IP/RESISTIVITY RESULTS
ON THE KEHOE-RIDDELL PROPERTY
CLARENDON TWP., ONTARIO

for

ARDOCH SYNDICATE

by

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Exploration Geophysical Consultant
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INTRODUCTION

As a consequence of a prior geophysical surveying by magnetic and V.L.F. (radio) em. methods on this property, a recommendation was made to investigate certain selected sections with IP/resistivity in the hope that more could be learned about the distribution sub-surface of sulphides with which gold in the area is commonly associated.

After some suitable preparation of line, this work was in fact carried out in the latter half of May '87. Results proved encouraging. This outcome immediately engendered plans for a complete surveying of the property.

However because of financial and other restrictions, such work was not effected until late August '87 - early September '87. Again a suitable line preparation had to be undertaken.

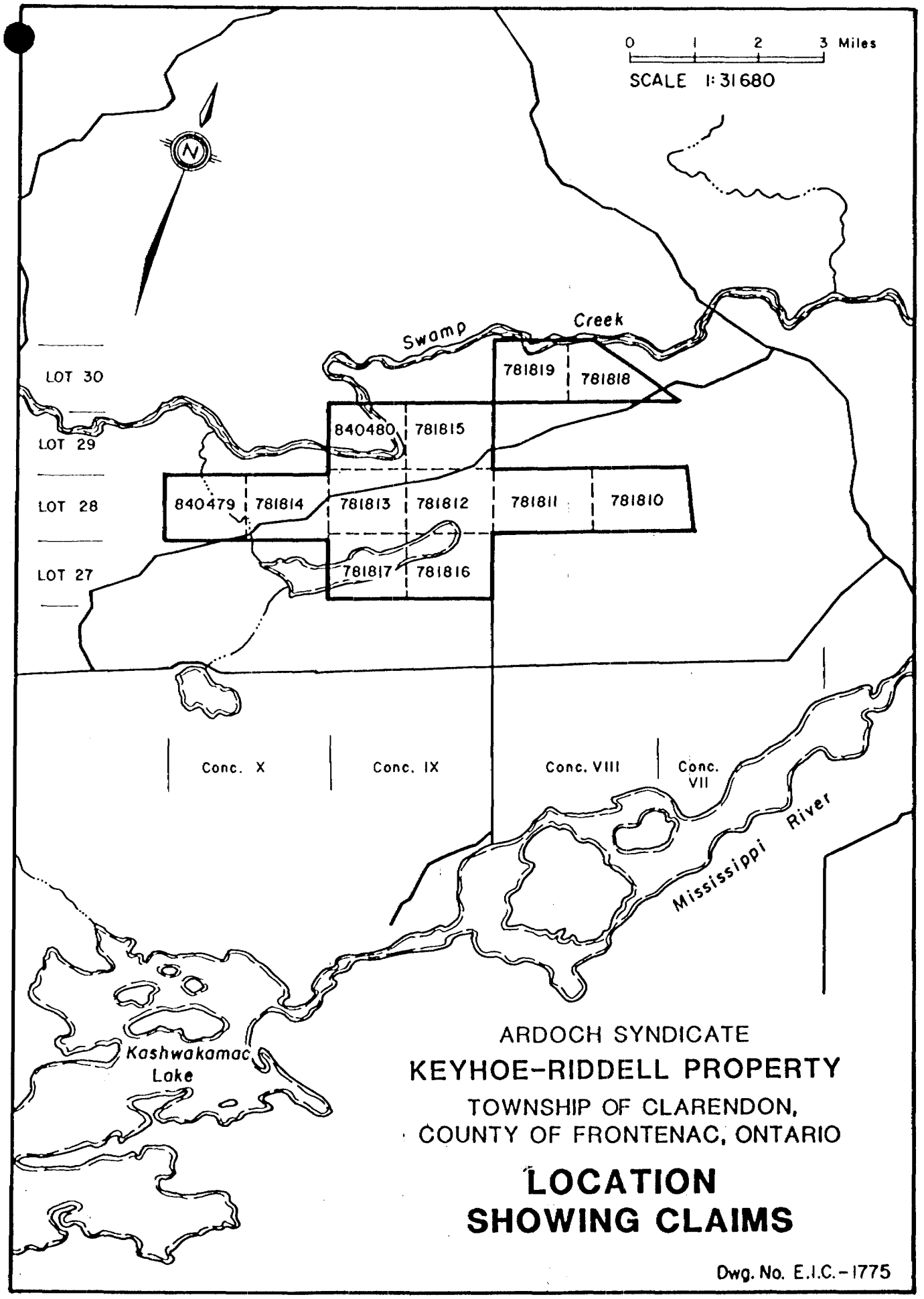
Results from both instalments of work have subsequently been melded and are here brought together in a standard set of contoured pseudo-sections coupled to plan presentations of the underlying changes. Data significance is discussed herein, leading to recommendations and, as it turns out, to drill lay-outs.

DESCRIPTION OF PROPERTY

The property as presently constituted is composed of 12 unpatented mineral claims, each nominally of 50 acres (20.2 hectares). Several of the claims however are of irregular shape, and they affect the property outline (Dwg. No. EIC-1775). In addition, there exist 2 alien patented claims which together form a salient in the property east side. Nevertheless all claims of the group are contiguous.

The property is wholly located in Clarendon Township, County of Frontenac, Eastern Ontario Mining Division. The specifics and status of the individual claims comprising it are as follows:

Claims Nos.	Range	Lot	No. of Claims	Twp.	Due Date
EO 781810,11	VIII	28	2	Clarendon	16 Sept '87
781812,13	IX	28	2	"	"
781814	X	28	1	"	"
781815	IX	29	1	"	"
781816,17	IX	27	2	"	"
781818,19	VIII	30	2	"	"
840479	X	28	1	"	10 Feb.'88
840480	IX	29	1	"	"
			12		


0 1 2 3 Miles
SCALE 1:31680
N
Swamp Creek
LOT 30
LOT 29
LOT 28
LOT 27
781819
781818
840480
781815
840479
781814
781813
781812
781811
781810
781817
781816
Conc. X
Conc. IX
Conc. VIII
Conc. VII
Mississippi River
Kashwakamac Lake
ARDOCH SYNDICATE
KEYHOE-RIDDELL PROPERTY
TOWNSHIP OF CLARENDON,
COUNTY OF FRONTENAC, ONTARIO
LOCATION
SHOWING CLAIMS
Dwg. No. E.I.C.-1775

These claims are presently registered in the name of Clinton Kehoe, R.R. #1, Tichborne, Ontario.

The encompassed ground is quite lumpy and provides a fair amount of rock exposure. In between the higher relief, sections of swamp exist which can be quite marked as topographic depressions. The land surface is forested for the most part, hardwood trees on the well drained slopes, conifers on the poorer ground and in the swamps.

Some of the area has been farmed in the past and certain open fields are still being used for grazing. Barbed wire fences occur in places but none of these are grounded. The chief cultural component of the area, and the one which most drastically affects the geophysical data, is a power line right-of-way which cuts through the heart of the property longitudinally. No less than 5 high tension transmission lines occupy this corridor at times. Their effect on the collected V.L.F. and magnetic measurements in the vicinity have been profound. They represent consequentially a potential noise source to IP measurements as well.

DETAILS OF SURVEY

The requirements of survey demanded that the previous pace and compass lines be cut out and chained and picketed before the proposed multispacing induced polarization (IP) traversing be undertaken. All stations were marked with the appropriate grid co-ordinates to ensure a reliable placement of electrodes on line.

As earlier noted, the IP/resistivity surveying of the property was carried out in two stages, the first to screen favoured sections as a matter of priority but also to orient the method in the environment. For the record, this stage comprised the following:

Line	Section
800W	225S - 350N
600W	125S - 300N
400W	100S - 350N
200W	25S - 350N
100W	BL - 500N
00	BL - 400N
100E	200S - 500N
200E	200S - 850N
300E	25S - 550N
400E	50S - 950N
600E	50S - 825N

Line	Section
700E	50S - 525N
800E	50S - 450N
900E	50N - 450N
1000E	50S - 1000N
175N	250E - 550E

The second stage took in all the remaining lines of the grid and all the remaining sections, with the exception of Swaugers Lake. As heretofore, by virtue of agreements made with the owners, the two patented claims intruding from the E side have been incorporated into the coverage to permit a full traversing to the property outside limits without interruption.

The survey itself was conducted with pulse-transient equipment (Phoenix IPT1 transmitter, Huntec Mk IV receiver) under contract to Claridge La Rose Geophysics Ltd. of Bracebridge, Ontario, and was completed between the May - September 1987. The electrode array employed throughout was the dipole-dipole at a fundamental 'a' spacing of 25 m, and with the 'na' distance between dipole pairs successively varied over the equivalent of n=1 to n=4. No major problems were encountered in actual survey.

DISCUSSION OF RESULTS

A. General

In general, the collected data appear of good quality. They are credible and authoritative for the most part.

A quite fair amount of IP anomaly has been obtained; each traverse section in fact has some variance on it, even if of low order. Moreover where there is true anomaly (> 20 msecs), there is a range of anomaly type involved, from the classic finite source anomaly, some with lowered resistivities, to the rather shapeless response with neutral or heightened resistivities. All anomalies are of interest at this stage.

The resistivity range itself is quite immense. Some extraordinary highs and lows exist, viz. maxima in excess of 70,000 ohm-metres, minima as low as 5 ohm-metres, these commonly reflecting the often abrupt changes from bald outcrop to swamp in the area. There are thus some environmental effects in the data which give rise to strongly varying background levels for both chargeability and resistivity.

The swamps physiographically occupy valleys between sharply higher ground, and patently are the seat of major faulting. Not surprisingly, introduced currents flow along them preferentially, sometimes in so doing in the opposite direction than dictated by convention. The result in such circumstances is

the recording of negative chargeabilities through the affected sections. The supreme example is supplied by line 400E which runs at a low angle across a central swamp clearly crosscutting the geologic grain of the country. As a way to counter this effect in this case, a single E-W line, viz. 175N, has been put in and surveyed to check bedrock change and to establish the realities of current flow.

Another factor which can not be ignored in any electrical surveying of this area is the power-line corridor. Even though of all methods applied it seems the IP/resistivity has been least affected by this noise source, there is evidence that erratic currents do enter the data from place to place, particularly in the vicinity of the pylons. A certain caution therefore needs to be exercised in reviewing results for each section as it passes under these power lines.

In consequence of these various considerations, no systematic attempt has been made to normalize the IP response to resistivity, since in the circumstances this determination (the so-called metal factor) would unduly distort the data, and above all likely suppress some of the very anomalies that are sought.

B. In Detail

i) The Weber Showing

An unmistakable IP system has been developed passing

through the Weber showing setting. It is at least 600 m in strike extent, bearing NE and roughly linear. It is terminated by faulting at its northeast end, and apparently disappears into Swaugers Lake to the southwest. It is a system accompanied by high resistivities, and given the order of values involved (up to 40,000 ohm-metres), a highly siliceous host can be presumed. The chargeabilities of the system represent anomaly strengths of approximately twice-background for these levels of resistivity. Sulphides in amounts of less than 10% are considered responsible over much of the system length.

The stronger, more definitive anomalies occur in the showing proximity. Chargeabilities on the average 20 msecs or better combine here with resistivities which have dropped to the comparatively modest levels of 12,000-14,000 ohm metres. The implication in consequence is that there is a lot more sulphides (>10%) in this immediate setting than has been revealed or taken out of the trench/pits on the showing. The past drilling in the locality has been so concentrated and evidently depth-confined that with respect to present indications it does not constitute an adequate testing. The IP results in reality demand that a more exhaustive cross-sectional drilling be effected at this prospect site, and laterally along strike. Given the persistently high gold assays (>0.5 oz/ton) which have been returned from samples taken from vein material here, a high priority must be attached to such fuller testing, given the embracing polarization system now defined.

ii) The Boerth Showing

By contrast, the Boerth showing is nowhere as responsive in IP terms. At the principal showing (circa 375N/900E), a weak chargeability high (16.0 msecs) has been obtained, which when related to its resistivity context (17,500 ohm-metres) might be said to rise barely out of background. There is overall a lack of distinctiveness in consequence, and despite the strong evidence of shearing locally, it is difficult to discern any new hidden potential in consequence. This showing area in fact has had far more recent attention directed to it than the Weber, but the findings of important mineralization have been limited (A.C.A. Howe & Associates Ltd.). Thus the present evidence suggests that what has been described geophysically is compatible with what is already known geologically.

This outcome is significant as to how prospects are viewed elsewhere in the property area. If this, the most closely investigated and widely reported premier showing in the region, is rated a minor occurrence by the geophysics, the much stronger situations defined by the same geophysics in other localities loom with a heightened and beckoning gold potential, all other things being equal. On this basis then, the Weber, and other sections of the property are more prospective than the Boerth showing locality.

iii) Boerth South Trench

On the line 800E section which passes through the Boerth environment, the largest IP anomaly actually observed peaks at 225N on the flank of a very high resistivity feature. Again the measured values are rather daunting, viz. 17.2 msecs coinciding with 42,100 ohm-metres, and again together they might be considered to constitute a very small departure from background. However a trench exists at this location from which samples assaying 2.4 ozs/ton Au were taken. Although quite comparable with the Boerth in size terms, -- there is evident a strike extent of about 300 m --, this prospect has never been drilled. It thus offers an alternative target by which the relative significance of the applied geophysics to gold in this broad locality can be gauged.

iv) Fold Axis System

One of the most startling IP results to come out of the survey is the long axis of anomaly which has been defined on all 10 lines 100E to 800W at about 250N. While patently faulted off at each end, it is nonetheless a unique system on two counts: it shows a tendency in places to correlate with fairly pronounced resistivity lows, and it coincides closely throughout its 900 m length with the anticlinal fold axis projected through this area by regional geology. It also falls in the power-line corridor over much of this distance.

These associations tend to imply a structural system which carries significant amounts of sulphides or graphite. Graphite is not known in the environment, but since it is regressive by nature and unlikely to outcrop, it can not be totally excluded, at least as part-cause to the conductivity/ polarization effecttts observed. However the concepts that a sulphide-rich fluid incursion has been trapped along the crest of the fold is an exciting alternative, and one which better fits the geologic probabilities of the region. Moreover this fold axis has been extended through the Boerth itself and thus if sulphides are indeed involved, there is the excellent chance they will prove auriferous.

The system is not homogeneous in its details and can at times be complex, potentially involving more than one source e.g. on line 2W. On line 4W, there is no evidence of a resistivity low at all, rather a broad and substantial high (50,000 ohm-metres). Such variations, while appropriate to a hydrothermal system, have their disturbing undertones: viz. the resistivities here may be more affected by the power-line installations than hitherto recognized. However the chargeabilities ought not be so much at risk, and interestingly, the one anomalous soil value in gold (145 ppb) obtained by Selco in its 1980 sampling of the one claim 781812 falls on the system at 200N on line 100W. A drill testing of the system here thus would be most appropriate.

v) Boerth West Zone

A salient IP anomaly of over 40 secs amplitude has been resolved at 325N on line 500E. So located, it falls exactly on the fold axis of the previous system and thus may well be part of it.

However it is an anomaly which likely has been affected by a power line pylon in close proximity to one of the measuring poles of the traverse. This probable noise component has to be discounted and looked through. Once this is done, it is apparent there is a genuine underlying anomaly, albeit much more modest in its scope. However its credibility is supported by a similar response in terms of strength and associated resistivity (circa 10,000 ohm-metres) on the adjacent line 600E. This latter anomaly notably is free of power line interference on the evidence, and so constitutes a genuine expression of strike extent and behaviour.

What is revealed as a result is a system strike which manifestly bears more NNE than NE, and which perceptibly angles away from the general formation and fold direction of the sub-region. Also it is apparent that this anomaly zone plunges to the NNE. Such a characteristic implies an independent transverse structural control to the system. The zone's existence itself evokes a sulphide mineralization centred on the structure, but one which, as it so happens, lies markedly close to the Boerth veining proper (less than 250 m away). However what is potentially even more important is the inherent possibility

that this zone represents the eastern appearance of the Weber mineralization across the 300 m wide cross-structural gap central to the area. Certainly the present zone exists directly on the strike extension of the Weber, and just as impelling, the main Weber anomaly on line 200E is very analogous in terms of IP and resistivity both to the present line 600E anomaly. Should this particular relationship stand up to testing and further scrutiny, then it could turn out to be the most significant mineral control for the area to issue from the current exploration.

vi) Boerth North Zone

This system appears in the east of the area at about 500N. It is a rather nondescript zone, never very strong, at best 28 msecs near-surface on line 1100E. In this quarter it again approaches the main fold axis of the region, but does not quite achieve the intimacy seen to the west. Instead the system promises to relate regionally more closely to the fault lineament emanating from Swamp Creek at 550N/400W, but unfortunately there is no evidence locally for such a structure in resistivity terms. This might mean there is a widespread silicification associated with its locus here.

At the moment however this is too vague a possibility to warrant a drill recommendation. There is no V.L.F. nor magnetic distinction about the zone as it stands; on the other hand should it prove with time to hold mineral interest, then its strike length of over 700 m would clearly offer size potential.

vii) South West Pit

An anomaly of 45 msecs at the south end of line 300W is given separate attention due to its strength and proximity to an old pit out of which some high gold values have been obtained in recent sampling. The anomaly in terms of IP response is fairly broad, open to the south, and is associated with very high resistivities generally (+50,000 ohm-metres). On line 400W the setting is individually distinguished by a local resistivity low (7000 ohm-metres) which in position (at 50S) ties in rather closely with the pit. An extra concentration of sulphides in a fracture seems quite possible here, and adds appeal to the locality.

However what gives this anomaly zone its major distinction is the chance that it too forms part of the Weber mineral axis, this time to the southwest in another potential reappearance. To the extent it is defined, the system rakes to the SW. Cross-faulting is believed to exist between it and the Weber itself; a magnetic high (a mafic intrusion?) promises to interrupt it to the southwest.

Testing can be undertaken on the system as it stands, but it is also clear that a geophysical coverage of flanking Swaugers Lake will need to be carried out sooner or later to allow the complete picture of this sector to be developed.

One old (1954) drill hole is reported in the neighbourhood. As shown (Dwg. No. EIC-1834), it would not have

tested the pit vicinity; however it seems likely it probed the Weber vein extension relationship, but with what success is not known.

viii) South-East Corner BL Zone

Across the lines 12E-14E in the southeast quadrant of the property, one of the most commanding IP zones of the area has been recorded. Reaching up to 40 msecs in chargeability in association with environmentally lowered resistivities (circa 20,000 ohm-metres), the zone is approximately 50 m wide, patently dips south and plunges to the west. It is abruptly terminated at line 11E, manifestly by cross-faulting, this latter bearing NE on the V.L.F. evidence. In the other direction, that is to the east, the zone remains open at the property boundary (line 14E).

While evidently a formational system, the source is unusually wide and complex. It is attributable to contained pyrite but apparently in a broad dispersal across more than one horizon. It is thus encouraging that the zone possesses a discernible rake and correlates with fairly high resistivities. The odds are therefore that the causative mineralization is an introduced one, disseminated through the host rocks accompanied by silica along some kind of fracture control. Importantly quartz veining has been noted in outcrop to the anomaly's south side on the line 14E section; importantly too the zone seemingly strikes at a low angle across formational trends. Alternatively there is possibly some folding in place here, the line 12E section in this scenario representing the up-plunge nose of a

local synclinal structure entering the area from the SE.

On these several counts, this IP system emerges as a priority bet which warrants a considerable follow-up testing and sampling. Also it is to be noted, it is the latter's outcome which will affect how the adjoining ground east is to be viewed.

ix) Fernleigh-Clyde Fault Zone

The strongest IP responses of all in the area were encountered to the south side of Swaugers Lake in the immediate vicinity of the Fernleigh-Clyde Fault. This throughgoing regional structure here centres upon a relatively narrow band of pelitic schists which fringe the property south edge. In this sector, chargeabilities in excess of 80 msecs have been measured in association with resistivities dropping to lows of 10 ohm-metres and less. This then is a major polarization zone.

At the same time, it is also a system that is incompletely defined to the south by reason of the property boundary curtailing the coverage in this direction. Notwithstanding there is little doubt that the system is essentially formational in origin, and possesses an ongoing strike continuity well beyond its presently defined extent. Its probable cause is graphite consanguineous with a syngenetic pyrite mineralization embedded in this unit of the sequence. It holds no overt exploration interest despite its size and strength, and despite its splitting into two sub-parallel limbs heading east (implying isoclinal folding). Furthermore, there is good indication in

past records that it has been drilled before, evidently without encouragement.

This is not to say nevertheless it should be wholly ignored. Given more understanding of the controls to gold mineralization in the area, it is possible in fact that certain sectors along it may in future warrant closer investigation. But what it is not at this time is a primary target. Better bets lie elsewhere.

xi) Incidental Anomalies

At the north end of line 1000E at 900N, a weak buried anomaly (20 msecs) with lowering resistivities in depth (2000 ohm-metres) is manifest. The interesting aspect of this occurrence is that it falls squarely in a magnetic low domain previously selected as possibly due to alteration. Its only adjacent line IP support however is confined to an even weaker anomaly at 860N/900E. Thus not too much should be made of this event at this time, but as it turns out it is the only response feature recorded in this whole northern quarter of the property.

Another anomaly occurring in virtual isolation is the IP response which has been obtained at 650N on line 1100E. Reaching to nearly 30 msecs as it improves with depth, this event is nonetheless bothersome because it falls within the power-line corridor where again one of the transmission towers practically occupies one of the measuring electrode positions. Some noise is

likely present therefore, yet it would be a mistake to condemn the anomaly out of hand. There appears an underlying reality to it not easily explained away, and it is clear that environmental resistivities are changing rapidly locally due to near-surface conditions. On balance then, and despite the apparentl total lack of adjacent line support, the anomaly is considered to merit at least a careful surface inspection of its sub-surface potentiality.

The remaining IP event of note in the area occurs to the grid west on line 800W, towards its north end (at 300N). This anomaly flanks the anticlinal axis system but is not overtly part of it. A cross-structure is projected for this environment based on the prior geophysical surveying, as is also a potential zone of alteration based on an abatement of magnetic activity locally (magnetic depletion). The anomaly in chargeability (23 msecs) is threaded by a relative resistivity low of 15,000 ohm-metres. A combination of fracturing with wall rock sulphide dissemination is suggested. Since adjacent resistivities reach to 86,500 ohm-metres locally, silica flooding and quartz veining in the setting seem quite possible. This sector emerges therefore as one worth an early drill cross-section to test the validity of some of the regional concepts it supports.

CONCLUSIONS AND RECOMMENDTIONS

The results of the IP surveying have exceeded expectations. Although the wide variance in environmental resistivities makes comparisons difficult, it is evident there is more than one prospective situation in the area possessing overt associations with sulphide mineralization and with known gold. These warrant drill testing as they stand. In addition there are several outlying possibilities which attract attention on their own merits, as well as others which properly should have more work done on them before commanding drilling, but which in the interim do represent potential targets for a wider testing.

As a consequence of these findings, it is apparent that exploration on this property has reached the stage where it requires major expenditures. Not only should diamond drilling in substantial amounts be planned, so ought a property-wide geologic mapping coupled to lithogeochemical sampling be framed and budgeted.

Specifically it is recommended that a drilling programme of approximately 1425 m (4675') be initiated. This is based on the following holes, these designed to test the various aspects of several target settings wherein the metallics implied by the IP, the alteration suggested by the resistivity and magnetics, and the structure defined by all methods but by the V.L.F. particularly, are all brought into perspective:

DDH #KR 87-1: Collar at 175N/200E
to be drilled grid S at -45° for 110 m

DDH #KR 87-2: Collar at 125N/100E
to be driled grid S at -45° for 125 m

DDH #KR 87-3: Collar at 35S/400W
to be drilled grid S at -45° for 135 m

DDH #KR 87-4: Collar at BL/300W
to be drilled grid S at -45° for 125 m

DDH #KR 87-5: Collar at 265N/800W
to be drilled grid S at -45° for 100 m

DDH #KR 87-6: Collar at 340N/800W
to be drilled grid S at -45° for 125 m

DDH #KR 87-7: Collar at 265N/100W
to be drilled grid S at -45° for 110 m

DDH #KR 87-8: Collar at 200N/1300E
to be drilled grid S at -50° for 125 m

DDH #KR 87-9: Collar at 50N/1300E
to be drilled grid N at -50° for 100 m

DDH #KR 87-10: Collar at 35S/1300E
to be drilled grid N at -50° for 150 m

DDH #KR 87-11: Collar at 415N/500E
to be drilled grid S at -55° for 125 m

DDH #KR 87-12: Collar at 265N/800E
to be drilled grid S at -45° for 95 m.

A test stage of this scope is regarded as minimal to establish the probabilities of discovery in the area, and to discriminate those mineral controls by which exploration can most effectively proceed.

It is further recommended that the geologist contracted to undertake the logging of core from drilling also carry out the outcrop mapping of the property, so that which is revealed to be important in drilling can be transposed to the geology of the environment.

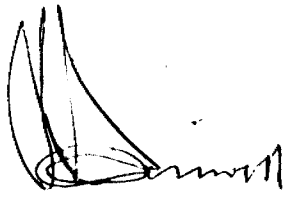
COSTS

It is estimated that $185,000.00 will be required to effect the above proposed recommendations, viz:

i)	geologic mapping: 31 days @ $350	10,850	say 11,000
ii)	diamond drilling: 1425 m @ $98 all inclusive	139,650	say 140,000
iii)	geotechnical consulting incl. assessment submissions; est. overall charges		10,000
	ADD Contingency 15%		24,000
			$185,000

Since the drilling involved here is regarded as only a preliminary to further testing, some of it predictably to be more concentrated and exhaustive, some of it to be directed to new targets wider afield, it would appear the property inclusive of option payments plus selective adjoining land acquisition would need a funding of at least $500,000 to allow a reasonable

assessment of its contained potential and to make projections about the actual mine-making possibilities resident.



JBB:sb
October 26, 1987

J. B. Boniwell
Exploration Geophysical Consultant

Ministry of Northern Development and Mines

Ontario

Geophysical-Geological-Geochemical Technical Data Statement

File _____

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHINICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) IP Resistivity

Township or Area Clarendon

Claim Holder(s) Clinton Kehoe

R.R. #1, Tichborne, Ont.

Survey Company Claridge LaRose Geophysics Ltd.

Author of Report J.B. Boniwell

Address of Author 10 Hurontario St., Miss., Ont. L5G 3G7

Covering Dates of Survey May - Sept. '87 (linecutting to office)

Total Miles of Line Cut 26.75 kms

SPECIAL PROVISIONS CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.

ENTER 20 days for each additional survey using same grid.

	DAYS per claim
Geophysical	
--Electromagnetic	
--Magnetometer	
--Radiometric	
--Other	28
Geological	
Geochemical	

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: Oct. 26, 1987 SIGNATURE: _____
Author of Report or Agent

Res. Geol. _____ Qualifications 63.1284

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

If space insufficient, attach list

(prefix)	(number)
EO	781810
	781811
	781812
	781813
	781814
	781815
	781816
	781817
	781818
	781819
	840479
	840480

TOTAL CLAIMS 12

OFFICE USE ONLY

837 (85/12)

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS - If more than one survey, specify data for each type of survey

Number of Stations 1103 Number of Readings 3799

Station interval 25 m Line spacing 100 m

Profile scale N/A

Contour interval IP: 1 msec. Resistivity: 100 ohm-m.

MAGNETIC

Instrument

Accuracy – Scale constant

Diurnal correction method

Base Station check-in interval (hours)

Base Station location and value

ELECTROMAGNETIC

Instrument

Coil configuration

Coil separation

Accuracy

Method: ☐ Fixed transmitter ☐ Shoot back ☐ In line ☐ Parallel line

Frequency (specify V.L.F. station)

Parameters measured

GRAVITY

Instrument

Scale constant

Corrections made

Base station value and location

Elevation accuracy

INDUCED POLARIZATION RESISTIVITY

Instrument

Method ☐ Time Domain ☐ Frequency Domain

Parameters – On time 2 sec Frequency

– Off time 2 sec Range

– Delay time 240 msec

– Integration time 100 msec

Power 2 kw

Electrode array dipole-dipole

Electrode spacing a = 25 m, na = 25,50,75,100 m

Type of electrode current dipole: steel stakes; potential dipole: porous pots.

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

_____

Corrections made _____

_____

RADIOMETRIC

Instrument _____

Values measured _____

Energy windows (levels) _____

Height of instrument _____ Background Count _____

Size of detector _____

Overburden _____

(type, depth – include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey _____

Instrument _____

Accuracy _____

Parameters measured _____

_____

Additional information (for understanding results) _____

_____

_____

AIRBORNE SURVEYS

Type of survey(s) _____

Instrument(s) _____

(specify for each type of survey)

Accuracy _____

(specify for each type of survey)

Aircraft used _____

Sensor altitude _____

Navigation and flight path recovery method _____

_____

Aircraft altitude _____ Line Spacing _____

Miles flown over total area _____ Over claims only _____

GEOCHEMICAL SURVEY – PROCEDURE RECORD

Numbers of claims from which samples taken _____

_____

_____

Total Number of Samples _____

Type of Sample _____
(Nature of Material)

Average Sample Weight _____

Method of Collection _____

_____

Soil Horizon Sampled _____

Horizon Development _____

Sample Depth _____

Terrain _____

_____

Drainage Development _____

Estimated Range of Overburden Thickness _____

_____

_____

SAMPLE PREPARATION
(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis _____

_____

_____

_____

General _____

_____

_____

_____

_____

_____

_____

_____

_____

_____

ANALYTICAL METHODS

Values expressed in: per cent ☐
p. p. m. ☐
p. p. b. ☐

Cu, Pb, Zn, Ni, Co, Ag, Mo, As,-(circle)

Others _____

Field Analysis (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Field Laboratory Analysis

No. (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Commercial Laboratory (_____ tests)

Name of Laboratory _____

Extraction Method _____

Analytical Method _____

Reagents Used _____

General _____

_____

_____

_____

_____

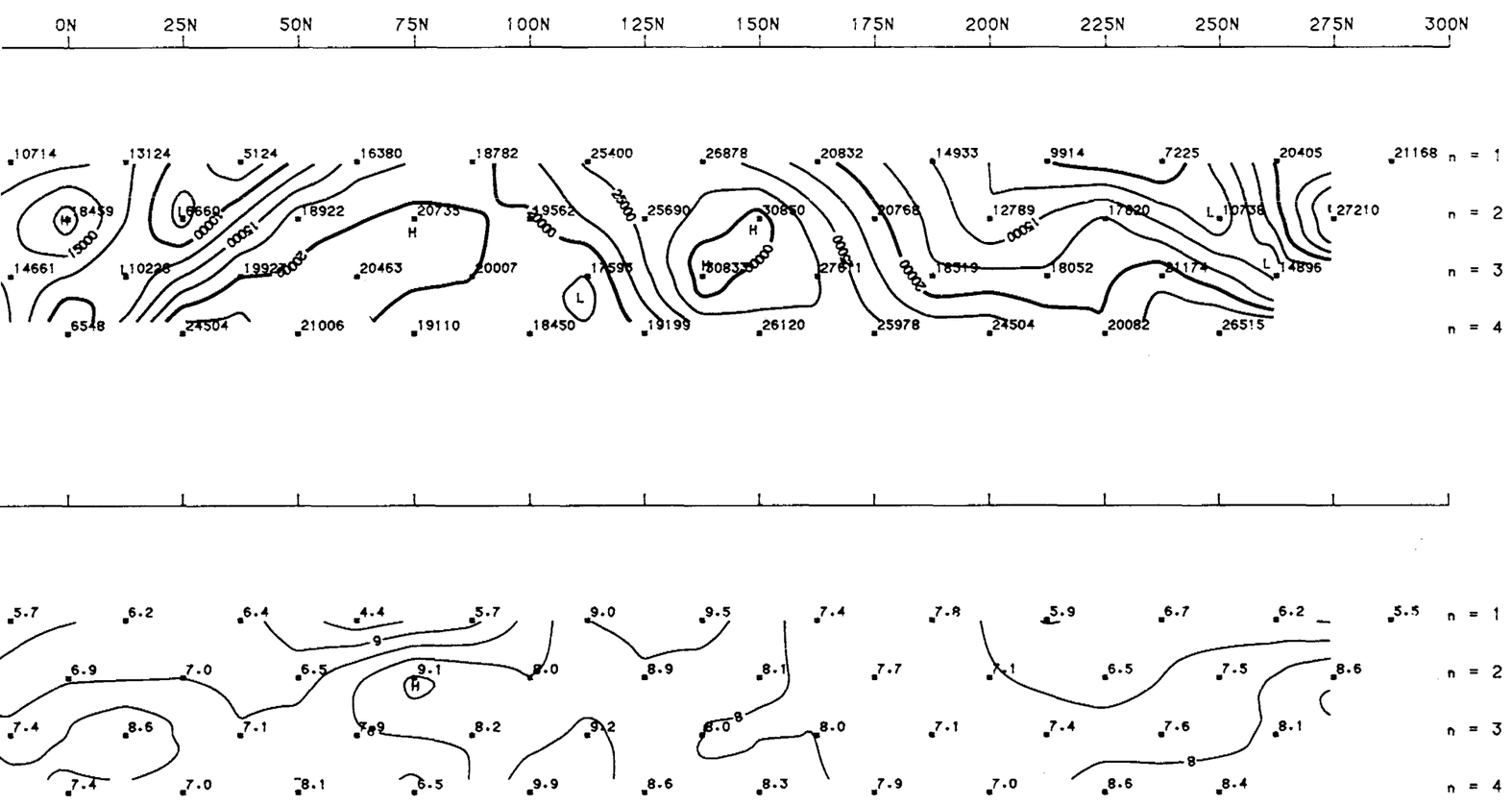
_____

_____

_____

_____

_____



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

10 msec contour
1 msec contour

RESISTIVITY :

Contour	Range	Interval
	Above 2500	10000 ohm-m
		2500 ohm-m
	2500 - 500	500 ohm-m
	Below 500	100 ohm-m

DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

ARDOCH SYNDICATE

KEYHOE - RIDDELL PROPERTY
IP PSEUDO SECTION
LINE : 1800W

2.1056

Dwg No. E.I.C.-1864 | Date : 20-Oct-87

100S 75S 50S 25S 0N 25N 50N 75N 100N 125N 150N 175N 200N 225N 250N 275N 300N

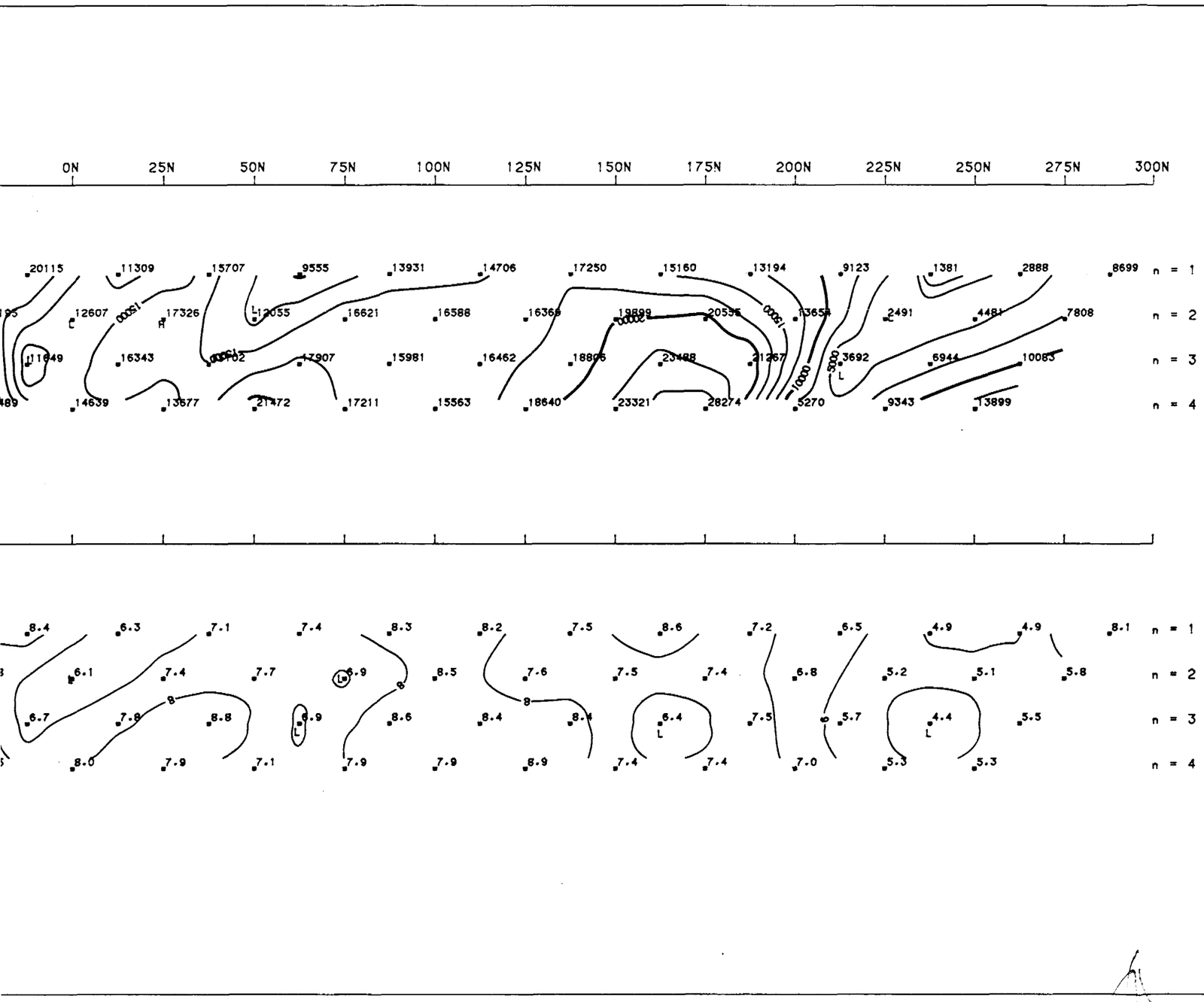
APPARENT RESISTIVITY (ohm-m)

21787 19790 13808 10714 13124 5124 16380 18782 25400 26878 20832 14933 9914 7225 20405 21168
26088 19899 10159 18459 16660 18922 20733 19562 25690 30850 20768 12789 17820 10738 27210
22579 16880 14661 10228 19923 20463 20007 17595 30833 27611 18319 18052 21174 14896
18076 23806 6548 24504 21006 19110 18450 19199 26120 25978 24504 20082 26515

APPARENT CHARGEABILITY (msec)

10.1 7.9 6.7 5.7 6.2 6.4 4.4 5.7 9.0 9.5 7.4 7.8 5.9 6.7 6.2 5.5
8.5 8.6 5.7 6.9 7.0 6.5 9.1 8.0 8.9 8.1 7.7 7.1 6.5 7.5 8.6
8.6 8.3 7.4 8.6 7.1 7.9 8.2 9.2 8.0 8.0 7.1 7.4 7.6 8.1
8.0 9.8 7.4 7.0 8.1 8.5 9.9 8.6 8.3 7.9 7.0 8.6 8.4

1800W



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

——— 10 msec contour
——— 1 msec contour

RESISTIVITY :

Contour	Range	Interval
———	Above 2500	10000 ohm-m
———		2500 ohm-m
———	2500 - 500	500 ohm-m
———	Below 500	100 ohm-m

DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

ARDOCH SYNDICATE

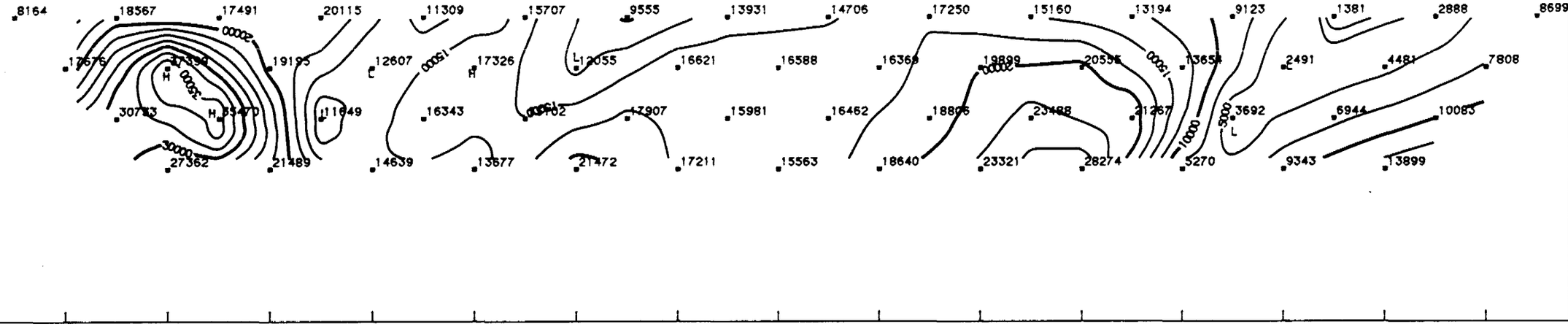
KEYHOE - RIDDELL PROPERTY
IP PSEUDO SECTION
LINE : 1700W

2.10512

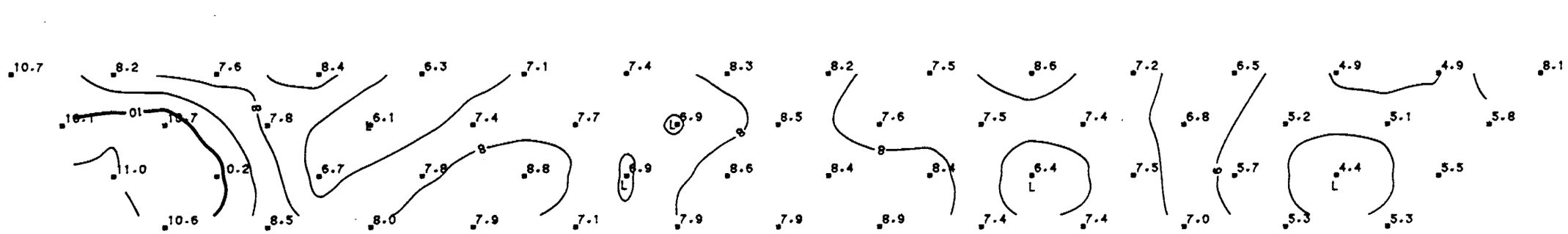
Dwg No. E.I.C.-1865	Date : 20-Oct-87

100S 75S 50S 25S 0N 25N 50N 75N 100N 125N 150N 175N 200N 225N 250N 275N

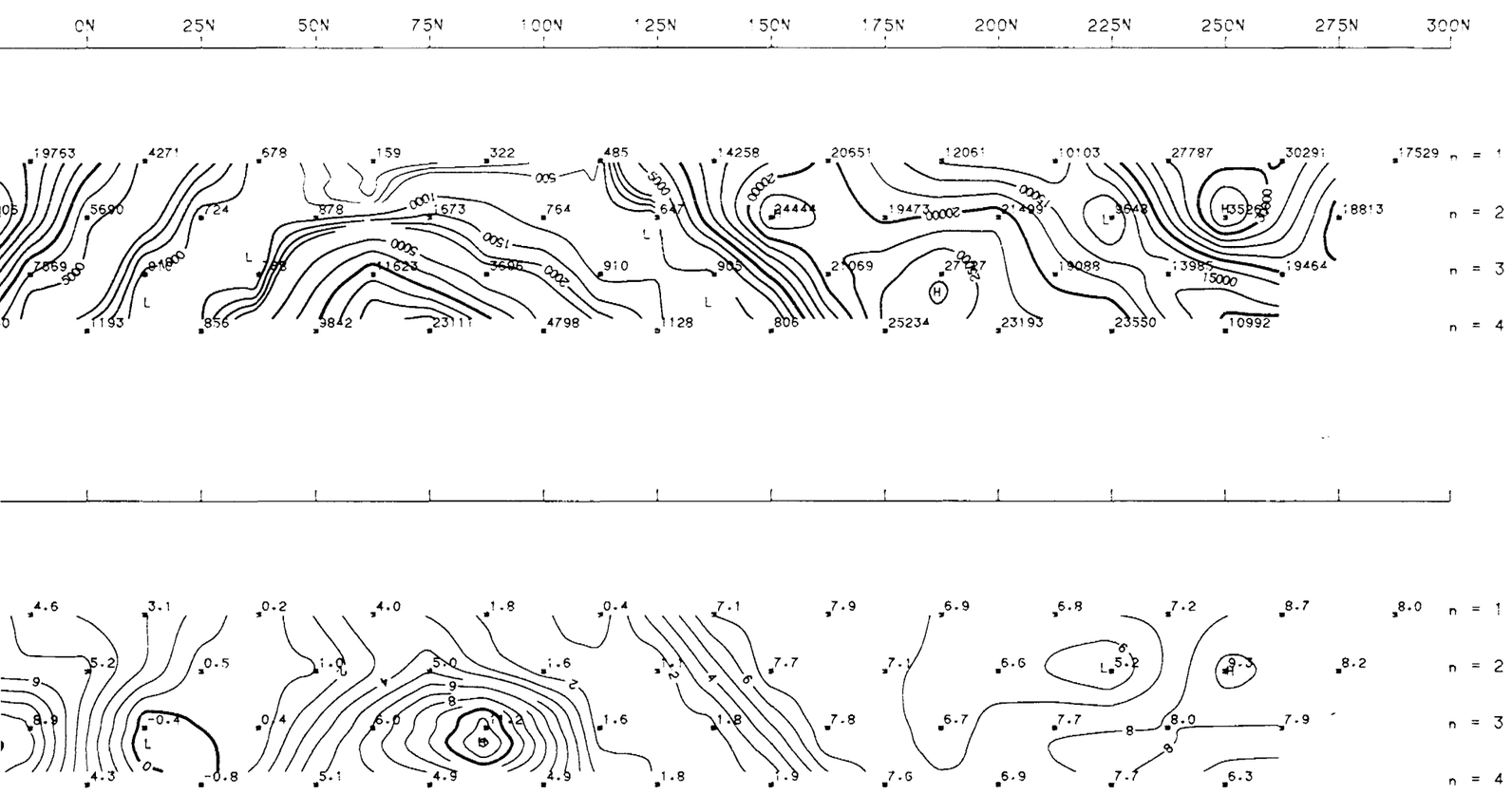
APPARENT RESISTIVITY (ohm-m)



APPARENT CHARGEABILITY (msec)



1700W



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

——— 10 msec contour
——— 1 msec contour

RESISTIVITY :

Contour	Range	Interval
———	Above 2500	10000 ohm-m
———		2500 ohm-m
———	2500 - 500	500 ohm-m
———	Below 500	100 ohm-m

DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

ARDOCH SYNDICATE

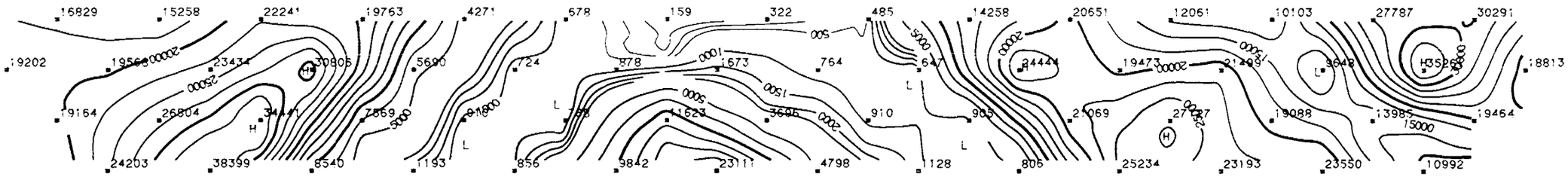
KEYHOE - RIDDELL PROPERTY
IP PSEUDO SECTION
LINE : 1600W

2352

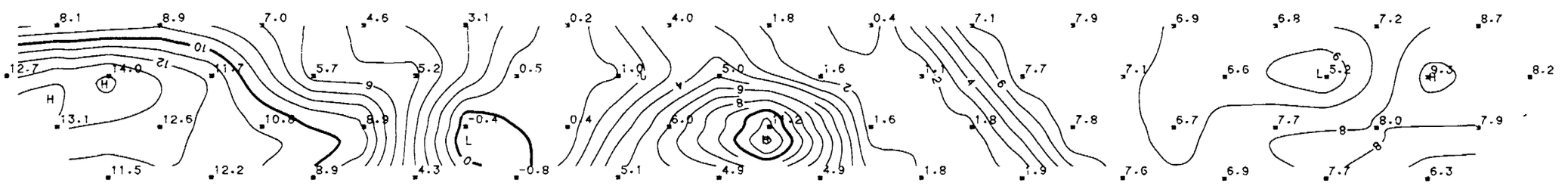
Dwg No. E.I.C. - 1866 | Date : 20-Oct-87

125S 100S 75S 50S 25S 0N 25N 50N 75N 100N 125N 150N 175N 200N 225N 250N 275N

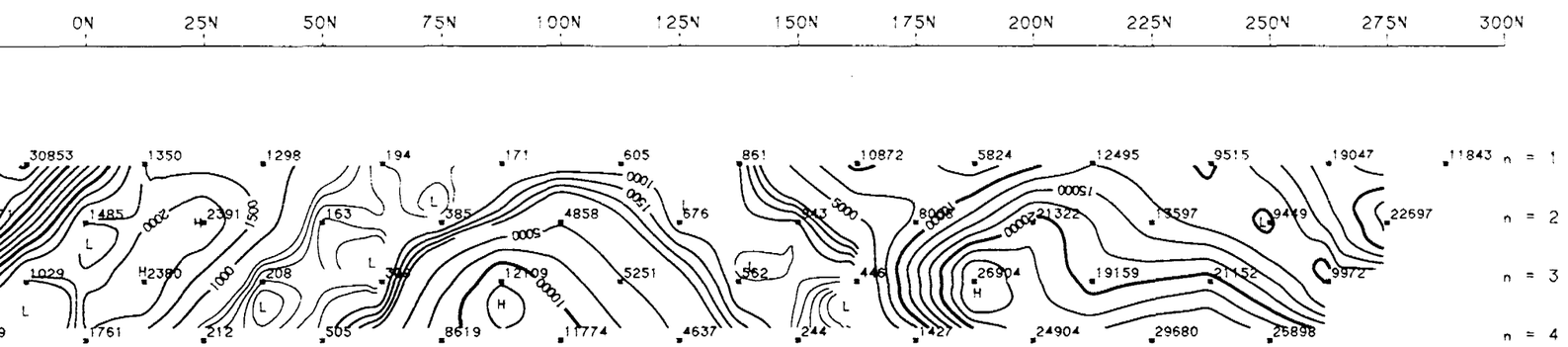
APPARENT RESISTIVITY (ohm-m)

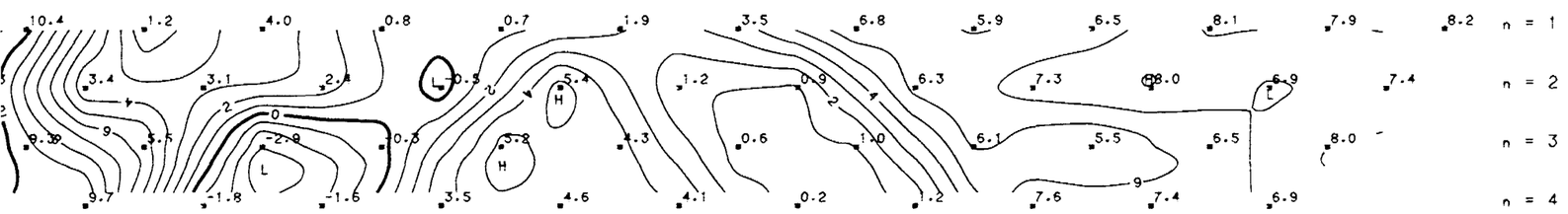


APPARENT CHARGEABILITY (msec)



1600W





SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

——— 10 msec contour
——— 1 msec contour

RESISTIVITY :

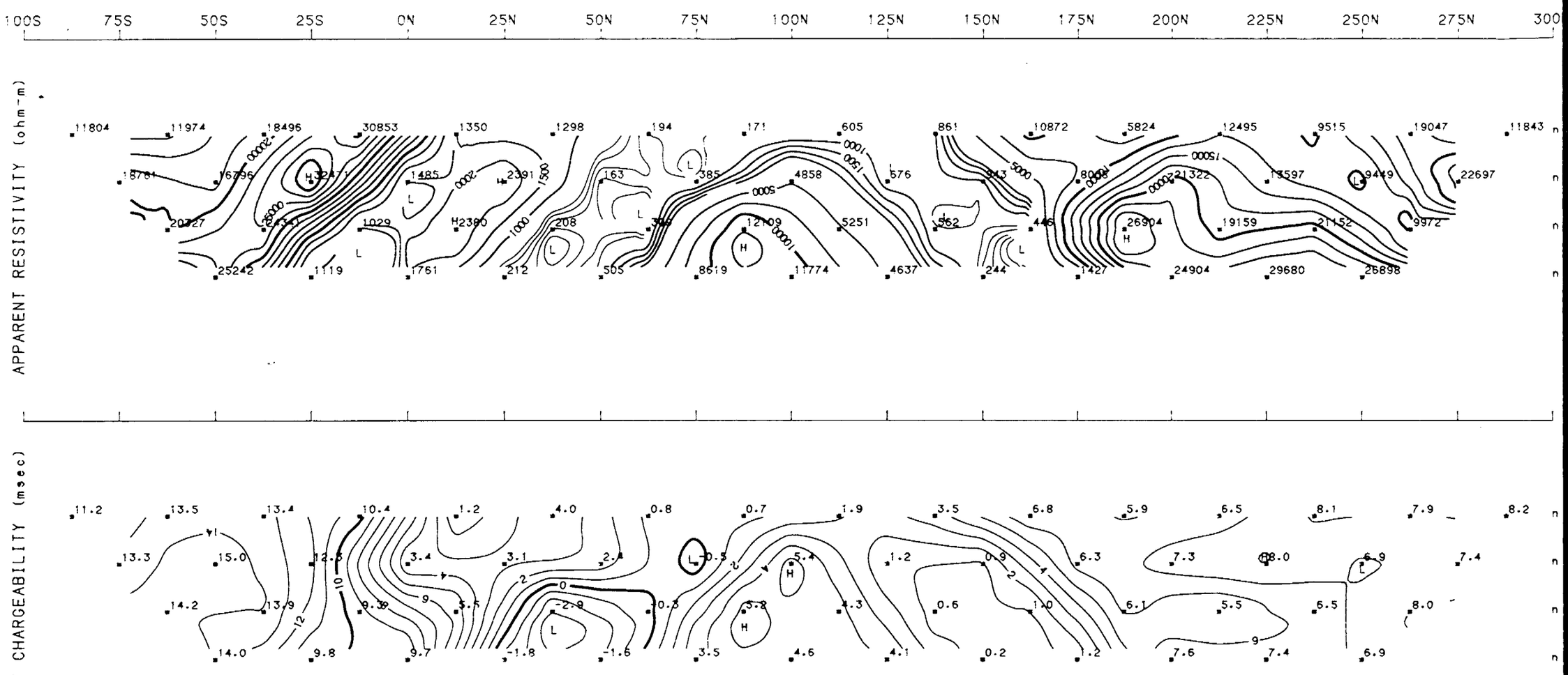
Contour	Range	Interval
———	Above 2500	10000 ohm-m
———		2500 ohm-m
———	2500 - 500	500 ohm-m
———	Below 500	100 ohm-m

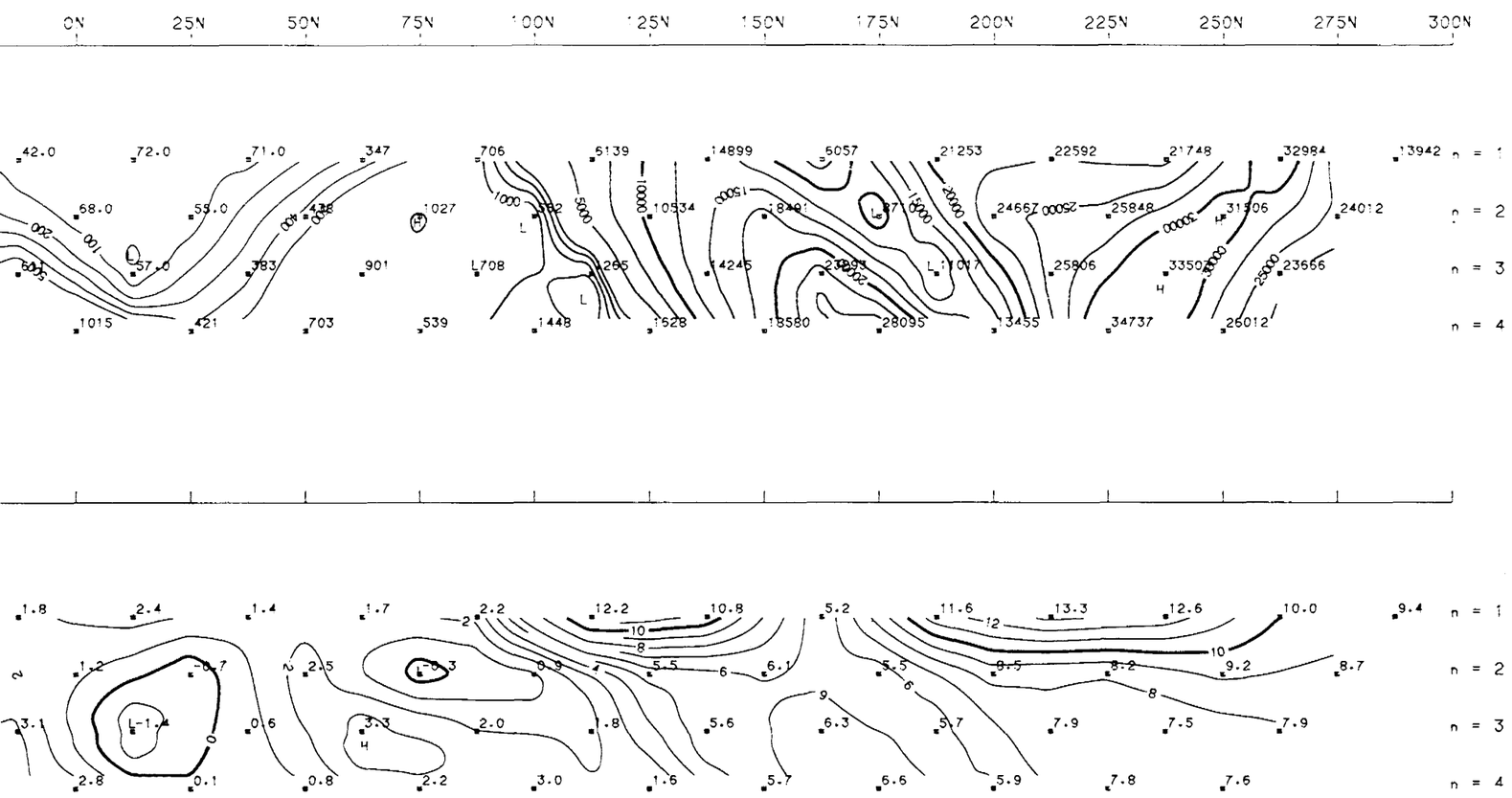
DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

ARDOCH SYNDICATE

KEYHOE - RIDDELL PROPERTY
IP PSEUDO SECTION
LINE : 1500W

Dwg No. E.I.C.-1867 | Date : 20-Oct-87


100S
75S
50S
25S
0N
25N
50N
75N
100N
125N
150N
175N
200N
225N
250N
275N
300
APPARENT RESISTIVITY (ohm-m)
11804
11974
18496
30853
1350
1298
194
171
605
861
10872
5824
12495
9515
19047
11843
18781
16796
32471
1485
2391
163
385
4858
676
943
8008
21322
13597
9449
22697
20727
25000
1029
H2390
208
1000
12109
5251
562
446
26904
19159
21152
9972
25242
1119
1761
212
505
8619
11774
4637
244
1427
24904
29680
26898
APPARENT CHARGEABILITY (msec)
11.2
13.5
13.4
10.4
1.2
4.0
0.8
0.7
1.9
3.5
6.8
5.9
6.5
8.1
7.9
8.2
13.3
15.0
12.8
3.4
3.1
2.4
-0.5
5.4
1.2
0.9
6.3
7.3
8.0
6.9
7.4
14.2
13.9
9.3
5.5
-2.9
-0.3
5.8
4.3
0.6
1.0
6.1
5.5
6.5
8.0
14.0
9.8
9.7
-1.8
-1.6
3.5
4.6
4.1
0.2
1.2
7.6
7.4
6.9
1500W



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

10 msec contour
1 msec contour

RESISTIVITY :

Contour	Range	Interval
	Above 2500	10000 ohm-m
		2500 ohm-m
	2500 - 500	500 ohm-m
	Below 500	100 ohm-m

DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

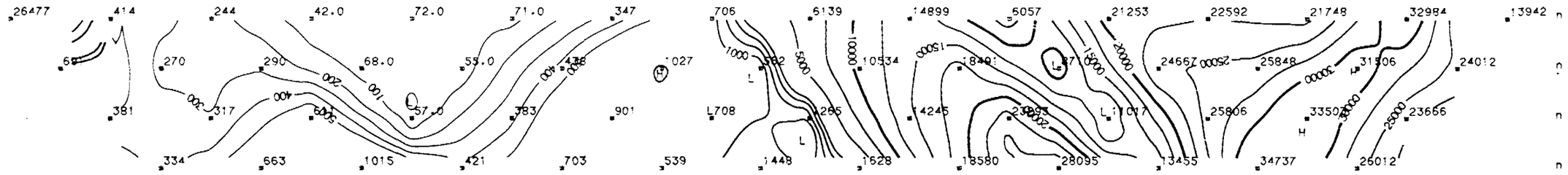
ARDOCH SYNDICATE

KEYHOE - RIDDELL PROPERTY
IP PSEUDO SECTION
LINE : 1400W

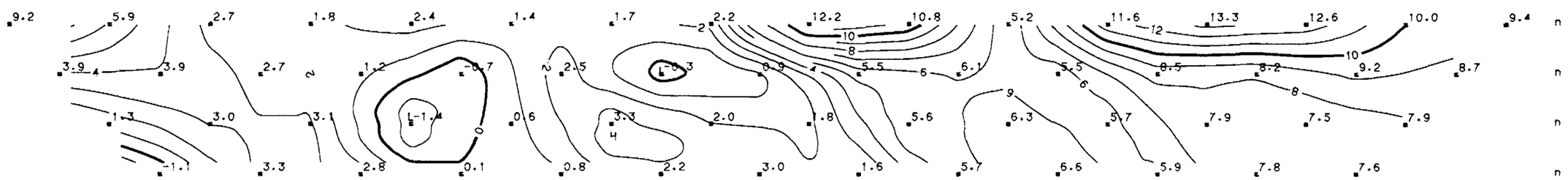
Dwg No. E.I.C.-1868 | Date : 20-Oct-87

100S 75S 50S 25S 0N 25N 50N 75N 100N 125N 150N 175N 200N 225N 250N 275N 300N

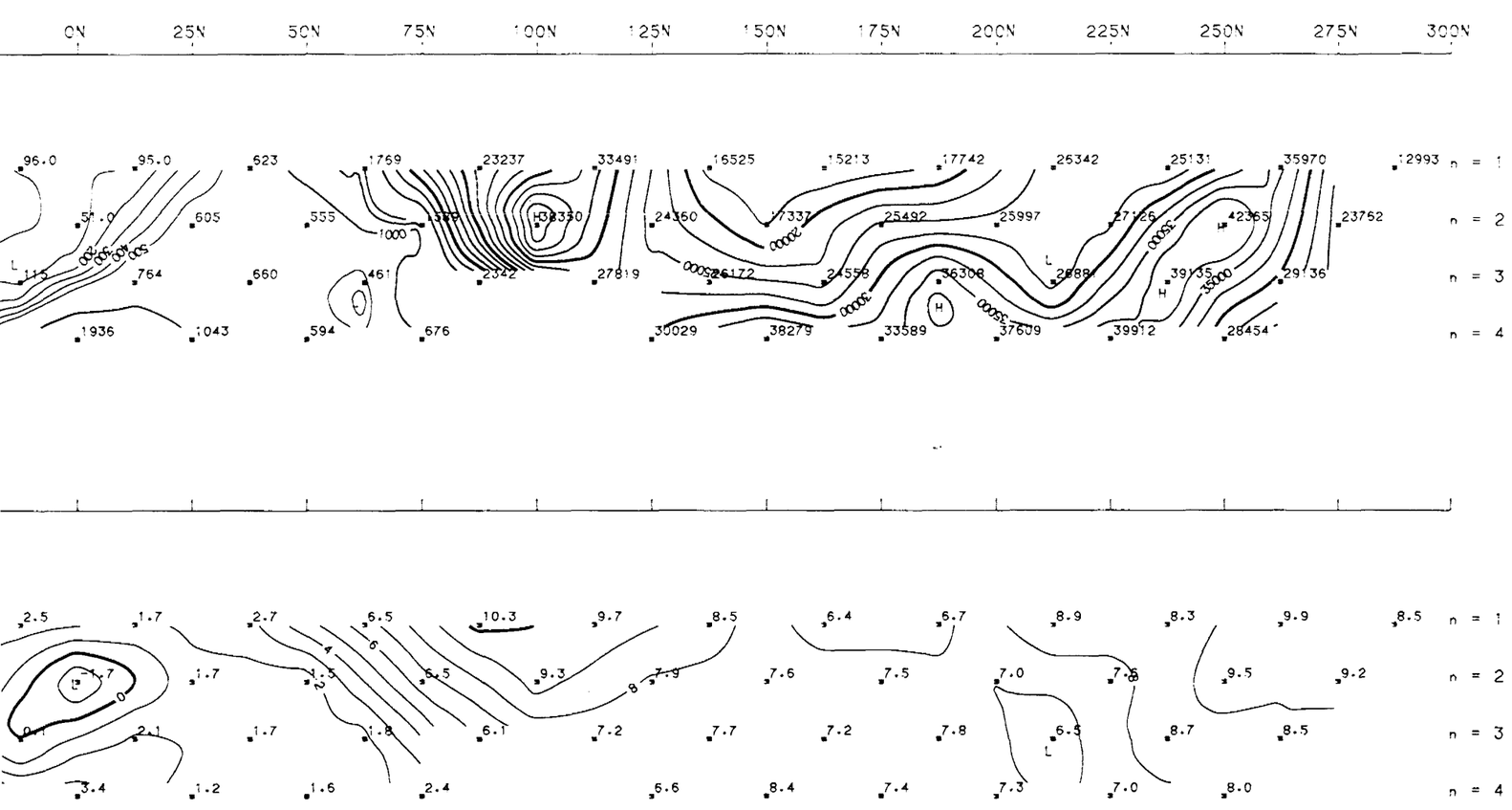
APPARENT RESISTIVITY (ohm-m)



APPARENT CHARGEABILITY (msec)



1400W



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

——— 10 msec contour
——— 1 msec contour

RESISTIVITY :

Contour	Range	Interval
———	Above 2500	10000 ohm-m
———		2500 ohm-m
———	2500 - 500	500 ohm-m
———	Below 500	100 ohm-m

DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001.

ARDOCH SYNDICATE

KEYHOE - RIDDELL PROPERTY
IP PSEUDO SECTION
LINE : 1300W

E.1052

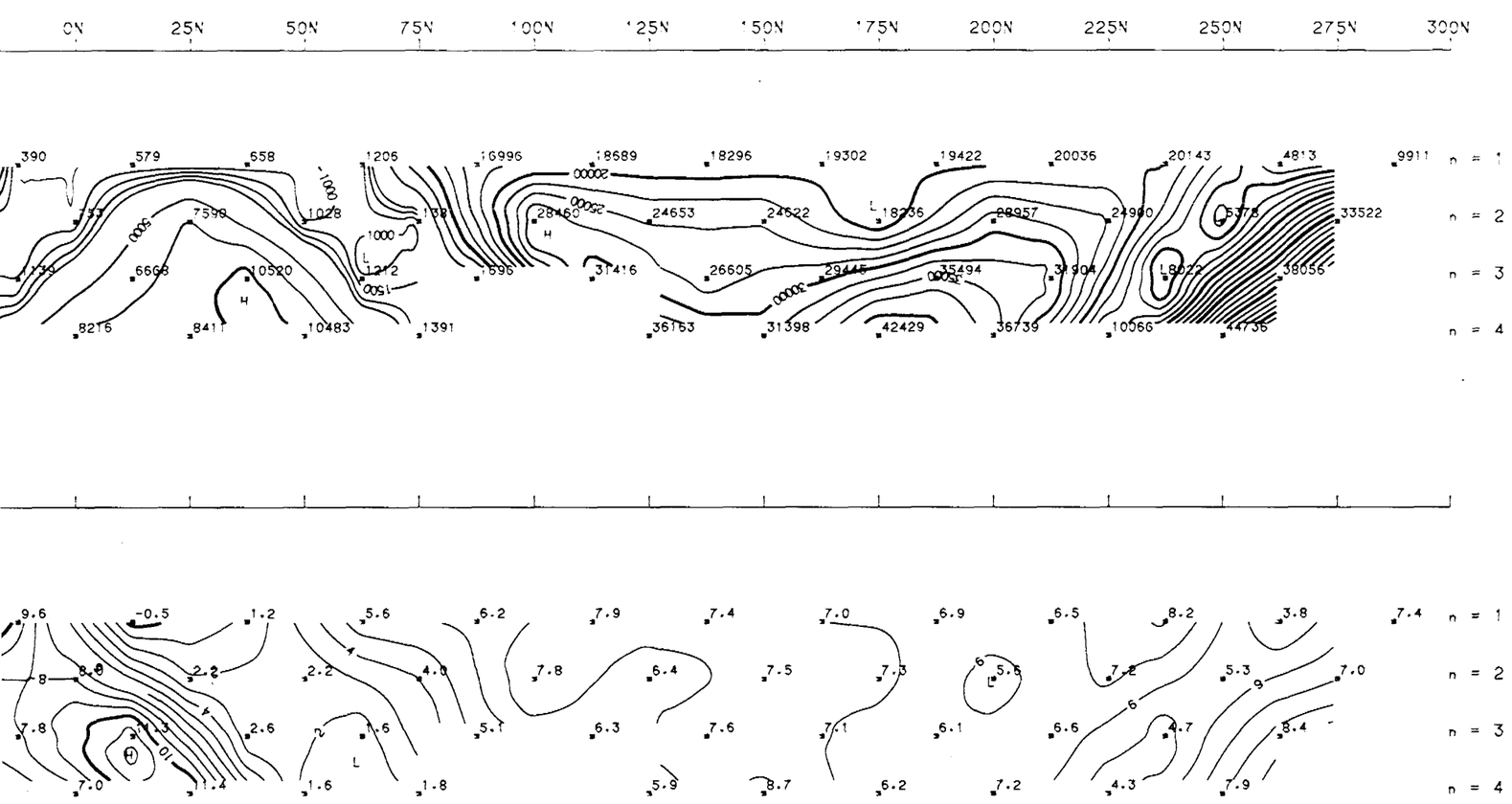
Dwg No. E.I.C.-1869 Date : 20-Oct-87

125S 100S 75S 50S 25S 0N 25N 50N 75N 100N 125N 150N 175N 200N 225N 250N 275N

APPARENT RESISTIVITY (ohm-m)

APPARENT CHARGEABILITY (msec)

1300W



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

10 msec contour
1 msec contour

RESISTIVITY :

Contour	Range	Interval
	Above 2500	10000 ohm-m
		2500 ohm-m
	2500 - 500	500 ohm-m
	Below 500	100 ohm-m

DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

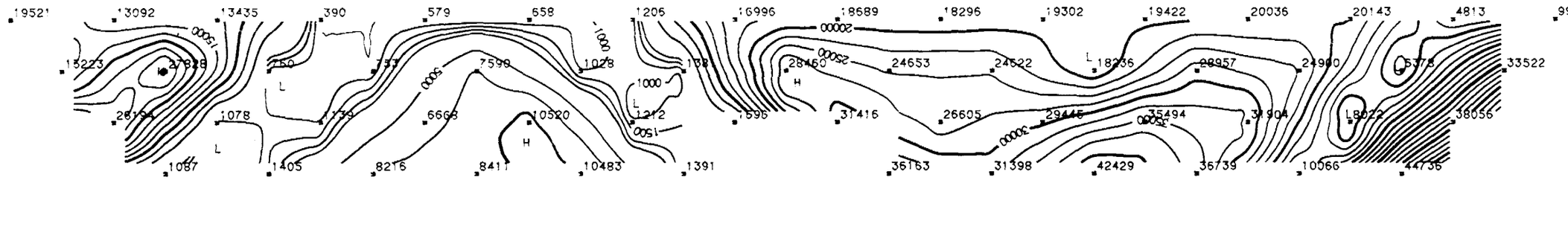
ARDOCH SYNDICATE

KEYHOE - RIDDELL PROPERTY
IP PSEUDO SECTION
LINE : 1200W

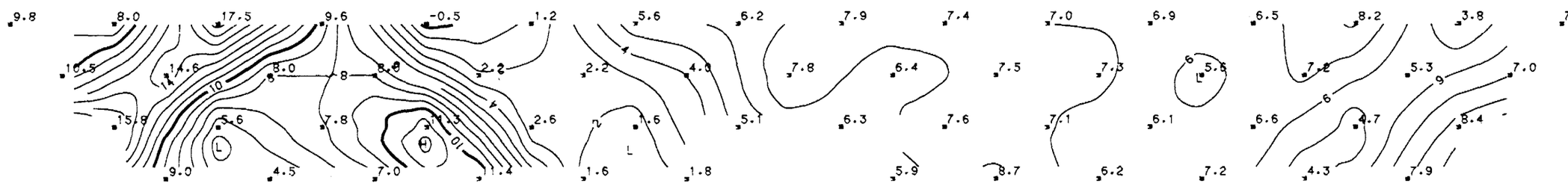
Dwg No. E.I.C.-1870 | Date : 20-Oct-87

100S 75S 50S 25S 0N 25N 50N 75N 100N 125N 150N 175N 200N 225N 250N 275N 3

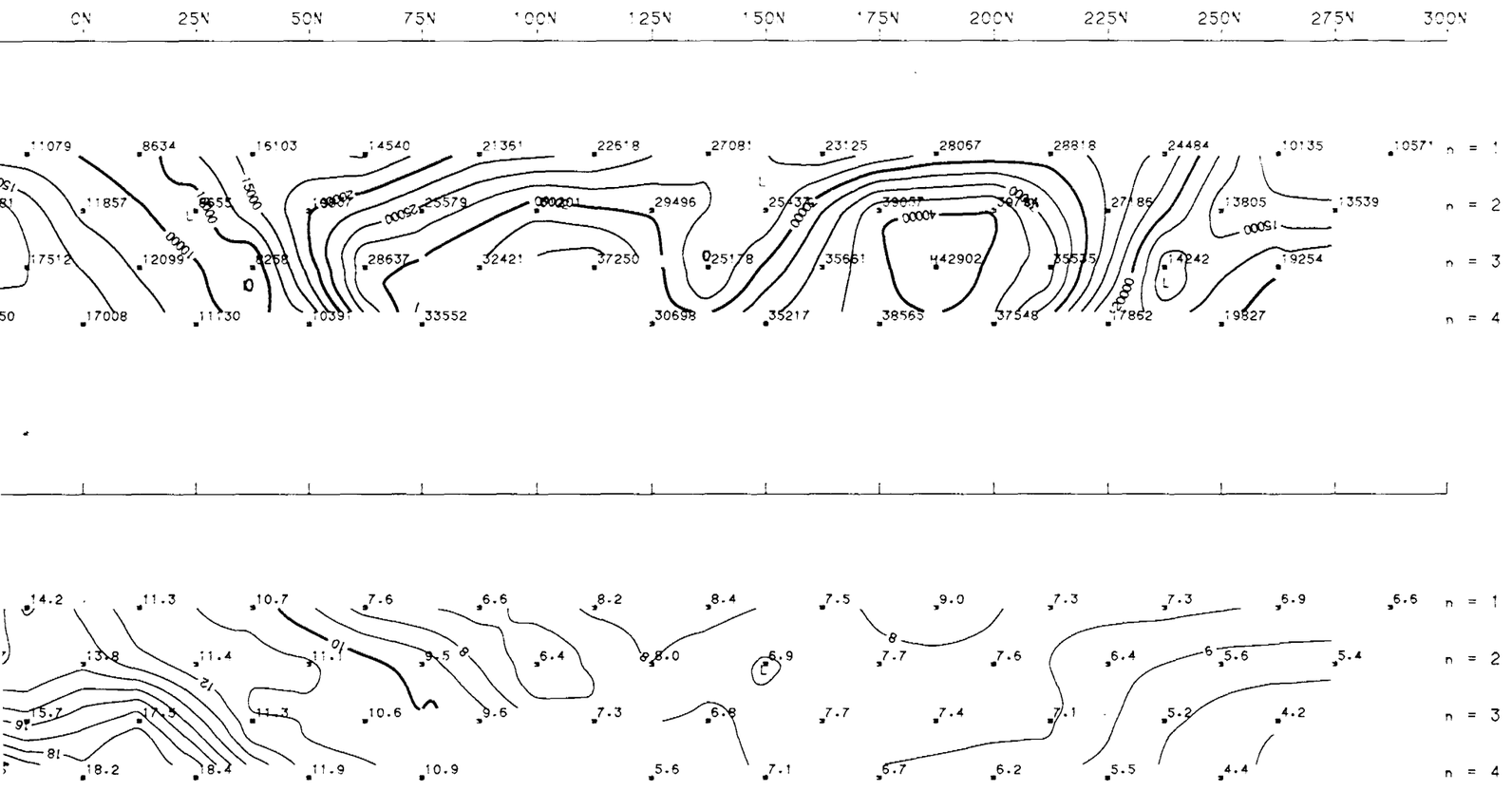
APPARENT RESISTIVITY (ohm-m)



APPARENT CHARGEABILITY (msec)



1200W



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

——— 10 msec contour
——— 1 msec contour

RESISTIVITY :

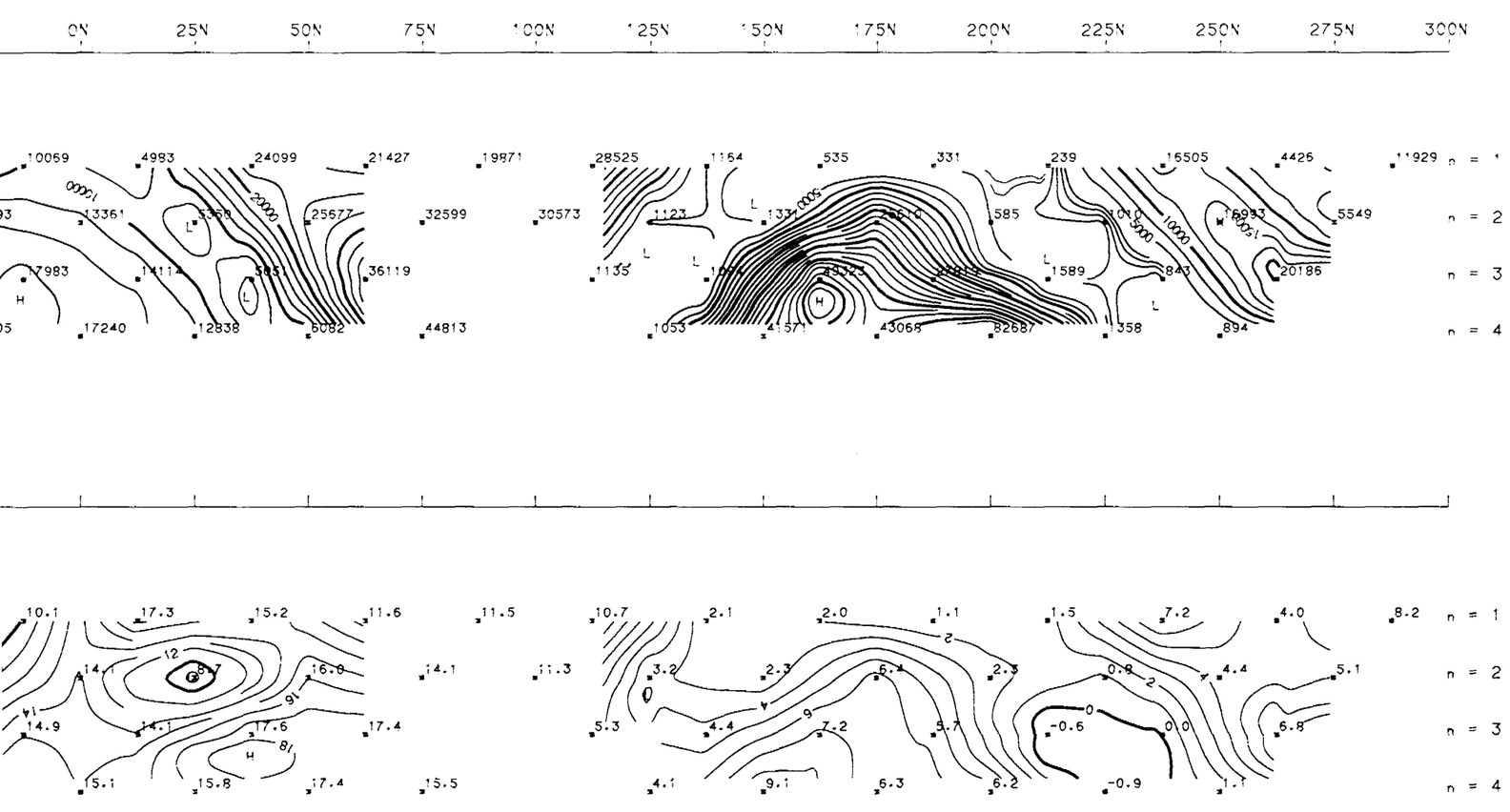
Contour	Range	Interval
———	Above 2500	10000 ohm-m
———		2500 ohm-m
———	2500 - 500	500 ohm-m
———	Below 500	100 ohm-m

DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

ARDOCH SYNDICATE

KEYHOE - RIDDELL PROPERTY
IP PSEUDO SECTION
LINE : 1100W

Dwg No. E.I.C.-1871 Date : 20-Oct-87



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

——— 10 msec contour
——— 1 msec contour

RESISTIVITY :

Contour	Range	Interval
———	Above 2500	10000 ohm-m
———		2500 ohm-m
———	2500 - 500	500 ohm-m
———	Below 500	100 ohm-m

DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

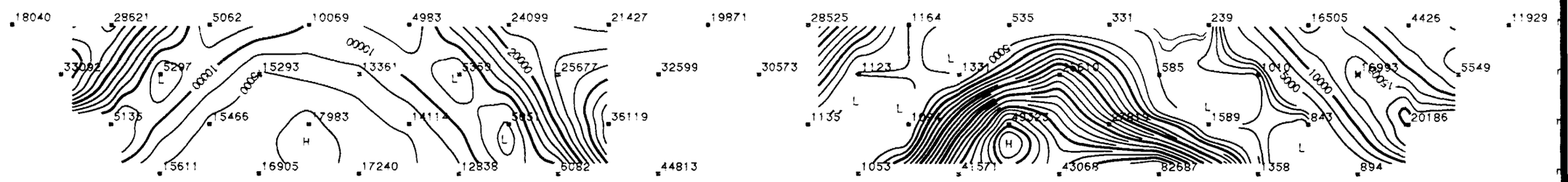
ARDOCH SYNDICATE

KEYHOE - RIDDELL PROPERTY
IP PSEUDO SECTION
LINE : 1000W

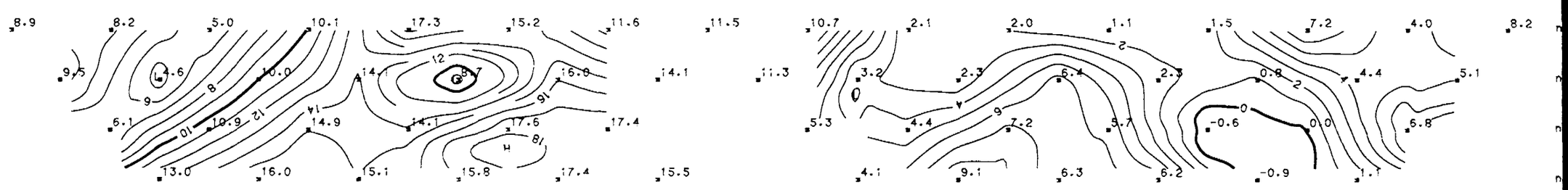
Dwg No. E.I.C.-1872 Date : 20-Oct-87

100S 75S 50S 25S 0N 25N 50N 75N 100N 125N 150N 175N 200N 225N 250N 275N 300

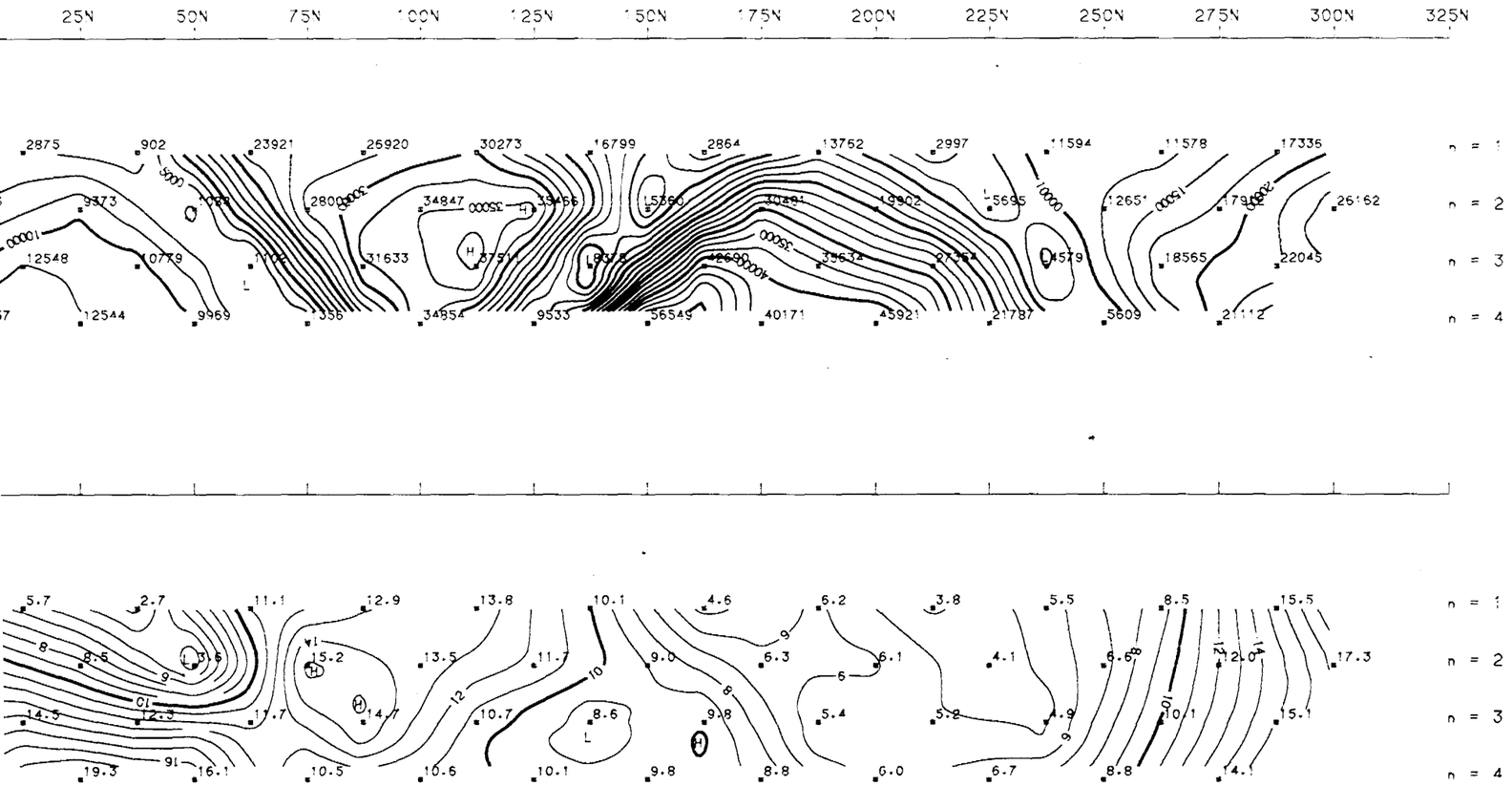
APPARENT RESISTIVITY (ohm-m)



APPARENT CHARGEABILITY (msec)



1000W



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

——— 10 msec contour
——— 1 msec contour

RESISTIVITY :

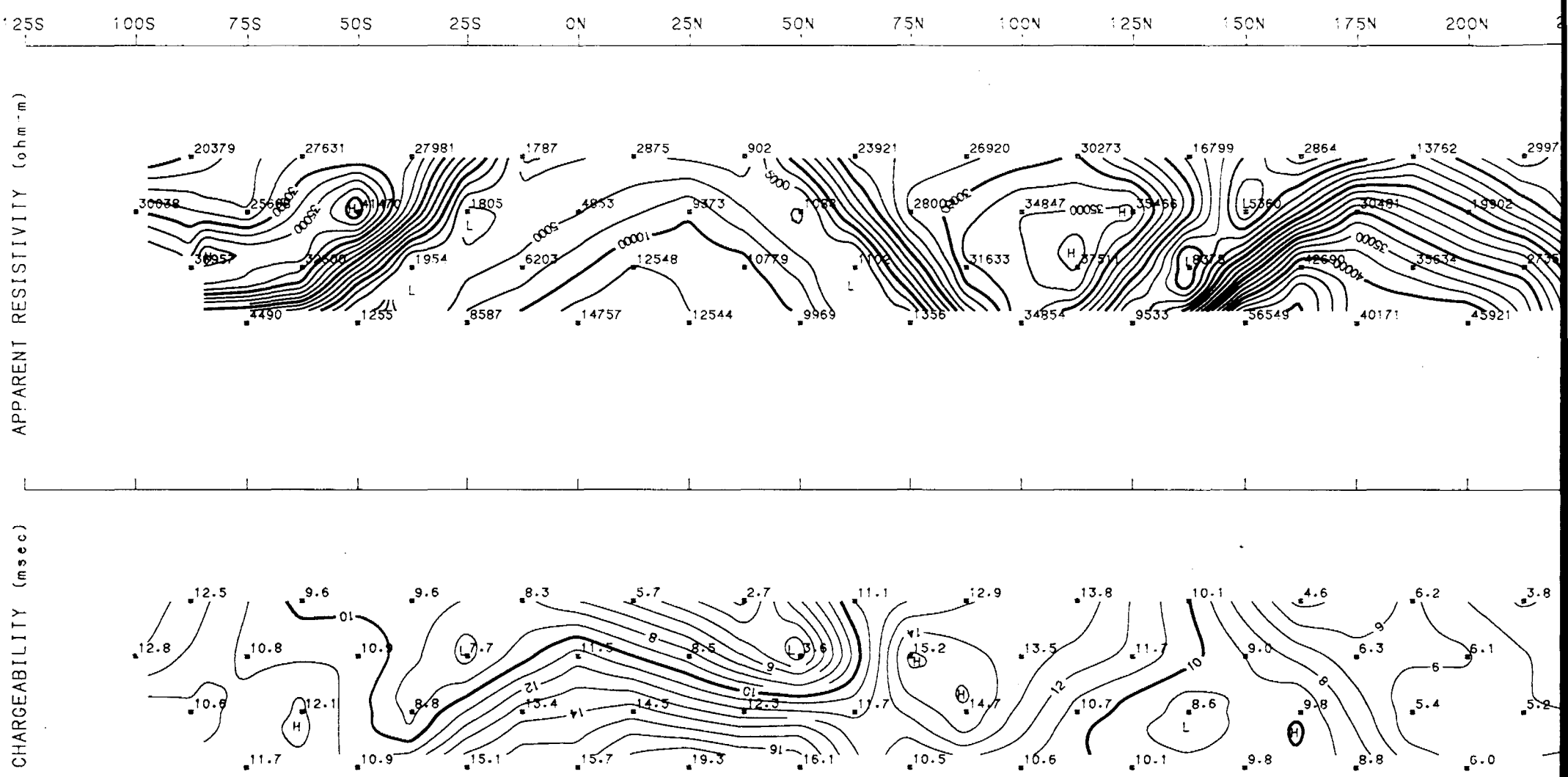
Contour	Range	Interval
———	Above 2500	10000 ohm-m
———		2500 ohm-m
———	2500 - 500	500 ohm-m
———	Below 500	100 ohm-m

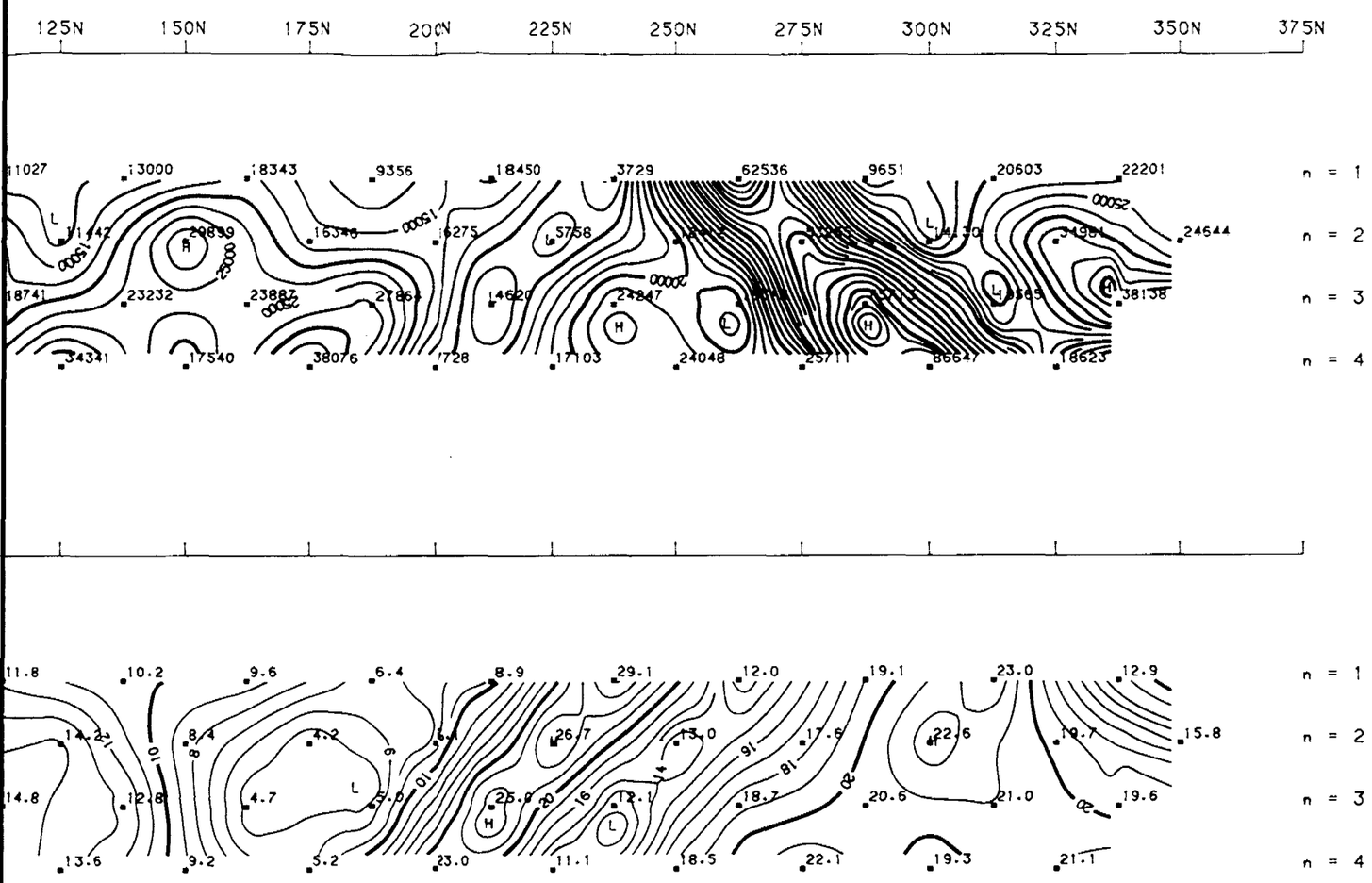
DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

ARDOCH SYNDICATE

KEYHOE - RIDDELL PROPERTY
IP PSEUDO SECTION
LINE : 900W

Dwg No. E.I.C.-1873 Date : 20-Oct-87


125S
100S
75S
50S
25S
0N
25N
50N
75N
100N
125N
150N
175N
200N
APPARENT RESISTIVITY (ohm-m)
20379
27631
27981
1787
2875
902
23921
26920
30273
16799
2864
13762
30038
1805
4853
9373
6203
12548
10779
2800
34847
35456
5360
30481
19902
1954
31633
4490
1255
8587
14757
12544
9969
1356
34854
9533
56549
40171
45921
APPARENT CHARGEABILITY (msec)
12.5
9.6
9.6
8.3
5.7
2.7
11.1
12.9
13.8
10.1
4.6
6.2
3.8
12.8
10.8
10.9
7.7
11.5
8.5
13.6
15.2
13.5
11.7
9.0
6.3
6.1
10.6
12.1
8.8
13.4
14.5
12.3
11.7
14.7
10.7
8.6
9.8
5.4
5.2
11.7
10.9
15.1
15.7
19.3
16.1
10.5
10.6
10.1
9.8
8.8
6.0
900W



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

——— 10 msec contour
——— 1 msec contour

RESISTIVITY :

Contour	Range	Interval
———	Above 2500	10000 ohm-m
———		2500 ohm-m
———	2500 - 500	500 ohm-m
———	Below 500	100 ohm-m

DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

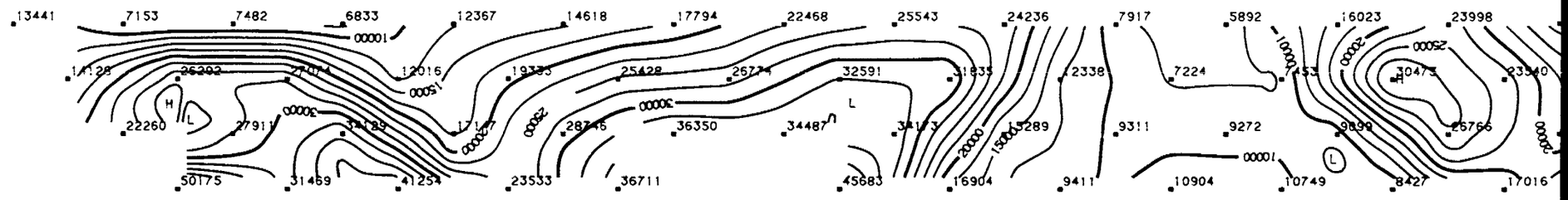
ARDOCH SYNDICATE

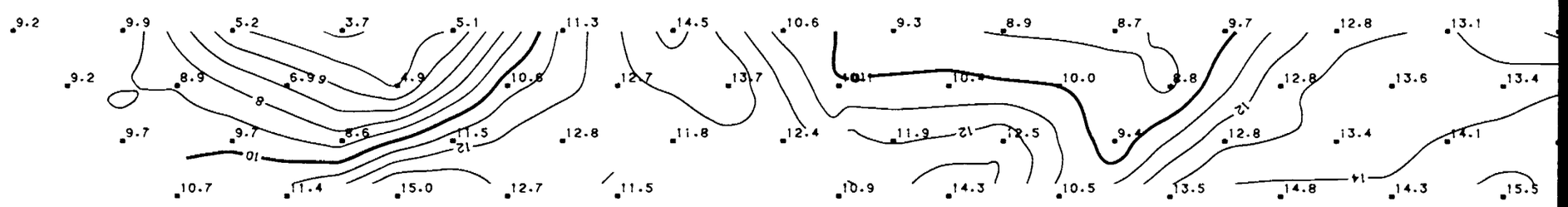
KEYHOE - RIDDELL PROPERTY
IP PSEUDO SECTION
LINE : 800W

2.165 Ω

Dwg No. E.I.C.-1874 Date : 20-Oct-87

350S 325S 300S 275S 250S 225S 200S 175S 150S 125S 100S 75S 50S 25S 0N 25N 50N 75N 100N





550S 525S 500S 475S 450S 425S 400S 375S 350S 325S 300S 275S 250S 225S 200S

APPARENT RESISTIVITY (ohm-m)

146 234 1959

187 694

455

13441 7153

14128 26202

H L

22260

50175

APPARENT CHARGEABILITY (msec)

57.1 26.9 26.2

82.2 35.6

87.1

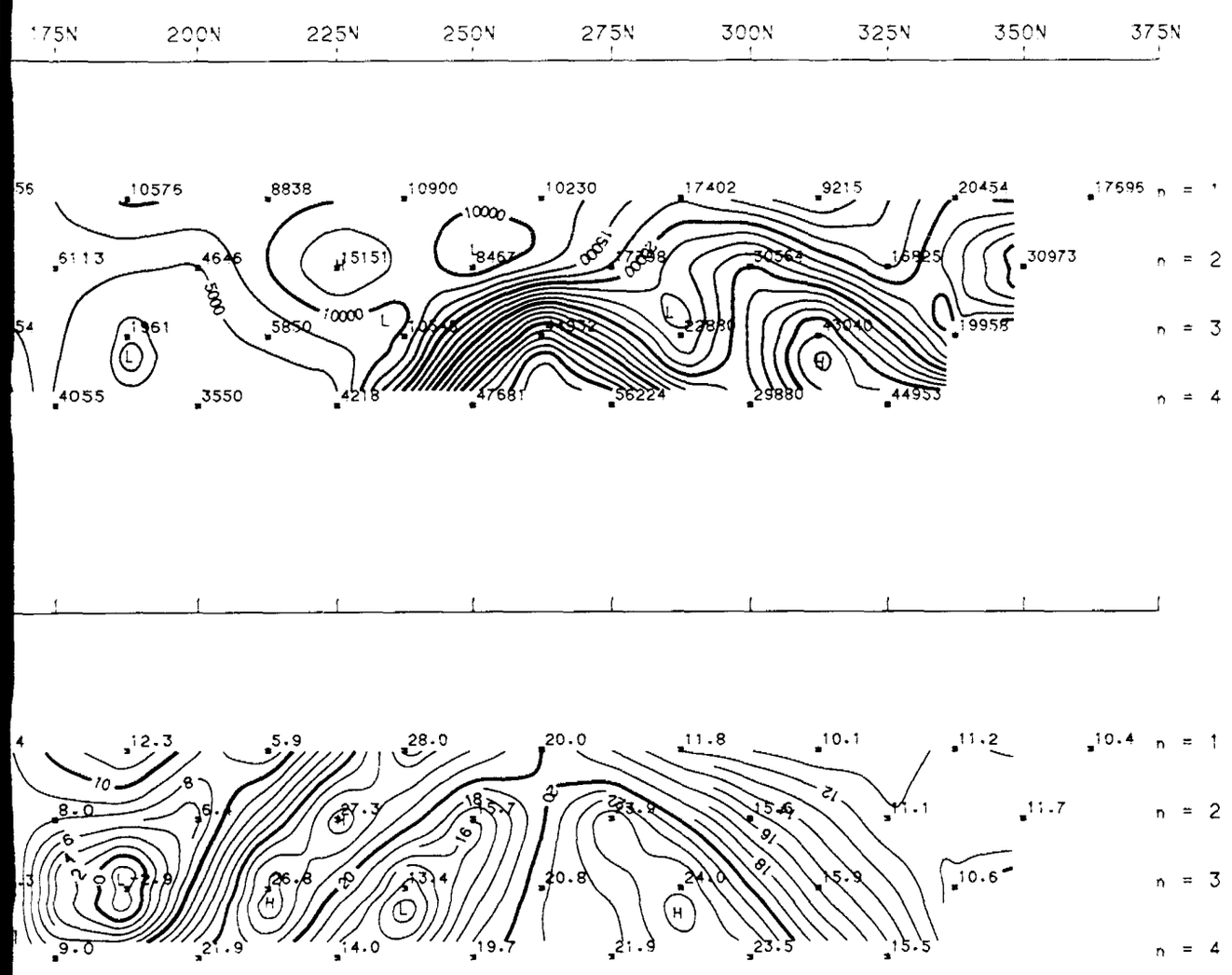
9.2 9.9

9.2 8.9

9.7

10.7

800W



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

——— 10 msec contour
——— 1 msec contour

RESISTIVITY :

Contour	Range	Interval
———	Above 2500	10000 ohm-m
———		2500 ohm-m
———	2500 - 500	500 ohm-m
———	Below 500	100 ohm-m

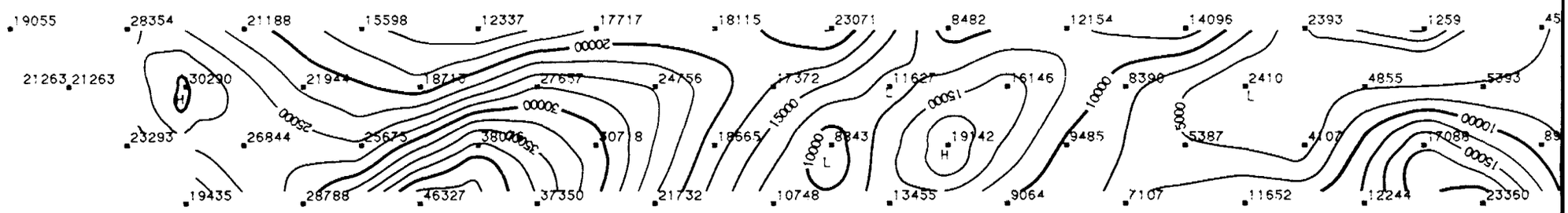
DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

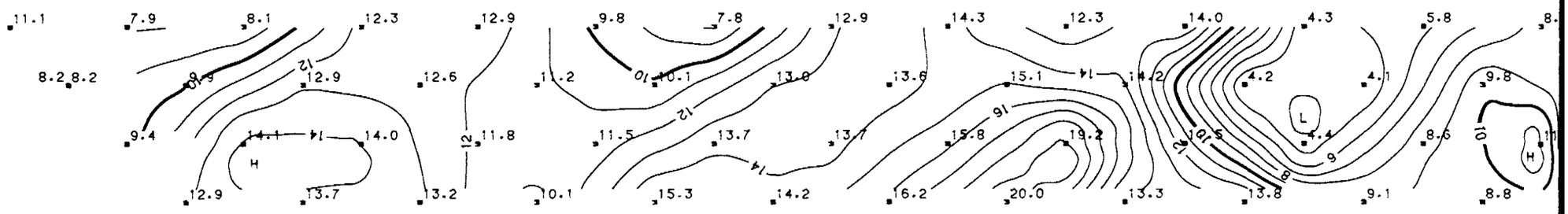
ARDOCH SYNDICATE

KEYHOE - RIDDELL PROPERTY
IP PSEUDO SECTION
LINE : 700W

Dwg No. E.I.C.-1875 Date : 20-Oct-87

225S 200S 175S 150S 125S 100S 75S 50S 25S 0N 25N 50N 75N 100N 125N 150N

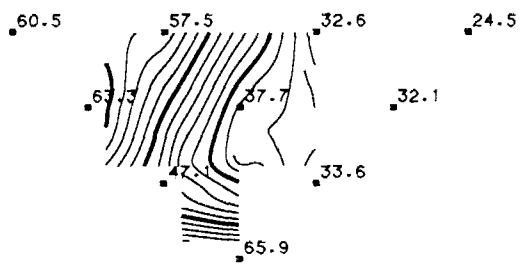




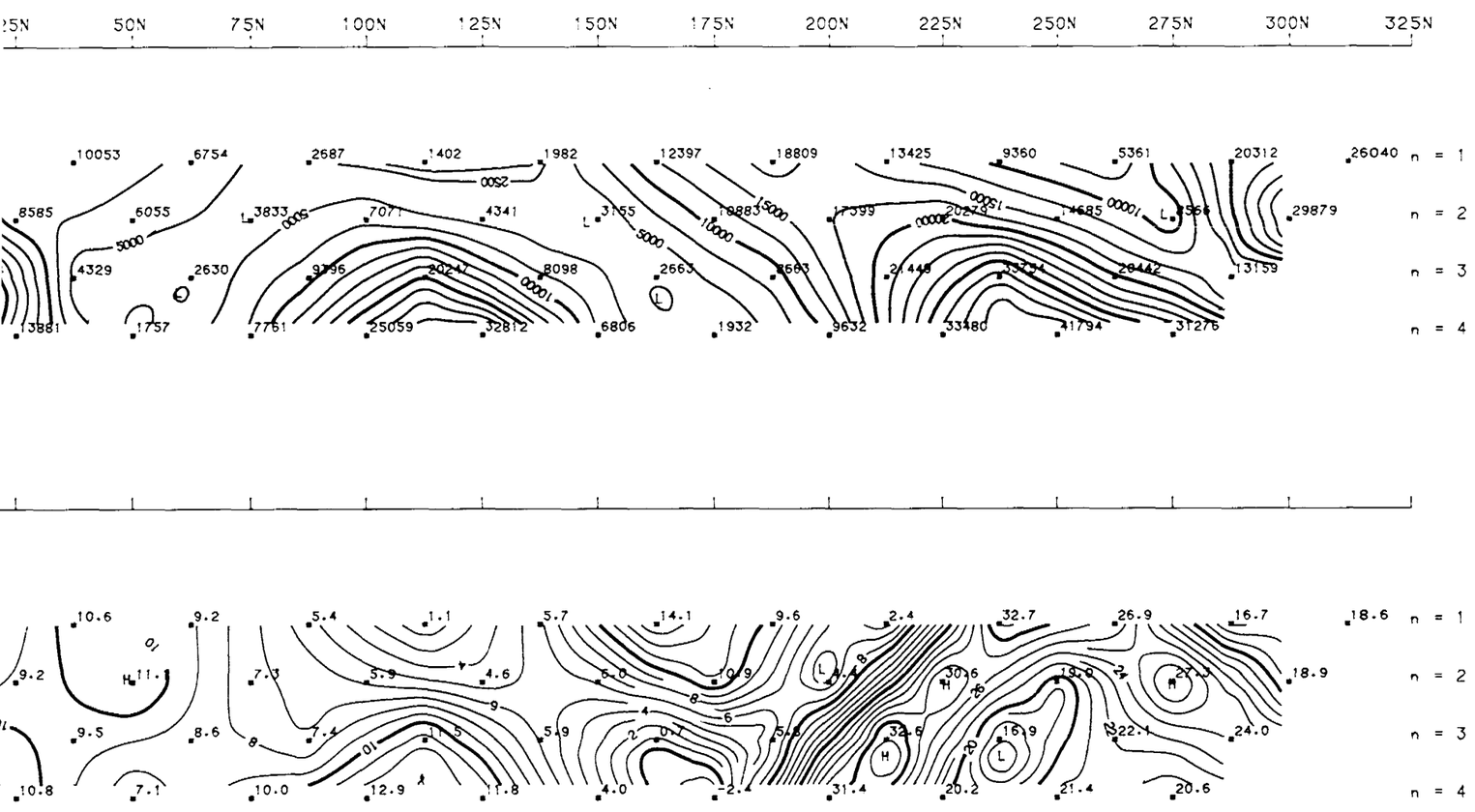
550S 525S 500S 475S 450S 425S 400S 375S 350S 325S 300S 275S 250S

APPARENT RESISTIVITY (ohm-m)

APPARENT CHARGEABILITY (msec)



700W



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

——— 10 msec contour
——— 1 msec contour

RESISTIVITY :

Contour	Range	Interval
———	Above 2500	10000 ohm-m
———		2500 ohm-m
———	2500 - 500	500 ohm-m
———	Below 500	100 ohm-m

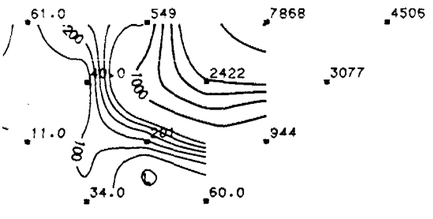
DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

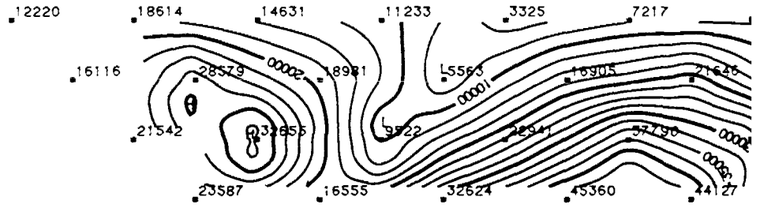
ARDOCH SYNDICATE

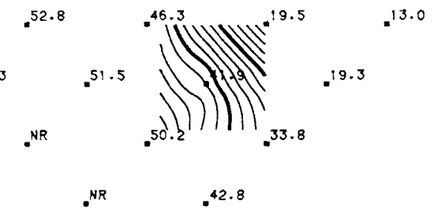
KEYHOE - RIDDELL PROPERTY
IP PSEUDO SECTION
LINE : 600W

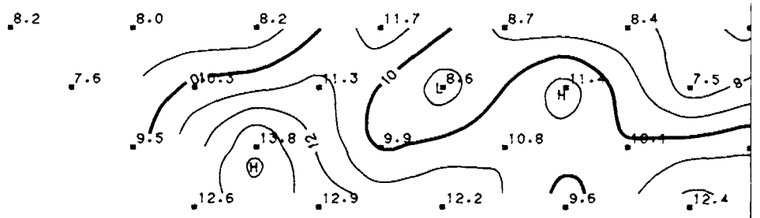
Dwg No. E.I.C.-1876 | Date : 20-Oct-87

500S 475S 450S 425S 400S 375S 350S 325S 300S 275S 250S 225S 200S 175S 150S 125S 100S 75S 50S 25S 0N



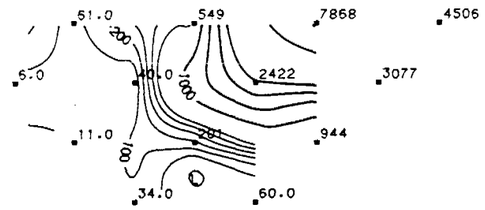




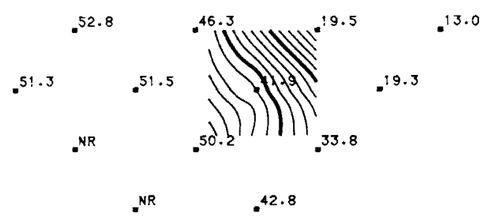


550S 525S 500S 475S 450S 425S 400S 375S 350S 325S 300S 275S 250S 225S 200S 175S

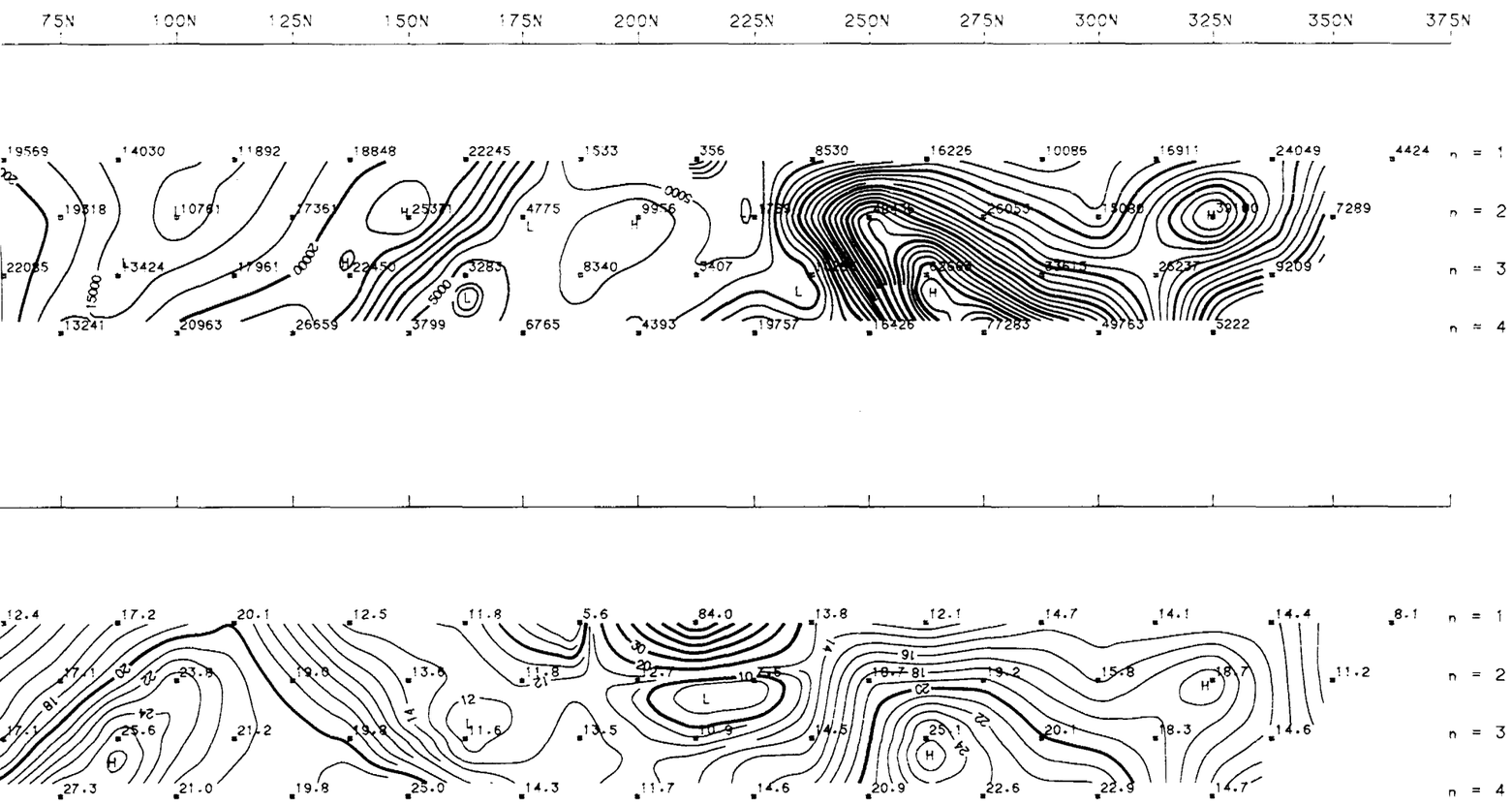
APPARENT RESISTIVITY (ohm-m)



APPARENT CHARGEABILITY (msec)



600W



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

——— 10 msec contour
——— 1 msec contour

RESISTIVITY :

Contour	Range	Interval
———	Above 2500	10000 ohm-m
———		2500 ohm-m
———	2500 - 500	500 ohm-m
———	Below 500	100 ohm-m

DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

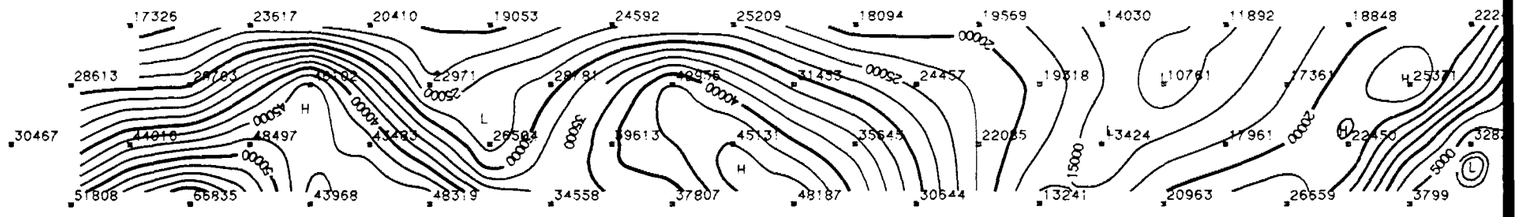
ARDOCH SYNDICATE

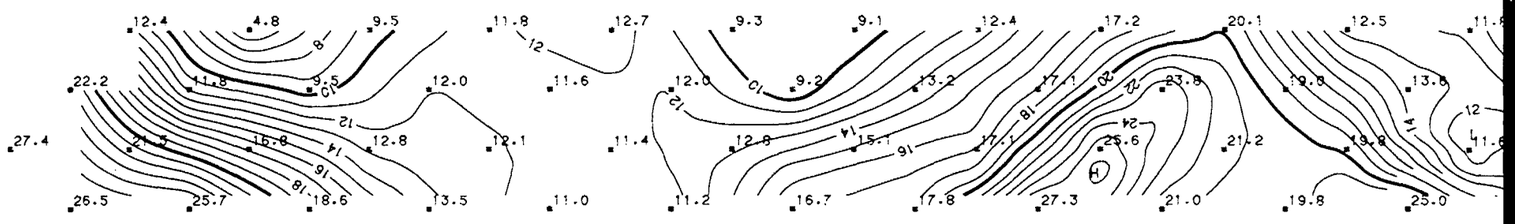
KEYHOE - RIDDELL PROPERTY
IP PSEUDO SECTION
LINE : 500W

2.1051.2

Dwg No. E.I.C.-1877 | Date : 20-Oct-87

350S 325S 300S 275S 250S 225S 200S 175S 150S 125S 100S 75S 50S 25S 0N 25N 50N 75N 100N 125N 150N





375N

4424 n = 1

n = 2

n = 3

n = 4

8.1 n = 1

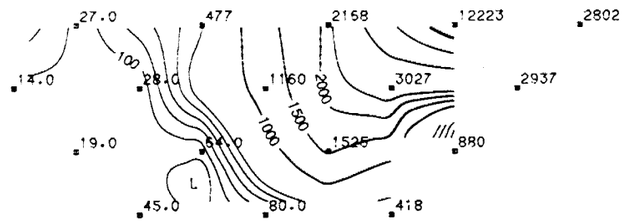
n = 2

n = 3

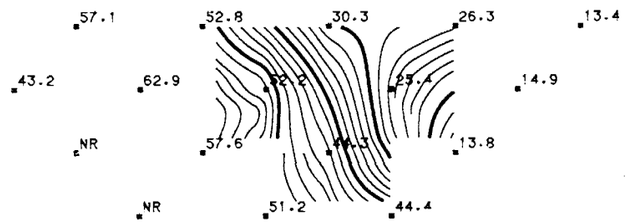
n = 4

550S 525S 500S 475S 450S 425S 400S 375S 350S 325S 300S 275S 250S 225S 200S 175S 150S

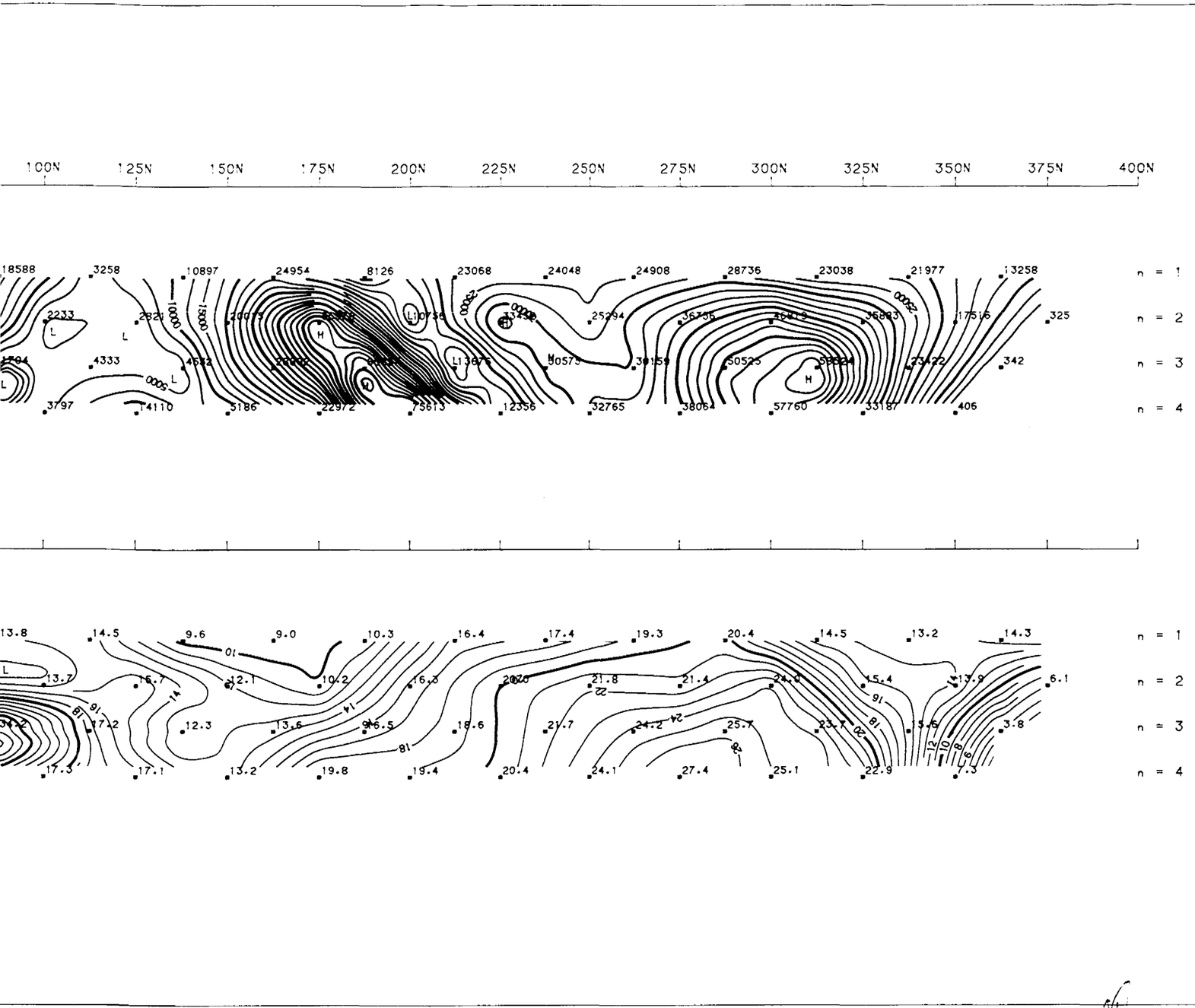
APPARENT RESISTIVITY (ohm-m)



APPARENT CHARGEABILITY (msec)



500W



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

——— 10 msec contour
——— 1 msec contour

RESISTIVITY :

Contour	Range	Interval
———	Above 2500	10000 ohm-m
———		2500 ohm-m
———	2500 - 500	500 ohm-m
———	Below 500	100 ohm-m

DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

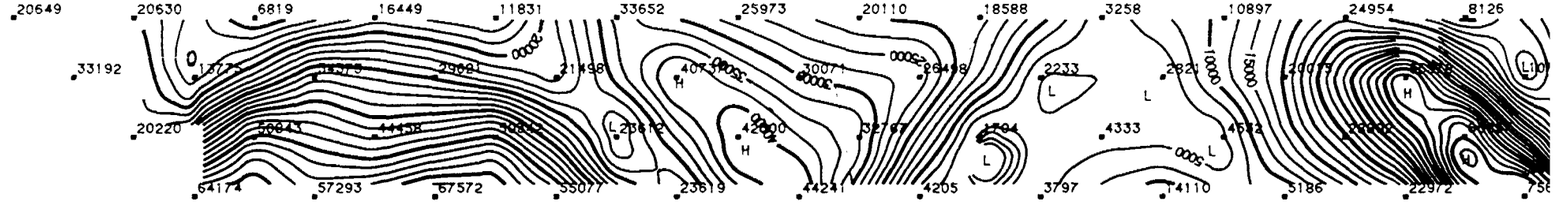
ARDOCH SYNDICATE

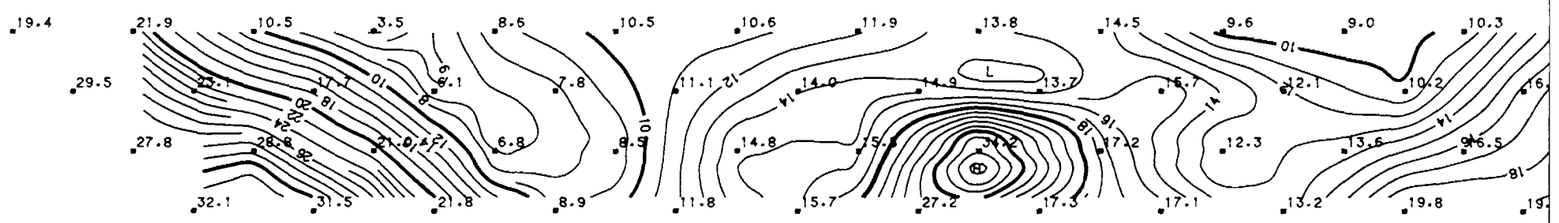
KEYHOE - RIDDELL PROPERTY
IP PSEUDO SECTION
LINE : 400W

2,105

Dwg No. E.I.C.-1878 | Date : 20-Oct-87

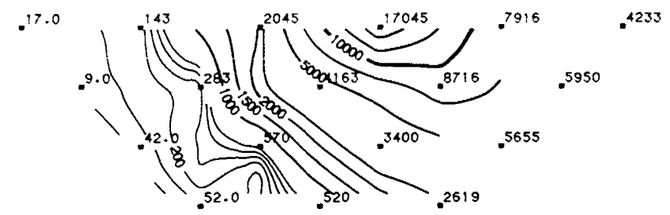
:5S 300S 275S 250S 225S 200S 175S 150S 125S 100S 75S 50S 25S 0N 25N 50N 75N 100N 125N 150N 175N 200N



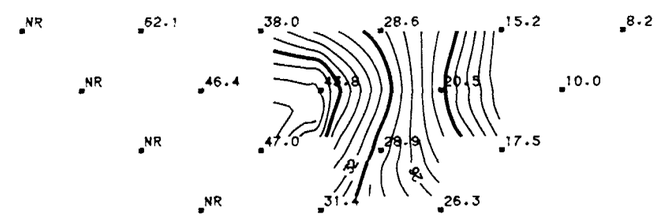


525S 500S 475S 450S 425S 400S 375S 350S 325S 300S 275S 250S 225S 200S 175S 150S 125S

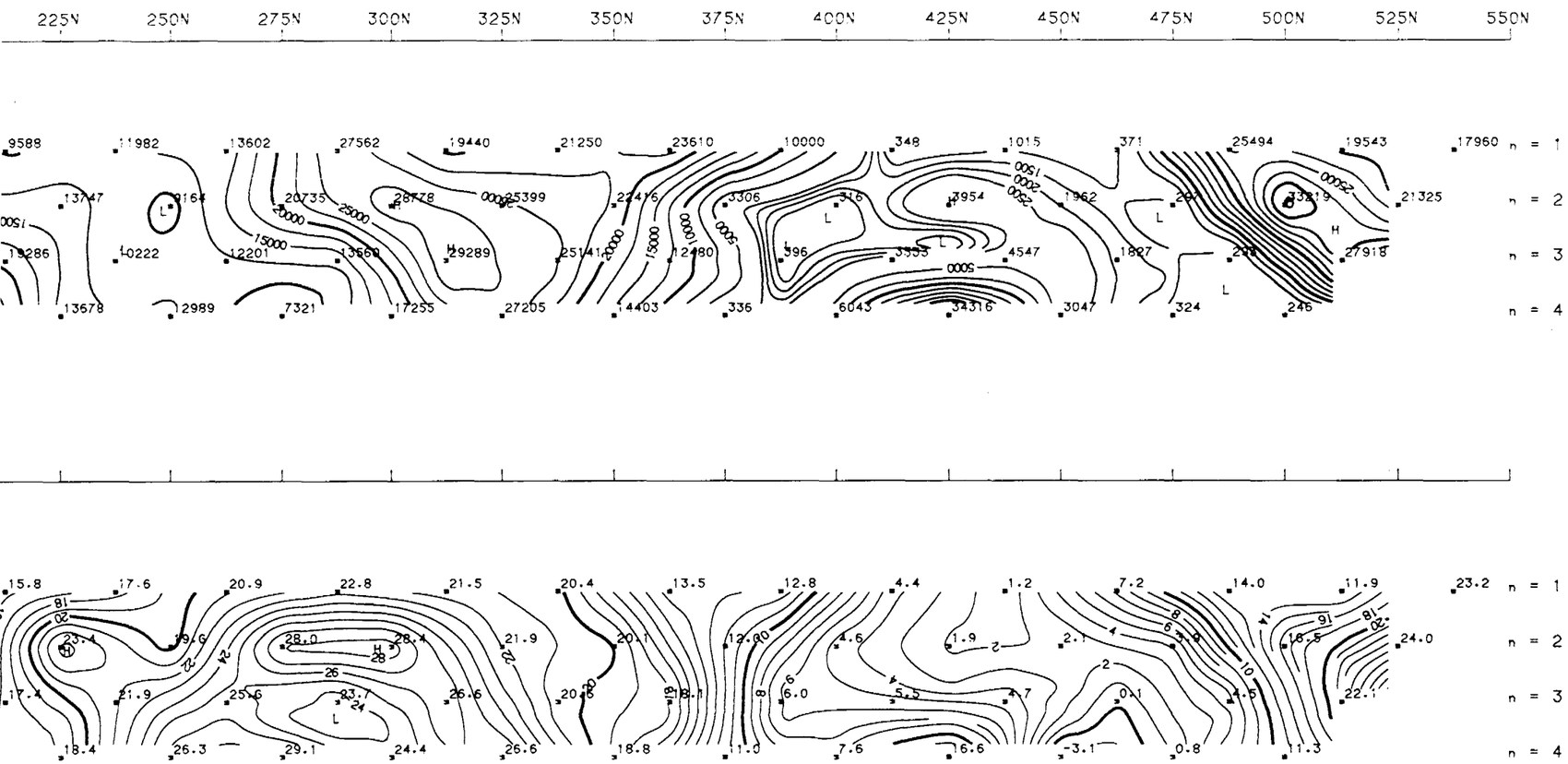
APPARENT RESISTIVITY (ohm-m)



APPARENT CHARGEABILITY (msec)



400W



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

10 msec contour
1 msec contour

RESISTIVITY :

Contour	Range	Interval
	Above 2500	10000 ohm-m
		2500 ohm-m
	2500 - 500	500 ohm-m
	Below 500	100 ohm-m

DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

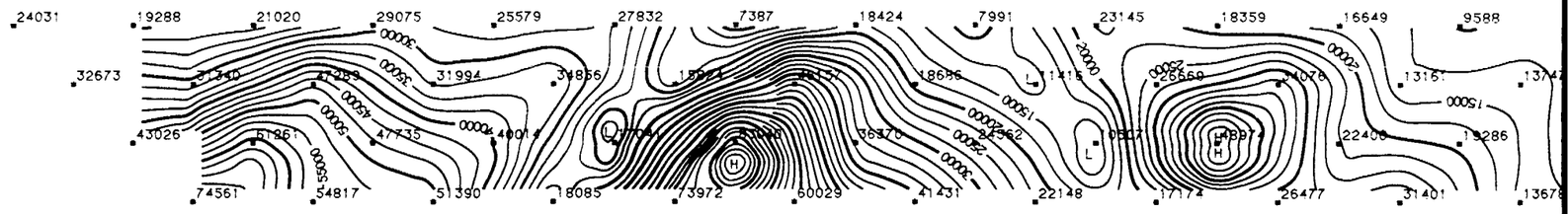
ARDOCH SYNDICATE

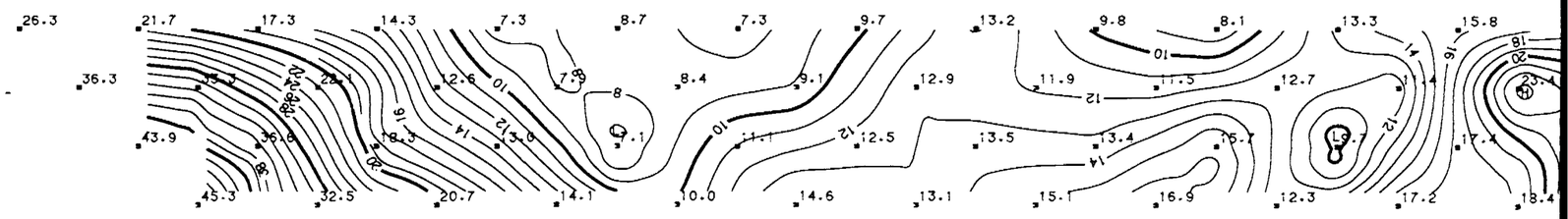
KEYHOE - RIDDELL PROPERTY
IP PSEUDO SECTION
LINE : 300W

2,105/2

Dwg No. E.I.C.-1879 | Date : 20-Oct-87

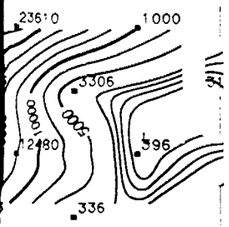
S 275S 250S 225S 200S 175S 150S 125S 100S 75S 50S 25S 0N 25N 50N 75N 100N 125N 150N 175N 200N 225N

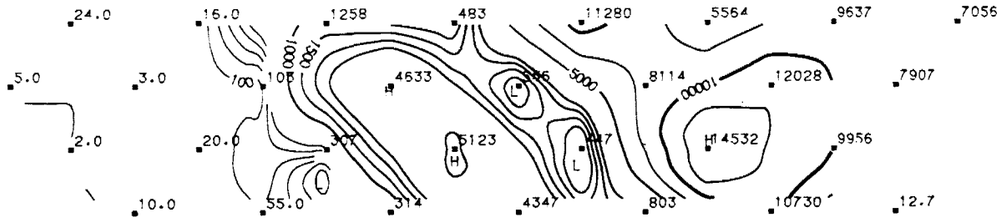


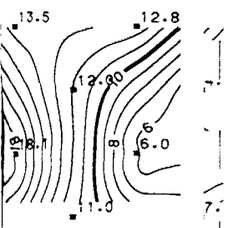


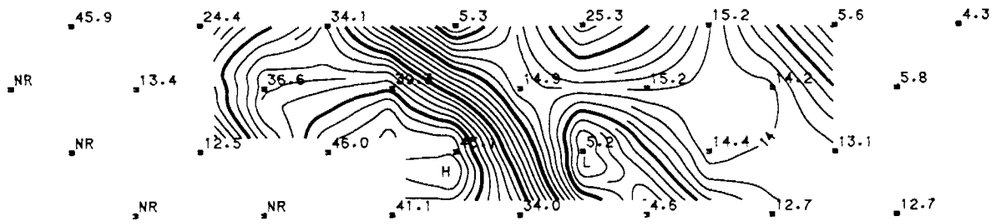
375N

550S 525S 500S 475S 450S 425S 400S 375S 350S 325S 300S 275S 250S 225S 200S 175S 150S

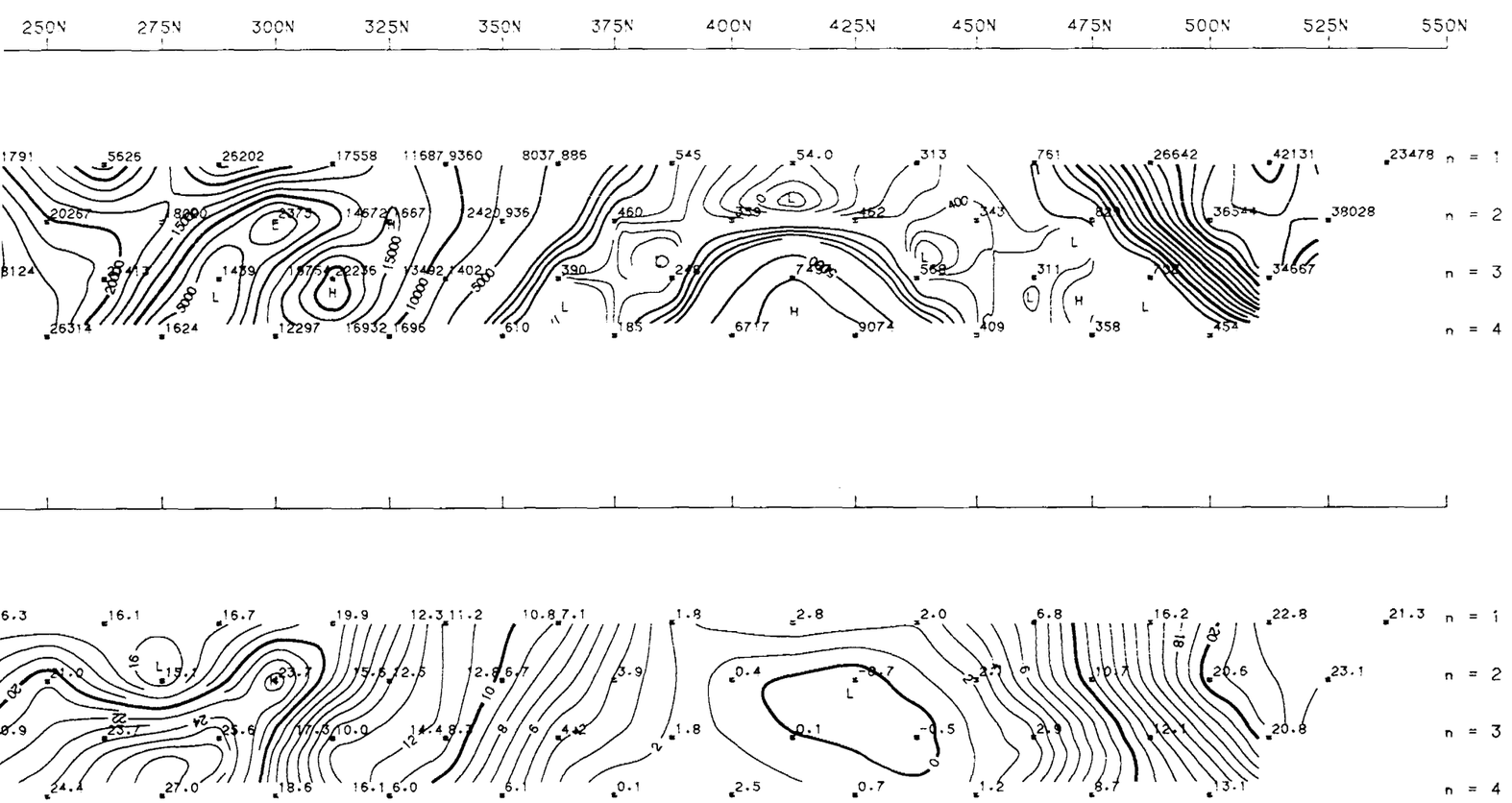








300W



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

10 msec contour
1 msec contour

RESISTIVITY :

Contour	Range	Interval
———	Above 2500	10000 ohm-m
———		2500 ohm-m
———	2500 - 500	500 ohm-m
———	Below 500	100 ohm-m

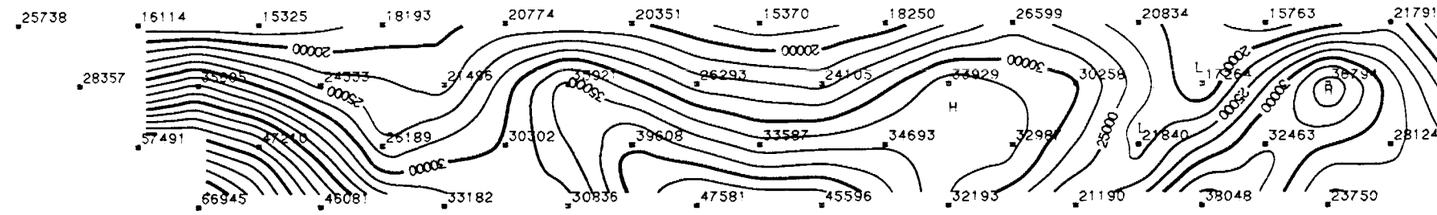
DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

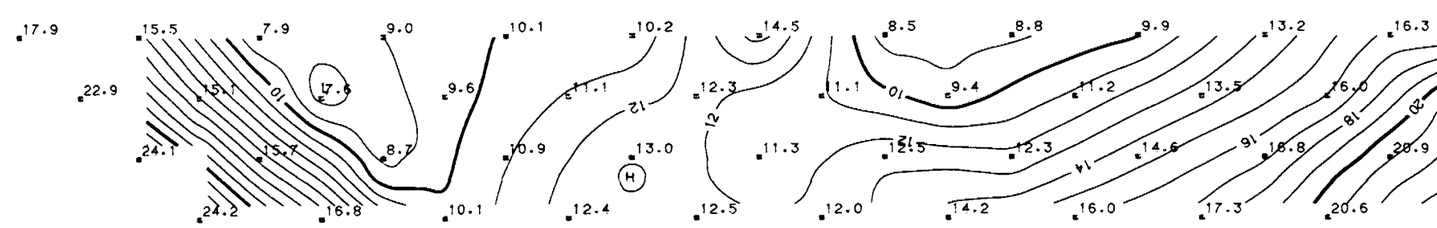
ARDOCH SYNDICATE

KEYHOE - RIDDELL PROPERTY
IP PSEUDO SECTION
LINE : 200W

Dwg No. E.M.C-1880	Date : 20-Oct-87

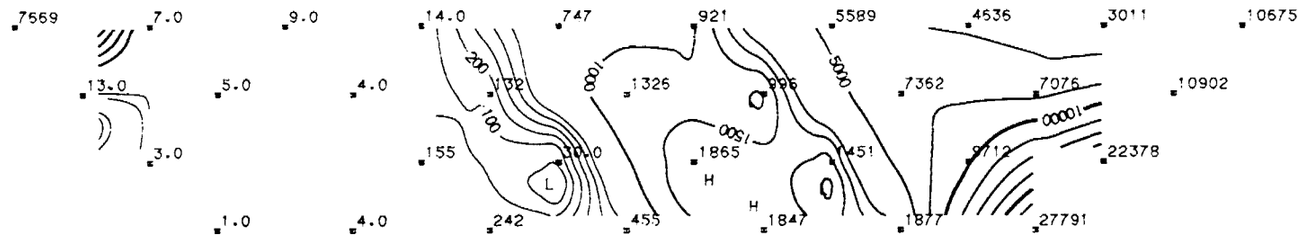
250S 225S 200S 175S 150S 125S 100S 75S 50S 25S 0N 25N 50N 75N 100N 125N 150N 175N 200N 225N 25



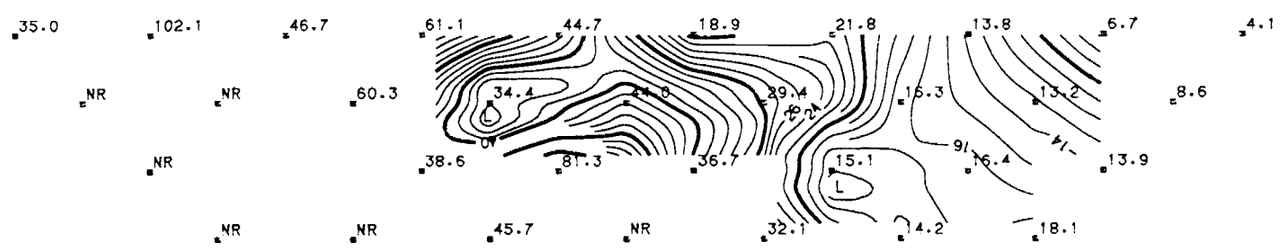


575S 550S 525S 500S 475S 450S 425S 400S 375S 350S 325S 300S 275S 250S 225S 200S 175S

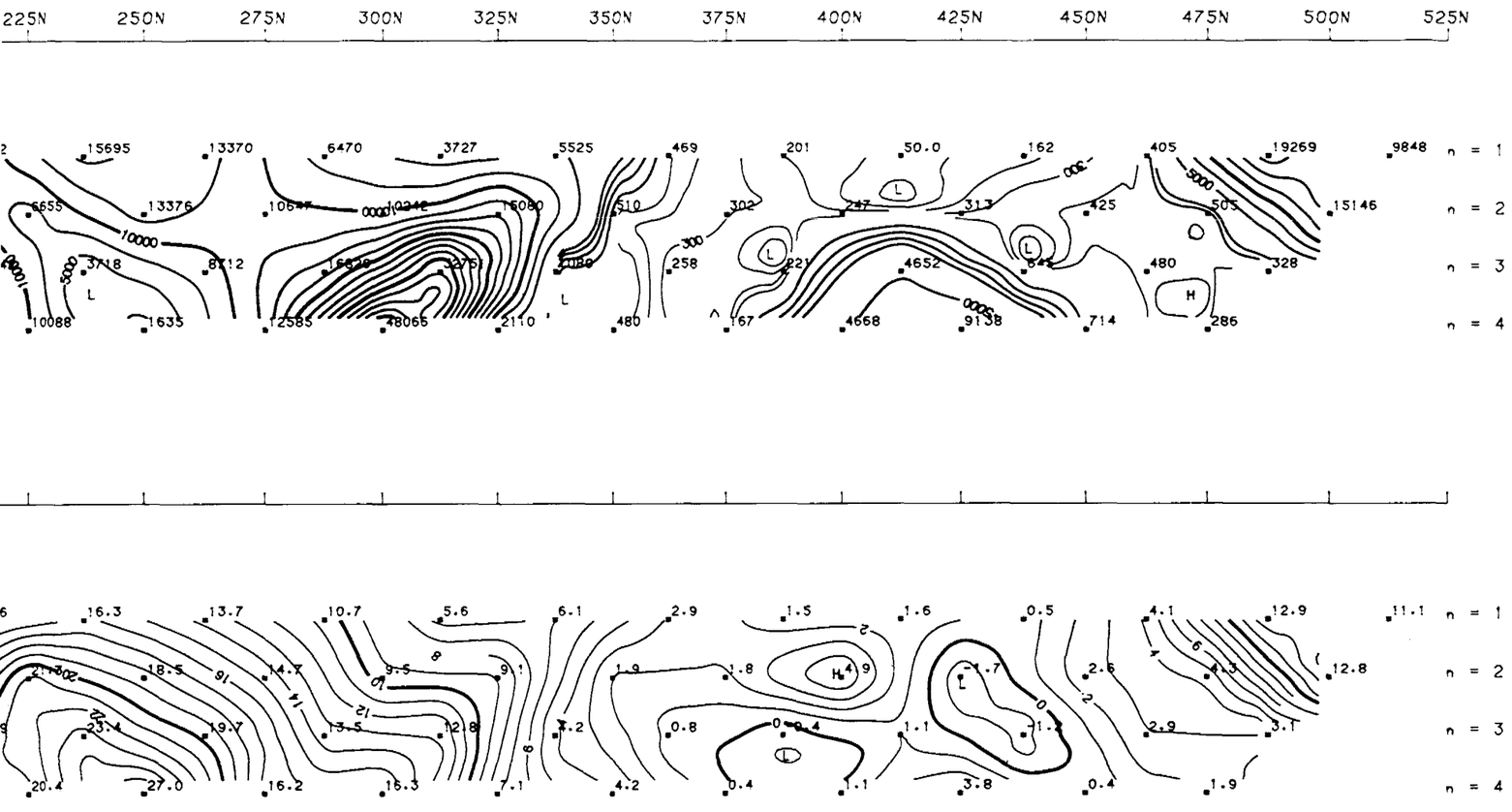
APPARENT RESISTIVITY (ohm-m)



APPARENT CHARGEABILITY (msec)



200W



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

——— 10 msec contour
——— 1 msec contour

RESISTIVITY :

Contour	Range	Interval
———	Above 2500	10000 ohm-m
———		2500 ohm-m
———	2500 - 500	500 ohm-m
———	Below 500	100 ohm-m

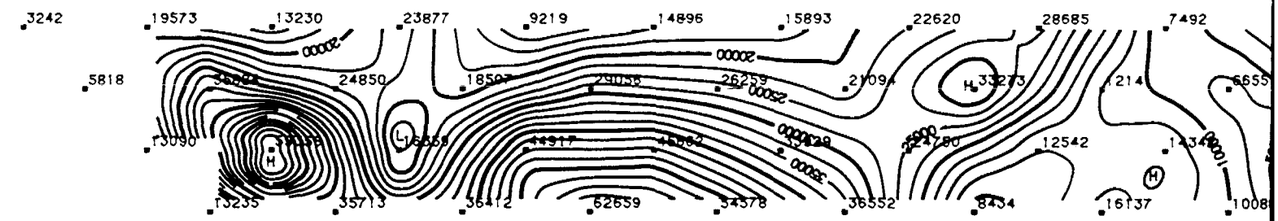
DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

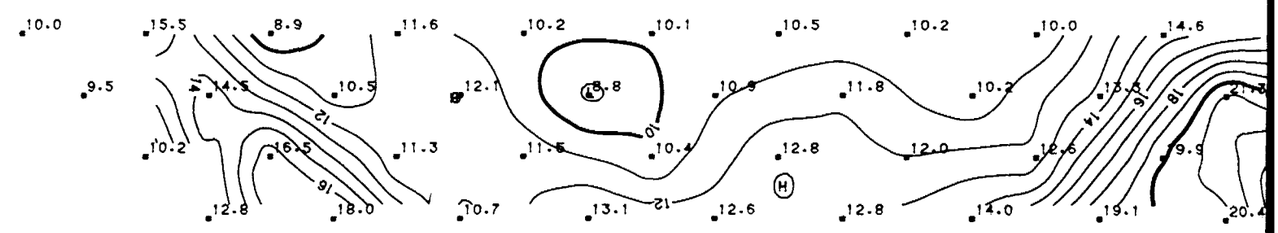
ARDOCH SYNDICATE

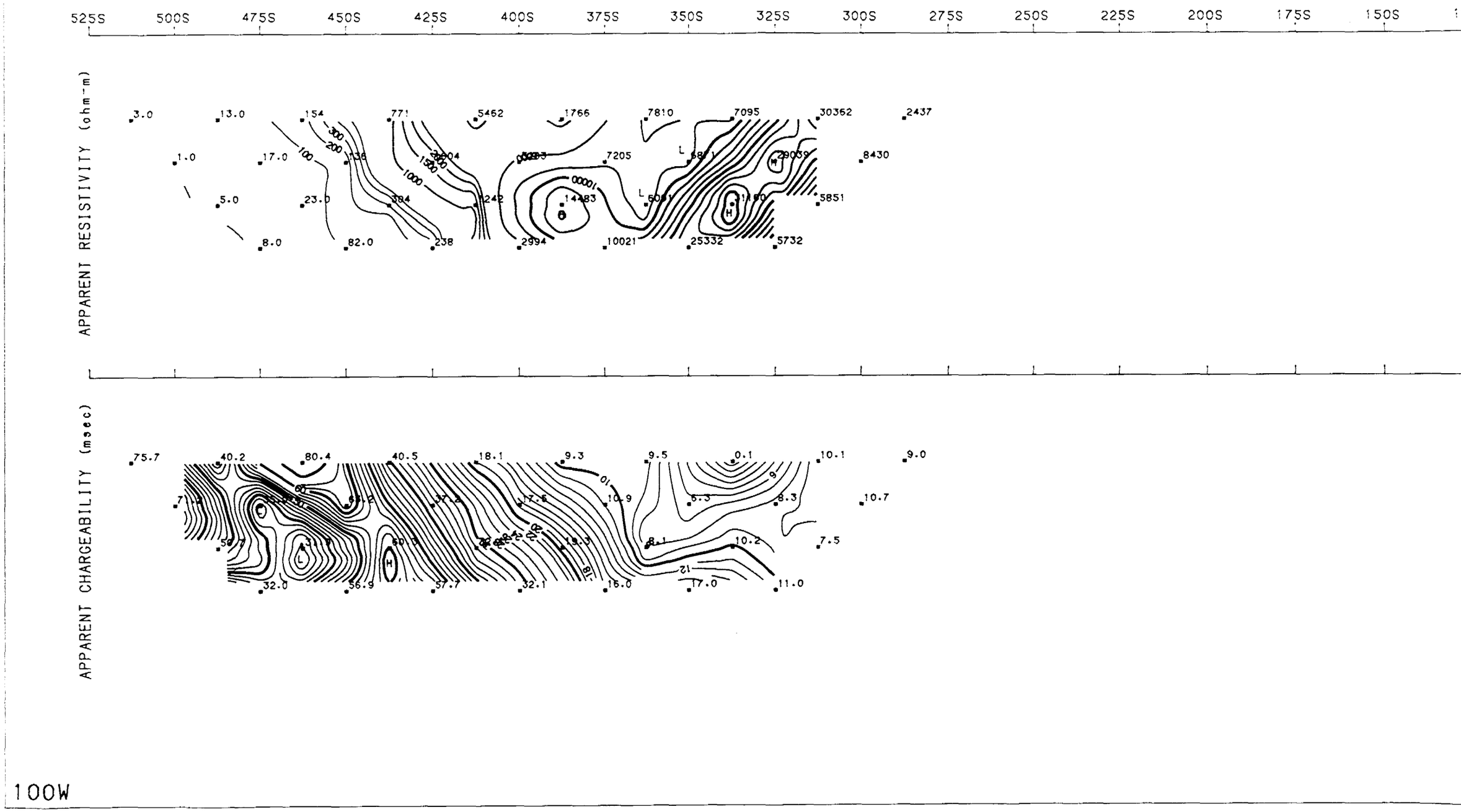
KEYHOE - RIDDELL PROPERTY
IP PSEUDO SECTION
LINE : 100W

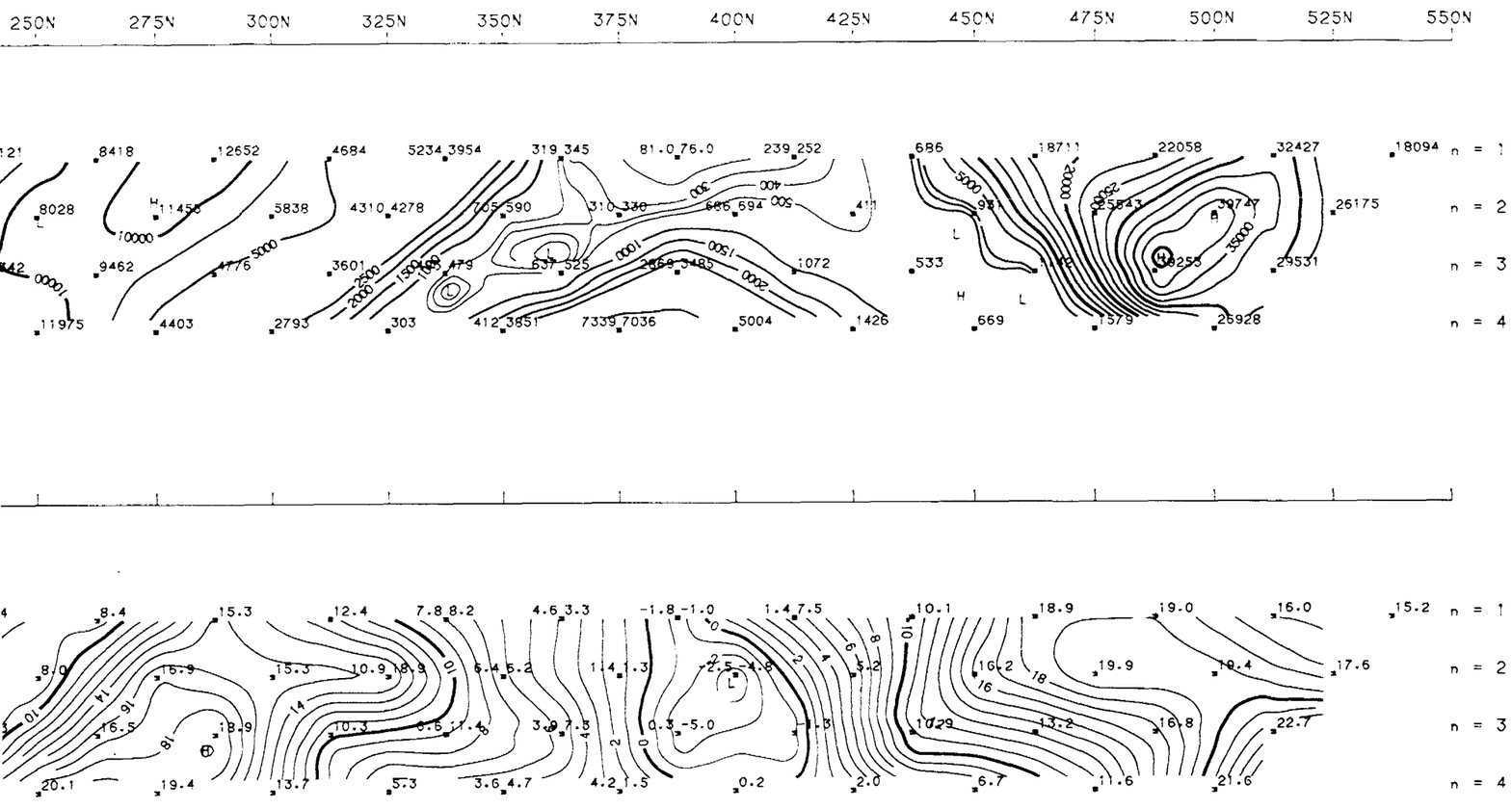
Dwg No. E.I.C.-1881 | Date : 20-Oct-87

250S 225S 200S 175S 150S 125S 100S 75S 50S 25S 0N 25N 50N 75N 100N 125N 150N 175N 200N 225N






525S
500S
475S
450S
425S
400S
375S
350S
325S
300S
275S
250S
225S
200S
175S
150S
APPARENT RESISTIVITY (ohm-m)
3.0
13.0
154
771
5462
1766
7810
7095
30362
2437
1.0
17.0
136
7205
8430
5.0
23.0
384
1242
14483
5851
8.0
82.0
238
2994
10021
25332
5732
100
300
200
1000
1500
L
H
APPARENT CHARGEABILITY (msec)
75.7
40.2
80.4
40.5
18.1
9.3
9.5
0.1
10.1
9.0
10.7
8.3
5.3
10.2
7.5
32.0
56.9
57.7
32.1
16.0
17.0
11.0
10
18
12
100W



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

10 msec contour
1 msec contour

RESISTIVITY :

Contour	Range	Interval
	Above 2500	10000 ohm-m
		2500 ohm-m
	2500 - 500	500 ohm-m
	Below 500	100 ohm-m

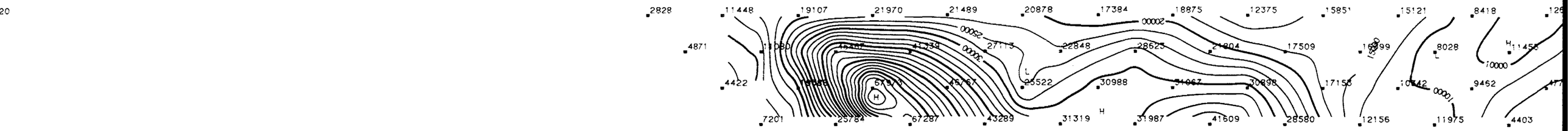
DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

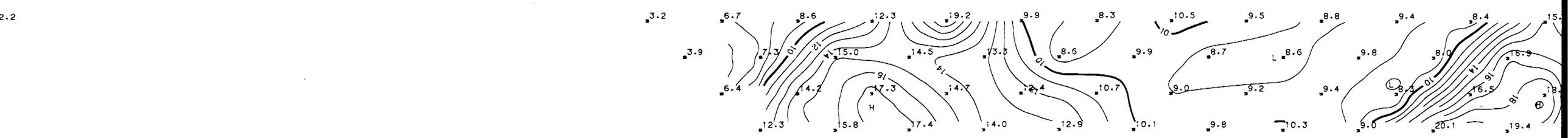
ARDOCH SYNDICATE

KEYHOE - RIDDELL PROPERTY
IP PSEUDO SECTION
LINE : 000E

Dwg No. EIC-1882 Date : 20-Oct-87

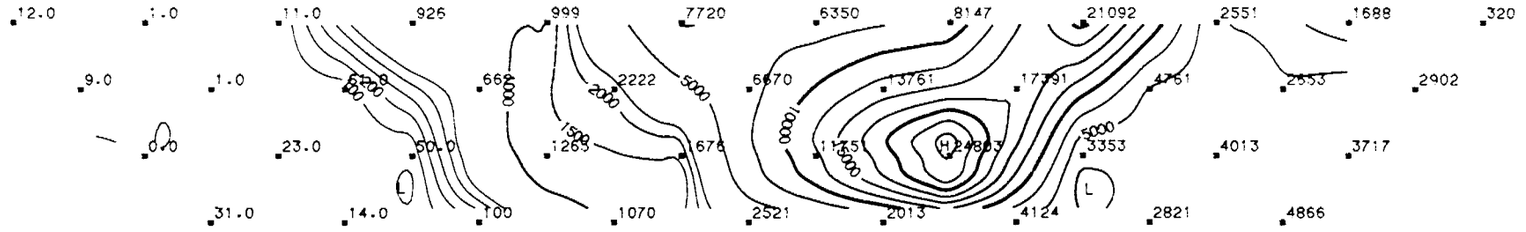
225S 200S 175S 150S 125S 100S 75S 50S 25S 0N 25N 50N 75N 100N 125N 150N 175N 200N 225N 250N 275N



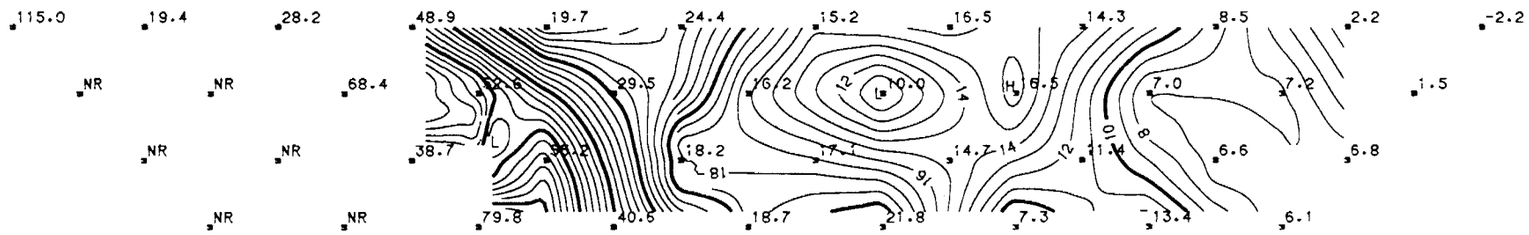


525S 500S 475S 450S 425S 400S 375S 350S 325S 300S 275S 250S 225S 200S 175S 150S 125S

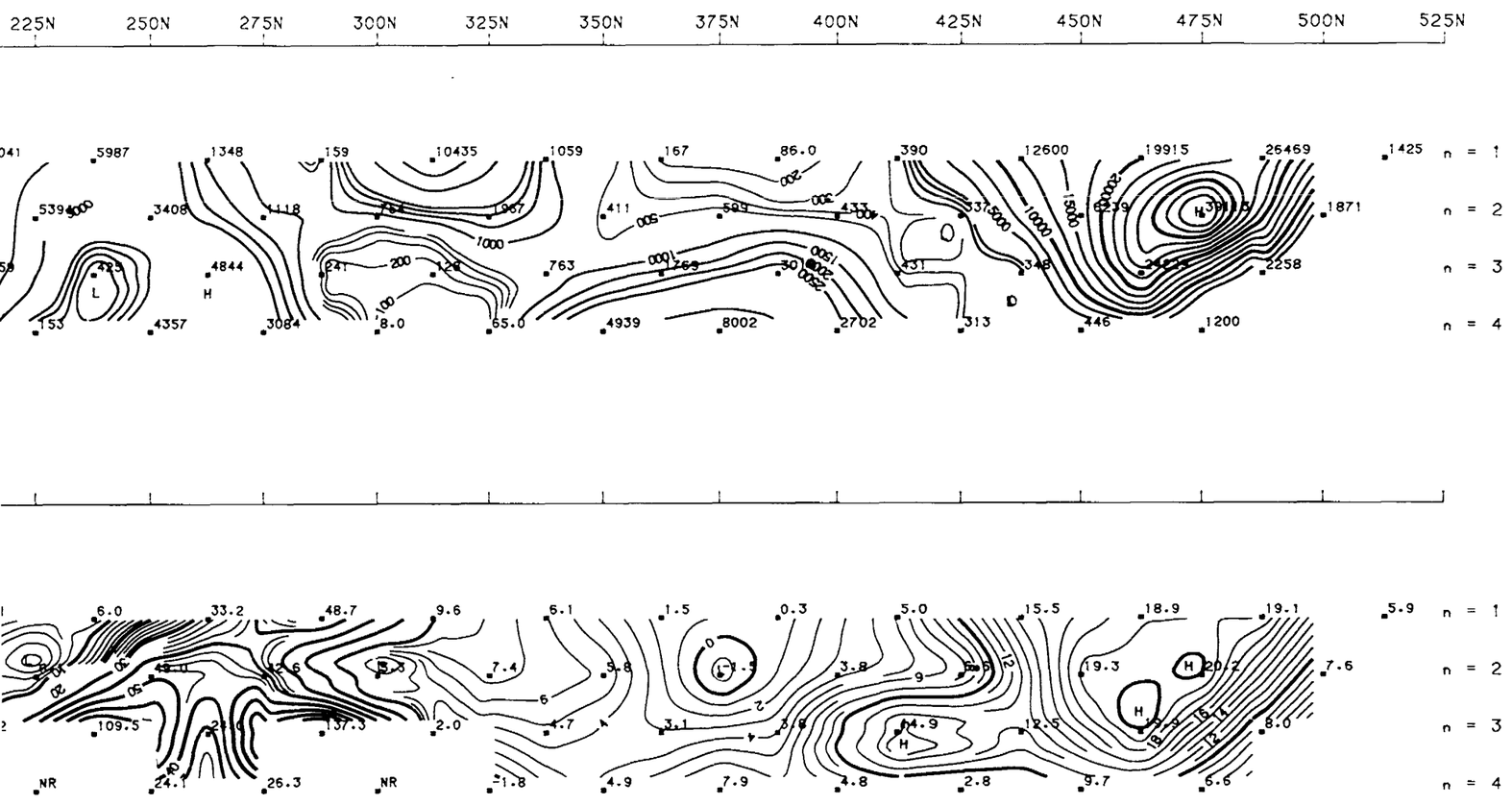
APPARENT RESISTIVITY (ohm-m)



APPARENT CHARGEABILITY (msec)



000E



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

——— 10 msec contour
——— 1 msec contour

RESISTIVITY :

Contour	Range	Interval
———	Above 2500	10000 ohm-m
———		2500 ohm-m
———	2500 - 500	500 ohm-m
———	Below 500	100 ohm-m

DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

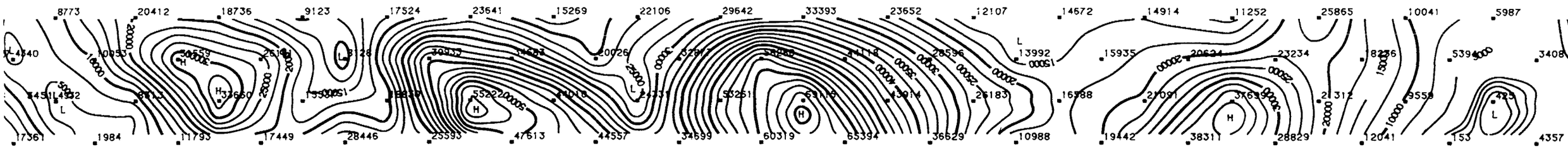
ARDOCH SYNDICATE

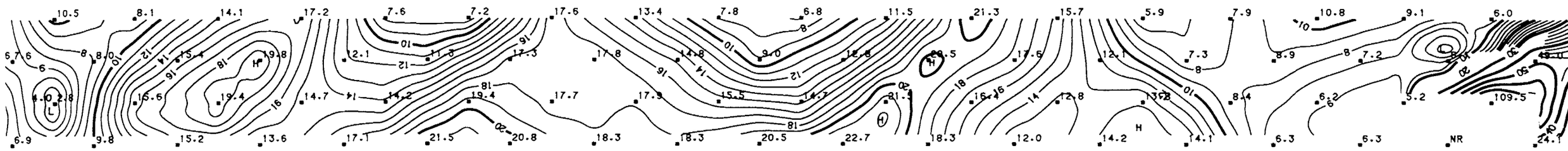
KEYHOE - RIDDELL PROPERTY
IP PSEUDO SECTION
LINE : 100E

Dwg No. E.I.C.-1883

Date : 20-Oct-87

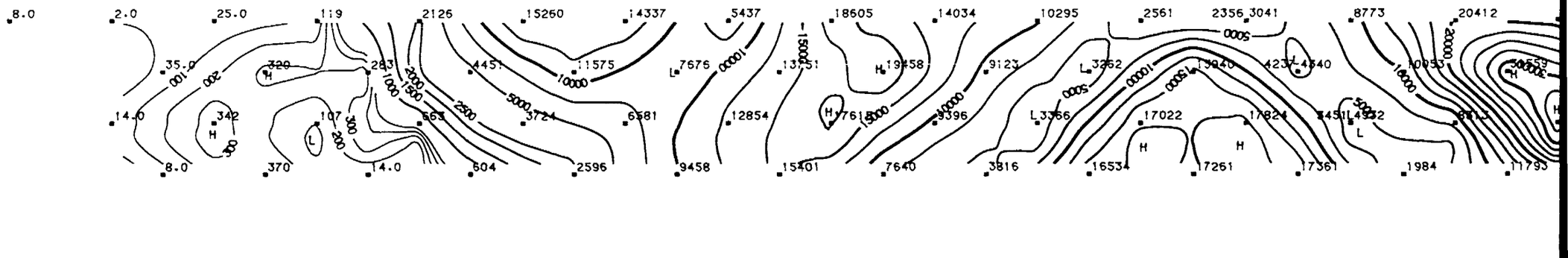
:00S 175S 150S 125S 100S 75S 50S 25S 0N 25N 50N 75N 100N 125N 150N 175N 200N 225N 250N



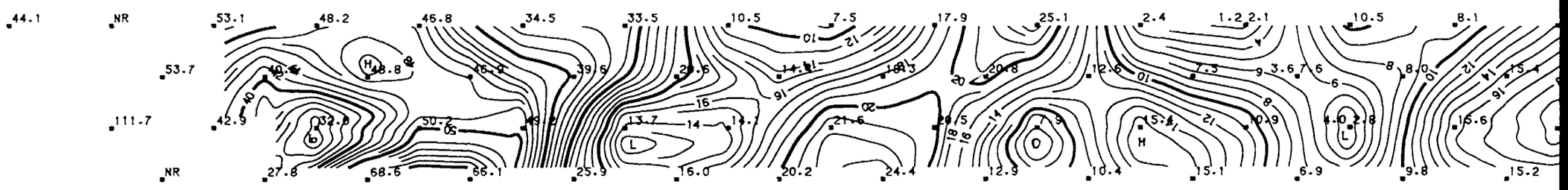


525S 500S 475S 450S 425S 400S 375S 350S 325S 300S 275S 250S 225S 200S 175S 150S

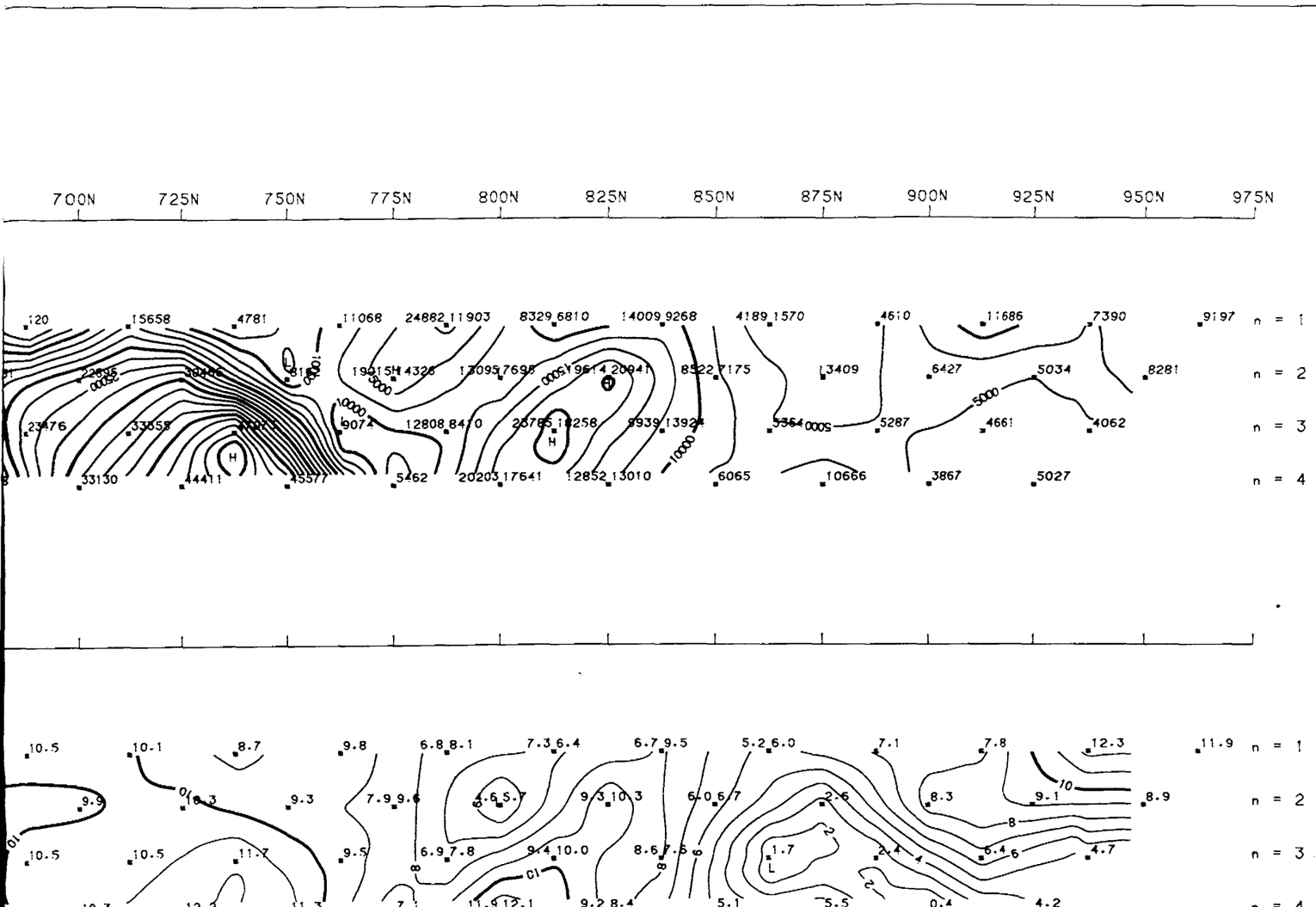
APPARENT RESISTIVITY (ohm-m)



APPARENT CHARGEABILITY (msec)



100E



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

10 msec contour
1 msec contour

RESISTIVITY :

Contour	Range	Interval
	Above 2500	10000 ohm-m
		2500 ohm-m
	2500 - 500	500 ohm-m
	Below 500	100 ohm-m

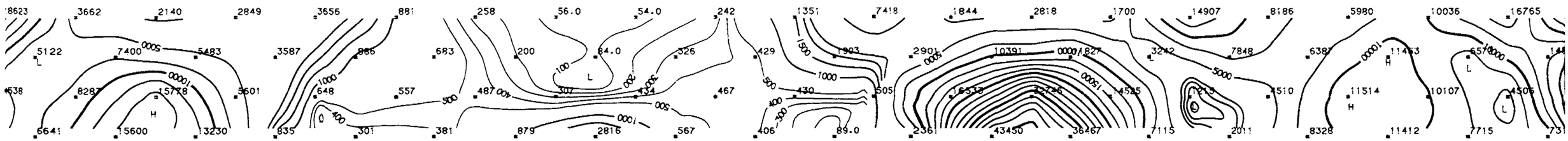
DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

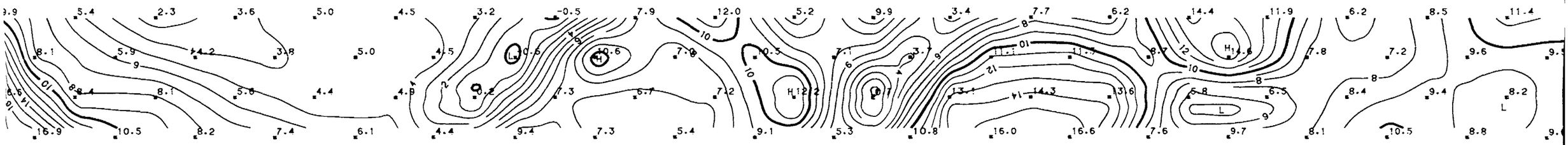
ARDOCH SYNDICATE

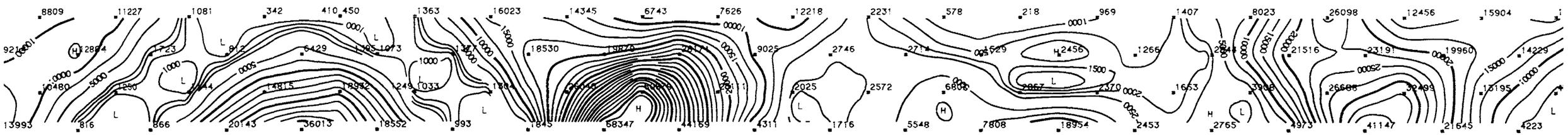
KEYHOE - RIDDELL PROPERTY
IP PSEUDO SECTION
LINE : 200E

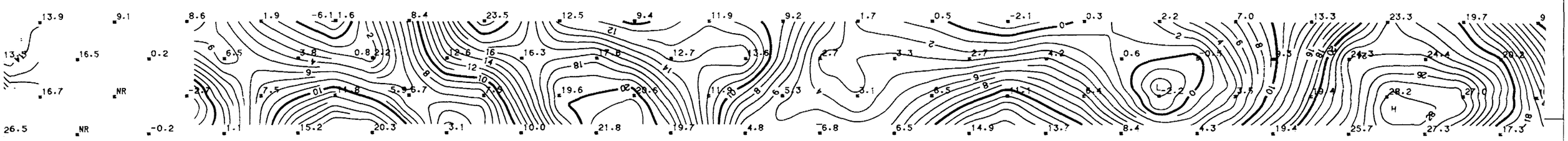
Dwg No. E.I.C.- 1884 | Date : 20-Oct-87

200N 225N 250N 275N 300N 325N 350N 375N 400N 425N 450N 475N 500N 525N 550N 575N 600N 625N 650N 675N



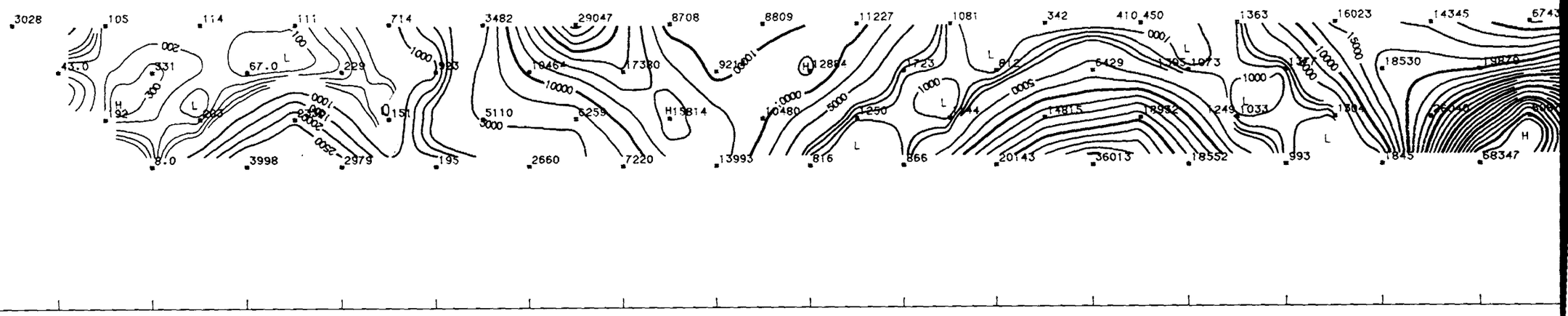



300S
275S
250S
225S
200S
175S
150S
125S
100S
75S
50S
25S
0N
25N
50N
75N
100N
125N
150N
175N

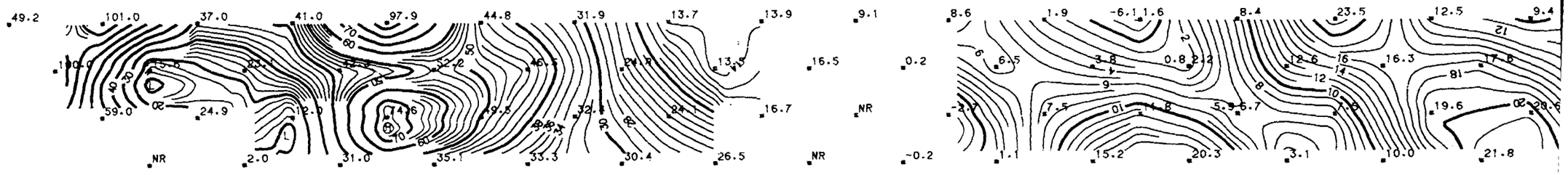


525S 500S 475S 450S 425S 400S 375S 350S 325S 300S 275S 250S 225S 200S 175S 150S 125S

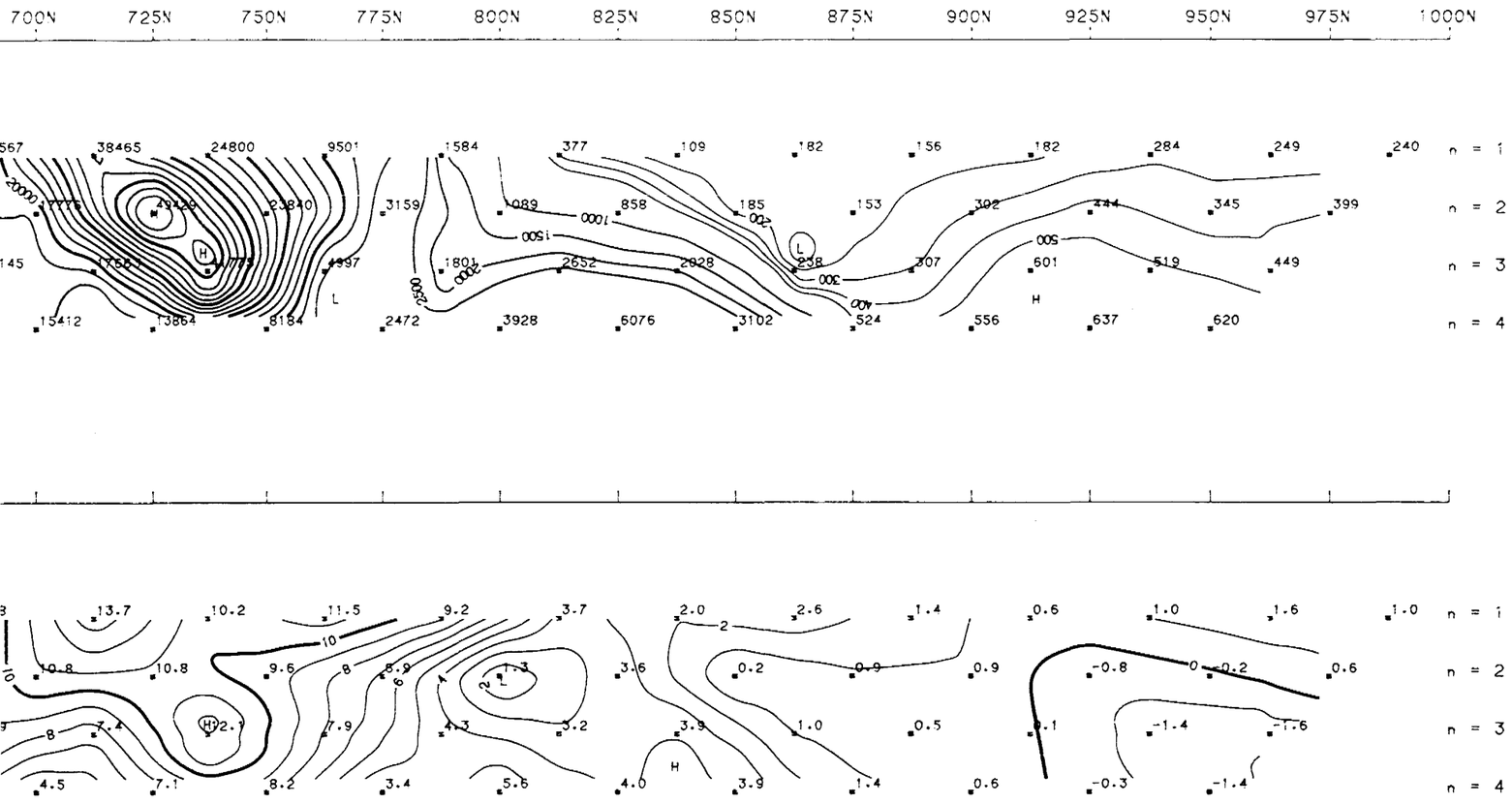
APPARENT RESISTIVITY (ohm-m)



APPARENT CHARGEABILITY (msec)



200E



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

——— 10 msec contour
——— 1 msec contour

RESISTIVITY :

Contour	Range	Interval
———	Above 2500	10000 ohm-m
———		2500 ohm-m
———	2500 - 500	500 ohm-m
———	Below 500	100 ohm-m

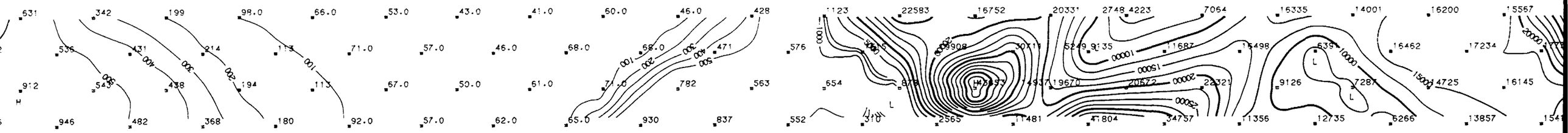
DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

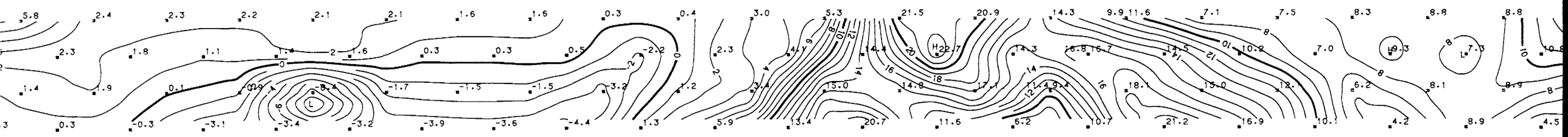
ARDOCH SYNDICATE

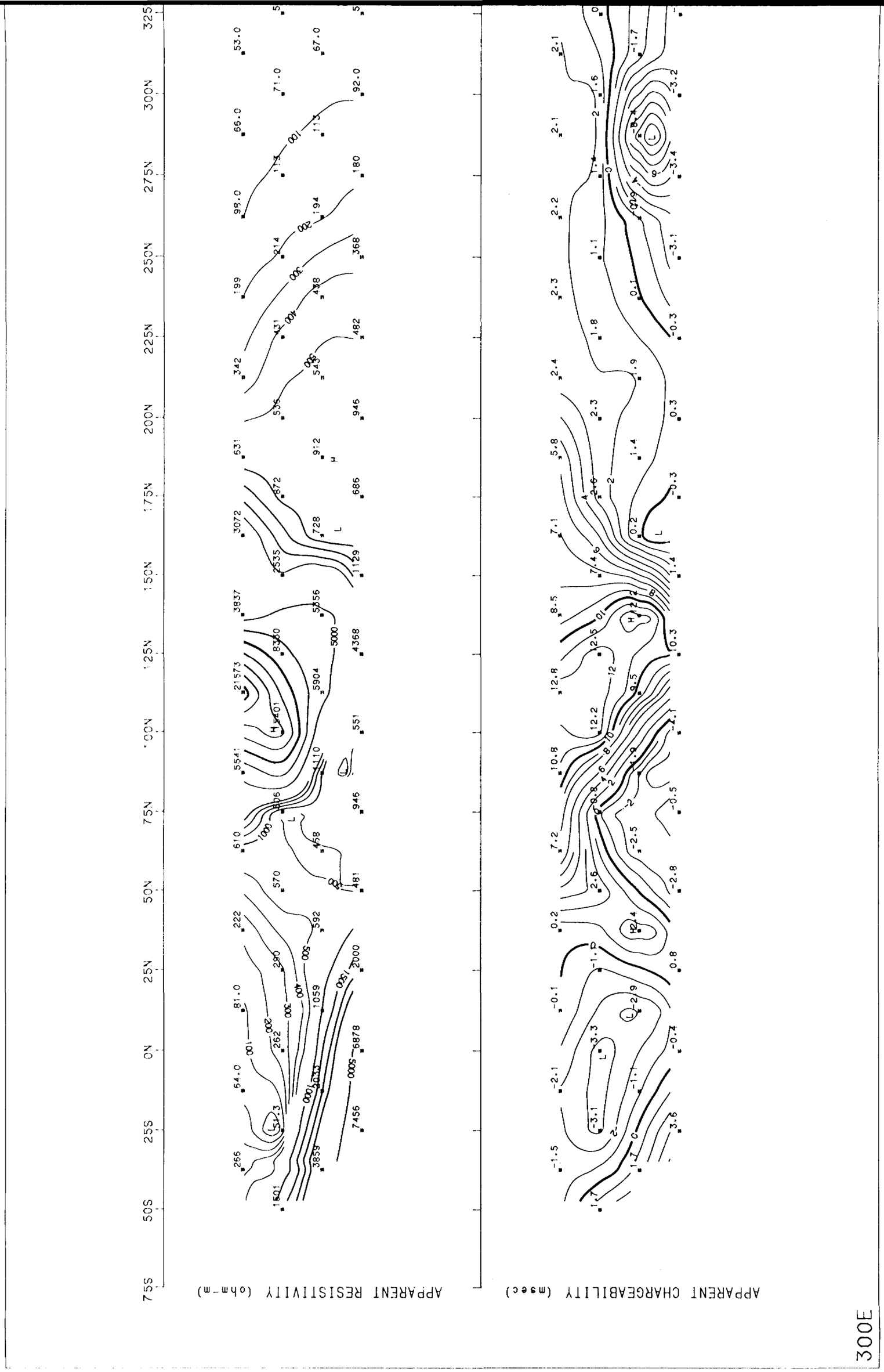
KEYHOE - RIDDELL PROPERTY
IP PSEUDO SECTION
LINE : 300E

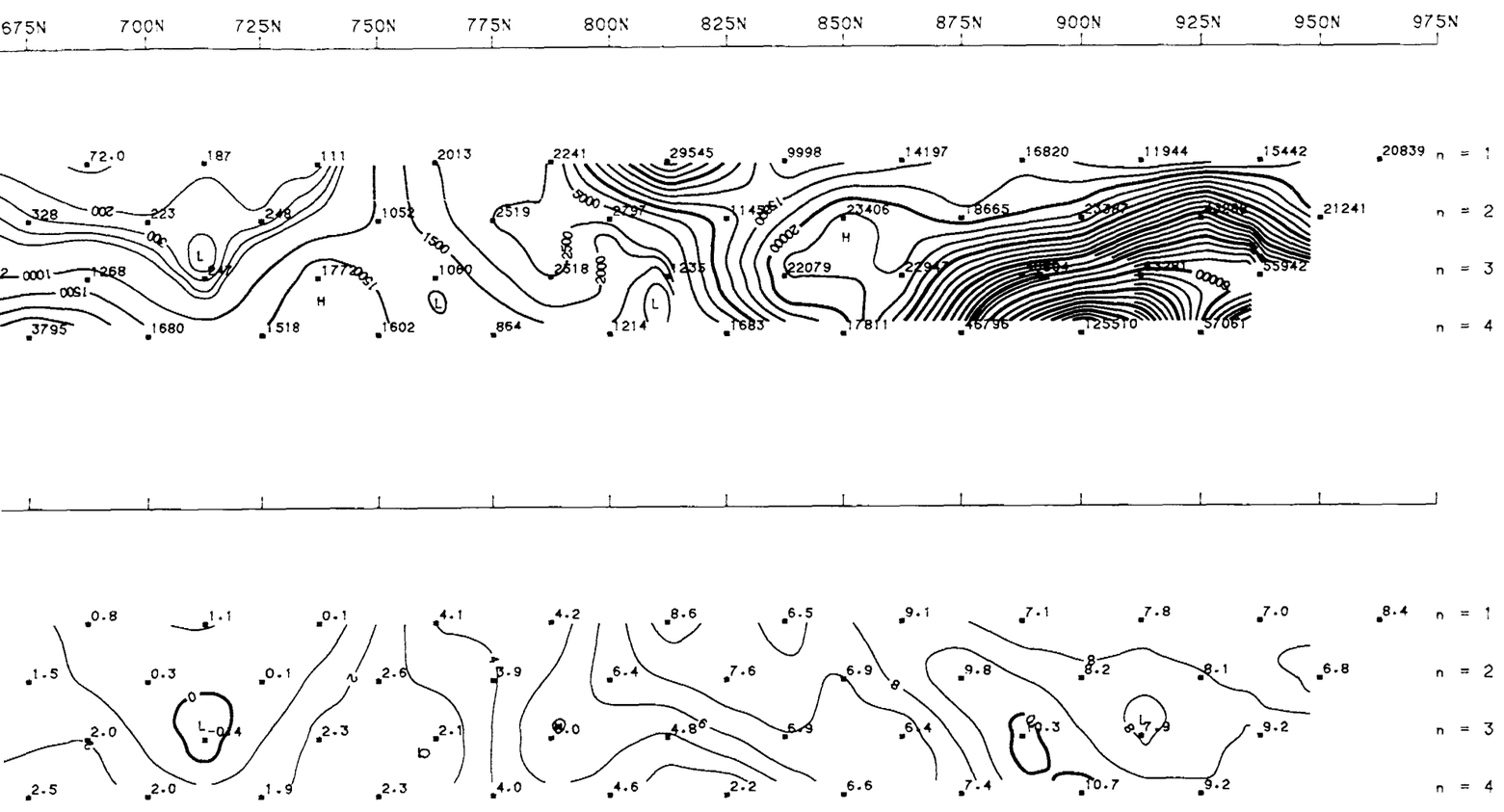
Dwg No. E.I.C.-1885 | Date : 20-Oct-87

200N 225N 250N 275N 300N 325N 350N 375N 400N 425N 450N 475N 500N 525N 550N 575N 600N 625N 650N 675N 700N






APPARENT RESISTIVITY (ohm-m)
APPARENT CHARGEABILITY (msec)
300E
75S
50S
25S
0N
25N
50N
75N
100N
125N
150N
175N
200N
225N
250N
275N
300N
325



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

10 msec contour
1 msec contour

RESISTIVITY :

Contour	Range	Interval
	Above 2500	10000 ohm-m
		2500 ohm-m
	2500 - 500	500 ohm-m
	Below 500	100 ohm-m

DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

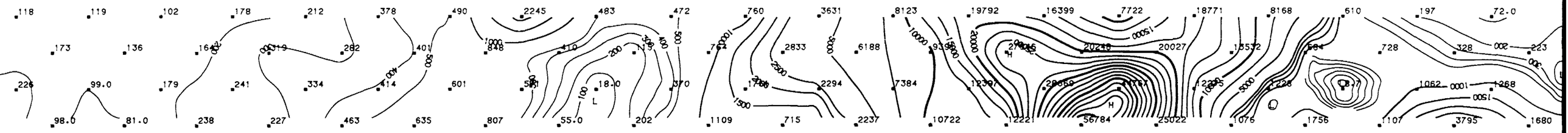
ARDOCH SYNDICATE

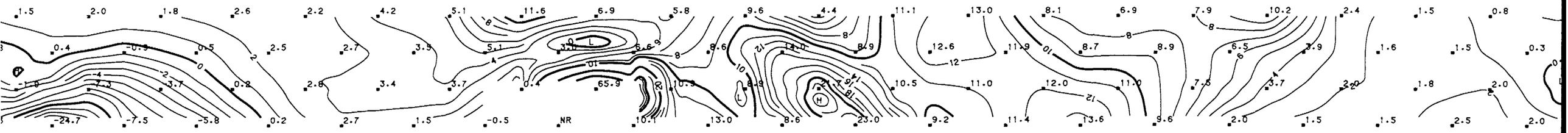
KEYHOE - RIDDELL PROPERTY
IP PSEUDO SECTION
LINE : 400E

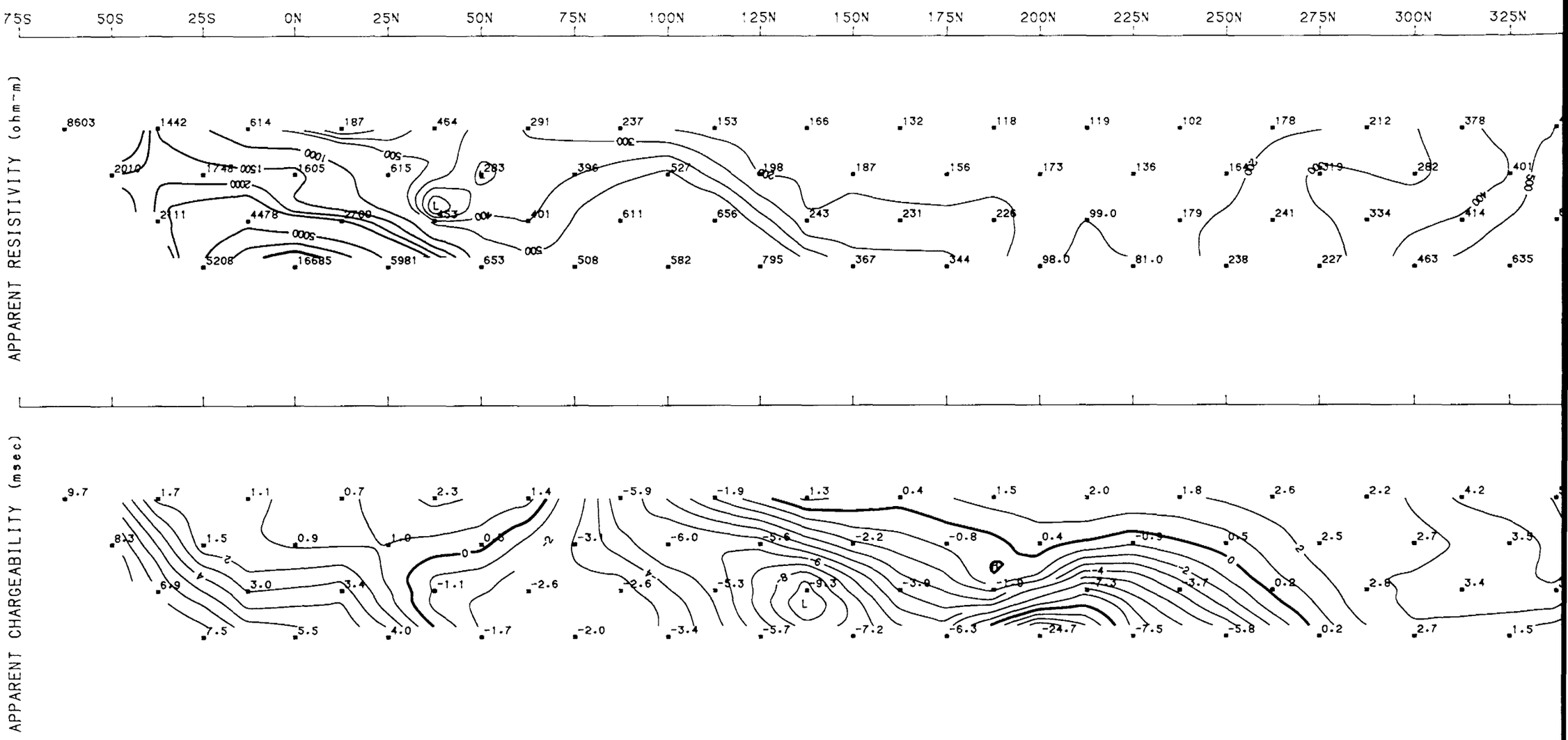
Dwg No. E.I.C.-1886

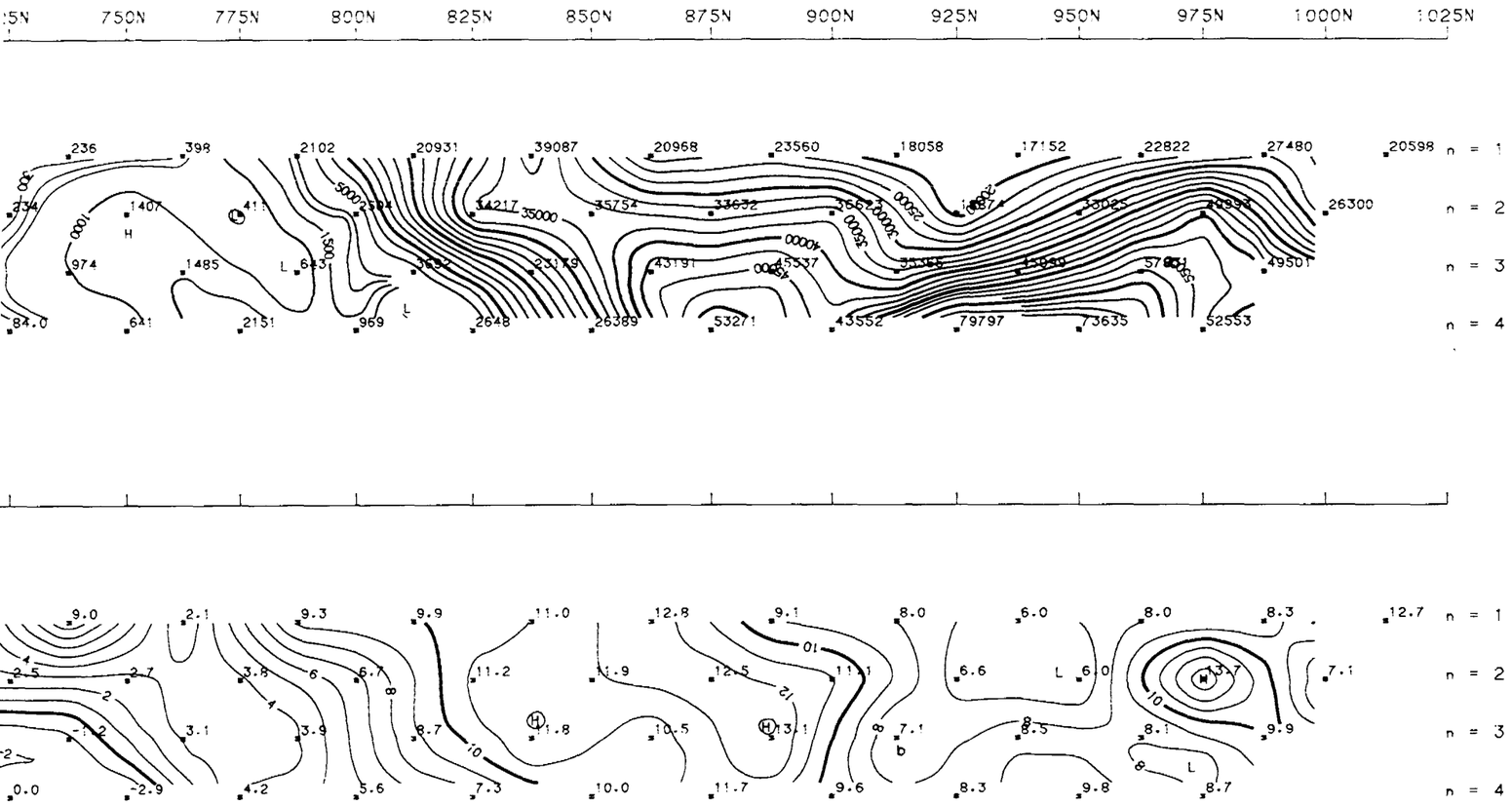
Date : 20-Oct-87

200N 225N 250N 275N 300N 325N 350N 375N 400N 425N 450N 475N 500N 525N 550N 575N 600N 625N 650N 675N 700N






75S
50S
25S
0N
25N
50N
75N
100N
125N
150N
175N
200N
225N
250N
275N
300N
325N
APPARENT RESISTIVITY (ohm-m)
8603
1442
614
187
464
291
237
153
166
132
118
119
102
178
212
378
2010
1748
1605
615
283
396
527
198
187
156
173
136
319
282
401
2111
4478
2708
453
401
611
656
243
231
226
99.0
179
241
334
414
5208
16685
5981
653
508
582
795
367
344
98.0
81.0
238
227
463
635
APPARENT CHARGEABILITY (msec)
9.7
1.7
1.1
0.7
2.3
1.4
-5.9
-1.9
1.3
0.4
1.5
2.0
1.8
2.6
2.2
4.2
8.3
1.5
0.9
1.0
0.6
-3.1
-6.0
-5.6
-2.2
-0.8
0.4
-0.9
0.5
2.5
2.7
3.5
6.9
3.0
3.4
-1.1
-2.6
-2.6
-5.3
-3.0
-1.8
-2.3
-3.7
0.2
2.6
3.4
7.5
5.5
4.0
-1.7
-2.0
-3.4
-5.7
-7.2
-6.3
-24.7
-7.5
-5.8
0.2
2.7
1.5
400E



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

——— 10 msec contour
——— 1 msec contour

RESISTIVITY :

Contour	Range	Interval
———	Above 2500	10000 ohm-m
———		2500 ohm-m
———	2500 - 500	500 ohm-m
———	Below 500	100 ohm-m

DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

ARDOCH SYNDICATE

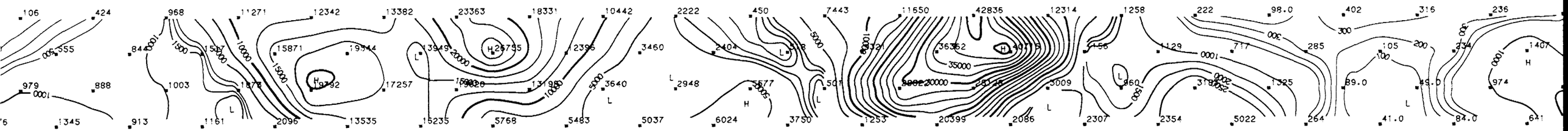
KEYHOE - RIDDELL PROPERTY
IP PSEUDO SECTION
LINE : 500E

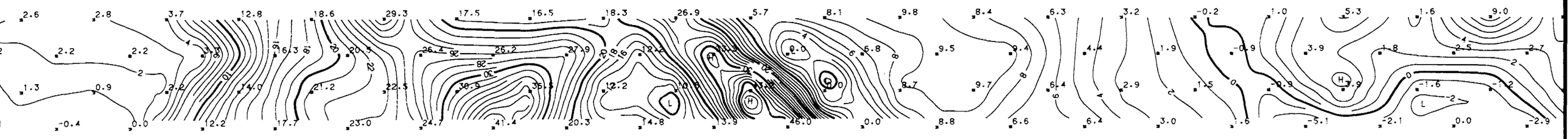
D. 10510

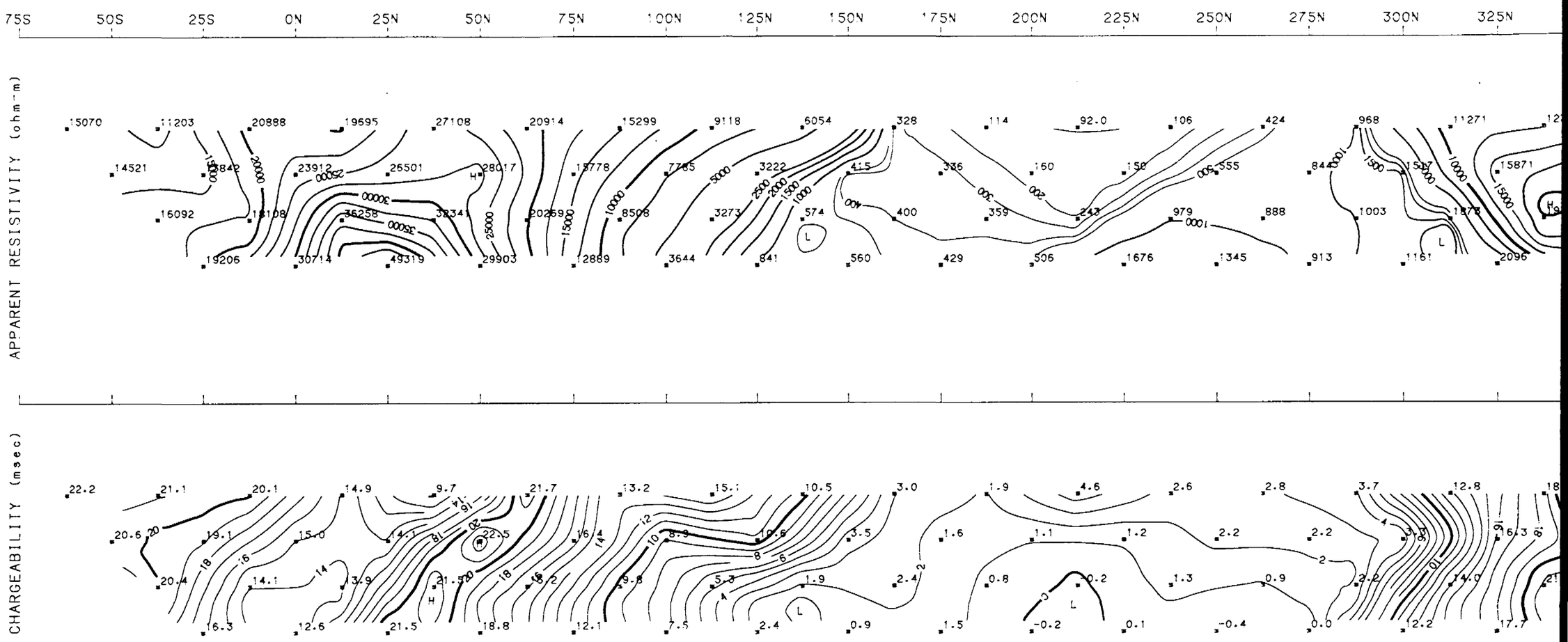
Dwg No. E.I.C.-1887

Date : 20-Oct-87

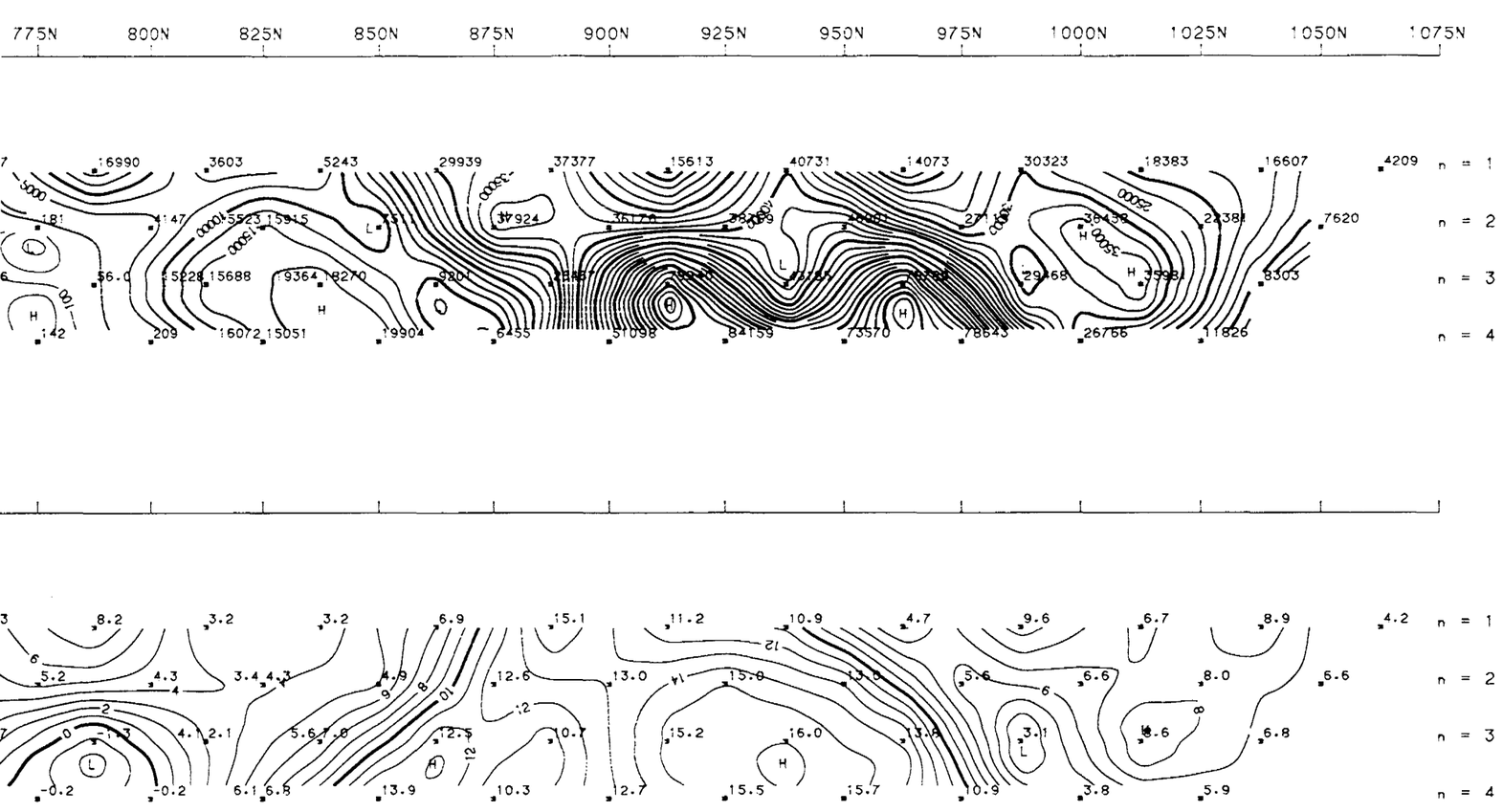
250N 275N 300N 325N 350N 375N 400N 425N 450N 475N 500N 525N 550N 575N 600N 625N 650N 675N 700N 725N 750N






75S
50S
25S
0N
25N
50N
75N
100N
125N
150N
175N
200N
225N
250N
275N
300N
325N
APPARENT RESISTIVITY (ohm-m)
APPARENT CHARGEABILITY (msec)

500E



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

——— 10 msec contour
——— 1 msec contour

RESISTIVITY :

Contour	Range	Interval
———	Above 2500	10000 ohm-m
———		2500 ohm-m
———	2500 - 500	500 ohm-m
———	Below 500	100 ohm-m

DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

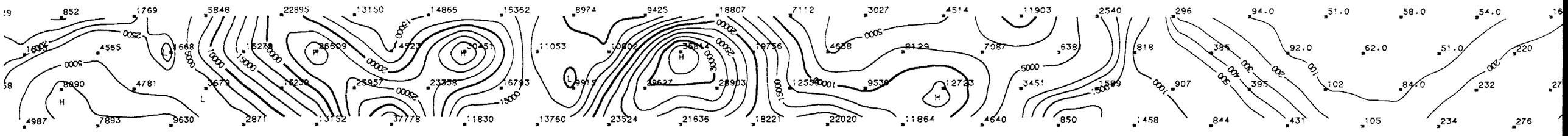
ARDOCH SYNDICATE

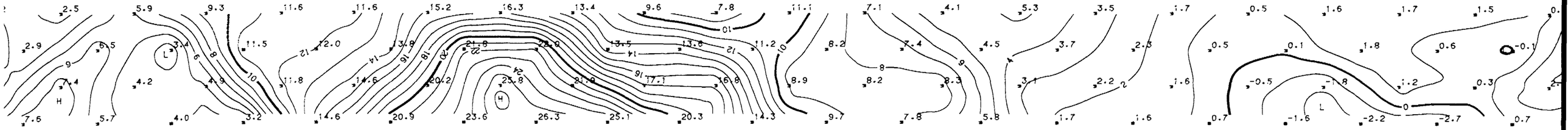
KEYHOE - RIDDELL PROPERTY
IP PSEUDO SECTION
LINE : 600E

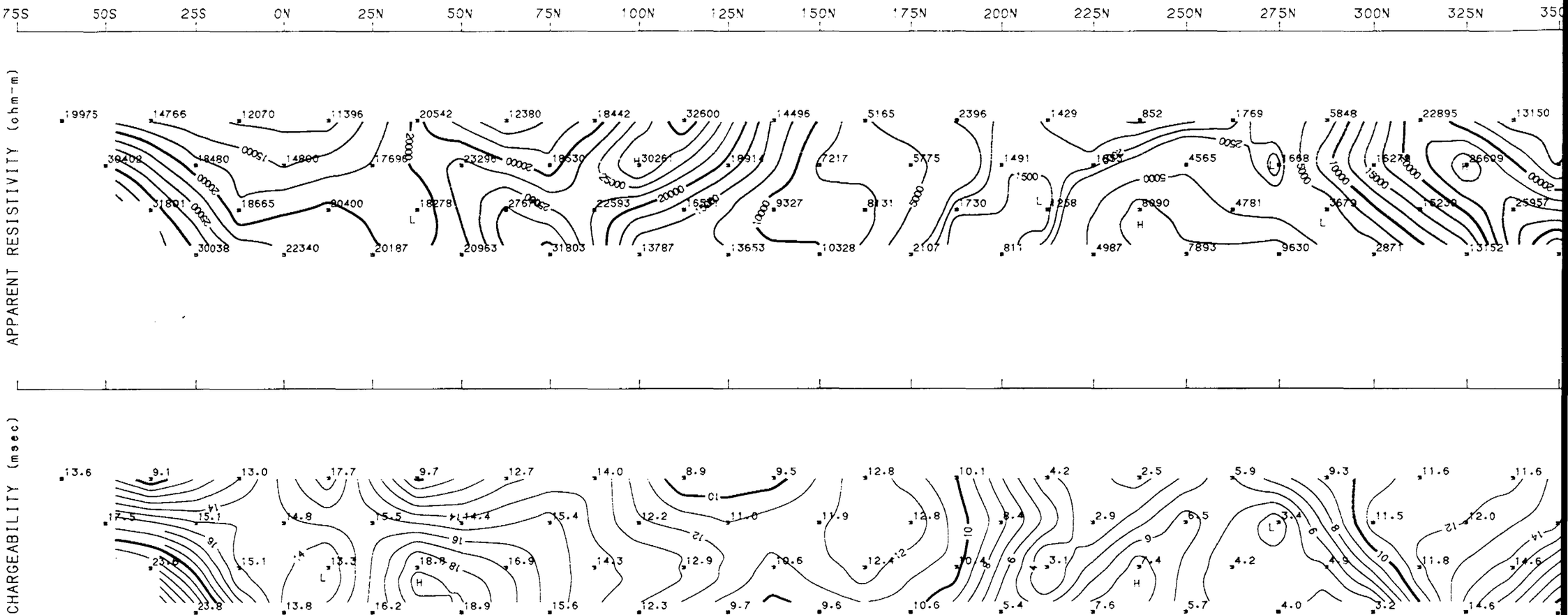
2/1050

Dwg No. EIC-1888 Date : 20-Oct-87

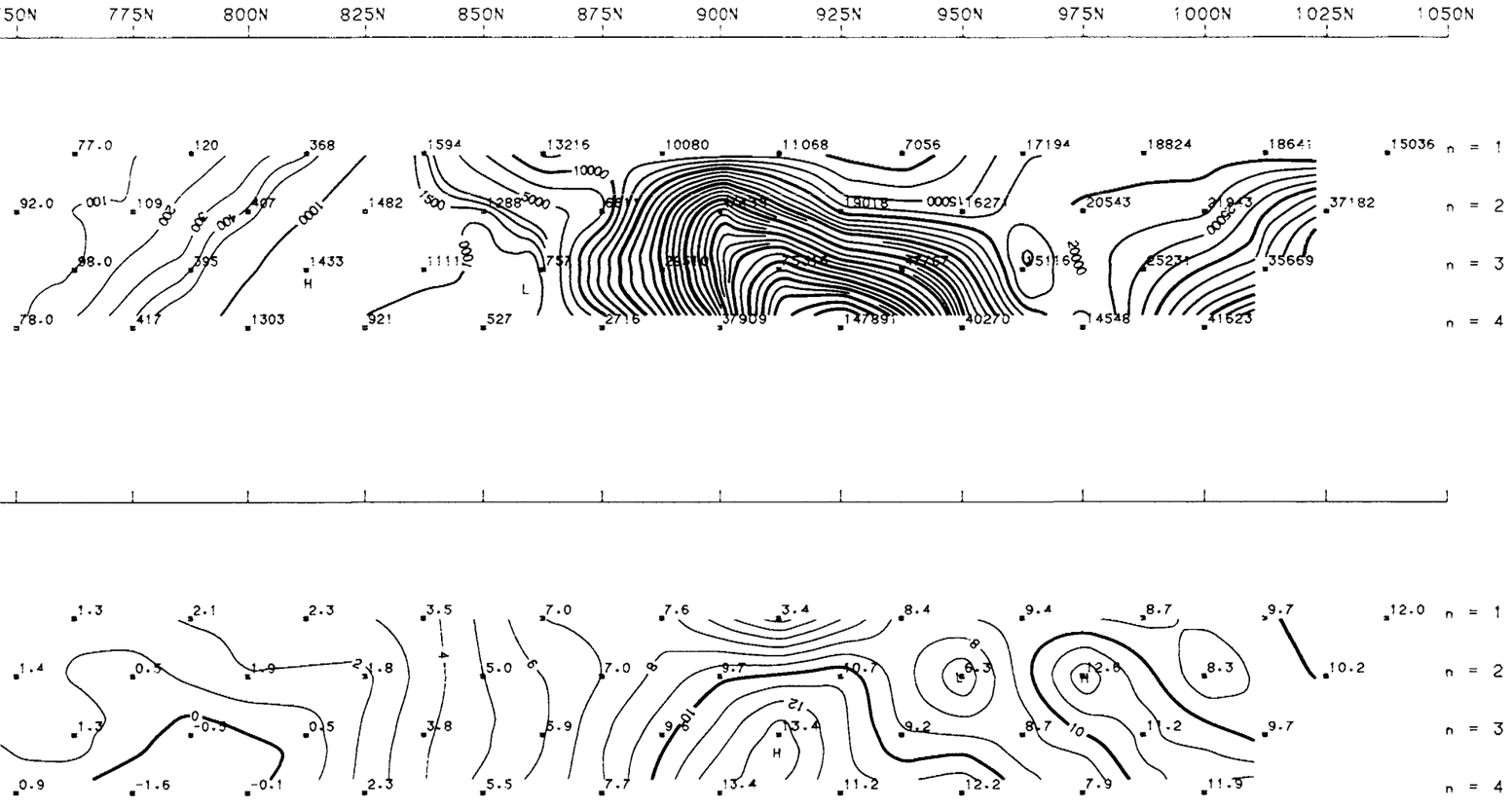
225N 250N 275N 300N 325N 350N 375N 400N 425N 450N 475N 500N 525N 550N 575N 600N 625N 650N 675N 700N 725N






75S
50S
25S
0N
25N
50N
75N
100N
125N
150N
175N
200N
225N
250N
275N
300N
325N
APPARENT RESISTIVITY (ohm-m)
APPARENT CHARGEABILITY (msec)

600E



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

——— 10 msec contour
——— 1 msec contour

RESISTIVITY :

Contour	Range	Interval
———	Above 2500	10000 ohm-m
———		2500 ohm-m
———	2500 - 500	500 ohm-m
———	Below 500	100 ohm-m

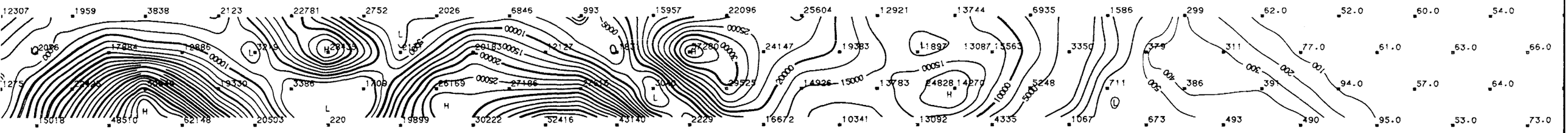
DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

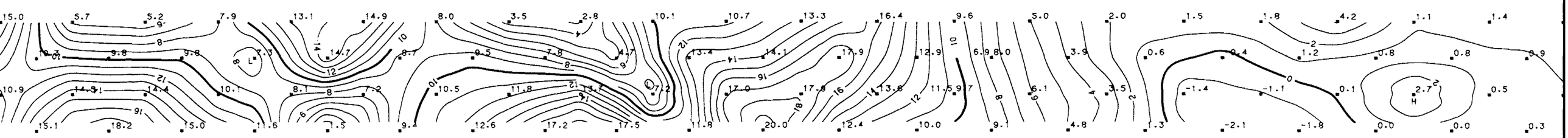
ARDOCH SYNDICATE

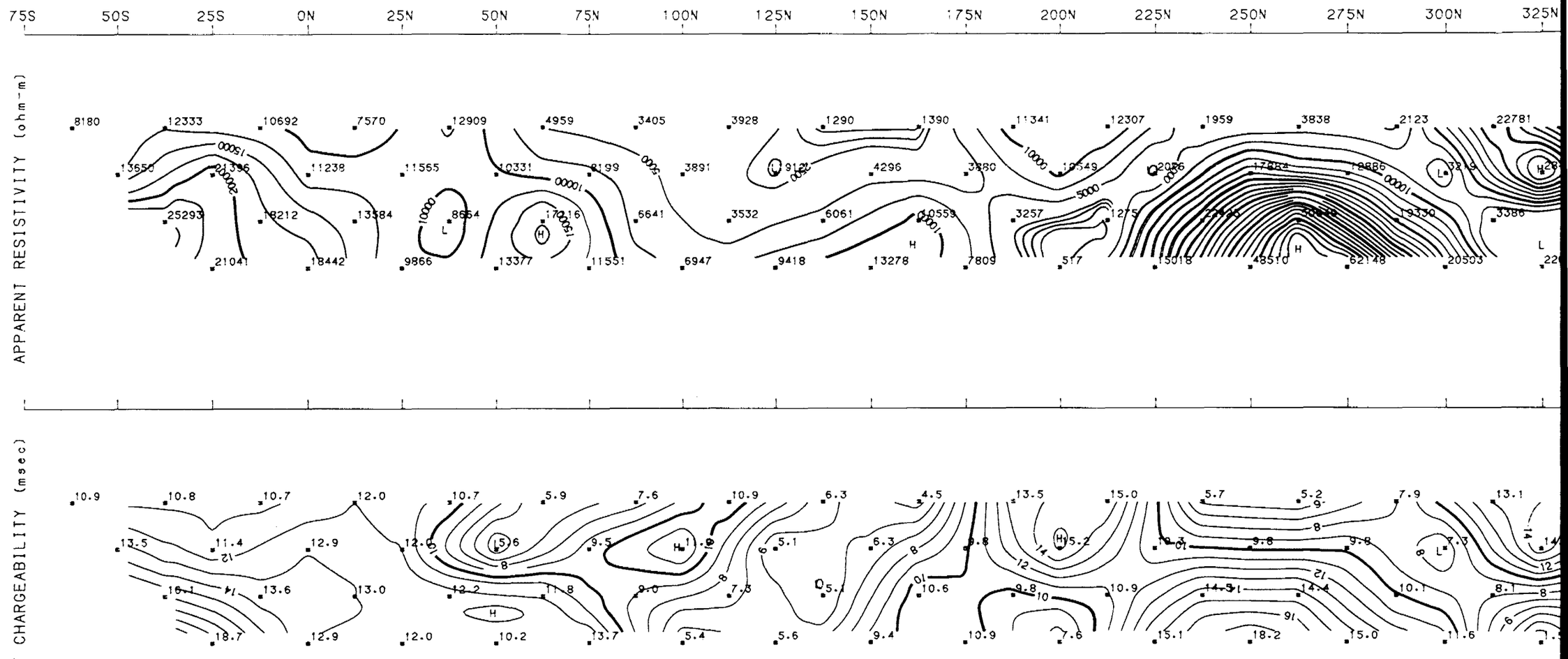
KEYHOE - RIDDELL PROPERTY
IP PSEUDO SECTION
LINE : 700E

Dwg No. E.I.C.-1889 | Date : 20-Oct-87

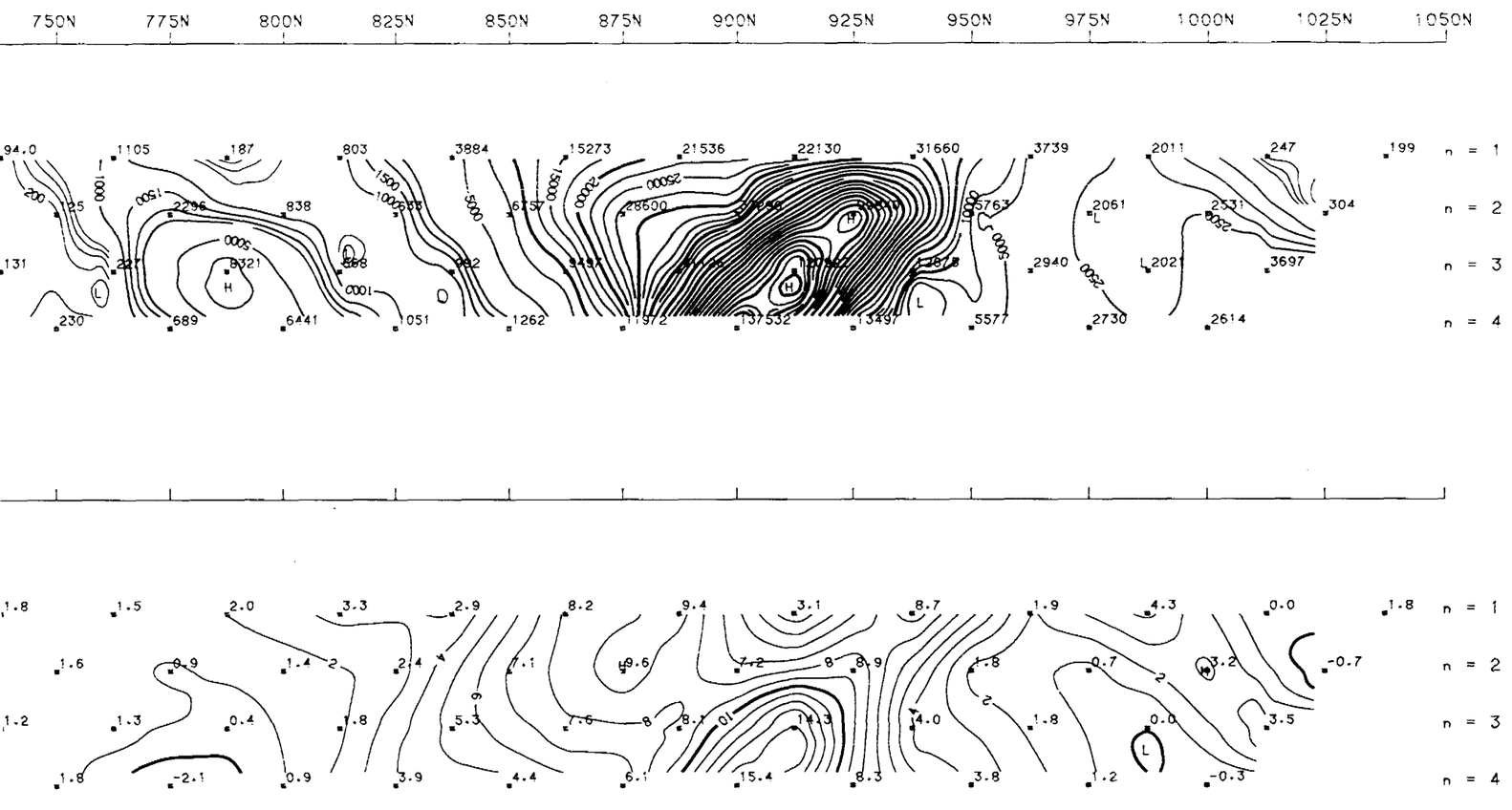
225N 250N 275N 300N 325N 350N 375N 400N 425N 450N 475N 500N 525N 550N 575N 600N 625N 650N 675N 700N 725N






75S
50S
25S
0N
25N
50N
75N
100N
125N
150N
175N
200N
225N
250N
275N
300N
325N
APPARENT RESISTIVITY (ohm-m)
APPARENT CHARGEABILITY (msec)

700E



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

——— 10 msec contour
——— 1 msec contour

RESISTIVITY :

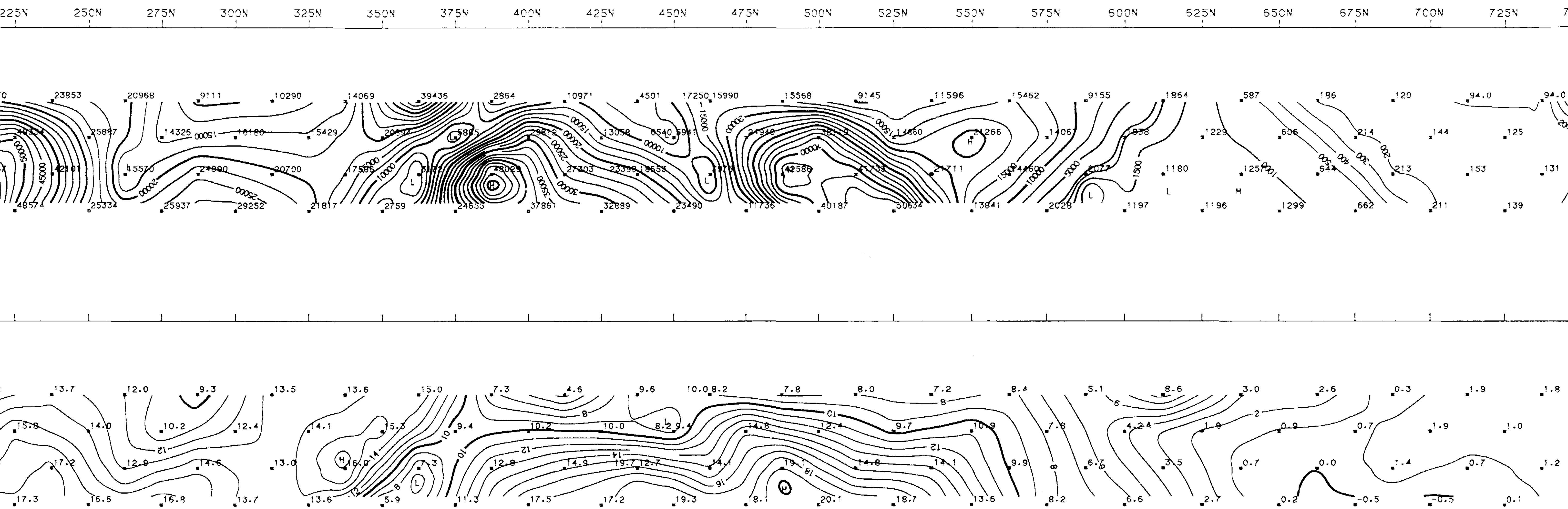
Contour	Range	Interval
———	Above 2500	10000 ohm-m
———		2500 ohm-m
———	2500 - 500	500 ohm-m
———	Below 500	100 ohm-m

DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

ARDOCH SYNDICATE

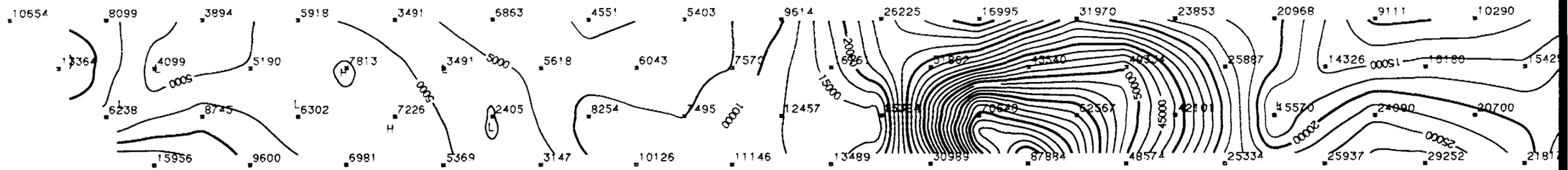
KEYHOE - RIDDELL PROPERTY
IP PSEUDO SECTION
LINE : 800E

Dwg No. E.I.C.-1890 | Date : 20-Oct-87

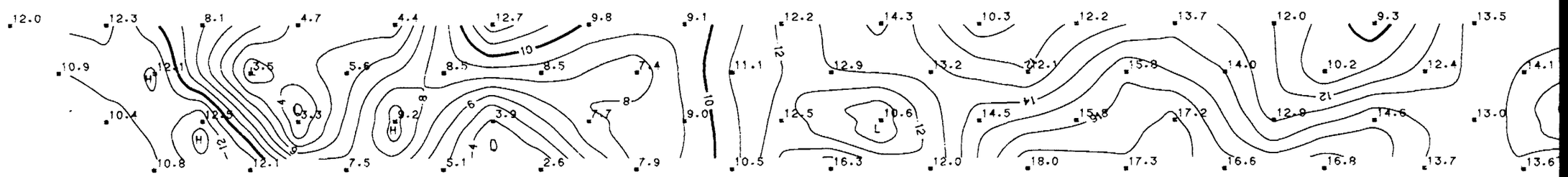

225N
250N
275N
300N
325N
350N
375N
400N
425N
450N
475N
500N
525N
550N
575N
600N
625N
650N
675N
700N
725N

75S 50S 25S 0N 25N 50N 75N 100N 125N 150N 175N 200N 225N 250N 275N 300N 325N

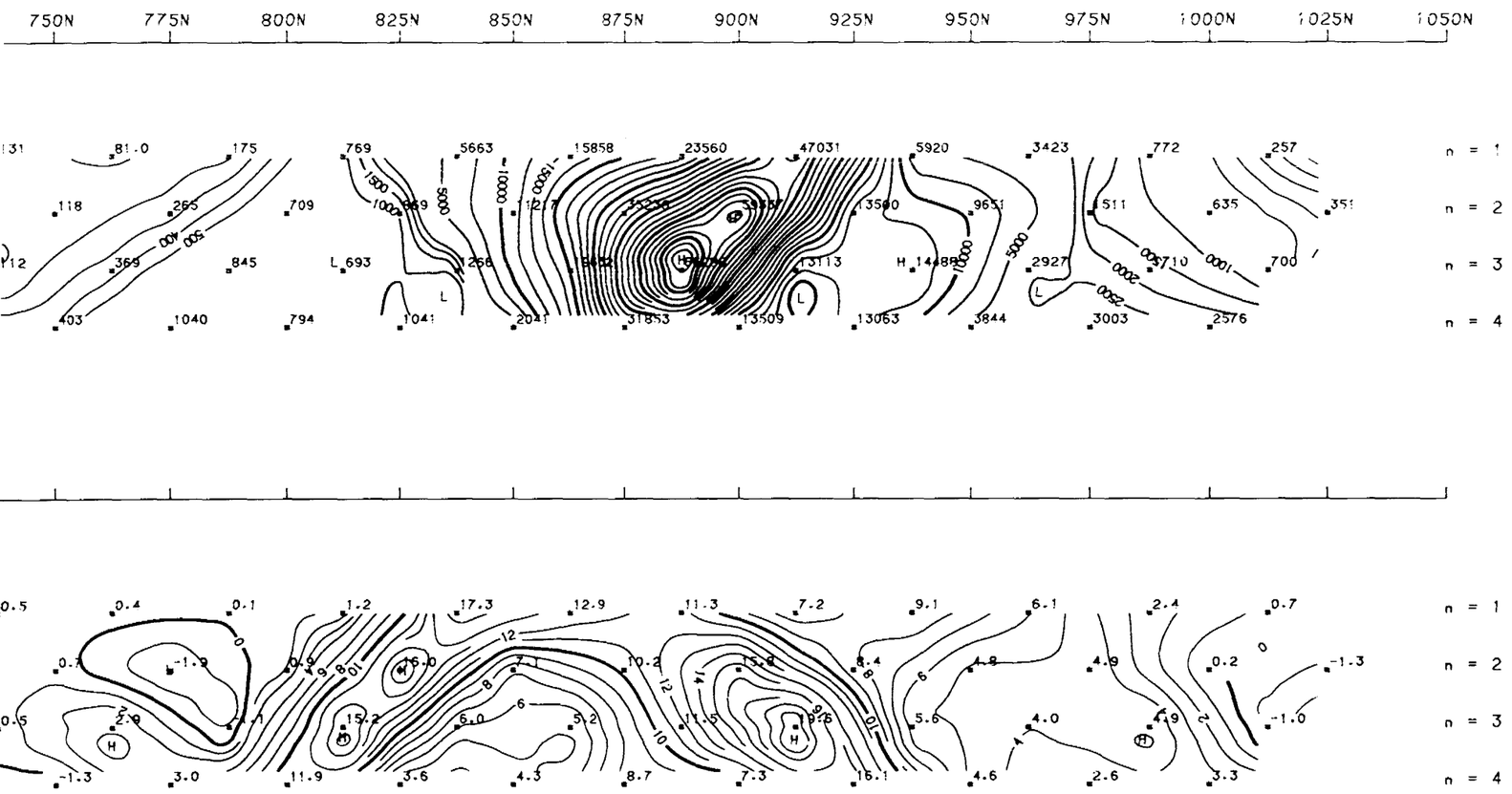
APPARENT RESISTIVITY (ohm-m)



APPARENT CHARGEABILITY (msec)



800E



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

——— 10 msec contour
——— 1 msec contour

RESISTIVITY :

Contour	Range	Interval
———	Above 2500	10000 ohm-m
———		2500 ohm-m
———	2500 - 500	500 ohm-m
———	Below 500	100 ohm-m

DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

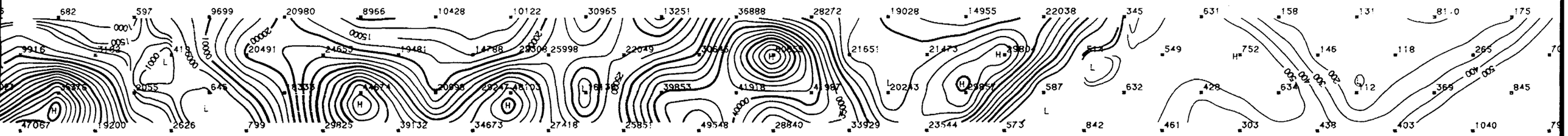
ARDOCH SYNDICATE

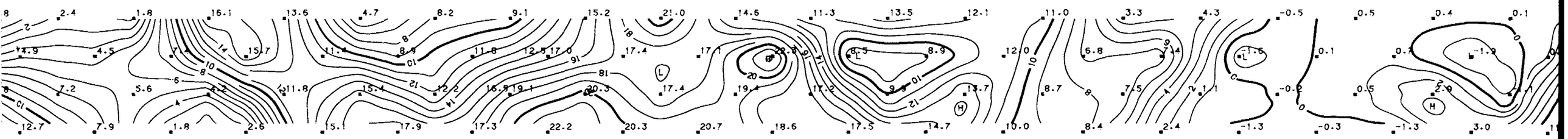
KEYHOE - RIDDELL PROPERTY
IP PSEUDO SECTION
LINE : 900E

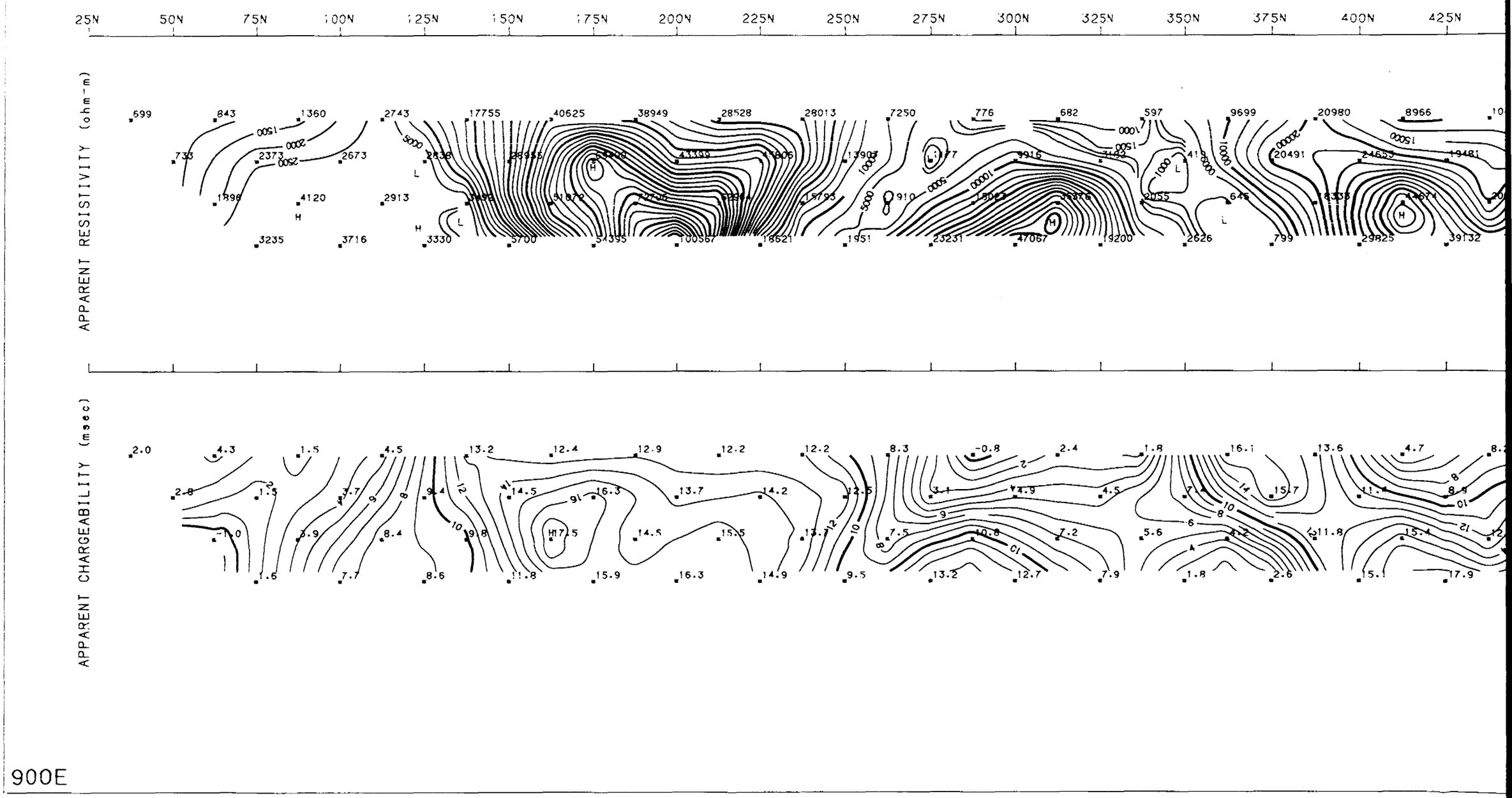
2,105/12

Dwg No. E.I.C.-1891 | Date : 20-Oct-87

300N 325N 350N 375N 400N 425N 450N 475N 500N 525N 550N 575N 600N 625N 650N 675N 700N 725N 750N 775N 800N



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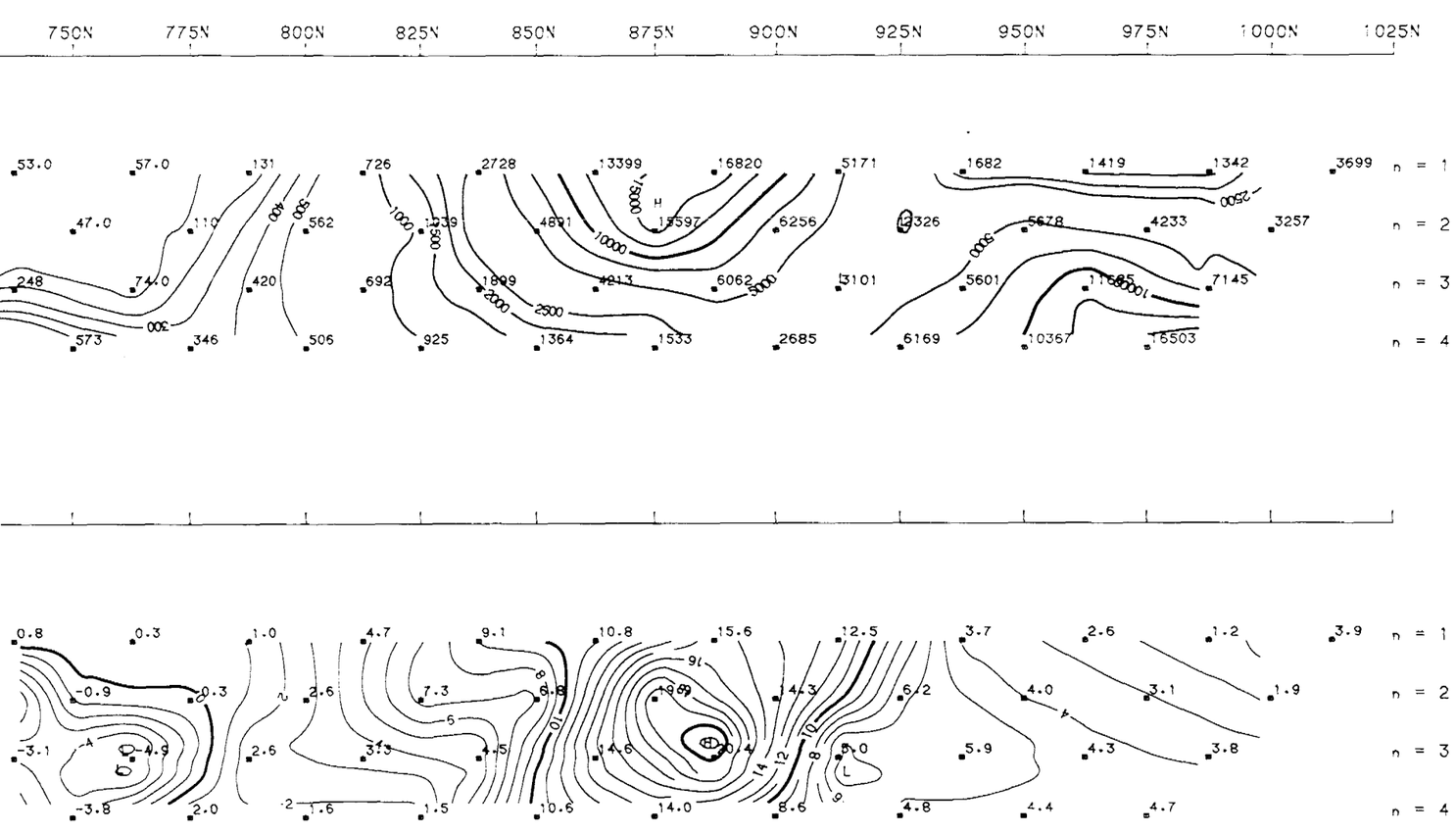
75N
100N
125N
150N
175N
200N
225N
250N
275N
300N
325N
350N
375N
400N
425N
APPARENT RESISTIVITY (ohm-m)
APPARENT CHARGEABILITY (msec)
900E



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

——— 10 msec contour
——— 1 msec contour

RESISTIVITY :

Contour	Range	Interval
———	Above 2500	10000 ohm-m
———		2500 ohm-m
———	2500 - 500	500 ohm-m
———	Below 500	100 ohm-m

DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

ARDOCH SYNDICATE

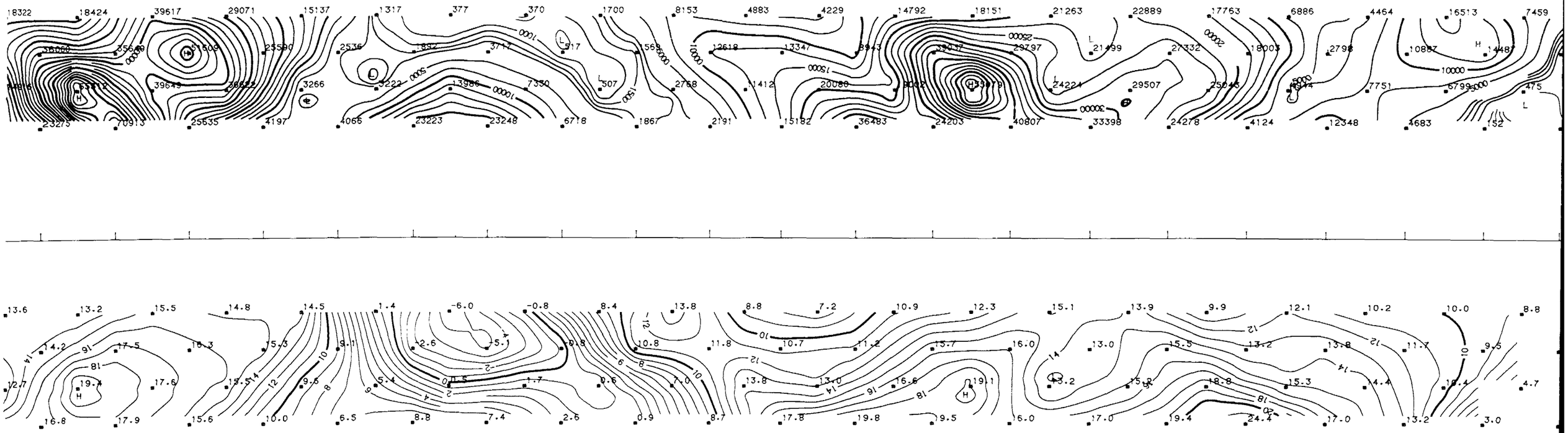
KEYHOE - RIDDELL PROPERTY

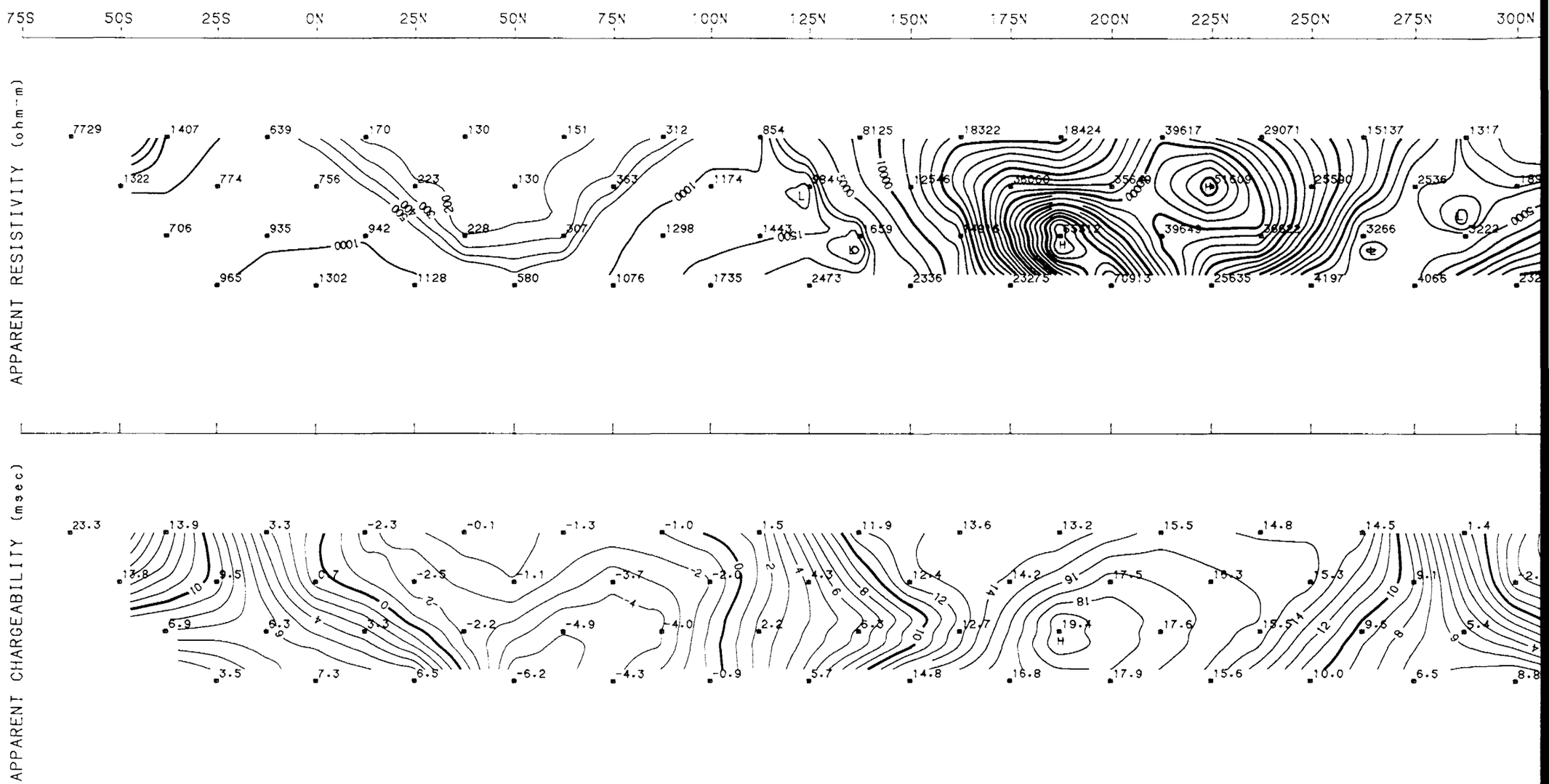
IP PSEUDO SECTION

LINE : 1000E

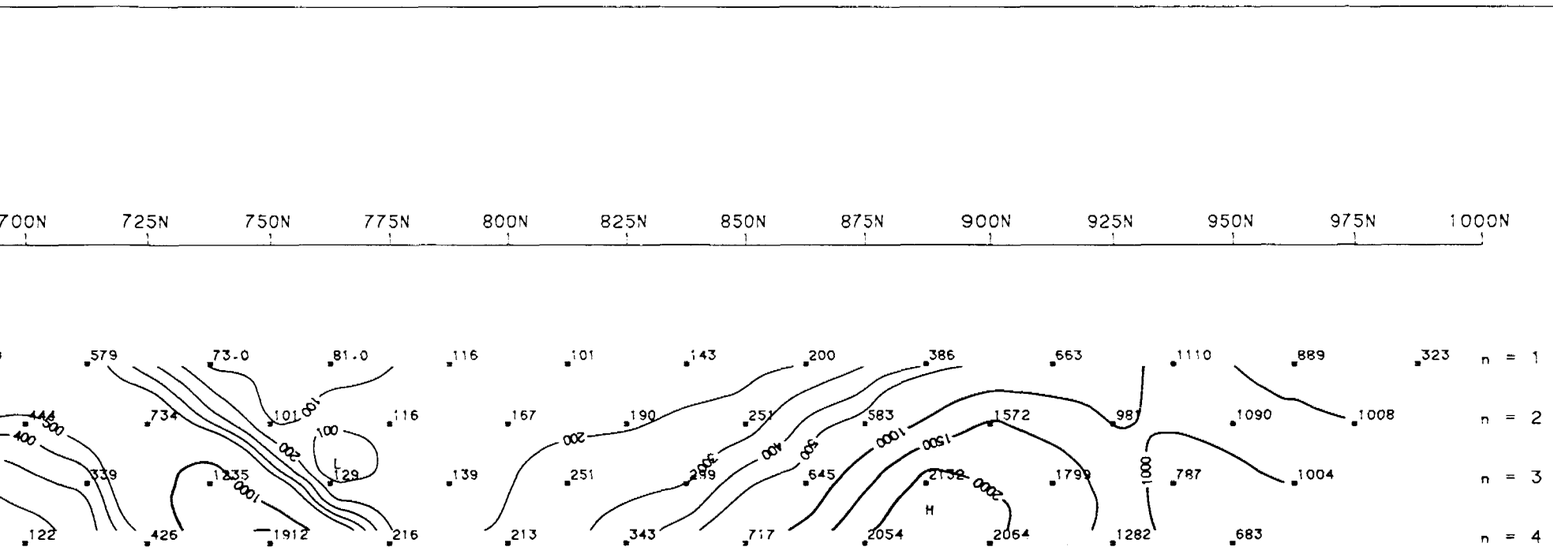
Dwg No. E.M.C.-1892 Date : 07-Jun-87

175N 200N 225N 250N 275N 300N 325N 350N 375N 400N 425N 450N 475N 500N 525N 550N 575N 600N 625N 650N 675




75S
50S
25S
0N
25N
50N
75N
100N
125N
150N
175N
200N
225N
250N
275N
300N
APPARENT RESISTIVITY (ohm-m)
APPARENT CHARGEABILITY (msec)

1000E



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

10 msec contour
1 msec contour

RESISTIVITY :

Contour	Range	Interval
	Above 2500	10000 ohm-m
		2500 ohm-m
	2500 - 500	500 ohm-m
	Below 500	100 ohm-m

DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

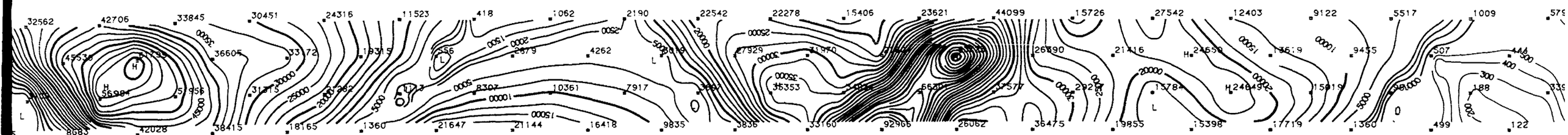
ARDOCH SYNDICATE

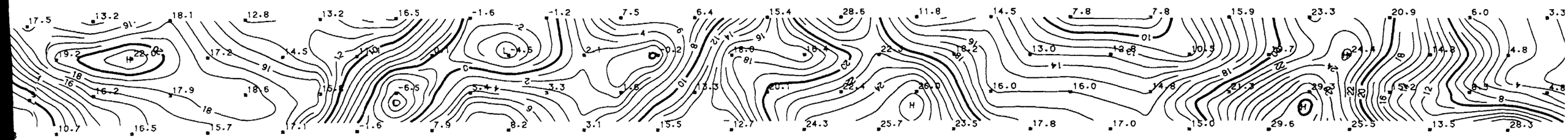
KEYHOE - RIDDELL PROPERTY
IP PSEUDO SECTION
LINE : 1100E

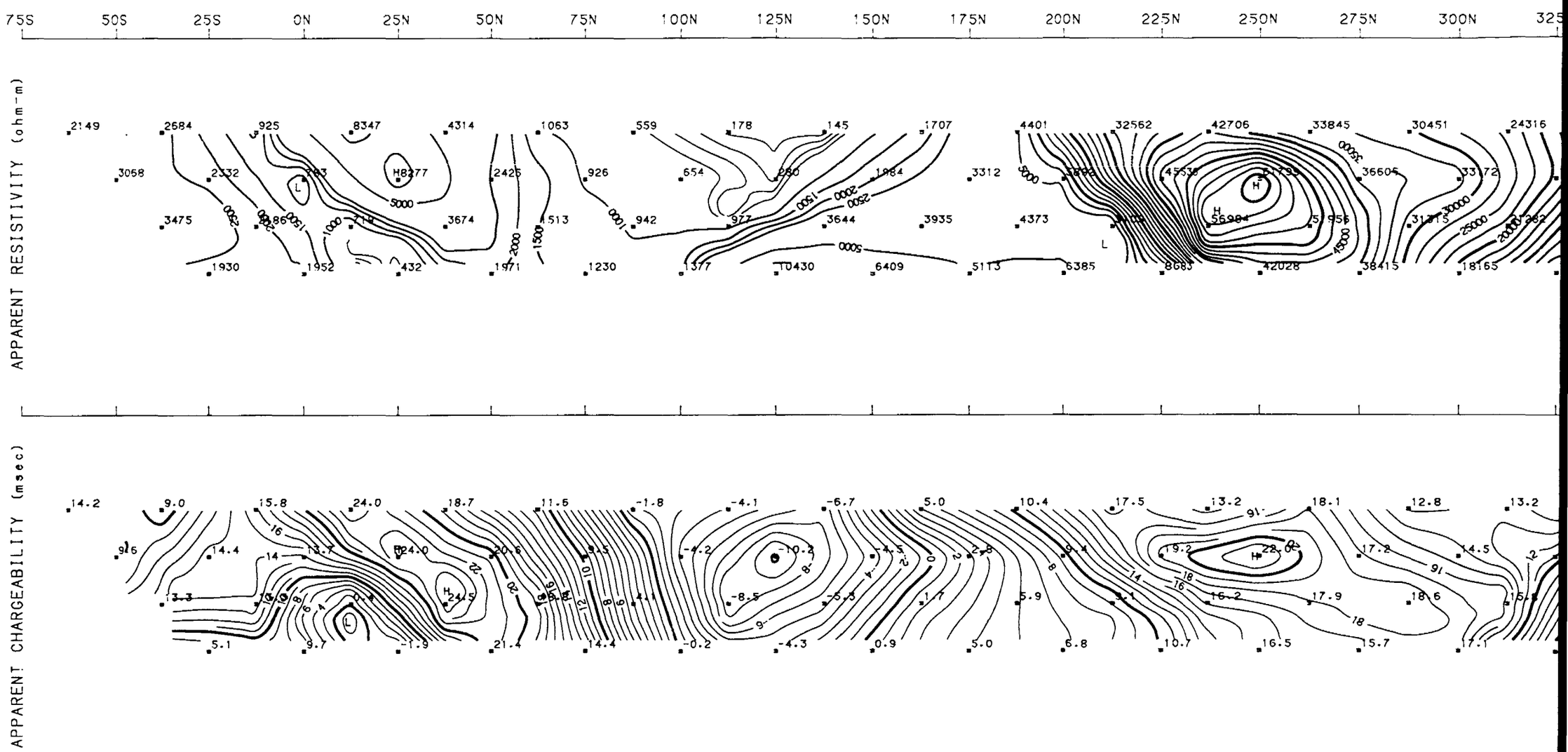
2.10512

Dwg No. E.I.C. - 1893 | Date : 20-Oct-87

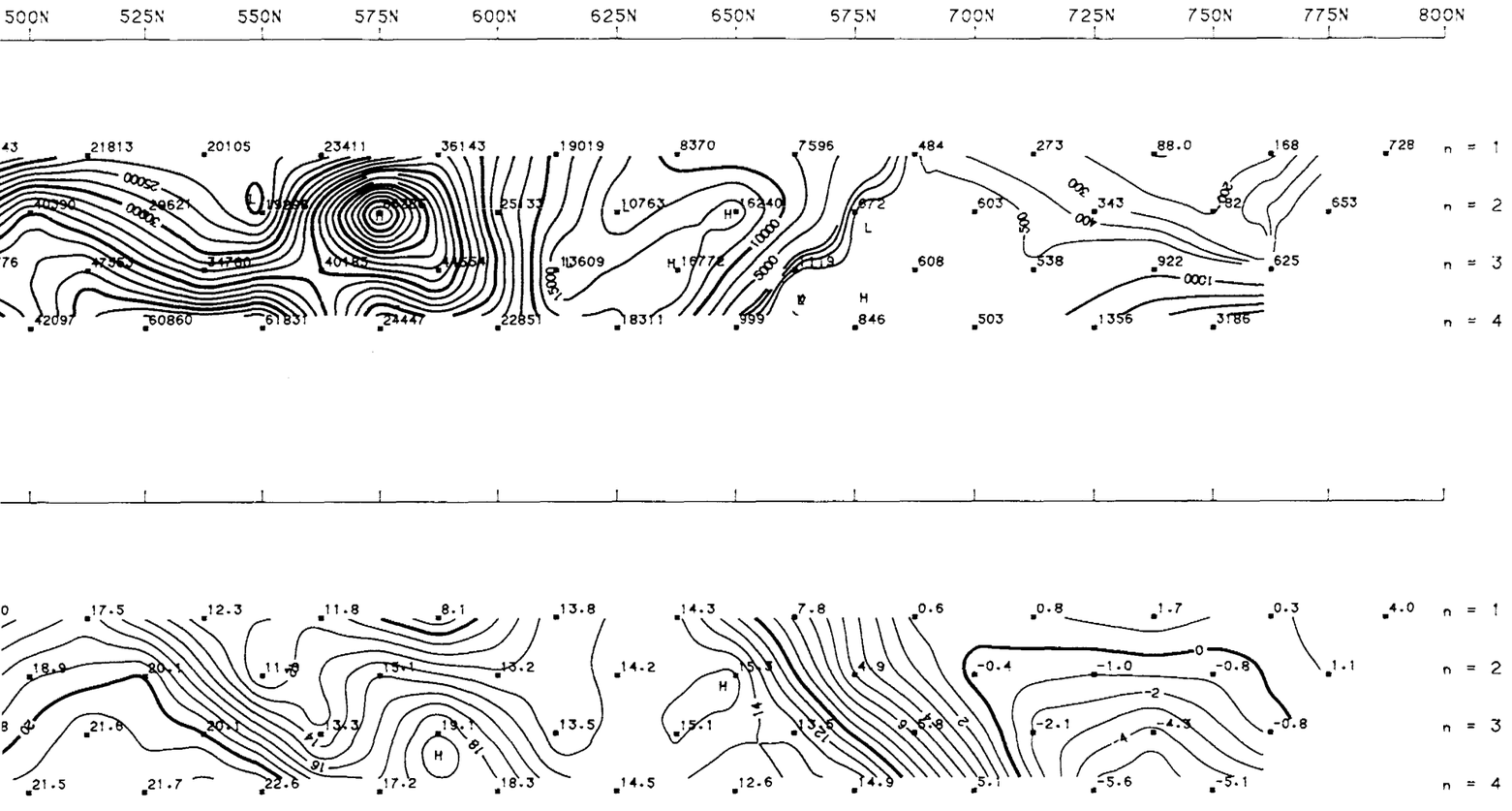
225N 250N 275N 300N 325N 350N 375N 400N 425N 450N 475N 500N 525N 550N 575N 600N 625N 650N 675N 700N






75S
50S
25S
0N
25N
50N
75N
100N
125N
150N
175N
200N
225N
250N
275N
300N
APPARENT RESISTIVITY (ohm-m)
APPARENT CHARGEABILITY (msec)

1100E



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

——— 10 msec contour
——— 1 msec contour

RESISTIVITY :

Contour	Range	Interval
———	Above 2500	10000 ohm-m
———		2500 ohm-m
———	2500 - 500	500 ohm-m
———	Below 500	100 ohm-m

DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

ARDOCH SYNDICATE

KEYHOE - RIDDELL PROPERTY

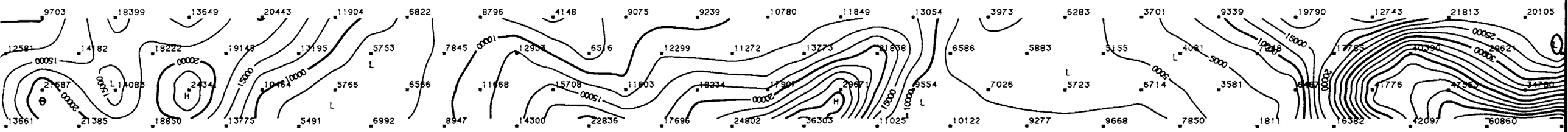
IP PSEUDO SECTION

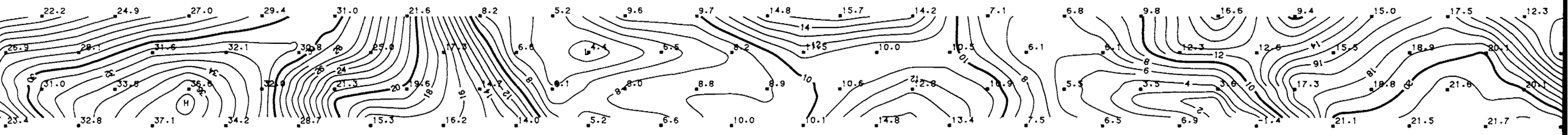
LINE : 1200E

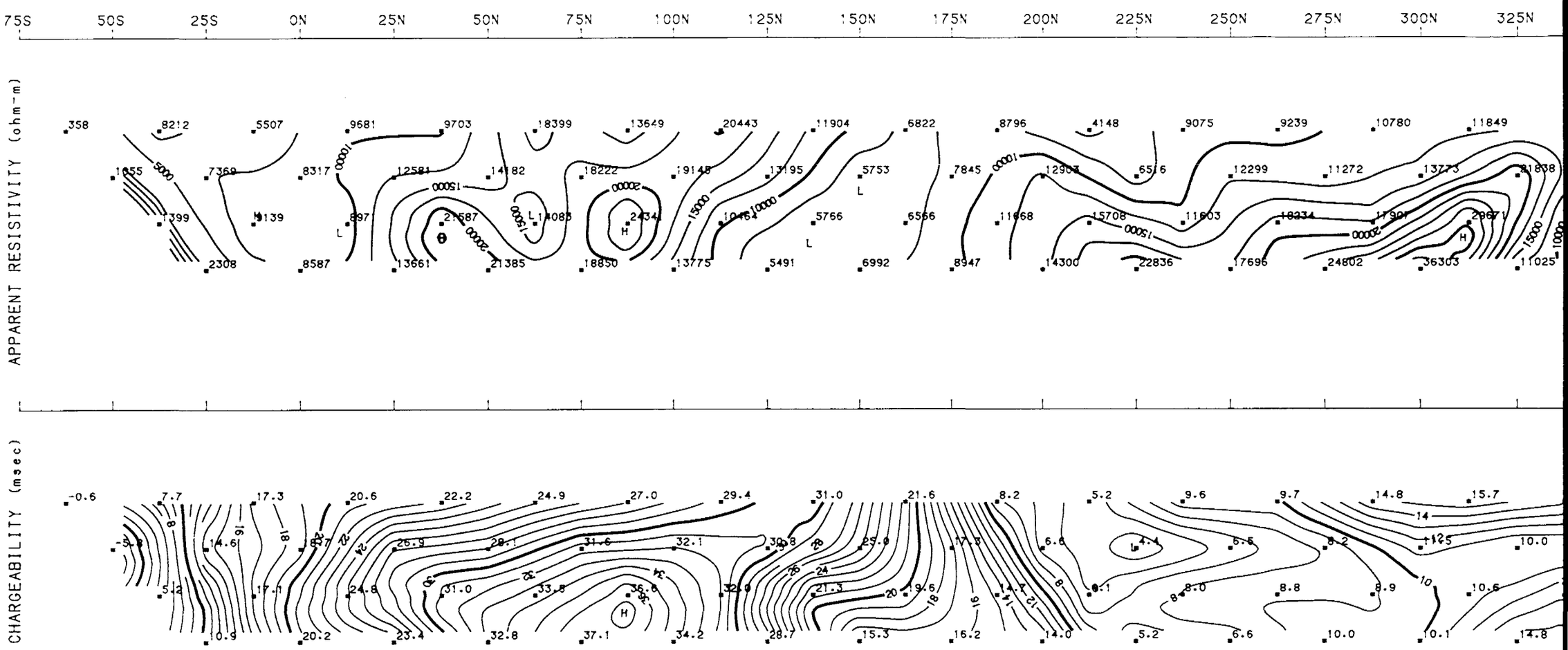
2.10512

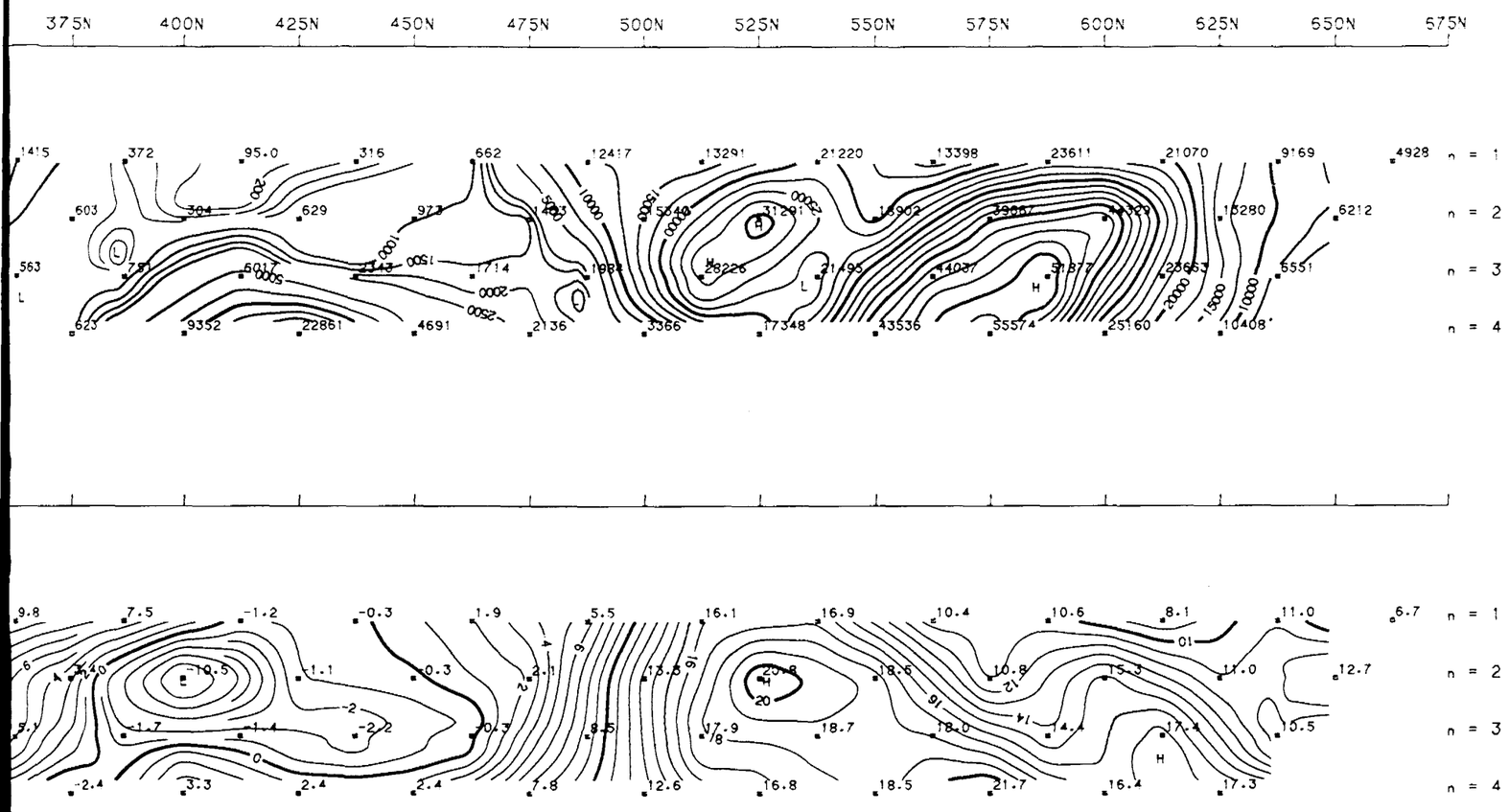
Dwg No. E.I.C.-1894 | Date : 20-Oct-87

5N 50N 75N 100N 125N 150N 175N 200N 225N 250N 275N 300N 325N 350N 375N 400N 425N 450N 475N 500N 525N 550






75S
50S
25S
0N
25N
50N
75N
100N
125N
150N
175N
200N
225N
250N
275N
300N
325N
APPARENT RESISTIVITY (ohm-m)
APPARENT CHARGEABILITY (msec)
1200E



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

10 msec contour
1 msec contour

RESISTIVITY :

Contour	Range	Interval
	Above 2500	10000 ohm-m
		2500 ohm-m
	2500 - 500	500 ohm-m
	Below 500	100 ohm-m

DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

ARDOCH SYNDICATE

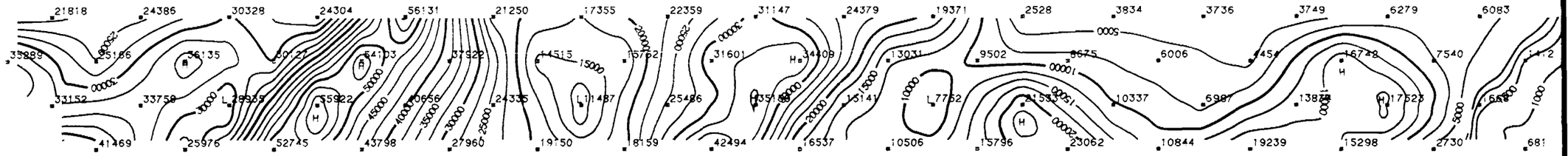
KEYHOE - RIDDELL PROPERTY
IP PSEUDO SECTION
LINE : 1300E

2,10512

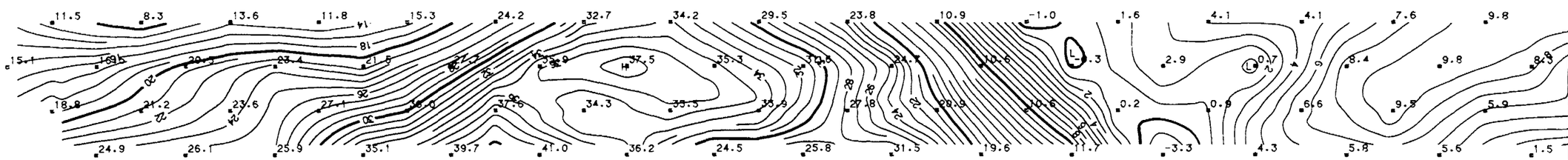
Dwg No. E.I.C.-1895 | Date : 20-Oct-87

100S 75S 50S 25S 0N 25N 50N 75N 100N 125N 150N 175N 200N 225N 250N 275N 300N 325N 350N

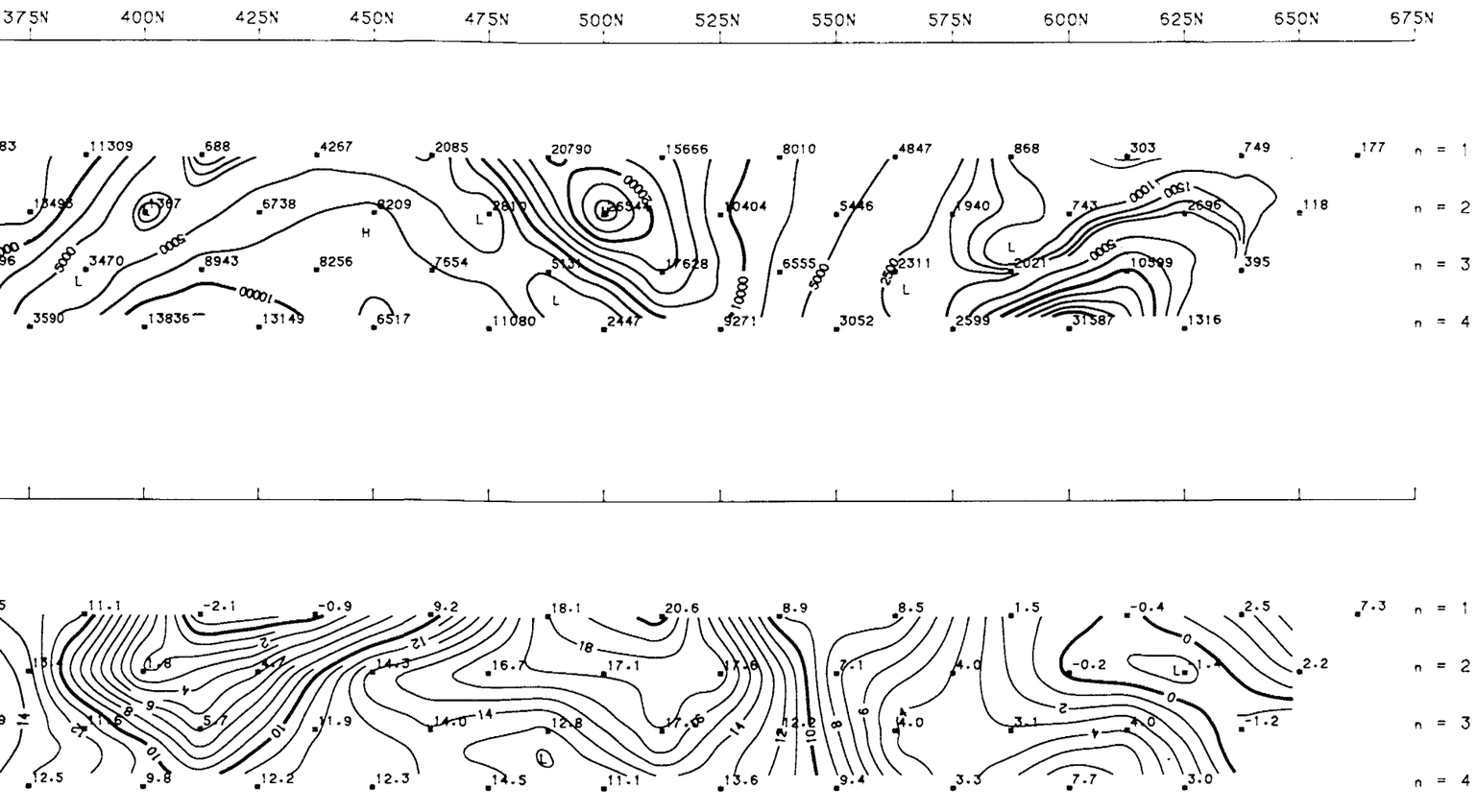
APPARENT RESISTIVITY (ohm-m)



APPARENT CHARGEABILITY (msec)



1300E



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

——— 10 msec contour
——— 1 msec contour

RESISTIVITY :

Contour	Range	Interval
———	Above 2500	10000 ohm-m
———		2500 ohm-m
———	2500 - 500	500 ohm-m
———	Below 500	100 ohm-m

DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

ARDOCH SYNDICATE

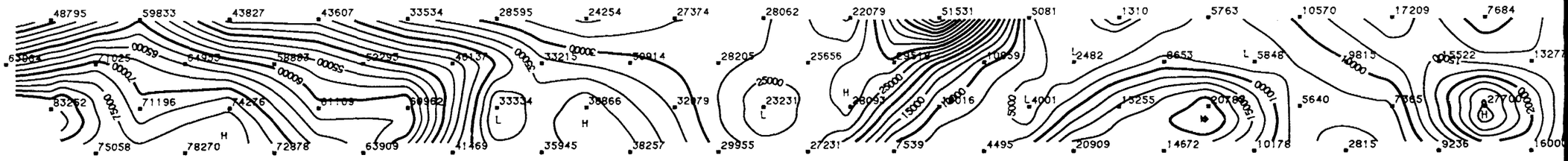
KEYHOE - RIDDELL PROPERTY
IP PSEUDO SECTION
LINE : 1400E

2.10512

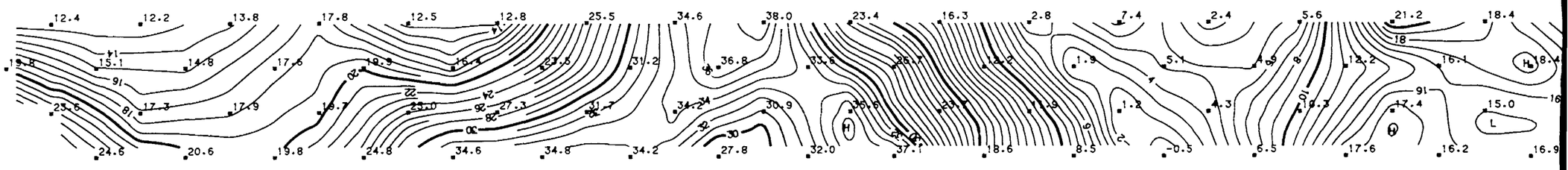
Dwg No. E.I.C.-1896 Date : 20-Oct-87

100S 75S 50S 25S 0N 25N 50N 75N 100N 125N 150N 175N 200N 225N 250N 275N 300N 325N 350N

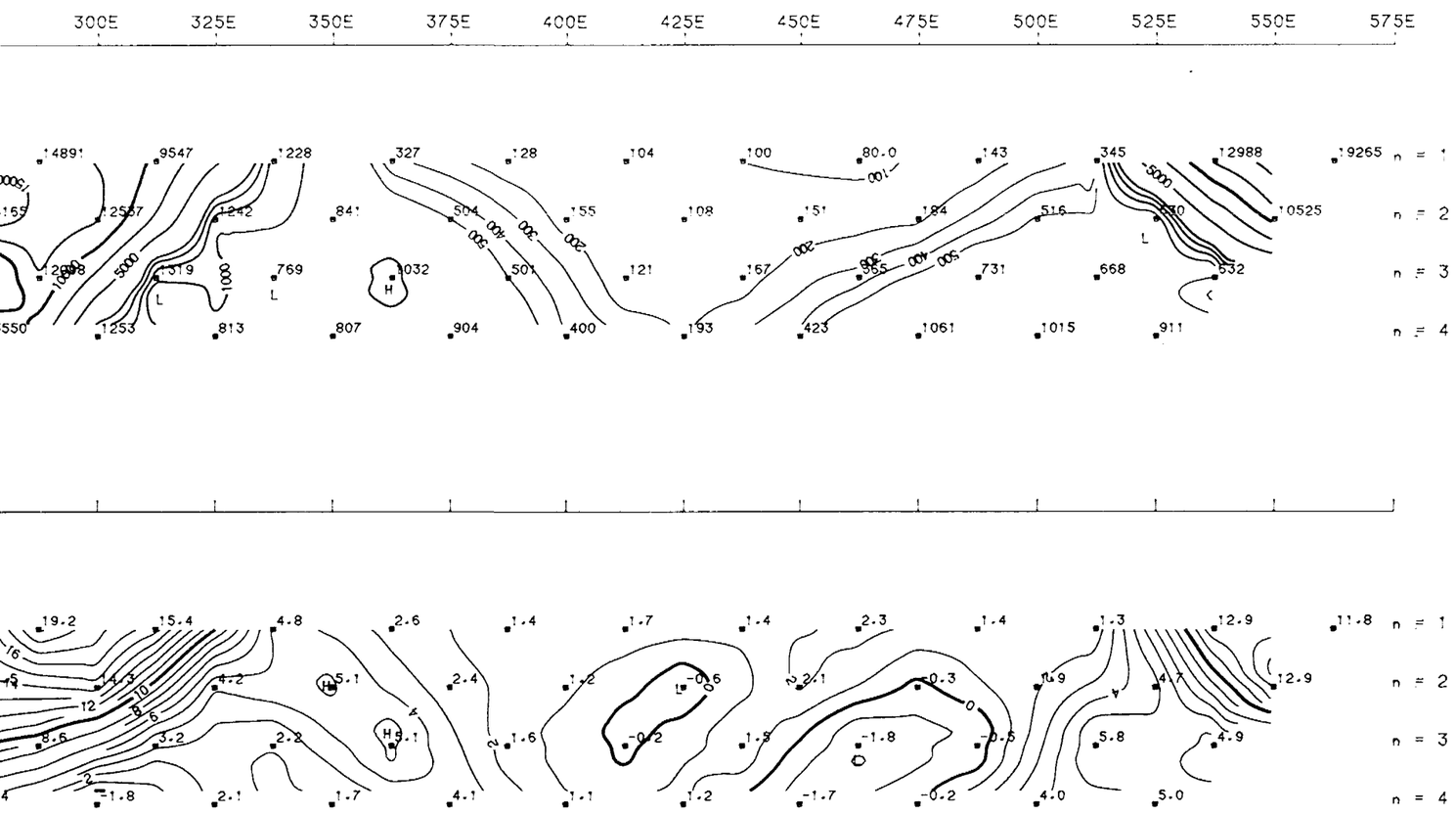
APPARENT RESISTIVITY (ohm-m)



APPARENT CHARGEABILITY (msec)



1400E



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

PLOTTING SPECIFICATIONS

HORIZONTAL SCALE : 1:1250

CHARGEABILITY :

——— 10 msec contour
——— 1 msec contour

RESISTIVITY :

Contour	Range	Interval
———	Above 2500	10000 ohm-m
———		2500 ohm-m
———	2500 - 500	500 ohm-m
———	Below 500	100 ohm-m

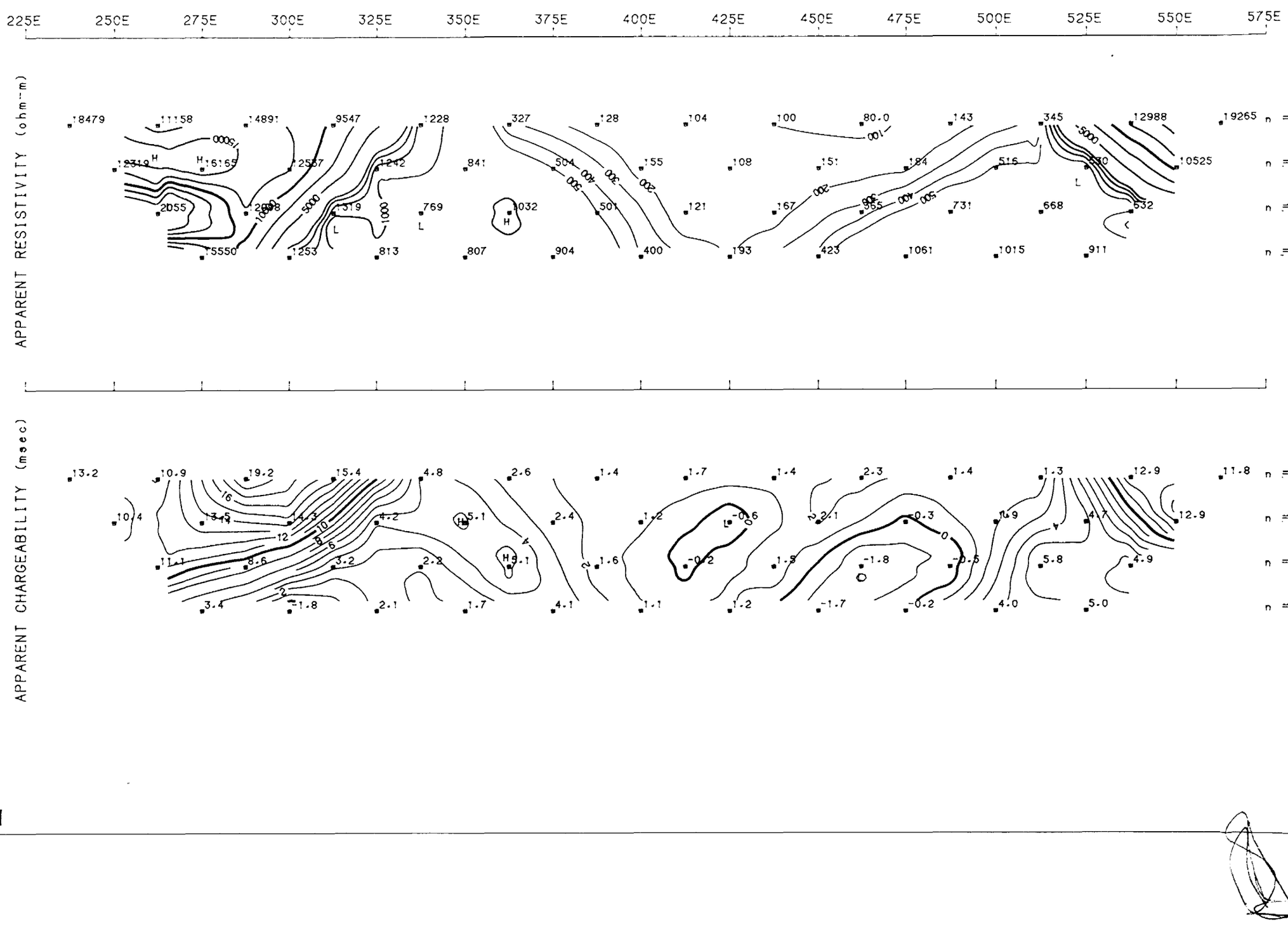
DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

ARDOCH SYNDICATE

KEYHOE - RIDDELL PROPERTY
IP PSEUDO SECTION
LINE : 175N

2,10512

Dwg No. E.I.C.-1831 | Date : 07-Jun-87


225E
250E
275E
300E
325E
350E
375E
400E
425E
450E
475E
500E
525E
550E
575E
APPARENT RESISTIVITY (ohm-m)
18479
11158
14891
9547
1228
12319
H
16165
2567
1242
841
327
128
104
100
80.0
143
345
12988
19265
10525
2055
2898
5000
1319
1000
769
L
L
1032
H
504
400
300
200
155
108
151
184
516
121
167
200
365
400
500
731
668
632
L
75550
1253
813
807
904
400
193
423
1061
1015
911
APPARENT CHARGEABILITY (msec)
13.2
10.9
19.2
15.4
4.8
2.6
1.4
1.7
1.4
2.3
1.4
1.3
12.9
11.8
10.4
16
13.5
14.3
12
10
8
6
4.2
5.1
H
2.4
1.2
-0.6
2.1
0.3
0
0.9
4.7
12.9
11.1
8.6
3.2
2.8
H
4.1
2
1.6
-0.2
1.8
1.8
0.5
5.8
4.9
3.4
1.8
2.1
1.7
4.1
1.1
1.2
1.7
0.2
4.0
5.0

175N

Resident Geologist - Tweed.

Ministry of Northern Development and Mines

Ontario

Report of Work # 87-46

(Geophysical, Geological, Geochemical and Expenditures)

31C15NW0062 2.10512 CLARENDON

900

Mining Act File 781810 — Do not use shaded areas below.

Type of Survey(s): IP/Resistivity

Township or Area: Clarendon M77

Claim Holder(s): Clinton Kehoe

Prospector's Licence No.: A 42718

Address: R.R. #1, Tichborne, Ontario. K0K 3V0

Survey Company: Claridge LaRose Geophysics Ltd.

Date of Survey (from & to): Day 05 87 Day 09 87

Total Miles of line Cut: 26.75 kms

Name and Address of Author (of Geo-Technical report): J. B. Boniwell, 10 Hurontario St., Mississauga, Ontario, L5G 3G7

Credits Requested per Each Claim in Columns at right

Special Provisions		Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Geophysical - Electromagnetic	
	Geophysical - Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	Geophysical - Radiometric	
	Geophysical - Other	28
	Geological	
	Geochemical	

Man Days		Days per Claim
Complete reverse side and enter total(s) here	Geophysical - Electromagnetic	
	Geophysical - Magnetometer	
	Geophysical - Radiometric	
	Geophysical - Other	
	Geological	
	Geochemical	

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
-	EO 781810	
	781811	
	781812	
	781813	
	781814	
	781815	
	781816	
	781817	
	781818	
	781819	
	840479	
	840480	-

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

RECEIVED
SEP 18 1987
MINING LANDS SECTION

SOUTHERN ONTARIO MINING DIV.
RECEIVED
SEP 11 1987
AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

Total number of mining claims covered by this report of work: 12

Expenditures (excludes power stripping)

Type of Work Performed: Induced Polarization Resistivity

Performed on Claim(s):

Calculation of Expenditure Days Credits

Total Expenditures: $ ÷ 15 = Total Days Credits

Instructions: Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

For Office Use Only

Total Days Cr. Recorded: 336

Date Recorded: Sept 11/87

Date Approved as Recorded: 17 Nov 87

Mining Recorder: D. Gillespie

Branch Director: Acting

Date: Sept. 10/87

Recorded Holder or Agent (Signature):

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying: F. L. Jagodits, Consulting Geophysicist, 10 Hurontario St., Missis., Ont. L5G 3G7

Date Certified: Sept. 10/87

Certified by (Signature):

Miller Twp. (M.127)

Barrie Twp. (M.50)

Palmerston Twp. (M.139)

Twp. (M.109)

Olden Twp. (M.136)

THE TOWNSHIP OF CLARENDON

COUNTY OF FRONTENAC

SOUTHERN ONTARIO

MINING DIVISION

SCALE: 1-INCH=40 CHAINS

LEGEND

PATENTED LAND	● or Ⓟ
CROWN LAND SALE	C.S.
LEASES	Ⓛ
LOCATED LAND	Loc.
LICENSE OF OCCUPATION	L.O.
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	S.R.O.
ROADS	
IMPROVED ROADS	
KING'S HIGHWAYS	
RAILWAYS	
POWER LINES	
MARSH OR MUSKEG	
MINES	⚒
CANCELLED	C.
TRAILS	
PATENTED S.R.O.	

NOTES

This Map Is Not To Be Used FOR SURVEY PURPOSES

Lot And Concession Lines Shown Hereon Are Projected From The Best Information Available, But Their True Position Is Not Guaranteed, For Official Survey Purposes Consult The Original Survey Plans And Field Notes Of Records In The Ministry of Natural Resources.

400' surface rights reservation along the shores of all lakes and rivers.

Flooded Lands Shown Thus:

Flooding Rights Reserved On Cross Lake And Fawn Lake To Elevation 110.5'. File: 126113.

Original Survey Line Of Frontenac Road Shown Thus:

Islands in Clarendon Lake shown thus

Surface Rights Only withdrawn from staking. File: 160708.

AREAS WITHDRAWN FROM STAKING

S.R. – SURFACE RIGHTS M.R.–MINING RIGHTS

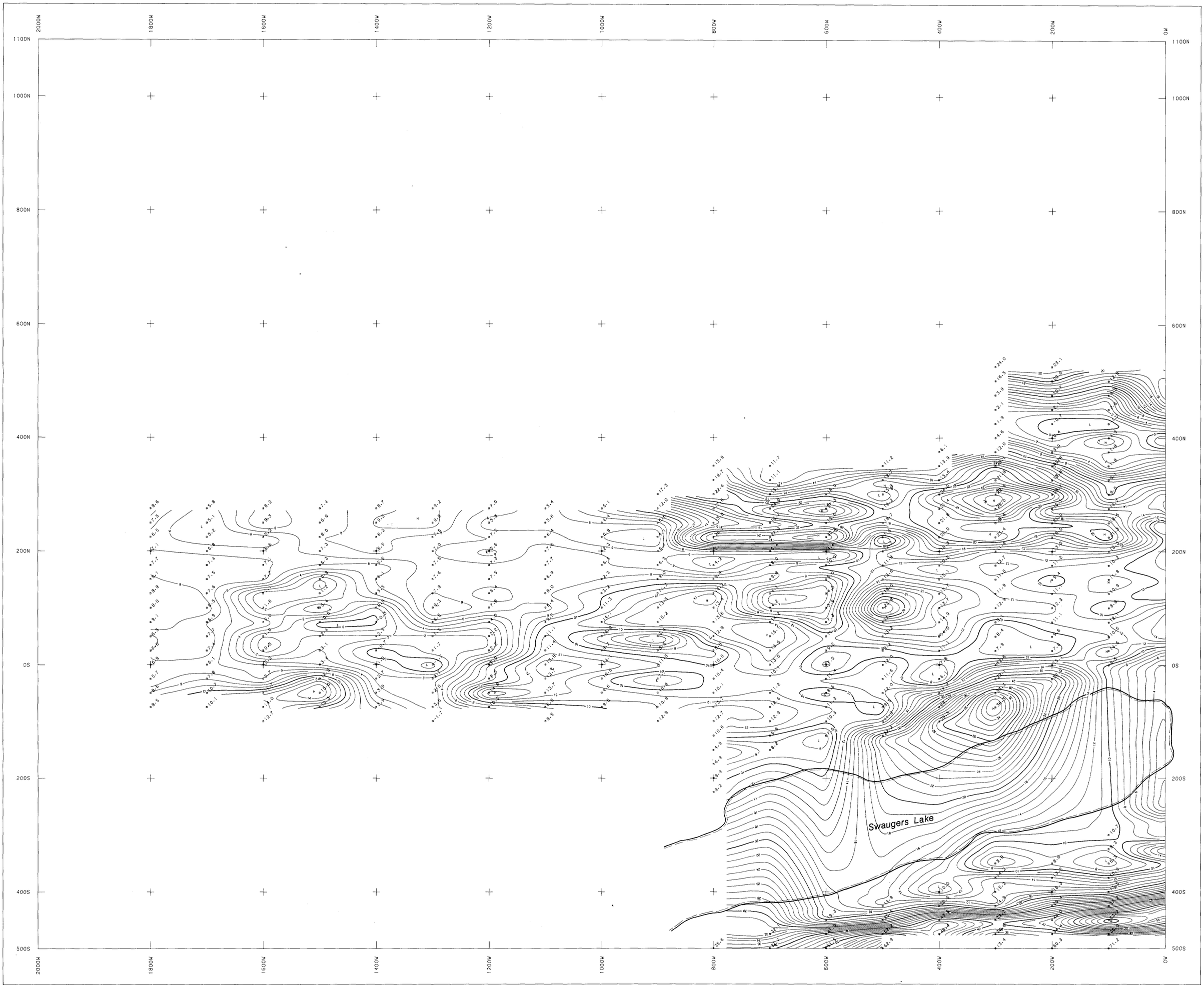
Section	Order No.	Date	Disposition	File
(M) Reserved for Public Use			SR	87431
(M) " " " "			SR	125573
(M) M.N.R. Reservation			SR	140861
(M) " "			SR & MR	92375
(M) Reservation				

DATE OF ISSUE
NOV 1 0 1987
SOUTHERN ONTARIO MINING DIVISION

PLAN NO.-M.77

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

METASEDIMENTS
METASEDIMENTS
METASEDIMENTS
Zone of Power Line Interference
Swaugers Lake
Swamp Creek
Mafic Plug ?
meta-arkose, siltstone
pelitic schist
FERNLEIGH — CLYDE FAULT ZONE
T.L. 5+75N
B.L. 00
LEGEND
Grid line with 25 m stations
Shoreline, stream
Claim line and post
Interpreted fault showing relative movement and basis for projection. M – Magnetics V – VLF (NAA)
Projected fold axis, anticlinal
Zone of potential alteration with identifier
Old DDH showing direction and year drilled (approx. location only)
Trench, pit, mine shaft
Geologic contact assumed
Chargeability anomaly definite, weak, indefinite showing suggested rake and accompanying resistivity change: increase, decrease, indeterminate
Proposed DDH with identifier
ARDOCH SYNDICATE
KEYHOE-RIDDELL PROPERTY
Clarendon Twp. Ontario
INTERPRETATION
SCALE 1:2500
DATE: DECEMBER 1986
Dwg. No. E.I.C.-1834A



SURVEY SPECIFICATIONS

DELAY TIME	:	240 msec
INTEGRATION TIME	:	100 msec
CONFIGURATION	:	Dipole-Dipole Array
DIPOLE SEPARATION	:	25 meters

LEGEND

CONTOUR INTERVAL : 1 msec

- 100 msec
- 10 msec
- 1 msec

0 100 200m

Scale 1:2500

DATA ACQUISITION :

DATA PROCESSING : TESLA 10

JOB NUMBER : TC-1001

ARDOCH SYNDICATE

KEYHOE - RIDDELL PROPERTY

CHARGEABILITY CONTOURS

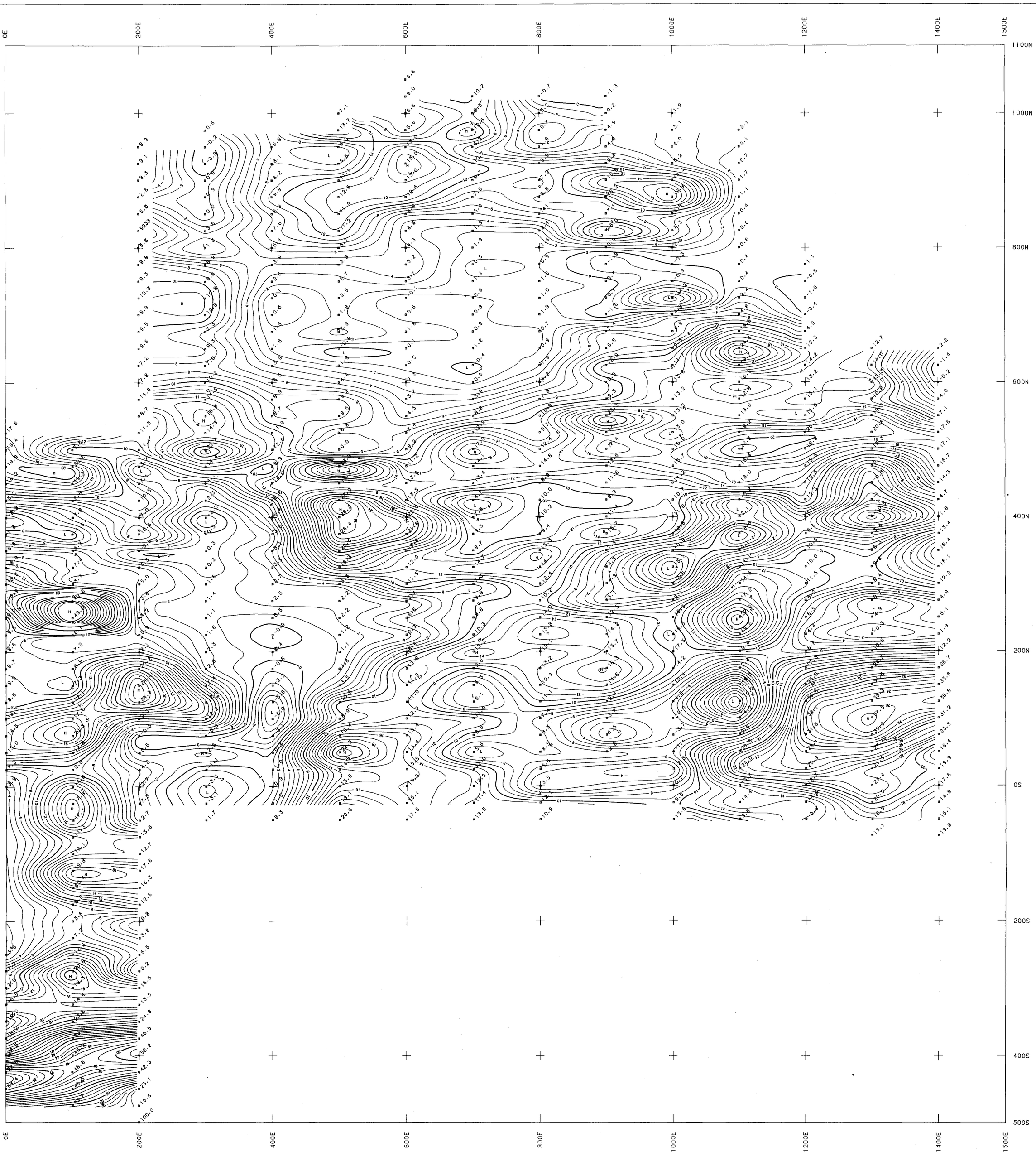
N SPACING : 2

SHEET 1

Dwg No. E.I.C.-1697A | Date : 28-Oct-87

0E 200E 400E 600E 800E 1000E 1200E 1400E 1500E

1100N 1000N 800N 600N 400N 200N 0S 200S 400S 500S



SURVEY SPECIFICATIONS

DELAY TIME	:	240 msec
INTEGRATION TIME	:	100 msec
CONFIGURATION	:	Dipole-Dipole Array
DIPOLE SEPARATION	:	25 meters

LEGEND

CONTOUR INTERVAL : 1 msec

100 msec

10 msec

1 msec

0 100 200m

Scale 1:2500

DATA ACQUISITION :

DATA PROCESSING : TESLA 10

JOB NUMBER : TC-1001

2.1052

ARDOCH SYNDICATE

KEYHOE - RIDDELL PROPERTY

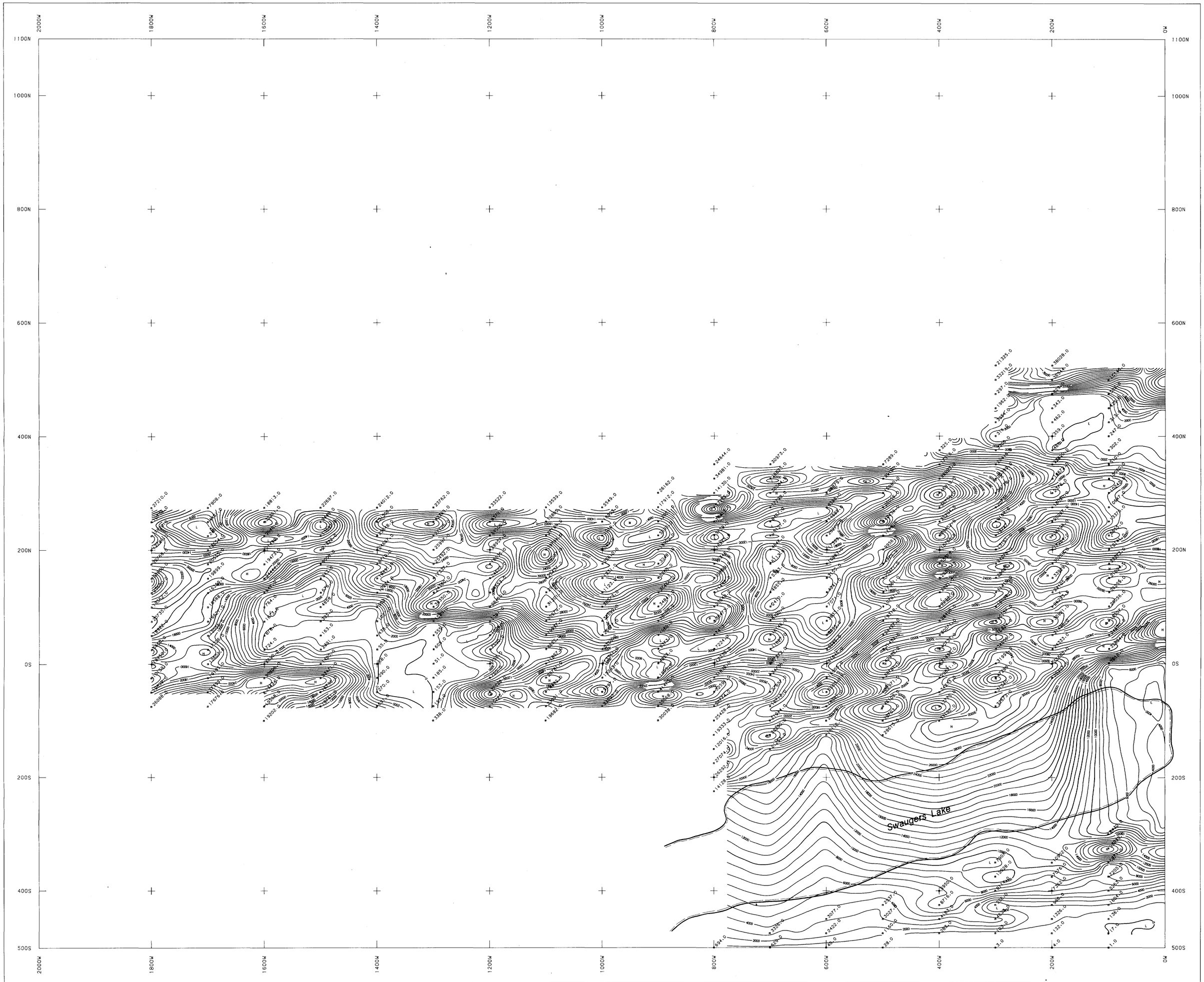
CHARGEABILITY CONTOURS

N SPACING : 2

SHEET 2

Dwg No. E.I.C.-1897B

Date : 28-Oct-87



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

LEGEND

CONTOUR INTERVAL : 100 ohm-m
10000 Ohm-m
1000 Ohm-m
100 Ohm-m

0 100 200m
Scale 1:2500

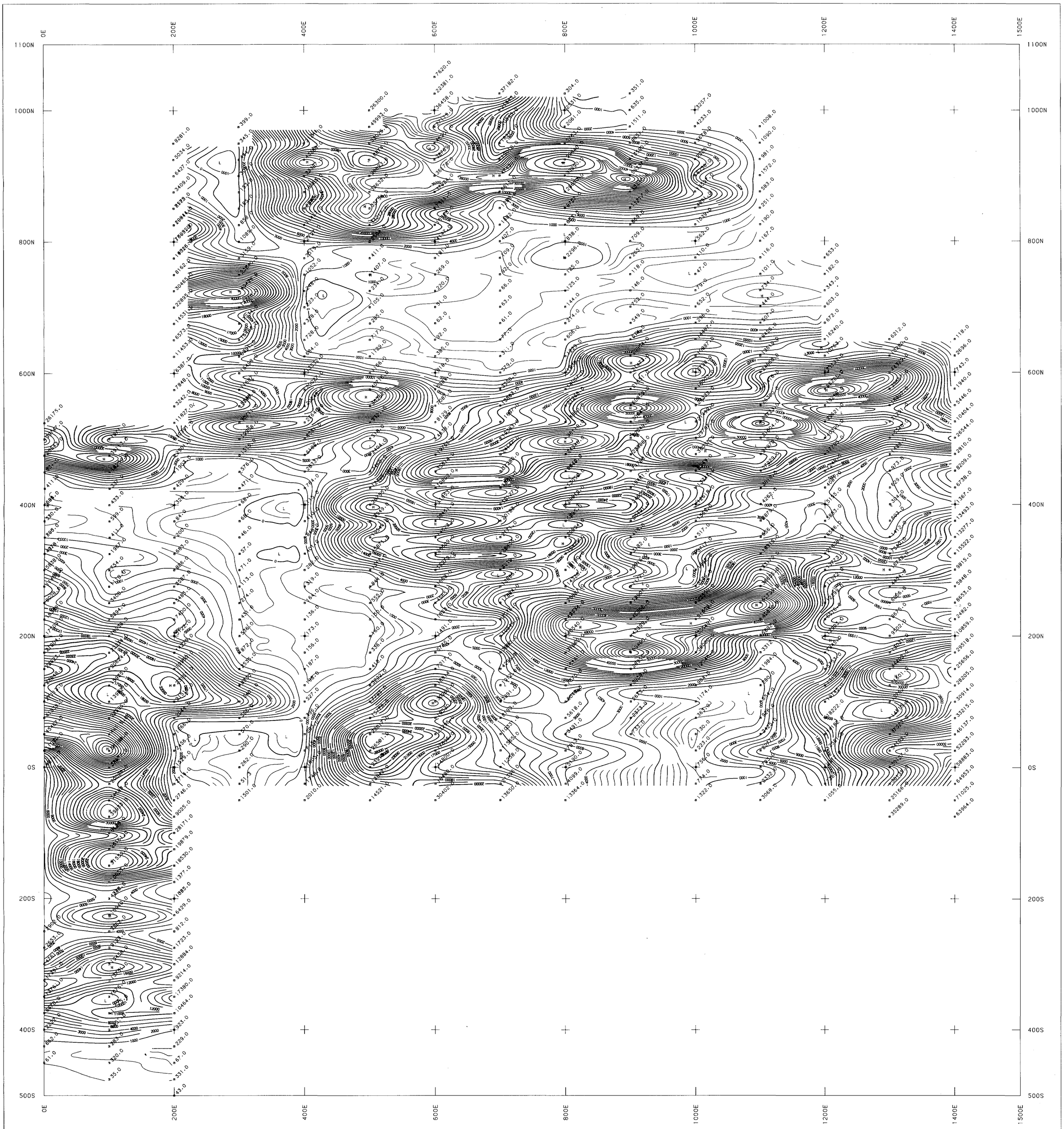
DATA ACQUISITION :
DATA PROCESSING : TESLA 10
JOB NUMBER : TC-1001

D. HESTER

ARDOCH SYNDICATE

KEYHOE - RIDDELL PROPERTY
RESISTIVITY CONTOURS
N SPACING : 2
SHEET 1

Dwg No. E.I.C.-1898A | Date : 28-Oct-87



SURVEY SPECIFICATIONS

DELAY TIME : 240 msec
INTEGRATION TIME : 100 msec
CONFIGURATION : Dipole-Dipole Array
DIPOLE SEPARATION : 25 meters

LEGEND

CONTOUR INTERVAL : 100 ohm-m
10000 Ohm-m
1000 Ohm-m
100 Ohm-m

0 100 200m
Scale 1:2500

DATA ACQUISITION :
DATA PROCESSING : TESLA IO
JOB NUMBER : TC-1001

2.10512

ARDOCH SYNDICATE

KEYHOE - RIDDELL PROPERTY
RESISTIVITY CONTOURS
N SPACING : 2
SHEET 2

Dwg No. E.I.C.-1898B | Date : 28-Oct-87