.00	1158	0.100	-68	17.3	13.4	11.2	9.8	8.2	6.8	5.8	4.8	3.9	3.2	6.4
-325.00	*	-375.00	-400.00	400	0.100	35	21.2	16.7	14.1	12.3	10.5	8.8	7.5	6.2	5.0	4.2	8.2
-325.00	*	-400.00	-425.00	225.9	0.100	-95	22.8	17.9	15.2	13.3	11.4	9.5	8.1	6.8	5.5	4.6	8.9
-325.00	*	-425.00	-450.00	36.6	0.100	85	14.3	11.1	9.2	8.1	6.7	5.6	4.8	3.9	3.2	2.6	5.3
-325.00	*	-450.00	-475.00	30.5	0.100	6	16.0	12.3	10.1	8.9	7.3	6.1	5.2	4.3	3.4	2.9	5.8
-325.00	*	-475.00	-500.00	23.28	0.100	-2	13.2	10.1	8.3	7.3	6.1	5.0	4.3	3.5	2.7	2.3	4.7
-350.00	*	-375.00	-400.00	1108	0.050	36	22.7	17.8	15.0	13.1	11.1	9.2	7.9	6.6	5.3	4.4	8.6
-350.00	*	-400.00	-425.00	368	0.050	-88	19.3	15.2	12.8	11.2	9.5	8.0	6.8	5.7	4.6	3.8	7.4
-350.00	*	-425.00	-450.00	53.2	0.050	79	15.3	11.7	9.7	8.4	7.0	5.7	4.8	3.9	3.1	2.6	5.4
-350.00	*	-450.00	-475.00	36.6	0.050	6	15.9	12.2	10.2	8.8	7.4	6.0	5.1	4.2	3.3	2.8	5.7
-350.00	*	-475.00	-500.00	24.79	0.050	-0	13.6	10.4	8.7	7.5	6.3	5.2	4.4	3.6	2.9	2.3	4.9
-350.00	*	-500.00	-525.00	18.20	0.050	6	12.3	9.3	7.9	6.7	5.7	4.6	4.0	3.3	2.6	2.1	4.4
-375.00	*	-400.00	-425.00	1753	0.150	-83	17.1	13.4	11.2	9.8	8.2	6.8	5.9	4.8	3.8	3.2	6.4
-375.00	*	-425.00	-450.00	230.4	0.150	75	15.4	11.8	9.8	8.4	7.0	5.8	4.9	4.0	3.2	2.6	5.4
-375.00	*	-450.00	-475.00	133.3	0.150	5	15.9	12.2	10.1	8.7	7.3	6.0	5.1	4.1	3.3	2.7	5.7
-375.00	*	-475.00	-500.00	81.2	0.150	-1	13.7	10.4	8.6	7.4	6.2	5.1	4.3	3.5	2.7	2.2	4.8
-375.00	*	-500.00	-525.00	55.5	0.150	8	13.4	10.1	8.4	7.3	6.0	5.0	4.3	3.4	2.8	2.3	4.7
-375.00	*	-525.00	-550.00	33.9	0.150	4	14.0	10.6	8.7	7.8	6.4	5.4	4.7	3.8	3.1	2.6	5.1
-400.00	*	-425.00	-450.00	1128	0.250	71	21.0	16.3	13.6	11.8	9.9	8.2	7.0	5.8	4.6	3.8	7.7
-400.00	*	-450.00	-475.00	515	0.250	4	20.5	15.9	13.3	11.5	9.7	8.0	6.9	5.6	4.5	3.8	7.6
-400.00	*	-475.00	-500.00	266.6	0.250	-1	17.6	13.5	11.3	9.7	8.2	6.7	5.7	4.7	3.8	3.1	6.3
-400.00	*	-500.00	-525.00	158.3	0.250	10	17.9	13.8	11.5	10.0	8.4	7.0	5.9	4.9	3.9	3.2	6.5
-400.00	*	-525.00	-550.00	86.7	0.250	3	16.9	13.0	10.8	9.3	7.9	6.5	5.5	4.6	3.7	3.1	6.2
-400.00	*	-550.00	-575.00	83.6	0.250	-62	17.4	13.4	11.1	9.6	8.0	6.6	5.5	4.6	3.6	3.0	6.2
-425.00	*	-450.00	-475.00	2449	0.340	6	14.7	11.3	9.4	8.1	6.8	5.6	4.8	3.9	3.1	2.6	5.3
-425.00	*	-475.00	-500.00	726	0.340	-3	14.3	10.9	9.1	7.8	6.5	5.3	4.5	3.7	2.9	2.4	5.0
-425.00	*	-500.00	-525.00	396	0.340	11	14.3	10.9	9.0	7.7	6.5	5.3	4.5	3.7	2.9	2.4	5.0
-425.00	*	-525.00	-550.00	220.6	0.340	2	13.4	10.1	8.4	7.2	6.0	4.9	4.1	3.4	2.6	2.2	4.6
-425.00	*	-550.00	-575.00	192.1	0.340	-50	15.3	11.7	9.7	8.4	7.1	5.8	4.9	4.0	3.2	2.6	5.4
-425.00	*	-575.00	-600.00	86.0	0.340	37	18.7	14.1	11.6	10.0	8.4	6.9	5.8	4.8	3.8	3.1	6.5
-450.00	*	-475.00	-500.00	2326	0.300	-2	15.5	12.0	10.0	8.7	7.3	6.0	5.2	4.3	3.4	2.8	5.7
-450.00	*	-500.00	-525.00	815	0.300	10	13.4	10.2	8.5	7.3	6.2	5.1	4.3	3.5	2.8	2.3	4.8
-450.00	*	-525.00	-550.00	374	0.300	1	12.5	9.5	7.9	6.8	5.6	4.6	3.9	3.2	2.5	2.1	4.4
-450.00	*	-550.00	-575.00	307.9	0.300	-44	14.2	10.9	9.0	7.8	6.6	5.4	4.6	3.8	3.0	2.5	5.1
-450.00	*	-575.00	-600.00	123.2	0.300	39	16.0	12.1	10.0	8.6	7.3	6.0	5.1	4.2	3.4	2.9	5.7
-450.00	*	-600.00	-625.00	131.5	0.300	5	15.5	12.0	10.0	8.7	7.3	6.0	5.2	4.3	3.4	2.9	5.7
-475.00	*	-500.00	-525.00	598	0.050	13	17.9	14.1	11.8	10.1	8.4	7.0	6.2	5.0	4.2	3.2	6.7
-475.00	*	-525.00	-550.00	171.8	0.050	-1	13.9	10.6	8.9	7.7	6.4	5.3	4.5	3.7	3.0	2.5	5.0
-475.00	*	-550.00	-575.00	126.0	0.050	-40	15.0	11.5	9.6	8.3	7.0	5.8	4.9	4.1	3.2	2.6	5.4

-475.00	*	-575.00	-600.00	45.5	0.050	38	16.3	12.4	10.6	9.1	7.8	6.5	5.6	4.7	3.8	3.2	6.1
-475.00	*	-600.00	-625.00	48.8	0.050	8	16.1	12.3	10.2	8.8	7.4	6.0	5.0	4.0	3.1	2.5	5.6
-475.00	*	-625.00	-650.00	29.5	0.050	-54	17.2	13.1	11.2	9.5	8.1	6.6	5.6	4.6	3.6	2.8	6.1
-500.00	*	-525.00	-550.00	363	0.050	2	12.0	9.1	7.5	6.5	5.4	4.4	3.8	3.1	2.4	2.0	4.2
-500.00	*	-550.00	-575.00	202.1	0.050	-35	13.1	9.9	8.3	7.1	5.9	4.9	4.1	3.4	2.7	2.2	4.6
-500.00	*	-575.00	-600.00	64.1	0.050	33	13.2	9.9	8.3	7.1	5.9	4.7	4.0	3.2	2.5	1.9	4.5
-500.00	*	-600.00	-625.00	65.3	0.050	10	16.4	12.8	10.7	9.4	8.0	6.7	5.8	4.8	4.0	3.4	6.3
-500.00	*	-625.00	-650.00	37.0	0.050	-49	15.7	11.9	10.2	8.8	7.4	6.0	5.2	4.2	3.3	2.6	5.6
-500.00	*	-650.00	-675.00	26.97	0.050	-25	16.1	12.3	10.5	9.0	7.6	6.3	5.4	4.4	3.6	2.9	5.9
-525.00	*	-550.00	-575.00	1058	0.050	-31	13.9	10.5	8.7	7.5	6.3	5.2	4.4	3.6	2.9	2.4	4.9
-525.00	*	-575.00	-600.00	185.8	0.050	33	11.5	8.7	7.3	6.3	5.2	4.3	3.7	3.0	2.4	1.9	4.1
-525.00	*	-600.00	-625.00	167.1	0.050	8	14.8	11.3	9.5	8.2	6.9	5.7	4.9	4.0	3.3	2.7	5.4
-525.00	*	-625.00	-650.00	85.4	0.050	-47	14.5	11.2	9.4	8.2	6.8	5.6	4.9	4.0	3.2	2.6	5.3
-525.00	*	-650.00	-675.00	60.1	0.050	-21	15.9	12.2	10.2	8.9	7.5	6.2	5.4	4.4	3.6	2.9	5.9
-525.00	*	-675.00	-700.00	32.9	0.050	13	14.5	10.9	9.1	7.8	6.4	5.2	4.5	3.4	2.7	2.2	4.9
-550.00	*	-575.00	-600.00	313	0.040	35	11.4	8.5	7.2	6.0	5.0	4.1	3.5	2.8	2.2	1.8	3.9
-550.00	*	-600.00	-625.00	176.9	0.040	9	12.9	9.8	8.1	7.0	5.9	4.9	4.2	3.4	2.8	2.3	4.6
-550.00	*	-625.00	-650.00	74.8	0.040	-47	13.3	10.1	8.4	7.3	6.1	5.0	4.3	3.5	2.8	2.3	4.7
-550.00	*	-650.00	-675.00	49.9	0.040	-20	13.9	10.6	8.9	7.6	6.5	5.4	4.6	3.8	3.1	2.5	5.1
-550.00	*	-675.00	-700.00	26.41	0.040	18	14.5	10.8	9.2	7.9	6.4	5.5	4.7	3.9	3.3	2.7	5.2
-550.00	*	-700.00	-725.00	25.24	0.040	11	13.9	10.2	8.7	7.3	5.4	5.2	4.3	3.6	3.1	2.5	4.9
-575.00	*	-600.00	-625.00	936	0.040	10	13.3	10.1	8.3	7.2	6.0	5.0	4.3	3.5	2.8	2.3	4.7
-575.00	*	-625.00	-650.00	171.4	0.040	-47	11.4	8.6	7.2	6.2	5.2	4.3	3.6	2.9	2.3	1.9	4.0
-575.00	*	-650.00	-675.00	94.8	0.040	-18	12.3	9.4	7.9	6.7	5.7	4.7	4.0	3.3	2.7	2.2	4.4
-575.00	*	-675.00	-700.00	47.2	0.040	20	12.6	9.6	8.0	6.9	5.8	4.8	4.1	3.3	2.6	2.2	4.5
-575.00	*	-700.00	-725.00	42.9	0.040	20	13.0	9.9	8.3	7.1	6.0	5.0	4.3	3.4	2.8	2.3	4.7
-575.00	*	-725.00	-750.00	25.15	0.040	-126	12.5	9.2	7.5	6.2	5.0	4.1	3.3	2.4	1.9	1.3	3.8
-600.00	*	-625.00	-650.00	302.3	0.020	-44	11.4	8.6	7.1	6.1	5.1	4.1	3.5	2.8	2.2	1.8	3.9
-600.00	*	-650.00	-675.00	119.5	0.020	-19	11.4	8.6	7.2	6.2	5.2	4.3	3.6	3.0	2.4	2.0	4.0
-600.00	*	-675.00	-700.00	52.5	0.020	21	11.9	9.1	7.5	6.5	5.5	4.5	3.9	3.2	2.6	2.1	4.3
-600.00	*	-700.00	-725.00	47.2	0.020	23	12.8	9.7	8.1	7.1	6.0	4.9	4.2	3.4	2.8	2.3	4.6
-600.00	*	-725.00	-750.00	26.47	0.020	-109	12.2	9.1	7.5	6.5	5.4	4.4	3.7	3.0	2.4	1.8	4.1
-600.00	*	-750.00	-775.00	15.35	0.020	-1	10.2	7.6	6.1	5.3	4.3	3.3	2.6	1.9	1.1	0.4	2.9
-625.00	*	-650.00	-675.00	478	0.050	-17	10.6	8.0	6.6	5.7	4.7	3.9	3.3	2.7	2.2	1.8	3.7
-625.00	*	-675.00	-700.00	154.8	0.050	22	10.4	7.9	6.6	5.6	4.8	3.9	3.3	2.7	2.2	1.8	3.7
-625.00	*	-700.00	-725.00	116.4	0.050	24	11.4	8.7	7.3	6.3	5.3	4.4	3.7	3.1	2.5	2.1	4.2
-625.00	*	-725.00	-750.00	62.0	0.050	-102	11.0	8.4	7.0	6.0	5.2	4.3	3.6	3.0	2.4	2.0	4.0
-625.00	*	-750.00	-775.00	35.0	0.050	3	11.6	9.0	7.5	6.5	5.6	4.6	3.8	3.3	2.6	2.2	4.3
-625.00	*	-775.00	-800.00	27.12	0.050	-2	12.6	9.5	8.0	6.9	6.0	5.0	4.2	3.6	3.0	2.6	4.7
-650.00	*	-675.00	-700.00	688	0.050	28	11.4	8.6	7.1	6.1	5.1	4.1	3.5	2.9	2.3	1.9	3.9
-650.00	*	-700.00	-725.00	315	0.050	25	10.4	7.8	6.5	5.6	4.7	3.8	3.3	2.7	2.1	1.8	3.6
-650.00	*	-725.00	-750.00	137.2	0.050	-99	9.8	7.4	6.1	5.3	4.4	3.6	3.1	2.5	2.0	1.7	3.4
-650.00	*	-750.00	-775.00	71.4	0.050	2	10.9	8.3	6.9	6.0	5.1	4.2	3.5	2.9	2.4	1.9	3.9
-650.00	*	-775.00	-800.00	52.9	0.050	-2	10.3	7.8	6.4	5.5	4.6	3.7	3.1	2.6	2.1	1.7	3.6
-650.00	*	-800.00	-825.00	37.4	0.050	-48	12.1	9.4	7.9	6.9	5.9	4.8	4.1	3.4	2.6	2.2	4.5
-675.00	*	-700.00	-725.00	1715	0.060	29	13.0	9.8	8.0	6.9	5.7	4.7	4.0	3.3	2.6	2.1	4.5
-675.00	*	-725.00	-750.00	398	0.060	-97	9.7	7.3	6.0	5.1	4.2	3.5	3.0	2.4	1.9	1.6	3.3
-675.00	*	-750.00	-775.00	167.8	0.060	0	9.8	7.4	6.2	5.3	4.5	3.7	3.1	2.6	2.1	1.7	3.5
-675.00	*	-775.00	-800.00	110.3	0.060	2	9.9	7.6	6.3	5.5	4.6	3.8	3.2	2.7	2.1	1.7	3.6
-675.00	*	-800.00	-825.00	73.3	0.060	-44	10.4	8.0	6.7	5.7	4.8	4.0	3.4	2.8	2.3	2.0	3.8
-675.00	*	-825.00	-850.00	42.8	0.060	-37	11.2	8.5	7.2	6.0	5.1	4.2	3.6	3.0	2.3	2.0	4.0
-700.00	*	-725.00	-750.00	952	0.050	-92	12.0	8.9	7.3	6.3	5.2	4.2	3.6	2.9	2.3	1.8	4.0
-700.00	*	-750.00	-775.00	254.6	0.050	-0	10.5	7.8	6.4	5.5	4.6	3.8	3.2	2.6	2.0	1.7	3.6
-700.00	*	-775.00	-800.00	139.2	0.050	-0	9.1	6.8	5.6	4.7	3.9	3.1	2.6	2.1	1.6	1.3	3.0
-700.00	*	-800.00	-825.00	81.8	0.050	-38	10.3	7.9	6.7	5.8	5.0	4.2	3.7	3.2	2.7	2.3	4.1
-700.00	*	-825.00	-850.00	45.1	0.050	-32	10.2	7.4	6.3	5.3	4.5	3.6	3.1	2.4	1.9	1.6	3.4
-700.00	*	-850.00	-875.00	19,66	0.050	-21	9.0	6.1	5.4	4.3	3.6	2.8	2.5	1.8	1.3	1.1	2.7
-725.00	*	-750.00	-775.00	996	0.050	0	12.7	9.5	7.9	6.8	5.6	4.6	3.9	3.2	2.5	2.1	4.4
-725.00	*	-775.00	-800.00	358	0.050	-3	10.4	7.9	6.5	5.6	4.7	3.9	3.3	2.8	2.2	1.8	3.7
-725.00	*	-800.00	-825.00	158.1	0.050	-33	9.0	6.8	5.5	4.7	4.0	3.2	2.7	2.2	1.8	1.5	3.1

-725.00	*	-825.00	-850.00	79.6	0.050	-30	9.4	7.2	5.9	5.1	4.3	3.6	3.0	2.4	1.9	1.6	3.3
-725.00	*	-850.00	-875.00	33.2	0.050	-20	8.1	6.2	5.1	4.6	3.7	3.2	2.6	2.1	1.6	1.2	2.8
-725.00	*	-875.00	-900.00	38.9	0.050	-89	9.7	7.5	6.2	5.4	4.5	3.8	3.2	2.6	2.2	1.8	3.6
-750.00	*	-775.00	-800.00	937	0.050	-3	12.3	9.3	7.7	6.6	5.5	4.6	3.9	3.2	2.5	2.1	4.3
-750.00	*	-800.00	-825.00	252.7	0.050	-29	9.8	7.4	6.0	5.2	4.3	3.5	3.0	2.4	1.9	1.6	3.3
-750.00	*	-825.00	-850.00	105.8	0.050	-28	9.8	7.4	6.1	5.2	4.3	3.6	3.0	2.5	2.0	1.6	3.4
-750.00	*	-850.00	-875.00	39.9	0.050	-22	8.5	6.5	5.4	4.6	3.9	3.2	2.8	2.3	1.8	1.5	3.0
-750.00	*	-875.00	-900.00	39.3	0.050	-85	9.0	6.8	5.6	4.8	4.0	3.3	2.8	2.3	1.8	1.5	3.1
-750.00	*	-900.00	-925.00	9.51	0.050	125	5.8	4.3	3.2	2.6	1.9	1.6	1.4	1.0	0.6	0.3	1.5
-775.00	*	-800.00	-825.00	2214	0.050	-20	12.2	9.3	7.7	6.6	5.5	4.5	3.8	3.1	2.5	2.0	4.3
-775.00	*	-825.00	-850.00	587	0.050	-27	10.9	8.2	6.8	5.9	4.9	4.0	3.4	2.8	2.2	1.8	3.8
-775.00	*	-850.00	-875.00	188.6	0.050	-22	9.0	6.8	5.7	4.9	4.1	3.4	2.9	2.3	1.9	1.6	3.2
-775.00	*	-875.00	-900.00	154.5	0.050	-83	8.4	6.4	5.3	4.5	3.7	3.0	2.6	2.1	1.7	1.4	2.9
-775.00	*	-900.00	-925.00	38.2	0.050	129	6.2	4.6	4.0	3.5	2.8	2.3	2.0	1.7	1.4	1.2	2.3
-775.00	*	-925.00	-950.00	43.2	0.050	-35	10.2	7.6	6.5	5.5	4.5	3.6	3.0	2.5	2.0	1.6	3.5
-800.00	*	-825.00	-850.00	844	0.050	-24	13.3	10.1	8.3	7.1	6.0	4.9	4.2	3.4	2.7	2.2	4.6
-800.00	*	-850.00	-875.00	207.1	0.050	-23	11.3	8.6	7.2	6.2	5.2	4.3	3.6	3.0	2.4	1.9	4.0
-800.00	*	-875.00	-900.00	109.5	0.050	-80	8.5	6.3	5.2	4.5	3.8	3.1	2.6	2.1	1.7	1.3	2.9
-800.00	*	-900.00	-925.00	30.6	0.050	129	6.7	4.9	4.2	3.5	3.1	2.6	2.1	1.8	1.4	1.1	2.4
-800.00	*	-925.00	-950.00	29.70	0.050	-31	9.1	6.6	5.5	4.6	3.9	3.2	2.6	2.2	1.7	1.3	3.0
-800.00	*	-950.00	-975.00	24.75	0.050	50	7.5	5.2	4.4	3.6	3.1	2.6	2.1	1.8	1.4	1.0	2.4
-825.00	*	-850.00	-875.00	1545	0.120	-25	13.6	10.4	8.6	7.4	6.2	5.1	4.4	3.5	2.8	2.3	4.8
-825.00	*	-875.00	-900.00	397	0.120	-77	9.3	7.0	5.8	5.0	4.2	3.5	2.9	2.4	1.9	1.6	3.3
-825.00	*	-900.00	-925.00	128.4	0.120	126	7.4	5.7	4.8	4.1	3.5	2.9	2.5	2.1	1.7	1.4	2.8
-825.00	*	-925.00	-950.00	95.1	0.120	-28	9.0	6.8	5.7	4.8	4.1	3.3	2.9	2.3	1.9	1.6	3.2
-825.00	*	-950.00	-975.00	71.4	0.120	47	7.1	5.3	4.5	3.8	3.2	2.6	2.2	1.9	1.5	1.2	2.5
-825.00	*	-975.00	-1000.00	37.3	0.120	-30	7.3	5.4	4.5	3.7	3.1	2.5	2.1	1.7	1.3	1.0	2.3
-850.00	*	-875.00	-900.00	1020	0.110	-71	10.5	8.0	6.7	5.8	4.8	4.0	3.4	2.8	2.2	1.9	3.8
-850.00	*	-900.00	-925.00	290.4	0.110	124	8.4	6.6	5.5	4.8	4.0	3.4	2.9	2.4	2.0	1.6	3.2
-850.00	*	-925.00	-950.00	168.1	0.110	-27	8.8	6.6	5.5	4.7	3.9	3.2	2.7	2.2	1.8	1.4	3.0
-850.00	*	-950.00	-975.00	111.0	0.110	46	6.7	5.1	4.2	3.6	3.0	2.5	2.2	1.8	1.4	1.2	2.4
-850.00	*	-975.00	-1000.00	53.7	0.110	-25	7.3	5.4	4.4	3.8	3.1	2.5	2.1	1.7	1.3	1.0	2.4
-850.00	*	-1000.00	-1025.00	51.9	0.110	-29	7.9	5.8	4.8	4.0	3.3	2.7	2.3	1.8	1.4	1.1	2.5
-875.00	*	-900.00	-925.00	637	0.110	122	9.7	7.5	6.3	5.5	4.7	3.9	3.3	2.7	2.2	1.9	3.6
-875.00	*	-925.00	-950.00	352	0.110	-27	9.2	6.9	5.7	4.9	4.1	3.4	2.9	2.3	1.9	1.5	3.2
-875.00	*	-950.00	-975.00	194.4	0.110	48	6.3	4.8	4.0	3.4	2.9	2.4	2.0	1.7	1.3	1.1	2.3
-875.00	*	-975.00	-1000.00	83.1	0.110	-25	7.1	5.2	4.3	3.6	3.0	2.4	2.0	1.6	1.3	1.0	2.3
-875.00	*	-1000.00	-1025.00	72.2	0.110	-20	7.5	5.6	4.6	3.8	3.2	2.6	2.2	1.8	1.4	1.1	2.5
-875.00	*	-1025.00	-1050.00	73.8	0.110	83	9.1	6.8	5.7	4.7	4.0	3.4	2.8	2.4	1.9	1.6	3.2
-900.00	*	-925.00	-950.00	1796	0.170	-24	11.5	8.6	7.1	6.0	5.0	4.0	3.4	2.7	2.1	1.7	3.8
-900.00	*	-950.00	-975.00	583	0.170	41	7.5	5.7	4.7	4.0	3.4	2.7	2.3	1.9	1.5	1.2	2.6
-900.00	*	-975.00	-1000.00	196.3	0.170	-19	7.4	5.5	4.5	3.8	3.2	2.6	2.2	1.8	1.4	1.1	2.5
-900.00	*	-1000.00	-1025.00	131.3	0.170	-16	7.7	5.8	4.8	4.1	3.4	2.7	2.3	1.9	1.5	1.2	2.6
-900.00	*	-1025.00	-1050.00	148.0	0.170	75	8.7	6.5	5.4	4.6	3.9	3.2	2.7	2.3	1.8	1.5	3.1
-900.00	*	-1050.00	-1075.00	93.5	0.170	-27	8.7	6.5	5.4	4.6	3.8	3.1	2.6	2.1	1.6	1.3	2.9
-925.00	*	-950.00	-975.00	1109	0.100	41	8.3	6.3	5.3	4.6	3.8	3.2	2.7	2.2	1.8	1.5	3.0
-925.00	*	-975.00	-1000.00	243.7	0.100	-20	7.6	5.6	4.6	4.0	3.3	2.7	2.3	1.8	1.5	1.2	2.6
-925.00	*	-1000.00	-1025.00	138.5	0.100	-8	7.3	5.5	4.5	3.9	3.3	2.7	2.3	1.9	1.5	1.3	2.6
-925.00	*	-1025.00	-1050.00	144.4	0.100	67	8.2	6.2	5.1	4.4	3.7	3.1	2.6	2.1	1.7	1.4	2.9
-925.00	*	-1050.00	-1075.00	81.6	0.100	-16	8.5	6.3	5.2	4.5	3.6	2.9	2.3	1.8	1.3	0.9	2.6
-925.00	*	-1075.00	-1100.00	30.2	0.100	-64	6.2	4.4	3.7	3.2	2.7	2.3	2.0	1.8	1.6	1.5	2.3
-950.00	*	-975.00	-1000.00	677	0.100	-16	10.0	7.6	6.3	5.4	4.5	3.7	3.1	2.5	2.0	1.6	3.5
-950.00	*	-1000.00	-1025.00	297.2	0.100	-7	9.1	6.8	5.6	4.8	4.0	3.3	2.8	2.3	1.8	1.5	3.1
-950.00	*	-1025.00	-1050.00	282.9	0.100	63	9.7	7.3	6.0	5.2	4.3	3.5	3.0	2.4	1.9	1.6	3.4
-950.00	*	-1050.00	-1075.00	129.1	0.100	-9	9.3	7.0	5.8	5.0	4.2	3.4	2.9	2.4	1.9	1.6	3.3
-950.00	*	-1075.00	-1100.00	44.4	0.100	-60	6.3	4.7	3.8	3.3	2.7	2.2	1.8	1.5	1.2	1.0	2.1
-950.00	*	-1100.00	-1125.00	47.8	0.100	50	8.1	6.0	4.9	4.2	3.4	2.8	2.4	1.8	1.4	1.2	2.7
-975.00	*	-1000.00	-1025.00	832	0.050	-2	12.0	9.1	7.5	6.4	5.4	4.4	3.7	3.0	2.4	2.0	4.2
-975.00	*	-1025.00	-1050.00	503	0.050	57	13.1	10.0	8.3	7.2	6.0	5.0	4.2	3.4	2.7	2.3	4.7
-975.00	*	-1050.00	-1075.00	157.2	0.050	-5	10.9	8.3	7.0	6.0	5.0	4.1	3.5	2.9	2.3	1.9	3.9

-975.00	*	-1075.00	-1100.00	44.1	0.050	-59	7.5	5.7	4.8	4.1	3.3	2.7	2.3	1.9	1.5	1.3	2.6
-975.00	*	-1100.00	-1125.00	39.3	0.050	56	8.0	6.1	5.1	4.4	3.5	2.8	2.4	1.9	1.5	1.2	2.7
-975.00	*	-1125.00	-1150.00	34.2	0.050	-58	9.3	7.0	6.0	5.3	4.1	3.5	3.0	2.5	2.0	1.7	3.3
-1000.00	*	-1025.00	-1050.00	2335	0.100	52	14.0	10.6	8.8	7.6	6.3	5.2	4.4	3.6	2.8	2.3	4.9
-1000.00	*	-1050.00	-1075.00	627	0.100	-4	11.9	9.1	7.5	6.5	5.5	4.5	3.8	3.1	2.5	2.1	4.2
-1000.00	*	-1075.00	-1100.00	149.4	0.100	-60	8.3	6.3	5.2	4.5	3.8	3.1	2.6	2.2	1.7	1.4	2.9
-1000.00	*	-1100.00	-1125.00	115.8	0.100	61	8.5	6.5	5.3	4.6	3.8	3.2	2.7	2.2	1.7	1.4	3.0
-1000.00	*	-1125.00	-1150.00	92.0	0.100	-57	8.8	6.8	5.6	4.9	4.0	3.3	2.8	2.3	1.9	1.5	3.1
-1000.00	*	-1150.00	-1175.00	41.4	0.100	5	8.4	6.3	5.1	4.2	3.5	2.8	2.3	1.8	1.3	1.1	2.7
-1025.00	*	-1050.00	-1075.00	2688	0.150	-0	13.8	10.5	8.8	7.5	6.3	5.2	4.4	3.6	2.9	2.3	4.9
-1025.00	*	-1075.00	-1100.00	562	0.150	-60	10.7	8.2	6.9	5.9	5.0	4.1	3.5	2.9	2.3	1.9	3.9
-1025.00	*	-1100.00	-1125.00	310	0.150	62	9.7	7.4	6.1	5.3	4.4	3.6	3.1	2.6	2.1	1.7	3.5
-1025.00	*	-1125.00	-1150.00	189.5	0.150	-56	9.1	6.9	5.7	5.0	4.1	3.4	2.9	2.4	1.9	1.6	3.2
-1025.00	*	-1150.00	-1175.00	99.3	0.150	4	10.9	8.2	6.8	5.8	4.9	4.0	3.4	2.8	2.2	1.9	3.8
-1025.00	*	-1175.00	-1200.00	58.7	0.150	58	7.5	5.6	4.7	4.0	3.3	2.7	2.3	1.9	1.4	1.2	2.6
-1050.00	*	-1075.00	-1100.00	906	0.050	-56	12.1	9.2	7.6	6.5	5.5	4.5	3.8	3.1	2.5	2.1	4.3
-1050.00	*	-1100.00	-1125.00	394	0.050	65	11.2	8.5	7.1	6.1	5.1	4.2	3.6	3.0	2.4	2.0	4.0
-1050.00	*	-1125.00	-1150.00	180.2	0.050	-57	9.7	7.3	6.0	5.2	4.3	3.6	3.0	2.4	2.0	1.6	3.4
-1050.00	*	-1150.00	-1175.00	97.6	0.050	3	13.2	10.0	8.4	7.2	6.1	5.0	4.3	3.6	2.9	2.4	4.8
-1050.00	*	-1175.00	-1200.00	43.8	0.050	64	7.9	6.0	4.8	4.1	3.4	2.7	2.4	1.8	1.4	1.1	2.6
-1050.00	*	-1200.00	-1225.00	35.4	0.050	-104	12.3	9.3	7.7	6.5	5.5	4.5	3.9	3.0	2.4	2.1	4.3
-1075.00	*	-1100.00	-1125.00	2589	0.120	68	12.7	9.8	8.1	7.0	5.9	4.9	4.2	3.4	2.8	2.3	4.6
-1075.00	*	-1125.00	-1150.00	818	0.120	-57	10.8	8.2	6.8	5.8	4.9	4.0	3.5	2.9	2.3	1.9	3.8
-1075.00	*	-1150.00	-1175.00	487	0.120	-2	15.2	11.6	9.6	8.3	7.0	5.7	4.9	4.0	3.2	2.7	5.4
-1075.00	*	-1175.00	-1200.00	144.4	0.120	68	9.1	6.8	5.6	4.8	4.0	3.3	2.8	2.3	1.8	1.5	3.1
-1075.00	*	-1200.00	-1225.00	119.5	0.120	-104	14.5	11.1	9.2	8.0	6.7	5.5	4.7	3.8	3.1	2.6	5.2
-1075.00	*	-1225.00	-1250.00	88.2	0.120	-31	12.8	9.7	8.0	6.9	5.8	4.8	4.1	3.4	2.7	2.2	4.5
-1100.00	*	-1125.00	-1150.00	1012	0.060	-55	11.0	8.4	7.0	6.0	5.0	4.1	3.5	2.9	2.3	1.9	3.9
-1100.00	*	-1150.00	-1175.00	430	0.060	-1	13.1	10.0	8.3	7.2	6.0	5.0	4.2	3.5	2.8	2.3	4.7
-1100.00	*	-1175.00	-1200.00	123.0	0.060	69	8.1	6.1	5.0	4.3	3.6	2.9	2.4	2.0	1.6	1.3	2.8
-1100.00	*	-1200.00	-1225.00	96.9	0.060	-103	13.9	10.7	8.9	7.7	6.5	5.4	4.6	3.8	3.0	2.6	5.1
-1100.00	*	-1225.00	-1250.00	68.6	0.060	-35	12.3	9.4	7.8	6.7	5.7	4.6	3.9	3.2	2.6	2.2	4.4
-1100.00	*	-1250.00	-1275.00	47.7	0.060	31	12.1	9.2	7.7	6.6	5.6	4.6	3.8	3.2	2.5	2.1	4.3
-1125.00	*	-1150.00	-1175.00	1554	0.100	-2	11.2	8.5	7.0	6.1	5.1	4.2	3.5	2.9	2.3	1.9	3.9
-1125.00	*	-1175.00	-1200.00	389	0.100	71	8.2	6.1	5.0	4.3	3.6	2.9	2.5	2.0	1.6	1.3	2.8
-1125.00	*	-1200.00	-1225.00	282.1	0.100	-103	13.7	10.4	8.7	7.5	6.3	5.2	4.4	3.6	2.9	2.4	4.9
-1125.00	*	-1225.00	-1250.00	181.6	0.100	-38	12.9	9.8	8.2	7.0	5.9	4.8	4.1	3.4	2.7	2.2	4.6
-1125.00	*	-1250.00	-1275.00	113.2	0.100	37	13.3	10.2	8.6	7.5	6.3	5.2	4.5	3.7	3.0	2.5	4.9
-1125.00	*	-1275.00	-1300.00	38.0	0.100	29	10.0	7.2	5.9	4.9	4.1	3.1	2.6	2.1	1.6	1.3	3.1
-1150.00	*	-1175.00	-1200.00	1044	0.110	76	5.4	3.9	3.1	2.6	2.1	1.7	1.4	1.1	0.9	0.7	1.6
-1150.00	*	-1200.00	-1225.00	1039	0.110	-103	15.1	11.5	9.6	8.3	6.9	5.7	4.8	4.0	3.2	2.6	5.4
-1150.00	*	-1225.00	-1250.00	600	0.110	-44	14.8	11.3	9.4	8.1	6.8	5.5	4.7	3.8	3.0	2.5	5.2
-1150.00	*	-1250.00	-1275.00	314	0.110	40	15.8	12.2	10.2	8.9	7.5	6.2	5.3	4.4	3.5	3.0	5.9
-1150.00	*	-1275.00	-1300.00	78.5	0.110	40	11.4	8.7	7.1	6.1	5.1	4.1	3.5	2.8	2.2	1.8	3.9
-1150.00	*	-1300.00	-1325.00	66.0	0.110	-71	9.9	7.5	6.1	5.2	4.4	3.5	2.9	2.4	1.8	1.4	3.3
-1175.00	*	-1200.00	-1225.00	1652	0.130	-101	11.8	8.9	7.4	6.4	5.3	4.4	3.7	3.0	2.4	2.0	4.1
-1175.00	*	-1225.00	-1250.00	886	0.130	-47	11.8	8.9	7.4	6.3	5.3	4.3	3.6	2.9	2.3	1.9	4.1
-1175.00	*	-1250.00	-1275.00	463	0.130	42	13.2	10.1	8.5	7.3	6.2	5.1	4.4	3.6	2.9	2.5	4.9
-1175.00	*	-1275.00	-1300.00	116.2	0.130	48	9.5	7.2	5.9	5.1	4.2	3.5	2.9	2.4	1.9	1.5	3.3
-1175.00	*	-1300.00	-1325.00	98.0	0.130	-69	9.2	7.0	5.9	5.1	4.2	3.5	3.0	2.4	2.0	1.6	3.3
-1175.00	*	-1325.00	-1350.00	65.0	0.130	-37	11.3	8.6	7.1	6.1	5.1	4.2	3.5	2.9	2.3	1.9	3.9
-1200.00	*	-1225.00	-1250.00	3452	0.200	-45	11.7	8.9	7.3	6.3	5.2	4.3	3.7	3.0	2.3	1.9	4.1
-1200.00	*	-1250.00	-1275.00	1594	0.200	45	14.0	10.8	9.0	7.9	6.6	5.5	4.7	3.9	3.2	2.7	5.2
-1200.00	*	-1275.00	-1300.00	318	0.200	53	10.0	7.6	6.3	5.4	4.5	3.7	3.2	2.6	2.1	1.7	3.5
-1200.00	*	-1300.00	-1325.00	236.6	0.200	-71	9.7	7.4	6.2	5.3	4.5	3.7	3.2	2.6	2.0	1.7	3.5
-1200.00	*	-1325.00	-1350.00	140.1	0.200	-37	11.1	8.4	7.0	6.0	5.1	4.2	3.5	2.9	2.3	1.9	4.0
-1200.00	*	-1350.00	-1375.00	70.5	0.200	43	10.0	7.5	6.2	5.3	4.4	3.6	3.0	2.4	1.9	1.6	3.4
-1225.00	*	-1250.00	-1275.00	5028	0.180	54	14.8	11.4	9.5	8.2	6.9	5.7	4.9	4.0	3.3	2.7	5.4
-1225.00	*	-1275.00	-1300.00	748	0.180	57	12.0	9.2	7.7	6.6	5.5	4.5	3.9	3.1	2.5	2.1	4.3
-1225.00	*	-1300.00	-1325.00	459	0.180	-72	11.7	9.0	7.4	6.4	5.4	4.4	3.8	3.1	2.5	2.1	4.2

-1225.00	*	-1325.00	-1350.00	225.1	0.180	-38	12.2	9.2	7.7	6.6	5.5	4.5	3.8	3.2	2.5	2.0	4.3
-1225.00	*	-1350.00	-1375.00	92.0	0.180	45	10.6	8.1	6.7	5.8	4.8	4.0	3.4	2.8	2.2	1.8	3.8
-1225.00	*	-1375.00	-1400.00	52.5	0.180	57	12.4	9.2	7.5	6.4	5.3	4.3	3.7	3.0	2.4	1.9	4.1
-1250.00	*	-1275.00	-1300.00	3523	0.280	65	12.2	9.2	7.6	6.5	5.4	4.4	3.7	3.0	2.3	1.9	4.2
-1250.00	*	-1300.00	-1325.00	1770	0.280	-73	13.5	10.3	8.6	7.4	6.2	5.1	4.4	3.6	2.9	2.4	4.8
-1250.00	*	-1325.00	-1350.00	664	0.280	-40	13.8	10.5	8.6	7.4	6.2	5.1	4.3	3.5	2.8	2.3	4.8
-1250.00	*	-1350.00	-1375.00	192.4	0.280	45	10.6	8.1	6.7	5.7	4.8	3.9	3.3	2.7	2.2	1.8	3.7
-1250.00	*	-1375.00	-1400.00	97.9	0.280	53	10.7	8.1	6.7	5.8	4.8	4.0	3.4	2.7	2.1	1.7	3.7
-1250.00	*	-1400.00	-1425.00	104.7	0.280	-48	10.4	7.8	6.4	5.5	4.5	3.7	3.1	2.4	1.9	1.5	3.5
-1275.00	*	-1300.00	-1325.00	9170	0.300	-76	13.2	10.1	8.4	7.2	6.1	5.0	4.3	3.5	2.8	2.3	4.7
-1275.00	*	-1325.00	-1350.00	2856	0.300	-43	15.4	11.8	9.8	8.5	7.2	5.9	5.1	4.2	3.4	2.8	5.6
-1275.00	*	-1350.00	-1375.00	605	0.300	45	11.3	8.7	7.2	6.2	5.2	4.3	3.7	3.0	2.4	2.0	4.1
-1275.00	*	-1375.00	-1400.00	267.3	0.300	48	10.2	7.8	6.5	5.6	4.7	3.9	3.3	2.7	2.2	1.8	3.7
-1275.00	*	-1400.00	-1425.00	269.7	0.300	-40	10.7	8.2	6.7	5.8	4.8	4.0	3.3	2.7	2.1	1.8	3.7
-1275.00	*	-1425.00	-1450.00	150.5	0.300	-199	11.1	8.5	6.9	5.9	4.9	3.9	3.3	2.6	2.1	1.7	3.7
-1300.00	*	-1325.00	-1350.00	2219	0.100	-40	14.5	11.0	9.2	7.9	6.6	5.5	4.6	3.8	3.0	2.5	5.2
-1300.00	*	-1350.00	-1375.00	358	0.100	44	11.4	8.7	7.2	6.2	5.2	4.3	3.6	3.0	2.4	2.0	4.1
-1300.00	*	-1375.00	-1400.00	132.3	0.100	49	9.9	7.6	6.4	5.5	4.7	3.9	3.3	2.7	2.2	1.8	3.6
-1300.00	*	-1400.00	-1425.00	128.0	0.100	-38	10.8	8.1	6.7	5.7	4.8	3.9	3.3	2.6	2.1	1.7	3.7
-1300.00	*	-1425.00	-1450.00	69.4	0.100	-188	11.6	8.8	7.2	6.2	5.1	4.2	3.5	2.7	2.1	1.7	3.9
-1300.00	*	-1450.00	-1475.00	44.6	0.100	9	13.7	10.4	8.7	7.5	6.4	5.3	4.6	3.8	3.1	2.7	5.1
-1325.00	*	-1350.00	-1375.00	1594	0.160	46	10.2	7.8	6.5	5.7	4.8	4.0	3.4	2.8	2.2	1.9	3.7
-1325.00	*	-1375.00	-1400.00	424	0.160	37	8.5	6.5	5.3	4.6	3.8	3.1	2.7	2.2	1.8	1.5	3.0
-1325.00	*	-1400.00	-1425.00	385	0.160	-29	10.1	7.7	6.3	5.4	4.5	3.7	3.1	2.6	2.0	1.7	3.5
-1325.00	*	-1425.00	-1450.00	195.7	0.160	-182	11.5	8.8	7.2	6.2	5.2	4.2	3.5	2.9	2.3	1.9	4.0
-1325.00	*	-1450.00	-1475.00	120.2	0.160	-3	12.8	9.7	8.0	6.9	5.8	4.7	4.0	3.3	2.6	2.2	4.5
-1325.00	*	-1475.00	-1500.00	60.5	0.160	74	10.8	8.2	6.7	5.7	4.8	3.9	3.2	2.6	2.0	1.6	3.6
-1350.00	*	-1375.00	-1400.00	1199	0.150	34	9.6	7.3	6.0	5.1	4.3	3.5	3.0	2.4	1.9	1.6	3.3
-1350.00	*	-1400.00	-1425.00	815	0.150	-28	10.7	8.1	6.7	5.8	4.8	3.9	3.3	2.7	2.1	1.7	3.7
1350.00	*	-1425.00	-1450.00	351	0.150	-175	11.8	9.0	7.4	6.4	5.3	4.3	3.6	3.0	2.3	1.9	4.1
-1350.00	*	-1450.00	-1475.00	197.5	0.150	-11	13.3	10.1	8.4	7.2	6.0	4.9	4.2	3.4	2.7	2.3	4.7
-1350.00	*	-1475.00	-1500.00	92.1	0.150	81	10.0	7.5	6.1	5.2	4.3	3.4	2.8	2.2	1.6	1.2	3.2
-1350.00	*	-1500.00	-1525.00	47.7	0.150	16	8.7	6.9	5.4	4.9	4.1	3.6	3.2	2.7	2.5	2.3	3.5
-1375.00	*	-1400.00	-1425.00	3134	0.200	-41	10.3	7.8	6.4	5.5	4.5	3.7	3.1	2.5	2.0	1.6	3.5
-1375.00	*	-1425.00	-1450.00	1025	0.200	-171	12.4	9.4	7.8	6.7	5.6	4.6	3.9	3.2	2.5	2.1	4.3
-1375.00	*	-1450.00	-1475.00	475	0.200	-17	13.4	10.2	8.4	7.2	6.0	4.9	4.2	3.4	2.7	2.2	4.7
-1375.00	*	-1475.00	-1500.00	209.3	0.200	91	9.8	7.5	6.3	5.4	4.5	3.7	3.1	2.5	2.0	1.7	3.5
-1375.00	*	-1500.00	-1525.00	83.2	0.200	11	7.3	5.2	4.2	3.6	2.9	2.3	1.9	1.5	1.1	0.9	2.2
-1375.00	*	-1525.00	-1550.00	86.8	0.200	-85	10.7	8.1	6.7	5.7	4.7	3.8	3.2	2.6	2.1	1.7	3.7
-1400.00	*	-1425.00	-1450.00	372	0.030	-162	12.5	9.4	7.7	6.6	5.5	4.5	3.8	3.1	2.4	2.0	4.3
-1400.00	*	-1450.00	-1475.00	146.2	0.030	-24	14.3	10.8	9.0	7.7	6.4	5.3	4.5	3.6	2.9	2.4	5.0
-1400.00	*	-1475.00	-1500.00	59.0	0.030	93	10.2	7.8	6.4	5.4	4.5	3.6	3.1	2.5	2.0	1.6	3.5
-1400.00	*	-1500.00	-1525.00	21.43	0.030	9	8.4	6.5	5.4	4.6	4.0	3.3	2.9	2.4	1.9	1.6	3.1
-1400.00	*	-1525.00	-1550.00	22.04	0.030	-82	10.6	7.9	6.3	5.3	4.4	3.5	2.9	2.4	1.8	1.4	3.4
-1400.00	*	-1550.00	-1575.00	11.95	0.030	-96	10.3	7.8	6.2	5.0	4.3	3.3	2.9	2.4	1.9	1.6	3.4
-1425.00	*	-1450.00	-1475.00	897	0.060	-29	15.9	12.1	10.1	8.7	7.2	5.9	5.0	4.1	3.3	2.7	5.6
-1425.00	*	-1475.00	-1500.00	295.6	0.060	97	11.5	8.9	7.4	6.4	5.4	4.4	3.7	3.1	2.4	2.0	4.1
-1425.00	*	-1500.00	-1525.00	87.4	0.060	5	8.3	6.1	5.0	4.2	3.5	2.9	2.4	1.9	1.5	1.3	2.7
-1425.00	*	-1525.00	-1550.00	89.2	0.060	-77	11.4	8.7	7.2	6.3	5.3	4.4	3.7	3.0	2.4	2.0	4.1
-1425.00	*	-1550.00	-1575.00	41.7	0.060	-92	11.9	9.0	7.4	6.5	5.4	4.5	3.8	3.1	2.5	2.0	4.2
-1425.00	*	-1575.00	-1600.00	17.34	0.060	46	11.0	8.4	7.0	6.1	5.3	4.6	4.0	3.3	2.8	2.5	4.3
-1450.00	*	-1475.00	-1500.00	5489	0.400	98	17.1	13.2	11.0	9.5	7.9	6.5	5.5	4.5	3.6	2.9	6.1
-1450.00	*	-1500.00	-1525.00	1394	0.400	2	14.6	11.2	9.3	8.0	6.7	5.5	4.7	3.8	3.1	2.6	5.2
-1450.00	*	-1525.00	-1550.00	873	0.400	-74	11.1	8.5	7.1	6.1	5.1	4.2	3.6	2.9	2.3	1.9	4.0
1450.00	*	-1550.00	-1575.00	363	0.400	-94	11.7	8.9	7.4	6.4	5.3	4.4	3.7	3.0	2.3	1.9	4.1
-1450.00	*	-1575.00	-1600.00	128.1	0.400	41	10.3	7.7	6.3	5.3	4.4	3.6	3.0	2.5	1.9	1.6	3.4
-1450.00	*	-1600.00	-1625.00	123.9	0.400	90	10.5	7.9	6.5	5.6	4.6	3.8	3.2	2.6	2.0	1.7	3.6
-1475.00	*	-1500.00	-1525.00	2898	0.160	-1	18.9	14.6	12.2	10.5	8.9	7.3	6.2	5.1	4.1	3.4	6.9
-1475.00	*	-1525.00	-1550.00	937	0.160	-71	14.4	11.1	9.3	8.0	6.8	5.6	4.7	3.9	3.1	2.5	5.2
-1475.00	*	-1550.00	-1575.00	338	0.160	-94	14.6	11.2	9.3	8.1	6.8	5.5	4.7	3.9	3.1	2.6	5.2

-1475.00	*	-1575.00	-1600.00	94.6	0.160	37	13.3	10.1	8.3	7.2	5.9	4.9	4.2	3.4	2.7	2.3	4.6
-1475.00	*	-1600.00	-1625.00	73.1	0.160	95	12.1	9.1	7.6	6.5	5.4	4.4	3.8	3.1	2.5	2.1	4.2
-1475.00	*	-1625.00	-1650.00	39.5	0.160	-90	9.7	7.2	6.0	5.1	4.3	3.6	3.2	2.5	2.0	1.7	3.4
-1500.00	*	-1525.00	-1550.00	2230	0.130	-67	14.0	10.9	9.1	7.9	6.7	5.5	4.7	3.9	3.1	2.6	5.2
-1500.00	*	-1550.00	-1575.00	743	0.130	-95	14.7	11.4	9.5	8.3	7.0	5.8	4.9	4.0	3.2	2.7	5.4
-1500.00	*	-1575.00	-1600.00	162.7	0.130	33	14.6	11.2	9.3	8.0	6.7	5.5	4.6	3.8	3.0	2.5	5.2
-1500.00	*	-1600.00	-1625.00	92.8	0.130	101	13.0	9.8	8.2	6.9	5.8	4.7	4.0	3.2	2.5	2.1	4.5
-1500.00	*	-1625.00	-1650.00	41.7	0.130	-91	10.4	7.8	6.5	5.4	4.7	3.8	3.2	2.6	2.1	1.7	3.6
-1500.00	*	-1650.00	-1675.00	51.7	0.130	156	8.6	6.2	5.1	4.1	3.6	2.9	2.3	1.9	1.4	1.1	2.7
-1525.00	*	-1550.00	-1575.00	1992	0.130	-95	12.6	9.7	8.1	7.0	5.9	4.9	4.2	3.4	2.7	2.3	4.6
-1525.00	*	-1575.00	-1600.00	373	0.130	28	13.9	10.7	8.9	7.6	6.4	5.2	4.4	3.6	2.9	2.4	4.9
-1525.00	*	-1600.00	-1625.00	166.2	0.130	107	13.2	10.1	8.3	7.2	6.0	4.9	4.1	3.4	2.7	2.2	4.6
-1525.00	*	-1625.00	-1650.00	64.7	0.130	-93	10.5	7.9	6.5	5.7	4.6	3.8	3.2	2.7	2.1	1.8	3.6
-1525.00	*	-1650.00	-1675.00	64.4	0.130	161	8.2	6.1	5.1	4.6	3.6	2.9	2.4	2.0	1.6	1.3	2.8
-1525.00	*	-1675.00	-1700.00	74.9	0.130	-96	9.4	7.0	5.7	5.2	4.0	3.3	2.8	2.3	1.8	1.5	3.2
-1550.00	*	-1575.00	-1600.00	1448	0.140	24	14.2	11.0	9.1	7.9	6.6	5.4	4.7	3.8	3.0	2.5	5.1
-1550.00	*	-1600.00	-1625.00	410	0.140	111	14.1	10.9	9.1	7.8	6.6	5.4	4.6	3.7	3.0	2.5	5.1
-1550.00	*	-1625.00	-1650.00	105.8	0.140	-95	10.8	8.2	6.7	5.8	4.8	3.9	3.3	2.7	2.1	1.8	3.7
-1550.00	*	-1650.00	-1675.00	105.5	0.140	162	8.7	6.6	5.5	4.7	3.9	3.2	2.8	2.3	1.8	1.5	3.1
-1550.00	*	-1675.00	-1700.00	103.7	0.140	-95	9.2	6.9	5.7	4.9	4.1	3.3	2.8	2.3	1.8	1.5	3.2
-1550.00	*	-1700.00	-1725.00	63.7	0.140	54	7.0	5.1	4.1	3.5	2.8	2.2	1.9	1.5	1.1	0.8	2.1
-1575.00	*	-1600.00	-1625.00	2901	0.280	112	13.5	10.4	8.6	7.5	6.3	5.2	4.4	3.6	2.9	2.4	4.9
-1575.00	*	-1625.00	-1650.00	405	0.280	-95	10.6	8.0	6.6	5.7	4.8	3.9	3.3	2.7	2.2	1.8	3.7
-1575.00	*	-1650.00	-1675.00	379	0.280	159	8.6	6.5	5.3	4.6	3.8	3.1	2.6	2.1	1.7	1.4	2.9
-1575.00	*	-1675.00	-1700.00	311	0.280	-93	8.7	6.6	5.4	4.6	3.8	3.1	2.7	2.2	1.8	1.5	3.0
-1575.00	*	-1700.00	-1725.00	181.6	0.280	60	7.1	5.3	4.3	3.6	2.9	2.4	2.0	1.6	1.2	1.0	2.3
-1575.00	*	-1725.00	-1750.00	123.0	0.280	-67	10.2	7.8	6.4	5.4	4.5	3.6	3.1	2.5	2.0	1.6	3.5
-1600.00	*	-1625.00	-1650.00	585	0.190	-96	9.6	7.3	6.0	5.2	4.3	3.5	3.0	2.5	2.0	1.6	3.4
-1600.00	*	-1650.00	-1675.00	434	0.190	160	8.3	6.3	5.2	4.4	3.7	3.0	2.6	2.1	1.6	1.3	2.9
-1600.00	*	-1675.00	-1700.00	317	0.190	-94	8.0	6.0	4.9	4.2	3.5	2.8	2.4	2.0	1.6	1.3	2.7
-1600.00	*	-1700.00	-1725.00	168.3	0.190	64	6.8	5.0	4.1	3.5	2.9	2.3	1.9	1.5	1.2	1.0	2.2
-1600.00	*	-1725.00	-1750.00	106.1	0.190	-62	10.0	7.5	6.2	5.3	4.4	3.6	3.1	2.6	2.1	1.9	3.5
-1600.00	*	-1750.00	-1775.00	73.2	0.190	49	9.6	7.2	5.9	5.0	4.2	3.5	3.0	2.3	1.9	1.4	3.3
-1625.00	*	-1650.00	-1675.00	821	0.100	159	9.9	7.6	6.3	5.5	4.6	3.8	3.2	2.6	2.1	1.7	3.5
-1625.00	*	-1675.00	-1700.00	450	0.100	-93	8.9	6.8	5.6	4.8	4.0	3.3	2.8	2.3	1.8	1.5	3.1
-1625.00	*	-1700.00	-1725.00	193.3	0.100	65	7.2	5.4	4.4	3.8	3.1	2.5	2.1	1.7	1.3	1.1	2.4
-1625.00	*	-1725.00	-1750.00	106.5	0.100	-61	9.9	7.5	6.2	5.4	4.5	3.7	3.2	2.6	2.1	1.8	3.5
-1625.00	*	-1750.00	-1775.00	65.5	0.100	51	9.8	7.4	6.1	5.3	4.3	3.5	3.0	2.3	1.7	1.3	3.3
-1625.00	*	-1775.00	-1800.00	42.3	0.100	-75	10.4	7.8	6.2	5.5	4.3	3.4	2.8	2.2	1.7	1.3	3.3
-1650.00	*	-1675.00	-1700.00	1309	0.110	-90	9.0	6.8	5.7	4.9	4.1	3.3	2.9	2.3	1.9	1.5	3.2
-1650.00	*	-1700.00	-1725.00	381	0.110	67	7.1	5.3	4.4	3.7	3.1	2.5	2.1	1.7	1.3	1.1	2.4
-1650.00	*	-1725.00	-1750.00	179.2	0.110	-56	9.6	7.3	6.1	5.2	4.3	3.5	3.0	2.5	2.0	1.7	3.4
-1650.00	*	-1750.00	-1775.00	98.3	0.110	49	9.2	7.0	5.7	4.9	4.1	3.4	2.9	2.3	1.7	1.2	3.1
-1650.00	*	-1775.00	-1800.00	58.6	0.110	-64	10.7	8.2	6.8	5.9	4.8	4.0	3.4	2.8	2.2	1.8	3.8
-1650.00	*	-1800.00	-1825.00	50.8	0.110	86	11.2	8.5	7.0	6.0	4.9	4.0	3.4	2.7	2.0	1.6	3.7
-1675.00	*	-1700.00	-1725.00	321	0.040	68	7.2	5.4	4.5	3.8	3.2	2.6	2.2	1.7	1.4	1.1	2.4
-1675.00	*	-1725.00	-1750.00	113.7	0.040	-54	9.6	7.3	6.0	5.2	4.3	3.5	3.0	2.5	2.0	1.7	3.4
-1675.00	*	-1750.00	-1775.00	51.6	0.040	50	8.7	6.5	5.3	4.4	3.7	2.9	2.4	1.9	1.4	1.1	2.8
-1675.00	*	-1775.00	-1800.00	26.64	0.040	-62	10.4	7.9	6.4	5.6	4.6	3.8	3.2	2.6	2.1	1.8	3.6
-1675.00	*	-1800.00	-1825.00	22.45	0.040	96	11.3	8.6	7.1	6.1	5.1	4.2	3.5	2.9	2.3	1.9	4.0
-1675.00	*	-1825.00	-1850.00	13.89	0.040	-83	12.3	9.1	7.2	6.1	4.8	3.7	2.9	2.2	1.4	1.0	3.5
-1700.00	*	-1725.00	-1750.00	612	0.060	-52	8.6	6.6	5.4	4.7	3.9	3.2	2.7	2.2	1.8	1.5	3.1
-1700.00	*	-1750.00	-1775.00	210.2	0.060	49	7.5	5.7	4.7	4.0	3.3	2.7	2.3	1.9	1.5	1.2	2.6
-1700.00	*	-1775.00	-1800.00	89.5	0.060	-62	8.8	6.6	5.5	4.7	4.0	3.3	2.8	2.3	1.8	1.5	3.1
-1700.00	*	-1800.00	-1825.00	66.9	0.060	97	10.1	7.7	6.4	5.6	4.7	3.9	3.3	2.7	2.2	1.8	3.6
-1700.00	*	-1825.00	-1850.00	38.5	0.060	-75	12.1	9.2	7.7	6.6	5.6	4.6	3.9	3.2	2.5	2.1	4.3
-1700.00	*	-1850.00	-1875.00	22.14	0.060	-97	14.5	11.3	9.5	8.3	7.0	5.9	5.1	4.3	3.5	3.0	5.6
-1725.00	*	-1750.00	-1775.00	2544	0.300	24	5.9	4.5	3.7	3.2	2.7	2.2	1.8	1.5	1.1	0.9	2.0
-1725.00	*	-1775.00	-1800.00	788	0.300	-61	6.9	5.3	4.4	3.7	3.2	2.6	2.2	1.8	1.4	1.2	2.4
-1725.00	*	-1800.00	-1825.00	516	0.300	92	7.9	6.1	5.0	4.3	3.6	3.0	2.6	2.1	1.7	1.4	2.8

-1725.00	*	-1825.00	-1850.00	267.6	0.300	-70	10.4	8.1	6.7	5.8	4.9	4.1	3.5	2.8	2.2	1.9	3.8
-1725.00	*	-1850.00	-1875.00	138.7	0.300	-106	12.9	10.1	8.4	7.4	6.3	5.2	4.5	3.7	3.0	2.5	4.9
-1725.00	*	-1875.00	-1900.00	135.1	0.300	-104	13.8	10.9	9.1	8.0	6.8	5.7	4.9	4.0	3.3	2.8	5.3
-1750.00	*	-1775.00	-1800.00	1756	0.280	-58	6.5	4.9	4.1	3.5	3.0	2.4	2.0	1.7	1.3	1.1	2.3
-1750.00	*	-1800.00	-1825.00	835	0.280	91	7.6	5.8	4.8	4.2	3.5	2.9	2.5	2.0	1.6	1.3	2.7
-1750.00	*	-1825.00	-1850.00	377	0.280	-68	9.7	7.5	6.2	5.4	4.5	3.7	3.2	2.6	2.1	1.7	3.5
-1750.00	*	-1850.00	-1875.00	177.6	0.280	-107	12.4	9.6	8.1	7.1	6.0	5.0	4.3	3.6	2.9	2.4	4.7
-1750.00	*	-1875.00	-1900.00	164.7	0.280	-112	13.7	10.8	9.1	8.0	6.8	5.6	4.8	4.0	3.3	2.7	5.3
-1750.00	*	-1900.00	-1925.00	139.0	0.280	66	13.6	10.6	8.8	7.7	6.5	5.3	4.6	3.7	3.0	2.5	5.0
-1775.00	*	-1800.00	-1825.00	1334	0.150	90	6.5	5.0	4.2	3.6	3.1	2.5	2.2	1.8	1.4	1.2	2.4
-1775.00	*	-1825.00	-1850.00	418	0.150	-67	8.1	6.2	5.2	4.4	3.7	3.0	2.6	2.1	1.7	1.4	2.9
-1775.00	*	-1850.00	-1875.00	151.8	0.150	-106	10.8	8.4	7.0	6.1	5.2	4.3	3.7	3.1	2.5	2.1	4.1
-1775.00	*	-1875.00	-1900.00	131.4	0.150	-121	12.9	10.1	8.5	7.4	6.3	5.2	4.5	3.7	3.0	2.5	4.9
-1775.00	*	-1900.00	-1925.00	101.7	0.150	70	13.1	10.2	8.6	7.4	6.3	5.1	4.4	3.6	2.9	2.4	4.8
-1775.00	*	-1925.00	-1950.00	45.1	0.150	-44	14.8	11.4	9.6	8.3	7.1	5.8	4.9	4.0	3.3	2.6	5.4
-1800.00	*	-1825.00	-1850.00	3011	0.390	-62	7.8	6.0	4.9	4.3	3.6	2.9	2.5	2.0	1.6	1.3	2.8
-1800.00	*	-1850.00	-1875.00	677	0.390	-109	8.7	6.7	5.6	4.9	4.1	3.4	2.9	2.4	1.9	1.6	3.2
-1800.00	*	-1875.00	-1900.00	532	0.390	-128	11.7	9.2	7.7	6.7	5.7	4.7	4.1	3.4	2.7	2.3	4.5
-1800.00	*	-1900.00	-1925.00	358	0.390	74	12.4	9.7	8.1	7.1	6.0	5.0	4.3	3.5	2.8	2.4	4.7
-1800.00	*	-1925.00	-1950.00	146.0	0.390	-39	14.0	11.0	9.2	8.1	6.9	5.7	4.9	4.0	3.3	2.7	5.3
-1800.00	*	-1950.00	-1975.00	*	0.390	*	*	*	*	*	*	*	*	*	*	*	*
-1825.00	*	-1850.00	-1875.00	1500	0.250	-106	6.0	4.6	3.8	3.3	2.7	2.2	1.9	1.6	1.3	1.1	2.1
-1825.00	*	-1875.00	-1900.00	938	0.250	-138	9.9	7.7	6.5	5.7	4.8	4.0	3.4	2.9	2.3	1.9	3.8
-1825.00	*	-1900.00	-1925.00	516	0.250	77	10.9	8.5	7.1	6.2	5.2	4.4	3.7	3.1	2.5	2.1	4.1
-1825.00	*	-1925.00	-1950.00	187.1	0.250	-35	12.5	9.8	8.3	7.2	6.1	5.1	4.4	3.6	2.9	2.5	4.8
-1825.00	*	-1950.00	-1975.00	*	0.250	*	*	*	*	*	*	*	*	*	*	*	*
-1825.00	*	-1975.00	-2000.00	*	0.250	*	*	*	*	*	*	*	*	*	*	*	*
-1850.00	*	-1875.00	-1900.00	2016	0.250	-133	8.8	6.8	5.7	5.0	4.3	3.6	3.0	2.5	2.0	1.7	3.3
-1850.00	*	-1900.00	-1925.00	727	0.250	80	9.6	7.5	6.3	5.5	4.6	3.8	3.3	2.7	2.2	1.8	3.6
-1850.00	*	-1925.00	-1950.00	215.0	0.250	-33	10.8	8.5	7.1	6.2	5.3	4.4	3.8	3.1	2.5	2.1	4.1
-1850.00	*	-1950.00	-1975.00	*	0.250	*	*	*	*	*	*	*	*	*	*	*	*
-1850.00	*	-1975.00	-2000.00	*	0.250	*	*	*	*	*	*	*	*	*	*	*	*
-1850.00	*	-2000.00	-2025.00	*	0.250	*	*	*	*	*	*	*	*	*	*	*	*
-1875.00	*	-1900.00	-1925.00	1677	0.250	81	9.0	7.0	5.8	5.1	4.3	3.5	3.0	2.5	2.0	1.7	3.3
-1875.00	*	-1925.00	-1950.00	347	0.250	-31	9.7	7.5	6.3	5.5	4.7	3.9	3.3	2.7	2.2	1.9	3.6
-1875.00	*	-1950.00	-1975.00	*	0.250	*	*	*	*	*	*	*	*	*	*	*	*
-1875.00	*	-1975.00	-2000.00	*	0.250	*	*	*	*	*	*	*	*	*	*	*	*
-1875.00	*	-2000.00	-2025.00	*	0.250	*	*	*	*	*	*	*	*	*	*	*	*
-1875.00	*	-2025.00	-2050.00	*	0.250	*	*	*	*	*	*	*	*	*	*	*	*
-1900.00	*	-1925.00	-1950.00	1732	0.350	-30	8.7	6.7	5.6	4.8	4.1	3.3	2.8	2.3	1.8	1.5	3.1
-1900.00	*	-1950.00	-1975.00	*	0.350	*	*	*	*	*	*	*	*	*	*	*	*
-1900.00	*	-1975.00	-2000.00	*	0.350	*	*	*	*	*	*	*	*	*	*	*	*
-1900.00	*	-2000.00	-2025.00	*	0.350	*	*	*	*	*	*	*	*	*	*	*	*
-1900.00	*	-2025.00	-2050.00	*	0.350	*	*	*	*	*	*	*	*	*	*	*	*
-1900.00	*	-2050.00	-2075.00	*	0.350	*	*	*	*	*	*	*	*	*	*	*	*

INTERPRETEX RESOURCES LTD. Data Listing
Area: UCLUELET, B.C. Current File Name: TOQLST1S.WR1
Grid: TOQ From File Name: TOQ.XYZ
Date: November, 1991

INSTRUMENT TYPE: EDA Omni Plus VLF-EM/Magnetometer System

(Line & Station + = Northings and Eastings,
- = Southings and Westings)

DATA TYPE(S):	DATA DETAILS:
#2. Total Field Magnetic Values	Corrected total magnetic field
#3. VLF-EM In-Phase Values	Seattle Transmitter - facing easterly
#4. VLF-EM Quadrature	Seattle Transmitter - facing easterly
#5. VLF-EM Field Strength	Seattle total field strength
#6. VLF-EM In-Phase Values	Annapolis Transmitter - facing easterly
#7. VLF-EM Quadrature	Annapolis Transmitter - facing easterly
#8. VLF-EM Field Strength	Annapolis total field strength

Easting	Northing	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
line -1000									
-800.0	-1000.0	-800.0	55627.0	4.2	2.2	295.4	-1.4	0.4	9.2
-787.5	-1000.0	-787.5	55603.9	4.7	1.9	293.2	-1.6	-0.6	9.3
-775.0	-1000.0	-775.0	55607.8	5.8	1.2	291.9	-2.6	1.4	9.1
-762.5	-1000.0	-762.5	55584.6	5.2	1.0	290.6	-2.9	0.1	9.3
-750.0	-1000.0	-750.0	55570.3	6.3	1.0	292.7	-4.0	0.2	9.2
-737.5	-1000.0	-737.5	55583.3	6.8	1.6	293.5	-5.0	0.0	9.5
-725.0	-1000.0	-725.0	55581.4	8.3	1.2	296.4	-6.8	1.4	9.3
-712.5	-1000.0	-712.5	55519.3	9.0	1.1	297.1	-7.0	0.0	9.3
-700.0	-1000.0	-700.0	55528.7	9.2	2.0	302.6	-7.7	-0.3	9.5
-687.5	-1000.0	-687.5	55605.6	10.2	0.9	304.1	-9.2	0.6	9.7
-675.0	-1000.0	-675.0	55522.5	10.4	0.5	305.9	-9.0	0.9	9.7
-662.5	-1000.0	-662.5	55562.9	12.2	2.0	315.4	-10.5	-0.2	9.8
-650.0	-1000.0	-650.0	55576.0	12.3	2.6	327.9	-10.0	-0.3	10.1
-637.5	-1000.0	-637.5	55557.2	13.1	3.0	332.9	-10.4	-1.1	10.3
-625.0	-1000.0	-625.0	55555.4	12.8	3.5	349.4	-10.2	-1.3	10.6
-612.5	-1000.0	-612.5	55537.5	11.5	3.5	366.7	-8.6	-1.3	11.1
-600.0	-1000.0	-600.0	55539.3	5.9	1.0	378.8	-4.5	0.4	11.2
-587.5	-1000.0	-587.5	55542.8	-1.8	-1.3	389.6	2.5	2.9	11.6
-575.0	-1000.0	-575.0	55553.6	-6.1	-2.8	380.7	7.2	4.2	11.7
-562.5	-1000.0	-562.5	55514.9	-9.7	-3.5	365.6	10.7	5.6	11.4
-550.0	-1000.0	-550.0	55675.2	-8.8	1.0	359.1	10.4	1.9	11.0
-537.5	-1000.0	-537.5	55403.7	-7.3	5.2	361.2	8.6	-1.8	11.1
-525.0	-1000.0	-525.0	55409.1	-7.2	7.5	364.1	9.0	-4.2	11.4
-512.5	-1000.0	-512.5	55319.8	-9.1	7.3	362.0	11.2	-3.6	11.0
-500.0	-1000.0	-500.0	55473.7	-9.3	9.3	360.1	11.3	-5.6	11.1
-487.5	-1000.0	-487.5	55563.6	-10.4	10.6	358.5	12.9	-6.5	11.1
-475.0	-1000.0	-475.0	55688.1	-12.1	10.6	350.9	14.3	-7.3	10.7
-462.5	-1000.0	-462.5	55961.6	-11.4	13.3	345.3	14.1	-8.8	10.5
-450.0	-1000.0	-450.0	55983.5	-9.4	16.1	339.2	13.2	-11.3	10.4
-437.5	-1000.0	-437.5	56006.2	-8.7	18.5	339.2	12.3	-13.1	10.3
-425.0	-1000.0	-425.0	55475.1	-6.2	20.8	339.5	11.2	-14.5	10.1
-412.5	-1000.0	-412.5	55485.9	-7.4	20.1	340.5	11.9	-14.5	10.1
-400.0	-1000.0	-400.0	55676.5	-7.3	19.3	343.6	11.8	-15.0	10.3
-387.5	-1000.0	-387.5	55678.4	-9.0	18.1	356.3	13.0	-13.1	9.9
-375.0	-1000.0	-375.0	55428.8	-8.7	19.8	332.1	13.2	-14.8	9.8

INTERPRETEX RESOURCES LTD. Data Listing
Area: UCLUELET, B.C. Current File Name: LKYLST1N.WR1
Grid: LUCKY From File Name: TOQ.XYZ
Date: November, 1991

INSTRUMENT TYPE: EDA Omni Plus VLF-EM/Magnetometer System

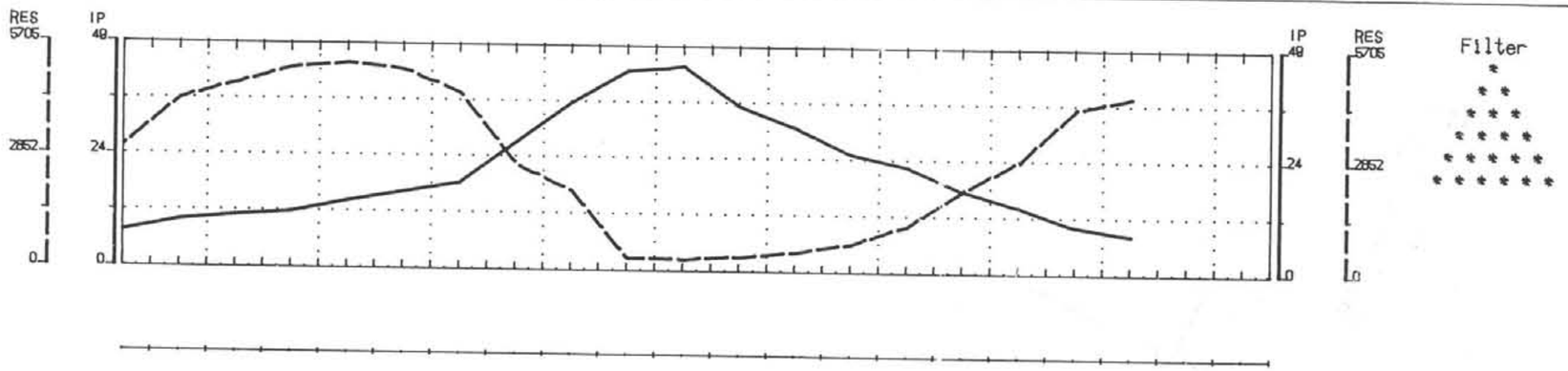
(Line & Station + = Northings and Eastings,
- = Southings and Westings)

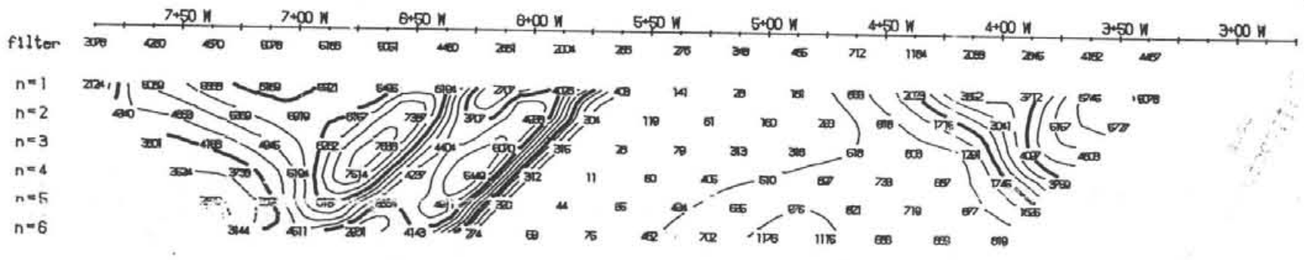
DATA TYPE(S):	DATA DETAILS:
#2. Total Field Magnetic Values	Corrected total magnetic field
#3. VLF-EM In-Phase Values	Seattle Transmitter - facing easterly
#4. VLF-EM Quadrature	Seattle Transmitter - facing easterly
#5. VLF-EM Field Strength	Seattle total field strength
#6. VLF-EM In-Phase Values	Annapolis Transmitter - facing easterly
#7. VLF-EM Quadrature	Annapolis Transmitter - facing easterly
#8. VLF-EM Field Strength	Annapolis total field strength

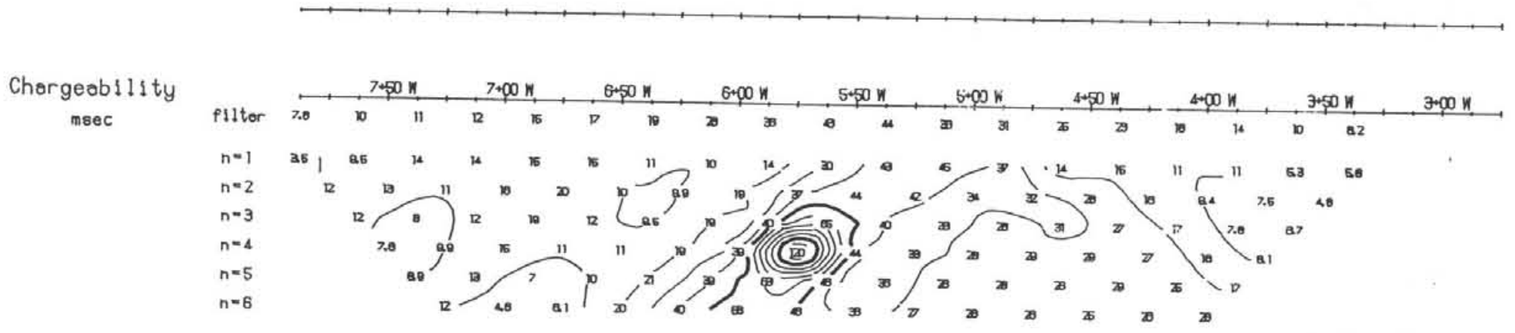
Easting	Northing	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
line 100									
-1925.0	100.0	-1925.0	55300.1	-5.5	3.7	163.0	-4.2	1.3	6.4
-1912.5	100.0	-1912.5	55347.0	-5.4	3.0	165.4	-4.5	1.3	6.3
-1900.0	100.0	-1900.0	55378.7	-4.9	2.2	167.7	-4.4	1.0	6.3
-1887.5	100.0	-1887.5	55381.3	-4.5	2.1	170.8	-3.6	0.7	6.3
-1875.0	100.0	-1875.0	55354.3	-3.5	1.5	172.5	-2.3	0.8	6.4
-1862.5	100.0	-1862.5	55350.6	-0.7	0.7	175.1	-0.7	0.4	6.3
-1850.0	100.0	-1850.0	55368.1	-0.8	1.3	176.1	-0.5	0.2	6.3
-1837.5	100.0	-1837.5	55350.1	0.4	0.2	177.5	-0.1	-0.1	6.3
-1825.0	100.0	-1825.0	55361.9	1.5	-0.1	176.8	1.1	0.0	6.1
-1812.5	100.0	-1812.5	55320.9	5.1	0.2	177.5	4.0	-0.3	6.1
-1800.0	100.0	-1800.0	55303.5	6.1	-0.7	175.3	6.2	0.4	6.0
-1787.5	100.0	-1787.5	54907.3	6.8	-0.7	176.8	5.7	0.3	6.0
-1775.0	100.0	-1775.0	55272.4	5.8	-0.5	181.7	4.8	-0.8	6.0
-1762.5	100.0	-1762.5	55341.9	4.5	-0.2	186.7	3.5	-0.1	6.1
-1750.0	100.0	-1750.0	55335.4	4.4	-0.5	185.9	3.1	-1.3	6.1
-1737.5	100.0	-1737.5	55342.7	5.2	-1.3	188.2	4.3	-1.5	5.9
-1725.0	100.0	-1725.0	55320.3	9.2	-0.8	182.9	6.8	-1.5	5.8
-1712.5	100.0	-1712.5	54912.4	6.3	-1.7	190.9	6.2	-1.8	6.1
-1700.0	100.0	-1700.0	55462.1	4.8	-2.1	193.2	5.1	-2.6	6.0
-1687.5	100.0	-1687.5	55270.3	9.5	-2.8	189.9	9.4	-2.3	5.9
-1675.0	100.0	-1675.0	55252.8	15.2	-2.6	177.6	15.7	-1.9	5.5
-1662.5	100.0	-1662.5	55252.3	14.0	-3.3	177.3	17.3	-2.5	5.5
-1650.0	100.0	-1650.0	55252.1	15.1	-4.3	178.9	19.0	-3.1	5.5
-1637.5	100.0	-1637.5	55306.7	16.2	-5.1	180.8	20.0	-4.7	5.4
-1625.0	100.0	-1625.0	55260.2	19.3	-3.8	181.6	21.0	-4.0	5.5
-1612.5	100.0	-1612.5	55204.7	22.0	-4.6	178.1	24.0	-4.4	5.3
-1600.0	100.0	-1600.0	55050.6	22.8	-4.7	180.5	25.6	-4.0	5.4
-1587.5	100.0	-1587.5	55246.0	24.5	-5.4	178.4	27.5	-5.9	5.3
-1575.0	100.0	-1575.0	55279.1	25.1	-5.6	178.1	27.3	-6.3	5.3
-1562.5	100.0	-1562.5	55302.4	25.0	-7.5	176.2	28.0	-8.6	5.3
-1550.0	100.0	-1550.0	55342.1	26.1	-8.1	171.7	29.9	-8.1	5.2
-1537.5	100.0	-1537.5	55320.7	25.6	-9.2	170.1	30.8	-9.6	5.1
-1525.0	100.0	-1525.0	55326.9	25.3	-10.2	167.4	31.4	-9.3	5.1
-1512.5	100.0	-1512.5	55319.5	25.5	-11.2	165.7	32.4	-12.3	5.1
-1500.0	100.0	-1500.0	55185.6	24.4	-12.4	167.2	31.8	-11.9	5.1
-1487.5	100.0	-1487.5	55819.1	24.4	-13.8	163.0	33.4	-13.4	5.0

-1475.0	100.0	-1475.0	55609.3	21.7	-15.3	161.2	30.9	-15.6	4.9
-1462.5	100.0	-1462.5	55481.6	18.5	-16.2	160.3	28.9	-17.1	4.9
-1450.0	100.0	-1450.0	55422.6	17.6	-16.9	161.8	26.0	-17.6	4.9
-1437.5	100.0	-1437.5	55407.5	17.6	-17.2	161.5	26.6	-18.2	4.9
-1425.0	100.0	-1425.0	55424.0	18.7	-16.6	158.8	27.9	-17.6	4.9
-1412.5	100.0	-1412.5	55459.5	17.7	-17.4	160.7	24.1	-19.1	4.9
-1400.0	100.0	-1400.0	55432.2	17.7	-17.0	159.4	26.3	-16.7	4.9
-1387.5	100.0	-1387.5	55408.5	16.2	-17.0	158.8	24.8	-18.0	5.0
-1375.0	100.0	-1375.0	55415.9	15.8	-17.0	160.8	23.1	-18.1	5.1
-1362.5	100.0	-1362.5	55399.2	15.0	-18.7	162.3	22.1	-19.8	5.2
-1350.0	100.0	-1350.0	55403.2	16.0	-18.0	161.8	20.3	-19.9	5.2
-1337.5	100.0	-1337.5	55420.9	14.8	-18.1	165.3	19.7	-19.6	5.3
-1325.0	100.0	-1325.0	55429.7	14.8	-17.4	169.5	19.0	-19.6	5.4
-1312.5	100.0	-1312.5	55461.8	14.2	-16.9	171.3	18.8	-18.2	5.4
-1300.0	100.0	-1300.0	55477.3	14.3	-17.1	172.8	19.2	-18.7	5.5
-1287.5	100.0	-1287.5	55473.9	13.5	-17.9	175.9	18.6	-18.9	5.6
-1275.0	100.0	-1275.0	55470.4	12.9	-17.6	178.7	18.5	-19.4	5.7
-1262.5	100.0	-1262.5	55483.1	13.7	-17.5	180.2	19.1	-18.6	5.8
-1250.0	100.0	-1250.0	55443.7	12.3	-18.0	185.5	17.8	-18.7	5.8
-1237.5	100.0	-1237.5	55463.3	11.4	-18.5	187.1	16.4	-18.7	6.0
-1225.0	100.0	-1225.0	55477.6	11.1	-17.7	189.2	16.4	-17.2	6.0
-1212.5	100.0	-1212.5	55494.1	9.5	-16.2	190.1	15.1	-15.4	6.1
-1200.0	100.0	-1200.0	55510.5	9.9	-15.3	193.0	13.8	-15.2	6.1
-1187.5	100.0	-1187.5	55483.4	8.4	-14.7	196.6	12.0	-14.0	6.2
-1175.0	100.0	-1175.0	55448.1	8.2	-14.6	199.8	11.2	-14.2	6.3
-1162.5	100.0	-1162.5	55717.8	6.3	-14.6	205.1	8.4	-14.0	6.4
-1150.0	100.0	-1150.0	55478.0	6.0	-14.2	207.0	9.1	-14.0	6.4
-1137.5	100.0	-1137.5	55484.1	4.6	-13.6	210.1	6.4	-12.6	6.4
-1125.0	100.0	-1125.0	55496.5	4.4	-13.1	209.6	7.1	-11.9	6.4
-1112.5	100.0	-1112.5	55505.8	3.6	-13.0	212.0	6.3	-11.6	6.5
-1100.0	100.0	-1100.0	55517.7	3.5	-12.1	214.5	5.8	-11.7	6.5
-1087.5	100.0	-1087.5	55539.4	2.7	-11.9	215.6	5.1	-11.5	6.5
-1075.0	100.0	-1075.0	55509.9	2.4	-11.6	214.1	4.7	-11.0	6.5
-1062.5	100.0	-1062.5	55499.7	1.7	-12.2	217.1	3.8	-11.5	6.5
-1050.0	100.0	-1050.0	55479.0	0.5	-12.4	218.3	2.9	-11.6	6.4
-1037.5	100.0	-1037.5	55507.8	0.4	-11.7	218.4	3.2	-11.5	6.4
-1025.0	100.0	-1025.0	55509.6	0.5	-12.4	220.2	2.8	-11.0	6.5
-1012.5	100.0	-1012.5	55509.0	1.3	-11.3	222.0	3.7	-10.3	6.5
-1000.0	100.0	-1000.0	55483.7	2.2	-10.5	225.4	3.9	-9.9	6.5
-987.5	100.0	-987.5	55468.7	3.5	-9.3	228.1	5.6	-8.8	6.6
-975.0	100.0	-975.0	55736.4	3.1	-10.0	233.0	4.1	-9.2	6.7
-962.5	100.0	-962.5	55395.1	3.4	-9.8	231.0	4.3	-8.9	6.7
-950.0	100.0	-950.0	55439.7	3.1	-9.1	234.1	5.6	-8.2	6.7
-937.5	100.0	-937.5	55421.5	4.7	-8.2	237.7	6.2	-7.4	6.8
-925.0	100.0	-925.0	55476.5	5.6	-6.5	242.0	7.4	-6.4	7.0
-912.5	100.0	-912.5	55676.9	4.8	-7.6	246.4	6.8	-6.6	7.0
-900.0	100.0	-900.0	55511.9	5.4	-7.4	246.5	7.1	-6.6	7.0
-887.5	100.0	-887.5	55489.1	5.8	-7.8	247.7	7.8	-7.0	7.0
-875.0	100.0	-875.0	55422.2	7.5	-7.8	249.5	10.4	-8.4	7.0
-862.5	100.0	-862.5	55491.7	8.7	-8.3	247.3	11.1	-8.8	7.0
-850.0	100.0	-850.0	55491.9	8.8	-9.4	248.3	11.2	-9.7	7.0
-837.5	100.0	-837.5	55498.2	9.4	-9.5	249.2	12.3	-10.0	7.0
-825.0	100.0	-825.0	55472.6	9.8	-9.5	246.3	13.2	-10.5	6.9
-812.5	100.0	-812.5	55465.5	10.3	-11.0	245.8	13.5	-11.7	6.8
-800.0	100.0	-800.0	55459.2	10.1	-11.6	244.1	13.5	-12.9	6.8
-787.5	100.0	-787.5	55465.4	10.5	-12.6	242.2	14.3	-13.8	6.7
-775.0	100.0	-775.0	55463.2	10.4	-13.3	239.9	15.0	-15.1	6.6
-762.5	100.0	-762.5	55438.6	9.9	-14.2	237.9	14.2	-15.9	6.6
-750.0	100.0	-750.0	55444.4	9.4	-15.1	237.9	14.2	-17.9	6.6
-737.5	100.0	-737.5	55445.6	9.3	-15.6	236.2	14.7	-17.8	6.5

-725.0	100.0	-725.0	55433.6	8.3	-16.6	235.4	14.5	-19.4	6.5
-712.5	100.0	-712.5	55440.8	7.8	-17.1	233.3	13.9	-20.0	6.4
-700.0	100.0	-700.0	55441.5	6.7	-18.4	232.2	13.5	-21.6	6.4
-687.5	100.0	-687.5	55439.2	6.2	-18.7	234.0	12.4	-22.2	6.3
-675.0	100.0	-675.0	55721.4	4.0	-19.5	233.3	10.7	-23.6	6.4
-662.5	100.0	-662.5	55409.8	5.1	-19.3	235.9	12.2	-22.9	6.4
-650.0	100.0	-650.0	55424.7	5.0	-19.7	236.3	11.4	-23.5	6.4
-637.5	100.0	-637.5	55437.0	3.6	-19.5	237.0	11.5	-24.7	6.4
-625.0	100.0	-625.0	55351.1	2.6	-19.7	238.6	9.8	-24.6	6.4
-612.5	100.0	-612.5	55352.3	2.7	-19.3	241.0	9.9	-23.9	6.4
-600.0	100.0	-600.0	55456.0	3.3	-19.4	243.3	10.8	-23.7	6.5
-587.5	100.0	-587.5	55435.1	2.5	-19.1	246.4	10.3	-24.5	6.5
-575.0	100.0	-575.0	55454.7	2.8	-19.0	247.4	10.8	-24.3	6.5
-562.5	100.0	-562.5	55450.2	3.0	-19.4	248.8	10.6	-24.5	6.6
-550.0	100.0	-550.0	55437.3	3.3	-18.9	251.5	10.5	-23.5	6.6
-537.5	100.0	-537.5	55421.1	3.3	-18.9	255.3	10.5	-23.4	6.7
-525.0	100.0	-525.0	55397.9	4.8	-19.0	260.0	10.7	-23.8	6.7
-512.5	100.0	-512.5	55371.3	6.0	-18.3	264.2	12.8	-22.3	6.8
-500.0	100.0	-500.0	55389.7	8.7	-18.1	259.9	15.7	-22.7	6.8
-487.5	100.0	-487.5	55417.8	9.4	-18.7	260.4	16.6	-22.6	6.8
-475.0	100.0	-475.0	55461.2	11.6	-18.1	262.8	18.2	-22.5	6.8
-462.5	100.0	-462.5	55461.6	14.3	-17.3	265.6	22.2	-21.0	6.8
-450.0	100.0	-450.0	55421.4	15.6	-16.9	262.5	23.3	-20.3	6.6
-437.5	100.0	-437.5	55401.5	16.1	-16.9	264.5	24.5	-20.0	6.6
-425.0	100.0	-425.0	55637.3	13.8	-17.2	260.0	22.6	-21.1	6.5
-412.5	100.0	-412.5	55412.9	17.7	-15.2	270.8	24.3	-20.3	6.4
-400.0	100.0	-400.0	55495.7	24.8	-14.1	258.4	30.8	-17.2	6.2
-387.5	100.0	-387.5	55526.8	22.6	-15.0	254.7	29.6	-19.5	6.2
-375.0	100.0	-375.0	55483.9	21.7	-15.7	254.4	29.0	-20.6	6.2
-362.5	100.0	-362.5	55308.7	22.3	-17.2	252.6	29.6	-22.9	6.2
-350.0	100.0	-350.0	55324.1	22.0	-18.5	251.4	28.6	-25.0	6.1
-337.5	100.0	-337.5	55339.3	25.4	-18.3	249.7	32.4	-23.9	6.1
-325.0	100.0	-325.0	55360.9	22.9	-19.7	247.7	29.9	-26.9	6.0
-312.5	100.0	-312.5	55358.1	23.6	-19.3	247.0	31.8	-26.6	5.9
-300.0	100.0	-300.0	55433.5	27.7	-17.4	246.4	32.9	-23.7	6.0
-287.5	100.0	-287.5	55398.8	27.2	-19.5	236.6	33.8	-26.6	5.7
-275.0	100.0	-275.0	55377.4	27.4	-18.7	238.0	34.3	-23.7	5.8
-262.5	100.0	-262.5	55362.3	24.7	-20.7	242.2	32.4	-26.6	5.8
-250.0	100.0	-250.0	55399.2	27.7	-16.9	236.7	34.1	-23.2	5.6
-237.5	100.0	-237.5	55326.2	25.5	-18.3	226.3	32.8	-24.9	5.5
-225.0	100.0	-225.0	55343.3	21.9	-20.5	219.9	30.8	-26.5	5.3
-212.5	100.0	-212.5	55350.0	19.2	-23.3	216.6	27.5	-30.9	5.3
-200.0	100.0	-200.0	55345.7	15.9	-25.0	217.5	23.8	-31.4	5.3
-187.5	100.0	-187.5	55418.1	15.1	-24.8	218.6	22.1	-31.5	5.4
-175.0	100.0	-175.0	55537.5	17.5	-22.6	227.1	24.5	-28.9	5.6
-162.5	100.0	-162.5	55455.3	19.1	-20.7	228.9	25.6	-27.1	5.6
-150.0	100.0	-150.0	55475.9	20.3	-21.4	228.6	26.0	-27.4	5.6
-137.5	100.0	-137.5	55580.4	19.0	-21.9	231.1	26.1	-28.6	5.8
-125.0	100.0	-125.0	55573.1	19.3	-22.6	230.3	26.7	-29.0	5.8
-112.5	100.0	-112.5	55444.3	18.6	-20.3	230.6	26.3	-26.7	5.9
-100.0	100.0	-100.0	55304.5	18.0	-19.5	236.6	24.4	-26.1	6.0
-87.5	100.0	-87.5	55253.7	19.4	-17.9	237.9	24.9	-24.8	6.0
-75.0	100.0	-75.0	55016.0	21.6	-17.6	230.0	26.5	-26.0	5.7
-62.5	100.0	-62.5	55390.0	20.7	-17.9	235.2	26.1	-24.8	5.9
-50.0	100.0	-50.0	55524.7	19.3	-15.6	235.7	23.7	-21.1	6.0
-37.5	100.0	-37.5	55479.7	18.2	-14.8	235.8	22.2	-21.8	6.0
-25.0	100.0	-25.0	55508.9	17.5	-12.3	236.2	20.8	-17.9	6.0
-12.5	100.0	-12.5	55630.9	15.3	-12.8	234.1	18.7	-18.3	5.9
0.0	100.0	0.0	55542.4	13.4	-11.1	235.8	17.2	-17.7	5.9

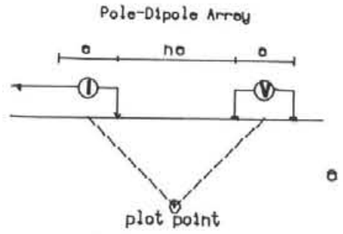






Geosoft Software for the Earth Sciences

Line 700 S



a = 25 M

Resistivity Contour Interval = 500 ohm-meter
Chargeability Contour Interval = 10 msec

Instruments: TDR-6 Receiver
MK-II 2.5 kW Transmitter
Time Delay: 80 msec

Scale 1:2500

25 0 25 50 75 100 125
(metres)

BARIL DEVELOPMENTS LTD.

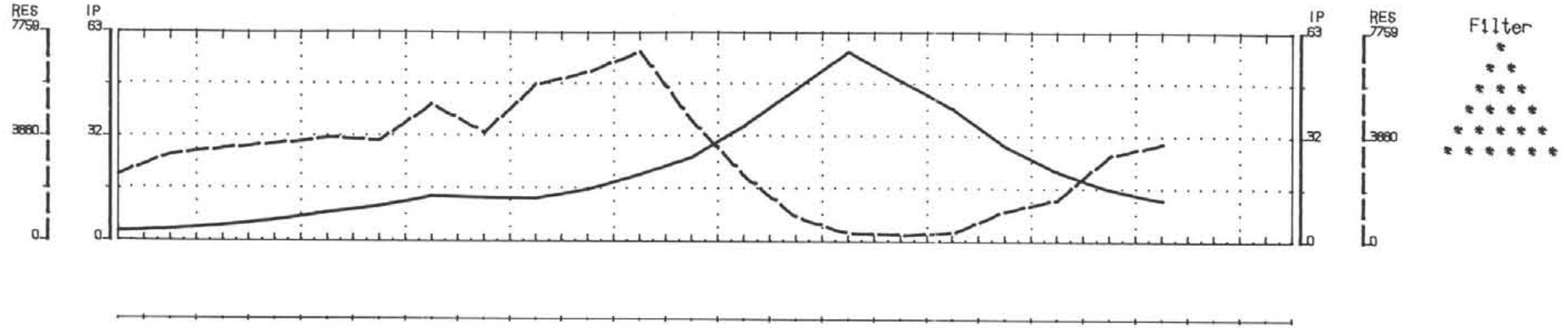
Toq Claim Group
NTS: 92F/3W Alberni Mining Division, B.C.

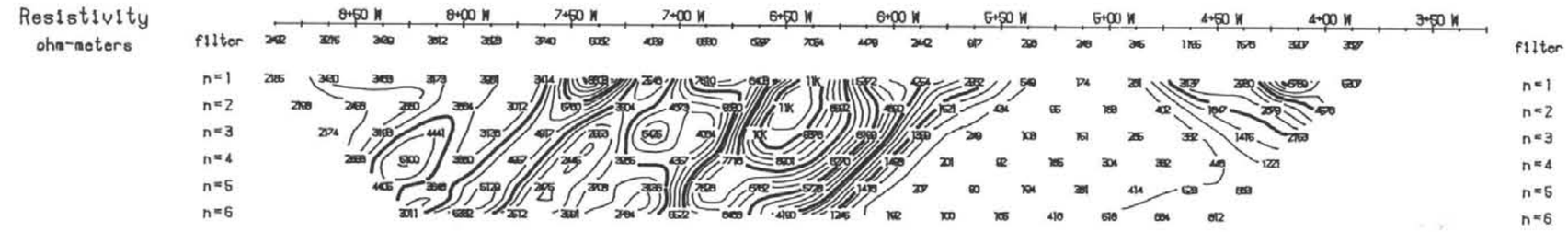
INDUCED POLARIZATION SURVEY
Date: 91/10/29 Figure No.: PS-1

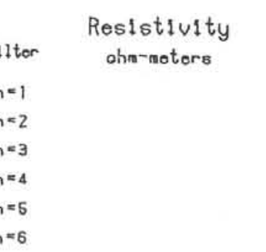
Interpretex Resources Ltd.

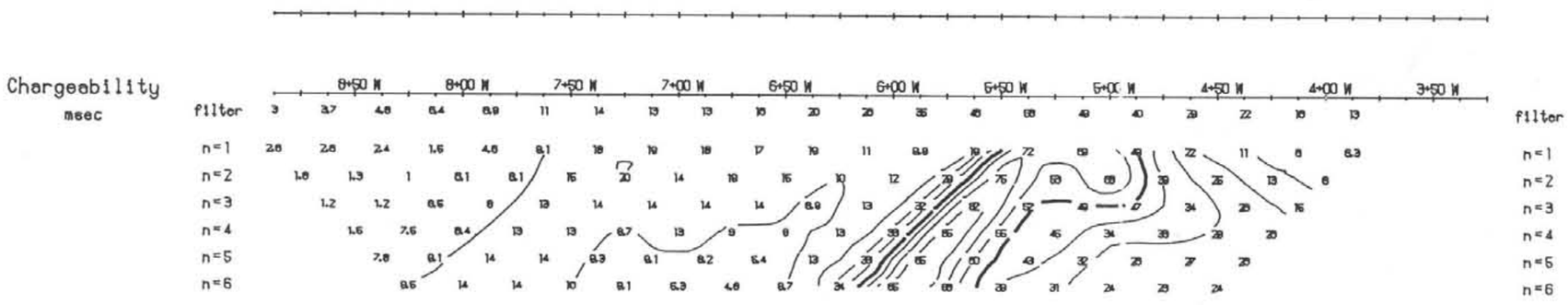
GEOLOGICAL BRANCH
ASSESSMENT REPORT

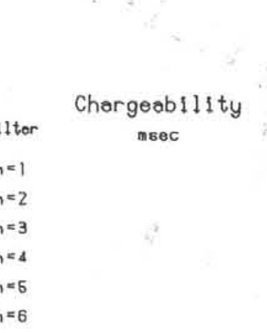
22,163



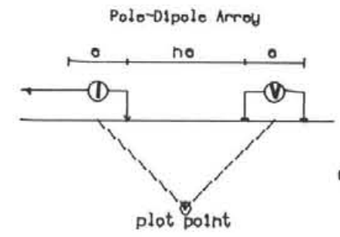








Line 800 S



Resistivity Contour Interval = 500 ohm-
Chargeability Contour Interval = 10 mse

Instruments: TDR-6 Receiver
MK-II 2.5 kW Transmitte
Time Delay: 80 msec

Scale 1:2500

25 0 25 50 75 100 125
(metres)

BARIL DEVELOPMENTS LTD.

Toq Claim Group
NTS: 92F/3W Alberni Mining Division, B

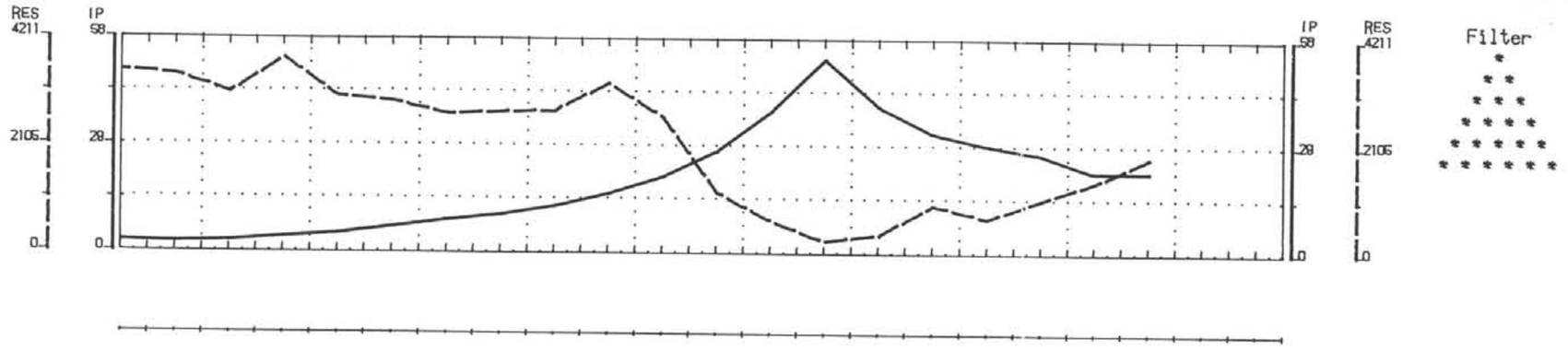
INDUCED POLARIZATION SURVEY
Date: 91/10/29 Figure No. IPS-2

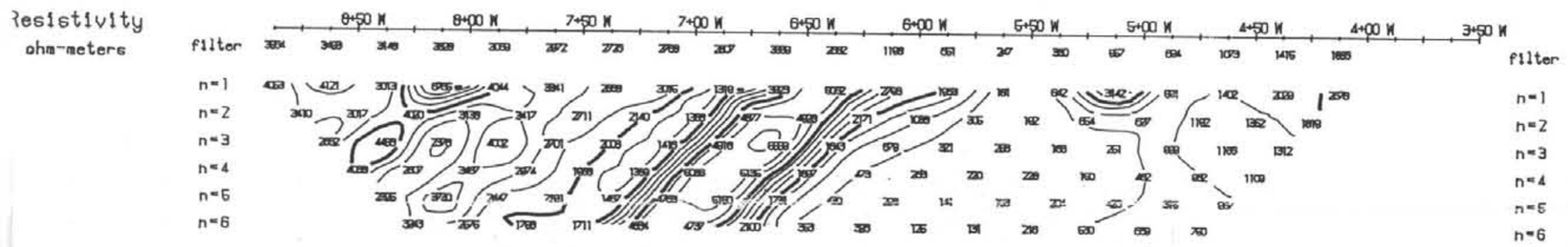
Interpretex Resources Ltd.

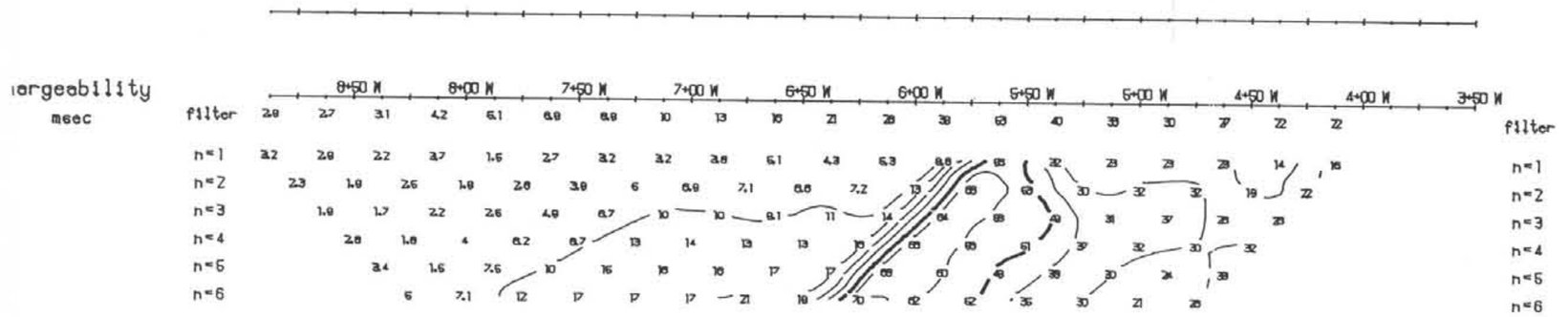
GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,163

oft Software for the Earth Sciences

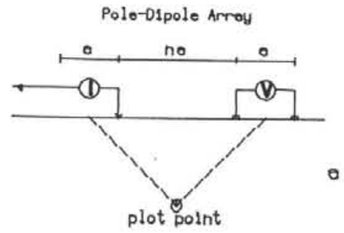






Software for the Earth Sciences

Line 900 S



a = 25 M

Resistivity Contour Interval = 500 ohm-meters
Chargeability Contour Interval = 10 msec

Instruments: TDR-6 Receiver
MK-II 2.5 kW Transmitter
Time Delay: 80 msec

Scale 1:2500

25 0 25 50 75 100 125
(metres)

BARIL DEVELOPMENTS LTD.

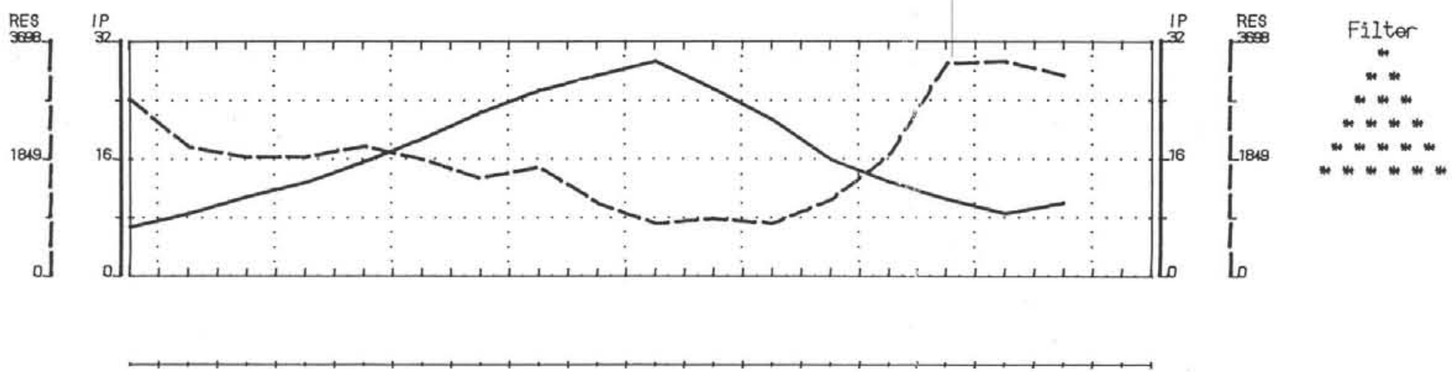
Toq Claim Group
NTS: 92F/3W Alberni Mining Division, B.C.

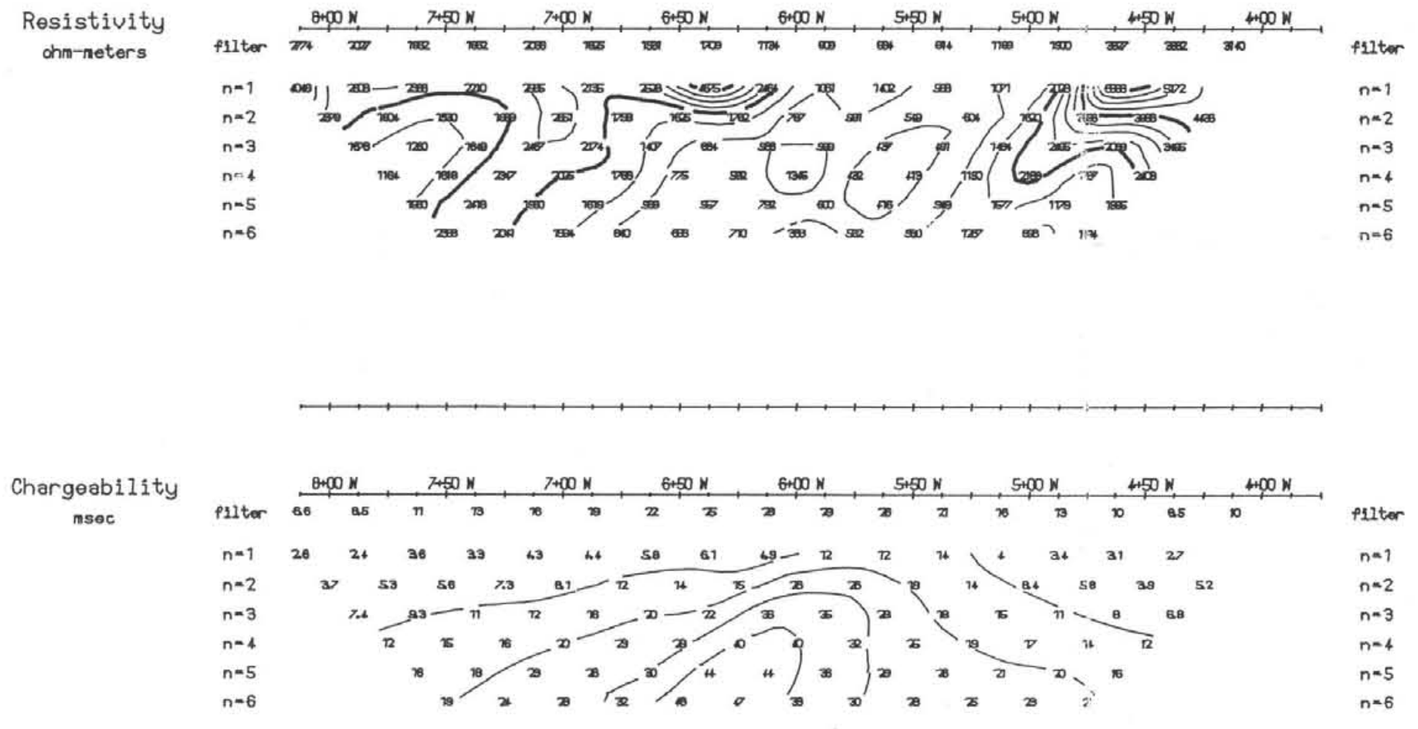
INDUCED POLARIZATION SURVEY
Date: 91/10/29 Figure No.: PS-3

Interpretex Resources Ltd.

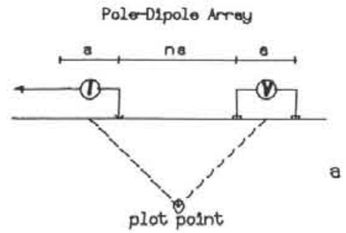
GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,163





Line 1000 S



a = 25 M

Resistivity Contour Interval = 500 ohm-meters
Chargeability Contour Interval = 10 msec

Instruments: TDR-6 Receiver
MK-II 2.5 kW Transmitter
Time Delay: 80 msec

Scale 1:2500

25 0 25 50 75 100 125
(metres)

BARIL DEVELOPMENTS LTD.

Toq Claim Group
NTS: 92F/3W Alberni Mining Division, B.C.

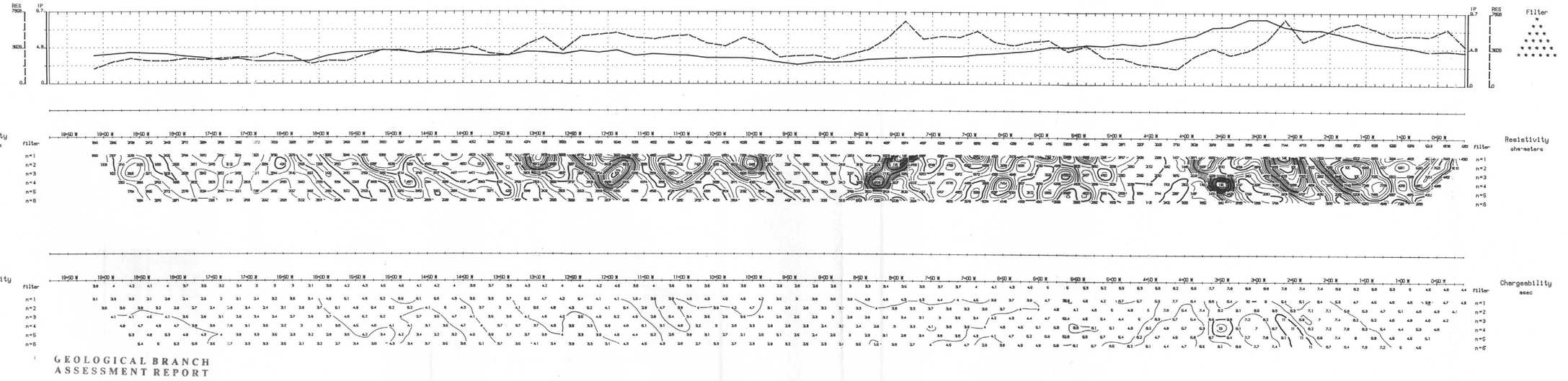
INDUCED POLARIZATION SURVEY
Date: 91/10/29 Figure No.: PS-4

Interpretex Resources Ltd.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,163

Geosoft Software for the Earth Sciences



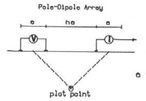
GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,163

Geosoft Software for the Earth Sciences

Line 100 N

Pole-Dipole Array



Resistivity Contour Interval = 500 ohm-meters
Chargeability Contour Interval = 2 msec

Instruments: TDR-6 Receiver
MK-II 2.5 kW Transmitter
Time Delay: 80 msec

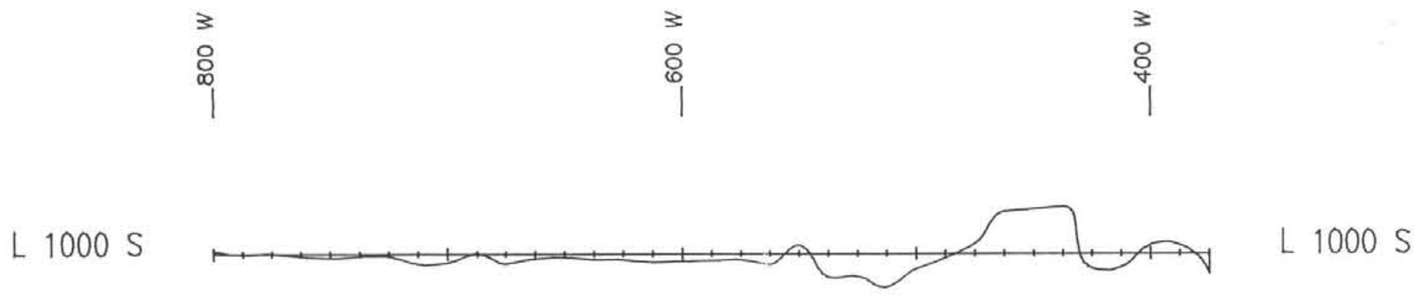
Scale 1:2500

BARIL DEVELOPMENTS LTD.

Lucky Claim Group
NTS: 92F/3W Alberni Mining Division, B.C.

INDUCED POLARIZATION SURVEY
Date: 91/10/30 Figure No. IPS-5

Interpretex Resources Ltd.

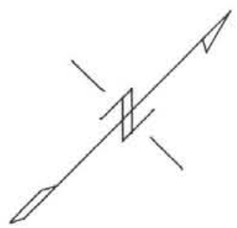


LEGEND

Magnetic Field Strength

1 cm. = 500 nT

Magnetic Field Datum Level = 55600 nT



Scale 1:2500

50 0 50 100 150

(metres)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,163

BARIL DEVELOPMENTS LTD.

TOTAL FIELD MAGNETIC PROFILES

Toq Claim Group

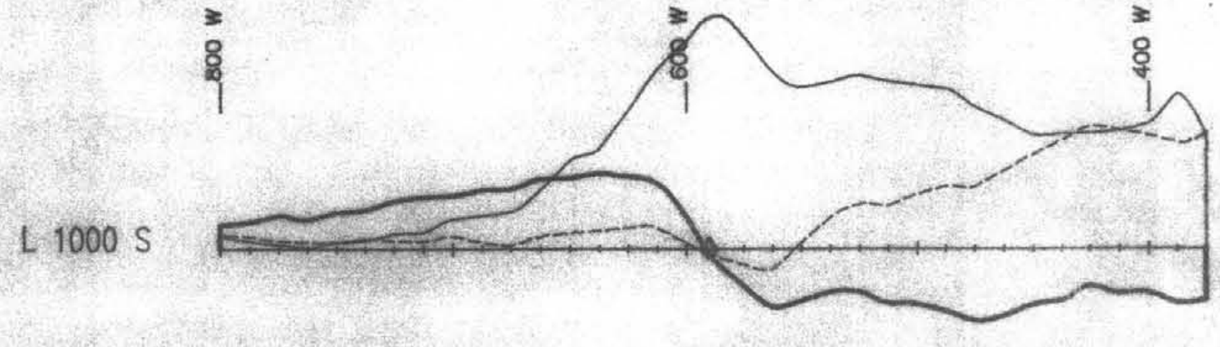
NTS: 92F/3W Alberni Mining Division, B.C.

Figure No.:1 November, 1991

Interpretex Resources Ltd.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,163



L 1000 S

LEGEND
NLK, Seattle, WA

Anomalous Inflection (In-Phase)

In-Phase } 1 cm. = 10 %

Quadrature

Field Strength 1 cm. = 25 units

VLF-EM Conductor

Scale 1:2500

50 0 50 100 150
(metres)

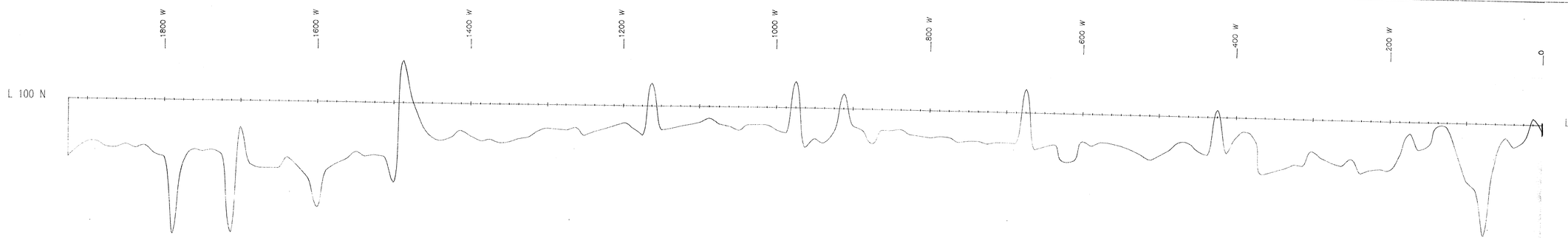
BARIL DEVELOPMENTS LTD.

VLF-EM PROFILES

Toq Claim Group

NTS: 92F/3W Alberni Mining Division, B.C.
Figure No.:2 November, 1991

Interpretex Resources Ltd.



LEGEND

Magnetic Field Strength

1 cm. = 100 nT

Magnetic Field Datum Level = 55600 nT

Scale 1:2500

50 0 50 100 150

(metres)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,163

BARIL DEVELOPMENTS LTD.

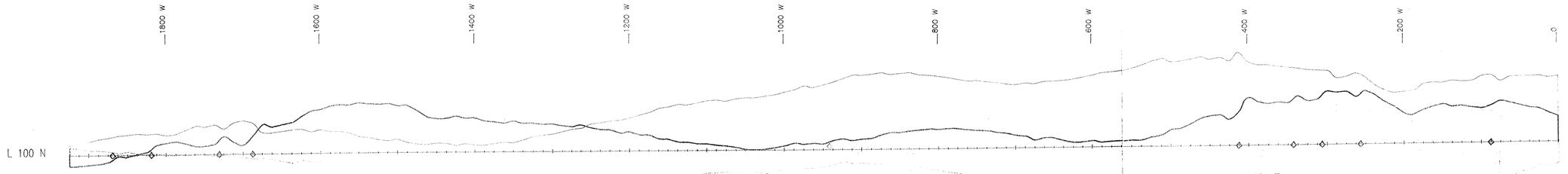
TOTAL FIELD MAGNETIC PROFILES

Lucky Claim Group

NTS: 92F/3W Alberni Mining Division, B.C.

Figure No.:3 November, 1991

Interpretex Resources Ltd.



LEGEND
NLK, Seattle, WA

Anomalous Inflection (In-Phase)

In-Phase
Quadrature
} 1 cm. = 10 %

Field Strength 1 cm. = 25 units

VLF-EM Conductor

Scale 1:2500

50 0 50 100 150
(metres)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,163

BARIL DEVELOPMENTS LTD.

VLF-EM PROFILES

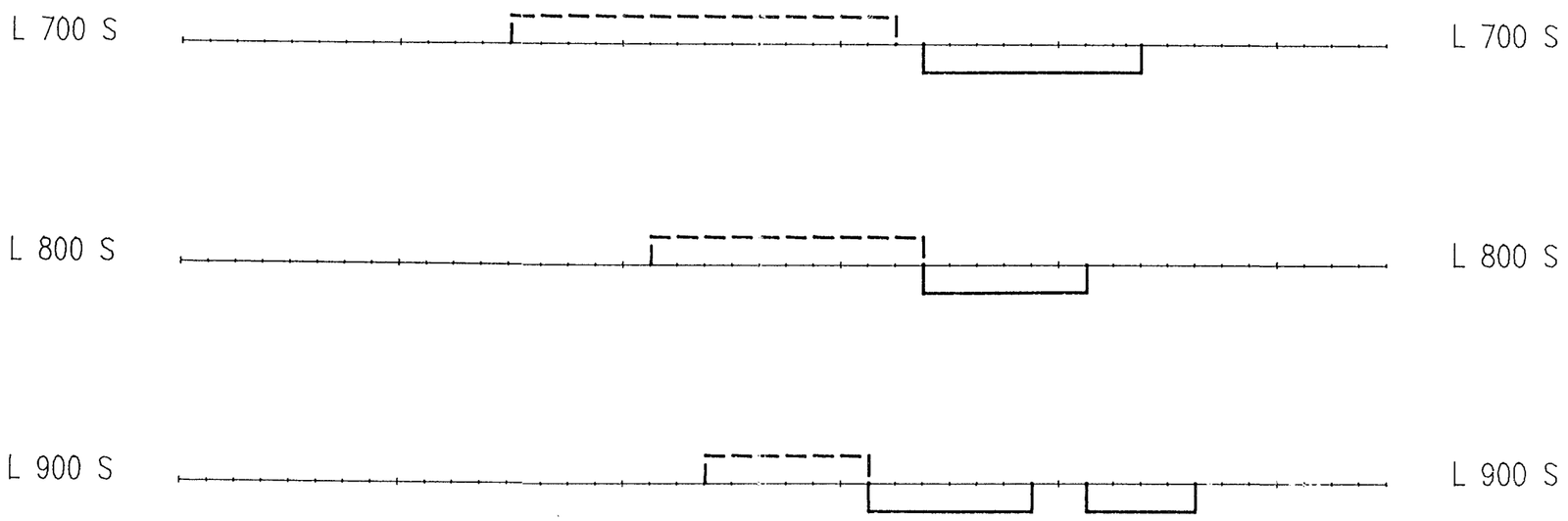
Lucky Claim Group
NTS: 92F/3W Alberni Mining Division, B.C.
Figure No.:4 November, 1991

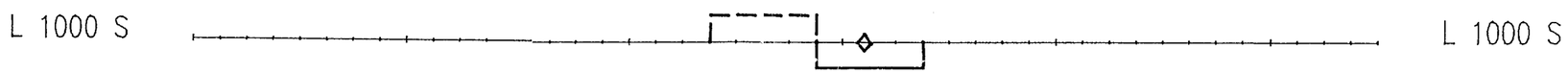
Interpretex Resources Ltd.

800 W

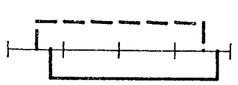
600 W

400 W





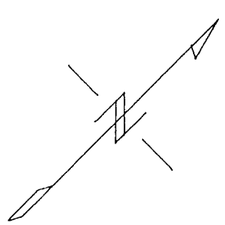
LEGEND



Resistivity High

Chargeability High

◇ VLF-EM Conductor



Scale 1:2500

50 0 50 100 150

(metres)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,163

BARIL DEVELOPMENTS LTD.

GEOPHYSICAL COMPILATION MAP

Toq Claim Group

NTS: 92F/3W Alberni Mining Division, B.C.

Figure No.:5 November, 1991

Interpretex Resources Ltd.