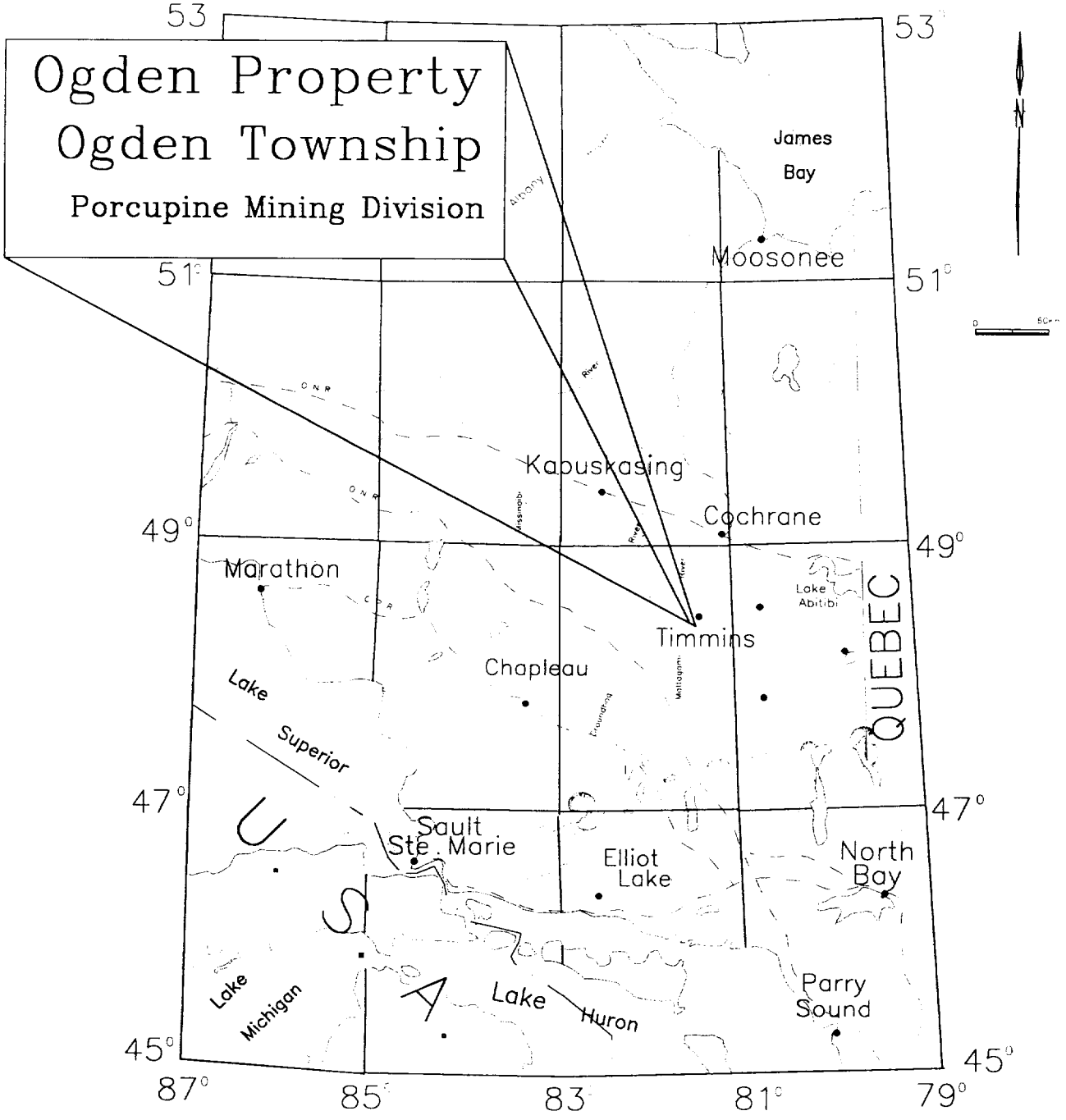
Report Of Work
for
Canadian Golden Dragon Res.



Geoserve Canada Inc. R.A. Barber Jan 1998

FIGURE 1

1.0 SUMMARY

Between August 1997 and January 1998, Geoserve Canada Inc conducted line cutting, magnetics and induced polarization surveys on the Ogden Properties. These were successful in helping to define the bedrock geology of the property and in locating several IP anomalies. Anomalies located north and south of the DeSantis Mine appear to have been tested by past diamond drilling, but were not extensively drilled. A resistivity/chargeability anomaly northwest of the DeSantis Mine does not appear to have been drilled. Anomalies in the southwest part of the property are also attractive in that very limited diamond drilling was performed in the past and the area is underlain by a major volcanic/sediment contact.

It is recommended that a complete geological/geophysical compilation be prepared, followed by diamond drilling of any IP anomalies which have not been adequately tested by past work.

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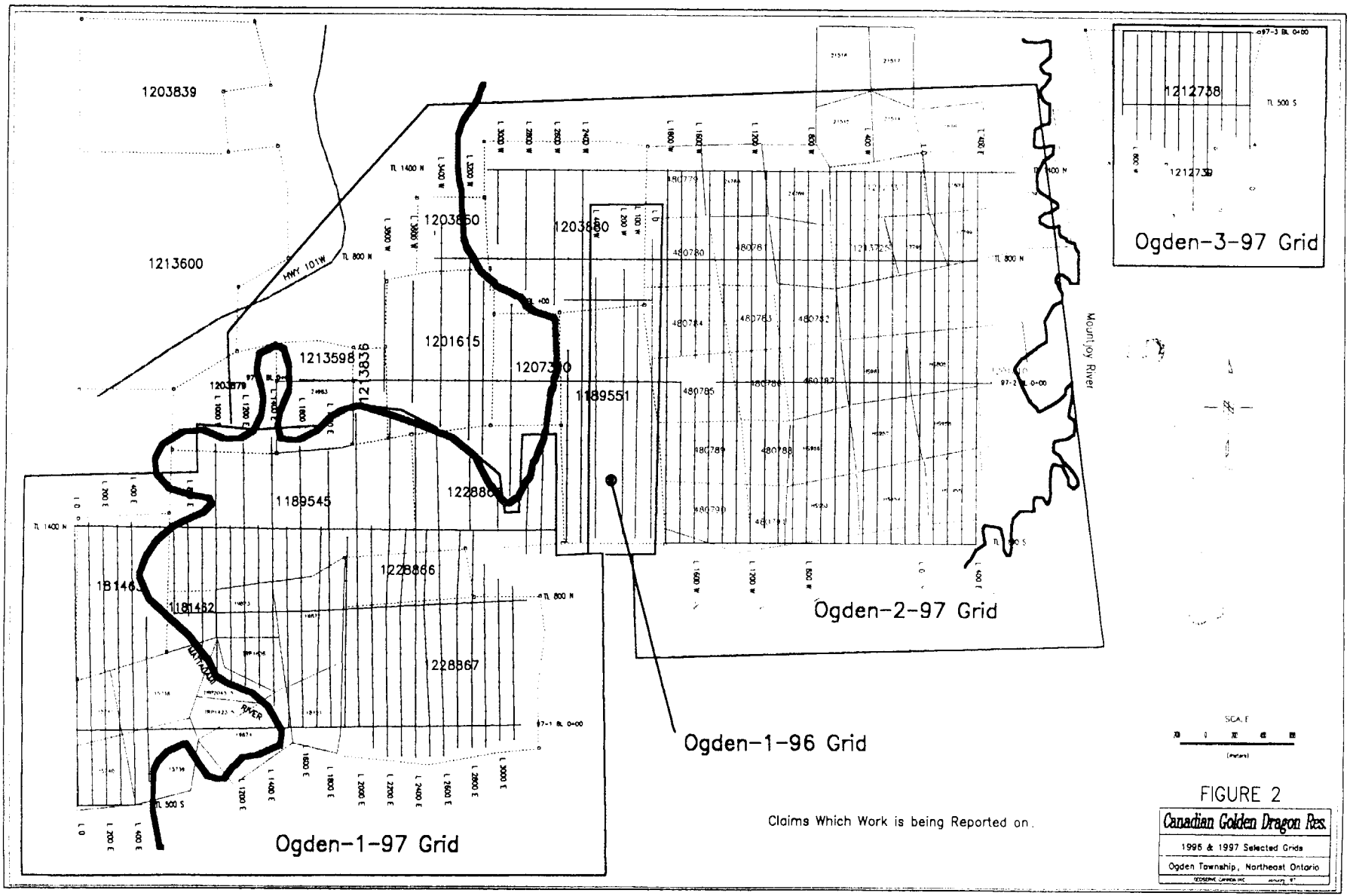
2.0 INTRODUCTION

Between August 1997 and January 25, 1998 Geoserve Canada Inc was contracted to perform magnetometer surveys on two properties optioned by Canadian Golden Dragon Resources Ltd in Ogden Township, ON. IP surveys were also carried out on the larger, main property. The objective of this program was to detect areas which would be favourable to host gold mineralization. This work expands upon the work done in 1996, which consisted of four lines of IP and which has already been reported on. The result of the magnetics and IP surveys conducted in 1997-98 form the basis of this report. Work performed on the patented and leased claims around the DeSantis Mine is reported but the expenditures are not being filed for assessment at this time.

The properties are located approximately 4 miles southwest of Timmins, ON. Access to the western part of the main property is by Highway 101 or by Dalton Road, from Timmins, while the eastern and central parts of the property can be reached by Pine Street South, from Timmins to the DeSantis Mine Road.

3.0 PREVIOUS WORK

No less than 20 different operators have filed work on parts of the current properties. Magnetometer, induced polarization and various electromagnetic surveys, as well as geological mapping and a great deal of diamond drilling have been performed in the past. A complete compilation of this work is beyond the scope of the current study, but the main prospects are discussed in the following paragraph.



Claims Which Work is being Reported on.

(2)

The main property covers the former DeSantis gold mine and is located just west of the old Naybob Gold Mine. Past production at the Naybob Mine totals 50731oz of gold at an average grade of 0.17oz Au/ton. Past production at the DeSantis Mine totals 35842 oz of gold at an average grade of 0.18 oz Au/ton. Mineralization at both mines consists of quartz-carbonate vein systems within sericitized, carbonatized and/or silicified mafic and ultra mafic volcanics. Disseminated pyrite and arsenopyrite are associated with the veins and alteration haloes.

4.0 1997 WORK

4.1 Line Cutting

From August 1997 to Januray 1998, Geoserve line cutting crews cut grids on the Ogden properties.

The Ogden 97-1 grid is located in the south western part of the main property. This consists of a baseline 3.15 km long, oriented 090° Az, tielines at 500S, 800N and 1400N totaling 6.35 km and 32 crosslines, spaced 100 m to 200 m apart, for a total of 56.6 km.
Anchor Point; 465557E/5361440N in UTM coordinates.

The Ogden 97-2 grid occupies the centre and eastern portions of the main property. This consists of a baseline, 4.9 km long, oriented 090° Az, tielines at 1100S, 800N and 1400N totaling 9.8 km and 31 crosslines spaced 100 m to 200 m apart, for a total of 82.075 km.
Anchor Point; 471517E/5363844N in UTM coordinates.

The Ogden 97-3 grid is located on the second, smaller property. It consists of a baseline 0.9 km long, oriented 090° Az and 10 crosslines spaced 100 m apart, for a total of 9.775 km.

Anchor Point; 473848E/5366229N in UTM coordinates.

All lines on all grids were chained at 25 m intervals. The total amount of line cutting is 148.45 km.

4.2 TFM SURVEY

4.2.1 Procedure

Magnetometer surveys were carried out on the properties at various times from August 1997 to January 25, 1998. Crews read every line at 12.5 m intervals with GSM-19 magnetometers. A similar GSM-19 magnetometer was used to monitor the diurnal drift at 30 second intervals. This original data ranges from 57741 nT to 60269 nT. The original data was then corrected by subtracting 58000 nT. The data is shown in Plan 2 and was contoured at 10 nT and 50 nT intervals. A total of 23708 stations were read for 148.45 km.

4.2.2 Results

Results of the magnetics survey are shown on Plan 2. The two most prominent features outlined by the survey are a number of north-south trending anomalies in the centre and eastern parts of the main property and a sharp decrease in the magnetics near TL 1400N on the 97-1 Grid (south of the Mattagami River). These probably represent north-south trending diabase dykes and the contact between sediments to the north and mafic

volcanics to the south, respectively. This contact serves as a marker and shows a total offset of approximately 400 m along a north-south fault. A weak magnetic high near the baseline on lines 3000W to 3800W on the 97-2 grid is unexplained.

The magnetics on the 97-3 grid appears very flat indicating very homogenous bedrock.

4.3 IP SURVEYS

4.3.1 Procedure

Time domain Induced Polarization surveys were run on the 97-1, and 97-2 Grids beginning August 1997 and continuing intermittently through to January 25, 1998. Crews used the Androtex TDR-6 Receiver in conjunction with the Scintrex TSQ-3 Transmitter, with electrodes arranged in a Pole-Dipole Array. A 50 m dipole separation was used and n=1 to n=6 were read at 50 m intervals.

4.3.2 Results

The results of the survey can be seen on the sections and Plan 3 (Compilation Map) which accompany this report. Generally, the IP anomalies are seen to trend in a roughly east-west direction. Significantly, low to moderate chargeability anomalies are located approximately 200 m north (A1)and 500 m south(A2), respectively, of the DeSantis Mine. These can be traced from L200E to L2300W, or a total of 2500 m in the case of A1. A2 is not as strong or as continuous but none the less can be traced intermittently from L200E to L1700W, or 1900 m. Some diamond drilling appears to have been conducted on these anomalies, mainly near the DeSantis Mine. The centre and western portions are largely untested. Another weak anomaly trend is seen on lines 1200W to 2600W at 500S to 800S (A3). This is also largely untested by diamond drilling.

The north-south trending area of higher resistivity on line 1700W is probably due to a diabase dyke, and is easily seen on the magnetics survey.

In the southwestern part of the property, on the 97-1 Grid, four moderately high to high chargeability anomalies are seen. Anomalies A6 and A8 coincide with resistivity lows while the A7 anomaly coincides with a broad area of higher resistivity. A6 appears to be strongest on Lines 1900E to 2100E. A7 is relatively uniform, especially between Lines 1800E to 2400E. A8 is strongest on Lines 2700E to 3200E. An offset of approximately 200 m along a north-south fault occurs between Lines 2800E and 2900E. Note that this anomaly is open to the south on the west end. OGS mapping shows the south-west part of the property to be underlain by interbedded mafic to felsic volcanics and a band of sediments (greywacke). The IP anomalies are probably a reflection of these different lithologies. In particular, A7 is near the southern contact of the sediment band with felsic volcanics. The coincident high resistivity suggests a hydrothermal alteration system may be present. Some past drilling is shown on these anomalies, but none are believed to have been extensively tested.

A5 is a prominent chargeability anomaly of moderate to high strength which coincides with the edge of a resistivity high, but is within an area of homogenous resistivity. The anomaly coincides with a sharp decrease in the magnetics. Government mapping shows a major volcanic/sediment unconformity in this area. The anomaly is inferred to be within the sediments.

In the northern part of the property, several weak to moderate chargeability anomalies were located. An east-northeast trending anomaly (A9) occurs between L900W and

Induced Polarization Survey Statistics

Section	S Limit	N Limit	Length	Traverse	Read	Grid	Infinity	Filename
L0+00E	-400	1400	1800	N to S	3/19/97	Ogd-1-97	550E/1950N	OG0E
L100E	-500	1400	1900	S to N	3/20/97	"	"	OG1E
L200E	-500	1400	1900	N to S	3/21/97	"	"	OG2E
L1200E	850	1400	550	N to S	9/23/97	"	1600E/650S	OG12E
L1300E	300	1350	1050	S to N	9/23/97	"	"	OG13E
L1400E	150	1350	1200	N to S	9/22/97	"	"	OG14E
L1500E	0	1300	1300	S to N	9/21/97	"	1600E/800S	OG15E
L1600E	0	1300	1300	S to N	9/20/97	"	"	OG16E
L1700E	0	1400	1400	S to N	9/18/97	"	1600E/800S	OGD17E
L1800E	0	1400	1400	S to N	9/19/97	"	"	OGD18E
L1900E	0	1400	1400	N to S	9/19/97	"	"	OGD19E
L2000E	-150	1400	1550	N to S	9/20/97	"	"	OGD20E
L2100E	-150	1400	1550	S to N	9/20/97	"	"	OGD21E
L2200E	-200	1400	1600	N to S	9/20/97	"	2300E/1800N	OGD22E
L2300E	-200	1350	1550	S to N	9/22/97	"	"	OGD23E
L2400E	-200	1350	1550	N to S	9/22/97	"	"	OGD24E
L2500E	-200	1350	1550	S to N	9/23/97	"	"	OGD25E
L2600E	-200	850	1050	S to N	9/23/97	"	"	OGD26E
L2700E	-150	1350	1500	N to S	9/24/97	"	"	OGD27E
L2800E	-150	1350	1500	N to S	9/25/97	"	3000E/2900N	OGD28E
L2900E	-150	1100	1250	S to N	9/25/97	"	"	OGD29E
L3000E	-100	1000	1100	N to S	9/26/97	"	"	OGD30E
L3100E	-100	950	1050	S to N	9/27/97	"	"	OGD31E
L3200E	850	150	700	N to S	9/27/97	"	"	OGD32E
PHASE I			**32700**					**23 Sections**
L200E	-1100	300	1400	N to S	10/03/97	Ogd-2-97	-400/800	2OGD2E
L0+00W	-1100	300	1400	S to N	10/04/97	"	"	2OGD0E
L200W	-1100	300	1400	N to S	10/04/97	"	"	2OGD2W
L300w	-1100	300	1400	S to N	10/05/97	"	"	2OGD3W
L500W	-1100	300	1400	N to S	10/05/97	"		2OGD5W
L700W	-1100	0	1100	S to N	10/06/97	"	-700/300	2OGD7W
L800W	-1100	0	1100	N to S	10/06/97	"		2OGD8W
L900W	-1100	1450	2550	S to N	10/07/97	"	-1000/1800	2OGD9W
L1100W	0	1400	1400	N to S	10/08/97	"	-1100/400	2OGD11W
L1200W	-1100	0	1100	N to S	10/08/97	"	-1100/400	2OGD12W
L1300W	-1100	1400	2500	S to N	10/09/97	"	-1000/1800	2OGD13W
L1400W	-1100	0	1100	N to S	10/08/97	"	-1100/400	2OGD14W
L1500W	-1100	-50	1050	S to N	10/08/97	"	"	2OGD15W
L1600W	-1100	1400	2500	N to S	10/09/97	"	-1000/1800	2OGD16W
L1700W	-1100	-50	1050	S to N	10/09/97	"	-1100/400	2OGD17W
L1800W	-1100	1400	2500	S to N	10/10/97	"	-1000/1800	2OGD18W
PHASE II			**24950**					**16 Sections**
L3800W	-50	700	750	N to S	11/09/97	OGD-2-97	-3300/1150	3OGD38W
L3600W	-200	400	600	S to N	11/09/97	"	"	3OGD36W
L3200W	-400	800	1200	N to S	11/09/97	"	"	3OGD32W
L3100W	-500	650	1150	S to N	11/10/97	"	-3100/1150	3OGD31W
L3000W	700	1600	900	S to N	11/10/97	"	-2800/1850	3OGD30W
L2800W	-200	800	1000	N to S	11/11/97	"	"	3OGD28W
L2600W	500	1650	1150	S to N	11/11/97	"	"	3OGD26W
L2500W	-1100	100	1200	S to N	11/12/97	"	-2400/700	3OGD25W
L2400W	-1100	1400	2500	N to S	11/12/97	"	"	3OGD24W
L800W	0	1400	1400	N to S	11/13/97	"	-700/-200	3OGD8W
L600W	0	1400	1400	S to N	11/13/97	"	"	3OGD6W
L200E	0	1400	1400	S to N	11/14/97	"	300/-500	3OGD2E
L400E	-350	1400	1750	S to N	11/14/97	"	"	3OGD4E
L1000E	1050	1950	900	S to N	11/16/97	OGD-1-97	1800/600	3OGD10E
L1200E	1050	1950	900	N to S	11/16/97	"	"	3OGD12E
L1400E	1050	1950	900	N to S	11/17/97	"	"	3OGD14E
L1600E	1050	1950	900	S to N	11/17/97	"	"	3OGD16E
L1800E	1050	2100	1050	N to S	11/17/97	"	1600E/800N	3OGD18E
L2000E	1050	1800	750	S to N	11/17/97	"	2400/700	3OGD20E
L2200E	1050	1550	500	N to S	11/17/97	"	"	3OGD22E
L2400E	1050	2050	1000	S to N	11/18/97	"	"	3OGD24E
L2600E	1050	2000	950	N to S	11/18/97	"	"	3OGD26E
L2800E	1050	1800	750	S to N	11/19/97	"	"	3OGD28E
L3200E	1100	1950	850	N to S	11/10/97	"		3OGD32E
PHASE III			**25850**					**24 Sections**

ipstat2 ogd

83.5km of surveyed area on 52 separate lines, combining 63 sections (due to lines read in two parts).

2200W at 1400N to 1000N. The discontinuous nature of this anomaly is in part due to the survey coverage. Note that this anomaly is open to the north.

A cluster of weak chargeability anomalies occurs between L900W and 1300W, at 900N to 400N. These are located within a very prominent resistivity high. Government mapping shows this area to be underlain by undifferentiated sediments. It is therefore interesting that such a strong resistivity anomaly should occur in this area. This anomaly is not known to have been drilled.

Three isolated chargeability anomalies west of the Mattagami River, on Lines 2000W, 3100W and 3200W occur in an area of very homogenous resistivity. The anomalies may be due to geophysical "noise".

Two other anomalies, A4 and A11 are located near the centre of the property. These do not appear to have been drilled in the past and their cause is unknown.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The magnetics surveys were successful in showing the locations of several diabase dykes on the property, as well as a major north-south fault. An area of high magnetics occurs immediately south of the DeSantis Mine and strikes in a west-southwest direction across the property.

Several IP anomalies were located on the property, including two in the vicinity of the DeSantis Mine . These should be followed up. The anomalies in the southwest portion

of the property are probably due at least in part to lithological contacts, but should be investigated further. The coincident resistivity/chargeability anomaly in the northern part of the property also deserves follow-up.

The author is not aware of any geological/geophysical compilation which incorporates the results of all past work on the current property. Much useful information could be gained by revising the known geology with the results of past diamond drilling, not the least of which would be which of the anomalies outlined by this program have been tested. Therefore, to advance the property it is recommended that;

1. A geological/geophysical compilation be completed of the current property.

2. Those anomalies outlined by the IP surveys which have not been adequately tested by diamond drilling should be drilled.

6.0 REFERENCES

Carlson, H. D., 1967, Geology of Ogden, Deloro and Shaw Townships, District of Cochrane, ODM OFR No 5012.

Jan 30, 1998

R Burk

7.0 CERTIFICATE OF QUALIFICATIONS

I, **Rodney Alan Barber**, residing at 119 Lois Crescent, Timmins, ON., certify that:

1. I hold a BSC (Honours) in Geology, obtained from Laurentian University, Sudbury, ON in 1988.

2. I have worked within the mineral exploration and mining industries since 1988, with an emphasis on northeastern Ontario for the last 7 years.

3. This report is the product of the examination of the survey results which accompany this report, published geological reports, maps and Assessment Files located in the Resident Geologists Office South Porcupine, ON.

4. I have no direct interest in Canadian Golden Dragon Resources Ltd or the Ogden Property.

Jan 30, 1998
Date

R Barber
Rodney A. Barber

8.0 GEM Systems Advanced Magnetometers GSM-19 V 4.0

GEM Systems Inc
52 West Beaver Creek Road, Unit 14
Richmond Hill, Ontario Phone; (905) 764- 8008
Canada, L4B-1L9 Fax ; (905) 764- 9329

8.2.1 Instrument Description

·The sensor is a dual coil type designed to reduce noise and improve gradient tolerance. The coils are electrostatically shielded and contain a proton rich liquid in a pyrex bottle, which also acts as an RF resonator.

·The sensor cable is coaxial, typically RG-58/U, up to 100m long.

·The staff is made of strong aluminum tubing sections. This construction allows for a selection of sensor elevations above the ground during surveys. For best precision the full staff length should be used. Recommended sensor separation in gradiometer mode is one staff section, although two or three section separations are sometimes used for maximum sensitivity.

·The console contains all the electronic circuitry. It has a sixteen key keyboard, a 4x20 character alphanumeric display, and sensor and power input/ output connectors. The keyboard also serves as an ON-OFF switch.

·The power input/output connector also serves as a RS232 input/output and optionally as analog output and contact closure triggering input.

·The keyboard front panel, and connectors are sealed (can operate under rainy conditions)

·The charger has two levels of charging, full and trickle, switching automatically from one to another. Input is normally 110V 50/60Hz. Optionally, 12V DC can be provided.

·The all-metal housing of the console guarantees excellent EM protection.

8.2.2 Instrument Specifications

Resolution 0.01 nT, magnetic field and gradient
Accuracy 0.20 nT over operating range
Range 20,000 to 120,000 nT automatic tuning, requiring initial setup
Gradient Tolerance over 10,000 nT/m
Operating Interval 3 seconds minimum, faster optional. Reading initiated from keyboard, external trigger, or carriage return via RS-232
Input/Output 6 pin weatherproof connectors
Power Requirements 12V, 200mA peak, 30mA standby, 300mA peak with Gradiometer
Power Source Internal 12V, 1.9Ah sealed lead-acid battery standard, external source optional.
Battery Charger Input; 110/ 220VAC, 50/60Hz and/or 12VDC
Output; 12V dual level charging
Operating Ranges Temperatures; -40°C to +60°C
Battery Voltages; 10.0 V min to 15.0V max
Humidity; up to 90% relative, non condensing
Storage Temperature -50°C to +65°C
Dimensions Console; 223 X 69 X 240 cm
Sensor Staff; 4 x 450mm sections
Sensor; 170 x 71 mm diameter
Weight; Console 2.1Kg Staff 0.9Kg Sensors; 1.1Kg

8.2.3 Theory;

The magnetic method is based on measuring alteration in the shape and magnitude of the earth's naturally occurring magnetic field caused by changes in the magnetization of the rocks in the earth. These changes in magnetization are due mainly to the presence of the magnetic minerals, of which the most common is magnetite, and to a lesser extent ilmenite, pyrrhotite, and some less common minerals. Magnetic anomalies in the earth's filed are caused by changes in two types of magnetization; (1) Induced, caused by the magnetic field being altered and enhanced by increases in the magnetic susceptibility of the rocks, which is a function of the concentration of the magnetic minerals. (2) Remanent magnetism is independent of the earth's magnetic field, and is the permanent magnetization of the magnetic particles (magnetite, etc..) in the rocks. This is created when these particles orient themselves parallel to the ambient field when cooling. This magnetization may not be in the same direction as the present earth's field, due to changes in the orientation of the rock or the field. The ***unit*** *of measurement (variations in intensity) is commonly known as the Gamma which is equivalent to the nanotesla (nT).*

8.3.4 Method;

The magnetometer, ***GSM-19*** *with an Overhauser sensor measures the* ***Total Magnetic Field*** *(TFM) perpendicular to the earth's field (horizontal position in the polar region). The unit has no moving parts, produces an absolute and relatively high resolution measurement of the field and displays the measurement on a digital lighted display and is recorded (to memory). Initially, the tuning of the instrument should agree with the nominal value of the magnetic field for each particular area. The Overhauser procession magnetometer collected the data with a* ***0.2 nanoTesla accuracy****. The operator read each and every line at a* ***12.5 m interval*** *with the sensor attached to the top of three (56cm) aluminum tubing sections. The readings were corrected for changes in the earth's magnetic field (diurnal drift) with a similar GSM-19 magnetometer, >>base station<< which automatically read and stored the readings at every 30 seconds. The data from both units was then downloaded to PC and base corrected values were computed.*

Induced Polarization

·**Androtex TDR-6;** The TDR-6 induced polarization receiver is a highly cost-effective instrument for the detailed measurements of IP effects and apparent resistivity phenomenon. Up to six dipoles can be measured simultaneously, thus increasing 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 2x16 character display LCD module and any selected parameters con 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 the internal memory with a capacity of up to 2700 readings (450 stations). The data format is directly compatible with Geosoft without the necessity of an instrument conversion program.

Features

·Wide input signal range ·Automatic self-potential cancellation ·Staking/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

·Dipole	n1 to n6 simultaneously
·Input Impedance	10 megohm
·Input Voltage (Vp)	range:100µV to 30 Volts (automatic), accuracy:.25%, resolution:10µV.
·Self Potential (SP)	range:±2V,accuracy:1%,Automatic compensation ±1
·Chargeability (M)	range:300mV/V,accuracy:.25%,resolution:.1mV/V
·Automatic Stacking	2 to 32 cycles
·Delay Time	programmable
·Integration Time	programmable for each gate (10 gates)
·Total Chargeability Time	During integration time of all gates
·Synchronization Signal	programmable from channel 1 to 6
·Filtering	power lines:dual notch 60/180Hz or 50/150Hz, 100dB, other:Anti-alias, RF and spike rejection.
·Internal Test	Vp=1V,M=30mV/V
·Ground resistance test	0 to 200 Kohm
·Transmitting Time	1,2,4 and 8 sec pulse duration, ON/OFF.
·Digital Display	Two line 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 4x4.
·Memory Capacity	2700 readings, 450 stations (n1 to n6).
·Data Output	serial I/O RS-232 (programmable baud rate), Geosoft compatible output format.
·Temperature Range	Operating:-30°to +50°C,storage -40° to +60°C.
·Power Supply	Four 1.5V D cells.
·Dimensions	31x16x29 cm
·Weight	6.5 kg (14.3lbs)

IP Method

The phenomena of Induced Polarization (IP) was reported as early as 1920 by Schlumberger. The IP survey technique allows a variety of arrays (which all have advantages and disadvantages) and reads two separate elements;(1)The chargeability or IP effect (M) and Apparent Resistivity. The IP technique is useful for detecting sulphide bodies and is also useful as a structural mapping tool. The IP effect is the measurement of the residual voltage in rocks that remains after the interception of a primary voltage. It includes many types of dipolar charge distributions set up by the passage of current through consolidated or unconsolidated rocks. Among the causes are concentration polarization and electrokinetic effects in rocks containing electronic conductors such as metallic sulphides and graphite. The term overvoltage applies to secondary voltages set up by a current in the earth which decays when it is interrupted. These secondary effects are measure by a receiver via potential electrodes. The current flow is actually maintained by charged ions in the solutions. The IP effect is created when this ionic current flow is converted to electronic current flow at the surface of metallic minerals (or some clays, and platy silicates). The IP method is generally used for prospecting low grade (or disseminated) sulphide ores where metallic particles, sulfides in particular, give an anomalous response. Barren rock (with certain exceptions) gives a low response. In practice, IP is measured in one or two ways;(1) In a pure form, a steady current of some seconds (nominally 2 seconds) is passed and abruptly interrupted. The slowly decaying transient voltage existing in the ground are measured after interruption. This is known as the time domain method. The factor Vs/ Vp is the integrated product for a specified time, and several readings are averaged (suppressing noise and coupling effects). The resultant chargeability, M is essentially an unitless value but it is usually represented in mV/V. The second method entails a comparison of the apparent resistivity using sinusoidal alternating currents of 2 frequencies within the normal range of 0.1 to 10.0 cps.. The factor used to represent the IP effect by this frequency domain method is the percent frequency effect (PFE) and is defined by (R1-R2)/R1x100% where R1 and R2 are the apparent resistivities at the low and high frequencies.

Use and Limitations

The effective depth of penetration of any IP survey is a function of the resistivity of the surface layer('s) with respect to the resistivity of the lower layer. All arrays have different effects from this resistivity contrast, some are less affected than others. When the surface layer is 0.01 of the lower layer, the effective penetration is very poor hence the term masking. Masking occurs most often in areas of thick clay cover. The size of the target therefore becomes important when detection is desirous under a conductive surface layer. The frequency domain methods are the most adversely affected by masking as inductive coupling can be much greater than the response.

Standard Definitions of Chargeability

The IP parameter, chargeability (M) varies with time. For practical reasons the entire decay curve is not sampled. Instead the secondary voltage is sampled one or more times at various intervals. Because the secondary voltage is received at extremely low levels in many prospecting situations, measurements of its amplitude at any given time is extremely susceptible to noise. Therefore, the secondary voltage is usually integrated for a period of time called a gate. Thus, if the noise has a zero mean, the integration will tend to cancel the noise. The Newmount M Factor is a standard time domain IP parameter. The gate delay, of 80 mSeconds (used by the TDR-6) was chosen to allow time for normal electromagnetic effects and capacitive coupling effects between the transmitter and receiver to attenuate so that the secondary voltage consists only of the IP decay voltage.

The TDR-6 total integration time of 1580 milliSeconds (gate) is divided into ten individual gates. The time-constant of the IP dispersion curve, Cole-Cole dispersion (W H Pelton, 1977), obtained from the ten individual gates (windows) is directly related to the physical size of the metallic particles. This data is available at the clients request since all of the obtained field data is archived (downloaded) to computer.

Ontario Ministry of Northern Development and Mines

Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use): W9860.00076

Assessment Files Research Imaging

FINAL AMENDED

42A06NW2004 2.18306 OGDEN 900

ubsections 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, this ment work and correspond with the mining land holder. Questions about this collection ment and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Instructions: - For work performed on Crown Lands before recording a claim, use form 0240.
- Please type or print in ink.

1. Recorded holder(s) (Attach a list if necessary)

Name: Canadian Golden Dragon Resources	Client Number: 137526
Address: 201-960 Richards St.	Telephone Number: (604) 681-3154
Vancouver, B.C. V6B 3C1	Fax Number: (604) 689-5930
Name	Client Number
Address	Telephone Number
	Fax Number

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

☑ Geotechnical: prospecting, surveys, assays and work under section 18 (regs)

☐ Physical: drilling stripping, trenching and associated assays

☐ Rehabilitation

Work Type: Linecutting, magnetics, IP surveys		Office Use
		Commodity
		Total $ Value of Work Claimed: ~~$98,235~~ $56317 allowed
Dates Work Performed: From Day 28 Month 08 Year 97 To Day 28 Month 01 Year 98		NTS Reference
Global Positioning System Data (if available)	Township/Area: Ogden Twp	Mining Division: Porcupine
	M or G-Plan Number: G-3979	Resident Geologist District: Timmins

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required;
- provide proper notice to surface rights holders before starting work;
- complete and attach a Statement of Costs, form 0212;
- provide a map showing contiguous mining lands that are linked for assigning work;
- include two copies of your technical report.

3. Person or companies who prepared the technical report (Attach a list if necessary)

Name: Richard Daigle / Rodney Barber	Telephone Number: (705) 235-8661
Address	Fax Number: (705) 235-8038
Name: Geoserve Canada Inc	Telephone Number
Address: P.O. Box 1525 South Porcupine Ont P0N 1H0	Fax Number
Name	Telephone Number
Address	Fax Number

4. Certification by Recorded Holder or Agent

I, RICHARD DAIGLE (Print Name), do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent		Date: Feb 25/98
Agent's Address: P.O. Box 1525 S. Porcupine ON P0N-1H0	Telephone Number: 705-235-8661	Fax Number: 705-235-8038

0241 (03/97)

Deemed April 30/98

RECEIVED
FEB 27 1998 8:30
GEOSCIENCE ASSESSMENT OFFICE

Schedule for Declaration of Assessment Work on Mining Land

Transaction Number (office use): W9860.00076

AMENDED

	Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land	Value of work applied to this claim	Value of work assigned to other mining claims	Bank. Value of work to be distributed at a future date
1	P-1212738	8	3778	2400	1378	
2	P-1212739	1	249	400		
3	P-1228867	9	22694	3600		22694
4	P-1228866	2	5365	800		5365
5	P-1228865	6	6752	2400	4352	
6	P-1189551	8	4334	3200		1134
7	P-1203880	9	6452	3600		2852
8	P-1203850	1	565	400		165
9	P-1201615	6	5266	2400		2866
10	P-1213836	1	639	400		239
11	P-1213598	1	165	400		
12	P-1189545	10	15335	4000	9732	1603
13	P-1181462	1	494	400		94
14	P-1181463	6	5616	2400		3216
15	P-1207390	2	1183	800		383
16	P-1203879	4	124	1600		
17	P-1203600	16	⊖	6400		
18	P-1203839	7	⊖	2800		
19	P-15738	1	597	⊖		597
20	P-15739	1	494	⊖		494
21	P-15740	1	1994	⊖		1994
22	P-15741	1	2305	⊖		2305
23	TRP-1606	1	1430	⊖		1430
24	P-19812	2	4504	⊖		4504
25	P-19873	1	1644	⊖		1644
26	P-18121	1	1956	⊖		1956

PRECISION RECORDING OFFICE - SUDBURY
RECEIVED
APR 1 [illegible]
A.M. 7 8 9 10 11 12 1 2 3 4 5 6 P.M.

RECEIVED
APR 14 1998
GEOSCIENCE ASSESSMENT OFFICE

April 13/98

RICHARD S. DAIGLE

Ontario Ministry of Northern Development and Mines

Statement of Costs for Assessment Credit

Transaction Number (office use)
W9860.00076

Personal information collected on this form is obtained under the authority of subsection 6 (1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, this information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Work Type	Units of work Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
Linecutting	80.675 km	$275/km	$22186
Magnetics survey	80.675 km	$110/km	$8874
IP survey	52.6 km	$1050/km	$55230
Report/Maps		$1500	$1500
		Subtotal	$87790
		GST	$6145
Associated Costs (e.g. supplies, mobilization and demobilization).			
Transportation Costs			
Food and Lodging Costs			
		Total Value of Assessment Work	$93935

Calculations of Filing Discounts:

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK x 0.50 = Total $ value of worked claimed.

Note:
Work older than 5 years is not eligible for credit.
A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:

Richard Daigle (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as Agent (recorded holder, agent, or state company position with signing authority) I am authorized to make this certification.

Signature: [signature] Date: Feb 25/98

RECEIVED
FEB 27 1998 8:30
GEOSCIENCE ASSESSMENT OFFICE

0212 (03/97)

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Ontario

Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (888) 415-9846
Fax: (705) 670-5881

April 28, 1998

CANADIAN GOLDEN DRAGON RESOURCES LTD.
203 - 960 RICHARD STREET
VANCOUVER, BC
V6B-3C1

Dear Sir or Madam:

Submission Number: 2.18306

Subject: Transaction Number(s):		**Status**
	W9860.00076	Approval

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact Lucille Jerome by e-mail at jeromel2@epo.gov.on.ca or by telephone at (705) 670-5858.

Yours sincerely,

ORIGINAL SIGNED BY
Blair Kite
Supervisor, Geoscience Assessment Office
Mining Lands Section

Correspondence ID: 12150
Copy for: Assessment Library

Work Report Assessment Results

Submission Number: 2.18306

Date Correspondence Sent: April 28, 1998 **Assessor:** Lucille Jerome

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9860.00076	1212738	OGDEN	Approval	April 27, 1998

Section:
14 Geophysical IP
14 Geophysical MAG

Assessment work credit has been approved as outlined on the attached Distribution of Assessment Work Credit sheet.

Correspondence to:
Resident Geologist
South Porcupine, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):
Richard Daigle
SOUTH PORCUPINE, ONTARIO, CANADA

CANADIAN GOLDEN DRAGON RESOURCES LTD.
VANCOUVER, BC

Correspondence ID: 12150

Distribution of Assessment Work Credit

The following credit distribution reflects the value of assessment work performed on the mining land(s).

Date: April 28, 1998

Submission Number: 2.18306

Transaction Number: W9860.00076

Claim Number	Value Of Work Performed
1212738	3,778.00
1212739	249.00
1228867	2,269.00
1228866	5,365.00
1228865	6,752.00
1189551	4,334.00
1203880	6,452.00
1203850	565.00
1201615	5,266.00
1213836	639.00
1213598	165.00
1189545	15,335.00
1181462	494.00
1181463	5,616.00
1207390	1,183.00
1203879	124.00
Total: $	58,586.00

Correspondence ID: 12150

MOUNTJOY TWP.

2.18306
MAG. IP.

MAP SYMBOLOGY

- Aerial Cableway
- Boundary
  - International
  - Interprovincial
  - District, Township Indian Reserve
  - Approximate
  - Lot, Concession
  - Approximate
  - Park Boundary
- Bridge
  - Road, Railroad
- Building
- Chimney
- Cliff, Pit, Pile
- Contours
  - Interpolated
  - Approximate
  - Depression
- Control Points
  - Horizontal
  - Vertical
- Culvert
- Falls
  - Double line river
- Fence, Hedge, Wall
- Feature Outline (Construction features, etc.)
- Flooded Land
- Lock
- Marsh or Swamp
- Mast
- Mine Head Frame
- Outcrop
- Pipeline (above ground)
- Railroad
  - Single Track
  - Double Track
  - Abandoned
  - Turntable
- Road
  - Highway, County Township
  - Access (road of doughtful maintenance or significant driveway)
  - Trail, Bush Road (portage, etc.)
- Rapids
  - Double line river with multiple rapids
  - Double line river with multiple rapids
- Reservoir
- River, Stream, Canal
  - Approximate seasonal
  - Direction of flow
- Rock
  - Significant
  - Shoal
- Spot Elevation (lake elevations) -300.0
- Tower
- Transmission Line
  - Poles
  - Pylons
- Tunnel
- Utility Poles
- Wharf, Dock, Pier
- Wooded Area

REFERENCES

L.O. 6613 - BOOMING GROUNDS - COVERS THE WESTERLY HALF OF THE BED OF THE MATTAGAMI RIVER FLOWING THROUGH THE TOWNSHIP FILE: 73543

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. – MINING RIGHTS ONLY
S.R.O. – SURFACE RIGHTS ONLY
M.+ S. – MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File

- ~~S. A FDE APPLICATION UNDER P.L.A. FOR SURFACE RIGHTS~~
- NRW 51/79, 2/11/79 S.R.O.
- ~~BONA FIDE APPLICATION UNDER P.L.A., MAY 9, 1985~~
- ~~BONA FIDE APPLICATION UNDER P.L.A. DATED JUNE 4, 1986~~
- APPLICATION PENDING UNDER PUBLIC LANDS ACT NOTICE RECEIVED 93-MAR-30 (SNOWMOBILE TRAIL)
- AGGREGATE PERMIT
- ~~APPLICATION PENDING UNDER PUBLIC LANDS ACT SER 087958~~
- ~~THIS TWP. IS SUBJECT TO FORESTRY ACTIVITIES IN 92/93. FURTHER INFORMATION AVAILABLE ON FILE.~~
- THIS TWP. SUBJECT RIGHTS TO FOREST ACTIVITY IN 1995/96 FURTHER INFORMATION AVAILABLE ON FILE.

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

42A06NW2004 2.18306 OGDEN 200

BRISTOL TWP.

DELORO TWP.

PRICE TWP.

LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
  - TOWNSHIPS, BASE LINES, ETC.
  - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" , SURFACE RIGHTS ONLY	◒
" , MINING RIGHTS ONLY	◒
LEASE, SURFACE & MINING RIGHTS	■
" , SURFACE RIGHTS ONLY	■
" , MINING RIGHTS ONLY	■
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	OC
RESERVATION	⊗
CANCELLED	⊗
SAND & GRAVEL	⊗

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC. 1.

500 Metres 0 1000 Metres
10 Chains 0 10 20 30 40 50 60 70 Chains
500 Feet 0 1000 2000 3000 4000 5000 Feet

SCALE 1:20 000
GRID ZONE : 17

NOTES

DATE OF ISSUE
MAR 3 1 1998
PROVINCIAL RECORDING OFFICE - SUDBURY

TOWNSHIP
OGDEN

M.N.R. ADMINISTRATIVE DISTRICT
TIMMINS
MINING DIVISION
PORCUPINE
LAND TITLES / REGISTRY DIVISION
COCHRANE

Ontario Ministry of Natural Resources — Land Management Branch

ORIGINAL COMPILATION	JULY 1984	Number G-3979
ACTIVATED JULY 13, 1992 BY D.C. REVISED		
CHECKED BY G.W.		

Waterhen Lake

Mountjoy River

Ogden-1-96 Grid

TL 1400 N
TL 800 N
TL 500 S
TL 1100 S

97-3 BL 0+00
97-2 BL 0+00
97-1 BL 0+00
96BL 400

L 3400 W
L 3200 W
L 3000 W
L 2800 W
L 2600 W
L 2400 W
L 1800 W
L 1600 W
L 1200 W
L 800 W
L 400 W
L 0
L 400 E
L 800 W
L 200 W
L 100 W
L 400 W
L 1000 E
L 1200 E
L 1400 E
L 1600 E
L 1800 E
L 200 E
L 600 E
L 800 E
L 2200 E
L 2400 E
L 2600 E
L 2800 E
L 3000 E

1203839
1213600
1203850
203880
1201615
1213598
1203879
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1181462
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21514
18161
1212738
1212739
480779
24768
24769
1212737
17802
17801
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1213725
17798
480784
480783
480782
480785
480786
480787
HS961
HS805
1201610
480789
480788
HS956
HS957
HS958
480790
480791
HS953
HS954
HS 955

Scale 1: 10 000
200 0 200 400 600 (meters)

ASTRO

PLAN 1

Canadian Golden Dragon Res.

Base Map

Ogden property, Porcupine Mining Division
District of Cochrane, Northeast Ontario

GEOSERVE CANADA INC January 97.

42A/08NW2024 2.18356 OGDEM

210

LEGEND

Total Field Magnetics

58000 nt Base Subtracted from Data

23708 Stations Read @ 12.5m Interval

Data Range; 57741 nt to 60269nt, 58372nt mean.

CONTOURS

10nt from 58000nt to 58400nt

50nt from 57000nt to 61000nt

Base Station Location

▲

Instruments

TerraPlus GSM-19 Magnetometers

ASTRO

Scale 1: 10 000

200 0 200 400 600 (meters)

PLAN 2

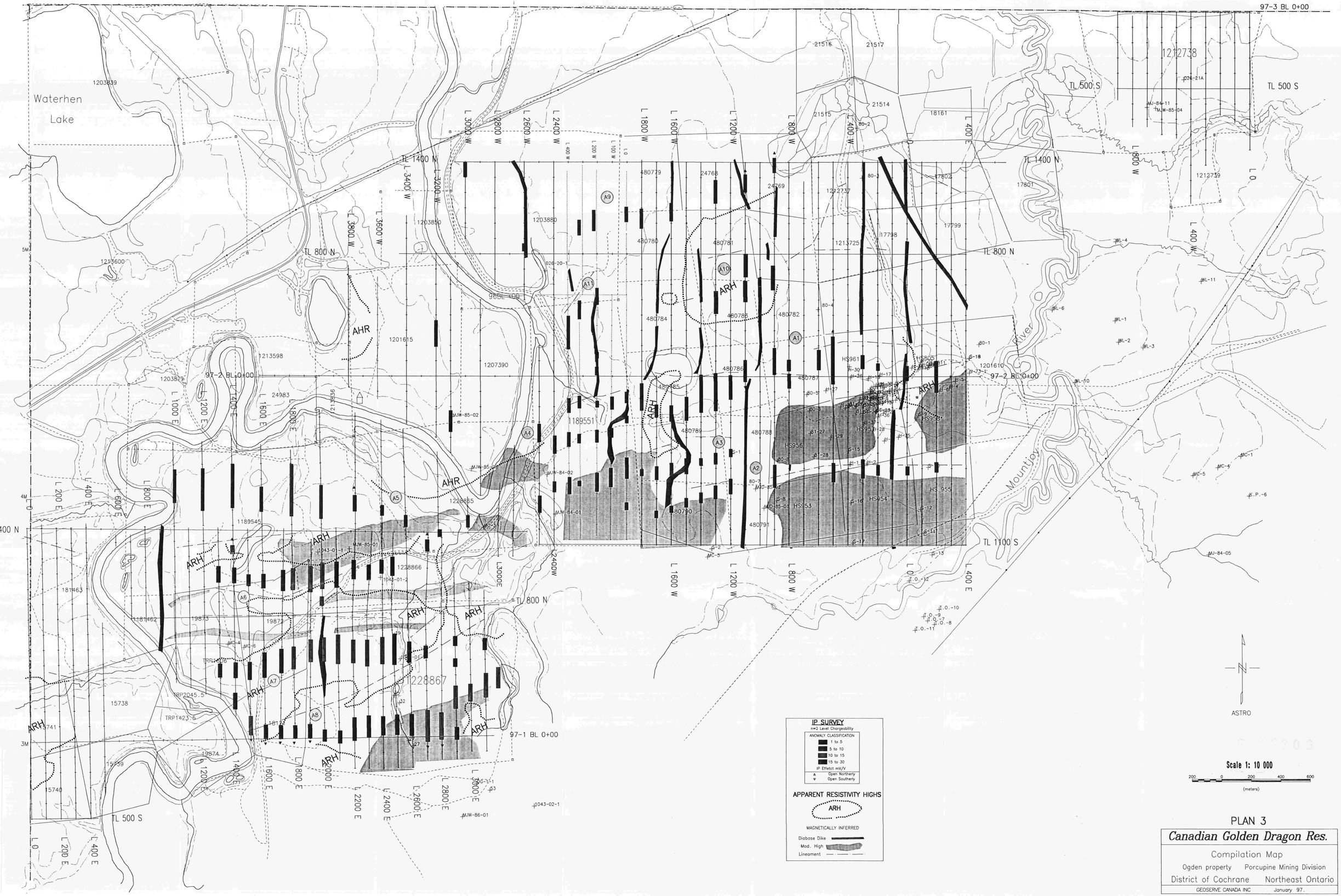
Canadian Golden Dragon Res.

Magnetic Survey

Ogden Property, Porcupine Mining Division

District of Cochrane, Northeast Ontario

GEOSERVE CANADA INC January 97.



IP SURVEY

n=2 Level Chargeability

ANOMALY CLASSIFICATION

- 1 to 5
- 5 to 10
- 10 to 15
- 15 to 30

IP Effect± mV/V

- Open Northerly
- Open Southerly

APPARENT RESISTIVITY HIGHS

ARH

MAGNETICALLY INFERRED

- Diabase Dike
- Mod. High
- Lineament

Scale 1: 10 000

200 0 200 400 600

(meters)

PLAN 3

Canadian Golden Dragon Res.

Compilation Map

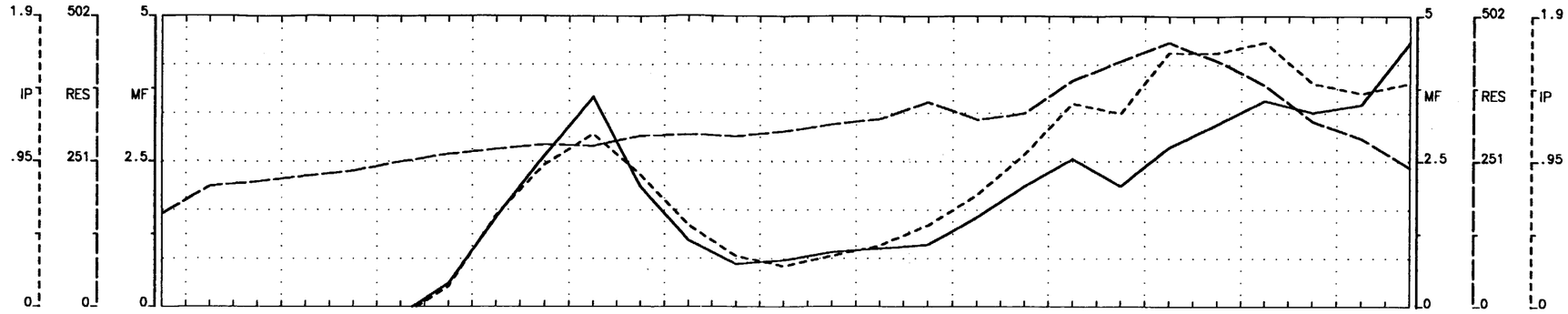
Ogden property — Porcupine Mining Division

District of Cochrane — Northeast Ontario

GEOSERVE CANADA INC — January 97.

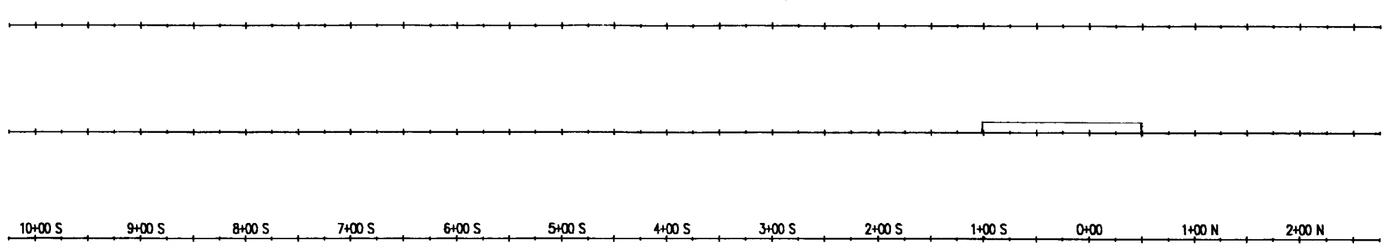
42A06NW2004 2.18306 OGDEN

230

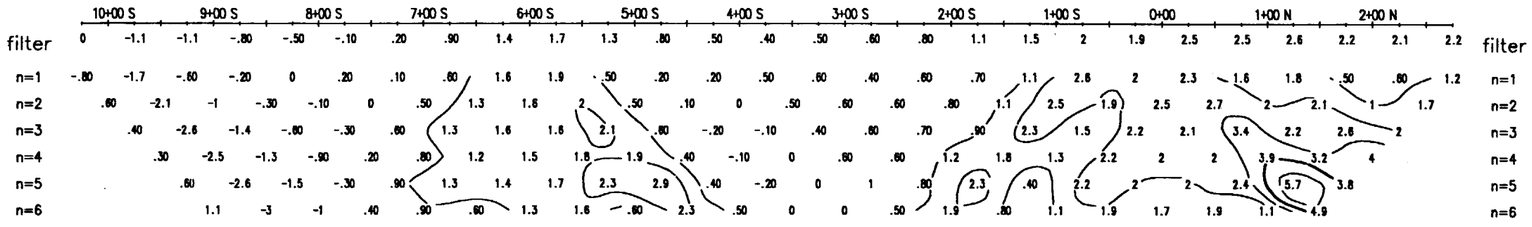


Topo

Interpretation



Chargeability
mV/V



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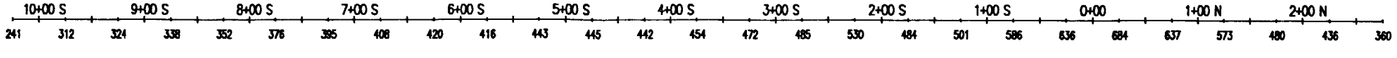


Resistivity
ohm/meters

Topo

Interpretation

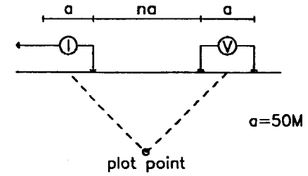
Chargeability
mV/V

Interpretation

Resistivity
ohm/meters

L 2+00E

Pole-Dipole Array



Filter

	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	– – – –
Chargeability ;	1.0 mV/V	- - - - -
Metal Factor ;	1 %	----------

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
1760mSec Total Intergration Time, 80mS Delay.
MT= (80+80+80+80+160+160+160+320+320+320) mSec
Androtex STX-10
8Second Total Duty Cycle, 2Sec On/Off Time.

INTERPRETATION

Low Effect
Poorly Chargeable mV/V, IP effect
Low Apparent Resistivity, rho

Moderately Low Effect

Moderately High Effect

High Effect
Good Chargeability mV/V, IP effect
High Apparent Resistivity, rho

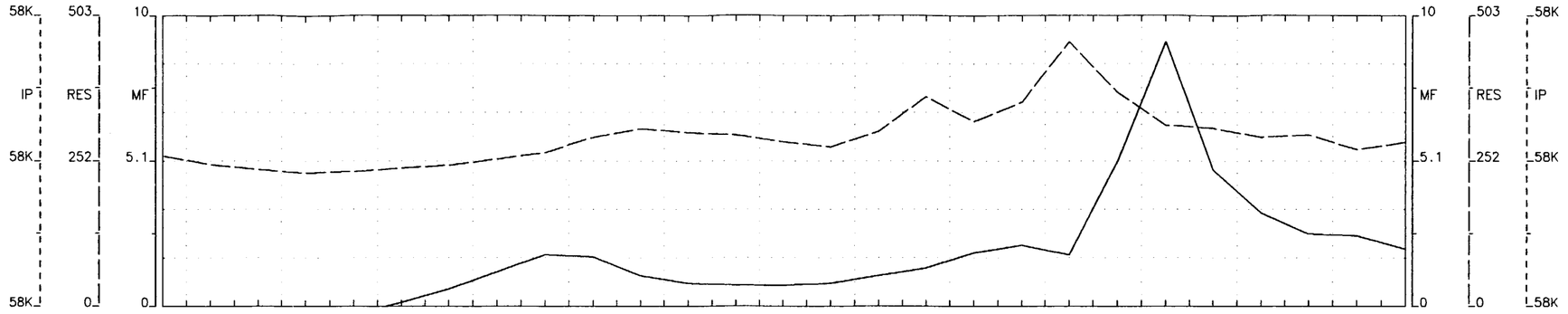
Scale 1:5000

50 0 50 100 150 200 250 300
(meters)

Canadian Golden Dragon Resources

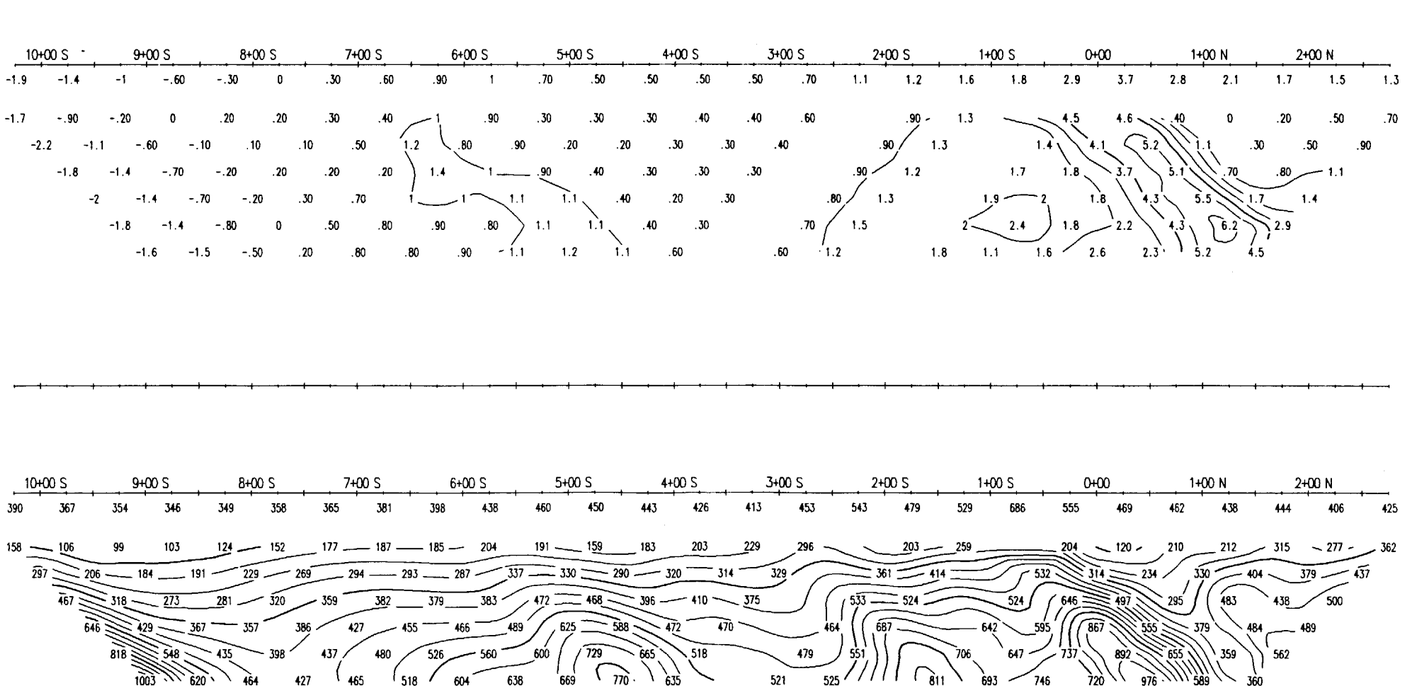
Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

Phase II Summer Grid
GEOSERVE CANADA INC Dec. 1997.



Topo

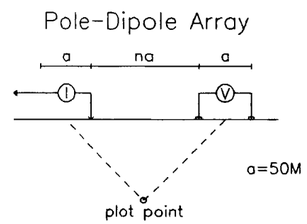
Interpretation



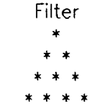
Topo
Interpretation
filter
Chargeability
mV/V
Interpretation
Resistivity
ohm/meters

L 0+00W

Pole-Dipole Array



Filter



	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	-- -- -- --
Chargeability ;	1.0 mV/V	- - - - - -
Metal Factor ;	1 %	----------

INSTRUMENTS

Androtex TDR6, Time Domain Receiver

1760mSec Total Intergration Time, 80mS Delay.

MT= (80+80+80+80+160+160+160+320+320+320) mSec

Androtex STX-10

8Second Total Duty Cycle, 2Sec On/Off Time.

INTERPRETATION

Low Effect
Poorly Chargeable mV/V, IP effect
Low Apparent Resistivity, rho

Moderately Low Effect

Moderately High Effect

High Effect
Good Chargeability mV/V, IP effect
High Apparent Resistivity, rho

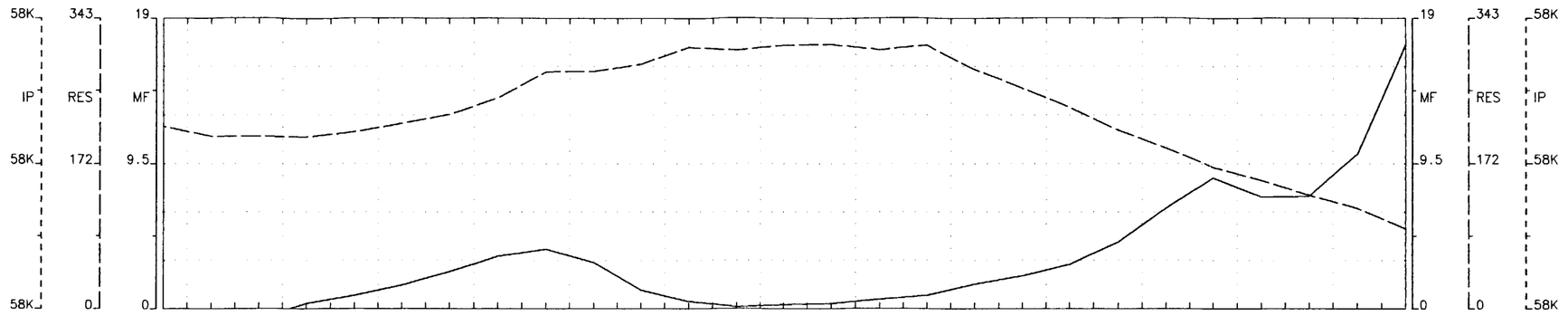
Scale 1:5000

50 0 50 100 150 200 250 300
(meters)

Canadian Golden Dragon Resources

Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

Phase II Summer Grid
GEOSERVE CANADA INC Dec. 1997.



Topo

Interpretation

Topo

Interpretation

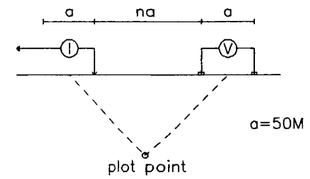
Chargeability
mV/V

Interpretation

Resistivity
ohm/meters

L 2+00W

Pole-Dipole Array



Filter

	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	-- -- -- --
Chargeability ;	1.0 mV/V	- - - - - -
Metal Factor ;	1 %	----------

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
1760mSec Total Intergration Time, 80mS Delay.
MT= (80+80+80+80+160+160+160+320+320+320) mSec
Androtex STX-10
8Second Total Duty Cycle, 2Sec On/Off Time.

INTERPRETATION

- Low Effect
  Poorly Chargeable mV/V, IP effect
  Low Apparent Resistivity, rho
- Moderately Low Effect
- Moderately High Effect
- High Effect
  Good Chargeability mV/V, IP effect
  High Apparent Resistivity, rho

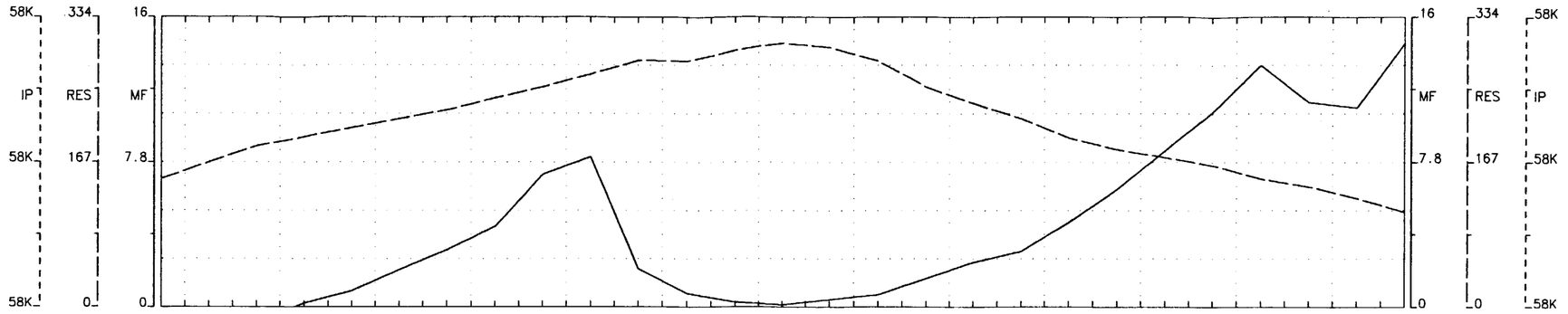
Scale 1:5000

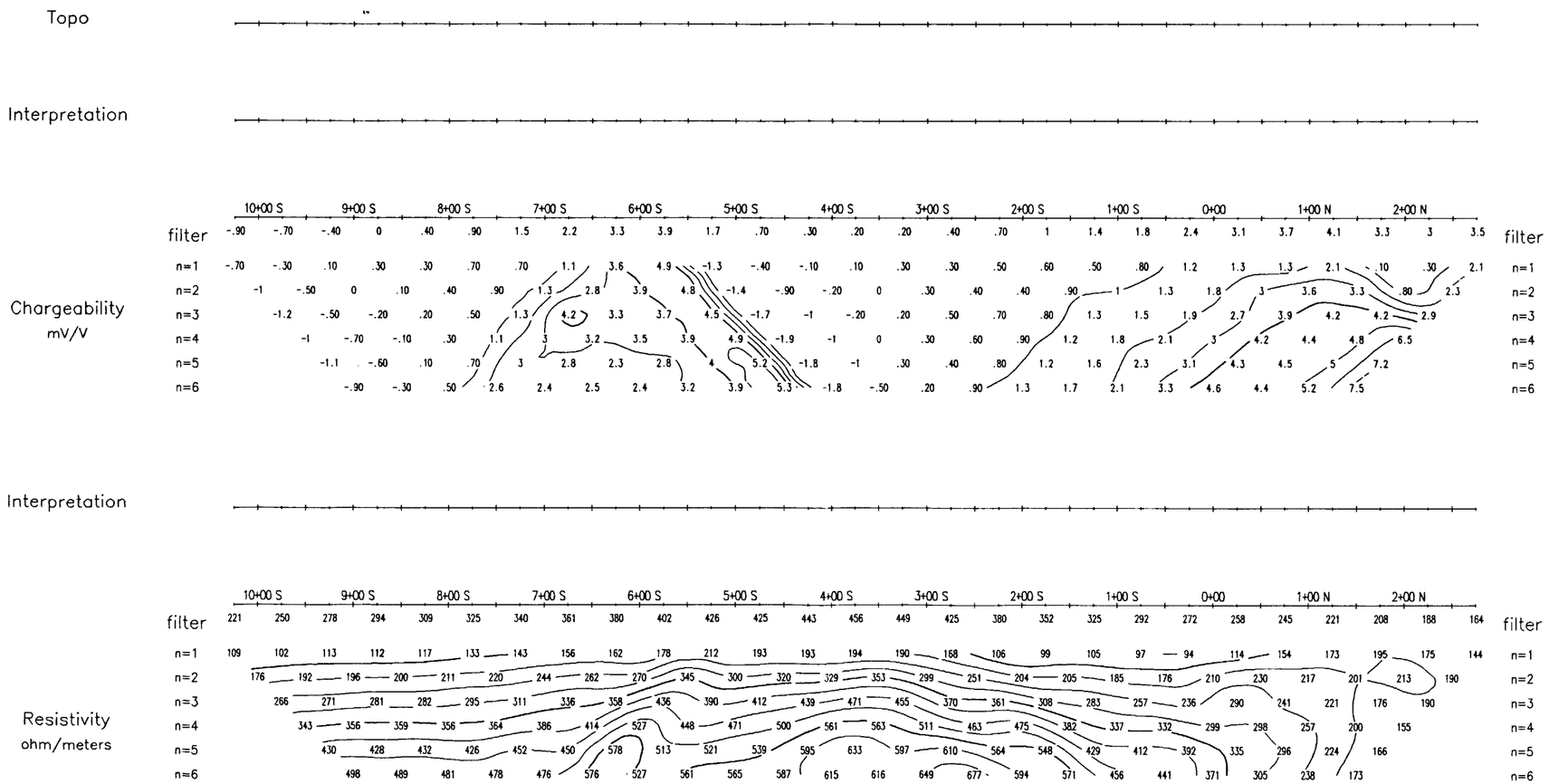
50 0 50 100 150 200 250 300
(meters)

Canadian Golden Dragon Resources

Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

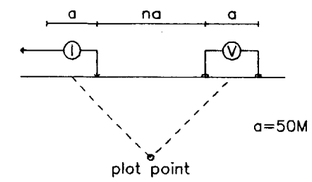
Phase II Summer Grid
GEOSERVE CANADA INC Dec. 1997.





L 3+00W

Pole-Dipole Array



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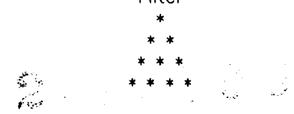


	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	-- -- -- --
Chargeability ;	1.0 mV/V	- - - - - -
Metal Factor ;	1 %	----------

INSTRUMENTS

Androtex TDR6, Time Domain Receiver

1760mSec Total Intergration Time, 80mS Delay.

MT= (80+80+80+80+160+160+160+320+320+320) mSec

Androtex STX-10

8Second Total Duty Cycle, 2Sec On/Off Time.

INTERPRETATION

Low Effect
Poorly Chargeable mV/V, IP effect
Low Apparent Resistivity, rho

Moderately Low Effect

Moderately High Effect

High Effect
Good Chargeability mV/V, IP effect
High Apparent Resistivity, rho

Scale 1:5000

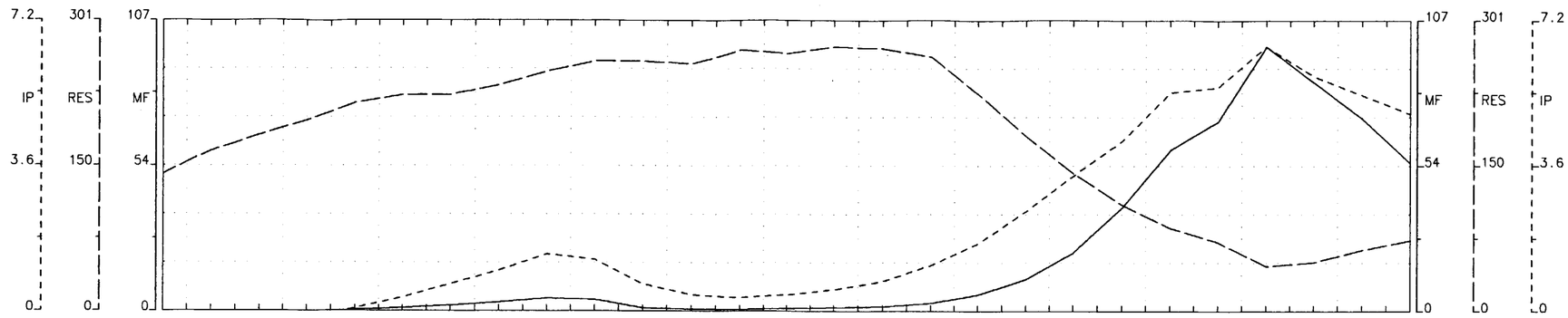
50 0 50 100 150 200 250 300

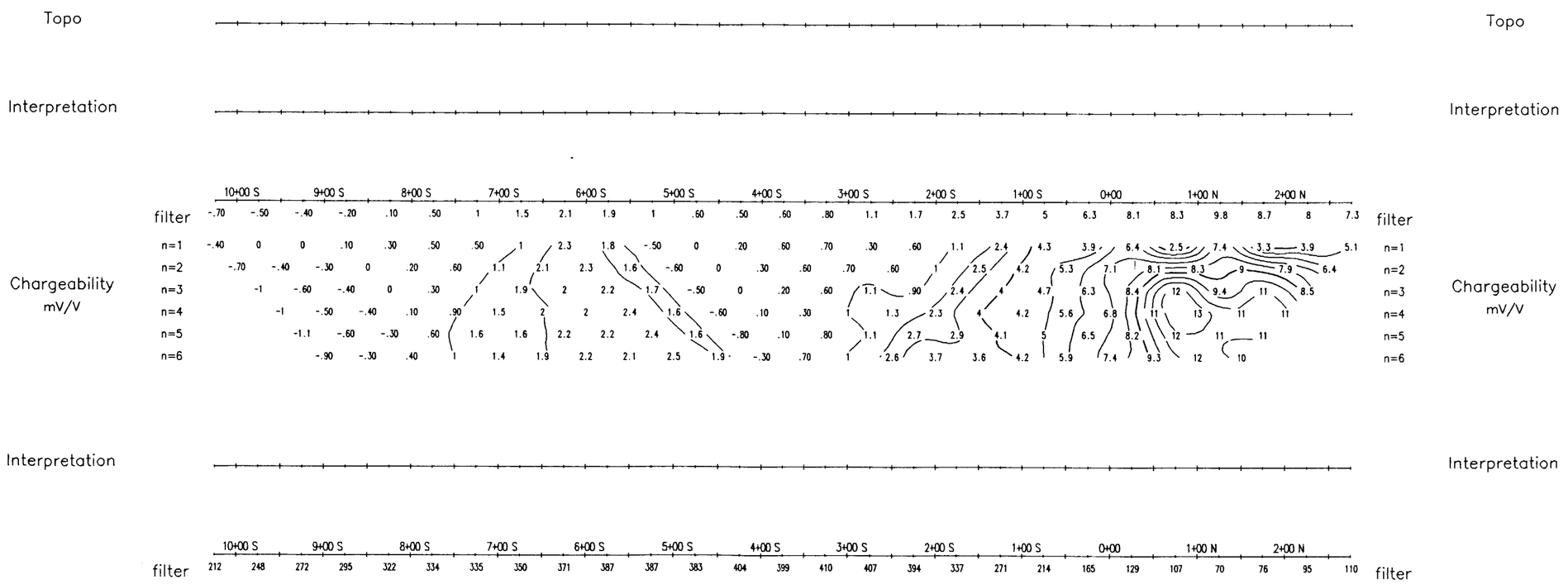
(meters)

Canadian Golden Dragon Resources

Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

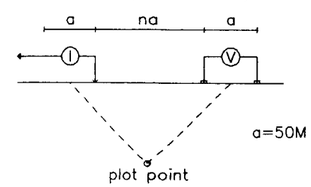
Phase II Summer Grid
GEOSERVE CANADA INC Dec. 1997.





L 5+00W

Pole-Dipole Array



Filter

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	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	-- -- -- --
Chargeability ;	1.0 mV/V	- - - - - -
Metal Factor ;	1 %	----------

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
1760mSec Total Intergration Time, 80mS Delay.
MT= (80+80+80+80+160+160+160+320+320+320) mSec
Androtex STX-10
8Second Total Duty Cycle, 2Sec On/Off Time.

INTERPRETATION

- Low Effect
  Poorly Chargeable mV/V, IP effect
  Low Apparent Resistivity, rho
- Moderately Low Effect
- Moderately High Effect
- High Effect
  Good Chargeability mV/V, IP effect
  High Apparent Resistivity, rho

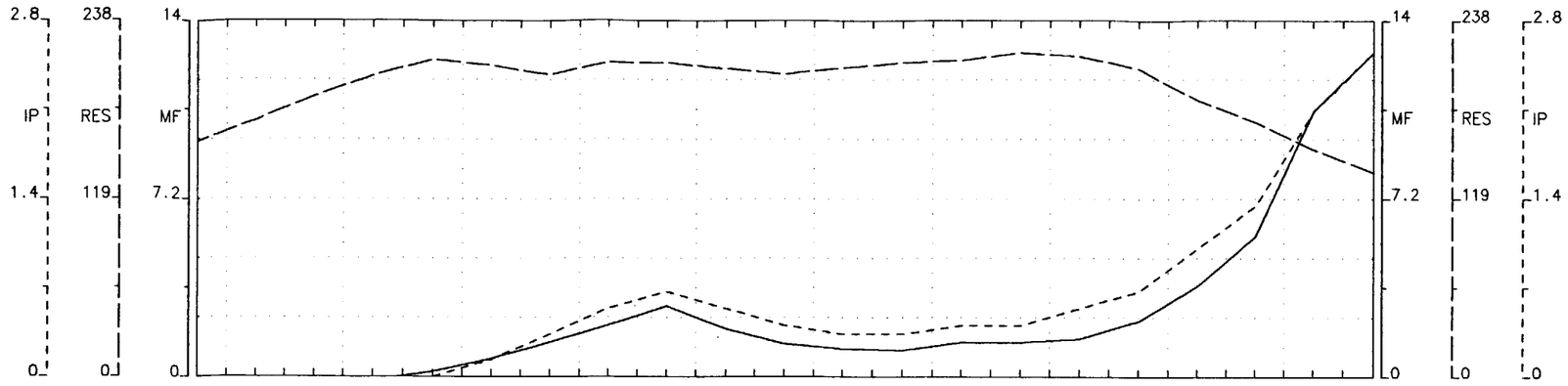
Scale 1:5000

50 0 50 100 150 200 250 300
(meters)

Canadian Golden Dragon Resources

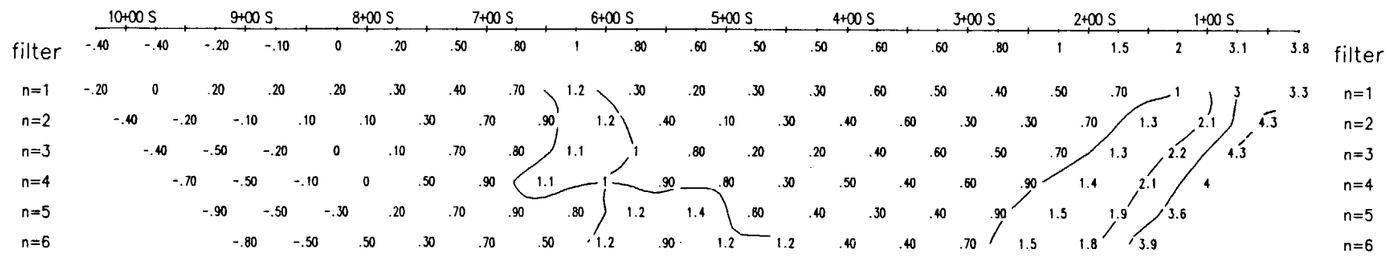
Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

Phase II Summer Grid
GEOSERVE CANADA INC Dec. 1997.

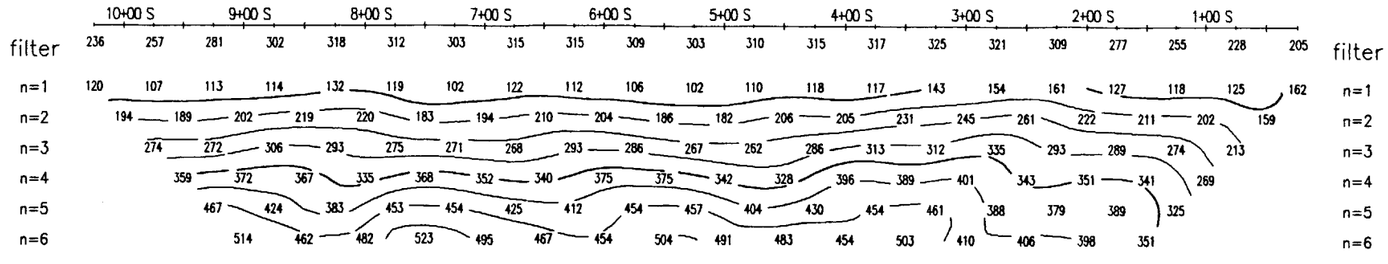


Topo

Interpretation

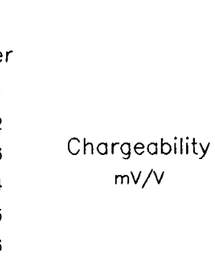


Interpretation

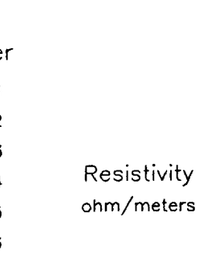


Topo

Interpretation

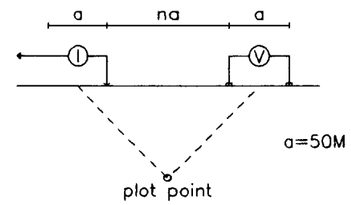


Interpretation



L 7+00W

Pole-Dipole Array



Filter

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	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	-- -- -- --
Chargeability ;	1.0 mV/V	- - - - - -
Metal Factor ;	1 %	----------

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
1760mSec Total Intergration Time, 80mS Delay.
MT= (80+80+80+80+160+160+160+320+320+320) mSec
Androtex STX-10
8Second Total Duty Cycle, 2Sec On/Off Time.

INTERPRETATION

- Low Effect
  Poorly Chargeable mV/V, IP effect
  Low Apparent Resistivity, rho
- Moderately Low Effect
- Moderately High Effect
- High Effect
  Good Chargeability mV/V, IP effect
  High Apparent Resistivity, rho

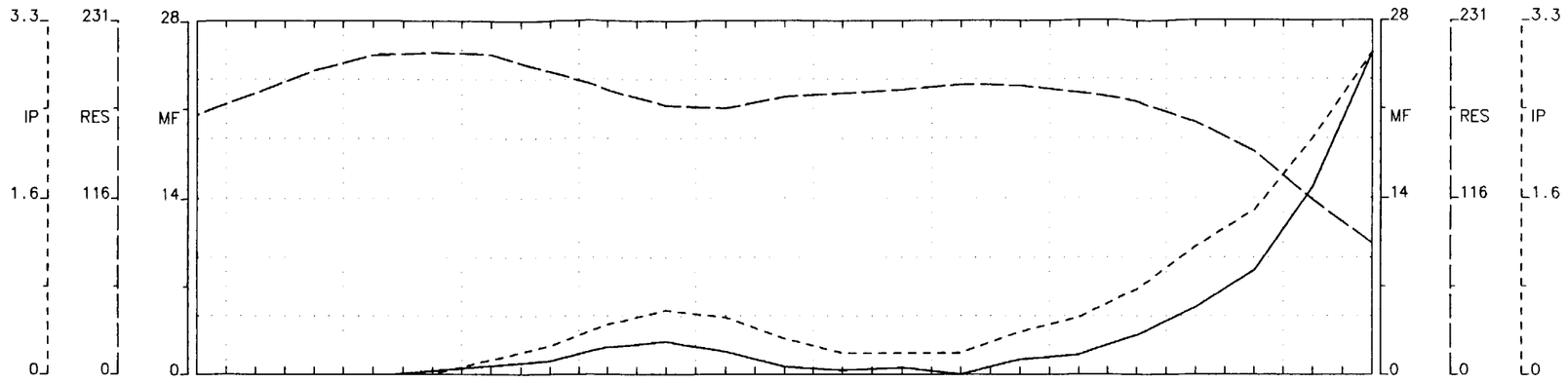
Scale 1:5000

50 0 50 100 150 200 250 300
(meters)

Canadian Golden Dragon Resources

Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

Phase II Summer Grid
GEOSERVE CANADA INC Dec. 1997.

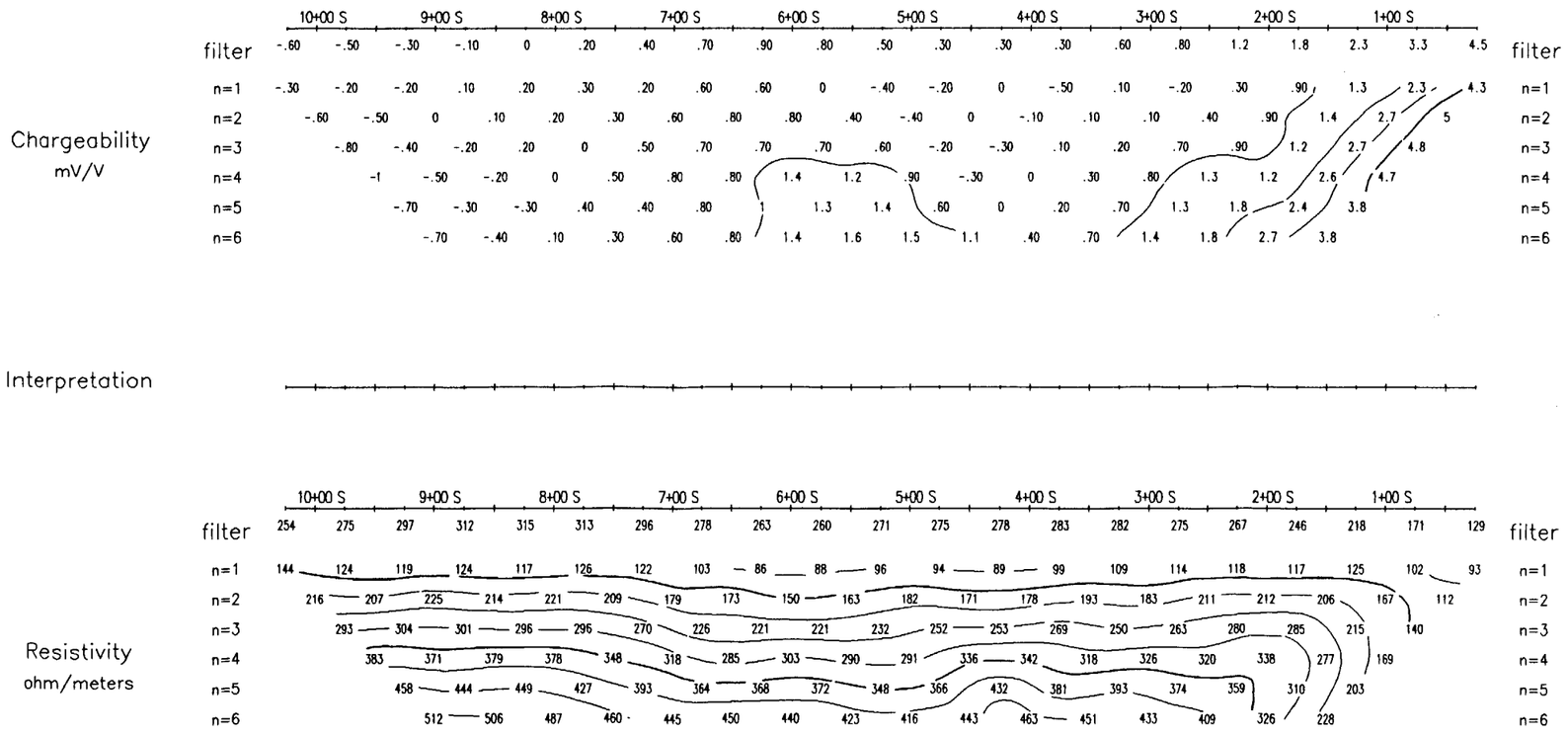


Topo

Interpretation

Topo

Interpretation

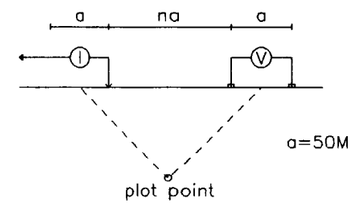


Interpretation

Interpretation

L 8+00W

Pole-Dipole Array



Filter

	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	– – – – – –
Chargeability ;	1.0 mV/V	- - - - - -
Metal Factor ;	1 %	----------

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
1760mSec Total Intergration Time, 80mS Delay.
MT= (80+80+80+80+160+160+160+320+320+320) mSec
Androtex STX-10
8Second Total Duty Cycle, 2Sec On/Off Time.

INTERPRETATION

- Low Effect
  Poorly Chargeable mV/V, IP effect
  Low Apparent Resistivity, rho
- Moderately Low Effect
- Moderately High Effect
- High Effect
  Good Chargeability mV/V, IP effect
  High Apparent Resistivity, rho

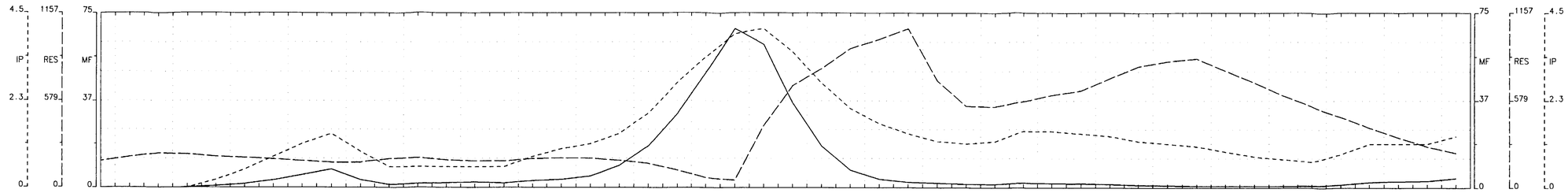
Scale 1:5000

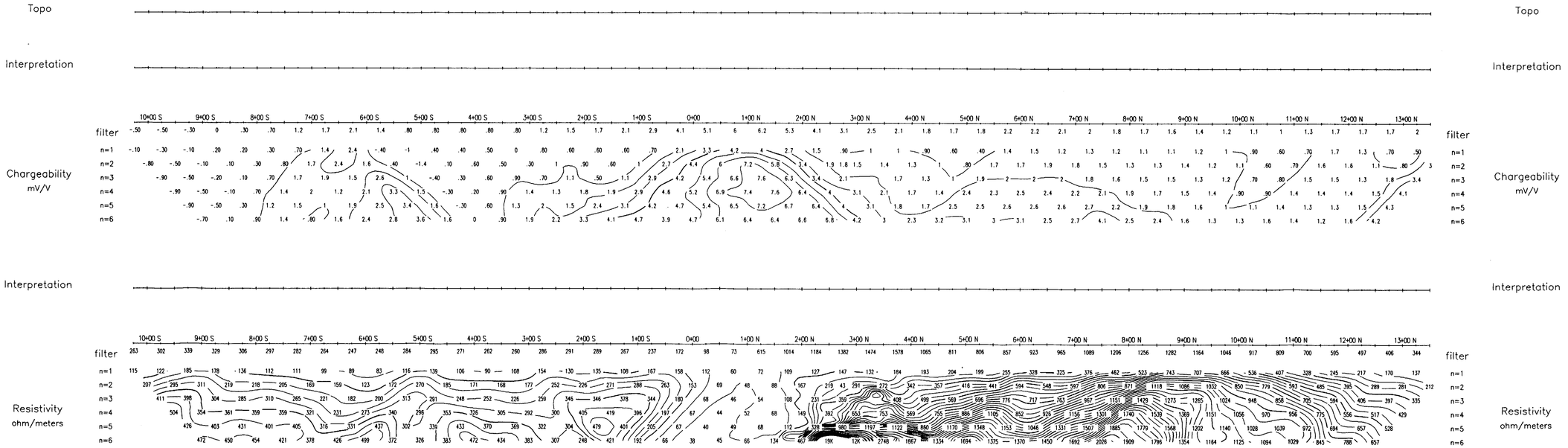
50 0 50 100 150 200 250 300
(meters)

Canadian Golden Dragon Resources

Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

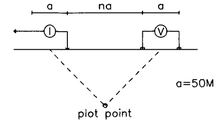
Phase II Summer Grid
GEOSERVE CANADA INC Dec. 1997.





L 9+00W

Pole-Dipole Array



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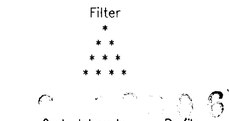


	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	-- -- -- --
Chargeability ;	1.0 mV/V	- - - - - -
Metal Factor ;	1 %	----------

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
1760mSec Total Intergration Time, 80mS Delay.
MT= (80+80+80+80+160+160+160+320+320+320) mSec
Androtex STX-10
8Second Total Duty Cycle, 2Sec On/Off Time.

INTERPRETATION

- Low Effect
  Poorly Chargeable mV/V, IP effect
  Low Apparent Resistivity, rho
- Moderately Low Effect
- Moderately High Effect
- High Effect
  Good Chargeability mV/V, IP effect
  High Apparent Resistivity, rho

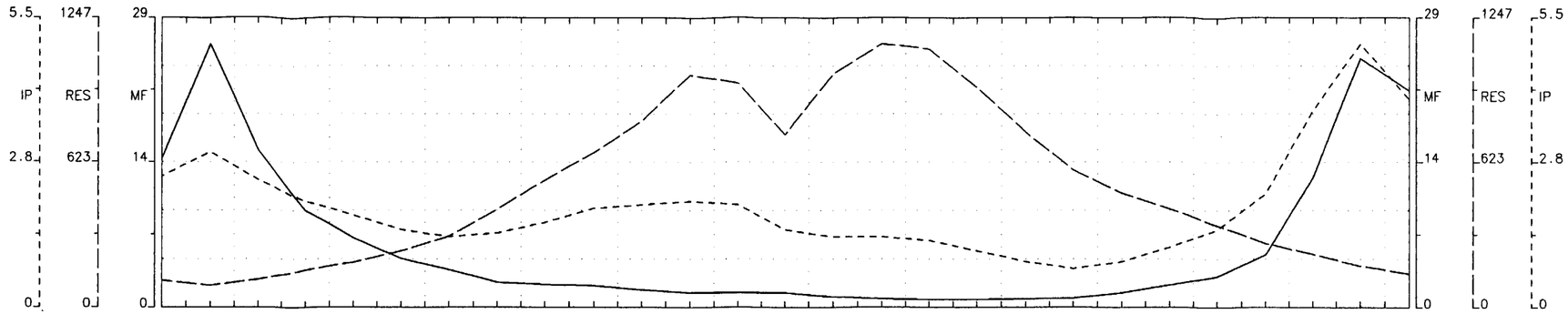
Scale 1:5000

50 0 50 100 150 200 250 300
(meters)

Canadian Golden Dragon Resources

Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

Phase II Summer Grid
GEOSERVE CANADA INC Dec. 1997.

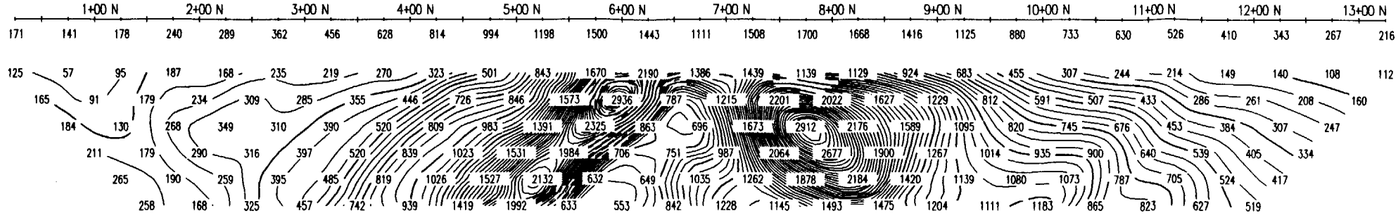


Topo

Interpretation

Chargeability
mV/V

Interpretation



Resistivity
ohm/meters

Topo

Interpretation

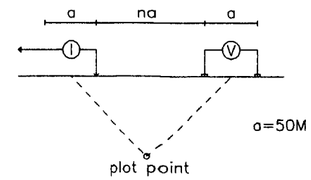
Chargeability
mV/V

Interpretation

Resistivity
ohm/meters

L 11+00W

Pole-Dipole Array



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Cont. Intervals | Profiles

Resistivity ; 50 ohm/meter

Chargeability ; 1.0 mV/V

Metal Factor ; 1 %

INSTRUMENTS

Androtex TDR6, Time Domain Receiver

1760mSec Total Intergration Time, 80mS Delay.

MT= (80+80+80+80+160+160+160+320+320+320) mSec

Androtex STX-10

8Second Total Duty Cycle, 2Sec On/Off Time.

INTERPRETATION

Low Effect
Poorly Chargeable mV/V, IP effect
Low Apparent Resistivity, rho

Moderately Low Effect

Moderately High Effect

High Effect
Good Chargeability mV/V, IP effect
High Apparent Resistivity, rho

Scale 1:5000

50 0 50 100 150 200 250 300

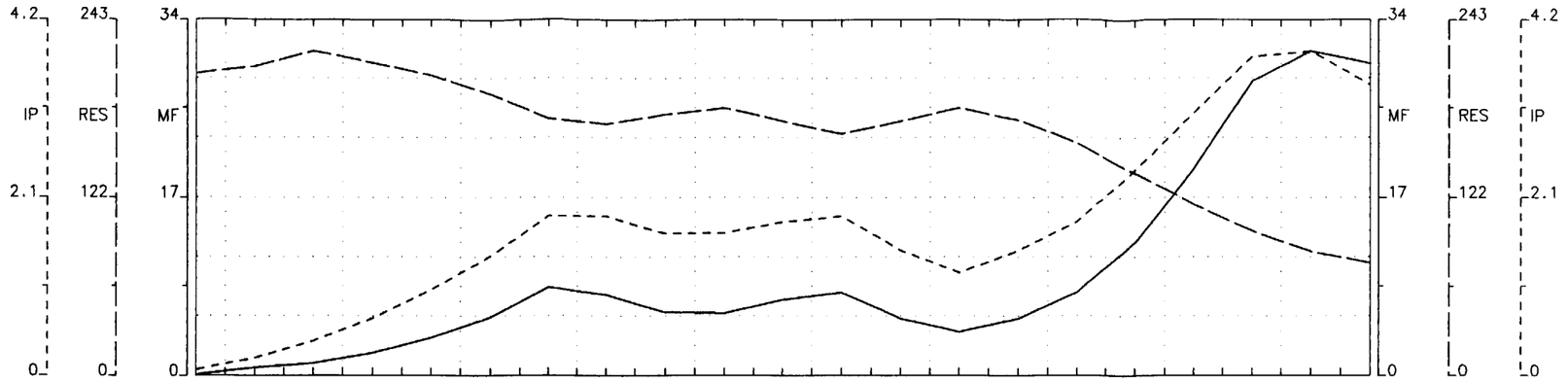
(meters)

Canadian Golden Dragon Resources

Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

Phase II Summer Grid

GEOSERVE CANADA INC Dec. 1997.

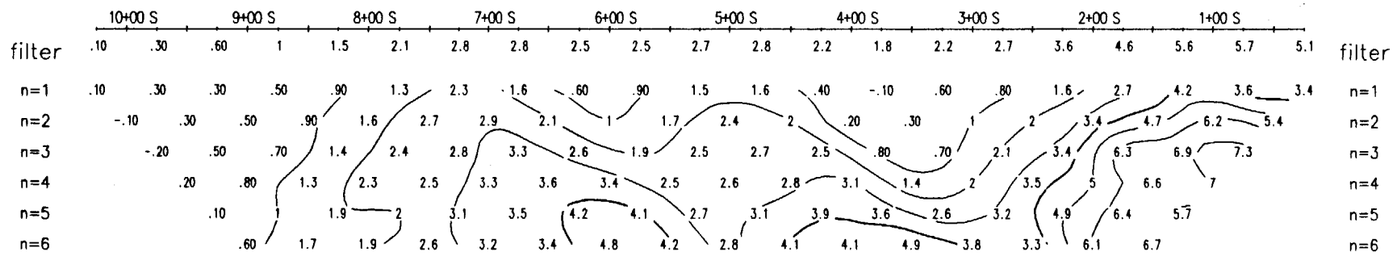


Topo

Interpretation

Topo

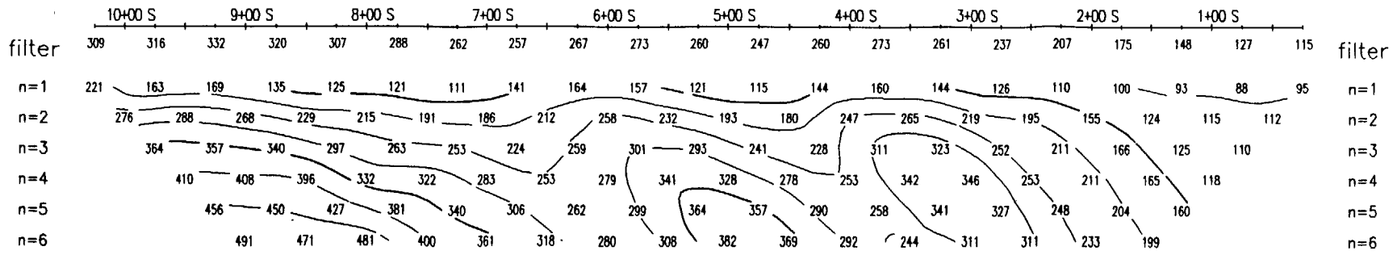
Interpretation



Chargeability
mV/V

Interpretation

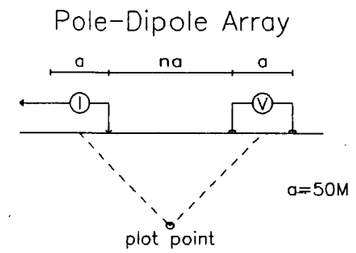
Interpretation



Resistivity
ohm/meters

L 12+00W

Pole-Dipole Array



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	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	-- -- -- --
Chargeability ;	1.0 mV/V	- - - - - -
Metal Factor ;	1 %	----------

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
1760mSec Total Intergration Time, 80mS Delay.
MT= (80+80+80+80+160+160+160+320+320+320) mSec
Androtex STX-10
8Second Total Duty Cycle, 2Sec On/Off Time.

INTERPRETATION

Low Effect
Poorly Chargeable mV/V, IP effect
Low Apparent Resistivity, rho

Moderately Low Effect

Moderately High Effect

High Effect
Good Chargeability mV/V, IP effect
High Apparent Resistivity, rho

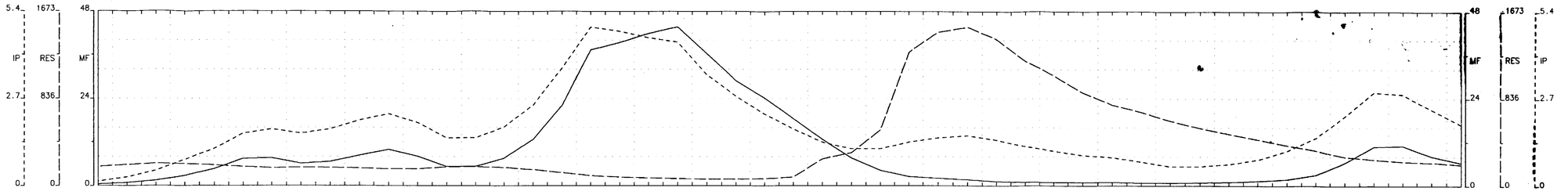
Scale 1:5000

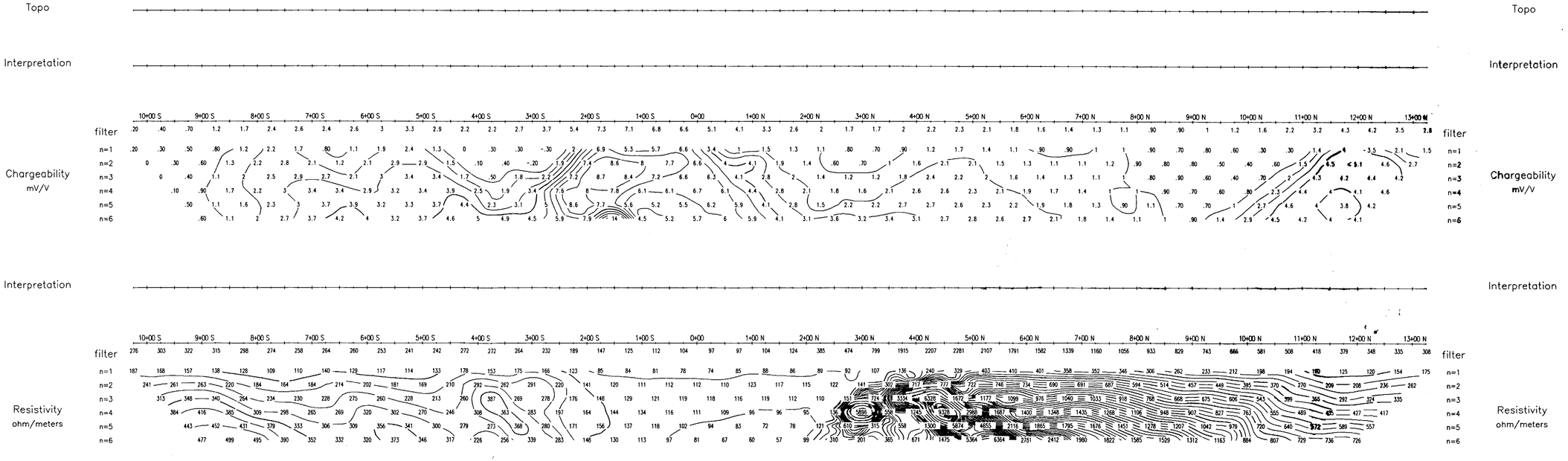
50 0 50 100 150 200 250 300
(meters)

Canadian Golden Dragon Resources

Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

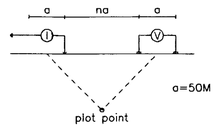
Phase II Summer Grid
GEOSERVE CANADA INC Dec. 1997.





L 13+00W

Pole-Dipole Array



Filter

	Cont. Intervals	Profiles
Resistivity	50 ohm/meter	– – – –
Chargeability	1.0 mV/V	– – – –
Metal Factor	1 %	----------

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
1760mSec Total Intergration Time, 80mS Delay.
MT= (80+80+80+80+160+160+160+320+320+320) mSec
Androtex STX-10
8Second Total Duty Cycle, 2Sec On/Off Time.

INTERPRETATION

- Low Effect
  Poorly Chargeable mV/V, IP effect
  Low Apparent Resistivity, rho
- Moderately Low Effect
- Moderately High Effect
- High Effect
  Good Chargeability mV/V, IP effect
  High Apparent Resistivity, rho

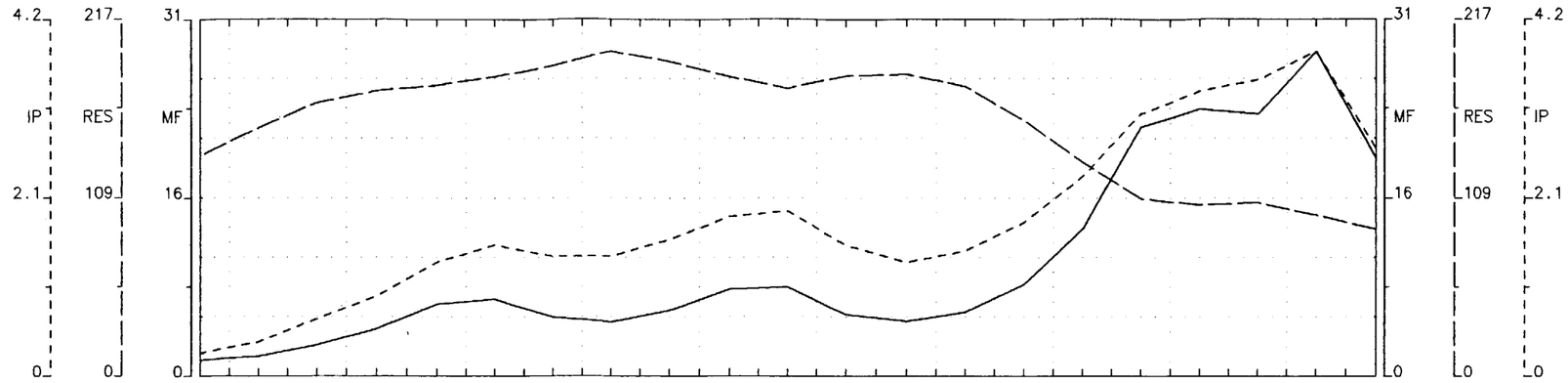
Scale 1:5000

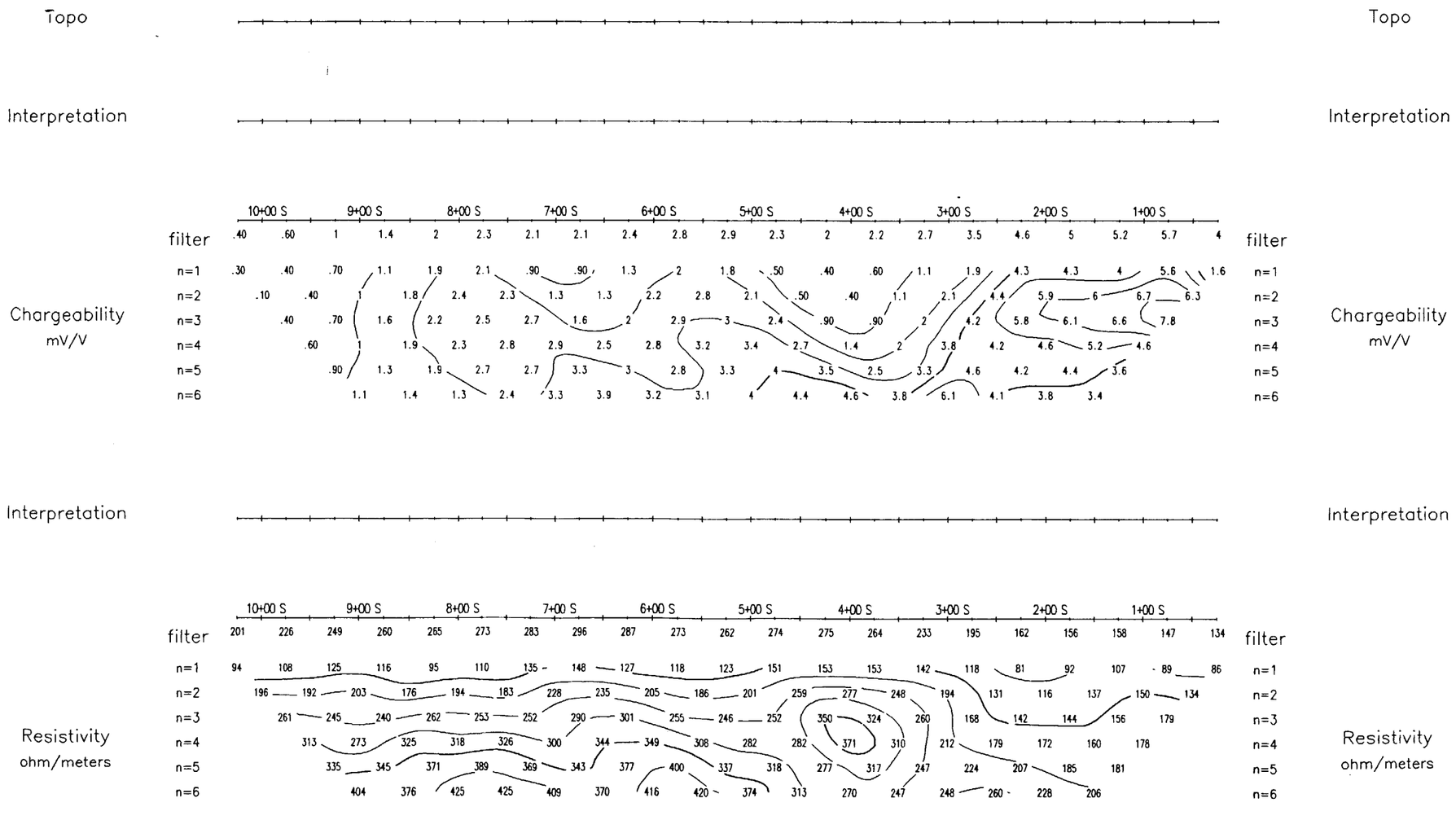
50 0 50 100 150 200 250 300
(meters)

Canadian Golden Dragon Resources

Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

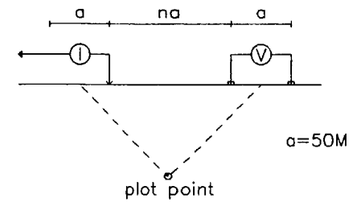
Phase II Summer Grid
GEOSERVE CANADA INC Dec. 1997.





L 14+00W

Pole-Dipole Array



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	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	-- -- -- --
Chargeability ;	1.0 mV/V	- - - - - -
Metal Factor ;	1 %	----------

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
1760mSec Total Intergration Time, 80mS Delay.
MT= (80+80+80+80+160+160+160+320+320+320) mSec
Androtex STX-10
8Second Total Duty Cycle, 2Sec On/Off Time.

INTERPRETATION

- Low Effect
  Poorly Chargeable mV/V, IP effect
  Low Apparent Resistivity, rho
- Moderately Low Effect
- Moderately High Effect
- High Effect
  Good Chargeability mV/V, IP effect
  High Apparent Resistivity, rho

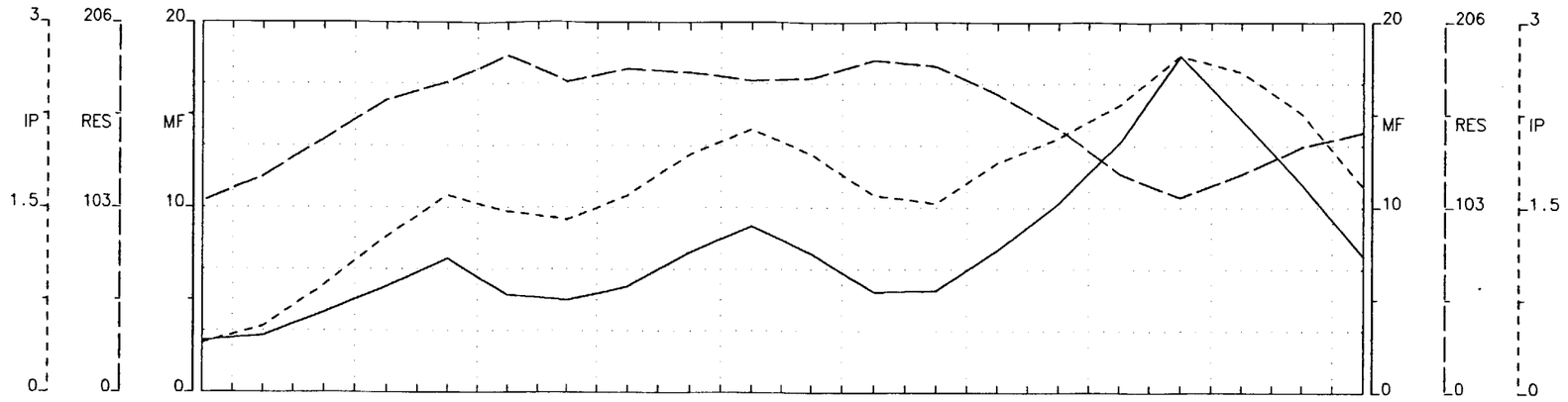
Scale 1:5000

50 0 50 100 150 200 250 300
(meters)

Canadian Golden Dragon Resources

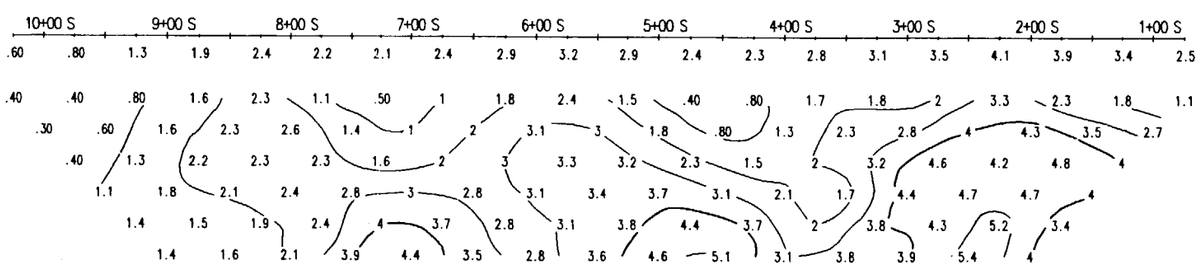
Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

Phase II Summer Grid
GEOSERVE CANADA INC Dec. 1997.

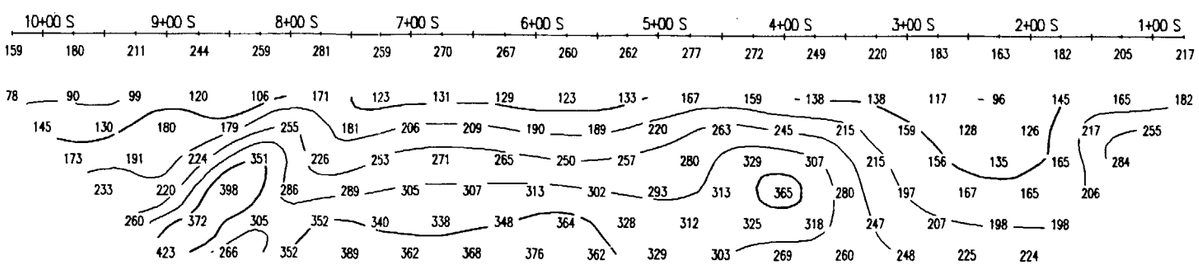


Topo

Interpretation



Interpretation



Topo

Interpretation

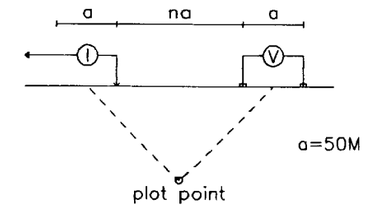
Chargeability
mV/V

Interpretation

Resistivity
ohm/meters

L 15+00W

Pole-Dipole Array



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	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	-- -- -- --
Chargeability ;	1.0 mV/V	- - - - - -
Metal Factor ;	1 %	----------

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
1760mSec Total Intergration Time, 80mS Delay.
MT= (80+80+80+80+160+160+160+320+320+320) mSec
Androtex STX-10
8Second Total Duty Cycle, 2Sec On/Off Time.

INTERPRETATION

- Low Effect
  Poorly Chargeable mV/V, IP effect
  Low Apparent Resistivity, rho
- Moderately Low Effect
- Moderately High Effect
- High Effect
  Good Chargeability mV/V, IP effect
  High Apparent Resistivity, rho

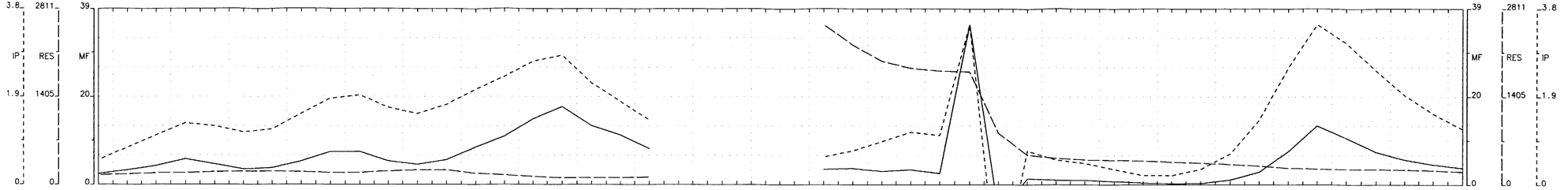
Scale 1:5000

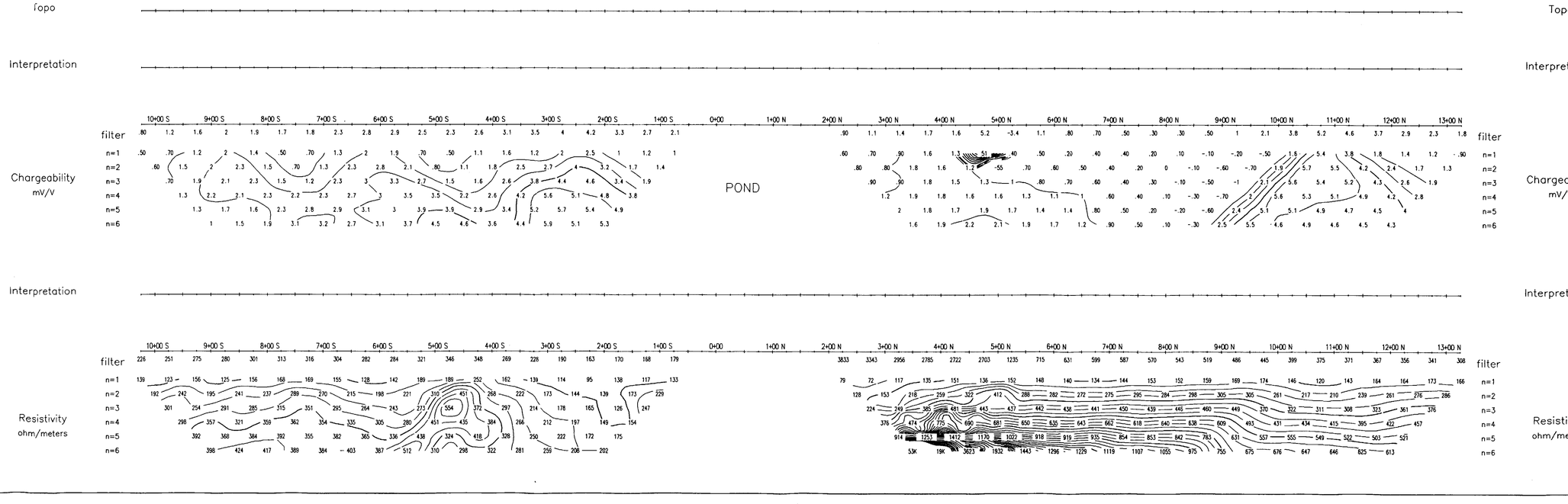
50 0 50 100 150 200 250 300
(meters)

Canadian Golden Dragon Resources

Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

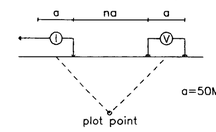
Phase II Summer Grid
GEOSERVE CANADA INC Dec. 1997.





L 16+00W

Pole-Dipole Array



Filter

	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	– – – – –
Chargeability ;	1.0 mV/V	– – – – –
Metal Factor ;	1 %	----------

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
1760mSec Total Intergration Time, 80mS Delay.
MT= (80+80+80+80+160+160+160+320+320+320) mSec
Androtex STX-10
8Second Total Duty Cycle, 2Sec On/Off Time.

INTERPRETATION

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  Low Apparent Resistivity, rho
- Moderately Low Effect
- Moderately High Effect
- High Effect
  Good Chargeability mV/V, IP effect
  High Apparent Resistivity, rho

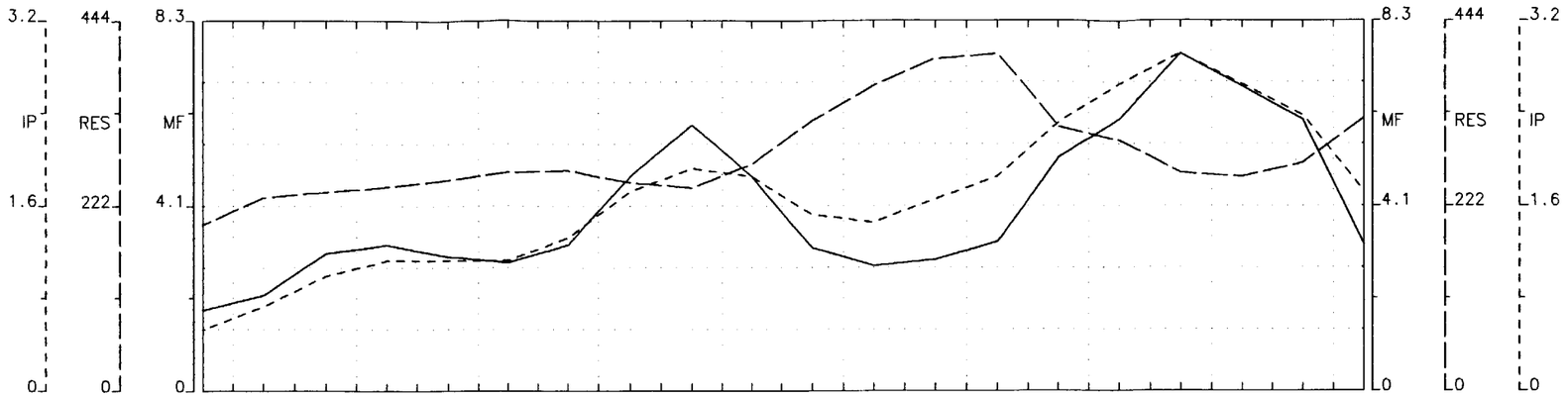
Scale 1:5000

50 0 50 100 150 200 250 300
(meters)

Canadian Golden Dragon Resources

Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

Phase II Summer Grid
GEOSERVE CANADA INC Dec. 1997.

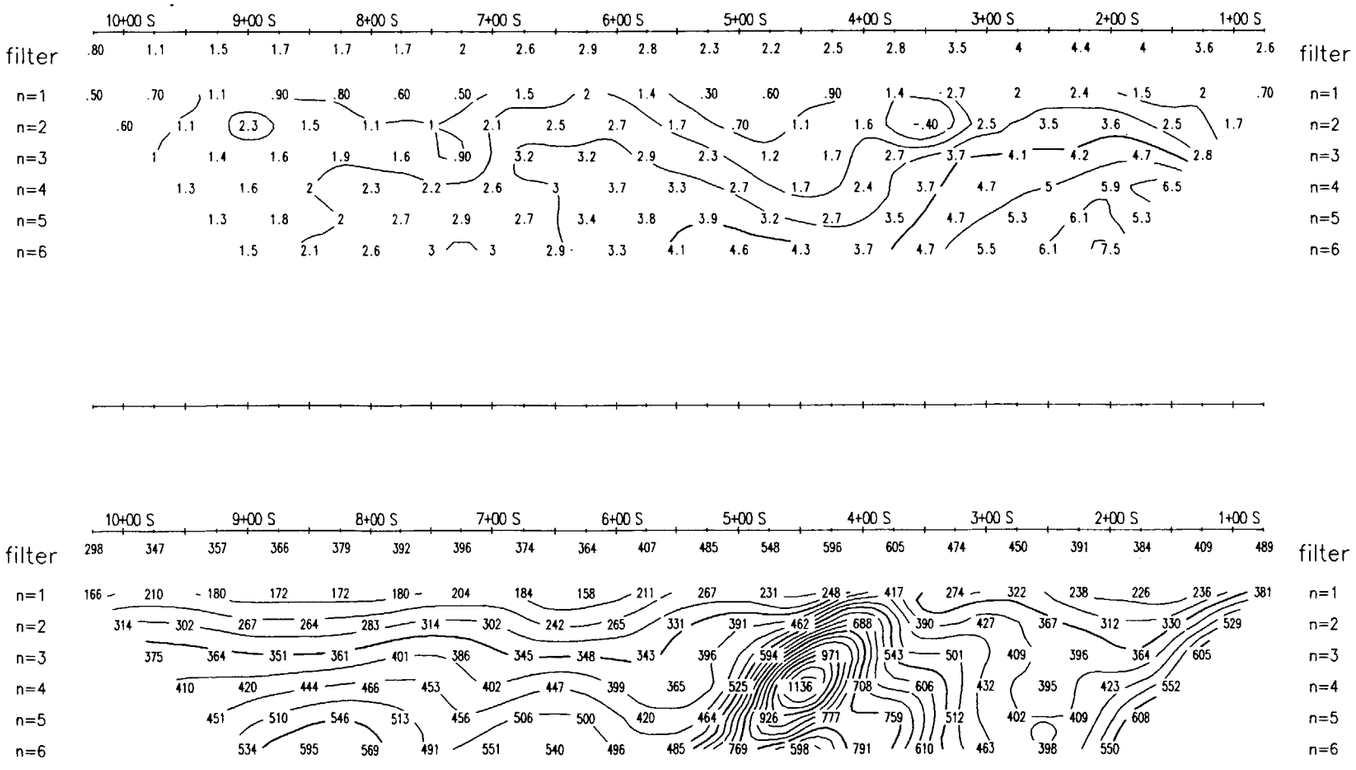


Topo

Topo

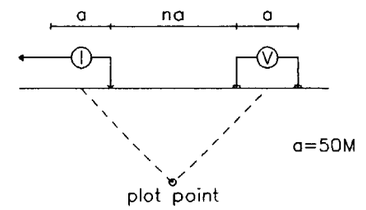
Interpretation

Interpretation



L 17+00W

Pole-Dipole Array



Filter

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	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	-- -- -- --
Chargeability ;	1.0 mV/V	- - - - - -
Metal Factor ;	1 %	----------

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
1760mSec Total Intergration Time, 80mS Delay.
MT= (80+80+80+80+160+160+160+320+320+320) mSec
Androtex STX-10
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- High Effect
  Good Chargeability mV/V, IP effect
  High Apparent Resistivity, rho

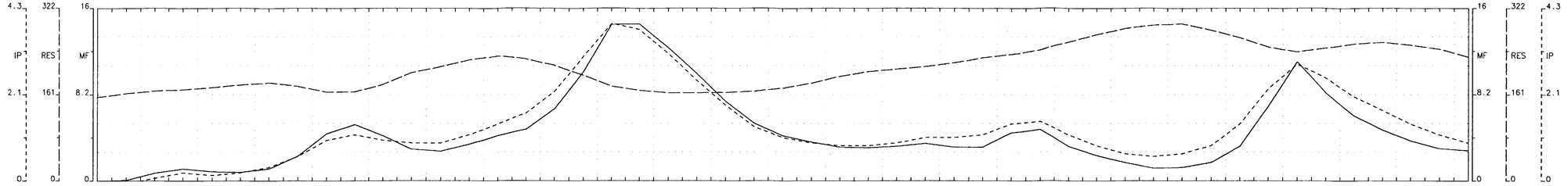
Scale 1:5000

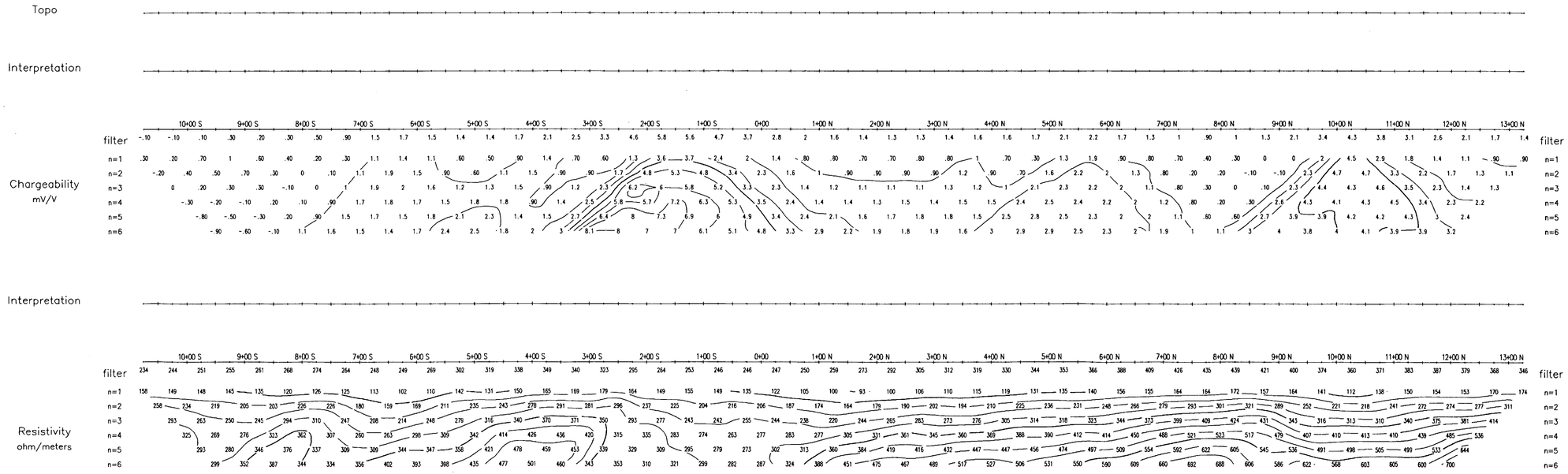
50 0 50 100 150 200 250 300
(meters)

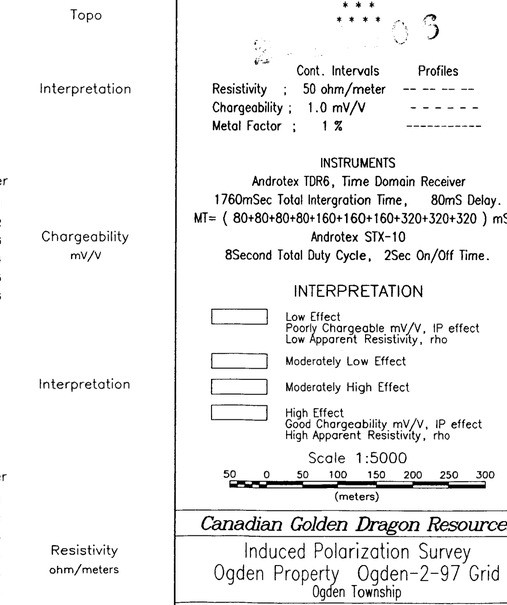
Canadian Golden Dragon Resources

Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

Phase II Summer Grid
GEOSERVE CANADA INC Dec. 1997.

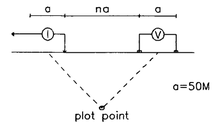






L 18+00W

Pole-Dipole Array



Filter

	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	-- -- -- --
Chargeability ;	1.0 mV/V	- - - - - -
Metal Factor ;	1 %	----------

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
1760mSec Total Intergration Time, 80mS Delay.
MT= (80+80+80+80+160+160+160+320+320+320) mSec
Androtex STX-10
8Second Total Duty Cycle, 2Sec On/Off Time.

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  Poorly Chargeable mV/V, IP effect
  Low Apparent Resistivity, rho
- Moderately Low Effect
- Moderately High Effect
- High Effect
  Good Chargeability mV/V, IP effect
  High Apparent Resistivity, rho

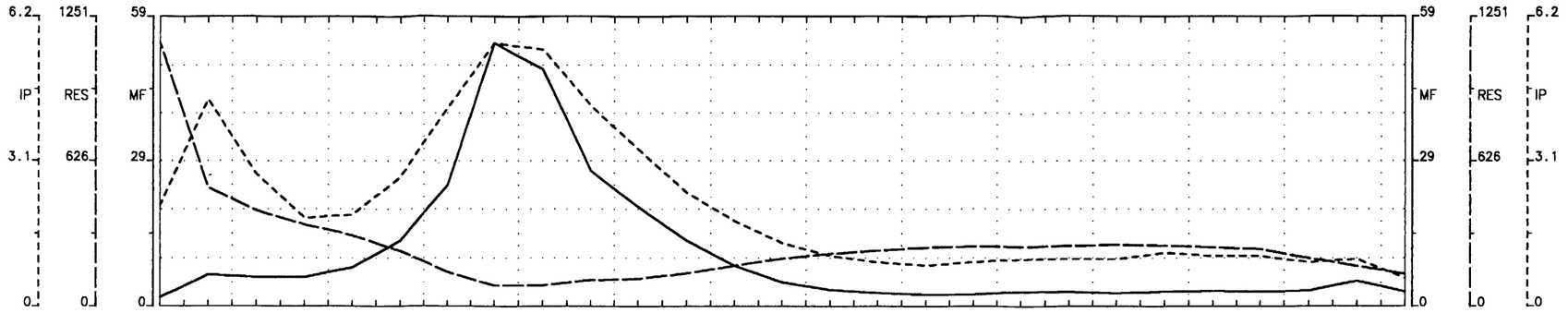
Scale 1:5000

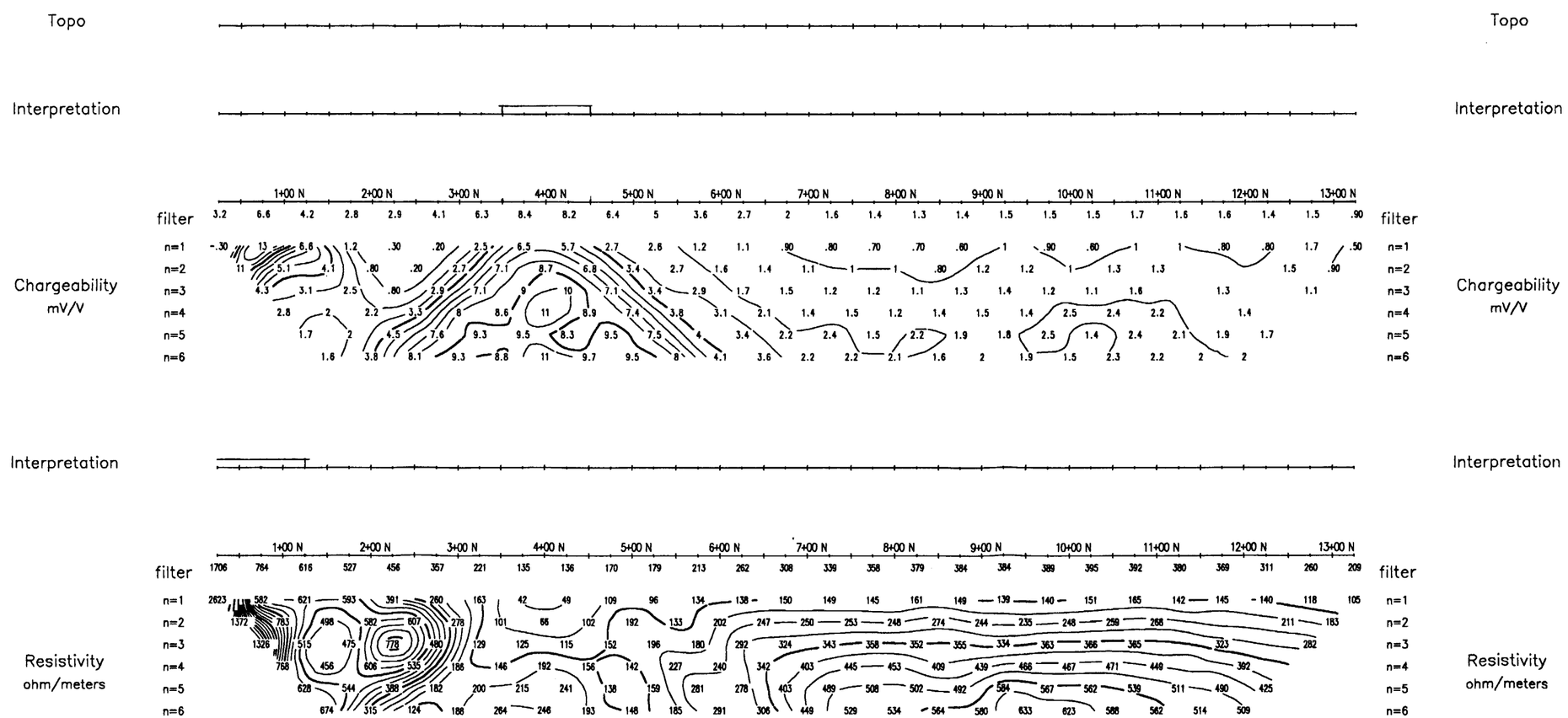
50 0 50 100 150 200 250 300
(meters)

Canadian Golden Dragon Resources

Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

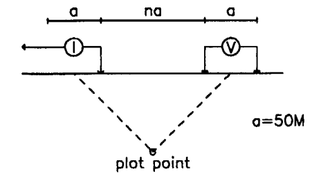
Phase II Summer Grid
GEOSERVE CANADA INC Dec. 1997.





L 2+00E

Pole-Dipole Array



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	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	– – – – –
Chargeability ;	1.0 mV/V	– – – – –
Metal Factor ;	1 %	————

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
1760mSec Total Intergration Time, 80mS Delay.
MT= (80+80+80+80+160+160+160+320+320+320) mSec
Androtex STX-10
8Second Total Duty Cycle, 2Sec On/Off Time.

INTERPRETATION

- Low Effect
  Poorly Chargeable mV/V, IP effect
  Low Apparent Resistivity, rho
- Moderately Low Effect
- Moderately High Effect
- High Effect
  Good Chargeability mV/V, IP effect
  High Apparent Resistivity, rho

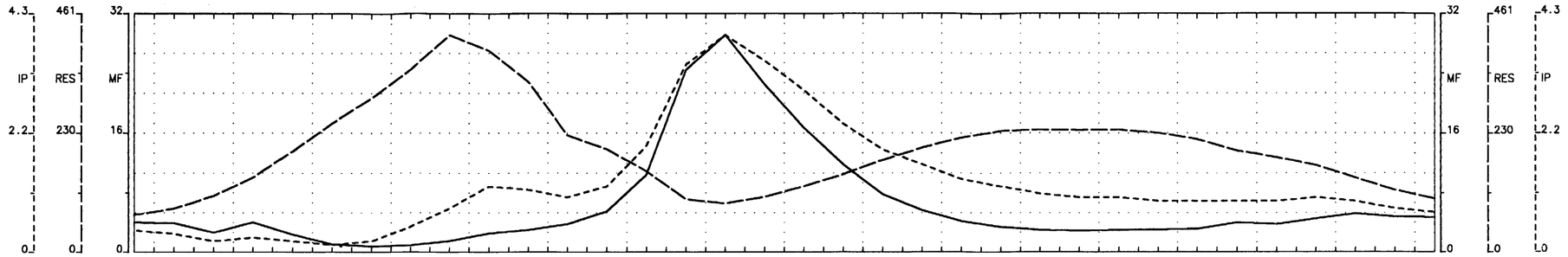
Scale 1:5000

50 0 50 100 150 200 250 300
(meters)

Canadian Golden Dragon Resources

Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

Phase III Fall Grid
GEOSERVE CANADA INC Dec. 1997.



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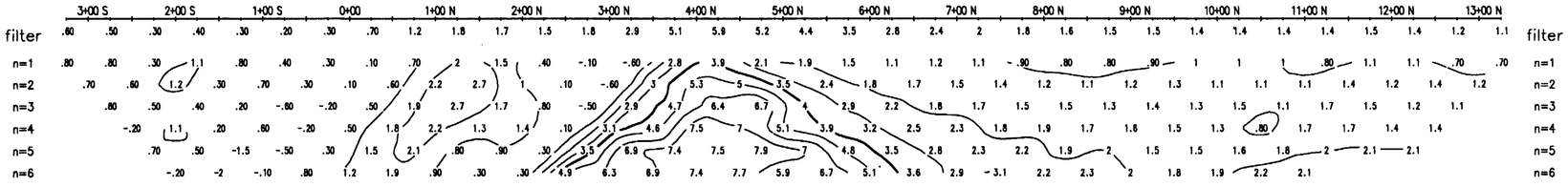
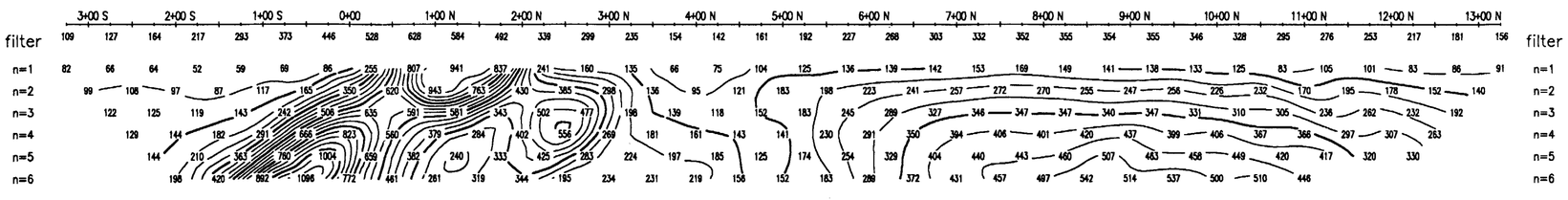
Interpretation



Chargeability mV/V

Interpretation



Resistivity ohm/meters

Topo

Interpretation

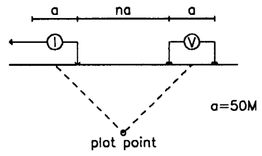
Chargeability mV/V

Interpretation

Resistivity ohm/meters

L 4+00E

Pole-Dipole Array



Filter

	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	— — — —
Chargeability ;	1.0 mV/V	- - - - - -
Metal Factor ;	1 %	————

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
1760mSec Total Intergration Time, 80mS Delay.
MT= (80+80+80+80+160+160+160+320+320+320) mSec
Androtex STX-10
8Second Total Duty Cycle, 2Sec On/Off Time.

INTERPRETATION

- Low Effect
  Poorly Chargeable mV/V, IP effect
  Low Apparent Resistivity, rho
- Moderately Low Effect
- Moderately High Effect
- High Effect
  Good Chargeability mV/V, IP effect
  High Apparent Resistivity, rho

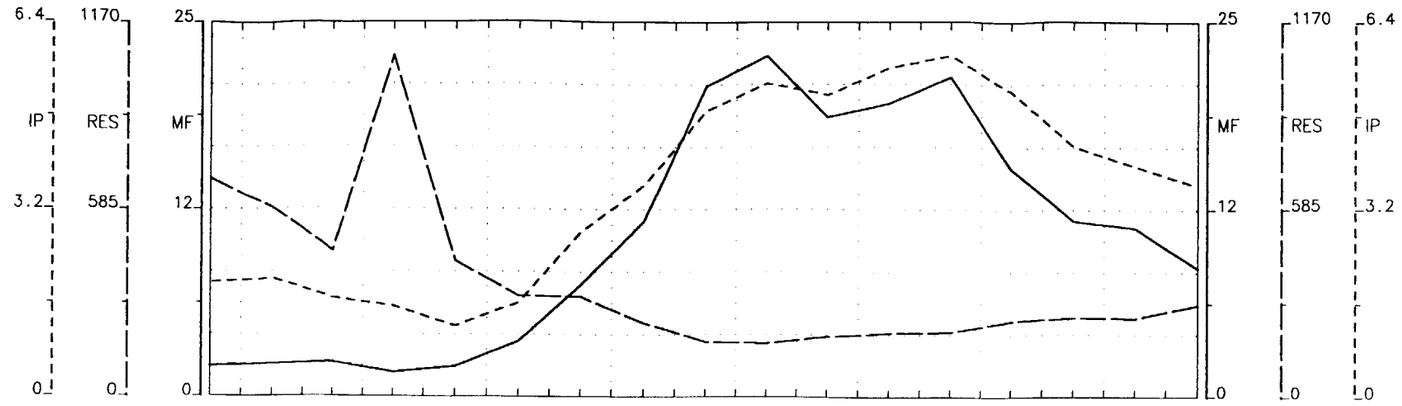
Scale 1:5000

50 0 50 100 150 200 250 300
(meters)

Canadian Golden Dragon Resources

Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

Phase III Fall Grid
GEOSERVE CANADA INC Dec. 1997.



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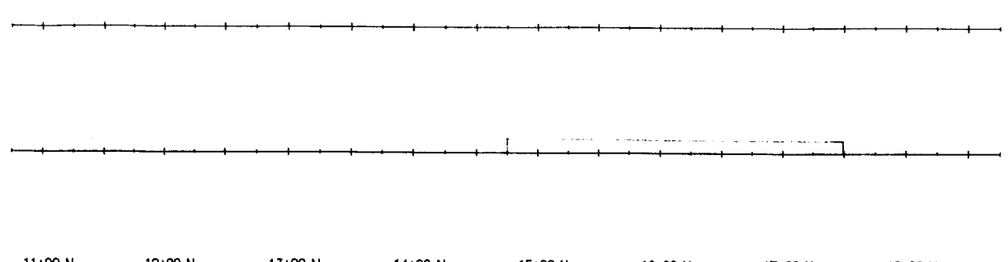
Interpretation



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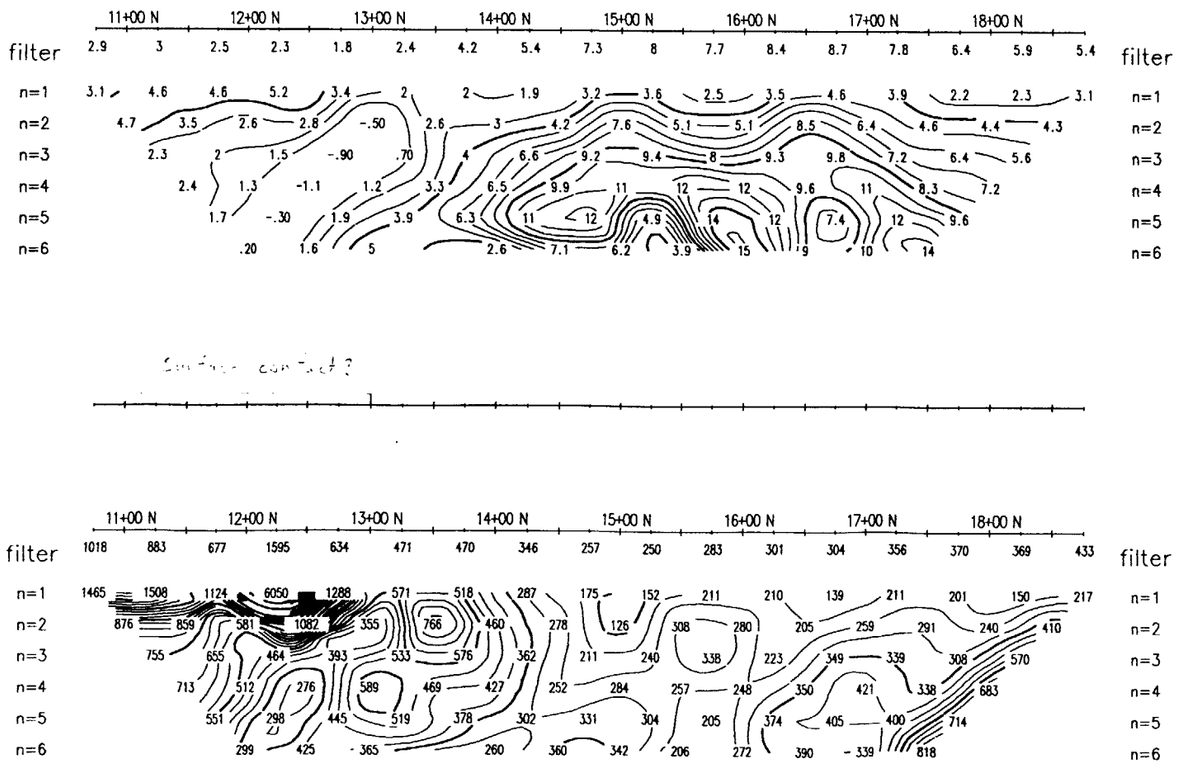
Interpretation



Chargeability
mV/V

Chargeability
mV/V

Interpretation

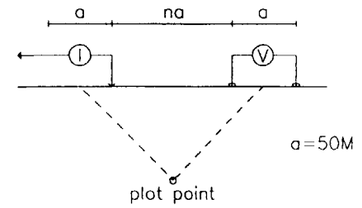
Interpretation

Resistivity
ohm/meters

Resistivity
ohm/meters

L 10+00E

Pole-Dipole Array



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	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	-- -- -- --
Chargeability ;	1.0 mV/V	- - - - - -
Metal Factor ;	1 %	----------

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
1760mSec Total Intergration Time, 80mS Delay.
MT= (80+80+80+80+160+160+160+320+320+320) mSec
Androtex STX-10
8Second Total Duty Cycle, 2Sec On/Off Time.

INTERPRETATION

Low Effect
Poorly Chargeable mV/V, IP effect
Low Apparent Resistivity, rho

Moderately Low Effect

Moderately High Effect

High Effect
Good Chargeability mV/V, IP effect
High Apparent Resistivity, rho

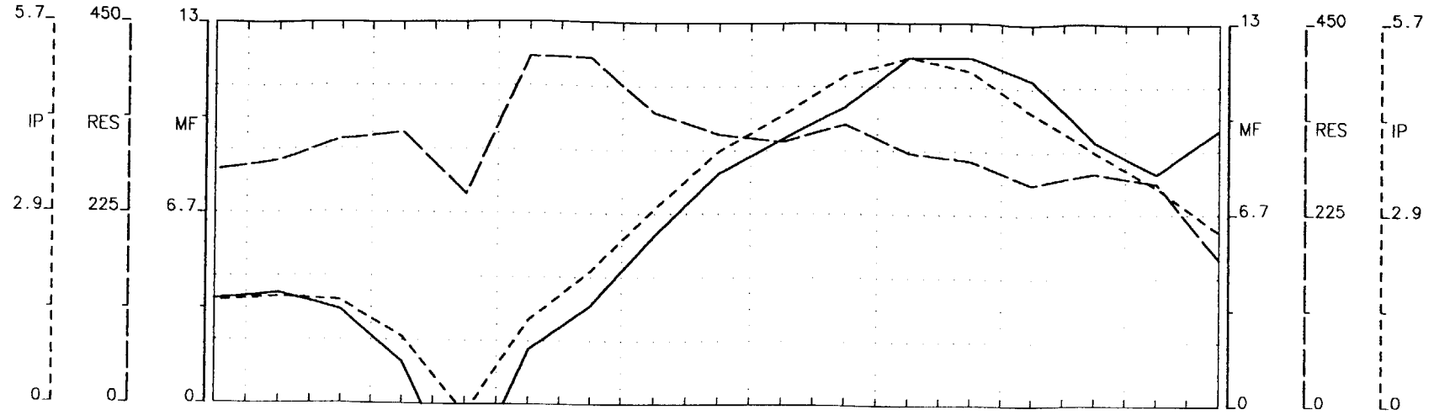
Scale 1:5000

50 0 50 100 150 200 250 300
(meters)

Canadian Golden Dragon Resources

Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

Phase III Fall Grid
GEOSERVE CANADA INC Dec. 1997.



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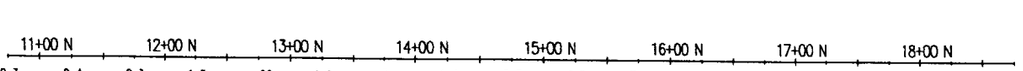
Interpretation



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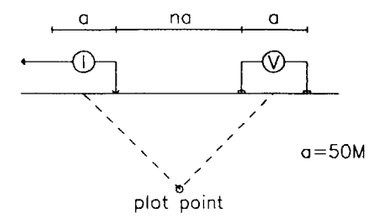
Interpretation

Interpretation

Interpretation

L 12+00E

Pole-Dipole Array



Filter

	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	– – – – – –
Chargeability ;	1.0 mV/V	– – – – – –
Metal Factor ;	1 %	----------

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
1760mSec Total Intergration Time, 80mS Delay.
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INTERPRETATION

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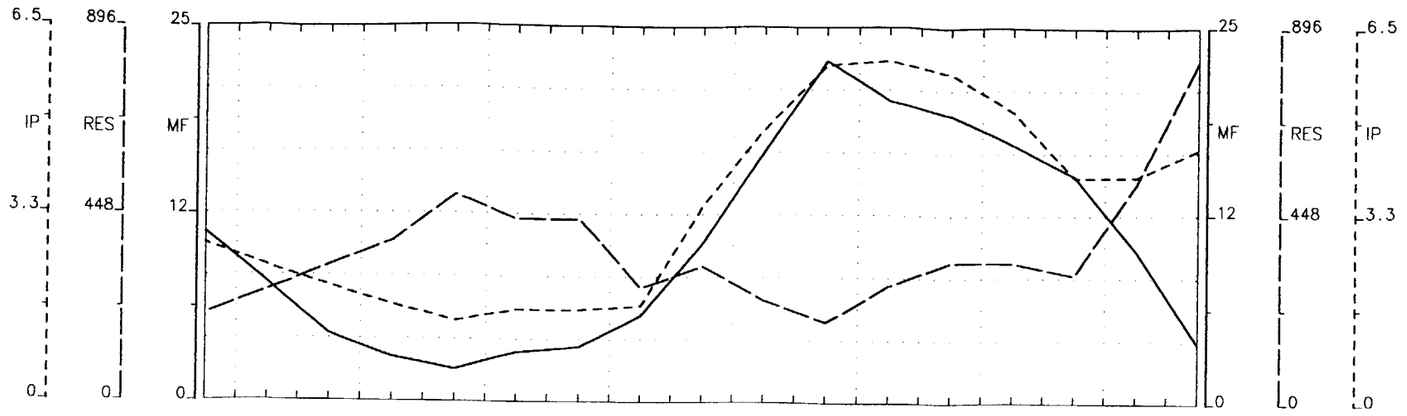
Scale 1:5000

50 0 50 100 150 200 250 300
(meters)

Canadian Golden Dragon Resources

Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

Phase III Fall Grid
GEOSERVE CANADA INC Dec. 1997.



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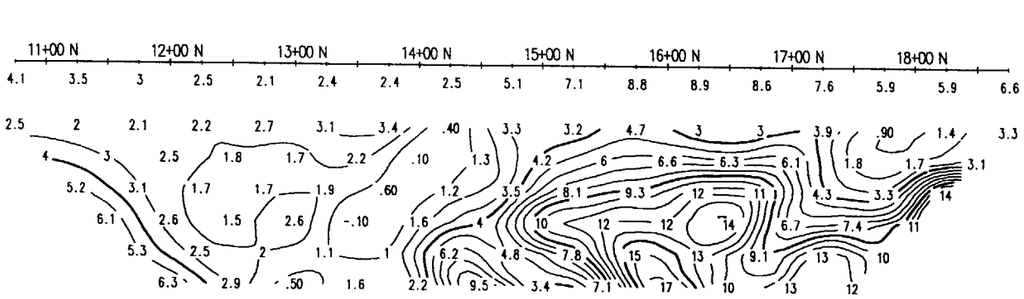
Interpretation



Chargeability
mV/V

Interpretation

Resistivity
ohm/meters

Topo

Interpretation

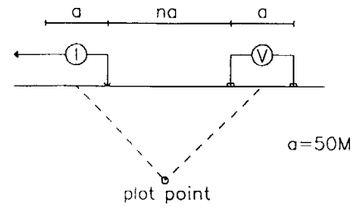
Chargeability
mV/V

Interpretation

Resistivity
ohm/meters

L 14+00E

Pole-Dipole Array



Filter

	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	– – – – – –
Chargeability ;	1.0 mV/V	– – – – – –
Metal Factor ;	1 %	----------

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
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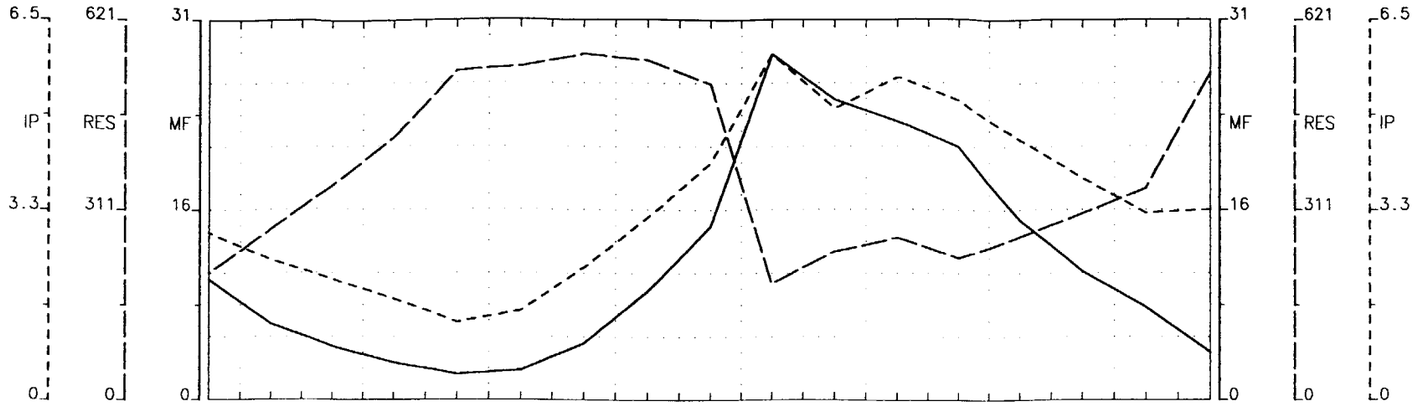
(meters)

Canadian Golden Dragon Resources

Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

Phase III Fall Grid
GEOSERVE CANADA INC Dec. 1997.

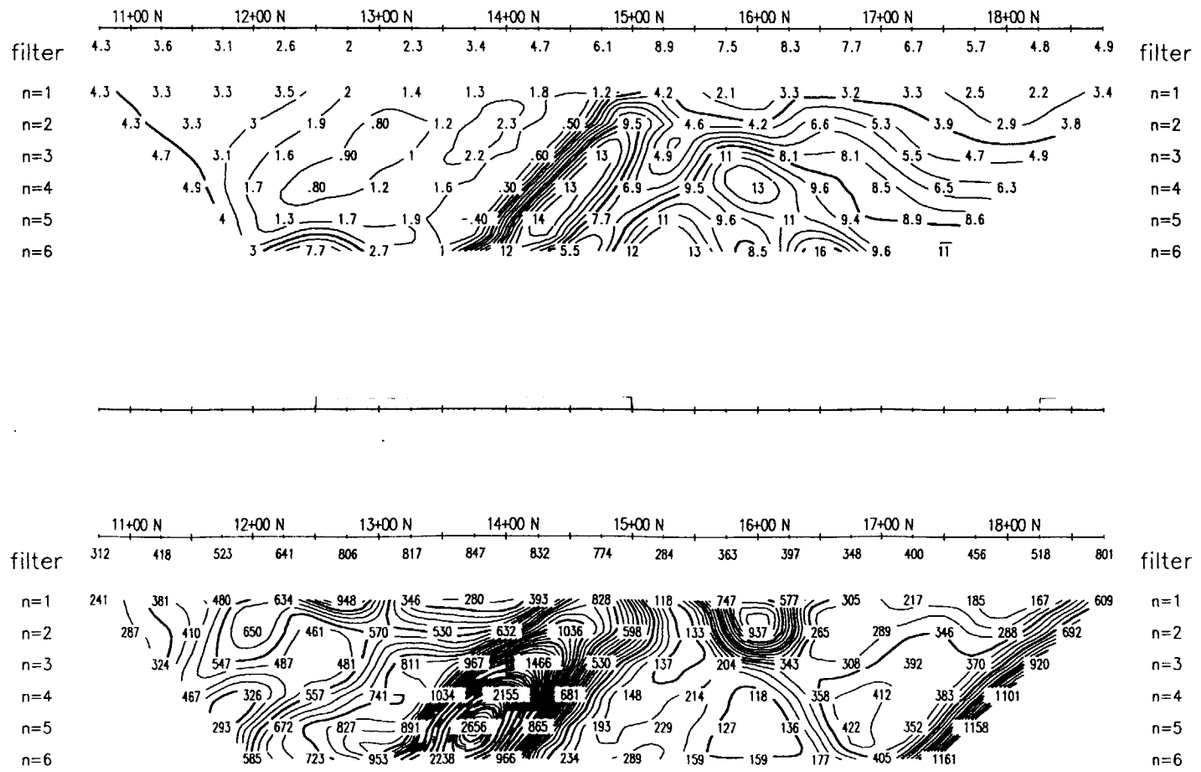


Topo

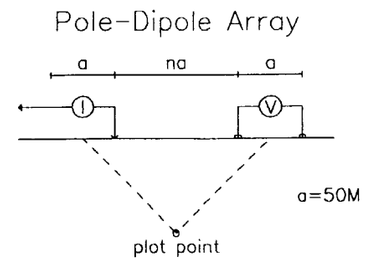
Interpretation

Topo

Interpretation



L 16+00E



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	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	-- -- -- --
Chargeability ;	1.0 mV/V	- - - - - -
Metal Factor ;	1 %	----------

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1760mSec Total Intergration Time, 80mS Delay.
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Androtex STX-10
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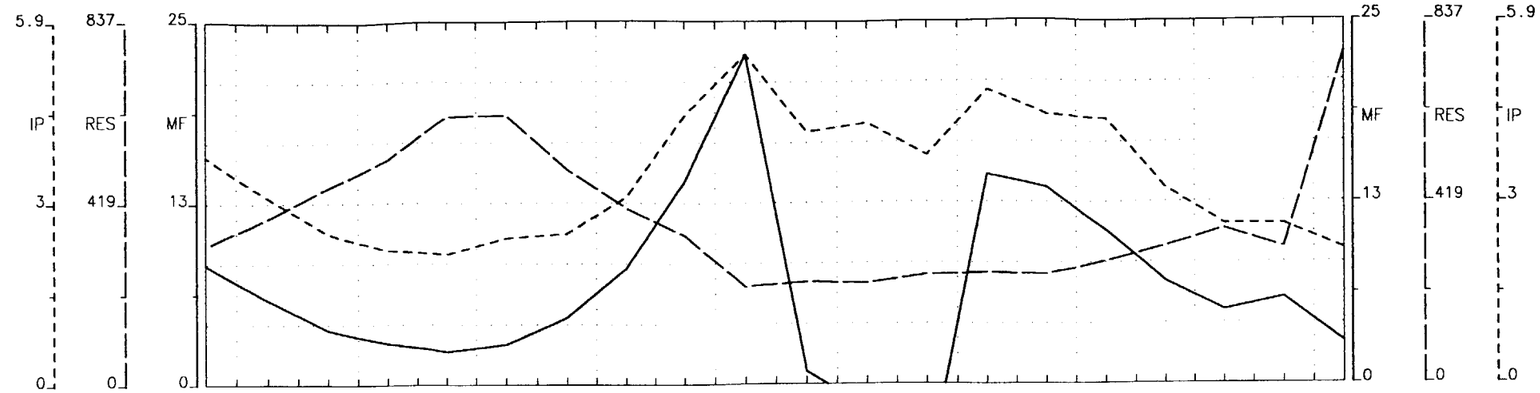
Scale 1:5000

50 0 50 100 150 200 250 300
(meters)

Canadian Golden Dragon Resources

Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

Phase III Fall Grid
GEOSERVE CANADA INC Dec. 1997.



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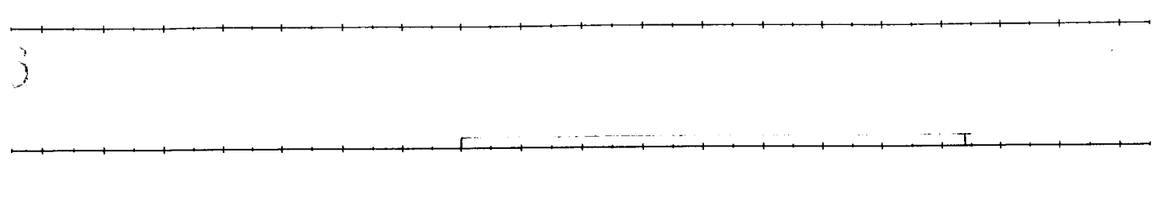
Interpretation



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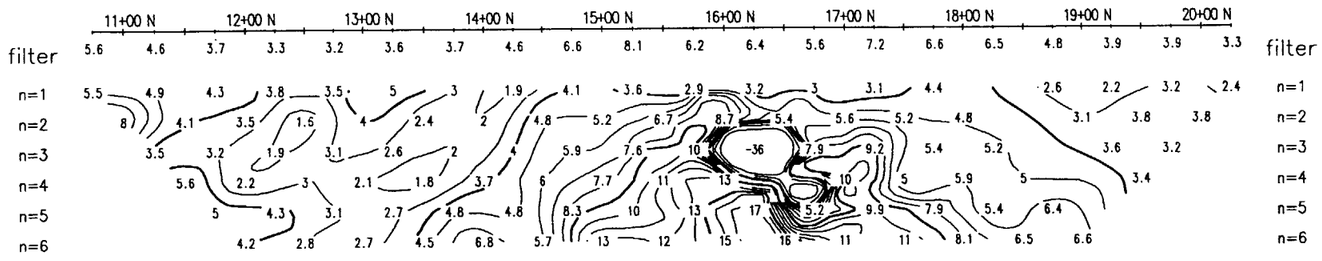
Interpretation

Chargeability
mV/V

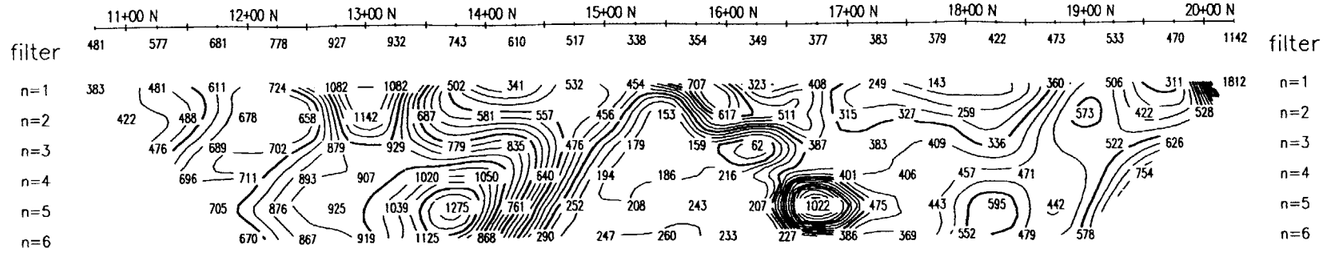


Chargeability
mV/V

Interpretation

Interpretation

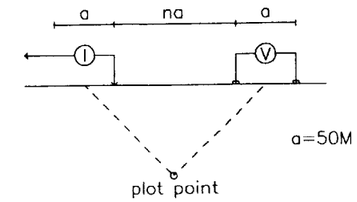
Resistivity
ohm/meters



Resistivity
ohm/meters

L 18+00E

Pole-Dipole Array



Filter

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	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	-- -- -- --
Chargeability ;	1.0 mV/V	- - - - - -
Metal Factor ;	1 %	----------

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
1760mSec Total Intergration Time, 80mS Delay.
MT= (80+80+80+80+160+160+160+320+320+320) mSec
Androtex STX-10
8Second Total Duty Cycle, 2Sec On/Off Time.

INTERPRETATION

Low Effect
Poorly Chargeable mV/V, IP effect
Low Apparent Resistivity, rho

Moderately Low Effect

Moderately High Effect

High Effect
Good Chargeability mV/V, IP effect
High Apparent Resistivity, rho

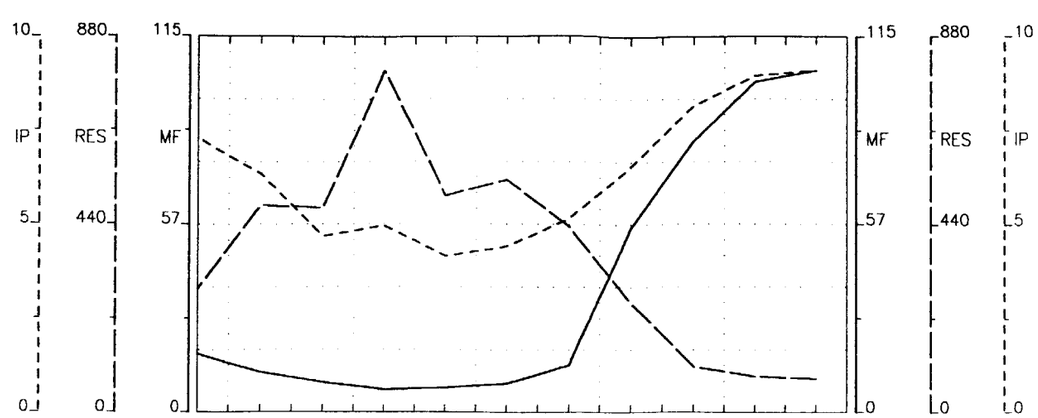
Scale 1:5000

50 0 50 100 150 200 250 300
(meters)

Canadian Golden Dragon Resources

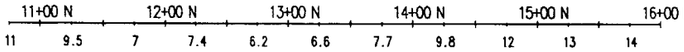
Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

Phase III Fall Grid
GEOSERVE CANADA INC Dec. 1997.



Topo

Interpretation



Topo

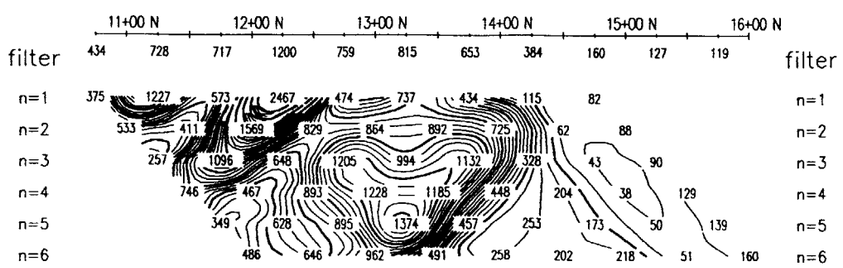
Interpretation

Chargeability
mV/V

Chargeability
mV/V

Interpretation

Interpretation

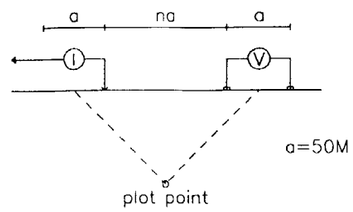


Resistivity
ohm/meters

Resistivity
ohm/meters

L 20+00E

Pole-Dipole Array



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	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	-- -- -- --
Chargeability ;	1.0 mV/V	- - - - - -
Metal Factor ;	1 %	----------

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
1760mSec Total Intergration Time, 80mS Delay.
MT= (80+80+80+80+160+160+160+320+320+320) mSec
Androtex STX-10
8Second Total Duty Cycle, 2Sec On/Off Time.

INTERPRETATION

- Low Effect
  Poorly Chargeable mV/V, IP effect
  Low Apparent Resistivity, rho
- Moderately Low Effect
- Moderately High Effect
- High Effect
  Good Chargeability mV/V, IP effect
  High Apparent Resistivity, rho

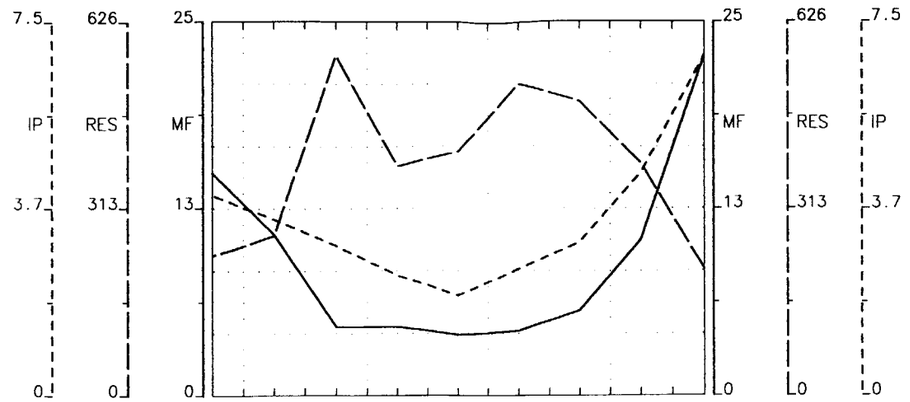
Scale 1:5000

50 0 50 100 150 200 250 300
(meters)

Canadian Golden Dragon Resources

Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

Phase III Fall Grid
GEOSERVE CANADA INC Dec. 1997.

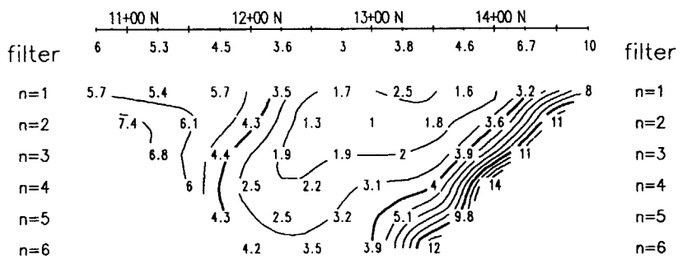


Topo

Topo

Interpretation

Interpretation

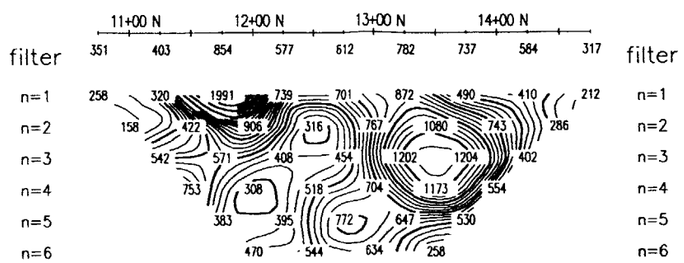


Chargeability
mV/V

Chargeability
mV/V

Interpretation

Interpretation

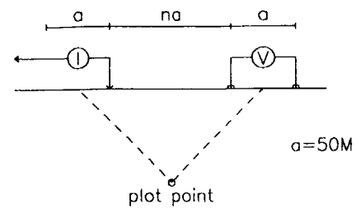


Resistivity
ohm/meters

Resistivity
ohm/meters

L 22+00E

Pole-Dipole Array



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	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	-- -- -- --
Chargeability ;	1.0 mV/V	- - - - - -
Metal Factor ;	1 %	----------

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
1760mSec Total Intergration Time, 80mS Delay.
MT= (80+80+80+80+160+160+160+320+320+320) mSec
Androtex STX-10
8Second Total Duty Cycle, 2Sec On/Off Time.

INTERPRETATION

- Low Effect
  Poorly Chargeable mV/V, IP effect
  Low Apparent Resistivity, rho
- Moderately Low Effect
- Moderately High Effect
- High Effect
  Good Chargeability mV/V, IP effect
  High Apparent Resistivity, rho

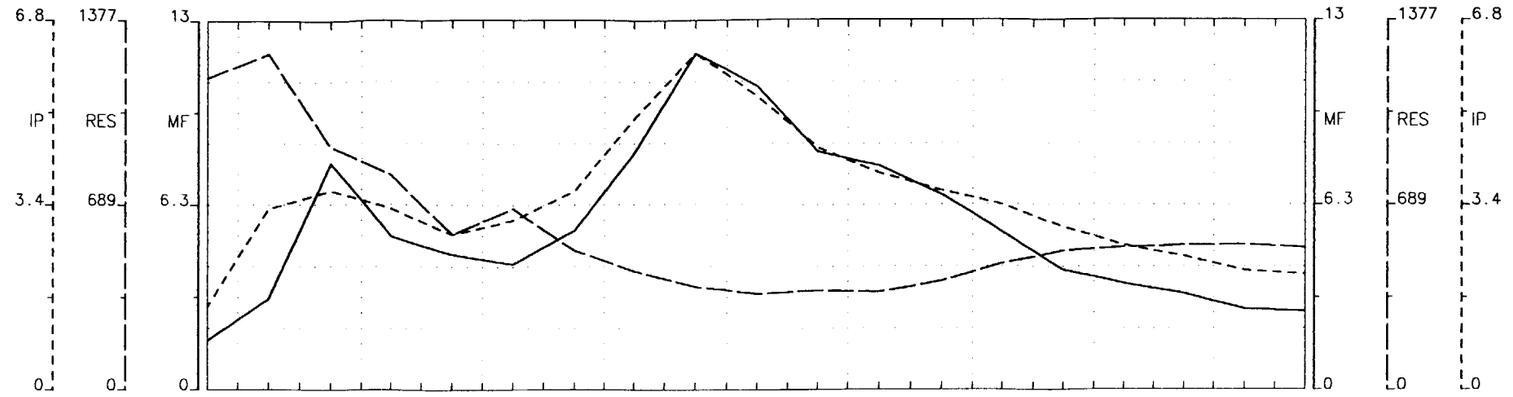
Scale 1:5000

50 0 50 100 150 200 250 300
(meters)

Canadian Golden Dragon Resources

Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

Phase III Fall Grid
GEOSERVE CANADA INC Dec. 1997.

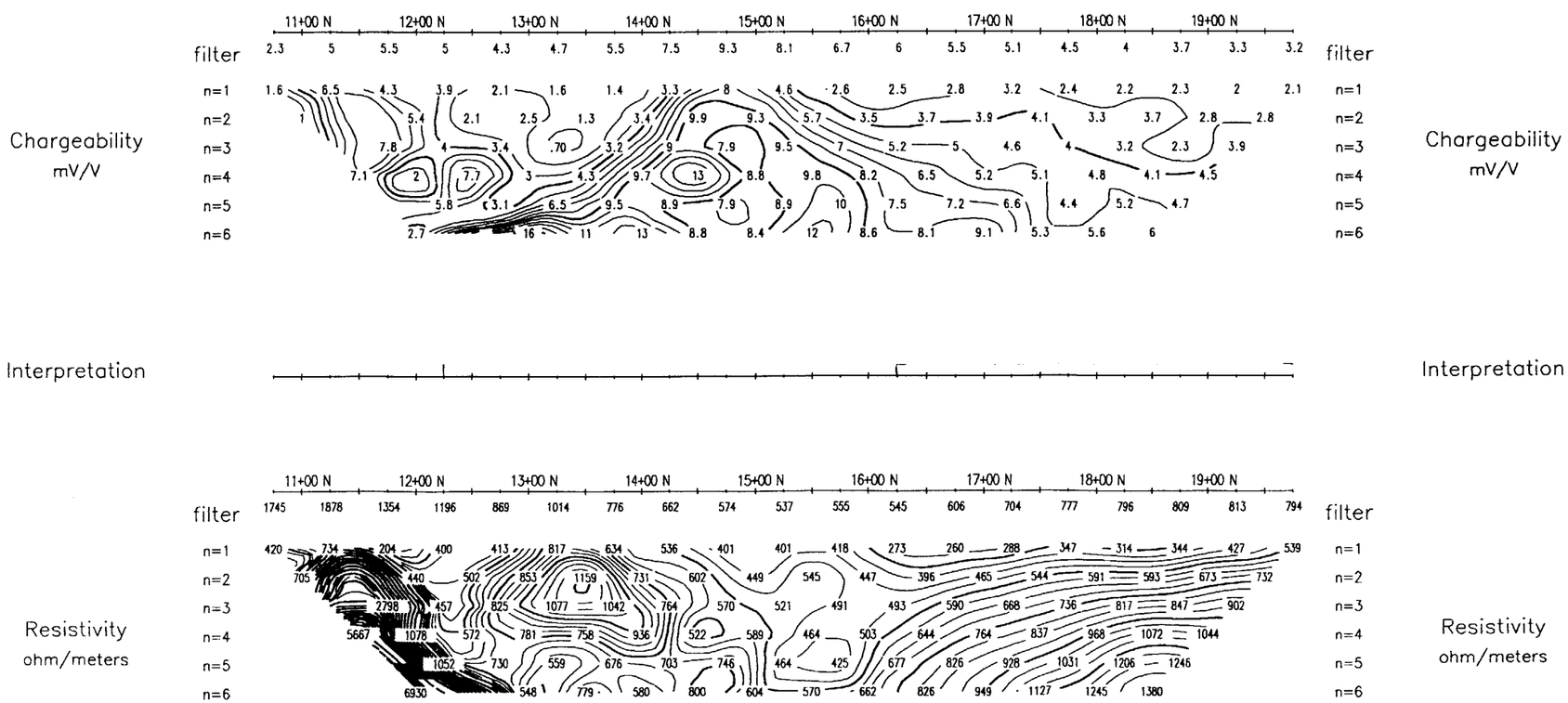


Topo

Interpretation

Topo

Interpretation

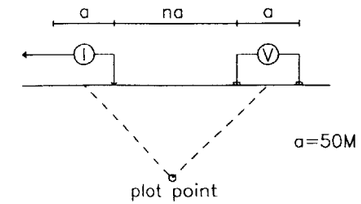


Interpretation

Interpretation

L 24+00E

Pole-Dipole Array



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	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	-- -- -- --
Chargeability ;	1.0 mV/V	- - - - - -
Metal Factor ;	1 %	----------

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
1760mSec Total Intergration Time, 80mS Delay.
MT= (80+80+80+80+160+160+160+320+320+320) mSec
Androtex STX-10
8Second Total Duty Cycle, 2Sec On/Off Time.

INTERPRETATION

- Low Effect
  Poorly Chargeable mV/V, IP effect
  Low Apparent Resistivity, rho
- Moderately Low Effect
- Moderately High Effect
- High Effect
  Good Chargeability mV/V, IP effect
  High Apparent Resistivity, rho

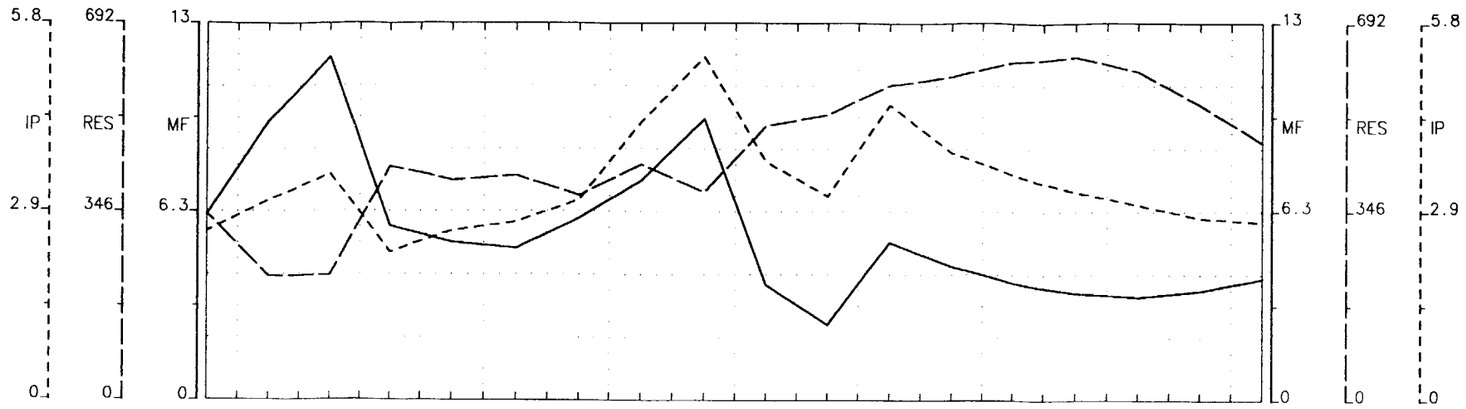
Scale 1:5000

50 0 50 100 150 200 250 300
(meters)

Canadian Golden Dragon Resources

Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

Phase III Fall Grid
GEOSERVE CANADA INC Dec. 1997.



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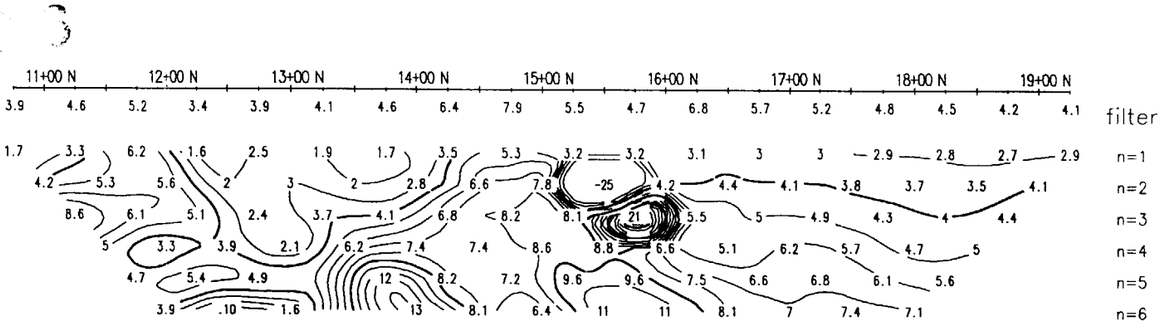
Interpretation

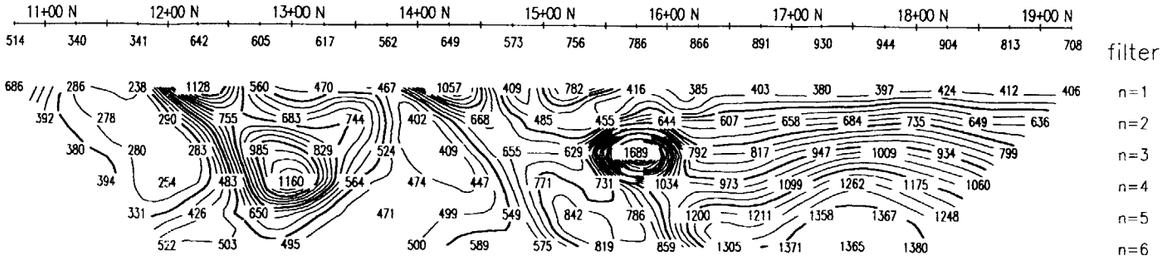


Topo

Interpretation

Chargeability
mV/V

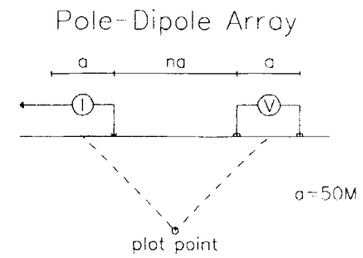
Interpretation



Resistivity
ohm/meters

L 26+00E

Pole-Dipole Array



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	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	-- -- -- --
Chargeability ;	1.0 mV/V	- - - - - -
Metal Factor ;	1 %	----------

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
1760mSec Total Intergration Time, 80mS Delay.
MT= (80+80+80+80+160+160+160+320+320+320) mSec
Androtex STX-10
8Second Total Duty Cycle, 2Sec On/Off Time.

INTERPRETATION

- Low Effect
  Poorly Chargeable mV/V, IP effect
  Low Apparent Resistivity, rho
- Moderately Low Effect
- Moderately High Effect
- High Effect
  Good Chargeability mV/V, IP effect
  High Apparent Resistivity, rho

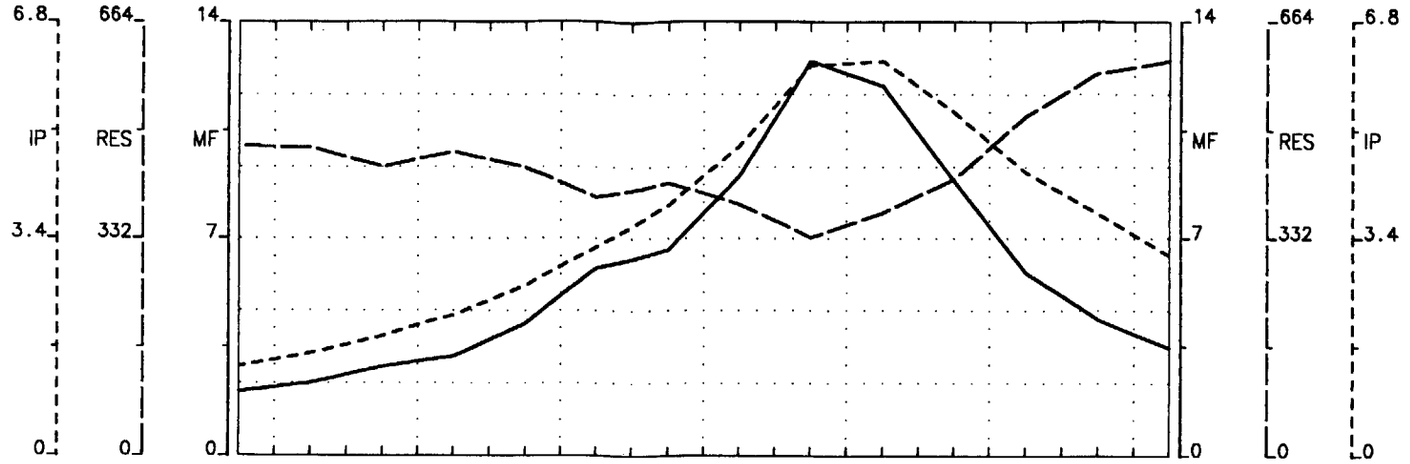
Scale 1:5000

50 0 50 100 150 200 250 300
(meters)

Canadian Golden Dragon Resources

Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

Phase III Fall Grid
GEOSERVE CANADA INC Dec. 1997.



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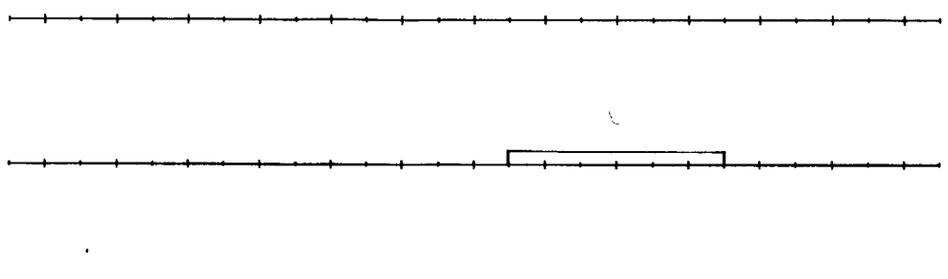
Interpretation



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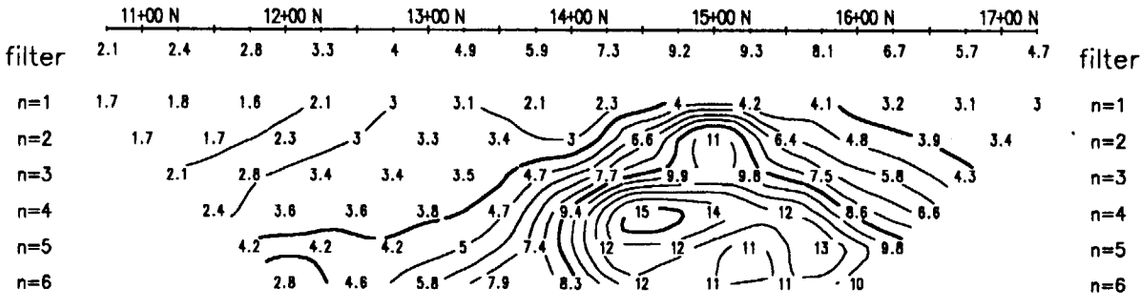
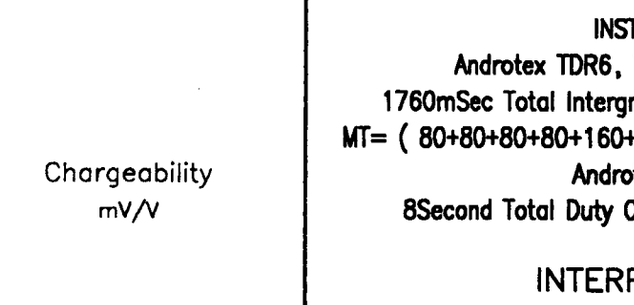
Interpretation



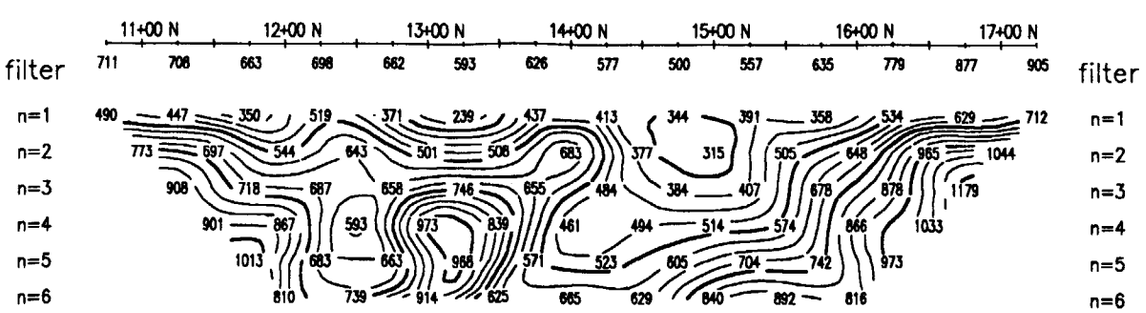
Chargeability
mV/V



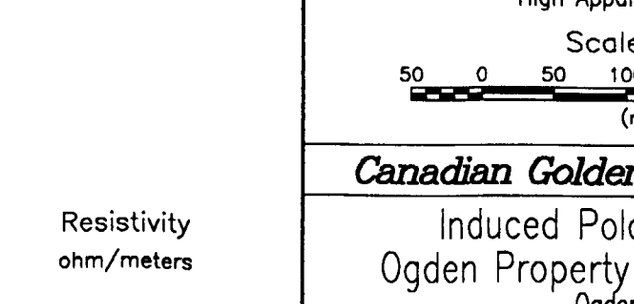
Chargeability
mV/V

Interpretation

Interpretation



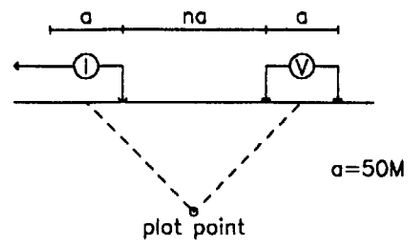
Resistivity
ohm/meters



Resistivity
ohm/meters

L 28+00E

Pole-Dipole Array



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	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	-- -- -- --
Chargeability ;	1.0 mV/V	- - - - - -
Metal Factor ;	1 %	----------

INSTRUMENTS

Androtex TDR6, Time Domain Receiver

1760mSec Total Intergration Time, 80mS Delay.

MT= (80+80+80+80+160+160+160+320+320+320) mSec

Androtex STX-10

8Second Total Duty Cycle, 2Sec On/Off Time.

INTERPRETATION

Low Effect
Poorly Chargeable mV/V, IP effect
Low Apparent Resistivity, rho

Moderately Low Effect

Moderately High Effect

High Effect
Good Chargeability mV/V, IP effect
High Apparent Resistivity, rho

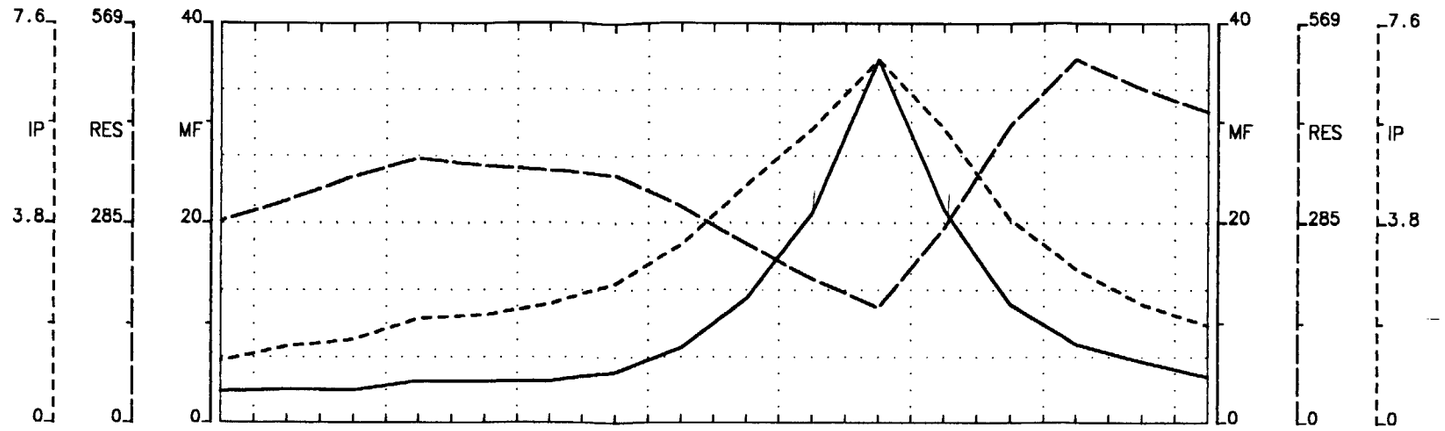
Scale 1:5000

50 0 50 100 150 200 250 300
(meters)

Canadian Golden Dragon Resources

Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

Phase III Fall Grid
GEOSERVE CANADA INC Dec. 1997.



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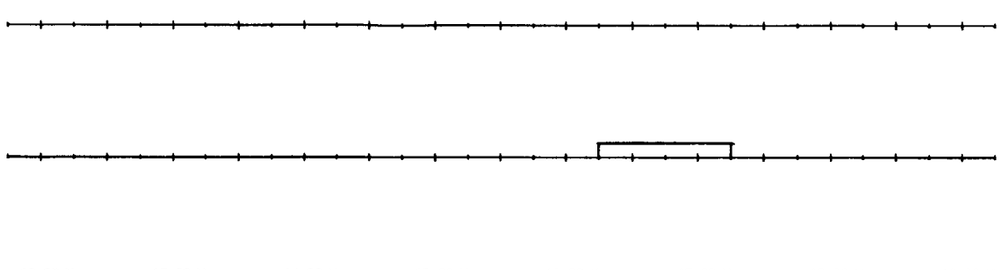
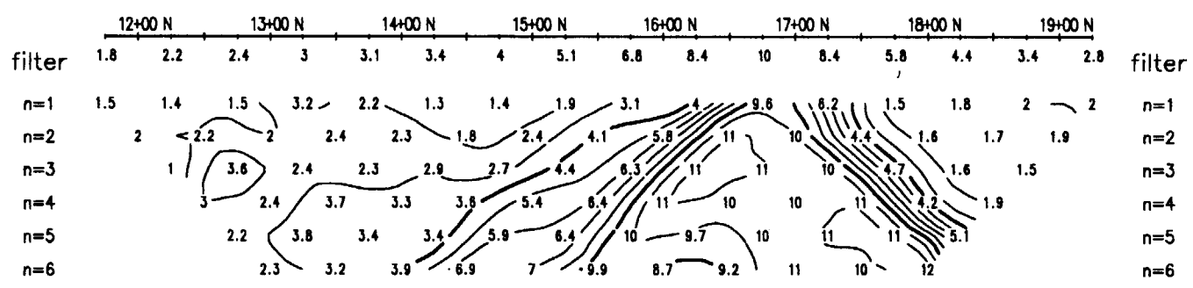
Interpretation



Topo

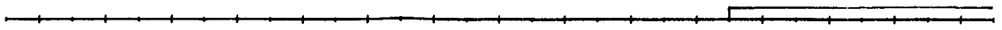
Interpretation

Chargeability
mV/V



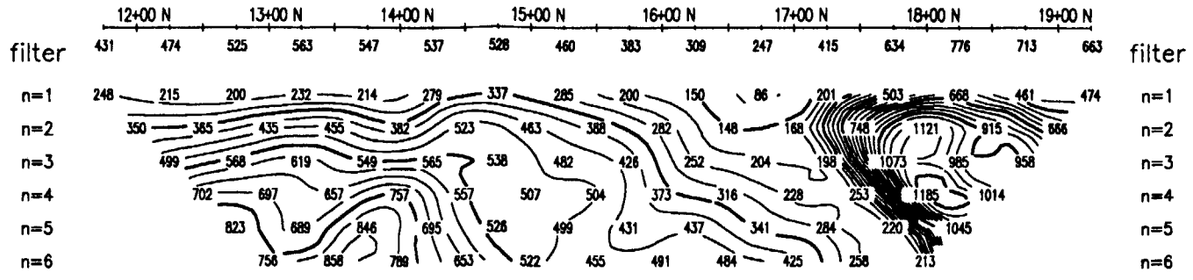
Chargeability
mV/V

Interpretation



Interpretation

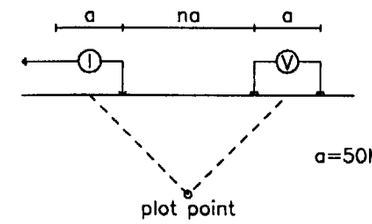
Resistivity
ohm/meters



Resistivity
ohm/meters

L 32+00E

Pole-Dipole Array



Filter

	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	– – – –
Chargeability ;	1.0 mV/V	- - - - -
Metal Factor ;	1 %	----------

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
1760mSec Total Intergration Time, 80mS Delay.
MT= (80+80+80+80+160+160+160+320+320+320) mSec
Androtex STX-10
8Second Total Duty Cycle, 2Sec On/Off Time.

INTERPRETATION

- Low Effect
  Poorly Chargeable mV/V, IP effect
  Low Apparent Resistivity, rho
- Moderately Low Effect
- Moderately High Effect
- High Effect
  Good Chargeability mV/V, IP effect
  High Apparent Resistivity, rho

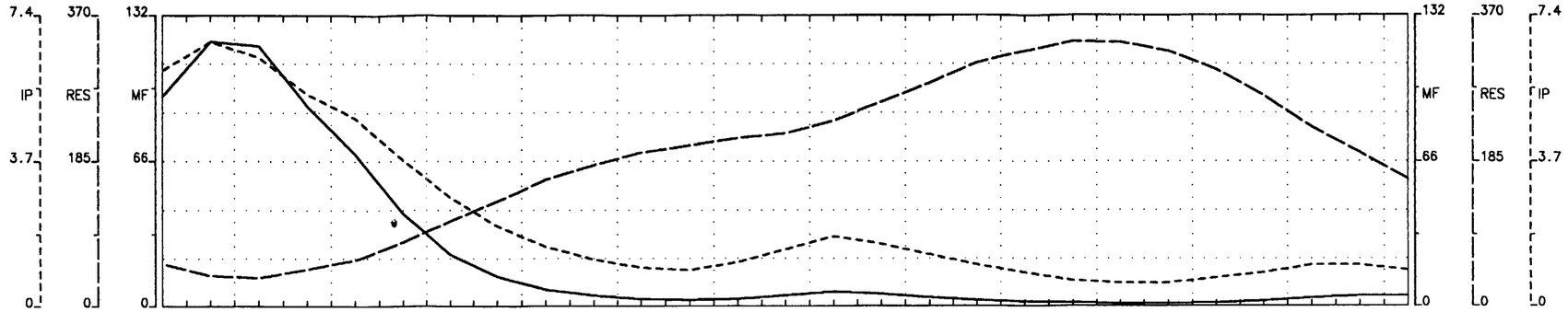
Scale 1:5000

50 0 50 100 150 200 250 300
(meters)

Canadian Golden Dragon Resources

Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

Phase III Fall Grid
GEOSERVE CANADA INC Dec. 1997.



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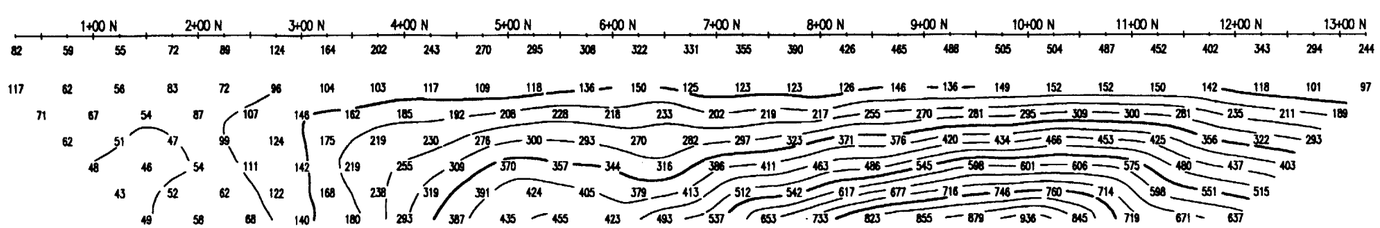
Interpretation

Chargeability
mV/V

Interpretation



Resistivity
ohm/meters

Topo

Interpretation

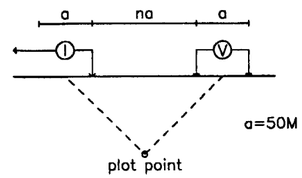
Chargeability
mV/V

Interpretation

Resistivity
ohm/meters

L 6+00W

Pole-Dipole Array



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	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	— — — —
Chargeability ;	1.0 mV/V	- - - - -
Metal Factor ;	1 %	————

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
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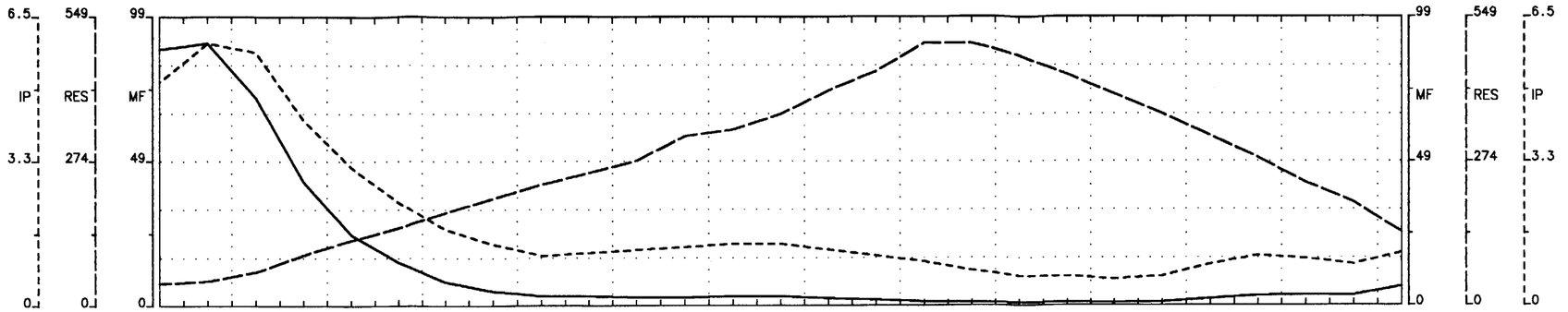
Scale 1:5000

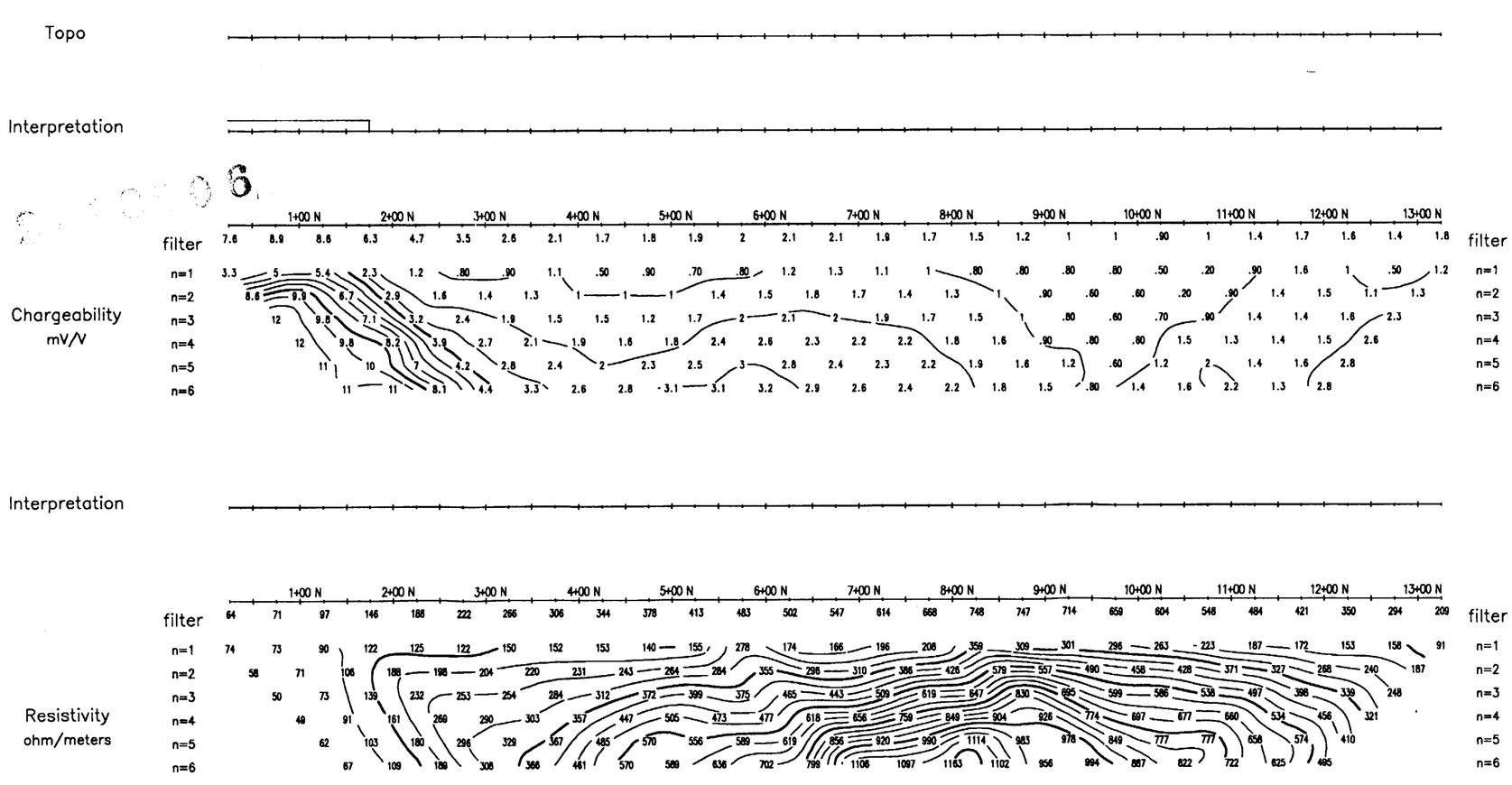
50 0 50 100 150 200 250 300
(meters)

Canadian Golden Dragon Resources

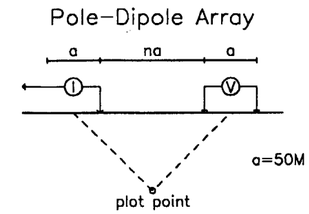
Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

Phase III Fall Grid
GEOSERVE CANADA INC Dec. 1997.





L 8+00W



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	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	— — — —
Chargeability ;	1.0 mV/V	- - - - - -
Metal Factor ;	1 %	----------

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
1760mSec Total Intergration Time, 80mS Delay.
MT= (80+80+80+80+160+160+160+320+320+320) mSec
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- Moderately Low Effect
- Moderately High Effect
- High Effect
  Good Chargeability mV/V, IP effect
  High Apparent Resistivity, rho

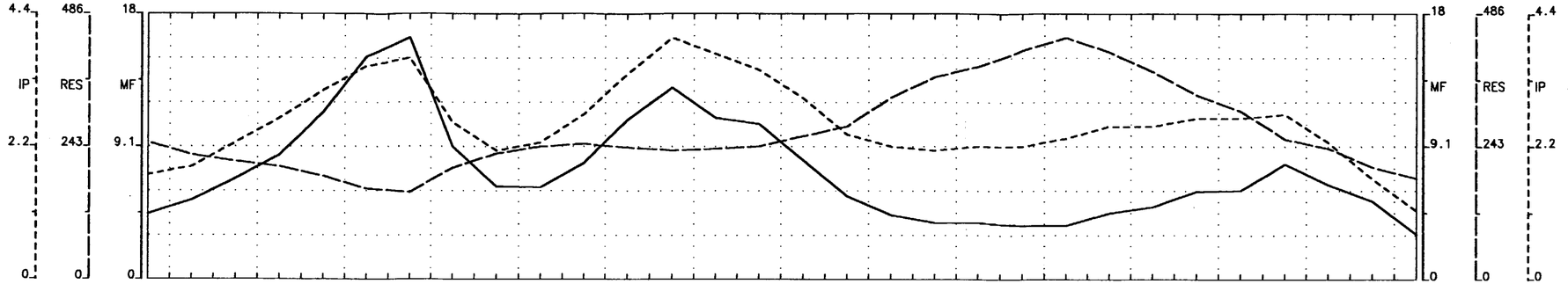
Scale 1:5000

50 0 50 100 150 200 250 300
(meters)

Canadian Golden Dragon Resources

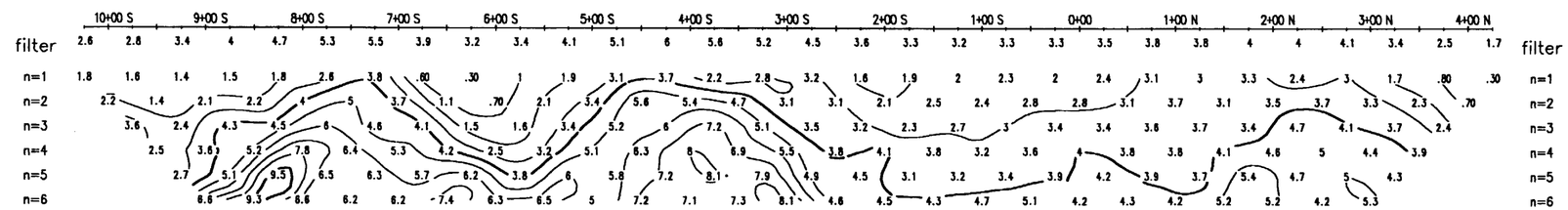
Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

Phase III Fall Grid
GEOSERVE CANADA INC Dec. 1997.



Topo

Interpretation



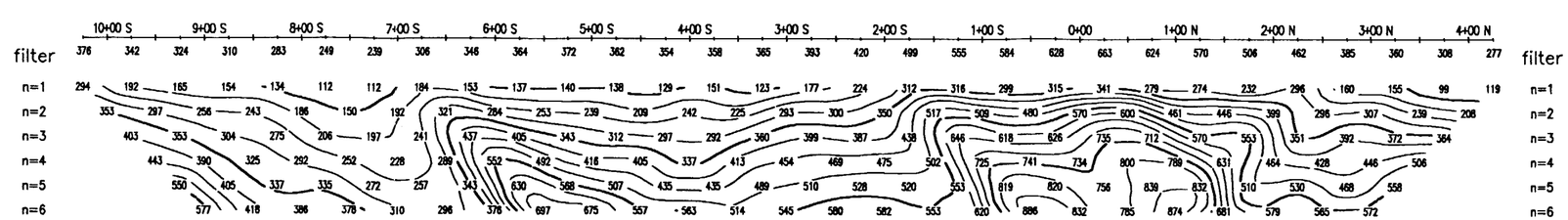
Chargeability
mV/V

Topo

Interpretation

Chargeability
mV/V

Interpretation



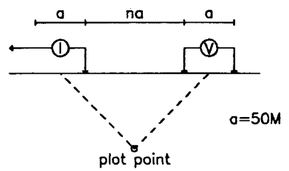
Resistivity
ohm/meters

Interpretation

Resistivity
ohm/meters

L 24+00W

Pole-Dipole Array



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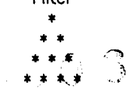


	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	– – – –
Chargeability ;	1.0 mV/V	– – – –
Metal Factor ;	1 %	————

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
1760mSec Total Intergration Time, 80mS Delay.
MT= (80+80+80+80+160+160+160+320+320+320) mSec
Androtex STX-10
8Second Total Duty Cycle, 2Sec On/Off Time.

INTERPRETATION

- Low Effect
  Poorly Chargeable mV/V, IP effect
  Low Apparent Resistivity, rho
- Moderately Low Effect
- Moderately High Effect
- High Effect
  Good Chargeability mV/V, IP effect
  High Apparent Resistivity, rho

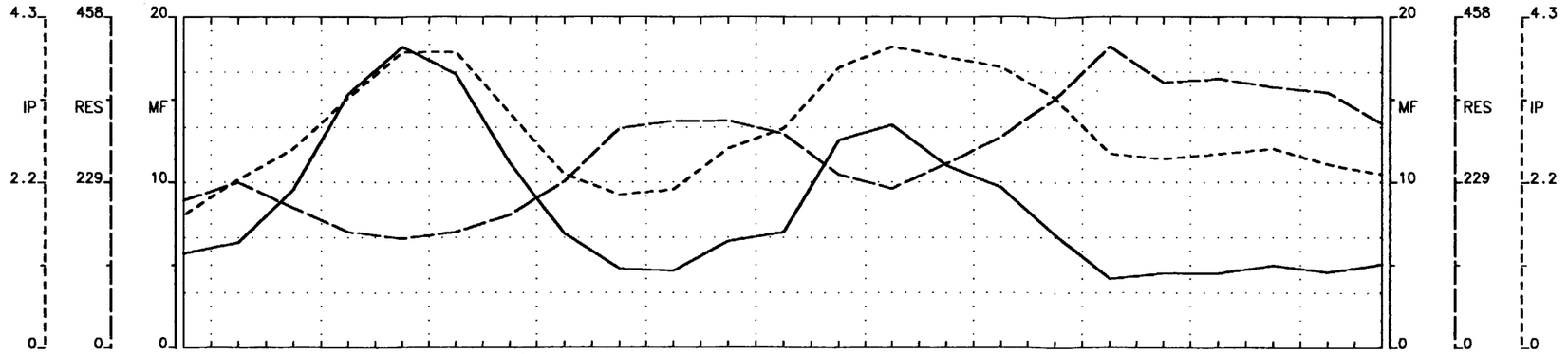
Scale 1:5000

50 0 50 100 150 200 250 300
(meters)

Canadian Golden Dragon Resources

Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

Phase III Fall Grid
GEOSERVE CANADA INC Dec. 1997.



Topo

Interpretation

10+00 S 9+00 S 8+00 S 7+00 S 6+00 S 5+00 S 4+00 S 3+00 S 2+00 S 1+00 S 0+00

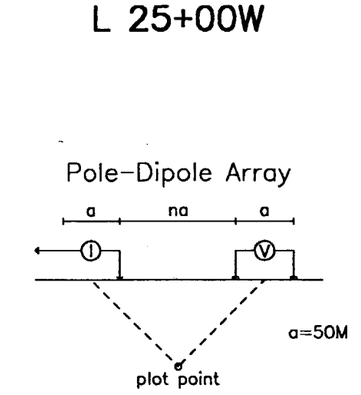
Chargeability mV/V

	filter																				filter
n=1	2.6	3.3	3.9	4.9	5.8	5.8	4.6	3.4	3	3.1	3.9	4.3	5.5	5.9	5.7	5.5	4.9	3.8	3.7	3.8	3.9	3.6	3.4	n=1
n=2	2	2.6	2.9	5.4	5.6	4.4	1.8	.90	1.3	1.2	3.4	4.6	5.9	6	4.7	4.4	3.5	2	2.9	3.8	3.7	3.4		n=2
n=3		2.4	3.4	5.1	6.3	6.3	4.1	1.2	1.2	1.8	3.7	4.7	6.1	6.8	6	5.2	5.1	4.6	2.7	3.8	4.2	3.7		n=3
n=4			3.5	5.4	6.1	8.6	8.6	6.1	2.3	2.3	2.7	4.4	5.4	7.5	7.5	6.5	4.1	5.3	5.1	3.3	4.2	4.3		n=4
n=5			5.3	6.4	6.9	7	8.5	5.1	3.8	2.7	4.3	6	6.3	7.4	7.3	6.5	4.6	5.3	5.8	3.9	4.3			n=5
n=6				6	7.6	5.8	4	9.6	11	3.6	3.9	5.7	6.2	6.7	6.8	7.3	5.6	4.5	4.8	6.2	3.4			n=6

Interpretation

Resistivity ohm/meters

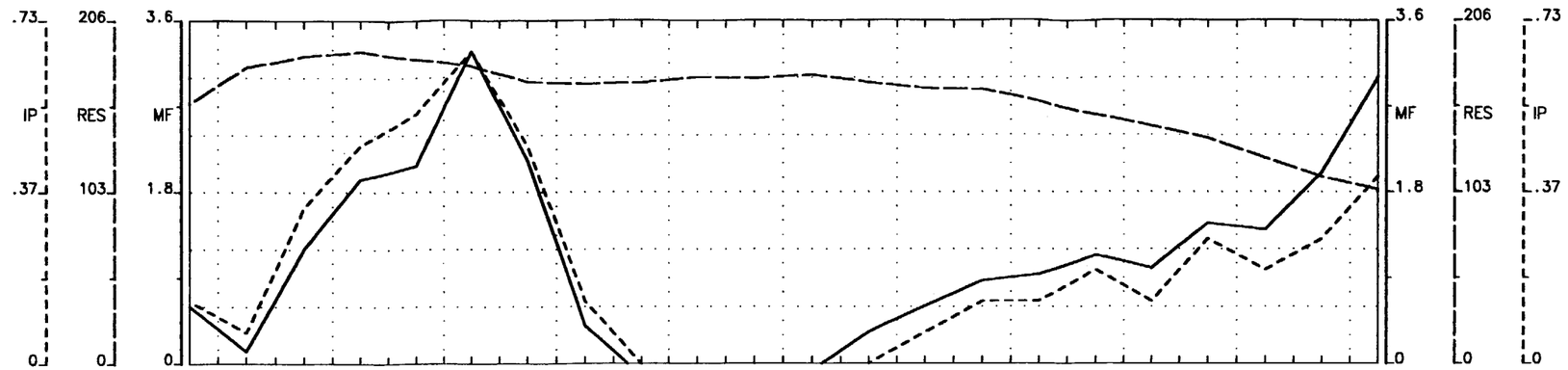
	filter																				filter
n=1	306	343	290	240	226	240	276	345	455	470	470	443	359	330	382	436	516	624	550	558	540	530	465	n=1
n=2	203	268	179	140	132	120	148	190	297	198	206	204	137	172	239	236	281	644	288	352	348	373	307	n=2
n=3	349	351	223	122	178	199	248	346	449	313	410	264	174	236	366	373	622	478	468	474	505	505		n=3
n=4	415	395	184	157	236	265	340	459	588	511	380	304	242	296	483	630	585	801	531	568	561			n=4
n=5	433	309	219	211	289	327	405	552	835	532	405	357	289	352	712	623	696	640	603	599				n=5
n=6	329	354	277	258	343	365	450	731	857	565	456	412	347	486	710	711	712	732	629					n=6
	363	398	300	239	351	341	527	666	829	569	477	410	432	393	723	663	742	701						



Canadian Golden Dragon Resources

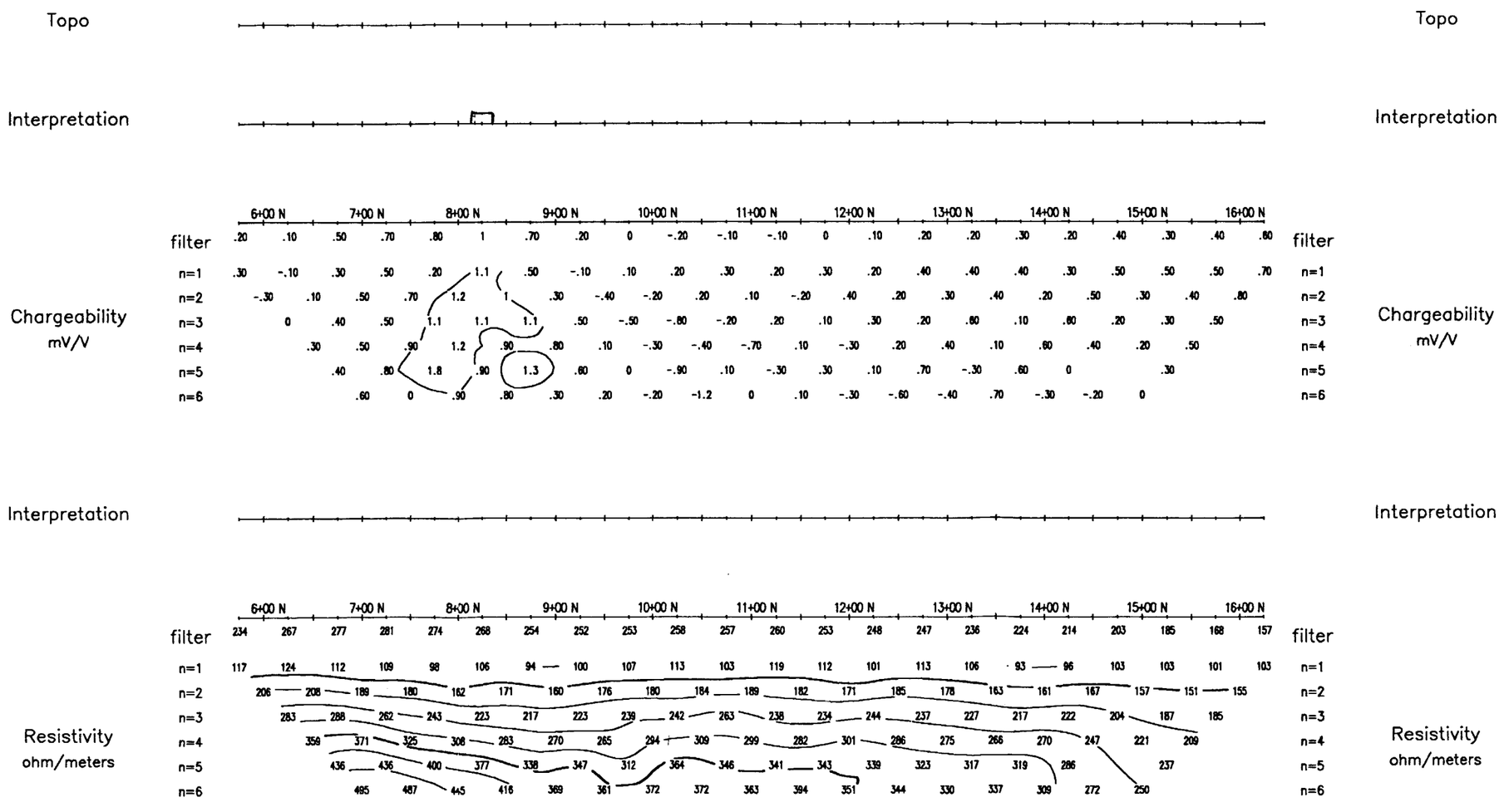
Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

Phase III Fall Grid
GEOSERVE CANADA INC Dec. 1997.



Topo

Interpretation



Chargeability
mV/V

Interpretation

Resistivity
ohm/meters

Topo

Interpretation

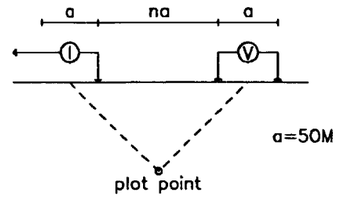
Chargeability
mV/V

Interpretation

Resistivity
ohm/meters

L 26+00W

Pole-Dipole Array



Filter

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	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	– – – – –
Chargeability ;	1.0 mV/V	– – – – –
Metal Factor ;	1 %	----------

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
1760mSec Total Intergration Time, 80mS Delay.
MT= (80+80+80+80+160+160+160+320+320+320) mSec
Androtex STX-10
8Second Total Duty Cycle, 2Sec On/Off Time.

INTERPRETATION

- Low Effect
  Poorly Chargeable mV/V, IP effect
  Low Apparent Resistivity, rho
- Moderately Low Effect
- Moderately High Effect
- High Effect
  Good Chargeability mV/V, IP effect
  High Apparent Resistivity, rho

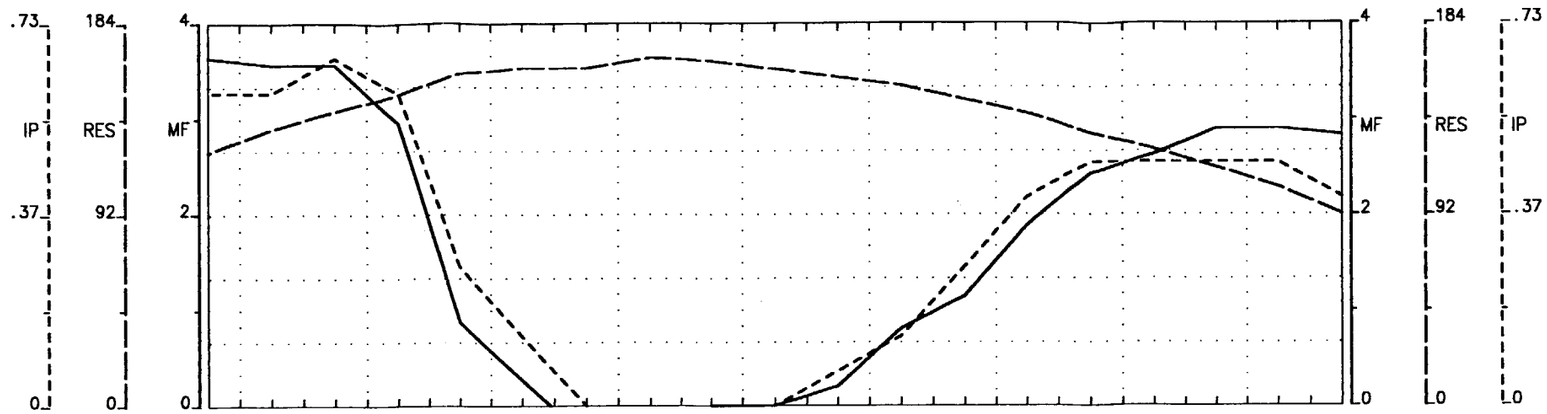
Scale 1:5000

50 0 50 100 150 200 250 300
(meters)

Canadian Golden Dragon Resources

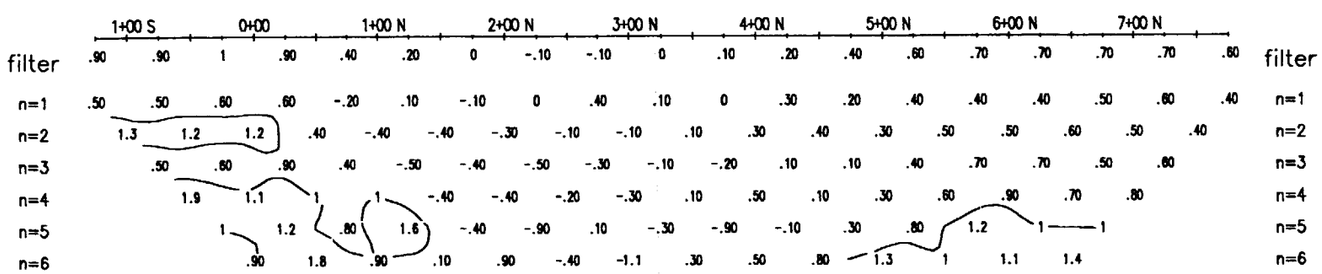
Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

Phase III Fall Grid
GEOSERVE CANADA INC Dec. 1997.



Topo

Interpretation



Topo

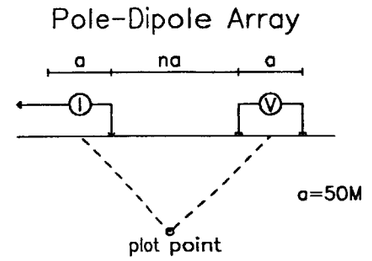
Interpretation

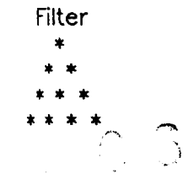
Chargeability
mV/V

Interpretation

Resistivity
ohm/meters

L 28+00W





	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	– – – – –
Chargeability ;	1.0 mV/V	- - - - - -
Metal Factor ;	1 %	----------

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
1760mSec Total Intergration Time, 80mS Delay.
MT= (80+80+80+80+160+160+160+320+320+320) mSec
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INTERPRETATION

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- High Effect
  Good Chargeability mV/V, IP effect
  High Apparent Resistivity, rho

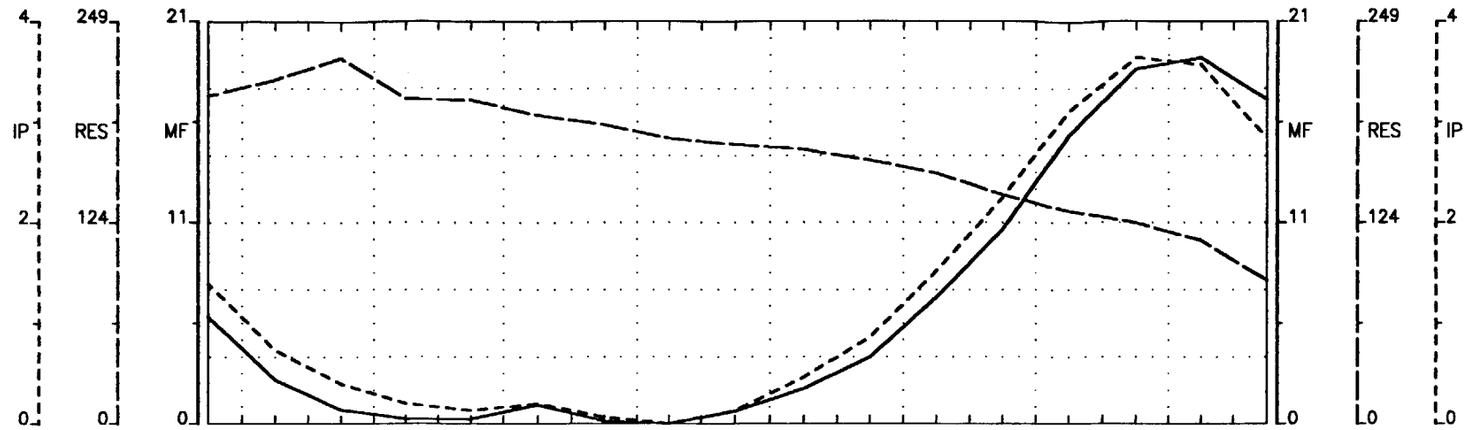
Scale 1:5000

50 0 50 100 150 200 250 300
(meters)

Canadian Golden Dragon Resources

Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

Phase III Fall Grid
GEOSERVE CANADA INC Dec. 1997.



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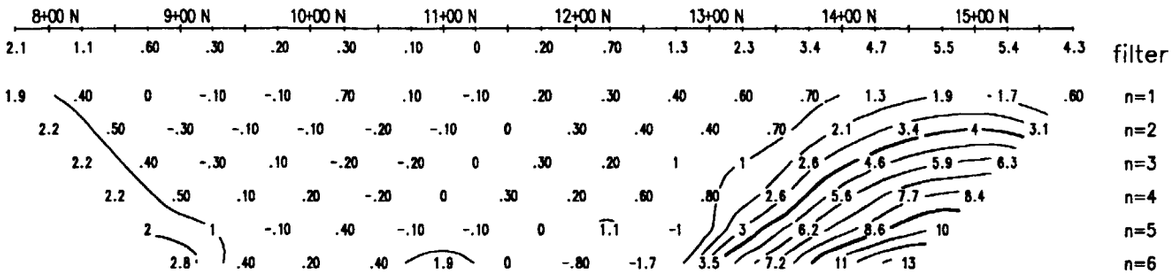
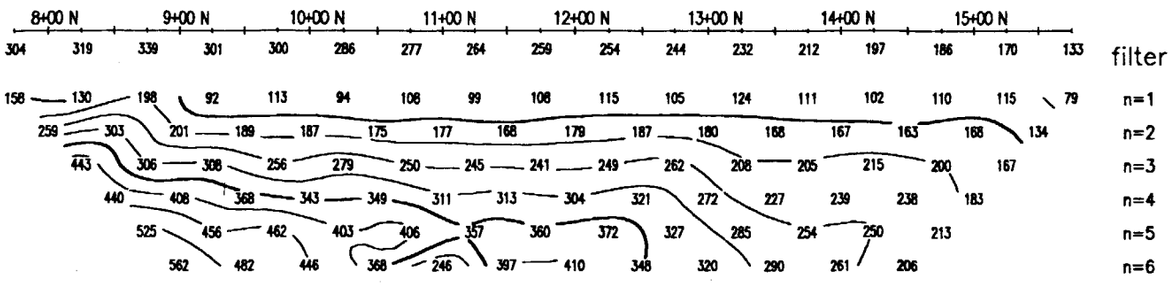
Interpretation



Chargeability
mV/V

Interpretation



Resistivity
ohm/meters

Topo

Interpretation

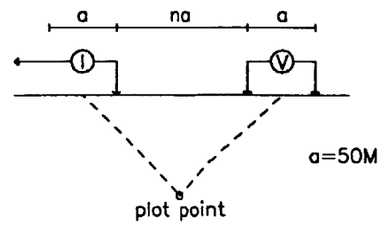
Chargeability
mV/V

Interpretation

Resistivity
ohm/meters

L 30+00W

Pole-Dipole Array



Filter

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	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	– – – – –
Chargeability ;	1.0 mV/V	– – – – –
Metal Factor ;	1 %	————

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
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INTERPRETATION

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  Low Apparent Resistivity, rho
- Moderately Low Effect
- Moderately High Effect
- High Effect
  Good Chargeability mV/V, IP effect
  High Apparent Resistivity, rho

Scale 1:5000

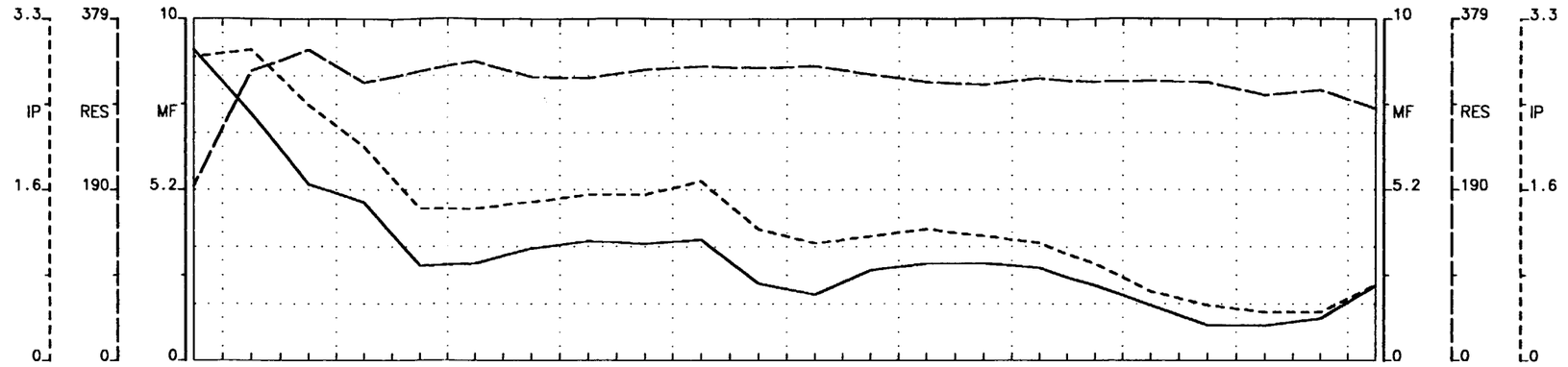
50 0 50 100 150 200 250 300
(meters)

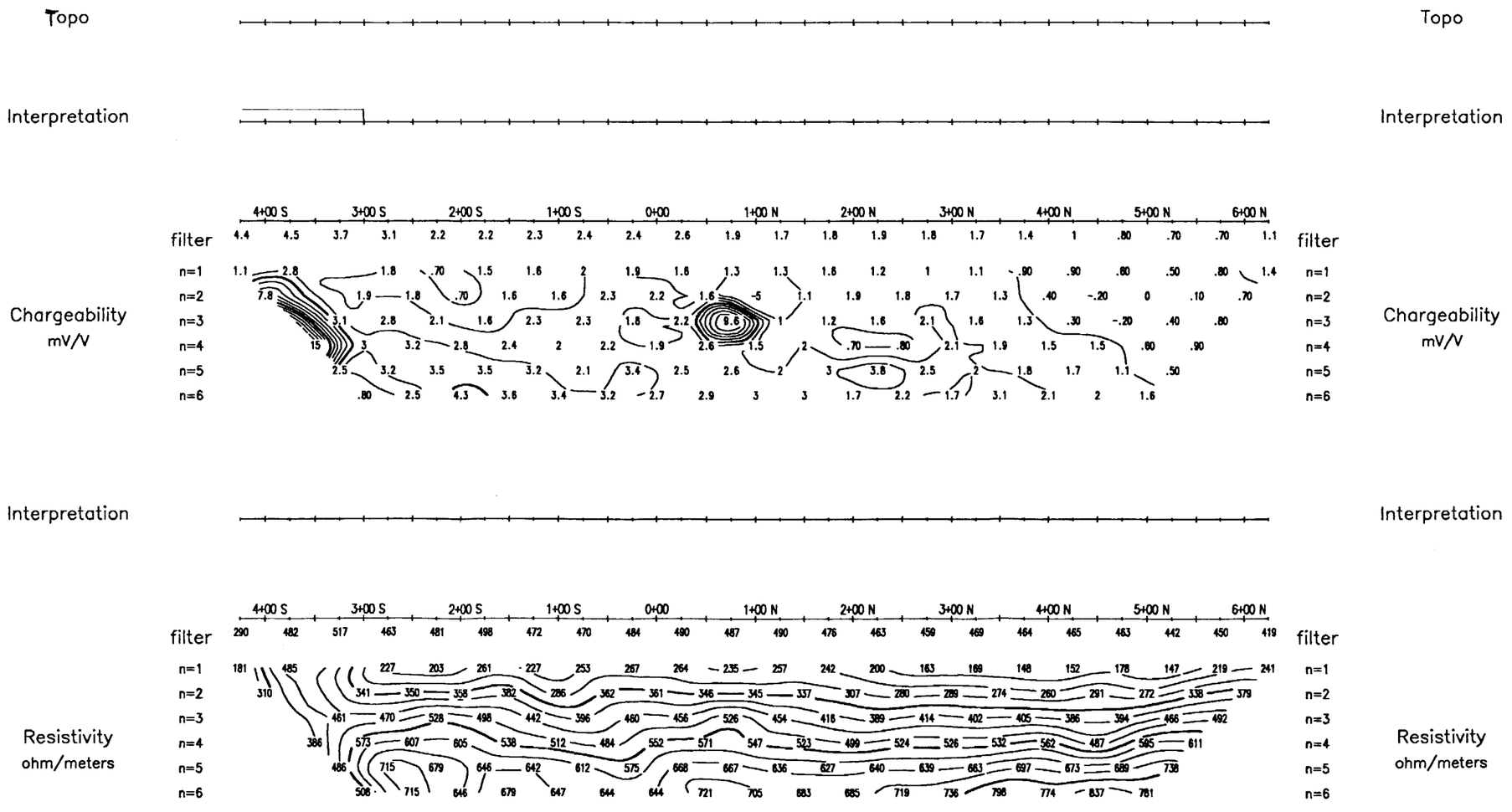
Canadian Golden Dragon Resources

Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

Phase III Fall Grid
GEOSERVE CANADA INC Dec. 1997.

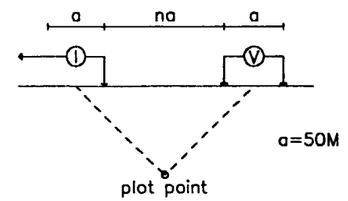
600





L 31+00W

Pole-Dipole Array



Filter

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	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	– – – – –
Chargeability ;	1.0 mV/V	– – – – –
Metal Factor ;	1 %	----------

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
1760mSec Total Intergration Time, 80mS Delay.
MT= (80+80+80+80+160+160+160+320+320+320) mSec
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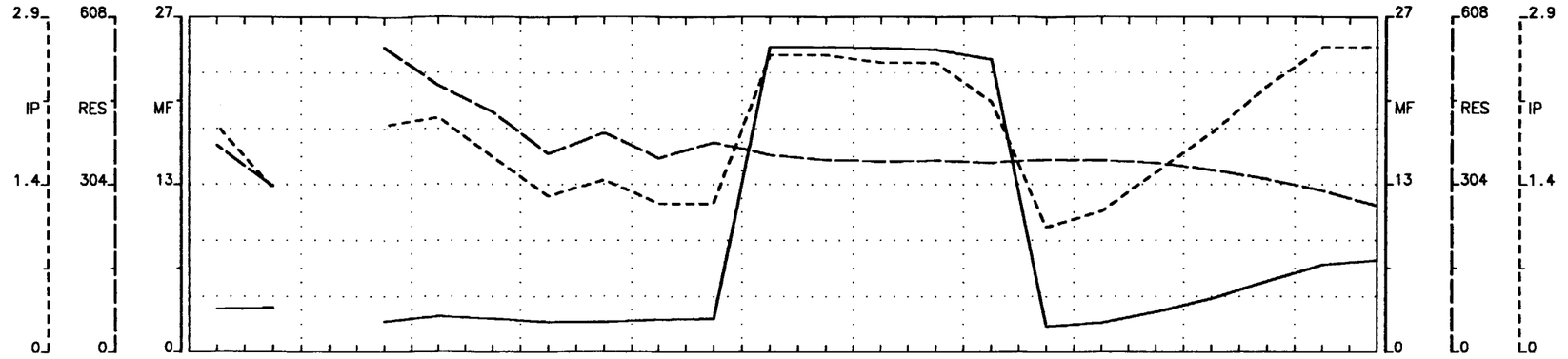
Scale 1:5000

50 0 50 100 150 200 250 300
(meters)

Canadian Golden Dragon Resources

Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

Phase III Fall Grid
GEOSERVE CANADA INC Dec. 1997.



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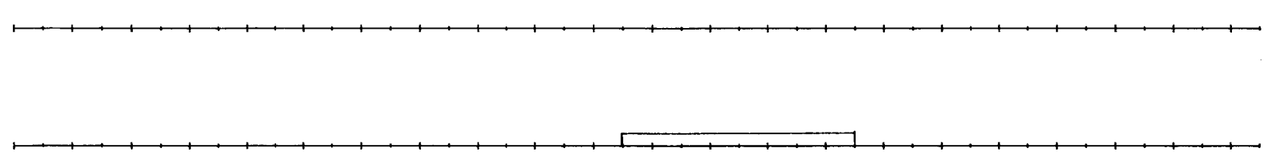
Interpretation



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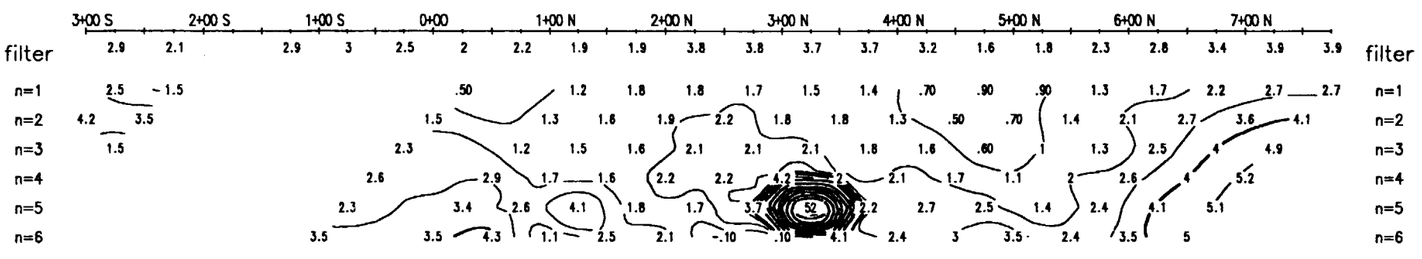
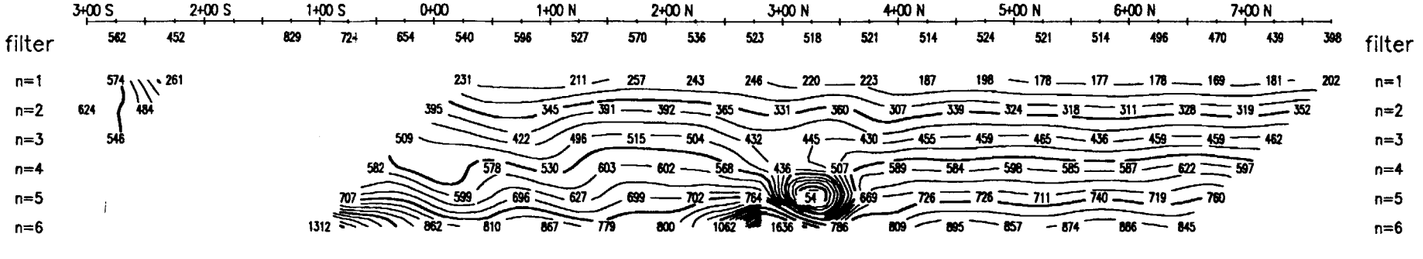


Chargeability
mV/V

Chargeability
mV/V

Interpretation

Interpretation

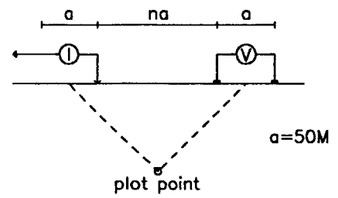


Resistivity
ohm/meters

Resistivity
ohm/meters

L 32+00W

Pole-Dipole Array



Filter

	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	– – – –
Chargeability ;	1.0 mV/V	– – – –
Metal Factor ;	1 %	————

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
1760mSec Total Intergration Time, 80mS Delay.
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INTERPRETATION

- Low Effect
  Poorly Chargeable mV/V, IP effect
  Low Apparent Resistivity, rho
- Moderately Low Effect
- Moderately High Effect
- High Effect
  Good Chargeability mV/V, IP effect
  High Apparent Resistivity, rho

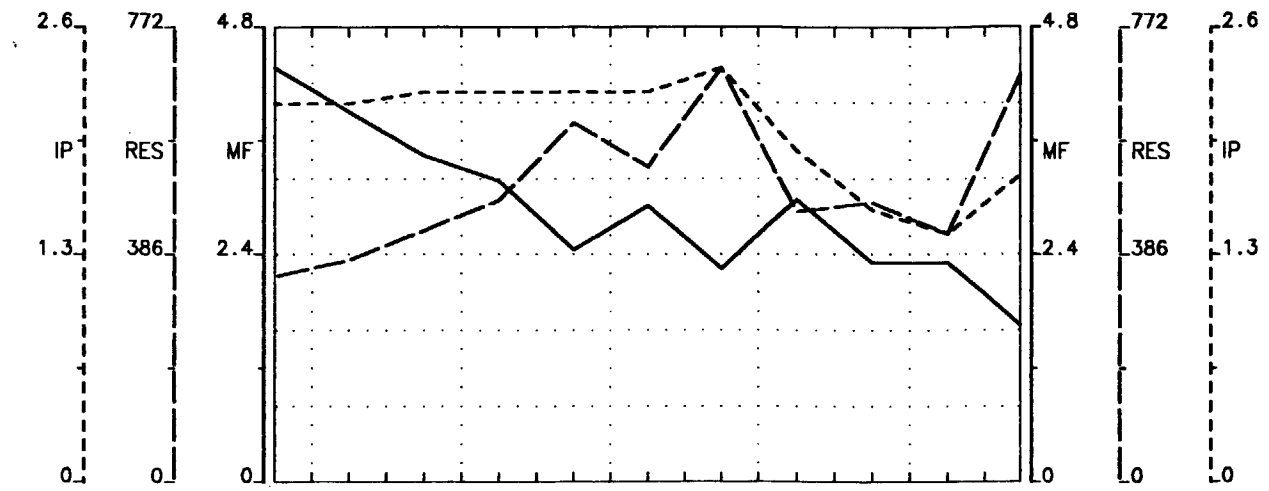
Scale 1:5000

50 0 50 100 150 200 250 300
(meters)

Canadian Golden Dragon Resources

Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

Phase III Fall Grid
GEOSERVE CANADA INC Dec. 1997.



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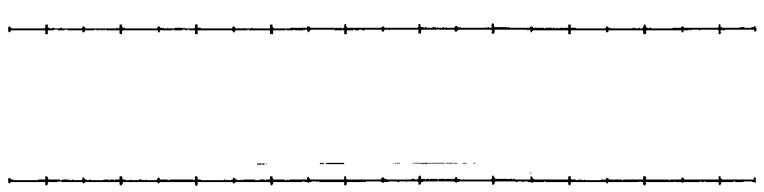
Interpretation



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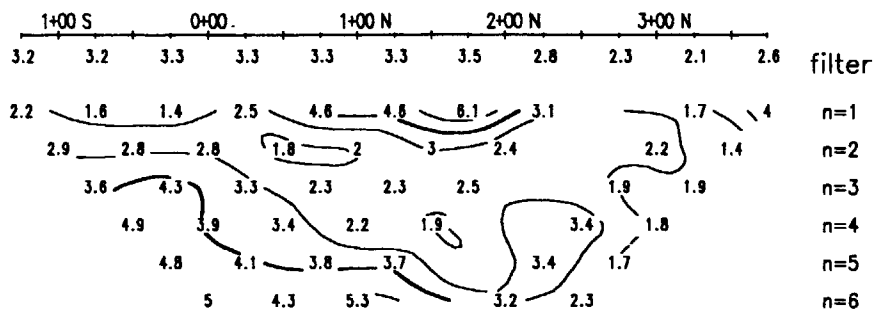
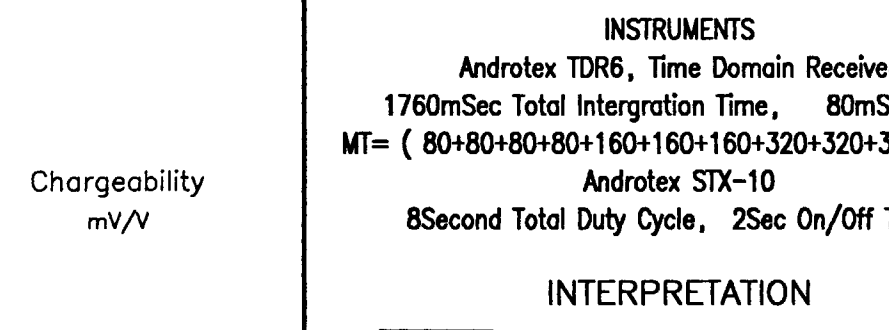
Interpretation

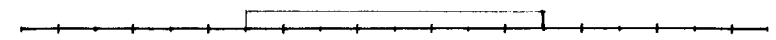


Chargeability
mV/V

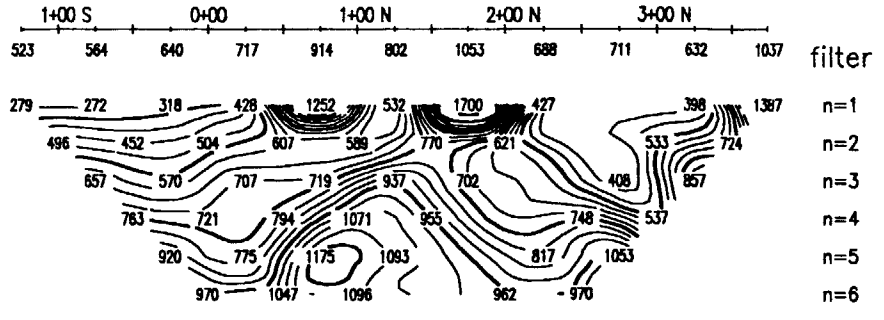


Chargeability
mV/V

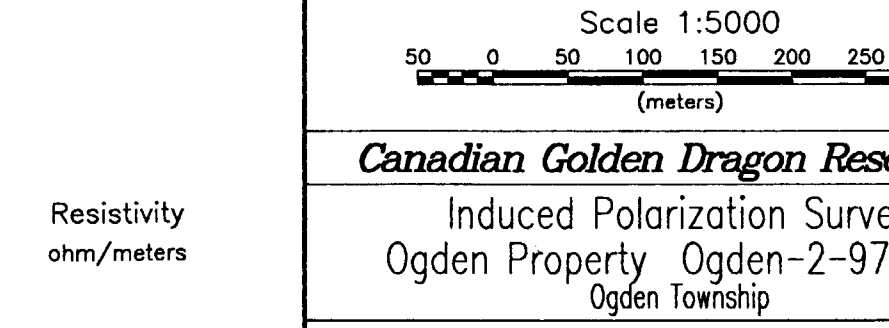
Interpretation



Interpretation



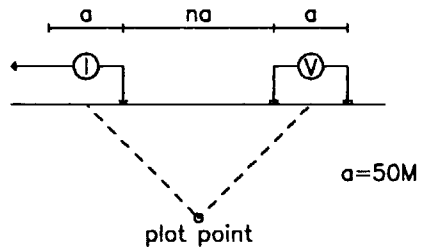
Resistivity
ohm/meters



Resistivity
ohm/meters

L 36+00W

Pole-Dipole Array



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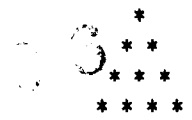


	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	-- -- -- --
Chargeability ;	1.0 mV/V	- - - - - -
Metal Factor ;	1 %	----------

INSTRUMENTS

Androtex TDR6, Time Domain Receiver
1760mSec Total Intergration Time, 80mS Delay.
MT= (80+80+80+80+160+160+160+320+320+320) mSec
Androtex STX-10
8Second Total Duty Cycle, 2Sec On/Off Time.

INTERPRETATION

- Low Effect
  Poorly Chargeable mV/V, IP effect
  Low Apparent Resistivity, rho
- Moderately Low Effect
- Moderately High Effect
- High Effect
  Good Chargeability mV/V, IP effect
  High Apparent Resistivity, rho

Scale 1:5000

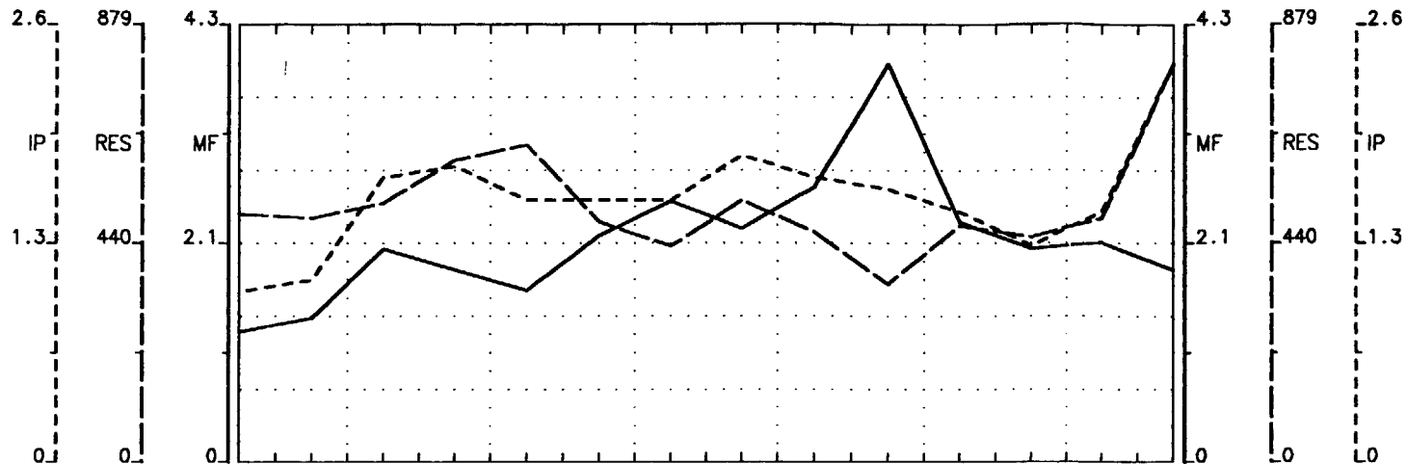
50 0 50 100 150 200 250 300
(meters)

Canadian Golden Dragon Resources

Induced Polarization Survey
Ogden Property Ogden-2-97 Grid
Ogden Township

Phase III Fall Grid
GEOSERVE CANADA INC Dec. 1997.

630

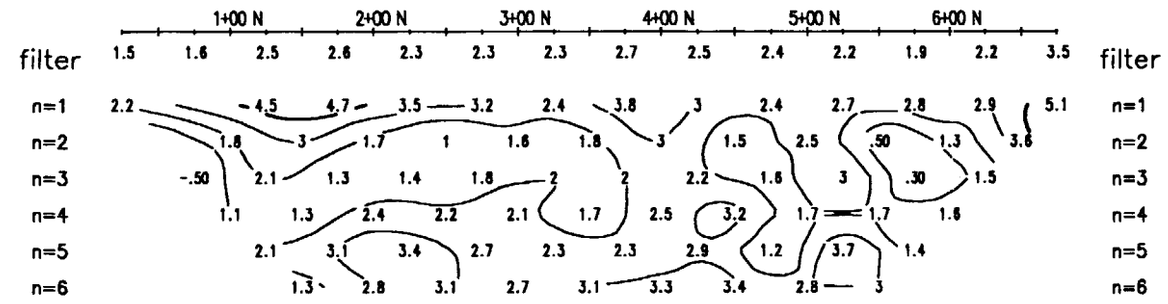


Topo

Interpretation

Topo

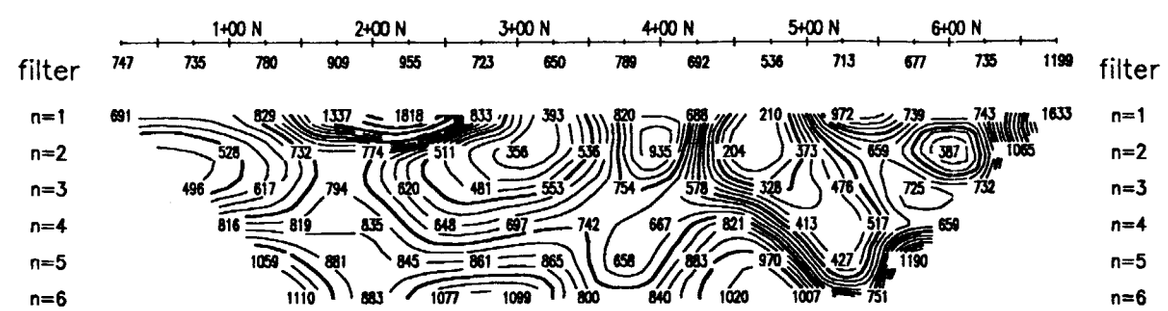
Interpretation



Chargeability
mV/V

Interpretation

Interpretation

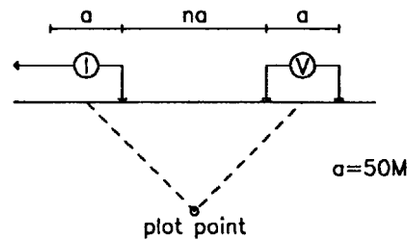


Resistivity
ohm/meters

Interpretation

L 38+00W

Pole-Dipole Array



Filter

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	Cont. Intervals	Profiles
Resistivity ;	50 ohm/meter	-- -- -- --
Chargeability ;	1.0 mV/V	- - - - - -
Metal Factor ;	1 %	----------

INSTRUMENTS

Androtex TDR6, Time Domain Receiver

1760mSec Total Intergration Time, 80mS Delay.

MT= (80+80+80+80+160+160+160+320+320+320) mSec

Androtex STX-10

8Second Total Duty Cycle, 2Sec On/Off Time.

INTERPRETATION

Low Effect
Poorly Chargeable mV/V, IP effect
Low Apparent Resistivity, rho

Moderately Low Effect

Moderately High Effect

High Effect
Good Chargeability mV/V, IP effect
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50 0 50 100 150 200 250 300

(meters)

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