COMINCO LTD

EXPLORATION

WESTERN CANADA

NTS: 93A/3

ASSESSMENT REPORT

IP/RESISTIVITY SURVEYS ON THE ZEPHYR PROPERTY

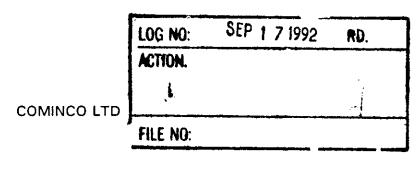
Cu/Au PORPHYRY EXPLORATION SOUTH CENTRAL BRITISH COLUMBIA

WORK DATES: MAY 5 - JUNE 1 1992

AUGUST 24 1992

R.J. AULIS





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GEOPHYSICAL SURVEYS ON THE ZEPHYR PROPERTY

ł	SUMMARY	•••••	•••••••••••••••••••••••••••••••••••••••	1
u	INTRODUCTION			1
Ш	GEOLOGY		•••••••••••••••••••••••••••••••••••••••	1
IV	PREVIOUS EXPLORA	TION		1
V	TENURE .			3
VI	GEOPHYSICAL SURV	EY		4
VII	PRESENTATION OF D	ATA		4
VIII	DISCUSSION OF RES	ULTS		4
IX	CONCLUSIONS AND	RECOMMENDATION	ıs	5
REF	ERENCES	••••••		6
FIG	URES 1. Location N	Map 1/6,370,000		2
	2. Claim Map	1/50,000	in pocke	ŧ
	3. 1992 IP/Re	es Lines 1/20,000	in pocket	
	4. IP Pseudo-	sections	in pocke	t
APF	PENDICES A. Stateme	ent of Expenditures	.	,
	B. Affidavit		8	}
	C. Stateme	nt of Qualification	9	•

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT 28 July 1992

ASSESSMENT REPORT

GEOPHYSICAL SURVEYS ON THE ZEPHYR PROPERTY

I Summary

A reconnaissance style IP survey totalling 65.6 line kilometres was completed this field season. The survey was carried out primarily along existing logging and/or access roads in the area. One area of anomalous IP response was delineated on the western margin of the claims. It is recommended to survey this area in greater detail using IP and soil geochemistry and to map and prospect any outcrops available.

II Introduction

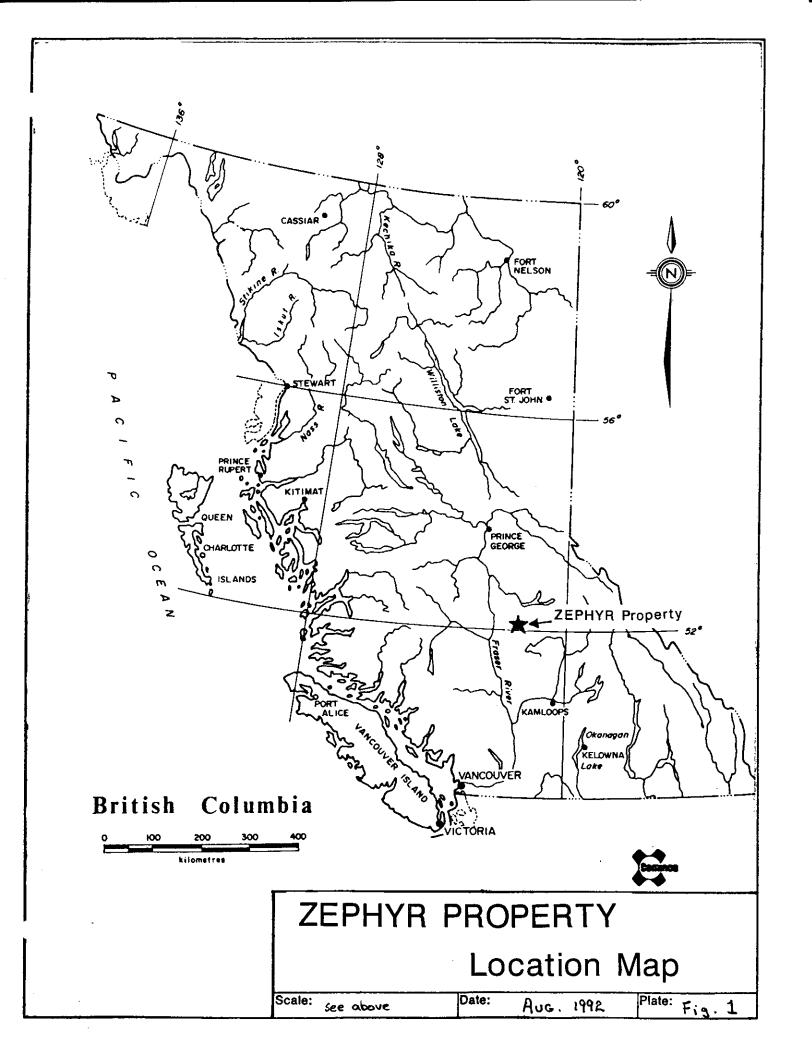
The Zephyr property is situated 25 km north of Lac La Hache in the Cariboo Mining District and is easily accessible via numerous road. Relief is gentle with elevations between 3000' and 4400'. The claims cover the northern portion of a large prominent mag high on the NW corner of the Takomkane Batholith. The southern portion of this coincident mag high/zoned intrusive complex hosts porphyry copper gold mineralization as seen on the Peach Lake, Tim and GWR prospects. The induced polarization survey was carried out May 5 to June J 1992 by Scott Geophysics Ltd. of Vancouver. The project was planned by A.M. Pauwels, Senior Geologist Cominco and Supervised by R.J. Aulis, geologist Cominco.

III Geology

Lithologies on the Zephyr claims comprise Upper Triassic Nicola Volcanics intruded by Takomkane-related syenite-diorite stocks within the Quesnel Trough). The Takomkane batholith has many features in common with the economically Cu-hosting Guichan Batholith. Aeromagnetic survey data suggests the Takomkane batholith is a large zoned intrusive complex 15 km in diameter. Eccene basalts form an extensive capping along the western margin of the claims with smaller outliers within the claims. Faults on the property are numerous and probably related to the major N-S trending Pinchi Fault located several kms west. Several major northerly and west-northwesterly trending linear magnetic lows occur on the eastern margin of the property and are interpreted to be faults that have reduced the magnetic response of their hosting lithologies. Outcrop on the property is very sparse.

IV Previous Exploration

Exploration in this area for porphyry copper began in the mid 1960's following the discovery of the Cariboo-Bell porphyry copper deposit. In 1967 Coranex Ltd. conducted a geochemical soil sampling program over most of the Spout Lake are, precipitating the staking of claims south of Spout Lake and the discovery of several showings which have been explored by AMEX (1971-1973), Craigmont (1975), Stallion Resources (1983) and Guichon Exploreo Ltd.



(1983), B-P Selco (1984). A diamond drill hole is reported drilled in 1973, by Cities Service Minerals Corp, some 300 m east of McIntosh Lakes, on the northern limit of the mag high. Propylitically altered andesite volcanics to 997' were found with locally heavy (10%) pyrite but no evidence of Cu mineralization nor Cu-porphyry style alteration. Armstrong Mt. Gold Corp. undertook an airborne magnetic data enhancement project in 1989 on ground covering much of the present Zephyr property. Numerous areas of interest were targeted for further exploration efforts.

V Tenure

The Zephyr property comprises the following 34 claims totalling 680 units:

Claim Name	Record #	Claim Size	Date/Rec	Due Date
Abbey 3	301180	20	1991/06/12	1992/06/12
Abbey 5	303094	20	1991/07/30	1992/07/30
Ace 1	302129	20	1991/06/13	1992/06/13
Ace 2	302130	20	1991/06/13	1992/06/13
Ace 3	302131	20	1991/06/13	1992/06/13
Ace 4	302132	20	1991/06/14	1992/06/14
Cass 1	303105	20	1991/07/31	1992/07/31
Cass 2	303106	20	1991/08/01	1992/08/01
Cass 3	303107	20	1991/08/08	1992/08/08
Dora 6	305600	20	1991/10/16	1992/10/16
Dora 7	305955	20	1991/10/16	1992/10/16
Dora 8	302133	20	1991/06/06	1992/06/06
Dora 9	302134	20	1991/06/07	1992/06/07
Jo 1	303090	20	1991/07/30	1992/07/30
Jo 2	303091	20	1191/08/07	1992/08/07
Jo 3	303092	20	1991/08/08	1992/08/08
King 1	302144	20	1991/06/10	1992/06/10
King 3	302145	20	1991/06/07	1992/06/07
Pete 1	303086	20	1991/07/31	1992/07/31
Pete 2	303087	20	1991/08/01	1992/08/01
Pete 3	303088	20	1991/08/07	1992/08/07
Ray 1	308324	20	1992/03/25	1993/03/25
Ray 2	308325	20	1992/03/25	1993/03/25
Ray 3	308326	20	1992/03/27	1993/03/27
Ray 4	308327	20	1992/03/26	1993/03/26
T.T.	303085	20	1991/08/12	1992/08/12
TT1	302141	20	1991/06/19	1992/06/19
TT2	302142	20	1991/06/18	1992/06/18
TT3	302143	20	1991/06/18	1992/06/18
Jo 4	308592	20	1992/04/08	1993/04/08
Oley 1	309297	20	1992/05/07	1993/05/07
Oley 2	309298	20	1992/05/09	1993/05/09
Oley 3	309299	20	1992/05/08	1993/05/08
Oley 4	309300	20	1992/05/10	1993/05/10

The claims are currently included under an option agreement between Cominco Ltd. and Action Mine Services Inc. whereby the former has the option to acquire an undivided 100% beneficial interest in the claims held by the latter.

VI Geophysical Survey

The Induced Polarization Survey was conducted from May 5 to June 1 using a crew of five. Eric Hards, geophysicist, was the party chief and operated the IP receiver. Randal Aulis, geologist, was the Cominco representative on site for the majority of the survey. Accommodation was found at Ten-ee-ah Lodge on the west tip of Spout Lake.

Scintrex IPR11 and IPR12 time domain receivers, and a Scintrex IPC7 2.5 kw transmitter were used for the induced polarization survey. Readings were taken using a 2 second on/2 second off alternating square wave. The receiver used on a particular line is indicated on the pseudosections, with the IPR11 used from May 5 to 11 and the IPR12 after May 12.

The chargeability for the interval 690 to 1050 milliseconds after shutoff (M7 for IPR11) is the value plotted on the accompanying pseudosections and plan maps. Resistivities are given in units of ohm meters.

The survey data was archived, processed, and plotted using a microcomputer running Scintrex SoftII and proprietary software. All chargeability values were analyzed for their spectral characteristics (Cole-Cole intrinsic chargeability, time constant, and frequency dependence) using Johnson's curve matching procedure (Scintrex Soft II). In areas of low amplitude chargeability, the spectral parameters are poorly defined.

The pole-dipole electrode array was used on the survey, with readings taken at an "a" spacing of 75 m at "n" separations of 1,2,3 and 4. The location of the current electrode with respect to the receiving electrodes is indicated as the pseudosections. The survey was performed on widely separated traverses along roads primarily and uncut flagged lines.

VII Presentation of Data

The IP data was presented as pseudo-sections of chargeability and apparent resistivity. The pseudo-sections are presented at a scale of 1:5,000 and incorporate the n=1 to n=4 chargeability values and the calculated resistivity data. The sections have been computer contoured with contour intervals listed to the side of each section.

VIII Discussion of Results

For this property, chargeabilities of 5-15 mV/V are considered weakly anomalous, 15-20 mV/V are moderately anomalous and greater than 20 mV/V are strong anomalies.

A moderately to strongly anomalous IP response extends for greater than 1000m (open to the east) along the eastern half of Line H. Twenty three readings from n=1 to n=4 recorded chargeabilities greater than 20 mV/V. These values are preceded by weakly to moderately anomalous IP response spanning 300E to 1350 E.

Line H is situated on the western margin of the property where Tertiary basalts are known to locally cap the older Nicola Volcanics. The highly anomalous IP response is not consistent however with a basalt and thus the cause of the response remains in question and may still reflect disseminated porphyry copper mineralization.

A weak IP anomaly was recorded over 300 m on Line I located approximately 1.5 km south of Line H. A chargeability high of 10.08 mV/V was recorded at 525 N on the south end of the line.

Lines H and I both occur on the outside NW corner of the large aeromagnetic feature being explored.

Chargeabilities over the remainder of the property were at background levels. It is estimated that in approximately 25% of the surveyed area the IP did not penetrate deep overburden.

IX Conclusions and Recommendations

Two IP features were found on the Zephyr property, both within 2 km of each other on the west side of the claims. The Line H chargeabilities are locally strongly anomalous with numerous values exceeding 20 mV/V. The cause of this anomaly has yet to be defined. Prospecting and detailed soils and detailed IP surveys over the immediate vicinity are recommended. Weakly anomalous chargeabilities associated with Line I, 1.5 km to the south may have a similar or related source and any work done in the Line H vicinity should extend SSE towards this weak anomaly.

Reported by:

R.J. Aujis Geologist

Approved for Release by:

W.J. Wolfe

Manager, Exploration Western District

RJA/ls

REFERENCES

Scott, A. Logistical Report, Induced Polarization and Resistivity Surveys, Zephyr Property, Lac La Hache Area, British Columbia, June 1992

APPENDIX A

STATEMENT OF EXPENDITURES

ZEPHYR PROPERTY MAY 5 - JUNE 1, 1992

STAFF CO	OSTS:	
	A.M. Pauwels, senior geol, 10 days @ \$425/R.J. Aulis, geologist, 25 days @ \$270/day A.P.Roberts, technician, 7 days @ \$279/da	·\$6750.00
DOMICILE	E	\$7535.25
TRANSPO	ORTATION Tundra Helicopters Redhawk Rentals 4 x 4 truck	
LINECUTT	· ·· · -	\$2724.34
I.P. CONT		\$29,749.58
SUPPLIES	S	\$353.76
	TOTAL	\$58,302.24

APPENDIX B

AFFIDAVIT

In the matter of the B.C. Mineral Act and in the matter of a geophysical program carried out on the Zephyr property, located 25 km NE of Lac La Hache, in the Cariboo mining division of British Columbia, specifically, in NTS sheet 93/A3;

- I, Randal J. Aulis, of 14 11 K de K Court, in the city of New Westminster, make oath and say:
- 1. that I am employed as a geologist by Cominco Ltd. and as such have personnal knowledge of the facts to which I hereinafter depose;
- 2. that annexed hereto and marked as Appendix A to this my affidavit is a true copy of expenditures incurred in a geophysical program on the Zephyr property;
- 3. that the said expenditures were incurred between the 5th day of May and the I th day of June 1992, for the purpose of mineral exploration on the above noted property.

R.J. Aulis Geologist, Cominco Ltd.

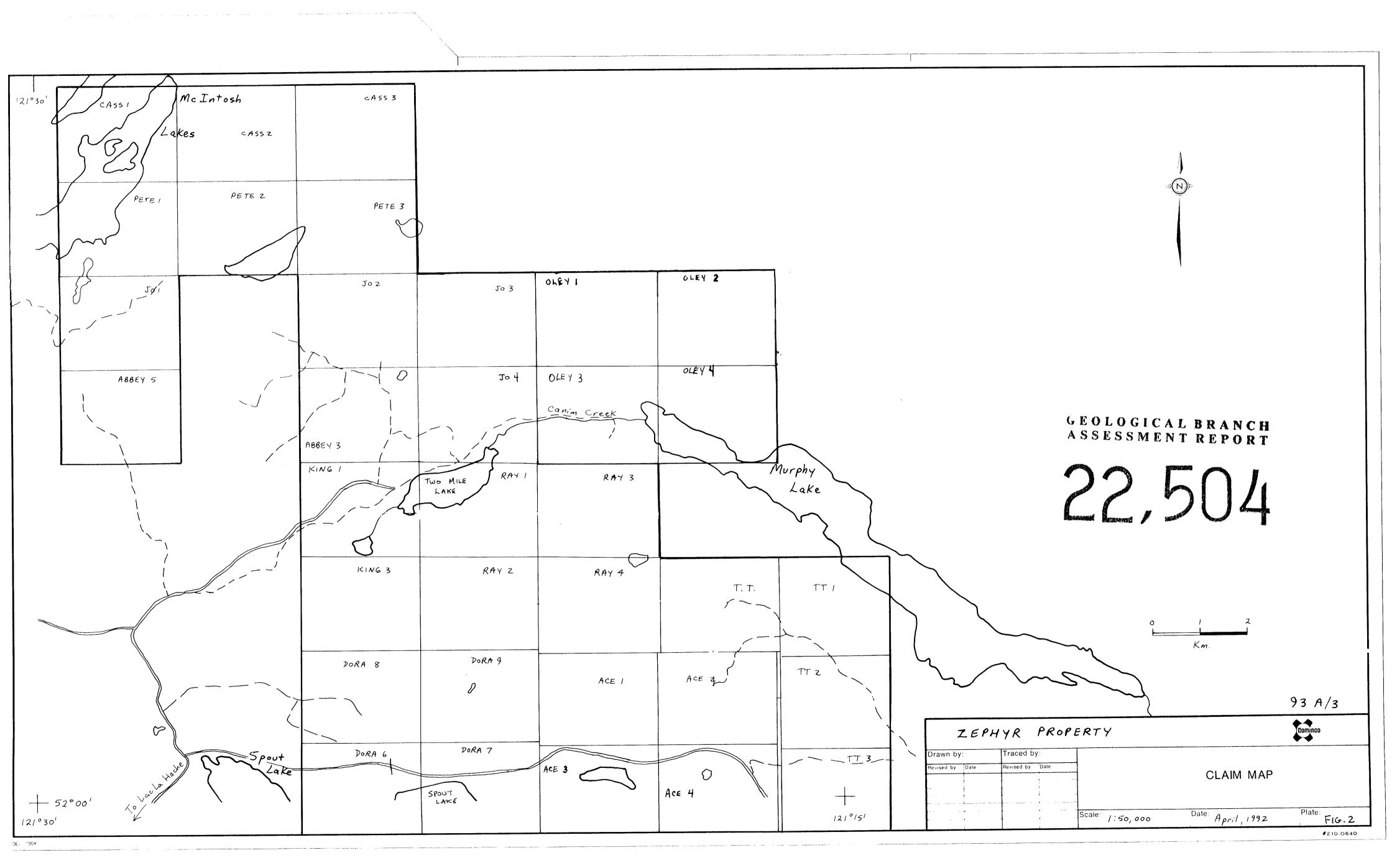
APPENDIX C

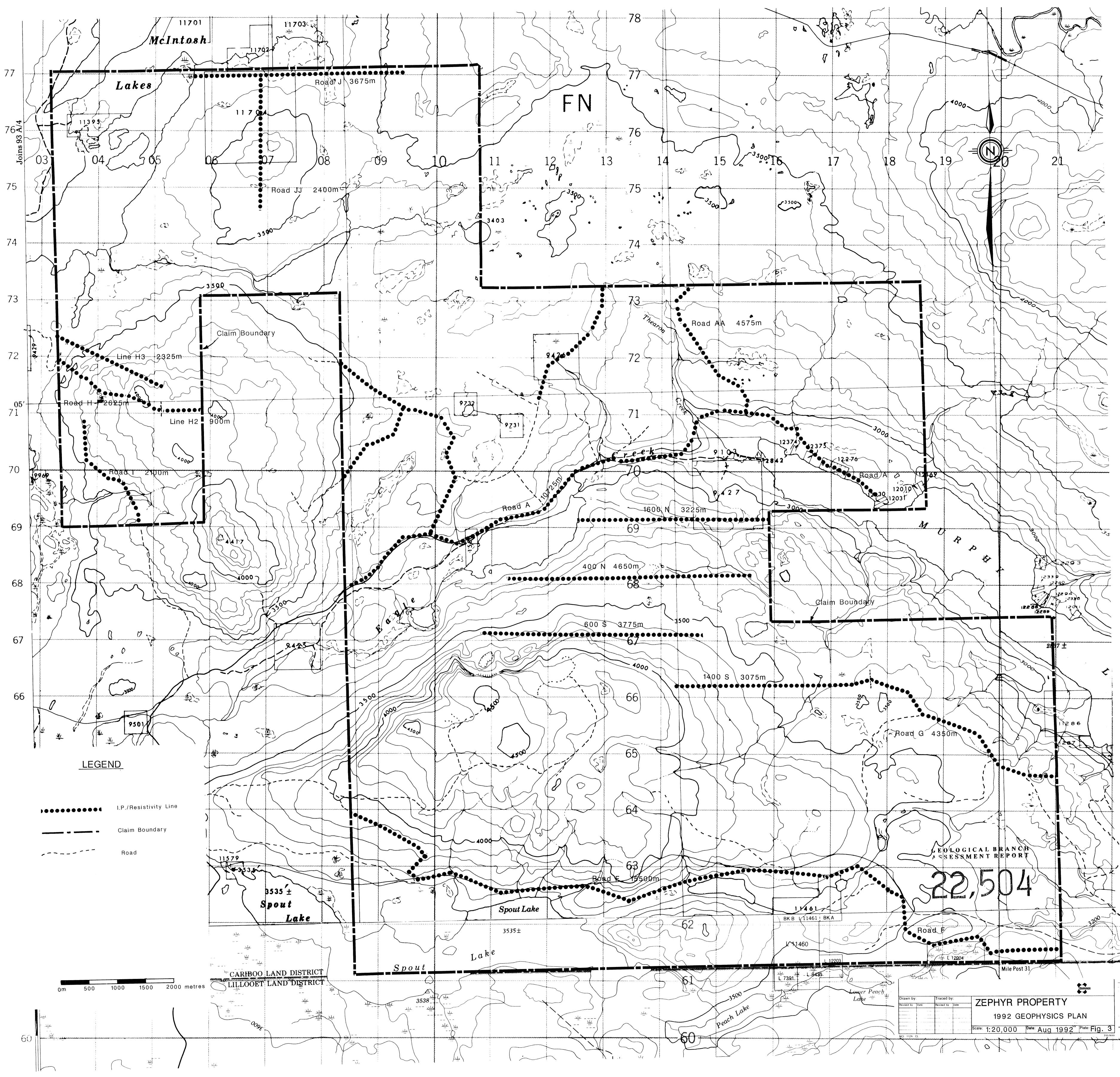
STATEMENT OF QUALIFICATIONS

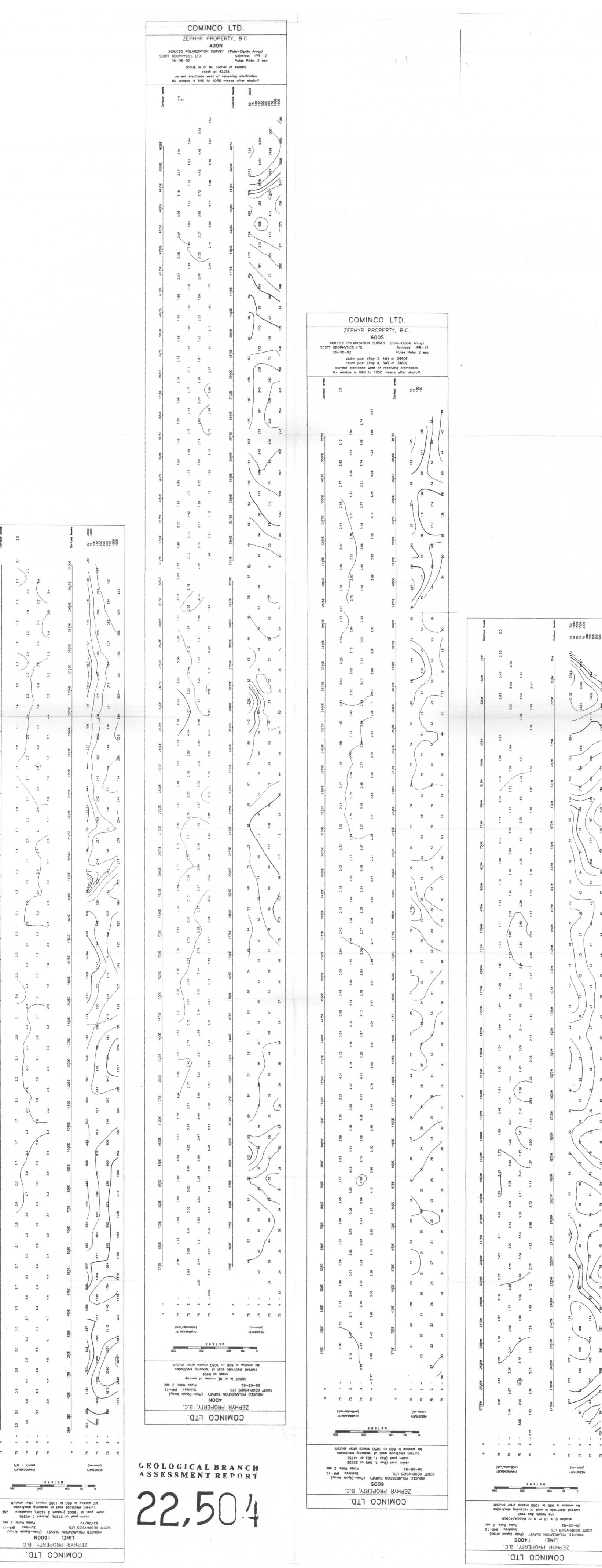
- I, Randal J. Aulis, with a business address in Vancouver, British Columbia and a residential address in New Westminster, British Columbia, hereby certify that:
- 1. I have been employed as a geologist since 1985 by Cominco Ltd. with a business address at 700 409 Granville St., Vancouver, British Columbia, V6C 1T2;
- 2. I graduated with a B.Sc. (Hons) Earth Sciences degree from the University of Waterloo in 1986;
- 3. I personally supervised the geophysical program conducted on the Zephyr property and have written this report on the matter.

Randal J. Aulis Geologist

Cominco Ltd.







(CM - V/Vm)

CHARGEABILITY

Pulse Rate: 2 sec

Scintrex 1PR-11

M7 window is 690 to 1050 msecs after shutoff

current electrode east of receiving electrodes

claim post at 2120E (Hubert 3 452W)

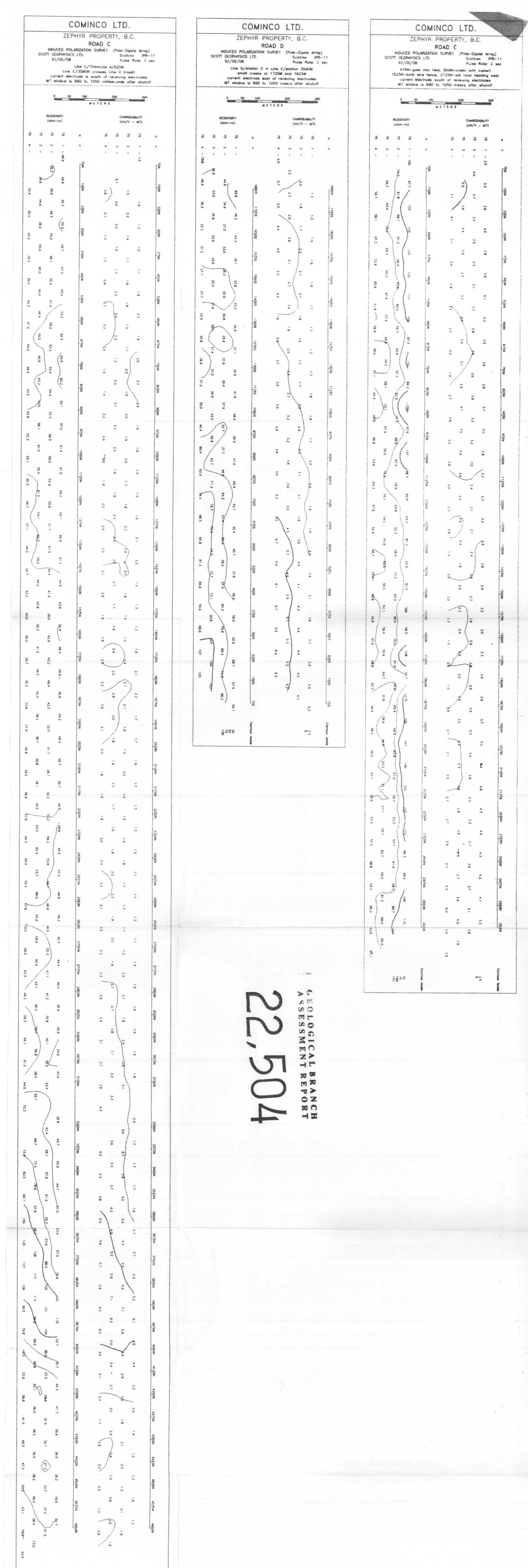
LINE: 1600N

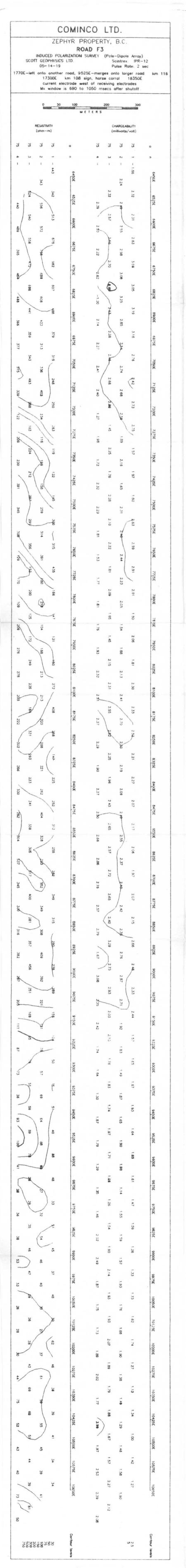
ZEPHYR PROPERTY, B.C.

COMINCO LTD.

(m-mho)

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OTT GEOPHYSICS LTD. Scintrex IPR-11 ROAD A Scintrex: IPR-12 SCOTT GEOPHYSICS LTD. 05-31-19 INDUCED POLARIZATION SURVEY (Pole-Dipole Array) Scintrex: IPR-12 SCOTT GEOPHYSICS LTD. Pulse Rote: 2 sec 06-02-19 SCOTT GEOPHYSICS LTD. Road AA/station 0 = Road A/9140E Pulse Rate: 2 sec 92/05/26 Scintrex IPR-11 Pulse Rate: 2 sec 8350E - small road goes south to lake creek at 1275N, road turns to right at 3120N 92/05/07 Pulse Rate: 2 sec 4650E - claim post (21107 Roy 1) 9625E - road turns S. culvert 10175E, lake 10740E current electrode south of receiving electrodes 8350E - small road goes due south to lake 425E-crosses creek, 2050-road branches N, 2825E/2950E-gate Mx window is 690 to 1050 msecs after shutoff current electrode west of receiving electrodes 4650E-claim post 211107 Ray 1 current electrode west of receiving electrodes Mx window is 690 to 1050 msecs after shutoff current electrode west of receiving electrodes M7 window is 690 to 1050 mascs after shutoff M7 window is 690 to 1050 mesos after shutoff METERS METERS RESISTIVITY CHARGEABILITY RESISTIMITY (millivolts/volt) CHARGEABILITY RESISTINITY CHARGEABILITY (millivolts/volt) RESISTINTY CHARGEABILITY (mV/V - M7) (mV/V - M7)2 2 2 2 E E E E 62 62 Ξ 122 4 93 185 84 828 000 SESSME OZ RO 0





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2552E 5770E 5775E 5850E 5975E 6000E 6075E 6150E 6227E 5207E 5375E 6450E Conflour Invade 217 229 225 1.77 1.73 1.56 1.62 1.90 2.75 1.77 1.79 2.56 218 204 1.75 1.61 1.33 1.62 1.62 2.27 1.77 1.70 1.90 2.26 219 225 5770E 5775E 5850E 5975E 6000E 6075E 6150E 6226E 6.000E 6.075E 6.000E 6.075E 6150E 6226E 6.000E 6.075E 6150E 6.000E 6.075E 6150E 6.000E 6.075E 6150E 6.000E 6.075E 6.000E 6.075E 6150E 6.000E 6.075E 6.000E 6	10.	30595			5550E
5700E 5775E 5950E 5975E 6004E 6075E 6170E 6275E 5206E 5275E 6450E Contour levels 0 2.18 2.04 1.75 1.61 1.33 2.11 2.03 2.75 1.77 1.79 2.16 2.29 2.26 1.77 1.73 1.56 1.62 1.62 2.27 1.77 1.70 1.90 2.28 2.29 2.26 2.04 1.85 1.43 1.80 1.58 1.62 2.27 1.77 1.70 1.90 2.28 5700E 5775E 5600E 5975E 6000E 6075E 6150E 6225E 6.000E 6375E 6450E Contour levels 5700E 5775E 5600E 5975E 6000E 5075E 6150E 6225E 6.000E 6375E 6450E Contour levels 249 1.55 2.14 2.55 1.43 1.80 1.55 1.84 1.74 1.58 1.99 2.33 240 1.50 2.10 3.50 2.10 3.50 2.20 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.5	3 8	5625E	2.13		5625E
5775E 5850E 5975E 6000E 6075E 61750E 6225E 5300E 5375E 6450E Conflour inverse 1.94	£)24		138	1.76	
9850E 5975E 6000E 6075E 6170E 6275E 5.300E 6375E 6450E Conflour levels 1.75 1.61 1.33 1.62 1.96 2.36 1.88 1.77 1.79 2.56 1.77 1.73 1.56 1.62 1.62 2.27 1.77 1.70 1.90 2.26 1.85 1.43 1.60 1.58 1.84 1.74 1.58 1.94 1.99 2.33 1.85 1.43 1.60 1.50 1.50 1.84 1.74 1.58 1.94 1.99 2.33 1.85 1.43 1.60 1.50 1.50 1.84 1.74 1.58 1.94 1.99 2.33 1.85 1.43 1.60 1.50 1.50 1.84 1.74 1.58 1.94 1.99 2.33 1.80 1.90 1.90 1.90 1.90 1.90 1.90 1.90 1.9	330		2.76	.9	
50E 5975E 6000E 6075E 6150E 6275E 5300E 5375E 6450E Contour inversity 1.72 1.31 1.33 2.11 2.03 2.75 1.77 1.79 1.75 1.61 1.33 1.62 1.96 2.36 1.88 1.52 2.16 1.75 1.63 1.43 1.80 1.50 1.50 1.84 1.74 1.58 1.94 1.99 2.33 1.85 1.43 1.80 1.50 6150E 6275E 6300E 6275E 6300E 6375E 6450E Contour inversity 50E 5975E 6000E 6075E 6150E 6275E 6300E 6375E 6450E Contour inversity 1.70 1.90 377 1.90 308 309 300 300 300 300 300 300 300 300 300				/	
25E 6000E 6075E 6120E 6225E 5300E 5378E 6450E Conflour levelle 1.31 1.33 2.11 2.03 2.75 1.77 1.79 2.5 1.56 1.52 1.52 2.27 1.77 1.70 1.90 2.26 1.43 1.80 1.58 1.84 1.74 1.58 1.94 1.99 2.33 1.56 1.00 1.00 1.00 5075E 6120E 6225E 6300E 6375E 6450E Conflour levelle 25E 6000E 6075E 6120E 6225E 6300E 6375E 6450E Conflour levelle 25G 200 377 1.70 3.98 3.50 3.94 3.99 3.00 3.00 3.00 3.00 3.00 3.00 3.00	17 28		.88	3	
COE 6075E 6150E 6275E 5306E 5375E 6450E Contour levels 1.33 2.11 2.03 2.75 1.77 1.79 2.56 1.80 1.50 1.50 1.54 1.74 1.50 1.90 2.26 1.80 1.50 6150E 6225E 6300E 6375E 6450E Contour levels 205 206 127 406 364 355 365 366 350 207 208 127 406 364 355 366 360 207 208 127 406 364 355 366 360 208 209 209 209 209 209 209 209 209 209 209	B (d		1.43	6	
75E 6150E 6225E 5305E 6375E 6450E Contour levels 1.62 1.96 2.36 1.88 1.52 2.16 1.59 1.84 1.74 1.58 1.94 1.99 2.33 75E 6150E 6225E 6300E 6375E 6450E 200 308 729 364 385 388 750 200 308 729 360 4.57 390 547 350 350 350 350 350 350 350 350 350 350	- B	30008	1.80	1.33	30008
8150E 6225E 5300E 5375E 6450E Contour levels 2.11	('	6075E			6075E
6225E 5300E 6375E 6450E Contour levels 2.03 2.75 1.77 1.79 2.5 6 2.36 1.88 1.52 2.16 2.27 1.77 1.70 1.90 2.26 4 1.74 1.58 1.94 1.99 2.33 4 1.74 1.58 5375E 6450E Contour levels 6225E 6300E 6375E 6450E 308 729 364 399 2.33 308 729 364 399 300 300 300 300 300 300 300 300 300	000	30519	1.62	2.11	81506
SXOCE 6375E 6450E Conflour levels 2.75 1.77 1.79 2.16 1.77 1.70 1.90 2.26 1.77 1.70 1.99 2.33 6.300E 6375E 6450E Conflour levels 6.300E 6375E 6450E Conflour levels 729 364 385 388 550 8 364 385 388 550 280 457 250 500 500 500	35 X	6225E	2.27	2.03	62258
5375E 6450E Contour levels 1.77 1.79 2.16 1.70 1.90 2.26 1.70 1.99 2.33 8 1.94 1.99 2.33 6.375E 6450E Contour levels 6.375E 6450E Contour levels 1.5 305 308 75 100 150 150 150 150 150 150 150 150 15	280		1.77	2.73	
75E 6450E Contour levels 1.52 2.16 1.90 2.26 1.94 1.99 2.33 1.94 1.99 2.33 1.94 1.99 2.33 3.99 2.30 3.99 2.30 3.90 3.90 3.90 3.90 3.90 3.90 3.90 3.90 3.90 3.90 3.90 3.90 3.90 3.90 3.90 3.90 3.90 3.90 3.90 3.90 3.90 3.90 3.90 3.90 3.90 3.90 3.90 3.90 3.90 3.90 3.90 3.90 3.90 3.90 3.90				1.77	
2.16 2.16 2.26 1.99 2.33 1.99 2.33 1.50 Contour levels 1.5 2.60 1.50 1.50 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3			ý		
Confour levels 2.5 2.5 Confour levels Confour levels 15 100 150 100 150 100 150 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100	469	305	.99		305
	5000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Contour level		2.5	Contour leve
F (5)	300 300 300 300 300	Contour levels		ASSESSMENTREPO	Contour levels

COMINCO LTD.

ZEPHYR PROPERTY, B.C.

ROAD F2

INDUCED POLARIZATION SURVEY (Pole-Dipole Array)

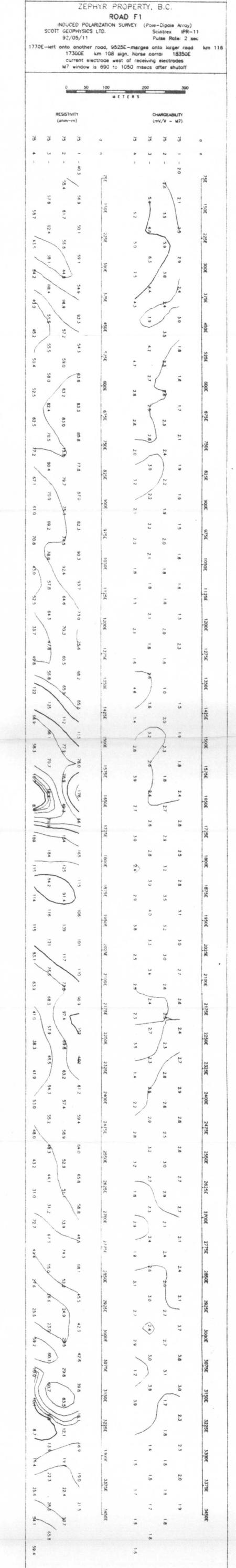
1770E-left anto another road, 9525E-merges anto larger road km 116

Scintrex. IPR-12

Pulse Rate: 2 sec

SCOTT GEOPHYSICS LTD.

05-13-92



50288835

PORT

75

COMINCO LTD.

SCOTT GEOPHYSICS LTD. Scintrex: IPR-12 05-16-92 Pulse Rote: 2 sec 1770E-left onto another road, 9525E-merges onto larger road 17300E km 108 sign, horse carral 18350E km 116 current electrode west of receiving electrodes Mx window is 690 to 1050 msecs after shutoff METERS CHARGEABILITY (ohm-m) (millivolts/volt) 2.84 14625E 2.62 14700E 520 0 86 906 2.01 8 812 8 2.33 2.56 953 2.75 952 2.70 15000E 2.32 2.93 2.65 2.82 15150E 15150E 2.69 2.94 1.95 2.02 1.74 223 6 6.30 3.52 4.26 4.26 16125E * 5.74 6 4.82 3.53 3.22 A S S E S S M E N T

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ROAD F5

INDUCED POLARIZATION SURVEY (Pole-Dipole Array)

BRANCH

COMINCO LTD.

ZEPHYR PROPERTY, B.C.

ROAD F4 INDUCED POLARIZATION SURVEY (Pole-Dipole Array)

SCOTT GEOPHYSICS LTD. Scintrex: IPR-12 05-16-19 Pulse Rote: 2 sec

17300E is	trode we	25E-merges onto larger road sign, horse corrol 18350E est of receiving electrodes 1050 msecs after shutoff	km 1
RESISTIMITY	-	E T E R S	
(ohm-m)	0	(millivolta/volt) おおおお	9
	3	4 3 2 -	2
28	10650E	1.82	10650E
5)	10725E	1.52	10725E
51 (44	10800€	1.58	10800E
2 3	10875E	2.19	10875E
1119	305601	2.55	10950E
1 1 13	11025E	12	1 1025E
119	E 11100E	2.17	E 11100E
1118	OE 11175E	4.16	
2 2		2.68	11175E 11
171 227	11 250E 1	1.98	11250E 1
27	11325€	2.29	11325E
7 4	11400E	234	11.400E
2 2	11475E	1.94	11475E
27 19	11550€	1.77	11550E
57 57	11625E	1.41	11625E
8 8	11700E	1.56	11700E
\$ 5	117756	1.73	117756
5 8	SE 11850E	1.82	5E 11850E
% % %		1.10	
8 4	11925E 12	1.50	11925E 12
* * *	12000€	1.56	12000E
2 2	12075E	1.67	12075E
8 8	12150E	2.77	12150€
t 25	12225E	229	12225E
35 (27	12300E	1.85	12300E
39 37	1237SE	2.81	1237SE
100	12450E		12450E
* * *	E 12525E	5.29	E 12525E
± ±	5E 12600E	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
\$ \$		1.12 U. 1.14	12600E 12
13 14 K	12675E 1	4.16 4.16 3.33	12675E 1
2/2	12750E	2.83 2.83 3.30	12750E
5 8	12825E	156	12825E
3 103	12900€	3.68	12900€
1	12975E	3.27 2.59 3.27 2.58	12975E
290	13050E	1.76	13050€
15 (15)	13125E	3.27	13125E
2 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	13200E	3.28	13200E
8 7 13	E 13275E	2.07	Æ 13275E
80 108		3.08	
2221	13350E 134	1.72	13350€ 134
213 209	13425E 13	350 3.15	1342SE 1
12 12	13500€ 1	3.12	13500E
1599	13575€	2.90 2 2.89 2.98 2 2.59	13575£
112 127	13650E	2.63	13650E
100	137258	2.78	13725E
39 134	13800E	2.33	13800E
117		2.75	
7		a	
120	14025E	2.64	14025E
130	14100E	2.50	
162		2.73	14100E 141
111	14175E 14	2.03	14175E 1
The state of the s	14250E 1	3.16	14250E
22 32	14325E	4.12 3.26 3.26 3.22	14325E
351	144008	3.56 3.90 3.77	14-400E
483 391 364	14475E	2.87 3.24 4.10	14475E
109	14550E	3.52 2.90 2.67	1.4550E
736	1462	2.18	1462

2.70

COMINCO LTD. ZEPHYR PROPERTY, B.C. ROAD G INDUCED POLARIZATION SURVEY (Pole-Dipole Array) T DE OPHYSICS LTD. Scintrex: IPR-12 SCOTT GEOPHYSICS LTD. 05-18-92 Pulse Rote: 2 sec culverts at 220N, 1425N, and 2400N 2100N - read curves west 90 degrees current electrode south of receiving electrodes Mx window is 690 to 1050 msecs after shutoff 100 METERS RESISTIMITY CHARGEABILITY (ohm-m) (millivolts/volt) 75 75 3 75 3 3 75 75 N 2.83 395 NS. INS. 614 2.84 2.78 9 395 3.23 NOST SON 3.15 ğ 89% 3.10 3.09 225N 225N 241 3 09 234 1.38 234 292 3.95 NOOR 300N 2.67 2.67 296 236 2.75 4 : 271 375W 375W 2 3.47 280 399 2.66 347 204 4.23 450N 450N 2.28 3.07 361 249 3 66 264 2 525N 525N 28 \$.. 200 2.68 382 M009 MO99 2.57 2.60 354 380 2.89 366 2.63 337 675N 675N 2.56 2.6 419 908 653 2.87 2.61 312 750N 750M 294 3 94 2.93 3.01 ğ 825N 825N 573 8 2.82 804 2.89 2.79 707 46 9000 M006 3.11 2.77 834 3.09 2.79 975N 975N 828 3.33 757 775 1050N 1050N 720 3.02 3.33 742 710 3.08 3.02 1125M 1125N 2.73 603 2.98 2.87 4 3.00 1200N 1200N 2.22 2.68 426 8 259 2.27 2.84 450 1275N 1275N 2.20 549 2.44 337 146 2.37 2.58 210 1.350N 1350N 2.37 457 4 2.42 2.57 374 212 1425N 1425N 2.61 2.30 33 411 241 2.29 1500N NOOS 2.67 478 2.30 2.34 402 2.22 1575N 1575N 4.09 2.09 573 3.78 1.95 1650N 1650N 4.24 152 987 155 3.10 4.00 1725N 1725N 5.87 3.56 828 684 6 5.55 3.02 1800N 1800N 5.76 535 667 5.4 \$ 572 606 1875N 1875N 5.50 546 3 5.29 4.45 426/ 1950N 1950N 6.93 6.56 416 1.83 2025N 2025N 5.63 1223 7.95 4 26 382 2100N 2100N 9.41 6.17 628 5.17 8.71 379 2175N 2175N 8.88 1.93 647 429 525 6.39 392 8,60 2250N 2250N 6.25 8.22 884 397 6.14 580 6.72 2325N 2325N 807 6.31 701 419 673 7.18 5.86 2400N 2400N 868 622 6.17 7.24 6.41 6.27 884 2475N 623 6.92 5.87 570 434 614 6.56 5.71 2550N 255QN 416 6.48 435 8.07 446 551 550 2625N 2625N 6.73 611 726 824 6.33 7.34 2700N 2700N 6.27 7.19 730 123 6.21 4 8.74 709 2775N 2775N 1428 575 6.42 Se se 1.88 642 546 4.33 2850N 2850N 5.78 1170 5.94 9.33 ŧ 2925N 2925N 7.23 6.43 965 /921 5.69 773 3000N 3000N 723 8 8 6.86 8 307SM NS.O. 951/ 5.27 583 5.66 5.49 587 7.10 3150N 3150N 5 6.26 100 1079 5.56 675 3225N 3225N 4.48 5.77 1355 769 4.73 17 796 3300N 3300N 7.60 1275 1785 3.96 3375N 3375N / 1127 6.97 2487 7.32 2448 6.50 6.5 3450N 3450N 6.12 1656 1826 6.43 5.74 1787 5.76 3525N 3525N 1125 5.22 5.47 4.59 1041 1188 5.10 360QN 360QN 5.11 4.73 1256 8 1237 3.86 806 3675N 3675N 5.76 364 1223 5.38 3.60 940 3750N 3750N 5.40 1288 4.83 8 8 3825N 4 49 3825N 343 4.72 115 4.02 3900N 3900N 4.36 3.81 201 4.16 3.57 3975N 1211 4.06 404 1397 1361 10 3.38 4050N 1398 4.35 3.91 1525 Conti

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ZEPHYR PROPERTY, B.C.

LINE H3

INDUCED POLARIZATION SURVEY (Pole-Dipole Array)
SCOTT GEOPHYSICS LTD. Scintrex: IPR-12
06-06-92 Pulse Rate: 2 sec

Line H3/OW is 300 m N of road intersection, hdg = 295 helipad at 750E, Line H3 crosses road at 2100E current electrode is east of receiving electrodes Mx window is 690 to 1050 mascs after shutoff

current electr Mx window is	690 to 10	of receiving	electrode	es ff
0 50	100 M E T	200 t R S		500
RESISTMTY (ohm-m)			ARGEABILITY	
K K K K	٥	3 3	75	0
2	•	3 - 11.83	1 1	9
£/		1:		
349	2025W	8.99	5.24	2025W
383 428	1950W	8.43	5.47	M0561
2256	1875W	8.53	5.85	1875w
223		9.22	2.93	
240	1800W	9.28	3.72	1800W
1480 374	1725W	8.33	2	1725W
269	1650W	5.M	6.98	1650W
248	1575W	å () /ss	1575W
236 246	1500w	•	*/	1500W
255			11.60	
5000	1425W	3	7.96	1425W
254	1350W		9.05	1350w
408	1275W	11.09	7 £	1275W
327	1200W	11.23	9.41	1200w
842	1125W	12.19	8.8	1125W
1038	M0501 N	10.25	5.12	W0501
903		11.06	15	
88	975W	9.51	1 43	975W
B25 1002	MODE	9.28	3.68	MODE
506 578	825W	8.83	6.62	825W
450	75,0W	9.77	É	750W
368 540 577	675W	8.85 9.67	8.30	675W
645		9.19	9.37	
669	M003	9.55	8.89	W303
378 579 588	525W	-3	8	525€
334	450W	11.12	7.98	450W
375	375W	9.27	3.62	375w
ž ž	300w	9.76	6	300W
209 323 467 572		76	3.68 5.40	
419 Z28	225W	6.13	3.65	225w
345 432	150W	5.65	2 2 2 5	150W
*	75w		8	75₩

7.5 10 12.5 17.5

150 200 300 756 1000

COMINCO LTD.

ZEPHYR PROPERTY, B.C.

LINE H2

INDUCED POLARIZATION SURVEY (Pole-Dipole Array) SCOTT GEOPHYSICS LTD. Scintrex: IPR-12 06-06-92 Pulse Rote: 2 sec

Line H2/OE = Road H/2400E, claim post (Abbey 5,1W) at 225E claim post (Abbey 5 LCP) at 740E current electrode west of receiving electrodes Mx window is 690 to 1050 msecs after shutoff

RESISTIMTY					CHARGEABILITY			
	(ohm-					illivolts,		
7 3	2 2	3	٥	75	75	75	75	٥
	W N	-	5			2	-	3
		882	755				-20.98	756
	1256	`	m			22.04	/	6
		1273	150£	N	23.01	2	7.98	1500
1	1420	_	F	26.70	١	20.97	/	
,	<u> </u>	1285	225E	26	26.45	21	96.	225E
/	1121	-		26.33	12	21.82) ji	
1078	889	200	300€	26.	24.10	//	Ē	300€
		910		26.28	1	18	10.98	
1266	1182)°	375E	120	/*/	13.83	8	375E
	2	891		9	(0,0)	٥	Ē	
1460	1262	/	450£	16.38		1282	,	450E
	1363	1166	525E		14.41	1	7	\$25E
1087	1433		36	17.06		10.88		35
1	1099	1416	3009		14.02		12	3008
5/	122		m	16.43) _	1.04		m
	(n)			110	3.86			
592				10.27				
		- 74	Contour levels		N		7	Contour levels
	500	750	1		0.0	725	J _U	100

COMINCO LTD.

ZEPHYR PROPERTY, B.C.

ROAD H . INDUCED POLARIZATION SURVEY (Pole-Dipole Array) Scintrex: IPR-12 SCOTT GEOPHYSICS LTD.

RESISTIMITY

(ohm-m)

05-29-92 Pulse Rate: 2 sec log sort area at 280E, cross road at 800E 2400E - line goes off road into clearcut and bush

current electrode west of receiving electrodes Mx window is 690 to 1050 msecs after shutoff 0 50 100 200 300 M E T/E R S

> CHARGEABILITY (millivolts/volt)

75 75	0	2 2 2 2	0
3 316	WOOK .	2 - 4.34	WOOK 1
127 136	W 225W	7.13	W 225W
151 8 24		1.88	5W 150W
167	150w 7	0.12	
155 129	75W	2.95	75W
155	<u>R</u>	3.31	3-
267	75.6	7.97	75E
257	150E	7.27	3051
268	225£	3 1	725E
340	300€	8.92	300€
455	375E	13.00	375E
35.2 395	450E	10.66	450E
433 438	525E	11.58	525E
452	3009	7.75	3009
5500	675E	13.22	675E
390 328	750E	7.40	750E
261	825€	6.09	825€
209	3006	5.17	3006
45.9	975E		975E
299	1050E	9.00	1050E
312	11256	10.73	1125£
339	E 1200E	9.97	E 1200E
485	E 1275E	14.19	E 1275E
351	5E 1350E	14.44	SE 1350E
349		10.29	
381	1425E 16	12.74	1425E 15
\$113 \$100	1500E 1	15.55	1500E 1
328 48	1575£	14.54	1575£
700	3050	17.77	1650E
8	1725£	5	1725E
521 427	3008	3/15	1800E
256	1875£	8.13	1875£
150	1950E	23.06	1950£
703	2025E	25.36 25.36 22.74 21.97	2025€
540	2100E	24,82 24.84 15.72	2100€
451	2175£	13.5 Jan 19.5 Jan 19.	2175£
547	2250€	23.83	2250E
5 22 23 24 2	2325E	28.70	23258
¥67		27.74	
Amirin	Centr		Conto
750 750 750 750	Contour levels	8875 555 	Contour leveis

COMINCO LTD.

ZEPHYR PROPERTY, B.C.

ROAD I

SCOTT GEOPHYSICS LTD.

05-27-92

INDUCED POLARIZATION SURVEY (Pole-Dipole Array)
OTT GEOPHYSICS LTD. Scintrex: IPR-12 Pulse Rate: 2 sec

road I joins main road at 475N, leaves clearcut at 600N enters clearcut at 1760N, goes onto another road at 1800N current electrode south of receiving electrodes Mx window is 690 to 1050 msecs after shutoff

0 50 100 200 300 WETERS

	(ohm-m)		(r	CHARGEABILITY millivolts/volt)	
75	8 8	0	3 3	2 .73	۰
1 1	1 1	3	1 1	1 1	3
	123	75N		1.54	751
369	678	_	22	9 19	-
25)	530	150N	2.13		150N
*	\$	225N	2	8	225M
455	452 /255		2.4	1.56	
375	¥)	JOON	8.49	9	JOON
1	225	375N	1.88	1.36	375N
*	E E		1.38	300	
2 4 9	238	450N	2/2	Je la.	450N
220	1/8	525N) å	1/6	525N
280	15 N		10.008	6.73	
244	2772	6DON	7.68	8.39	NOON -
213) 172	675N	7.84	, j	675N
159	178		7.15	8.02	
269	136	750N	7.68	6.32	750N
223	126	825N	6.58	3.79	825N
317	129		8	4.43 2.60	
310	235	900N	6.20	2.94	M006
258	1	975N		284	975N
263	167		18	3.47	
252	241	1050N	* * *	2.94	1050N
253	206	1 125N	3.32	2.29	1125N
326	235		3.41	2.22	
351	370	1200N	4.42	3.92	1200N
380	327	1275N	3,66	9	1275N
266	395	ž	3.87	2.82	
245	271	1350N	2.89	1.98	1350N
25	237	1425N	2.57	1.66	1425N
232	289	2	2.79	2.14	2
265	247	1500N	2.05	2.15	1500N
375	\ \	1575N	2.62	1.36	1575N
398	315		257	2.23	
153	248	1650N	2.30	2.00	1650N
3/ 367	260	1725N	12	.36	1725N
364	55		3.28	1.85	
364	19 35 4	1800N	3.20	1.32	1800N
212	*		3.16	,	
273			3.05		
	V 78 12 -	Corrto		= 702	Conta
	150 200 300 500	Contour levels		7.5	Contour levels

ASSESSMENT RANCH

COMINCO LTD. ZEPHYR PROPERTY, B.C. ROAD J INDUCED POLARIZATION SURVEY (Pole-Dipole Array) Scintrex IPR-11 SCOTT GEOPHYSICS LTD. 92/05/09 Pulse Rate: 2 sec claim post at 520E (Duke 1) claim past at 3375E (LCP Duke) current electrode west of receiving electrodes M7 window is 690 to 1050 msecs after shutoff METERS RESISTIMTY CHARGEABILITY (ohm-m) (mV/V - M7) 156 84 8 31 33 33 123 95 Ē 132 177 8 82 8 B 8 82 196 177 8 8 5 178 180 10 2.8 63 138 63 132 157 171 1575E 117 123 Ē 138 2700€ 136 2775E 8 120 126 13 129 4.2 3.9 123 3000€ 3000E 8 123 131 3075£ 3.3 3150E 3225E 3300€ 3300E 12 3375E 3375E 75 5 200 30

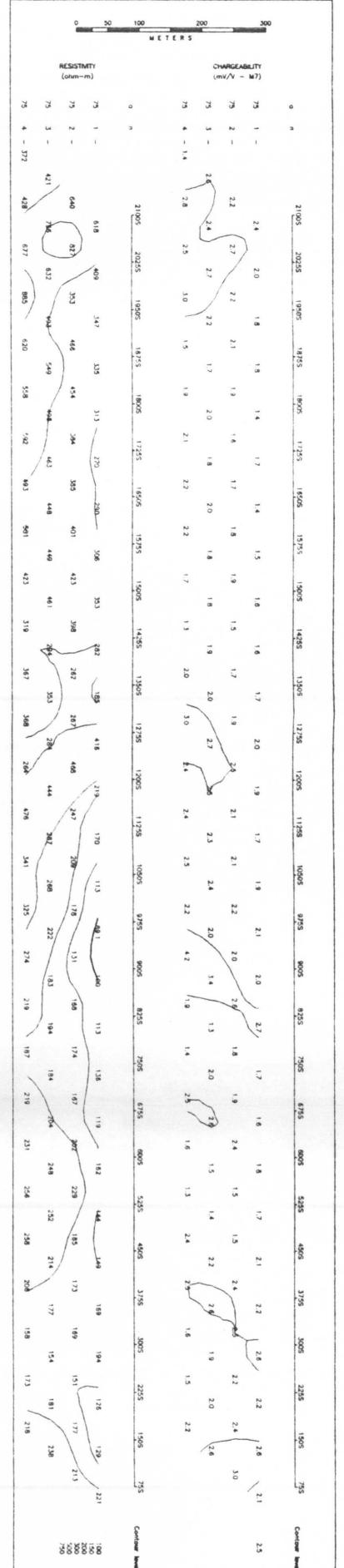
COMINCO LTD.

ZEPHYR PROPERTY, .B.C.

ROAD JJ

INDUCED POLARIZATION SURVEY (Pole-Dipole Array)
TO OCOPHOSICS LTD. Scintrex IPR-11 SCOTT GEOPHYSICS LTD. 92/05/10 Pulse Rute: 2 sec

Line JU/75S - Line J/1275E 1480S - line leaves road and goes into bush current electrode north of receiving electrodes M7 window is 690 to 1050 msecs after shutoff



SSESSME 20 00 DA OZ RO T