

MAP No.

115 0 14

ASSESSMENT REPORT
PROSPECTUS
CONFIDENTIAL
OPEN FILE



DOCUMENT NO.: 091754
MINING DISTRICT: DAWSON
TYPE OF WORK: GEOPHYSICAL

REPORT FILED UNDER: ARBOR RESOURCES INC. AND KANGELD RESOURCES LTD.

DATE PERFORMED: June 2 - Dec. 16/86 DATE FILED: April 24, 1987

LOCATION	LAT.	63°54'N	AREA:	BONANZA CREEK
	LONG.	139°19'W		

CLAIM NAME & NO.	"83" 1-40	YA79509-548	DE 1-14	YA55250-263
	"98" 1-60	YA79549-608	AC 1-12	YA64270-281
	SYNDICATE 1-83	YA79198-280	AC 12-35	YA65627-650
	RON 1-40	YA10300-339	RJ 1-32	YA64216-247
VALUE \$	170,639.48		RJ 39-60	YA65595-616

WORK DONE BY: P.E. WALCOTT AND ASSOC. LTD.; MARK MANAGEMENT LTD.

WORK DONE FOR: ARBOR RESOURCES INC. AND KANGELD RESOURCES LTD.

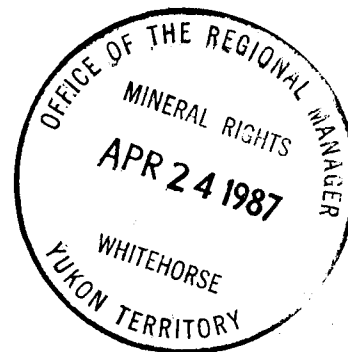
DATE TO GOOD STANDING	REMARKS:
	#90 DAWSYND, #38 LONESTAR

RJ 62-63 YA65618-619
RJ 65-70 YA65621-626
RON 1-40 YA10300-039
CIM 1-4 YA64519-522
REX 1-51 YA84183-233
DN 1-2 YA32783-784
DN 3-9 YA47890-896
DN 10 YA47082
DN 11-26 YA32946-961
DN 27-31 YA47083-087
DN 32-33 YA47604-605
DN 1F-2F YA47090-091
DN F YA47088
ND 1-22 YA49724-745
ND F YA47089
VI 1-15 YA55285-299
VI 16 YA65523
VI 18 YA65525
VI 43-44 YA65550-551

CROWN GRANTS

VICTORIA
PORPHYRY LODE
YANKEE GIRL
ESTER EDNA
ARGYLE
NEW BONANZA
NIOBE FRACTION
LONE STAR
ZULU CHIEF
NEW BONANZA NO. 2
SWASTIKA
UDAS
CATO
THISTLE

PETER E. WALCOTT & ASSOC. LTD.



A REPORT

ON

MAGNETIC AND INDUCED POLARIZATION SURVEYING

Dawson Area, Yukon Territory
63° 54'N, 139° 19'W
N.T.S. 115 O/14

Claims surveyed: "83" 17-20,22-25,27-30,32-35,37-39
"98" 2-60
SYNDICATE 33,41,42,49,50,57-59,65-67,
71-73,77
RON 5,7,9,11,13,15,17,19,21,35-40
RJ 22,31,32
DN 11-22,F
ND 1-6,10-16,F
DE 9-13
LOT #'s 104,105,106,408,409,410,411,
533,535,536

Survey Dates: June 2nd - December 16th, 1986

FOR

Operator: ARBOR RESOURCES INC.
KANGELD RESOURCES LTD.
Vancouver, B.C.

Owner: W. T. Dawson
Dawson Eldorado Ltd.

by

PETER E. WALCOTT & ASSOCIATES LTD.
Vancouver, B.C.

FEBRUARY 1987

09 17 54

GEOPHYSICAL SERVICES

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 170,639.48 .

D. A. Edmund

for Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

TABLE OF CONTENTS

	Page No.
INTRODUCTION.....	1
PROPERTY, LOCATION & ACCESS.....	2
PREVIOUS WORK	4
PURPOSE	5
GEOLOGY.....	6
SURVEY SPECIFICATIONS	8
DISCUSSIONS OF RESULTS	10
SUMMARY & CONCLUSIONS	15

APPENDIX

COST OF SURVEY	i
PERSONNEL EMPLOYED ON SURVEY	ii
CERTIFICATION	iii
I.P. PSEUDO-SECTIONS - LEGEND	iv

ACCOMPANYING MAPS

MAP POCKET

CLAIM & GRID LOCATION MAP ... 1:50,000	
I.P. PSEUDO-SECTIONS (reduced) ... 1:2500	
CONTOURS OF TOTAL FIELD INTENSITY ... 1:5,000	
Main Grid	W-393-1 - 3
Lonestar Grid	W-393-12
COMPILATION MAP 1:10,000	W-393-17 & 18

INTRODUCTION.

Between June 2nd and December 16th, 1986, Mark Management Ltd. and Peter E. Walcott & Associates Limited carried out ground magnetic and induced polarization surveying on various portions of four grids established on parts of a large property, located in the Dawson area of the Yukon Territory, for Arbor Resources Inc. and Kangel Resources Ltd.

Measurements of the total intensity of the earth's magnetic field were taken at 25 metre intervals on the lines surveyed using Geometric G-816 and/or GSM 8 proton magnetometers.

The dipole-dipole technique was used on the induced polarization survey. Measurements (first to fourth separation) of apparent chargeability - the I.P. response parameter - and resistivity were made with a 25 metre dipole along the lines selected.

The magnetic results are presented in contour form on plan maps of the grids W-393-1 to 3 and 12 - whereas the I.P. data are presented in pseudo-section form on individual line profiles that accompany this report. In addition the second separation chargeability readings are plotted on plan maps of the line grid for comparison with geology and drill hole correlation - Map W-393-17 & 18.

PROPERTY, LOCATION & ACCESS

The property is located in the Dawson Mining District of the Yukon Territory, and consists of the following claims:

<u>CLAIM</u>	<u>GRANT NO.</u>	<u>ANNIVERSARY</u>
"83" 1-40	YA79509-548	Dec. 1st
"98" 1-60	YA79549-608	Dec. 5th
SYNDICATE 1-83	YA79198-280	Sept. 15th
RON 1-40	YA10300-339	Dec. 31st
DE 1-14	YA55250-263	Dec. 31st
AC 1-12	YA64270-281	Dec. 31st
AC 12-35	YA65627-650	Dec. 31st
RJ 1-32	YA64216-247	Dec. 31st
RJ 39-60	YA65595-616	Dec. 31st
RJ 62-63	YA65618-619	Dec. 31st
RJ 65-70	YA65621-626	Dec. 31st
RON 1-40	YA10300-039	Dec. 31st
CIM 1-4	YA64519-522	Dec. 31st
REX 1-51	YA84183-233	Dec. 31st
DN 1-2	YA32783-784	Dec. 31st
DN 3-9	YA47890-896	Dec. 31st
DN 10	YA47082	Dec. 31st
DN 11-26	YA32946-961	Dec. 31st
DN 27-31	YA47083-087	Dec. 31st
DN 32-33	YA47604-605	Dec. 31st
DN 1F-2F	YA47090-091	Dec. 31st
DN F	YA47088	Dec. 31st
ND 1-22	YA49724-745	Dec. 31st
ND-F	YA47089	Dec. 31st
VI 1-15	YA55285-299	Dec. 31st
VI 16	YA65523	Dec. 31st
VI 18	YA65525	Dec. 31st
VI 43-44	YA65550-551	Dec. 31st

CROWN GRANTED CLAIMS

LOT NO.

VICTORIA	86
PORPHYRY LODGE	104
YANKEE GIRL	105
ESTER EDNA	106
ARGYLE	223
NEW BONANZA	408

PROPERTY, LOCATION & ACCESS cont'd

NIOBE FRACTION	409
LONE STAR	410
ZULU CHIEF	411
NEW BONANZA NO. 2	424
SWASTIKA	533
UDAS	534
CATO	535
THISTLE	536

These are situated along the valleys of Bonanza and Eldorado creeks some fourteen kilometres south southeast of the town of Dawson.

Access is obtained by means of four wheel drive vehicle along the Bonanza-Eldorado creek road.

PREVIOUS WORK

Work was first believed to have been carried out on the property during the Klondike gold rush of 1897-98, the colourful history of which has been documented by many.

Recently Arbor Resources Inc. and Kangel Resources Ltd. conducted an airborne electromagnetic and magnetic survey over part of the property, the results of which are documented in reports held by the companies.

PURPOSE.

The purpose of the main magnetic survey was to define the long linear airborne magnetic low that was observed trending through the property in a general northerly direction. Based on a hydrothermal model it was thought that quartz vein type deposits associated with Tertiary igneous activity along pre-Tertiary shears could be the source of the placer gold in the Klondike, hence the interest in the linear magnetic feature.

The I.P. traverses were carried out to in an effort to outline areas of disseminated pyrite mineralization believed to be associated with gold emplacement.

GEOLOGY.

General. The Klondike district was first mapped by Bostock (1942), and more recently by Metcalfe (1981) and Debicki (1985 and 1984). Bedrock in the Klondike area is generally grouped into five major units which are, from oldest to youngest, the Nasina Series, the Klondike Series, the Moosehide Assemblage, early Tertiary volcanics/volcanoclastics and Tertiary intrusives.

Rocks of the Nasina Series consist of graphitic schists, graphitic quartzites and siliceous marbles with minor chlorite schists and muscovite schists. These rocks have been metamorphosed to grades ranging from upper greenschist to middle amphibolite facies, and may represent metamorphosed outer shelf sediments of the ancient North American continent.

Most rocks exposed in the Klondike district predominantly belong to the Klondike Series. These are quartzofeldspathic schists containing varying amounts of chlorite, muscovite, and sericite. They have undergone upper greenschist to middle amphibolite grade metamorphism and at least four separate deformational events. This series appears to represent metamorphosed interbedded sediments and rhyolitic to andesitic tuffs. The contact between schists of the Klondike series and graphitic schists of the Nasina series is sheared, and suggests that the Klondike series represents an allocthonous assemblage which has been thrust over Nasina shelf strata. To the west the Klondike schists are in contact with a blocky weathering, granitic textured, biotite-quartz-feldspar rock which does not appear as highly metamorphosed as the Klondike schists. Thin section studies of these rocks indicate that they were originally medium to coarse grained plutonic rocks of granodioritic to quartz diorite composition, and may represent the magmatic source for those tuffs now comprising the Klondike Series.

Structurally overlying rocks of the Klondike and Nasina series are occurrences of greenstone and altered ultramafics belonging to the Moosehide Assemblage. Included in the ultramafic unit are a great variety of rock types including massive, partially serpentized peridotite (harzburgite), massive to sheared serpentinite, silicarbonate altered serpentinite, and talc-carbonate schist. Massive greenstone and strongly altered,

fine to medium grained diabase, are exposed in several steep bluffs in the vicinity of Dawson. These rocks are unfoliated and form part of a slab of greenstone and serpentinite that underlies the southwestern slope of the Midnight Dome east of Dawson. Occurrences of greenstone and ultramafic rocks are commonly found along the sheared contact between the Klondike and Nasina series rocks. They are thought to represent exotic slices of uncertain origin structurally emplaced during the thrust faulting.

Gently folded andesitic volcanics and clastic sediments are present in the Last Chance Creek area. These rocks were considered to be early Tertiary in age; however, recent work on similar rocks in the Indian River area suggests that these rocks are middle Cretaceous in age. Intrusive rocks are present as numerous dykes and sills ranging in nature from diabase to rhyolite. Larger Tertiary intrusive bodies are rare in the Klondike except for a rhyolite porphyry stock that outcrops along Hunker Creek. Isotopic dating (Debicki) indicates that the porphyry is approximately 50 to 60 million years old.

Main Grid. The "Main" grid lies along and adjacent to Bonanza and Eldorado creek, which are considered to be the surface expression of underlying fault structures. Drilling along this trend encountered numerous shears and fault offsets, commonly accompanied by highly magnetic diabase dykes. Much of the faulting progressed within or adjacent to thin graphitic beds which are interbedded with Klondike Series muscovitic schists along the valley. Along Eldorado Creek near Oro Grande and Gay Gulches a more quartzitic variety of the muscovite schists was encountered.

Lone Star Grid. The "Lone Star" grid overlies chlorite and muscovite schists and quartzites belonging to the Klondike Series of rocks. Diamond drilling within the schists intersected zones of sulfide enrichment, commonly to 5% of total rock, and locally to 10%. Sulfide enrichment is more common in the chloritic phases. Interpretation of structural features in the area indicates that the schists are folded into a broad anticline, with the hinge trending along the ridge between Upper Bonanza and Eldorado Creeks. Several north-trending, magnetite bearing, quartz-feldspar porphyry dykes cut the schists within the grid. These dykes likely occupy old fault zones. Rotary drilling near the grid intersected several magnetite bearing diabase dykes of unknown orientation, but thought to be related to the fault system as described in the "Main" grid.

SURVEY SPECIFICATIONS.

The magnetic surveys were carried out using proton precession magnetometers manufactured by either EG & G Geometrics of Sunnyvale, California and/or GSM 8 ones produced by GEM Systems Inc. of Don Mills, Ontario. These instruments measure variations in the earth's magnetic field to an accuracy of plus or minus 1 gamma. Corrections for diurnal variations were made by comparison with readings obtained on a base magnetometer manufactured by EDA Instruments of Metropolitan Toronto, Ontario.

The initial induced polarization (I.P.) survey (July) was carried out using a pulse type system, the principal components of which are manufactured by Hunttec Limited and Phoenix Geophysics Limited of Metropolitan Toronto, Ontario.

The system consists basically of three units, a receiver (Hunttec), a transmitter and a motor generator (Phoenix). The transmitter, which provides a maximum of 2.0 kw d.c. to the ground, obtains its power from a 2.0 kw 400 c.p.s. three phase alternator driven by a gasoline engine. The cycling rate of the transmitter is 2 seconds "current-on" and 2 seconds "current-off" with the pulses reversing continuously in polarity. The data recorded in the field consists of careful measurements of the current (I) in amperes flowing through the current electrodes C_1 and C_2 , the primary voltage (V) appearing between the two potential electrodes, P_1 and P_2 , during the "current-on" part of the cycle, and the apparent chargeability (M.) presented as a direct readout using a 200 millisecond delay and a 1000 millisecond sample window by the receiver, a digital instrument controlled by a microprocessor.

The apparent resistivity (P.) in ohm metres is proportional to the ratio of the primary voltage and the measured current, the proportionality factor depending on the geometry of the array used. The chargeability and resistivity are called apparent as they are values which that portion of the earth sampled would have if it were homogeneous. As the earth sampled is usually inhomogeneous the calculated apparent chargeability and resistivity are functions of the actual chargeability and resistivity of the rocks.

The survey was carried using the "dipole-dipole"

electrode array. This electrode configuration and method of presenting the results are illustrated on the accompanying pseudo-sections. Depth penetration with this array is increased or decreased by increasing or decreasing "a" and/or "n".

In practise, the equipment is set up at a particular station of the line to be surveyed; three transmitting dipoles are laid out to the rear, measurements are made for all possible combinations of transmitting and receiving dipoles up to the fourth separation, i.e. "n" = 4; the equipment is then moved 3"a" metres along the line to the next set-up.

A 25 metre dipole was employed on this survey, and first to fourth separation readings were obtained at 25 metre intervals along the line.

On the main survey in October the bulk of the I.P. work was done using an EDA IP-2 microprocessor controlled receiver with a fixed delay time of 160 milliseconds and an integration time of 1580 milliseconds.

In all some 150.1 kilometres of magnetic surveying and some 57.8 kilometres of induced polarization surveying were carried out using the above methods.

DISCUSSION OF RESULTS.

Magnetic Surveys.

Main Grid. The 1984 airborne magnetic survey showed a series of "low" noses with occasional closed contours trending approximately N 30° W from French Gulch to as far north as the confluence of Bonanza and Eldorado creeks and thence northwards for a further six kilometres or so.

This feature(s) was conceived to be representative of possible hydrothermal conduits, and thus grids were put in to define this magnetic feature(s) on the ground with a further grid to the south to seek a possible extension as identified on the government high level aeromagnetic map.

The results as seen on Map W-393-2 & 3 showed the airborne low to break up into a series of discontinuous narrow magnetic lows that lacked definition in places - partially due to cultural magnetic effects from the numerous buried and otherwise scattered metallic objects left behind by previous workers and/or inhabitants - and were suggestive of shallow lying (suboutcropping) causative sources.

Further study revealed that one such magnetic anomaly occurred over an outcropping diabase dyke, showing the latter to exhibit reverse polarization i.e. its remanent magnetization acquired during cooling through the Curie point is south seeking down - dip needle - and has a greater intensity than the induced magnetization which is northseeking down, thus the resultant is south seeking down with a resulting negative magnetic anomaly. Thus the magnetic low was interpreted to be due to a diabase dyke which has presumably sealed one of the shear zones paralleling Eldorado creek.

A second parallel series of lows, caused by a second such dyke is discernible on the east bank of Eldorado creek - Map W-393-2. This was not readily apparent from the airborne results where data suffered inadequacies due to problems with maintaining proper terrain clearance for its sensor when flying over the steep valleys.

A third low of limited strike length was observed

overlying Eldorado creek.

Suggestions of cross faulting can be seen from apparent offsets in the dykes.

Lack of coverage where the two grids meet as well as cultural interference near the junction of Bonanza and Eldorado creeks lead to lack of definition of the dyke(s) there, but it is conceivable that the eastern dyke could be offset westwards to become that on Map W-393-3 by a fault along Bonanza creek. Further work would be needed in this area to confirm this but it should be proven or refuted by the low level high sensitivity magnetic survey flown last January, the results of which are still pending.

The dyke, as interpreted on Map W-393-3, underlies Bonanza creek for a while.

The westerly dyke appears to splay around French Gulch. Unfortunately the coverage was not extended to outline this development.

Several isolated individual lows were observed on Map W-393-1 but none were continuous enough to be suggestive of a similar dyke.

Drilling to date along the dyke has confirmed its existence but failed to confirm that of gold mineralization.

Lonestar Grid. The magnetic results here were essentially flat with a few isolated magnetic lows. No magnetite bearing diabase dykes of the type encountered in the Eldorado creek fault system occur on the grid.

I.P. Surveys.

French Gulch Three short traverses were undertaken here on Lines 23S, 26S and a line down the creek between the two. Two zones of graphitic material, as confirmed by outcrops and diamond drilling, characterized by high chargeabilities and low resistivities are clearly discernible trending across the lines.

A third possible anomalous zone occurs on Line 23S

between 7+00 and 7+50W associated with higher resistivity readings.

A fault (shear zone) trending across the grid from 8+75W on Line 26S to 8+25W on Line 23S is indicated by a series of resistivity lows with little if any chargeability effects.

Two zones of interpreted graphitic material based on similar characteristics are clearly visible from the results on Line 37S around Nugget Gulch.

Lonestar The I.P. results showed the area surveyed to exhibit a low chargeability background - 2 to 4 millivolts per volt - over which several anomalous and possible anomalous zones are clearly discernible as illustrated on the individual pseudo sections and on Map W-393-17 where the contoured results of the second separation chargeability measurements are shown.

The strongest readings were obtained in a complex zone(s) over the Lonestar workings from Line 0 to Line 2+40W as outlined by the 7 millivolt per volt contour on Map W-393-17. These were tested by diamond drilling and appeared to be caused by sulphide enrichment of greater than 5% in the underlying schists.

Two other zones - again outlined by the 7 millivolts per volt contour - occur at the western extremities of the grid on Line 1+20W and 8+40E and are undelineated to the west. However the magnitude of their readings to date are not as great as over the main zone.

The resistivity survey showed the rocks underlying the grid to exhibit apparent resistivities in the 500 to 4000 ohm metre range.

Two broad resistivity low zones - resistivities less than 1000 ohm metres - are apparent, trending approximately N 30°W across the grid between Lines 3+60W and 8+10W and Lines 3+60E and 2+40W respectively.

A similar trend can be obtained by joining the chargeability zone on Line 8+40E to the strong central anomaly as suggested by the chargeability contours.

Lower resistivity readings - less than 2000 ohm metres

- were also obtained over the main anomalous zone. In fact the slightly higher resistivity readings to the west could be representative of the quartzite unit.

Higher chargeability readings were also obtained on the extended lines to the west - Lines 3+60W and 8+10W - in the vicinity of Gay Gulch. Again the readings were not as strong as those obtained over the main zone.

Background chargeability readings of 2 to 4 milliseconds were obtained over the 500 metres surveyed on Line 47S between 4W and 9W. No higher resistivity readings were associated with the mapped quartzite between 7+50W and the end of the line.

The Main Grid. Lines 10S - 35N. The survey here basically consisted of long traverses on lines 500 metres apart. The results showed the area to exhibit low chargeability background above which several zones of higher chargeability were clearly evident - as illustrated on the accompanying pseudo sections and Maps W-393-17 & 18 where the readings of the second separation chargeability measurements were plotted.

These anomalous zones exhibit one of two characteristics namely (a) high chargeability and low resistivity as per those on the French Gulch grid and apparently representative of graphitic material, and (b) moderate chargeability and little if any resistivity contrast as similar to those on the Lonestar grid.

Two of the latter type, the zone centred around 6+25E on Line 15N and the one centred circa 15E on Line 10S and undefined to the east, have been tested by drilling, and appear to be attributable to low grade sulphides with no associated gold values, unlike those on the Lonestar grid where a higher sulphide content along with associated gold values was obtained in some drill holes.

One of the former type, that on Line 25N circa 10+50W, was also drilled with resulting graphitic material intersections.

Three zones of the second kind remain unexplained to date:

1. The shallow eastward dipping anomaly - pant leg effect

- centred around 3+50W on Line 20N.

2. The broad chargeability anomalies lying adjacent to the west of indicated graphitic horizons on Lines 15N and 20N respectively around 10+50W where no readily apparent conductive material is seen, although the writer expects the causative source to be less conductive graphitic material.
3. The anomalies obtained on the western edges of Line 30W and 35W where again moderate chargeability values with no accompanying change in conductivity are observed.

The resistivity survey results showed resistivity lows to be associated with Bonanza and Eldorado creeks suggesting faulting although graphitic material was thought to be responsible for the low over Bonanza creek on Line 10N.

A resistivity low was also associated with the diabase dyke on Lines 0, 5S & 10S at 6+12W, 7+50W and 8+00W respectively.

SUMMARY AND CONCLUSIONS.

Between June 2nd and December 16th, 1986, Mark Management and Peter E. Walcott & Associates Limited conducted limited magnetic and induced polarization surveying over various parts of a large property in the Dawson area, Yukon Territory, optioned by Arbor Resources Inc. and Kangel Resources Ltd.

The magnetic survey outlined the presence of two narrow long linear reversely polarized diabase dykes associated with the Bonanza-Eldorado fault structures. No similar structures were detected on the Lonestar grid.

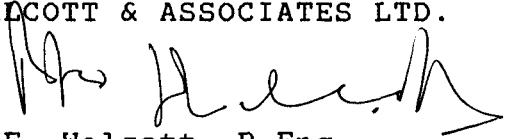
The I.P. survey detected several anomalous chargeability zones of essentially two different characteristics - namely (a) high chargeability - low resistivity and (b) moderate chargeability - little or no resistivity contrast - over a relatively low flat background.

Drilling investigation to date on some of these has confirmed those with the former characteristics to be mostly attributable to graphitic material, and those exhibiting the latter to low grade sulphide mineralization, although in varying amounts with accompanying gold values only in the Lonestar area where the gold appears to be concentrated in a specific horizon in the underlying quartz muscovite schist.

Further study of the geochemistry, geology, geophysics and drill results to date should be undertaken along with those of the January airborne survey before initiation of further geophysical work on the property.

Respectfully submitted,

PETER E. WALCOTT & ASSOCIATES LTD.


Peter E. Walcott, P.Eng.
Geophysicist

Vancouver, B.C.

February 1987

PETER E. WALCOTT & ASSOC. LTD.

A P P E N D I X

GEOPHYSICAL SERVICES

AOR/DEL 1986
2 JUNE-16 DEC
GENERAL COSTS

<u>FOOD & ACCOMMODATION, 331 MAN DAYS @ \$27.58</u>		\$ 9,128.12
<u>FIXED WING</u>		2,482.60
<u>SUPPLIES</u>		4,996.34
<u>FUEL</u>		2,545.49
<u>TELEPHONE SERVICES</u>		411.24
<u>FEES</u>		1,395.17
<u>SHIPPING</u>		4,674.02
<u>RENTALS</u>		
AIRWAYS 4WD PU, 95 DAYS @ \$43	\$ 4,085.00	
AIRWAYS 4WD BLAZER, 96 DAYS @ \$43	4,128.00	
EZEKIEL FIELD EQUIPMENT 348 MAN DAYS @ \$6	<u>2,088.00</u>	10,301.00
<u>MAINTENANCE</u>		167.90
<u>DRAFTING</u>		1,289.81
<u>CONSULTANT FEES</u>		
ARCHEAN ENGINEERING LTD.	\$ 9,375.00	
ADDER EXPLORATION & DEVELOPMENT LTD.	<u>5,932.79</u>	<u>15,307.79</u>
<u>TOTAL GENERAL COSTS</u>		\$ 52,699.48 =====

LINE-CUTTING, FLAGGING, SURVEYING COST

<u>SALARIES & WAGES</u>		
P. GRUNENBERG, 7 DAYS @ \$163.34	\$ 1,143.38	
S. TOMLINSON, 17 DAYS @ \$120.20	2,043.40	
J. BOSHER, 10 DAYS @ \$115.39	1,153.90	
E. TIMOSHENKO, 12 DAYS @ \$92.31	<u>1,107.72</u>	\$ 5,448.40
<u>BENEFITS @ 20%</u>		1,089.68
<u>CONTRACTOR</u>		
COURIER DE BOIS LTD., 19.33 LKM		2,882.25
<u>GENERAL COSTS APPORTIONED</u>		
46/331 X \$52,699.48		<u>7,323.79</u>
<u>TOTAL LINE-CUTTING, FLAGGING, SURVEYING COST</u>		\$ 16,744.12 =====

GEOCHEMICAL SURVEY COSTSALARIES & WAGES

S. TOMLINSON, 3 DAYS @ \$120.20	\$ 360.60	
J. BOSHER, 2 DAYS @ \$115.39	230.78	
E. TIMOSHINKO, 4 DAYS @ \$92.31	<u>369.24</u>	\$ 960.62

BENEFITS @ 20%

192.12

ASSAYS & ANALYSES - CHEMEX LABS

126 SOILS FOR AU & 30-ELEMENT ICP		1,921.50
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GENERAL COSTS APPORTIONED

9/331 X \$52,699.48		<u>1,432.91</u>
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TOTAL GEOCHEMICAL SURVEY COST

		\$ 4,507.15
		=====

GEOPHYSICAL SURVEYS COSTSALARIES & WAGES

S. TOMLINSON, 2 DAYS @ \$120.20	\$ 240.40	
J. BOSHER, 5 DAYS @ \$115.39	576.95	
E. TIMOSHENKO, 1 DAYS @ \$92.31	<u>92.31</u>	\$ 909.66

BENEFITS

181.93

RENTALS

KANGELD PROTON MAGS 10 DAYS 2 @ \$27	\$ 540.00	
KANGELD EM-16 10 DAYS @ \$27	<u>270.00</u>	810.00

CONTRACTOR-GROUND SURVEYS

P.E. WALCOTT & ASSOC. LTD.		46,630.92
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CONTRACTOR-AIRBORNE SURVEYS

AERODAT LIMITED		57,500.00
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GENERAL COSTS APPORTIONED

8/331 X \$52,699.48		<u>1,273.70</u>
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TOTAL GEOPHYSICAL SURVEYS COST

		\$107,306.21
		=====

DIAMOND DRILLING COSTSALARIES & WAGES

P. GRUNENBERG, 66 DAYS @ \$163.34	\$10,780.44	
S. TOMLINSON, 53 DAYS @ \$120.20	6,370.60	
J. BOSHER, 59 DAYS @ \$115.39	6,808.01	
E. TIMOSHINKO, 64 DAYS @ \$92.31	5,907.84	
W. SISSONS, 11 DAYS @ \$120.20	<u>1,322.20</u>	\$ 31,189.09

BENEFITS @ 20%

6,237.82

ARCTIC DIAMOND DRILLING LTD.

8,514.5' @ \$47.10		401,032.67
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DIAMOND DRILLING COST CONT'D.

<u>BALANCE FORWARDED</u>		401,032.67
<u>ASSAYS & ANALYSES - CHEMEX LABS</u>		
893 ROCK FOR AU @ \$17	\$15,181.00	
440 ROCK FOR AU @ \$11.50	5,060.00	
1333 PULP FOR 30-ELEMENT ICP @ \$6.50	<u>8,664.50</u>	28,905.50
<u>WATER TRUCK</u>		
GEOFF BARRINGTON		
<u>GENERAL COSTS APPORTIONED</u>		
253/331 X \$52,699.48		<u>40,280.87</u>
<u>TOTAL DIAMOND DRILLING COST</u>		<u>\$510,373.95</u>

BULLDOZING COST

<u>SALARIES & WAGES</u>		
P. GRUNENBERG, 10 DAYS @ \$163.34	\$ 1,633.40	
S. TOMLINSON, 5 DAYS @ \$120.20	<u>601.00</u>	\$ 2,234.40
<u>BENEFITS @ 20%</u>		446.88
<u>CONTRACTORS</u>		
WAYNE HAWK	\$ 8,855.00	
KIESAN DAUNT	905.00	
JAMES ARCHIBALD	160.00	
KLONDIKE TRANSPORT	3,517.50	
GILLESPIE ENTERPRISES	<u>7,770.83</u>	21,208.33
<u>GENERAL COSTS APPORTIONED</u>		
15/331 X \$52,699.48		<u>2,388.19</u>
<u>TOTAL BULLDOZING COST</u>		<u>\$ 26,277.80</u>

AOR/KLA/DAW 1986
2 JUNE-16 DECEMBER 1986
GENERAL COSTS

<u>FOOD & ACCOMMODATION</u> , 121 MAN DAYS @ \$23.98		\$ 2,901.90
<u>FIXED WING</u>		2,041.52
<u>SUPPLIES</u>		2,559.81
<u>FUEL</u>		216.74
<u>TELEPHONE SERVICES</u>		236.22
<u>FEES</u>		945.96
<u>SHIPPING</u>		2,127.54
<u>RENTALS</u>		
AIRWAYS 4WD PU, 35 DAYS @ \$43	\$ 1,505.00	
AIRWAYS 4WD BLAZER, 35 DAYS @ \$43	1,505.00	
EZEKIEL FIELD EQUIPMENT 121 MAN DAYS @ \$6	726.00	3,736.00
<u>DRAFTING</u>		234.18
<u>CONSULTANT FEES</u>		
ARCHEAN ENGINEERING LTD.	\$ 1,125.00	
ADDER EXPLORATION & DEVELOPMENT LTD.	4,675.18	5,800.18
<u>TOTAL GENERAL COSTS</u>		\$ 20,800.05

LINE-CUTTING, FLAGGING, SURVEYING COST

<u>SALARIES & WAGES</u>		
P. GRUNENBERG, 5 DAYS @ \$163.34	\$ 816.70	
S. TOMLINSON, 6 DAYS @ \$120.20	721.20	
J. BOSHER, 7 DAYS @ \$115.39	807.73	
E. TIMOSHENKO, 3 DAYS @ \$92.31	276.93	\$ 2,622.56
<u>BENEFITS @ 20%</u>		524.51
<u>CONTRACTOR</u>		
COURIER DE BOIS LTD., 2 LKM		650.00
<u>GENERAL COSTS APPORTIONED</u>		
21/121 X \$20,800.05		3,609.93
<u>TOTAL LINE-CUTTING, FLAGGING, SURVEYING COST</u>		\$ 7,407.00

GEOCHEMICAL SURVEY COSTSALARIES & WAGES

S. TOMLINSON, 2 DAYS @ \$163.34	\$ 326.68	
E. TIMOSHINKO, 2 DAYS @ \$92.31	<u>184.62</u>	\$ 511.30

<u>BENEFITS @ 20%</u>		102.26
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ASSAYS & ANALYSES - CHEMEX LABS

110 SOILS AU + 24-ELEMENT ICP @ \$18.75		2,062.50
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GENERAL COSTS APPORTIONED

4/121 X \$20,800.05		<u>687.60</u>
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<u>TOTAL GEOCHEMICAL SURVEY COST</u>		\$ <u>3,363.66</u>
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GEOPHYSICAL SURVEYS COSTSALARIES & WAGES

P. GRUNENBERG, 9 DAYS @ \$163.34	\$ 1,470.06	
S. TOMLINSON, 7 DAYS @ \$120.20	841.40	
J. BOSHER, 5 DAYS @ \$115.39	576.95	
E. TIMOSHENKO, 7 DAYS @ \$92.31	<u>646.17</u>	\$ 3,534.58

<u>BENEFITS @ 20%</u>		706.92
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RENTALS

KANGELD PROTON MAGS 6 DAYS 2 @ \$27	\$ 324.00	
KANGELD EM-16 6 DAYS @ \$27	<u>162.00</u>	486.00

CONTRACTORS

P.E. WALCOTT & ASSOC. LTD.	\$10,430.05	
AERODAT LTD.	<u>28,750.00</u>	\$ 39,180.05

GENERAL COSTS APPORTIONED

28/121 X \$20,800.05		<u>4,813.23</u>
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<u>TOTAL GEOPHYSICAL SURVEYS COST</u>		\$ <u>48,720.78</u>
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DIAMOND DRILLING COSTSALARIES & WAGES

P. GRUNENBERG, 26 DAYS @ \$163.34	\$ 4,246.84	
S. TOMLINSON, 10 DAYS @ \$120.20	1,202.00	
J. BOSHER, 11 DAYS @ \$115.39	1,269.29	
E. TIMOSHINKO, 10 DAYS @ \$92.31	923.10	
W. SISSONS, 2 DAYS @ \$120.20	<u>240.40</u>	\$ 7,881.63

<u>BENEFITS @ 20%</u>		1,576.33
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ARCTIC DIAMOND DRILLING LTD.

2,285.5' @ \$40.89		93,433.21
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DIAMOND DRILLING COST CONT'D.

<u>BALANCE FORWARDED</u>		\$ 93,433.21
<u>ASSAYS & ANALYSES - CHEMEX LABS</u>		
474 ROCKS FOR AU @ \$17	\$ 8,058.00	
371 ROCKS FOR AU @ \$11.50	4,266.50	
845 PULP FOR 30-ELEMENT ICP @ \$6.50	<u>5,492.50</u>	17,817.00
<u>GENERAL COSTS APPORTIONED</u>		
59/121 X \$20,800.05		<u>10,142.17</u>
<u>TOTAL DIAMOND DRILLING COST</u>		<u>\$130,850.34</u>

BULLDOZING COST

<u>SALARIES & WAGES</u>		
P. GRUNENBERG, 1 DAY	\$ 163.34	
S. TOMLINSON, 4 DAYS @ \$120.20	480.80	
J. BOSHER, 4 DAYS @ \$92.31	<u>369.24</u>	\$ 1,013.38
<u>BENEFITS @ 20%</u>		202.68
<u>CONTRACTORS</u>		
KLONDIKE TRANSPORT LTD.		\$17,022.50
<u>GENERAL COSTS APPORTIONED</u>		
9/121 X \$20,800.05		<u>1,547.11</u>
<u>TOTAL BULLDOZING COST</u>		<u>\$ 19,785.67</u>

KDR/DAW 1986
2 JUNE-16 DECEMBER
GENERAL COSTS

<u>FOOD & ACCOMMODATION, 72 MAN DAYS @ \$51.64</u>		\$ 3,717.81
<u>SUPPLIES</u>		3,439.59
<u>FUEL</u>		1,167.99
<u>TELEPHONE SERVICES</u>		388.96
<u>FEES</u>		39.67
<u>FIXED WING</u>		1,536.80
<u>SHIPPING</u>		934.07
<u>RENTALS</u>		
AIRWAYS 4WD PU, 24 DAYS @ \$43	\$ 1,032.00	
AIRWAYS 4WD BLAZER, 24 DAYS @ \$43	1,032.00	
EZEKIEL FIELD EQUIPMENT, 72 MAN DAYS @ \$6	<u>432.00</u>	2,496.00
<u>MAINTENANCE</u>		228.27
<u>DRAFTING</u>		214.55
<u>CONSULTANT FEES</u>		
ADDER EXPLORATION & DEVELOPMENT LTD.	\$ 337.50	
ARCHEAN ENGINEERING LTD.	<u>2,750.00</u>	<u>3,087.50</u>
<u>TOTAL GENERAL COSTS</u>		\$ 17,251.21 =====

LINE-CUTTING, FLAGGING, SURVEYING COST

<u>SALARIES & WAGES</u>		
P. GRUNENBERG, 4 DAYS @ \$163.34	\$ 653.36	
S. TOMLINSON, 5 DAYS @ \$120.20	601.00	
J. BOSHER, 8 DAYS @ \$115.34	922.72	
E. TIMOSHENKO, 8 DAYS @ \$92.31	<u>738.48</u>	\$ 2,915.56
<u>BENEFITS @ 20%</u>		583.11
<u>CONTRACTOR</u>		
COURIER DE BOIS LTD., 38.5 LKM		10,000.00
<u>GENERAL COSTS APPORTIONED</u>		
25/72 X \$17,251.21		<u>5,990.00</u>
<u>TOTAL LINE-CUTTING, FLAGGING, SURVEYING COST</u>		\$ 19,488.67 =====

GEOPHYSICAL SURVEYS COSTSALARIES & WAGES

P. GRUNENBERG, 3 DAYS @ \$163.34	\$ 490.02	
J. BOSHER, 6 DAYS @ \$115.39	692.34	
E. TIMOSHENKO, 5 DAYS @ \$92.31	<u>461.55</u>	\$ 1,643.91

BENEFITS @ 20%

328.78

CONTRACTORS

P.E. WALCOTT & ASSOC. LTD.	\$45,711.53	
AERODAT LIMITED	<u>28,750.00</u>	74,461.53

RENTALS

KANGELD PROTON MAGS 7 DAYS 2 @ \$27	\$ 378.00	
KANGELD EM-16 7 DAYS @ \$27	<u>189.00</u>	\$ 567.00

GENERAL COSTS APPORTIONED

14/72 X \$17,251.21		<u>3,354.40</u>
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TOTAL GEOPHYSICAL SURVEYS COST\$ 88,162.92
=====DIAMOND DRILLING (SITE PREP.) COSTSALARIES & WAGES

P. GRUNENBERG, 5 DAYS @ \$163.34	\$ 816.70	
S. TOMLINSON, 3 DAYS @ \$120.20	360.60	
J. BOSHER, 2 DAYS @ \$115.39	230.78	
E. TIMOSHINKO, 5 DAYS @ \$92.31	<u>461.55</u>	\$ 1,869.63

BENEFITS @ 20%

373.93

CORE SPLITTER MOUNT

30.00

GENERAL COSTS APPORTIONED

15/72 X \$17,251.21		<u>3,594.00</u>
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TOTAL DIAMOND DRILLING COST\$ 5,867.56
=====BULLDOZING COSTSALARIES & WAGES

P. GRUNENBERG, 4 DAYS @ \$163.34	\$ 653.36	
S. TOMLINSON, 9 DAYS @ \$120.20	1,081.80	
J. BOSHER, 2 DAYS @ \$115.39	230.78	
E. TIMOSHENKO, 3 DAYS @ \$92.31	<u>276.93</u>	\$ 2,242.87

BENEFITS @ 20%

448.57

CONTRACTOR

KLONDIKE TRANSPORT		11,101.67
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BULLDOZING COST CONT'D.

<u>BALANCE FORWARDED</u>			\$ 11,101.67
<u>ASSAYS AND ANALYSES</u>			
VANGEOCHEM - 12 ROCKS FOR AU			
& 28-ELEMENT ICP @ \$16	\$	192.00	
CHEMEX - 3 ROCKS FOR AG, AU @ \$21.50		64.50	
- 2 SOILS FOR AU @ \$7.35		14.70	
- 7 PULPS FOR 24-ELEMENT ICP @ \$10		<u>70.00</u>	
	\$		341.20
<u>GENERAL COSTS APPORTIONED</u>			
18/72 X \$17,251.21			<u>4,312.80</u>
<u>TOTAL BULLDOZING COST</u>			<u><u>\$ 18,447.11</u></u>

PETER E. WALCOTT & ASSOC. LTD.

-ii-

PERSONNEL EMPLOYED ON SURVEY.

<u>NAME</u>	<u>OCCUPATION</u>	<u>ADDRESS</u>	<u>DATES</u>
P. Grunenberg	Geologist	Mark Management Ltd. 1900 999 W. Hastings Vancouver, B.C.	June 2-Dec.16 1986
S. Tomlinson	"	"	"
J. Bosher	"	"	"
E. Timoshenko	"	"	"
G. MacMillan	Geophysical operator	Peter E. Walcott & Assoc 605 Rutland Court Coquitlam, B.C. V3J 3T8	July 7-18 25-31st, Aug.20-25 Oct 4-Nov. 19th,86 Jan 3 - Feb.4,1987
R. Summerfield	"	"	July 7th-18 25th - 31st Oct 27th - Nov. 19th,86
B . Summerfield	"	"	Jul.7th-18th 25th-31st,86
V. Pashniak	"	"	Jan 15 -Feb. 10th,1987
G. Mandryk	"	"	Oct. 4th - Nov.19, 86
F. Von Flotow	"	"	Oct. 27th - Nov. 19,86
W. Parma	Assistant	"	Oct 4th - Nov. 18th,86
E. Burton	"	"	Oct. 27th - Nov. 18th,86

PETER E. WALCOTT & ASSOC. LTD.

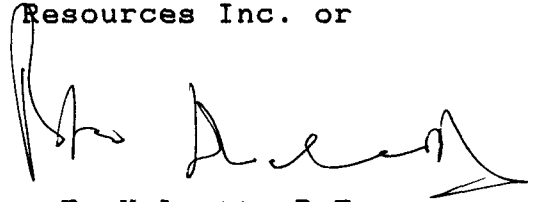
T. Taylor	"	"	Oct. 9th - Nov. 15th, 86
T. Olson	"	"	Oct. 29th - Nov. 17th, 86
P. Walcott	Geophysicist	"	Aug 4-6th, Dec.10-22nd, 1986 Feb. 11-15th 1987
J . Walcott	Typing	"	Feb. 24th, 87

-iii-

CERTIFICATION.

I, Peter E. Walcott, of the Municipality of Coquitlam, British Columbia, hereby certify that:

1. I am a Graduate of the University of Toronto in 1962 with a B.A.Sc. in Engineering Physics, Geophysics Option.
2. I have been practising my profession for the last twenty four years.
3. I am a member of the Association of Professional Engineers of British Columbia and Ontario.
4. I hold no interest, direct or indirect, in the securities or properties of Arbor Resources Inc. or Kangel Resources Ltd.



Peter E. Walcott, P.Eng.

Vancouver, B.C.

February 1987

I.P. PSEUDO-SECTIONS



Anomalous Zone



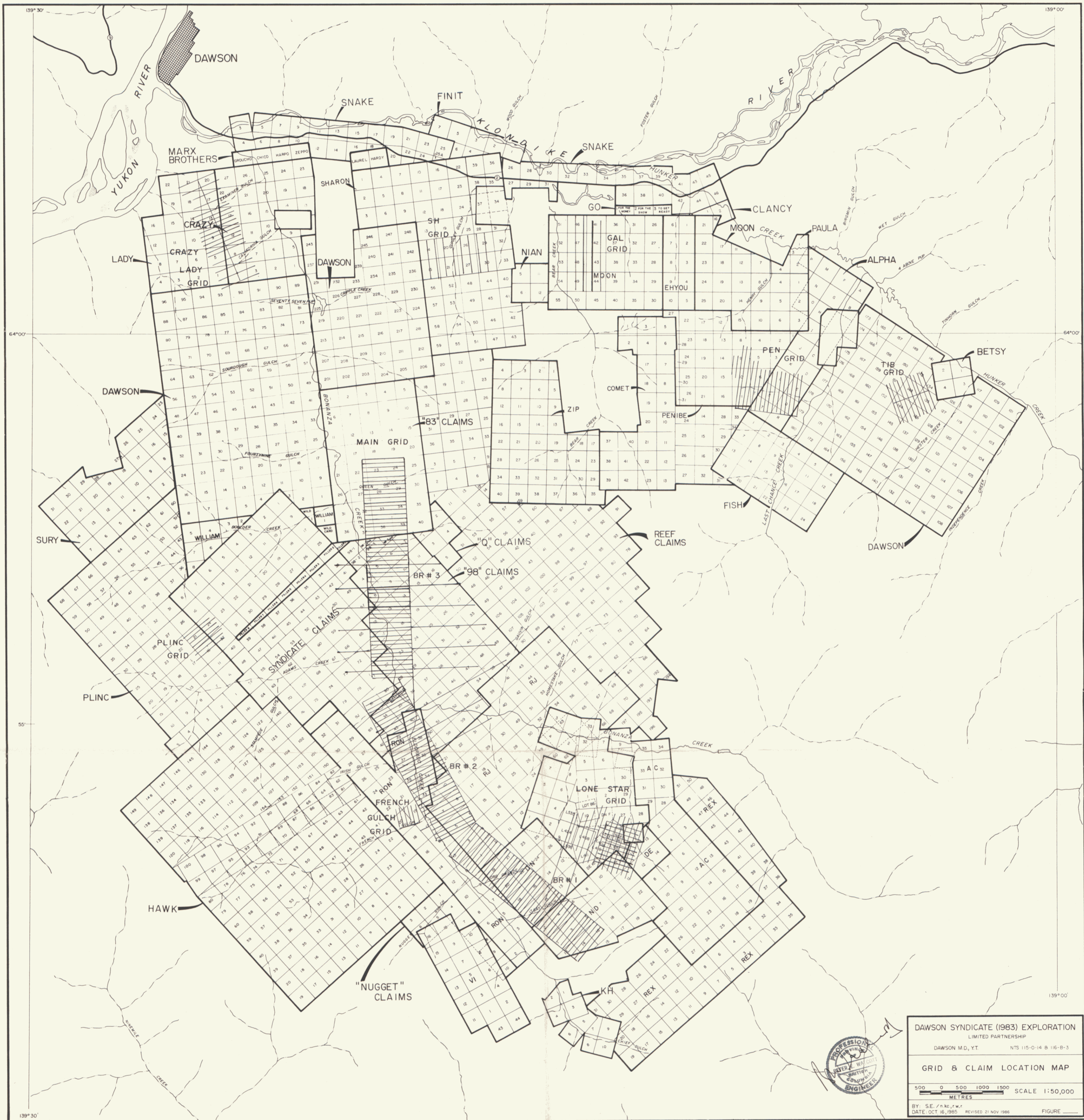
Possible Anomalous Zone



Zone open at both ends

G

Graphitic material



DAWSON SYNDICATE (1983) EXPLORATION
 LIMITED PARTNERSHIP
 DAWSON M.D., Y.T. NTS 115-0-14 B 116-B-3
GRID & CLAIM LOCATION MAP
 500 0 500 1000 1500 SCALE 1:50,000
 METRES
 BY: S.E./n.k./r.w./ DATE: OCT 16, 1985 REVISED 21 NOV 1986 FIGURE _____

091754

1480

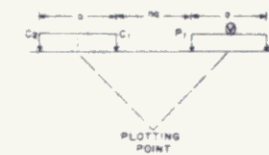
ARBOR RESOURCES INC.
LONE STAR GRID
DAWSON AREA, Y.T.

BASE - LINE



INDUCED POLARIZATION SURVEY

DIPOLE - DIPOLE
ELECTRODE CONFIGURATION



CURRENT ELECTRODE NORTH OF POTENTIAL ELECTRODE
DIPOLE SEPARATION "a" - 25 METRES
TIME DELAY - 200 MILLI-SECONDS
SAMPLING TIME - 1000 MILLI-SECONDS
RECEIVER - HUNTEC MARK IV
TRANSMITTER - PHOENIX IPT1

CONTOUR INTERVAL
APPARENT RESISTIVITY - 300, 500, 700, 1000, 2000,
3000, 5000, etc.

APPARENT CHARGEABILITY - 5, 10, 15, 20, etc.

SURVEY BY
PETER E WALCOTT & ASSOC. LTD.
JULY - 1986

091754

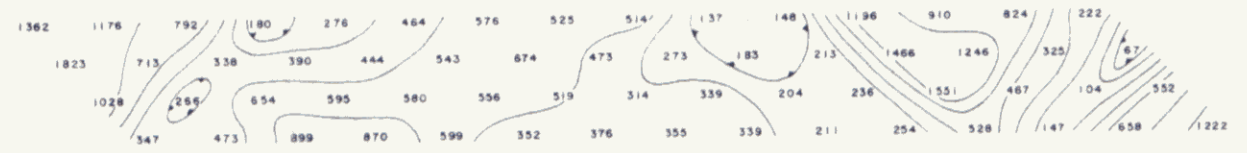


1+00-W 0+50-W 0+00 0+50-E 1+00-E 1+50-E 2+00-E 2+50-E 3+00-E 3+50-E 4+00-E 4+50-E

STEEP HILL

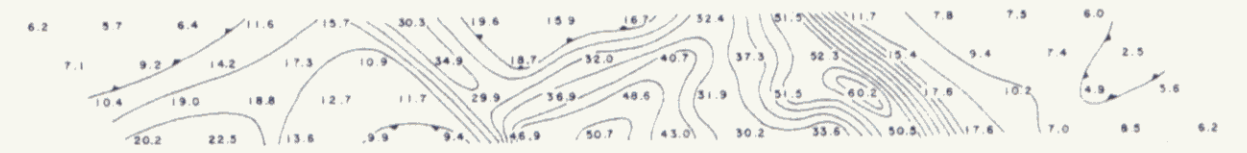
APPARENT RESISTIVITY OHM-METRES

n = 1
n = 2
n = 3
n = 4



APPARENT CHARGEABILITY MILLI-VOLTS/VOLT

n = 1
n = 2
n = 3
n = 4



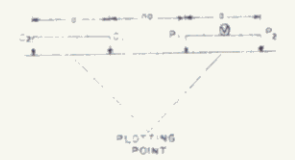
ARBOR RESOURCES INC.
FRENCH GULCH GRID
DAWSON AREA, Y.T.

FRENCH GULCH LINE



INDUCED POLARIZATION SURVEY

DIPOLE - DIPOLE
ELECTRODE CONFIGURATION



CURRENT ELECTRODE WEST OF POTENTIAL ELECTRODE
DIPOLE SEPARATION 'a' = 25 METRES
TIME DELAY = 200 MILLI-SECONDS
SAMPLING TIME = 1000 MILLI-SECONDS
RECEIVER - HUNTEC MARK IV
TRANSMITTER - PHOENIX IPT1

CONTOUR INTERVAL
APPARENT RESISTIVITY - 70, 100, 200, 300, 500, 700, 1000, 2000, etc.
APPARENT CHARGEABILITY - 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, etc.

SURVEY BY
PETER E WALCOTT & ASSOC. LTD.
JULY - 1986
091754

1000 SOUTH

950-S

900-S

850-S

800-S

750-S

700-S

650-S

600-S

550-S

500-S

450-S

400-S

350-S

300-S

250-S

200 SOUTH

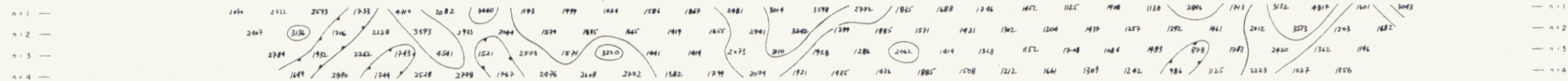
ARBOR RESOURCES INC.

LONESTAR GRID, DAWSON AREA, Y.T.

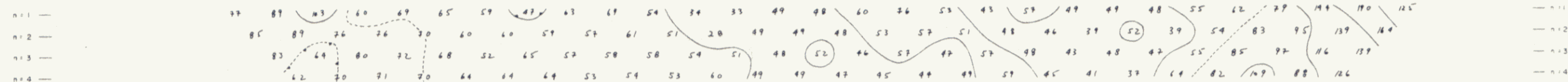
LINE +0+00



APPARENT RESISTIVITY OHM - METRES

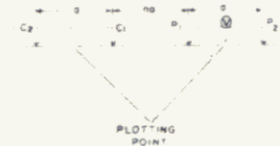


APPARENT CHARGEABILITY MILLI-VOLTS / VOLT



INDUCED POLARIZATION SURVEY

DIPOLE - DIPOLE ELECTRODE CONFIGURATION



CURRENT ELECTRODE NORTH OF POTENTIAL ELECTRODE

DIPOLE SEPARATION 'a' - 25 METRES

TIME DELAY - 200 MILLI-SECONDS

SAMPLING TIME - 1000 MILLI-SECONDS

RECEIVER - HUNTEC MARK IV, EDA 1P2

TRANSMITTER - PHOENIX IPT1, HUNTEC MARK IV

CONTOUR INTERVAL

APPARENT RESISTIVITY - 5, 7, 10, 20, 30, 50, 70, 100, 200, 300, 500, 700, 1000, 2000, etc.

APPARENT CHARGEABILITY - 0, 5, 17, 10, 15, 20, etc.

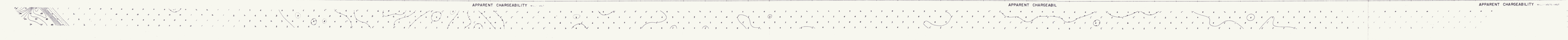
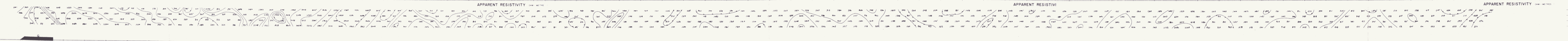
SURVEY BY PETER E. HALCOTT & ASSOC. LTD.

091754

OCT. - NOV. - 1986

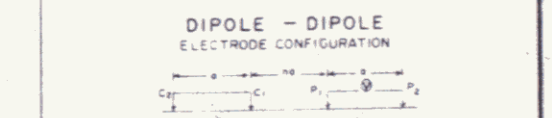
1050 WEST 1000-W 950-W 900-W 850-W 800-W 750-W 700-W 650-W 600-W 550-W 500-W 450-W 400-W 350-W 300-W 250-W 200-W 150-W 100-W 50-W BASE LINE 50-E 100-E 150-E 200-E 250-E 300-E 350-E 400-E 450-E 500-E 550-E 600-E 650-E 700-E 750-E 800-E 850-E 900-E 950-E 1000-E 1050-E 1100-E 1150-E 1200-E 1250-E 1300-E 1350-E 1400-E 1450-E 1500-E 1550-E 1600-E 1650-E 1700-E 1750-E 1800-E 1850-E 1900-E 1950-E 2000-E 2050-E 2100-E 2150-E 2200-E 2250-E 2300-E 2350-E 2400-E 2450-E 2500 EAST

OLD ROAD STEEP "CABIN" ROAD ROAD ROAD MAIN ROAD CREEK STEEP MAIN ROAD SULLY ROAD OLD ROAD OLD WATER TROUGH OLD DISSEMINATION



KANGELD RESOURCES LTD.
 BONANZA - ELDERADO GRID, DAWSON AREA, Y.T.
 LINE 0+00

INDUCED POLARIZATION SURVEY

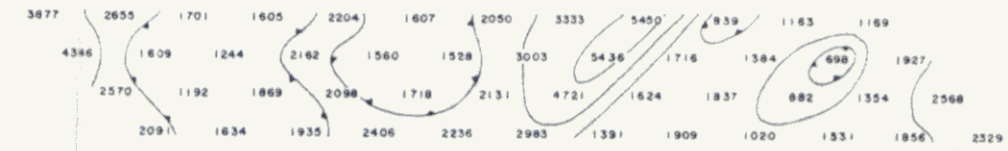


PLOTTING POINT
 CURRENT ELECTRODE EAST OF POTENTIAL ELECTRODE
 DIPOLE SEPARATION "A" - 25 METRES
 TIME DELAY - 200 MILLI-SECONDS
 SAMPLING TIME - 1000 MILLI-SECONDS
 RECEIVER - HUNTEC MARK IV COA-1P2
 TRANSMITTER - PHOENIX IPT1 HUNTEC MARK IV
 COLOUR INTERNAL
 APPARENT RESISTIVITY - 5, 10, 20, 30, 50, 100, 200, 300, 500, 1000, 2000, 4K
 APPARENT CHARGEABILITY - 0.5, 1, 1.5, 2, 2.5, 3, 4

SURVEY BY
 OCT - NOV - 1986
 091754

8+00-W 7+50-W 7+00-W 6+50-W 6+00-W 5+50-W 5+00-W 4+50-W 4+00-W 3+50-W

APPARENT RESISTIVITY OHM - METRES



APPARENT CHARGEABILITY MILLI-VOLTS/VOLT



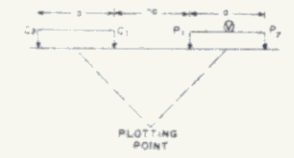
ARBOR RESOURCES INC.
BIG SKOOKUM CREEK GRID
DAWSON AREA, Y.T.

LINE 4+00 NORTH



INDUCED POLARIZATION SURVEY

DIPOLE - DIPOLE
ELECTRODE CONFIGURATION



CURRENT ELECTRODE WEST OF POTENTIAL ELECTRODE
DIPOLE SEPARATION "a" - 25 METRES
TIME DELAY - 200 MILLI-SECONDS
SAMPLING TIME - 1000 MILLI-SECONDS
RECEIVER - HUNTEC MARK IV
TRANSMITTER - PHOENIX IPT
CONTOUR INTERVAL
APPARENT RESISTIVITY - 700, 1000, 2000, 3000,
5000, etc.
APPARENT CHARGEABILITY - 5, 10, 15, 20, etc.

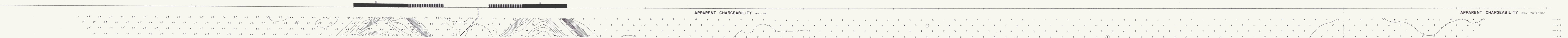
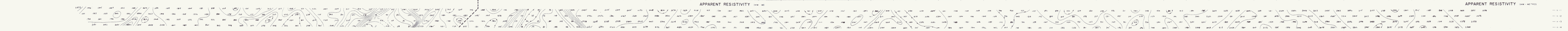
SURVEY BY
PETER E WALCOTT & ASSOC. LTD.
JULY - 1986

091754

1800 WEST 1750-W 1700-W 1650-W 1600-W 1550-W 1500-W 1450-W 1400-W 1350-W 1300-W 1250-W 1200-W 1150-W 1100-W 1050-W 1000-W 950-W 900-W 850-W 800-W 750-W 700-W 650-W 600-W 550-W 500-W 450-W 400-W 350-W 300-W 250-W 200-W 150-W 100-W 50-W BASE LINE 50-E 100-E 150-E 200-E 250-E 300-E 350-E 400-E 450-E 500-E 550-E 600-E 650-E 700-E 750-E 800-E 850-E 900-E 950-E 1000-E 1050-E 1100-E 1150-E 1200-E 1250-E 1300-E 1350-E 1400-E 1450-E 1500-E 1550-E 1600 EAST

HUNTEC MARK IV EDA 1P2

BOHANZA CREEK UPPER BOHANZA ROAD "EAST" ROAD SWITCH-BACK NEW ROAD



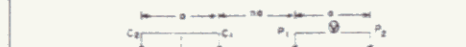
KANGELD RESOURCES LTD.
 BONANZA - ELDORADO GRID | DAWSON AREA, Y.T.

LINE 10 NORTH

1:2500 SCALE

INDUCED POLARIZATION SURVEY

DIPOLE - DIPOLE ELECTRODE CONFIGURATION



PLOTTING POINT

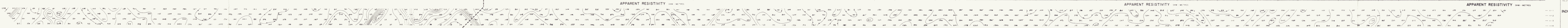
CURRENT ELECTRODE EAST OF POTENTIAL ELECTRODE
 DIPOLE SEPARATION = 25 METRES
 TIME DELAY = 200 MILLI-SECONDS
 SAMPLING TIME = 1000 MILLI-SECONDS
 RECEIVER = HUNTEC MARK IV, EDA
 TRANSMITTER = PHOENIX IPT1, HUNTEC MARK II
 CONTOUR INTERVAL
 APPARENT RESISTIVITY - 5, 7, 10, 20, 30, 50, 70, 100, 200, 300, 500, 700, 1000, 2000 OHM
 APPARENT CHARGEABILITY - 0.5, 1, 1.5, 2, 2.5, 3, 4

SURVEY BY
 PETER E WILCOFF & ASSOC LTD

1505 091754 OCT - NOV - 1986

1800 WEST 1750-W 1700-W 1650-W 1600-W 1550-W 1500-W 1450-W 1400-W 1350-W 1300-W 1250-W 1200-W 1150-W 1100-W 1050-W 1000-W 950-W 900-W 850-W 800-W 750-W 700-W 650-W 600-W 550-W 500-W 450-W 400-W 350-W 300-W 250-W 200-W 150-W 100-W 0=50 WEST BASE LINE 50-E 100-E 150-E 200-E 250-E 300-E 350-E 400-E 450-E 500-E 550-E 600-E 650-E 700-E 750-E 800-E 850-E 900-E 950-E 1000-E 1050-E 1100-E 1150-E 1200 EAST 1250-E 1300-E 1350-E 1400-E 1450-E 1500-E 1550-E 1600-E 1650-E 1700-E 1750-E 1800-E 1850-E 1900-E 1950-E 2000-E 2050 EAST

ROAD ROAD MAIN ROAD WATER ← HUNTEC MARK IV EDA - IP 2 → MAN-MADE DITCH NEW ROAD



G



KANGELD RESOURCES LTD.
BONANZA - ELDORADO GRID ; DAWSON AREA , Y.T.

LINE 15 NORTH



INDUCED POLARIZATION SURVEY



CURRENT ELECTRODE EAST OF POTENTIAL ELECTRODE
DIPOLE SEPARATION "a" = 25 METRES
TIME DELAY = 200 MILLI-SECONDS
SAMPLING TIME = 100 MILLI-SECONDS
RECEIVER - HUNTEC MARK IV, EDA IP 2
TRANSMITTER - PHOENIX IPT, HUNTEC MARK IV
CONTOUR INTERVAL
APPARENT RESISTIVITY - 5, 7, 10, 20, 30, 50, 70, 100, 200,
300, 500, 700, 1000, 2000, 4000
APPARENT CHARGEABILITY - 0.5, 1.5, 10, 15, 20, 25, 40

SURVEY BY
PETER E WALCOTT & ASSOC LTD
OCT - NOV - 1986

1506 09 17 54

250 EAST

300-E

350-E

400-E

450-E

500-E

550-E

600-E

650-E

700-E

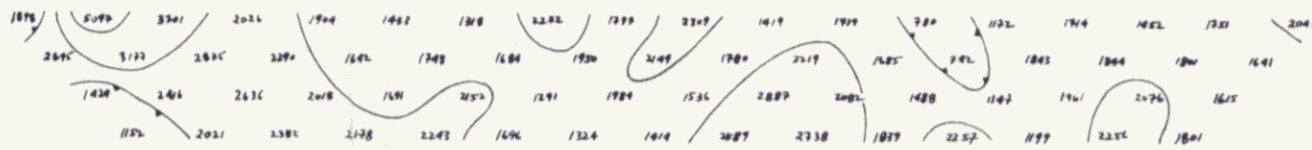
750-E

800 EAST

NEW ROAD

APPARENT RESISTIVITY OHM - METRES

n = 1
n = 2
n = 3
n = 4



APPARENT CHARGEABILITY MILLI-VOLTS / VOLT

n = 1
n = 2
n = 3
n = 4



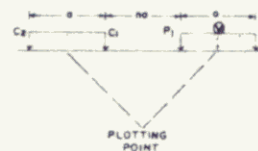
KANGELD RESOURCES LTD.
BONANZA - ELDORADO GRID ; DAWSON AREA , Y.T.

LINE 16 NORTH



INDUCED POLARIZATION SURVEY

DIPOLE - DIPOLE
ELECTRODE CONFIGURATION



CURRENT ELECTRODE EAST OF POTENTIAL ELECTRODE
 DIPOLE SEPARATION "a" - 25 METRES
 TIME DELAY - 200 MILLI-SECONDS
 SAMPLING TIME - 1000 MILLI-SECONDS
 RECEIVER - HUNTEC MARK IV, EDA I P 2
 TRANSMITTER - PHOENIX IPT1, HUNTEC MARK IV
 CONTOUR INTERVAL
 APPARENT RESISTIVITY - 5, 7, 10, 20, 30, 50, 70, 100, 200,
 300, 500, 700, 1000, 2000, etc.
 APPARENT CHARGEABILITY - 0, 5, 17.5, 10, 15, 20, 25, etc.

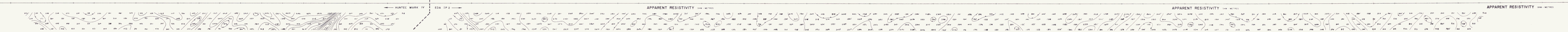
SURVEY BY
PETER E WALCOTT & ASSOC LTD

091754

OCT. - NOV. - 1986

1800 WEST 1750-W 1700-W 1650-W 1600-W 1550-W 1500-W 1450-W 1400-W 1350-W 1300-W 1250-W 1200-W 1150-W 1100-W 1050-W 1000-W 950-W 900-W 850-W 800-W 750-W 700-W 650-W 600-W 550-W 500-W 450-W 400-W 350-W 300-W 250-W 200-W 150-W 100-W 50-W BASE LINE 50-E 100-E 150-E 200-E 250-E 300-E 350-E 400-E 450-E 500-E 550-E 600-E 650-E 700-E 750-E 800-E 850-E 900-E 950-E 1000-E 1050-E 1100-E 1150-E 1200 EAST 1250-E 1300-E 1350-E 1400-E 1450-E 1500-E 1550-E 1600-E 1650-E 1700-E 1750-E 1800-E 1850 EAST

HUNTEC MARK IV EDA IP 2 CREEK BED "EAST" ROAD NEW ROAD



APPARENT RESISTIVITY OHM - METRES APPARENT RESISTIVITY OHM - METRES APPARENT RESISTIVITY OHM - METRES

APPARENT CHARGEABILITY MILLI-VOLTS / VOLT APPARENT CHARGEABILITY MILLI-VOLTS / VOLT APPARENT CHARGEABILITY MILLI-VOLTS / VOLT

KANGELD RESOURCES LTD.
 BONANZA - EL DORADO GRID ; DAWSON AREA , Y.T.
 LINE 20 NORTH



INDUCED POLARIZATION SURVEY
 DIPOLE - DIPOLE
 ELECTRODE CONFIGURATION
 CURRENT ELECTRODE EAST OF POTENTIAL ELECTRODE
 POLE SEPARATION "a" = 25 METRES
 TIME DELAY = 200 MILLI-SECONDS
 SAMPLING TIME = 1000 MILLI-SECONDS
 RECEIVER - HUNTEC MARK IV; EDA IP 2
 TRANSMITTER - PHOENIX IPT; HUNTEC MARK IV
 CONTOUR INTERVAL

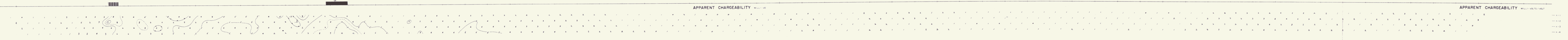
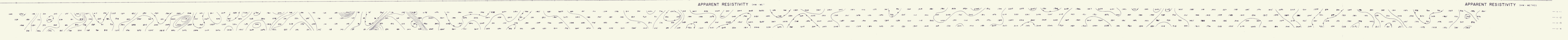
APPARENT RESISTIVITY - 5, 7, 10, 15, 30, 50, 100, 200, 300, 500, 1000, 1000, 2000, 4000
 APPARENT CHARGEABILITY - 0.5, 1.5, 3, 10, 15, 20, 25, 40

SURVEY BY
 PETER E WALCOTT & ASSOC. LTD
 OCT - NOV - 1988

1507 091754

1800 WEST 1750-W 1700-W 1650-W 1600-W 1550-W 1500-W 1450-W 1400-W 1350-W 1300-W 1250-W 1200-W 1150-W 1100-W 1050-W 1000-W 950-W 900-W 850-W 800-W 750-W 700-W 650-W 600-W 550-W 500-W 450-W 400-W 350-W 300-W 250-W 200-W 150-W 100-W 50-W BASE LINE 50-E 100-E 150-E 200-E 250-E 300-E 350-E 400-E 450-E 500-E 550-E 600-E 650-E 700-E 750-E 800-E 850-E 900-E 950-E 1000-E 1050-E 1100-E 1150-E 1200-E 1250-E 1300-E 1350-E 1400-E 1450-E 1500-E 1550-E 1600 EAST

STEEP HILL METAL MAIN ROAD DREDGE ROAD BONANZA CREEK MAN-MADE DITCH GULLEY NE-SW NEW ROAD



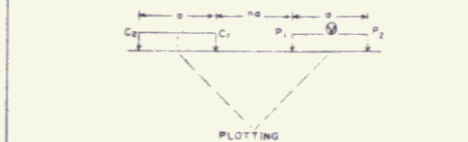
KANGELD RESOURCES LTD.
BONANZA - ELDOURADO GRID, DAWSON AREA, Y.T.

LINE 25 NORTH



INDUCED POLARIZATION SURVEY

DIPOLE - DIPOLE ELECTRODE CONFIGURATION



CURRENT ELECTRODE EAST OF POTENTIAL ELECTRODE
DIPOLE SEPARATION - 25 METRES
TIME DELAY - 200 MILLI-SECONDS
SAMPLING TIME - 1000 MILLI-SECONDS
RECEIVER - HUNTEC MARK IV, EDA
TRANSMITTER - PHOENIX IFT, HUNTEC MARK IV

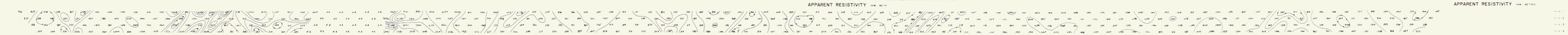
CONTOUR INTERVAL
APPARENT RESISTIVITY - 5, 10, 20, 30, 50, 70, 100, 200, 300, 500, 1000, 2000, 4000
APPARENT CHARGEABILITY - 0.5, 1, 5, 10, 15, 20, 25, 40

SURVEY BY
PETER E. WALCOTT & ASSOC. LTD.
OCT - NOV - 1988

1508 091754

1800 WEST 1750-W 1700-W 1650-W 1600-W 1550-W 1500-W 1450-W 1400-W 1350-W 1300-W 1250-W 1200-W 1150-W 1100-W 1050-W 1000-W 950-W 900-W 850-W 800-W 750-W 700-W 650-W 600-W 550-W 500-W 450-W 400-W 350-W 300-W 250-W 200-W 150-W 100-W 50-W BASE LINE 50-E 100-E 150-E 200-E 250-E 300-E 350-E 400-E 450-E 500-E 550-E 600-E 650-E 700-E 750-E 800-E 850-E 900-E 950-E 1000-E 1050-E 1100-E 1150-E 1200 EAST

OLD ROAD STEEP OLD ROAD STEEP CABIN (SOUTH) BOULDERS GRAVEL PILE LOW CURRENT-HIGH POT RESISTANCE STEEP BONANZA CREEK CABLE OVER-HEAD UPPER BONANZA ROAD CHAINAGE IN FIELD IS LONG



KANGELD RESOURCES LTD.
BONANZA - EL Dorado GRID ; Dawson AREA , Y.T.
LINE 30 NORTH

INDUCED POLARIZATION SURVEY



CURRENT ELECTRODE EAST OF POTENTIAL ELECTRODE
DIPOLE SEPARATION - 25 METRES
TIME DELAY - 200 MILLI-SECONDS
SAMPLING TIME - 1000 MILLI-SECONDS
RECEIVER - HUNTEC MARK IV, EDA
TRANSMITTER - PHOENIX (PT), HUNTEC MARK II
CONTOUR INTERVAL
APPARENT RESISTIVITY - 5, 10, 20, 30, 50, 70, 100, 200, 300, 500, 700, 1000, 2000 OHM
APPARENT CHARGEABILITY - 0.5, 1, 5, 10, 15, 20, 25, 40

SURVEY BY
PETER J. WALCOTT & ASSOC. LTD.
OCT - NOV - 1986

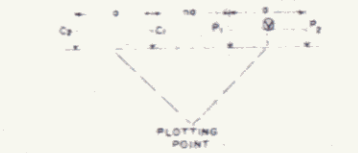
1509 091754

LINE 35 NORTH



INDUCED POLARIZATION SURVEY

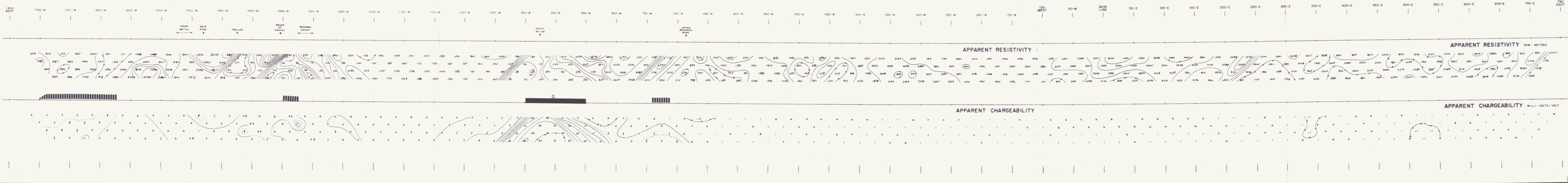
DIPOLE - DIPOLE
 ELECTRODE CONFIGURATION



CURRENT ELECTRODE EAST OF POTENTIAL ELECTRODE
 DIPOLE SEPARATION a - 25 METRES
 TIME DELAY - 200 MILLI-SECONDS
 SAMPLING TIME - 1000 MILLI-SECONDS
 RECEIVER - HUNTEC MARK IV, EDA EP2
 TRANSMITTER - PHOENIX IPT1, HUNTEC MARK IV
 CONTOUR INTERVAL
 APPARENT RESISTIVITY - 5, 7, 10, 20, 30, 50, 70, 100, 200,
 300, 500, 700, 1000, 2000, etc.
 APPARENT CHARGEABILITY - 0, 5, (7.5), 10, 15, 20, 25, etc.

SURVEY BY
 PETER E. WALCOTT & ASSOC. LTD.
 OCT. - NOV. - 1986

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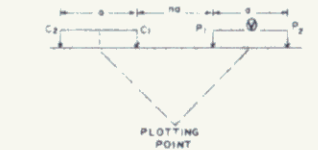
ARBOR RESOURCES INC.
LONESTAR GRID; DAWSON AREA, Y.T.

LINE 1+20 EAST



INDUCED POLARIZATION SURVEY

DIPOLE - DIPOLE
ELECTRODE CONFIGURATION

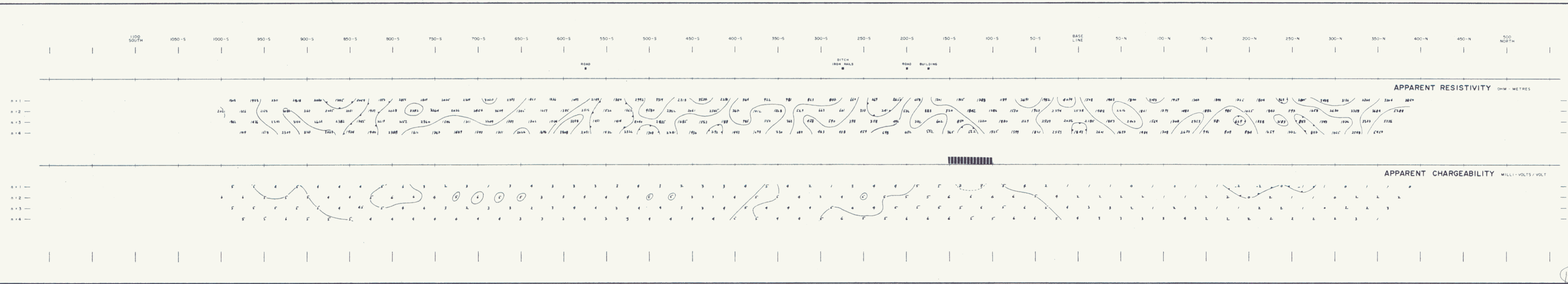


CURRENT ELECTRODE NORTH OF POTENTIAL ELECTRODE
DIPOLE SEPARATION $a = 25$ METRES
TIME DELAY - 300 MILLI-SECONDS
SAMPLING TIME - 1000 MILLI-SECONDS
RECEIVER - HUNTEC MARK IV, EDA
TRANSMITTER - PHOENIX (PT), HUNTEC MARK IV
CONTOUR INTERVAL
APPARENT RESISTIVITY - 5, 7, 10, 20, 30, 50, 70, 100, 200,
300, 500, 700, 1000, 2000, etc.
APPARENT CHARGEABILITY - 0.5, (7), 10, 15, 20, etc.

SURVEY BY
PETER E. WALCOTT & ASSOC. LTD.
OCT - NOV - 1986

091754

1494



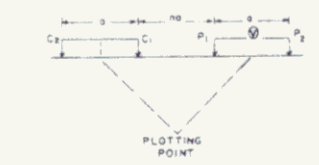
ARBOR RESOURCES INC.
LONESTAR GRID; DAWSON AREA, Y.T.

LINE 2+40 EAST



INDUCED POLARIZATION SURVEY

DIPOLE - DIPOLE
ELECTRODE CONFIGURATION

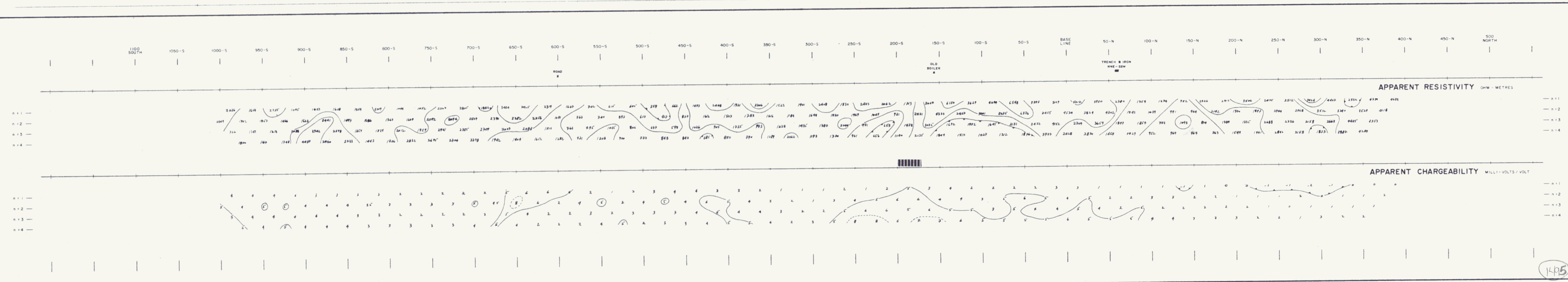


CURRENT ELECTRODE NORTH OF POTENTIAL ELECTRODE
DIPOLE SEPARATION 'a' = 25 METRES
TIME DELAY = 200 MILLI-SECONDS
SAMPLING TIME = 1000 MILLI-SECONDS
RECEIVER - HUNTEC MARK IV, EDA
TRANSMITTER - PHOENIX IPT1, HUNTEC MARK IV
CONTOUR INTERVAL
APPARENT RESISTIVITY - 5, 7, 10, 20, 30, 50, 70, 100, 200,
300, 500, 700, 1000, 2000, etc.
APPARENT CHARGEABILITY - 0.5, 1, 2, 3, 5, 10, 15, 20, etc.

SURVEY BY
PETER E WALCOTT & ASSOC. LTD.

09 17 54 OCT - NOV - 1986

1495



ARBOR RESOURCES INC.
LONESTAR GRID; DAWSON AREA, Y.T.

LINE 3+60 EAST



INDUCED POLARIZATION SURVEY

DIPOLE - DIPOLE
ELECTRODE CONFIGURATION

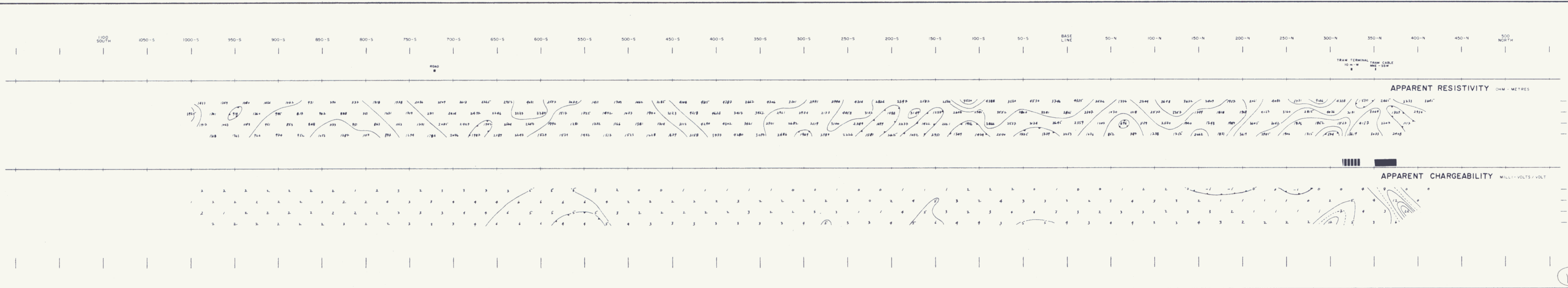


PLOTTING POINT

CURRENT ELECTRODE NORTH OF POTENTIAL ELECTRODE
DIPOLE SEPARATION $s = 25$ METRES
TIME DELAY - 200 MILLI-SECONDS
SAMPLING TIME - 1000 MILLI-SECONDS
RECEIVER - HUNTEC MARK IV, EDA
TRANSMITTER - PHOENIX (PT), HUNTEC MARK IV
CONTOUR INTERVAL
APPARENT RESISTIVITY - 5, 7, 10, 20, 30, 50, 70, 100, 200, 300, 500, 700, 1000, 2000, Ω m
APPARENT CHARGEABILITY - 0, 5, 17, 10, 15, 20, μ s

SURVEY BY
PETER C. WALCOTT & ASSOC. LTD.
OCT - NOV - 1986

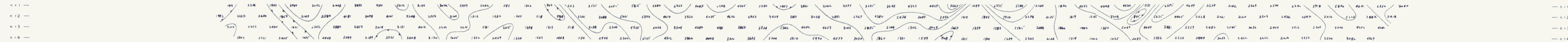
1496
001754



1100 SOUTH 1050-S 1000-S 950-S 900-S 850-S 800-S 750-S 700-S 650-S 600-S 550-S 500-S 450-S 400-S 350-S 300-S 250-S 200-S 150-S 100-S 50-S BASE LINE 50-N 100-N 150-N 200-N 250-N 300-N 350-N 400-N 450-N 500 NORTH

MAIN ROAD

APPARENT RESISTIVITY OHM - METRES



APPARENT CHARGEABILITY MILLI-VOLTS / VOLT



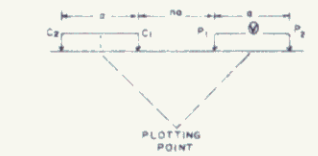
ARBOR RESOURCES INC.
LONESTAR GRID; DAWSON AREA, Y.T.

LINE 4+80 EAST



INDUCED POLARIZATION SURVEY

DIPOLE - DIPOLE ELECTRODE CONFIGURATION



CURRENT ELECTRODE NORTH OF POTENTIAL ELECTRODE
 DIPOLE SEPARATION 'a' - 25 METRES
 TIME DELAY - 200 MILLI-SECONDS
 SAMPLING TIME - 1000 MILLI-SECONDS
 RECEIVER - HUNTEC MARK IV, EDA
 TRANSMITTER - PHOENIX IPT1, HUNTEC MARK IV
 CONTOUR INTERVAL
 APPARENT RESISTIVITY - 5, 7, 10, 20, 30, 50, 70, 100, 200, 300, 500, 700, 1000, 2000, etc.
 APPARENT CHARGEABILITY - 0.5, 1, 1.5, 2, etc.

SURVEY BY PETER E. WALCOTT & ASSOC. LTD.
 091754 OCT - NOV - 1986

1497

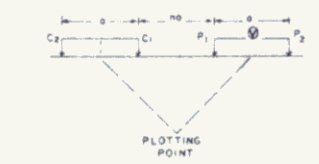
ARBOR RESOURCES INC.
LONESTAR GRID; DAWSON AREA, Y.T.

LINE 6+00 EAST



INDUCED POLARIZATION SURVEY

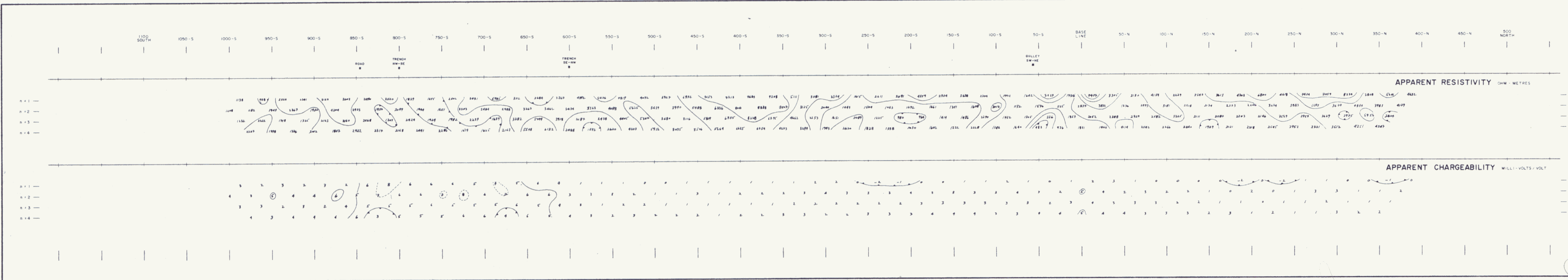
DIPOLE - DIPOLE
ELECTRODE CONFIGURATION



CURRENT ELECTRODE NORTH OF POTENTIAL ELECTRODE
DIPOLE SEPARATION $a = 25$ METRES
TIME DELAY - 200 MILLI-SECONDS
SAMPLING TIME - 1000 MILLI-SECONDS
RECEIVER - HUNTEC MARK IV, EDA
TRANSMITTER - PHOENIX IPT1, HUNTEC MARK IV
CONTOUR INTERVAL
APPARENT RESISTIVITY - 5, 7, 10, 20, 30, 50, 70, 100, 200,
300, 500, 700, 1000, 2000, etc
APPARENT CHARGEABILITY - 0.5, 1, 1.5, 10, 15, 20, etc

SURVEY BY
PETER E. WALCOTT & ASSOC. LTD
OCT - NOV - 1986

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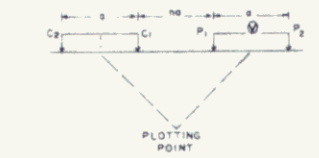
ARBOR RESOURCES INC.
LONESTAR GRID; DAWSON AREA, Y.T.

LINE 7+20 EAST



INDUCED POLARIZATION SURVEY

DIPOLE - DIPOLE
ELECTRODE CONFIGURATION

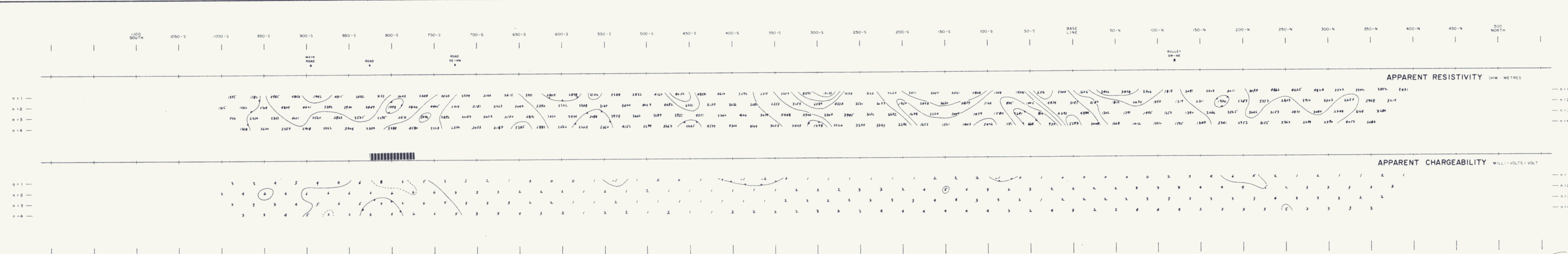


CURRENT ELECTRODE NORTH OF POTENTIAL ELECTRODE
DIPOLE SEPARATION 'a' - 25 METRES
TIME DELAY - 200 MILLI-SECONDS
SAMPLING TIME - 1000 MILLI-SECONDS
RECEIVER - HUNTEC MARK IV, EDA
TRANSMITTER - PHOENIX IPT1, HUNTEC MARK IV
CONTOUR INTERVAL
APPARENT RESISTIVITY - 5, 7, 10, 20, 30, 50, 70, 100, 200,
300, 500, 700, 1000, 2000, etc
APPARENT CHARGEABILITY - 0, 5, 10, 15, 20, etc

SURVEY BY
PETER E. WALCOTT & ASSOC. LTD
OCT - NOV - 1986

091754

1499



APPARENT RESISTIVITY OHM - METRES

APPARENT CHARGEABILITY MILLI-VOLTS/VOLT

1100 SOUTH

1050-S

1000-S

950-S

900-S

850-S

800-S

750-S

700-S

650-S

600-S

550-S

500-S

450-S

400-S

350-S

300-S

250-S

200-S

150-S

100-S

50-S

BASE LINE

50-N

100-N

150-N

200-N

250-N

300-N

350-N

400-N

450-N

500 NORTH

MAIN ROAD

ROAD

ROAD SE-NW

GULLEY SW-NE

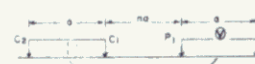
ARBOR RESOURCES INC.
LONESTAR GRID; DAWSON AREA, Y.T.

LINE 8+40 EAST



INDUCED POLARIZATION SURVEY

DIPOLE - DIPOLE
ELECTRODE CONFIGURATION

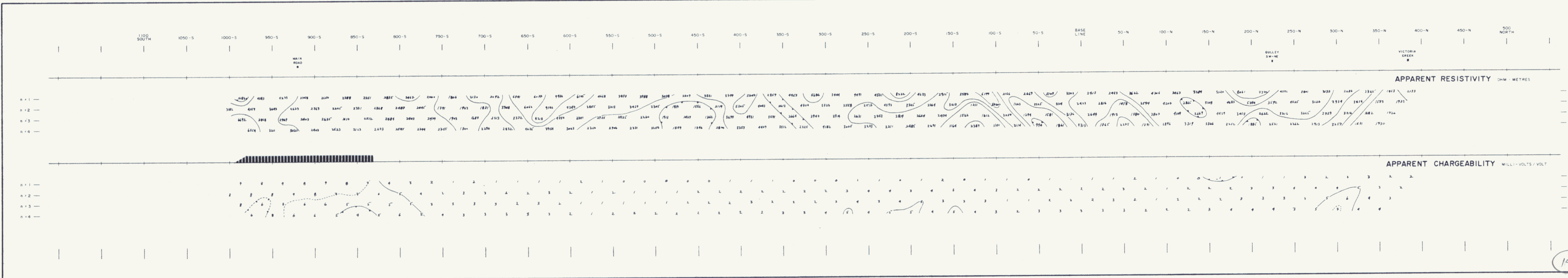


CURRENT ELECTRODE NORTH OF POTENTIAL ELECTRODE
DIPOLE SEPARATION $a = 25$ METRES
TIME DELAY - 200 MILLI-SECONDS
SAMPLING TIME - 1000 MILLI-SECONDS
RECEIVER - HUNTEC MARK IV, EDA
TRANSMITTER - PHOENIX IPT, HUNTEC MARK IV
CONTOUR INTERVAL
APPARENT RESISTIVITY - 5, 7, 10, 20, 30, 50, 70, 100, 200,
300, 500, 700, 1000, 2000, etc.
APPARENT CHARGEABILITY - 0, 5, 10, 15, 20, etc.

SURVEY BY
PETER E WILCOTT & ASSOC LTD
OCT - NOV - 1986

091754

1500



ARBOR RESOURCES INC.

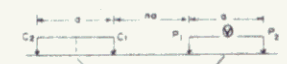
LONESTAR GRID; DAWSON AREA, Y.T.

LINE 9+60 EAST



INDUCED POLARIZATION SURVEY

DIPOLE - DIPOLE
ELECTRODE CONFIGURATION



CURRENT ELECTRODE NORTH OF POTENTIAL ELECTRODE
DIPOLE SEPARATION $a = 25$ METRES
TIME DELAY - 200 MILLI-SECONDS
SAMPLING TIME - 1000 MILLI-SECONDS
RECEIVER - HUNTEC MARK IV, EDA
TRANSMITTER - PHOENIX IPT, HUNTEC MARK IV

CONTOUR INTERVAL
APPARENT RESISTIVITY - 5, 7, 10, 20, 30, 50, 70, 100, 200,
300, 500, 700, 1000, 2000, etc
APPARENT CHARGEABILITY - 0.5, 1, 1.5, 2, etc

SURVEY BY
PETER E. WALCOTT & ASSOC. LTD
OCT - NOV - 1986

1504 091754

1100 SOUTH

1050-S

1000-S

950-S

900-S

850-S

800-S

750-S

700-S

650-S

600-S

550-S

500-S

450-S

400-S

350-S

300-S

250-S

200-S

150-S

100-S

50-S

BASE LINE

50-N

100-N

150-N

200-N

250-N

300-N

350-N

400-N

450-N

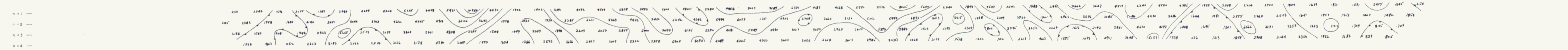
500 NORTH

MAIN ROAD

VICTORIA CREEK

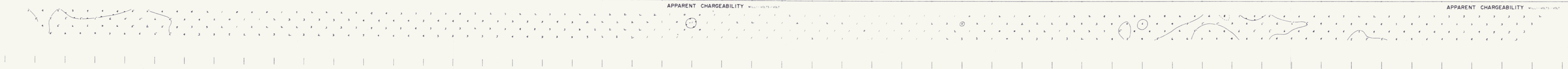
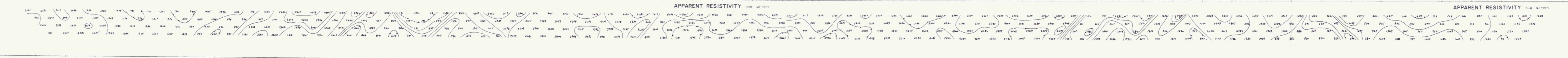
APPARENT RESISTIVITY OHM - METRES

APPARENT CHARGEABILITY MILLI-VOLTS / VOLT



1050 WEST | 1000-W | 950-W | 900-W | 850-W | 800-W | 750-W | 700-W | 650-W | 600-W | 550-W | 500-W | 450-W | 400-W | 350-W | 300-W | 250-W | 200-W | 150-W | 100-W | 50-W | BASE LINE | 50-E | 100-E | 150-E | 200-E | 250 EAST | 300-E | 350-E | 400-E | 450-E | 500-E | 550-E | 600-E | 650-E | 700-E | 750-E | 800-E | 850-E | 900-E | 950-E | 1000-E | 1050-E | 1100-E | 1150-E | 1200-E | 1250-E | 1300-E | 1350-E | 1400-E | 1450-E | 1500-E | 1550 EAST

ROAD I | MAIN ROAD II | CAT OLD TRAIL "DIGGING" I II | SMALL CREEK I | MAIN CREEK I | CREEK SMALL I | MAIN ROAD I | "CABIN" ROAD I



KANGELD RESOURCES LTD.
BONANZA - ELDORADO GRID, DAWSON AREA, Y.T.

LINE 5 SOUTH

INDUCED POLARIZATION SURVEY



PLOTTING POINT

CURRENT ELECTRODE EAST OF POTENTIAL ELECTRODE
DIPOLE SEPARATION $a = 25$ METRES
TIME DELAY - 200 MILLI-SECONDS
SAMPLING TIME - 1000 MILLI-SECONDS
RECEIVER - HUNTEC MARK IV, EDA-1P2
TRANSMITTER - PHOENIX IPT-1 HUNTEC MARK IV

CONTOUR INTERVAL

APPARENT RESISTIVITY - 5, 10, 20, 50, 100, 200, 300, 500, 1000, 2000 OHM-M

APPARENT CHARGEABILITY - 0.5, 1, 2, 5, 10, 15, 20, 25, 30

SURVEY BY
PETER C. WALCOTT & ASSOC. LTD.
OCT - NOV - 1986

503 091754

LINE 10 SOUTH

INDUCED POLARIZATION SURVEY

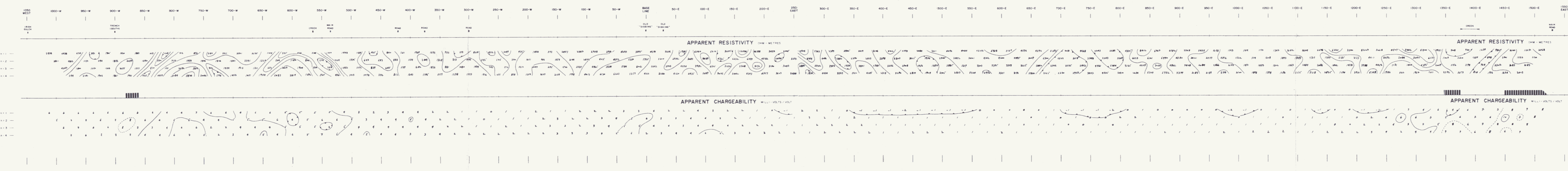


PLOTTING POINT

- CURRENT ELECTRODE EAST OF POTENTIAL ELECTRODE
- DIPOLE SEPARATION 25 - 25 METRES
- TIME DELAY - 200 MILLI-SECONDS
- SAMPLING TIME - 1000 MILLI-SECONDS
- RECEIVER - HUNTEC MARK IV, EDA-LP2
- TRANSMITTER - PHOENIX IPT1, HUNTEC MARK IV
- CONTOUR INTERVAL
- APPARENT RESISTIVITY - 5, 7, 10, 20, 30, 50, 70, 100, 200, 300, 500, 700, 1000, 2000 OHM
- APPARENT CHARGEABILITY - 0, 5, 17, 51, 10, 15, 20, 25, 40

SURVEY BY
 PETER F. WALCOTT & ASSOC. LTD.
 09 17 54
 OCT - NOV - 1986

1502



ARBOR RESOURCES INC.
FRENCH GULCH GRID
DAWSON AREA, Y.T.

LINE 23+00 SOUTH



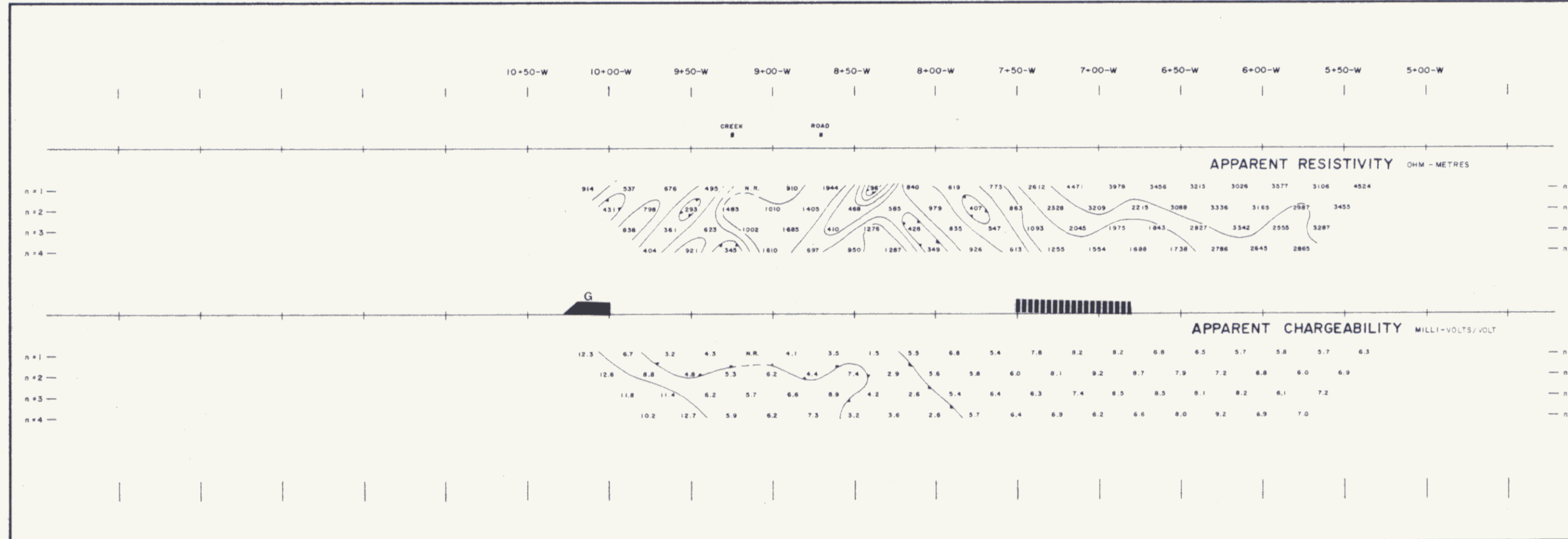
INDUCED POLARIZATION SURVEY

DIPOLE - DIPOLE
ELECTRODE CONFIGURATION



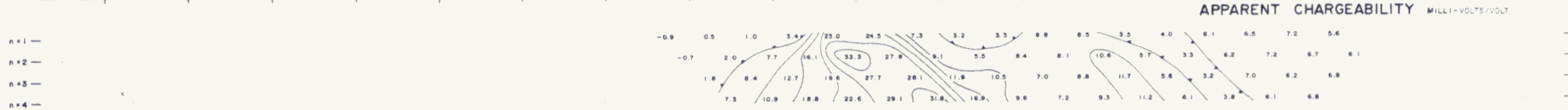
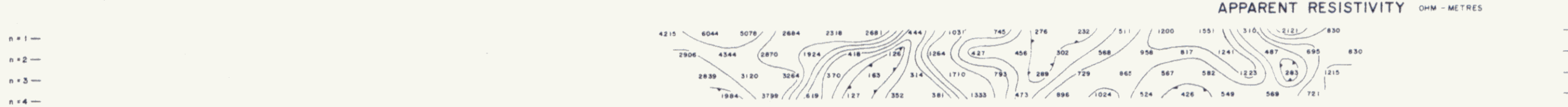
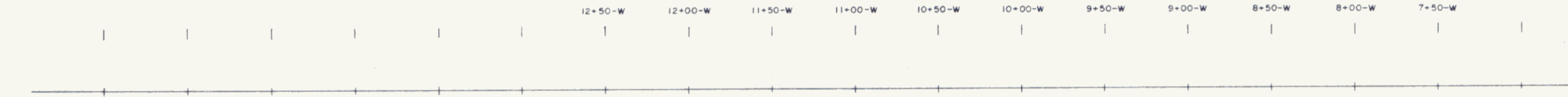
CURRENT ELECTRODE WEST OF POTENTIAL ELECTRODE
DIPOLE SEPARATION "a" - 25 METRES
TIME DELAY - 200 MILLI-SECONDS
SAMPLING TIME - 1000 MILLI-SECONDS
RECEIVER - HUNTEC MARK IV
TRANSMITTER - PHOENIX IPT-1
CONTOUR INTERVAL
APPARENT RESISTIVITY - 100, 200, 300, 500, 700,
1000, 2000, 3000, etc.
APPARENT CHARGEABILITY - 0, 10, 15, 20, etc.

SURVEY BY
PETER E WALCOTT & ASSOC. LTD.
JULY - 1988
091754



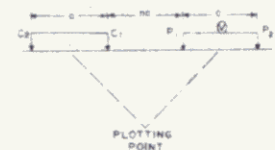
ARBOR RESOURCES INC.
 FRENCH GULCH GRID
 DAWSON AREA, Y.T.

LINE 26+00 SOUTH



INDUCED POLARIZATION SURVEY

DIPOLE - DIPOLE
 ELECTRODE CONFIGURATION



CURRENT ELECTRODE WEST OF POTENTIAL ELECTRODE
 DIPOLE SEPARATION "a" - 25 METRES
 TIME DELAY - 200 MILLI-SECONDS
 SAMPLING TIME - 1000 MILLI-SECONDS
 RECEIVER - HUNTEC MARK IV
 TRANSMITTER - PHOENIX IPT1
 CONTOUR INTERVAL
 APPARENT RESISTIVITY - 200, 300, 500, 700, 1000,
 2000, 3000, 5000, etc.
 APPARENT CHARGEABILITY - 5, 10, 15, 20, 25, 30, etc.

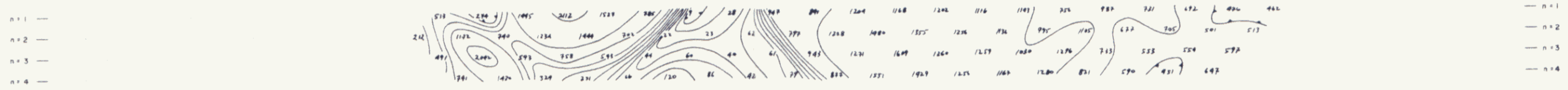
SURVEY BY
 PETER E WALCOTT & ASSOC. LTD.
 JULY - 1986

091754

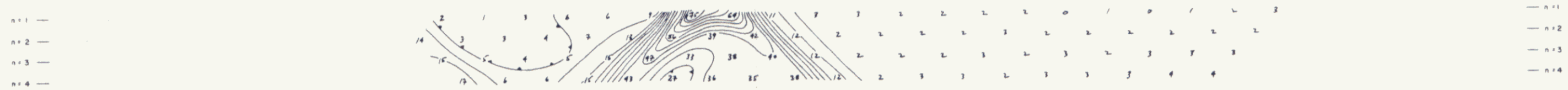
1300 WEST 1250-W 1200-W 1150-W 1100-W 1050-W 1000-W 950-W 900-W 850-W 800-W 750-W 700 WEST

TRENCH SMALL CREEK MAIN ROAD

APPARENT RESISTIVITY OHM - METRES



APPARENT CHARGEABILITY MILLI-VOLTS / VOLT



ARBOR RESOURCES INC.
27-PUP GRID; DAWSON AREA, Y.T.

LINE 37 SOUTH



INDUCED POLARIZATION SURVEY

DIPOLE - DIPOLE
ELECTRODE CONFIGURATION



CURRENT ELECTRODE EAST OF POTENTIAL ELECTRODE
DIPOLE SEPARATION "a" - 25 METRES
TIME DELAY - 160 MILLI-SECONDS
SAMPLING TIME - 1580 MILLI-SECONDS
RECEIVER - EDA-IP 2
TRANSMITTER - HUNTEC MARK IV
CONTOUR INTERVAL
APPARENT RESISTIVITY - 10, 20, 30, 50, 70, 100, 200, 300, 500, 700, 1000 & 2000
APPARENT CHARGEABILITY - 5, 10, 15, 20, 25, 30, 35, 40.

SURVEY BY
PETER E. WALCOTT & ASSOC. LTD.

091754

OCTOBER - 1986

7+50-W 7+00-W 6+50-W 6+00-W 5+50-W 5+00-W 4+50-W 4+00-W 3+50-W 3+00-W 2+50-W 2+00-W

TRENCH

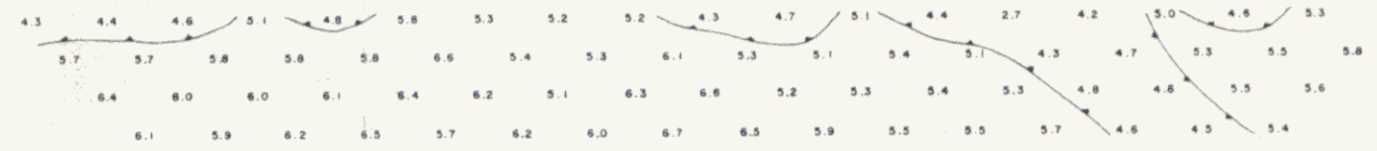
APPARENT RESISTIVITY OHM - METRES

n = 1
n = 2
n = 3
n = 4



APPARENT CHARGEABILITY MILLI-VOLTS/VOLT

n = 1
n = 2
n = 3
n = 4



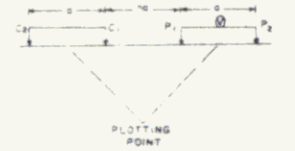
ARBOR RESOURCES INC.
GAY GULCH GRID
DAWSON AREA, Y.T.

LINE 55+00 SOUTH



INDUCED POLARIZATION SURVEY

DIPOLE - DIPOLE
ELECTRODE CONFIGURATION



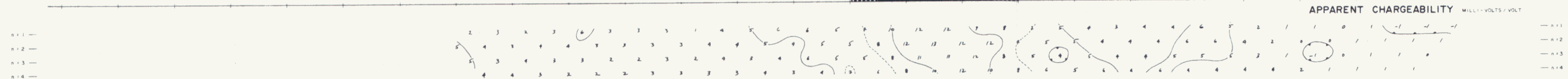
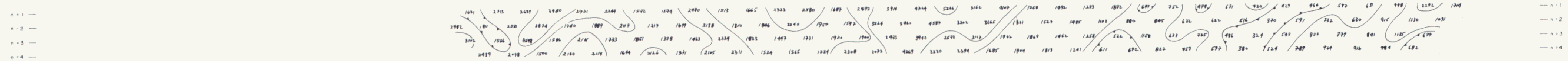
CURRENT ELECTRODE WEST OF POTENTIAL ELECTRODE
DIPOLE SEPARATION $a' = 25$ METRES
TIME DELAY - 200 MILLI-SECONDS
SAMPLING TIME - 1000 MILLI-SECONDS
RECEIVER - HUNTEC MARK IV
TRANSMITTER - PHOENIX IPT

CONTOUR INTERVAL
APPARENT RESISTIVITY - 700, 1000, 2000, etc.
APPARENT CHARGEABILITY - 5, 10, 15, 20, etc.

SURVEY BY
PETER E. HALCOTT & ASSOC. LTD.
JULY - 1986

091:54

1050 SOUTH 1000-S 950-S 900-S 850-S 800-S 750-S 700-S 650-S 600-S 550-S 500-S 450-S 400-S 350-S 300-S 250-S 200-S 150-S 100-S 50-S BASE LINE 50-N 100-N 150-N 200-N 250 NORTH



ARBOR RESOURCES INC.

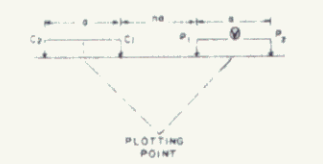
LONESTAR GRID; DAWSON AREA, Y.T.

LINE 0+60 WEST



INDUCED POLARIZATION SURVEY

DIPOLE - DIPOLE ELECTRODE CONFIGURATION



CURRENT ELECTRODE NORTH OF POTENTIAL ELECTRODE
 DIPOLE SEPARATION $a = 25$ METRES
 TIME DELAY - 200 MILLI-SECONDS
 SAMPLING TIME - 1000 MILLI-SECONDS
 RECEIVER - HUNTEC MARK IV, EDA
 TRANSMITTER - PHOENIX IPT; HUNTEC MARK IV
 CONTOUR INTERVAL
 APPARENT RESISTIVITY - 5, 7, 10, 20, 30, 50, 70, 100, 200, 300, 500, 700, 1000, 2000, ∞
 APPARENT CHARGEABILITY - 0, 5, 10, 15, 20, ∞

SURVEY BY
 PETER E. WALCOTT & ASSOC. LTD.
 OCT - NOV - 1986

1493

091754

ARBOR RESOURCES INC.
LONE STAR GRID
DAWSON AREA, Y.T.

LINE 1+20 WEST



INDUCED POLARIZATION SURVEY

DIPOLE - DIPOLE
ELECTRODE CONFIGURATION



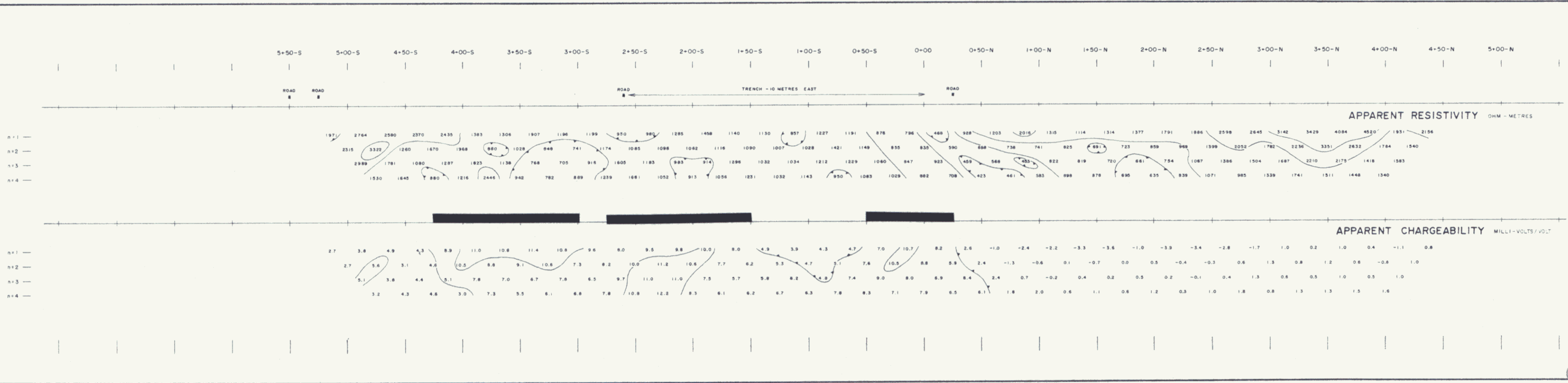
PLOTTING POINT

CURRENT ELECTRODE NORTH OF POTENTIAL ELECTRODE
DIPOLE SEPARATION $1a$ = 25 METRES
TIME DELAY - 200 MILLI-SECONDS
SAMPLING TIME - 1000 MILLI-SECONDS
RECEIVER - HUNTEC MARK IV
TRANSMITTER - PHOENIX IPT1
CONTOUR INTERVAL
APPARENT RESISTIVITY - 500, 700, 1000, 2000, 3000, 5000, etc.
APPARENT CHARGEABILITY - 5, 10, 15, 20, etc.

SURVEY BY
PETER E WALCOTT & ASSOC LTD
JULY - 1986

091754

1492



1050 SOUTH

1000-S

950-S

900-S

850-S

800-S

750-S

700-S

650-S

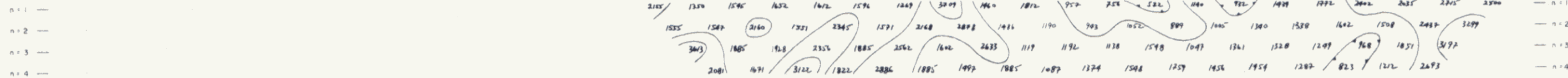
600-S

550-S

500-S

450 SOUTH

APPARENT RESISTIVITY OHM - METRES



APPARENT CHARGEABILITY MILLI-VOLTS / VOLT



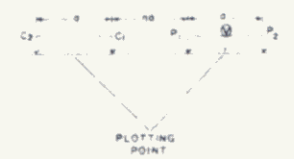
ARBOR RESOURCES INC.
LONESTAR GRID ; DAWSON AREA , Y.T.

LINE 1+20 WEST



INDUCED POLARIZATION SURVEY

DIPOLE - DIPOLE
ELECTRODE CONFIGURATION



CURRENT ELECTRODE NORTH OF POTENTIAL ELECTRODE
 DIPOLE SEPARATION "a" = 25 METRES
 TIME DELAY - 200 MILLI-SECONDS
 SAMPLING TIME - 1000 MILLI-SECONDS
 RECEIVER - HUNTEC MARK IV, EDA IP 2
 TRANSMITTER - PHOENIX IPT 1, HUNTEC MARK IV
 CONTOUR INTERVAL
 APPARENT RESISTIVITY - 5, 7, 10, 20, 30, 50, 70, 100, 200,
 300, 500, 700, 1000, 2000, etc.
 APPARENT CHARGEABILITY - 0.5, (7), 10, 15, 20, etc.

SURVEY BY
PETER S WALCOTT & ASSOC LTD

09 17 54

OCT - NOV - 1986

1490

ARBOR RESOURCES INC.
LONE STAR GRID
DAWSON AREA, Y.T.

LINE 2+40 WEST



INDUCED POLARIZATION SURVEY

DIPOLE - DIPOLE
ELECTRODE CONFIGURATION



PUSHING POINT

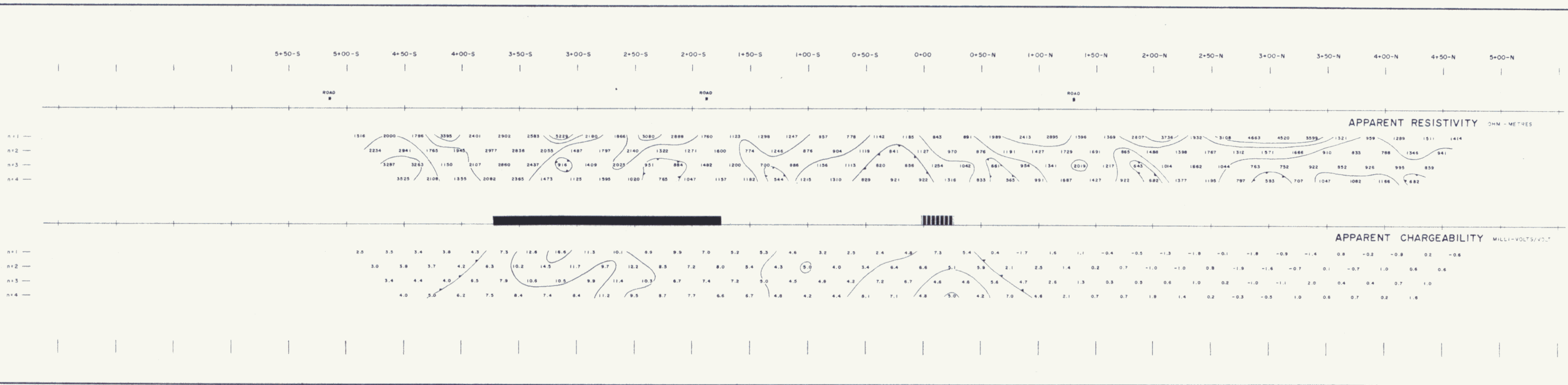
CURRENT ELECTRODE NORTH OF POTENTIAL ELECTRODE
DIPOLE SEPARATION IS - 25 METRES
TIME DELAY - 200 MILLI-SECONDS
SAMPLING TIME - 100 MILLI-SECONDS
RECEIVER - HUNTEC MARK IV
TRANSMITTER - PHOENIX IRT

CONTOUR INTERVAL
APPARENT RESISTIVITY - 700, 1000, 2000, 3000, 5000, etc

APPARENT CHARGEABILITY - 5, 10, 15, 20, etc

SURVEY BY
PETER E. WALCOTT & ASSOC. LTD.
JULY - 1986

1489



1050 SOUTH

1000-S

950-S

900-S

850-S

800-S

750-S

700-S

650-S

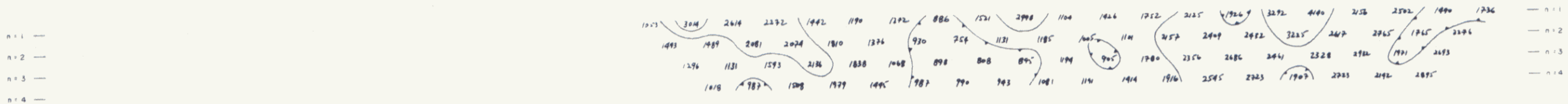
600-S

550-S

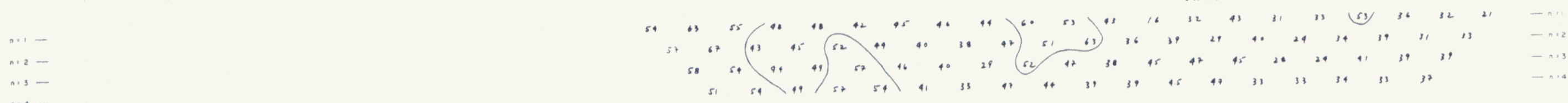
500-S

450 SOUTH

APPARENT RESISTIVITY OHM - METRES



APPARENT CHARGEABILITY MILLI-VOLTS / VOLT



ARBOR RESOURCES INC.
 LONESTAR GRID ; DAWSON AREA , Y.T.
LINE 2+40 WEST



INDUCED POLARIZATION SURVEY

DIPOLE - DIPOLE
 ELECTRODE CONFIGURATION



CURRENT ELECTRODE NORTH OF POTENTIAL ELECTRODE
 DIPOLE SEPARATION 'a' - 25 METRES
 TIME DELAY - 200 MILLI-SECONDS
 SAMPLING TIME - 1000 MILLI-SECONDS
 RECEIVER - HUNTEC MARK IV, EDA 1P2
 TRANSMITTER - PHOENIX IPT1, HUNTEC MARK IV
 CONTOUR INTERVAL
 APPARENT RESISTIVITY - 5, 7, 10, 20, 30, 50, 70, 100, 200,
 300, 500, 700, 1000, 2000, etc.
 APPARENT CHARGEABILITY - 0, 5, (7), 10, 15, 20, etc.

SURVEY BY
 PETER E WALCOTT B ASSOC LTD

09 17 54

OCT - NOV - 1986

1488

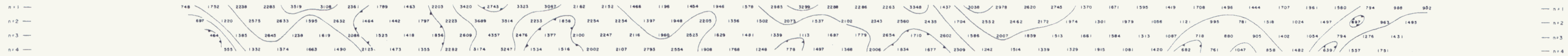
8+50-S 8+00-S 7+50-S 7+00-S 6+50-S 6+00-S 5+50-S 5+00-S 4+50-S 4+00-S 3+50-S 3+00-S 2+50-S 2+00-S 1+50-S 1+00-S 0+50-S 0+00 0+50-N 1+00-N 1+50-N 2+00-N 2+50-N 3+00-N 3+50-N

ROAD

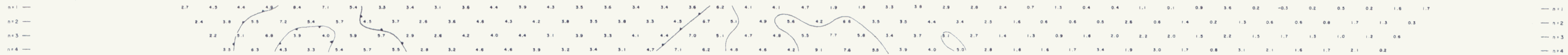
ROAD

ROAD

APPARENT RESISTIVITY OHM - METRES



APPARENT CHARGEABILITY MILLI-VOLTS / VOLT



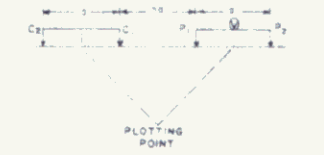
ARBOR RESOURCES INC.
LONE STAR GRID
DAWSON AREA, Y.T.

LINE 3+60 WEST



INDUCED POLARIZATION SURVEY

DIPOLE - DIPOLE
ELECTRODE CONFIGURATION



CURRENT ELECTRODE NORTH OF POTENTIAL ELECTRODE
DIPOLE SEPARATION "a" - 25 METRES
TIME DELAY - 200 MILLI-SECONDS
SAMPLING TIME - 1000 MILLI-SECONDS
RECEIVER - HUNTEC MARK IV
TRANSMITTER - PHOENIX IPT
CONTOUR INTERVAL
APPARENT RESISTIVITY - 500, 700, 1000, 2000, 3000, 5000, etc
APPARENT CHARGEABILITY - 5, 10, 15, 20, etc

SURVEY BY
PETER E WALCOTT & ASSOC. LTD
JULY - 1986

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1487

ARBOR RESOURCES INC.

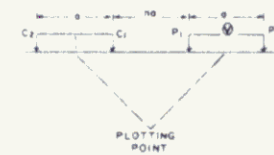
LONESTAR GRID; DAWSON AREA, Y.T.

LINE 3+60 WEST



INDUCED POLARIZATION SURVEY

DIPOLE - DIPOLE
ELECTRODE CONFIGURATION



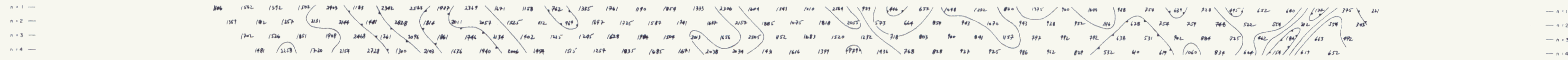
CURRENT ELECTRODE NORTH OF POTENTIAL ELECTRODE
 DIPOLE SEPARATION $a = 25$ METRES
 TIME DELAY - 200 MILLI-SECONDS
 SAMPLING TIME - 1000 MILLI-SECONDS
 RECEIVER - HUNTEC MARK IV, EDA
 TRANSMITTER - PHOENIX TPT1, HUNTEC MARK IV
 CONTOUR INTERVAL
 APPARENT RESISTIVITY - 5, 7, 10, 20, 30, 50, 70, 100, 200, 300, 500, 700, 1000, 2000, etc.
 APPARENT CHARGEABILITY - 0, 5, (7), 10, 15, 20, etc.

SURVEY BY
 PETER E WALCOTT & ASSOC. LTD.
 091754 OCT - NOV - 1986

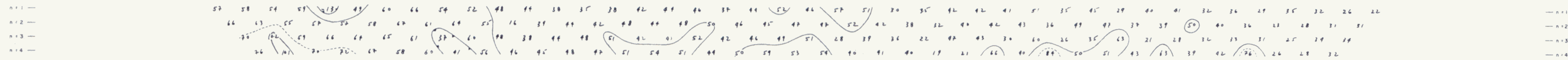
1486

1950 SOUTH 1900-S 1850-S 1800-S 1750-S 1700-S 1650-S 1600-S 1550-S 1500-S 1450-S 1400-S 1350-S 1300-S 1250-S 1200-S 1150-S 1100-S 1050-S 1000-S 950-S 900-S 850-S 800-S 750 SOUTH

APPARENT RESISTIVITY OHM - METRES

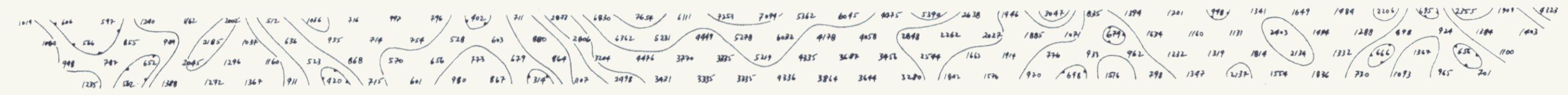


APPARENT CHARGEABILITY MILLI-VOLTS / VOLT



1050 SOUTH 1000-S 950-S 900-S 850-S 800-S 750-S 700-S 650-S 600-S 550-S 500-S 450-S 400-S 350-S 300-S 250-S 200-S 150-S 100-S 50-S BASE LINE 50-N 100-N 150-N 200-N 250 NORTH

APPARENT RESISTIVITY OHM - METRES



APPARENT CHARGEABILITY MILLI-VOLTS / VOLT



ARBOR RESOURCES INC.

LONESTAR GRID, DAWSON AREA, Y.T.

LINE 6+00 WEST



INDUCED POLARIZATION SURVEY

DIPOLE - DIPOLE
ELECTRODE CONFIGURATION



PLOTTING POINT

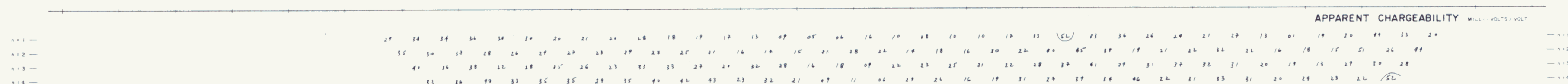
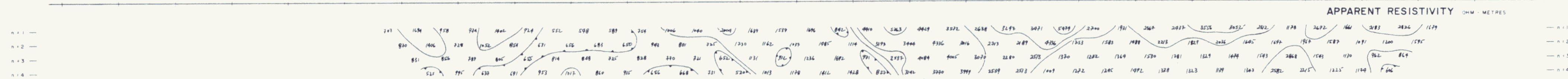
CURRENT ELECTRODE NORTH OF POTENTIAL ELECTRODE
DIPOLE SEPARATION $a = 25$ METRES
TIME DELAY - 200 MILLI-SECONDS
SAMPLING TIME - 1000 MILLI-SECONDS
RECEIVER - HUNTEC MARK IV EDA
TRANSMITTER - PHOENIX IPT HUNTEC MARK IV

CONTOUR INTERVAL
APPARENT RESISTIVITY - 5, 7, 10, 20, 30, 50, 70, 100, 200, 300, 500, 700, 1000, 2000, etc.
APPARENT CHARGEABILITY - 0, 5, 10, 15, 20, etc.

SURVEY BY
PETER E. WILCOTT & ASSOC. LTD.
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1484

1050 SOUTH 1000-S 950-S 900-S 850-S 800-S 750-S 700-S 650-S 600-S 550-S 500-S 450-S 400-S 350-S 300-S 250-S 200-S 150-S 100-S 50-S BASE LINE 50-N 100-N 150-N 200-N 250 NORTH



ARBOR RESOURCES INC.
LONESTAR GRID, DAWSON AREA, Y.T.

LINE 7+20 WEST



INDUCED POLARIZATION SURVEY

DIPOLE - DIPOLE
ELECTRODE CONFIGURATION



PLOTTING POINT

CURRENT ELECTRODE NORTH OF POTENTIAL ELECTRODE
DIPOLE SEPARATION a = 25 METRES
TIME DELAY - 200 MILLI-SECONDS
SAMPLING TIME - 1000 MILLI-SECONDS
RECEIVER - HUNTEC MARK IV, EDA
TRANSMITTER - PHOENIX (PT), HUNTEC MARK IV

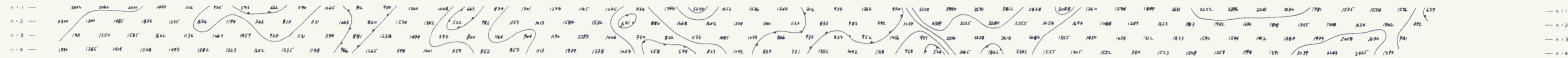
CONTOUR INTERVAL
APPARENT RESISTIVITY - 5, 7, 10, 20, 30, 50, 100, 200, 300, 500, 700, 1000, 2000 OHM
APPARENT CHARGEABILITY - 0, 5, 10, 15, 20, etc

SURVEY BY
PETER E. WALCOTT & ASSOC. LTD.

091754

OCT - NOV - 1986
1483

1050 SOUTH 1000-S 950-S 900-S 850-S 800-S 750-S 700-S 650-S 600-S 550-S 500-S 450-S 400-S 350-S 300-S 250-S 200-S 150-S 100-S 50-S BASE LINE 50-N 100-N 150-N 200-N 250 NORTH

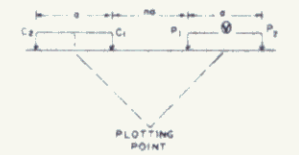


ARBOR RESOURCES INC.
LONESTAR GRID; DAWSON AREA, Y.T.
LINE 8+10 WEST



INDUCED POLARIZATION SURVEY

DIPOLE - DIPOLE
ELECTRODE CONFIGURATION



CURRENT ELECTRODE NORTH OF POTENTIAL ELECTRODE
DIPOLE SEPARATION $a = 25$ METRES
TIME DELAY - 200 MILLI-SECONDS
SAMPLING TIME - 1000 MILLI-SECONDS
RECEIVER - HUNTEC MARK IV, EDA
TRANSMITTER - PHOENIX (PT); HUNTEC MARK IV
CONTOUR INTERVAL
APPARENT RESISTIVITY - 5, 7, 10, 20, 30, 50, 70, 100, 200, 300, 500, 700, 1000, 2000, etc
APPARENT CHARGEABILITY - 0.5, 1, 1.5, 2, etc

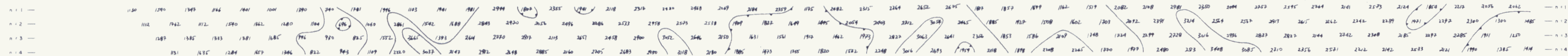
SURVEY BY
PETER E. WALCOTT & ASSOC. LTD.

091754

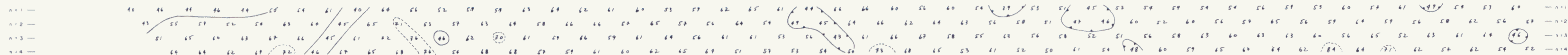
OCT - NOV - 1986
1482

2300 SOUTH 2250-S 2200-S 2150-S 2100-S 2050-S 2000-S 1950-S 1900-S 1850-S 1800-S 1750-S 1700-S 1650-S 1600-S 1550-S 1500-S 1450-S 1400-S 1350-S 1300-S 1250-S 1200-S 1150-S 1100-S 1050-S 1000 SOUTH

APPARENT RESISTIVITY OHM - METRES



APPARENT CHARGEABILITY MILLI-VOLTS / VOLT



ARBOR RESOURCES INC.
LONESTAR GRID; DAWSON AREA, Y.T.
LINE 8+10 WEST



INDUCED POLARIZATION SURVEY

DIPOLE - DIPOLE
ELECTRODE CONFIGURATION

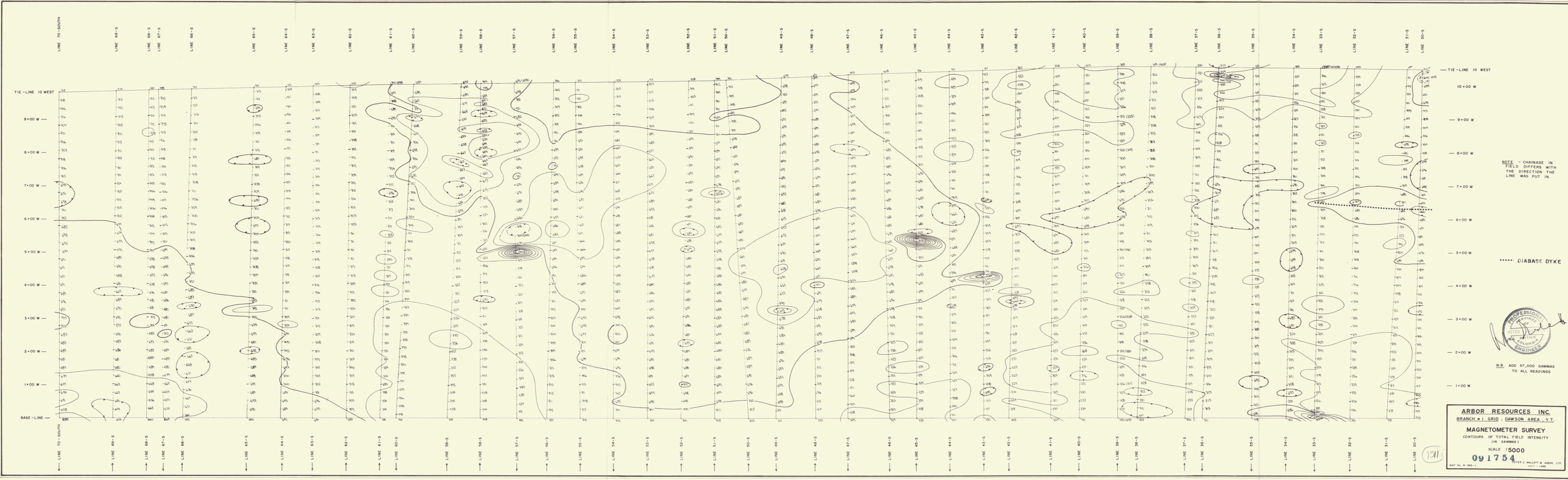


PLOTTING POINT

CURRENT ELECTRODE NORTH OF POTENTIAL ELECTRODE
DIPOLE SEPARATION a - 25 METRES
TIME DELAY - 200 MILLI-SECONDS
SAMPLING TIME - 1000 MILLI-SECONDS
RECEIVER - HUNTEC MARK IV, EDA
TRANSMITTER - PHOENIX (PT), HUNTEC MARK IV
CONTOUR INTERVAL
APPARENT RESISTIVITY - 5, 7, 10, 20, 30, 50, 70, 100, 200, 300, 500, 700, 1000, 2000, etc.
APPARENT CHARGEABILITY - 0.5, 1, 2, 10, 15, 20, etc.

SURVEY BY
PETER E. WALCOTT & ASSOC. LTD.
OCT - NOV - 1986

091754 (1480)



NOTE - CHAINAGE IN FIELD DIFFERS WITH THE DIRECTION THE LINE WAS PUT IN.

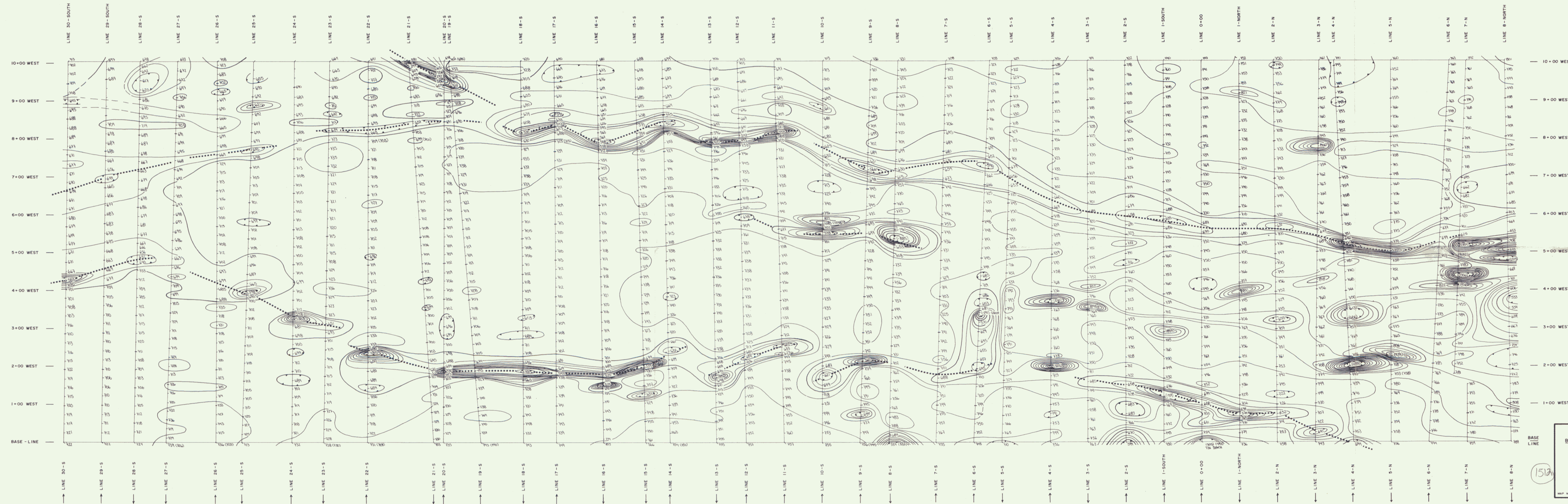
..... DIABASE DYKE



N.B. ADD 57,000 GAMMAS TO ALL READINGS

ARBOR RESOURCES INC.
 BRANCH #1 GRID: DAWSON AREA, Y.T.
MAGNETOMETER SURVEY
 CONTOURS OF TOTAL FIELD INTENSITY
 (IN GAMMAS)
 SCALE 1:5000
091754
 PETER E. WALCOTT & ASSOC. LTD.
 JULY - 1988

151



NOTE - CHAINAGE IN FIELD DIFFERS WITH THE DIRECTION THE LINE WAS PUT IN.

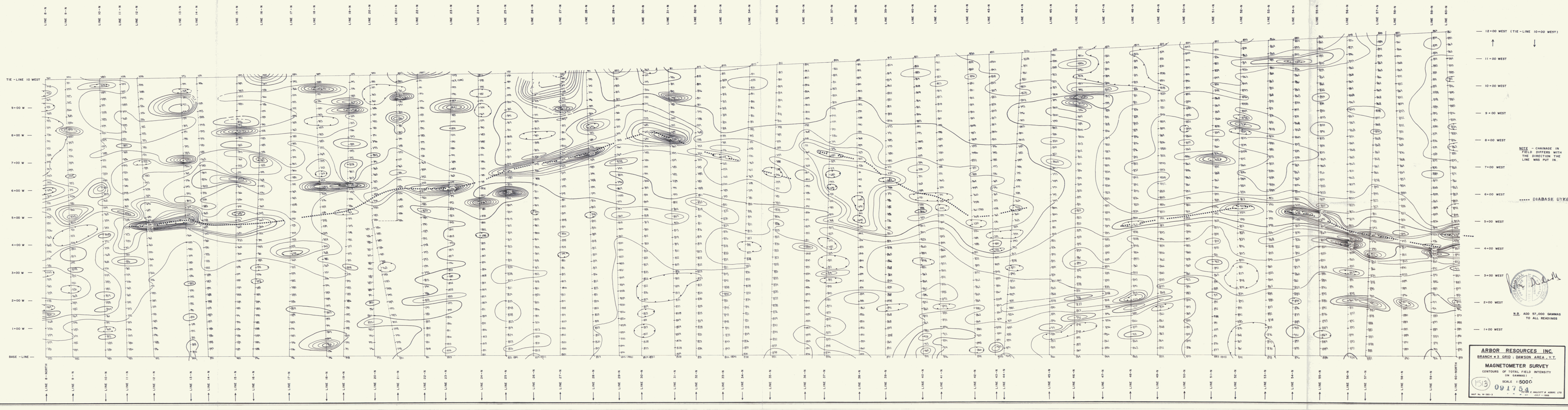
***** DIABASE DYKE

N.B. ADD 57,000 GAMMAS TO ALL READINGS

ARBOR RESOURCES INC.
 BRANCH # 2 GRID ; DAWSON AREA , Y.T.
MAGNETOMETER SURVEY
 CONTOURS OF TOTAL FIELD INTENSITY
 (IN GAMMAS)
 SCALE 1:5000
091754
 PETER E. WALCOTT & ASSOC. LTD.
 JULY - 1986
 MAP No. W-303-2



1512



NOTE - CHAINAGE IN FIELD DIFFERS WITH THE DIRECTION THE LINE WAS PUT IN.

---- DIABASE DYKE

N.B. ADD 57,000 GAMMAS TO ALL READINGS

ARBOR RESOURCES INC.
 BRANCH # 3 GRID : DAWSON AREA , Y. T.

MAGNETOMETRIC SURVEY
 CONTOURS OF TOTAL FIELD INTENSITY
 (IN GAMMAS)

SCALE 1:500 G
 091754

MAP No. W-100-3
 PETER E. WALCOTT & ASSOC. LTD.
 JULY - 1986

2+00 WEST

1+00 WEST

BASE - LINE

1+00 EAST

2+00 EAST

3+00 EAST

4+00 EAST

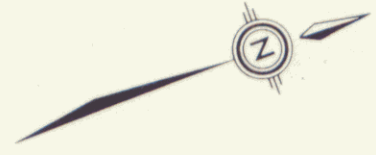
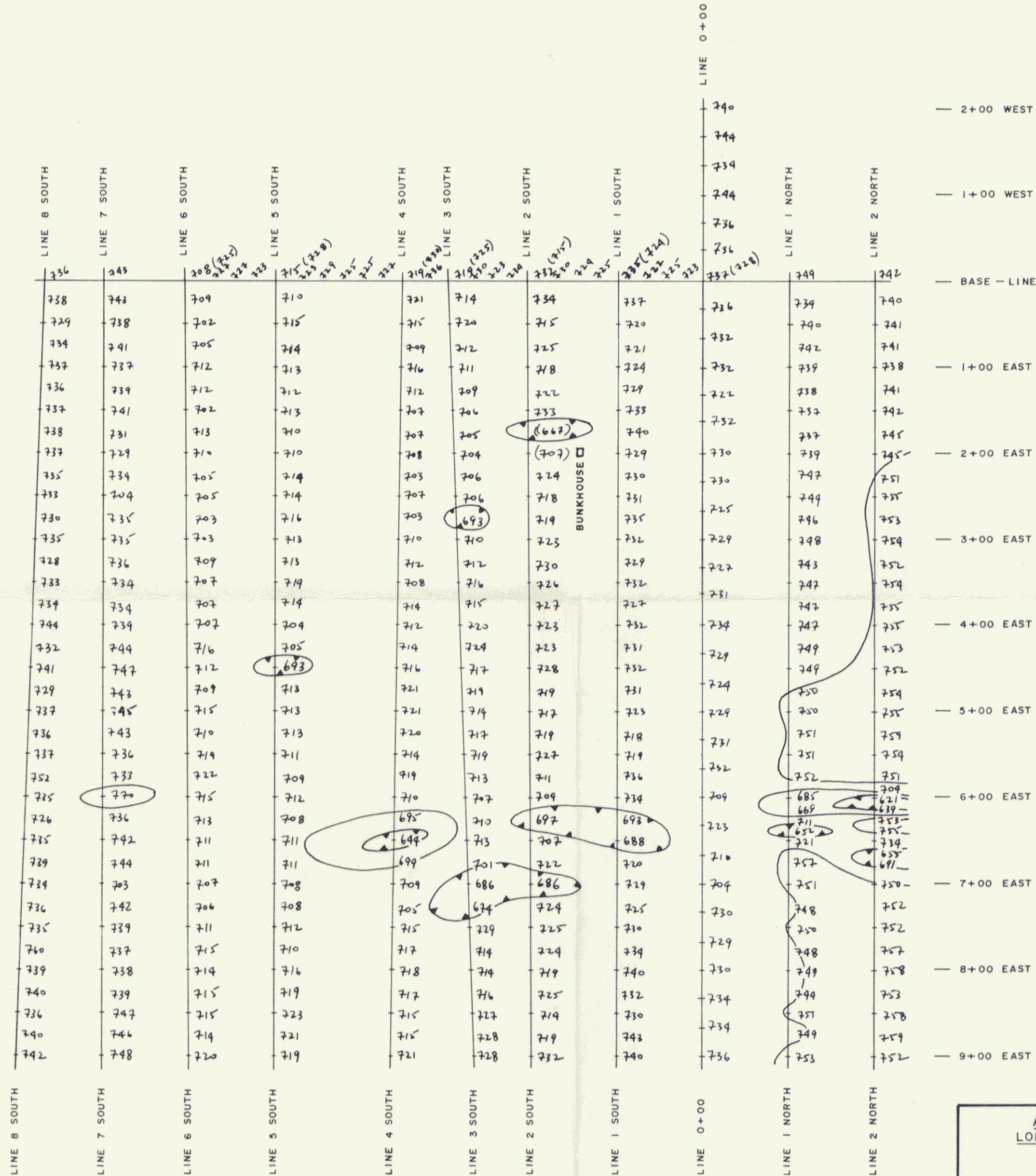
5+00 EAST

6+00 EAST

7+00 EAST

8+00 EAST

9+00 EAST



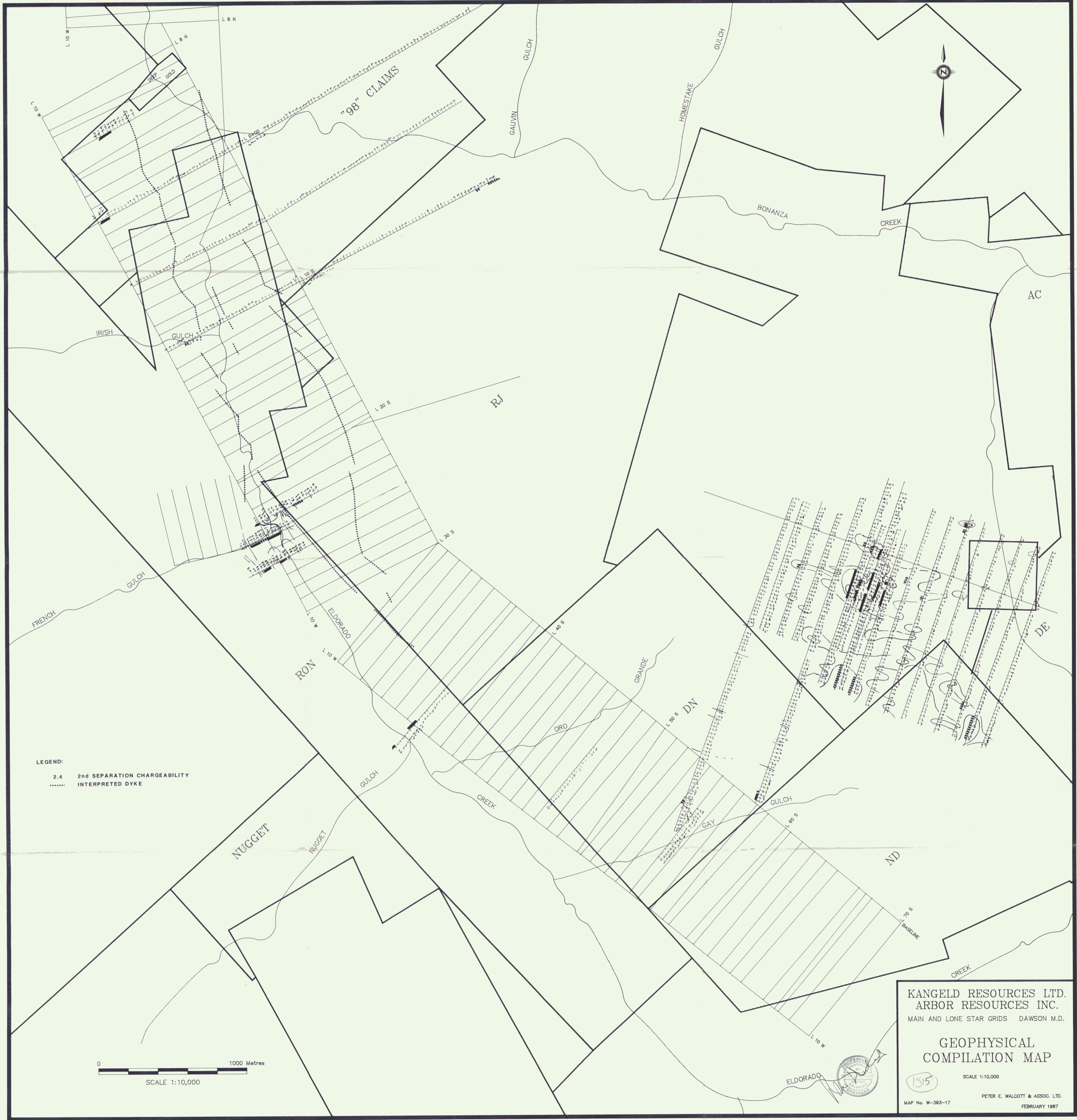
PROFESSIONAL
 ENGINEER
 OF
 THE
 PROVINCE OF
 BRITISH
 COLUMBIA
 PETER D. [Signature]

N.B. ADD 57,000 GAMMAS
 TO ALL READINGS

ARBOR RESOURCES INC.
 LONESTAR GRID ; DAWSON AREA , Y.T.

MAGNETOMETER SURVEY
 CONTOURS OF TOTAL FIELD INTENSITY
 (IN GAMMAS)
 SCALE 1:5,000
 091754

MAP No. W - 393 - 12 JULY - 1986



LEGEND:
 2.4 2nd SEPARATION CHARGEABILITY
 INTERPRETED DYKE

0 1000 Metres
 SCALE 1:10,000

KANGELD RESOURCES LTD.
 ARBOR RESOURCES INC.
 MAIN AND LONE STAR GRIDS DAWSON M.D.

**GEOPHYSICAL
 COMPILATION MAP**

SCALE 1:10,000

PETER E. WALCOTT & ASSOC. LTD.
 MAP No. W-393-17
 FEBRUARY 1987



1515

091754



"83" CLAIMS

ZIP

BASELINE 0+00

L 10W

L 60 N

BONANZA

GULCH

MOSQUITO

L 50 N

WILD

WILLIAM

CREEK

GULCH

WILD

CARD

L 40 N

FILLER 2

QUEEN

FILLER 3

FILLER 4

2.4

.....

.....

.....

.....

.....

SYNDICATE

CREEK

"98" CLAIMS

GULCH

LEGEND:

2.4 2nd SEPARATION CHARGEABILITY
..... INTERPRETED DYKE

L 8 N

L 8 N

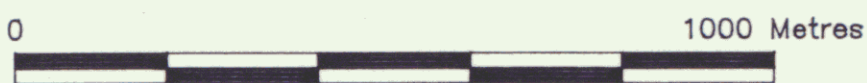
DEEP

GOLD

L 0+00

GAUVIN

L 10 S



SCALE 1:10,000

KANGELD RESOURCES LTD.
ARBOR RESOURCES INC.
MAIN GRID DAWSON MINING DISTRICT

GEOPHYSICAL
COMPILATION MAP

SCALE 1:10,000

PETER E. WALCOTT & ASSOC. LTD.

MAP NO. W-393-18

DATE: FEBRUARY 1987



1516

091754