



52F05SE0112 2.4420 ROWAN LAKE

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REPORT ON GEOLOGICAL, MAGNETIC
AND INDUCED POLARIZATION SURVEYS

CONDUCTED ON THE
CAMERON LAKE GOLD PROPERTY
OF
NUINSCO RESOURCES LIMITED

Submitted by:

A. D. Hunter, M.Sc.
Geologist
Nuinsco Resources Limited
Toronto, Ontario.

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MINING LANDS SECTION



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Geological Map - #2 Zone, scale 1"=50'

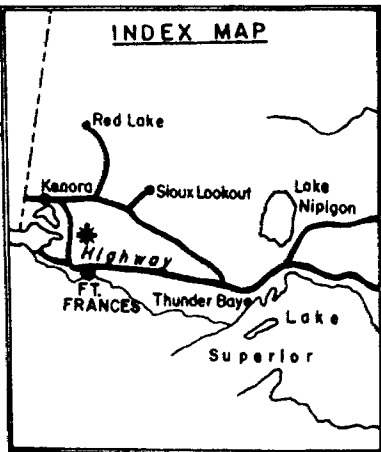
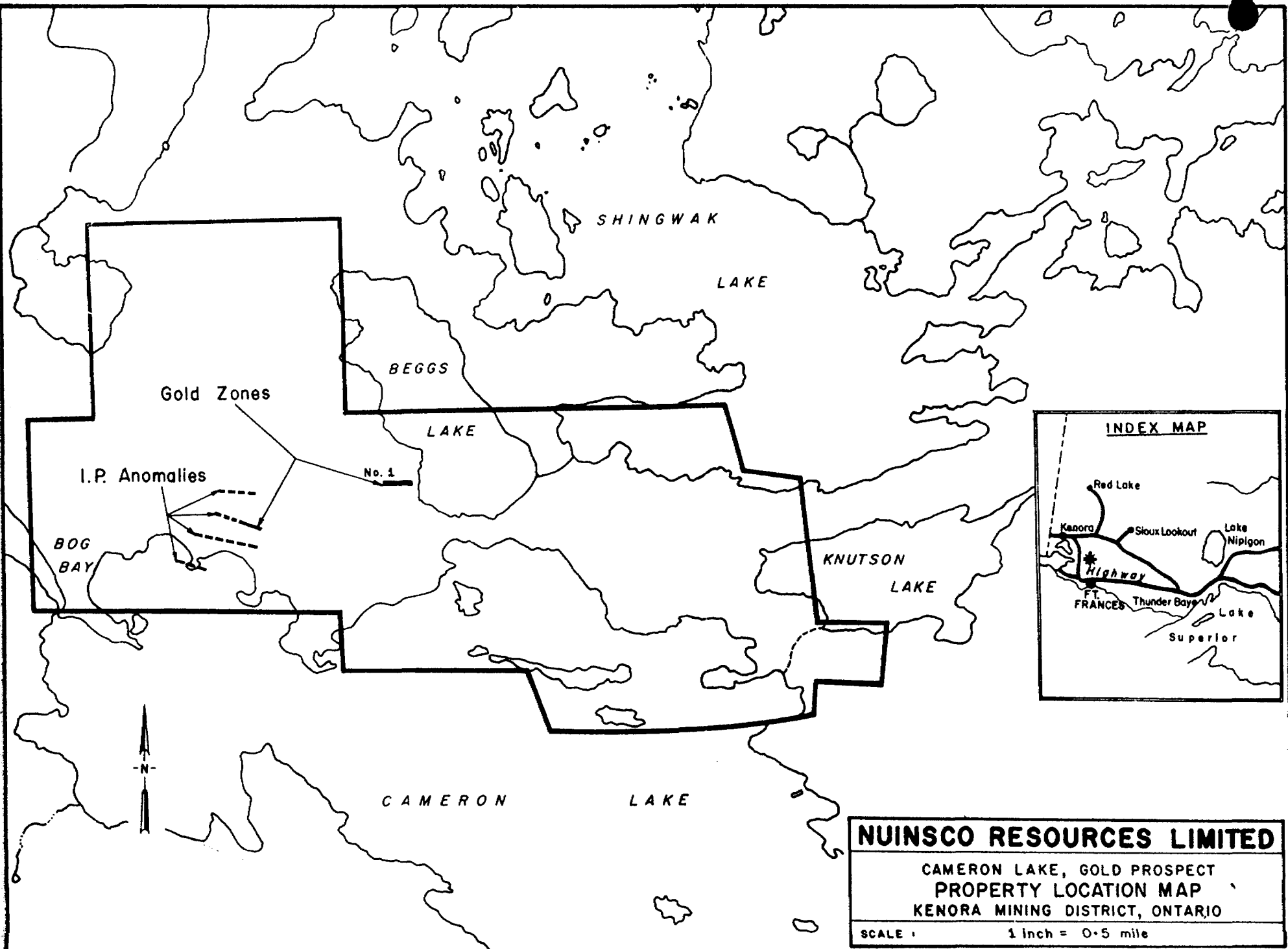
Geological Map, scale 1" = 400'

Magnetometer Survey Maps, scale 1"=200'

Pseudosections (28) covering lines 26E to 28W

Horizontal scale 1"=100'

FIGURE 1



NUINSCO RESOURCES LIMITED
CAMERON LAKE, GOLD PROSPECT
PROPERTY LOCATION MAP
KENORA MINING DISTRICT, ONTARIO
SCALE : 1 inch = 0.5 mile

PART I
GEOLOGICAL REPORT
ON
THE CAMERON LAKE GOLD PROPERTY
OF
NUINSCO RESOURCES LIMITED
by
A.D. Hunter
Geologist, M.Sc.
Nuinsco Resources Limited

Location and Access

The Cameron Lake property lies immediately east of Lake of the Woods, approximately 15 air miles (23Km) east of the village of Nestor Falls on Highway #71 (Fig.1). The property is readily accessible from Nestor Falls via float plane. Northwest Flying Services operate year round.

The mining claim group comprising the property encompasses the north shore of Cameron Lake and extends northward from the lake for a distance of up to one and a quarter miles (2Km) as illustrated in Fig.1. The area lies in a section of the Kenora Mining Division covered by the Rowan Lake sheet.

Property Ownership

Nuinsco Resources Limited at the present time holds 59 contiguous mining claims covering the Cameron Lake gold showings. Fifteen (15) were staked by Thunder Bay prospectors W. Morehouse and D. Petrunka, from whom Nuinsco purchased the claims. Subsequently, Nuinsco staked 44 additional claims; 40 in 1980 and another 4 in 1981.

The address of Nuinsco Resources Limited is Suite 306, 4198 Dundas Street West, Toronto, Ontario M8X 1Y6.

Geological Survey

Introduction

A grid was established over the entire claim group between April 15 - May 8, 1981. Base lines and L16W were established by transit and cross lines at 400' and locally at 200' intervals were cut. A geological mapping survey was conducted during the period May 28 - July 1, 1981. Also, the nature of overburden and timber varieties were observed and mapped. The following 32 claims were covered by the survey. K 465069-465075 incl., K465351-365358 incl., K 386816-386818 incl., K386888,386889,386895,386896; K 519950-519953,K 519962-519965 incl., K 533904. In addition, half of claims K 519957 and K 561023 were mapped.

Lithologies

The property is underlain by several distinctive map units. Predominant rock types are mafic pillowed and massive flows and coeval gabbro sills. The latter may be mapped for distances of up to 1 mile (1.6km).

A distinctive chalky-weathering feldspathic pyroclastic unit outcrops in the south central portion of the claim group and on the shore of Cameron Lake. This unit appears to have been intruded by a thick (660') gabbro sill south-east of the #2 Zone (see "Results of 1981 Diamond Drilling"). This same gabbro body occurs in the footwall to the mineralized zones here. Siliceous, auriferous pyritic tuff at the #2 Zone is probably stratigraphically equivalent to the pyroclastic unit. Pyroclastic rocks interfinger with mafic flows demonstrably on surface as well as at the #2 Zone.

A quartz porphyritic sill from 300-500' wide and with a strike length of 1.5mi. (2.4km) forms a very distinctive lithology. Good exposures of this unit occur on the islands in Cameron Lake.

Apart from the aforementioned, isolated occurrences of felsic and intermediate bedded tuff were mapped on the shore of Cameron Lake. Felsic to intermediate tuff and lapilli tuff are recorded in drill core in DDH's NC-1 and NC-2.

Structure

Foliation and bedding attitudes are subparallel. The strike is from 10-30 degs. north of west (100-120 degs. azimuth) with, in general, a steep northerly dip. The strike is readily apparent from the geological map. Also geophysical data, particularly I.P. resistivity measurements (N=5), when plotted in plan show a strong west-northwesterly trend. There are no measurable penetrative linear fabrics in the rocks, for example, mineral lineations or intersection lineations. There are hints of more than one foliation in a few outcrops but these could not be measured with confidence. No minor fold structures were observed, nor was it possible to make any "direction of facing" determinations. The intensity of deformation decreases northward away from the Cameron-Pipestone fault zone.

Structural information taken from ODM preliminary map P.831 indicates the rock succession in the region is overturned thus it "youngs" downward toward the south barring the presence of folds (at present indeterminable) on the property itself.

Detailed Lithologic DescriptionsMafic Volcanic Flows-Pillow Breccia

These rocks weather greenish brown to dun brown and are generally heavily lichen-coated making surface examination of these and other rocks difficult. The mafic flows are aphyric and are weakly amygdaloidal with generally only 1-3% amygdules. Amygdules are comprised of quartz and carbonate with minor epidote, chlorite and amphibole. Coarse gabbroic-textured flows typically have 10% flattened, wispy chlorite amygdules. Unaltered mafic flow rocks are dark green and aphanitic to very fine grained with the exception of the coarse flows which are indistinguishable from gabbro in some instances except for their amygdaloidal nature and overall aspect as seen in drill-core. Slatey mafic tuff is rarely observed on surface and occurs at the #2 Zone in association with siliceous tuff.

Mafic Intrusive Rocks

Gabbro and quartz-bearing pegmatitic gabbro weathers dark green and greenish brown as do the flow rocks. A distinction between the two is usually made on textural and structural criteria (outlined above). Based on mapping relations gabbro sills may be hundreds of feet thick and massive and uniform coarse grain textured.

Like the flow rocks gabbro is dark green on weathered surfaces and probably is also chemically very similar to flow rocks which appear to be basaltic in comparison.

A few exposures of rock are sufficiently feldspathic to be termed dioritic. Past workers, especially Noranda (1960-61), considered diorite to be an important rock type on the property. They also did not consider the possibility of thick, massive coarse grained flows. It is the author's opinion that the rocks in question are more mafic in composition and are largely effusive in origin - facts consistent with the more recent conclusions of other workers in the Archean.

Intermediate Volcanic Rocks

Feldspathic pyroclastic rocks form a distinctive map unit not recognized when the property was last mapped in 1960 by Noranda.

Massive, chalky to grey weathering tuff and lapilli tuff with up to 50% feldspar 5-10% mafic and 1-5% quartz phenocrysts and crystal fragments forms the dominant member of the unit. Feldspar crystals varying in size from 1-3mm are set in a light green aphanitic to fine grained groundmass. Square, 1-2mm mafic phenocrysts are disseminated throughout. Fragments and groundmass are texturally and compositional alike leading the author to consider an ash-flow

origin for such rocks based on analogy with documented features of geologically recent examples.

Locally this unit is well bedded as evidenced on the shore of Cameron Lake immediately south of Beggs Lake. Here cherty laminated pyritic ash-tuff is interbedded with 6" to 2' beds of lapilli tuff and tuff breccia as described above.

Massive feldspathic lava or tuff was observed in a few exposures. The aforementioned rock unit is andesitic to dacitic in composition overall, although some associated tuffs may locally be rhyolitic.

Felsic Volcanic Rocks

A few exposures of waxy sericite schist-phyllite are present on the shore of Cameron Lake. Locally this rock is thin bedded to laminated and is interpreted to be waterlain felsic tuff by the author. Similar rocks were also encountered in DDH NC-1 and NC-2 (Nuinsco 1981) collared at L6W15S. These rocks also revealed the presence of felsic lapilli tuff in this overburden covered area. Bedded calcareous sericitic tuff with siliceous pyritic disseminations and beds was encountered in the drilling on the #2 Zone (discussed in a section below). The tuff here is believed to be stratigraphically equivalent to the intermediate pyroclastic rocks mapped on surface approximately 2000' to the east-southeast near the shore of Cameron Lake.

Felsic Intrusive Rocks

Another distinctive unit is formed by sericitic quartz-eye porphyry. This is a thick homogeneous sill characterized by 10% 1-2mm round eyes set in a light yellow-flesh coloured aphanitic groundmass. The unit is highly sheared in general with schist phyllite zones and quartz and carbonate veins locally well developed. Associated with the quartz porphyry unit and forming some discrete bodies are feldspar-rich intrusions with 10-20% feldspar phenocrysts and 10-20% quartz phenocrysts.

The most westerly exposures of the quartz porphyry unit (near Nuinsco camp; line 20E,15S) are sheared and carbonatized containing 10-15% disseminated sub-mm ankerite grains.

Part I

History and Previous Exploration Activities

Although gold was discovered in this region of Ontario before the turn of the century, the gold showings at Cameron Lake have been known for only 20 years. They were discovered by Joe Burke and Alex Bouchie, Noranda prospectors, in 1960.

Their discoveries, the #1 and #2 Zones (Fig.2) were staked that year, and due to encouraging channel-sample assays they were tested by 'pack sack' diamond drilling and later by a major drilling program. The program entailed the drilling of 43 holes over the period mid-July, 1960 to mid-February, 1961. Of these, 26 tested the #1 Zone and 17 tested the #2 Zone. The #2 Zone proved to be the most interesting. A total of 3909' of drilling was done here testing an auriferous zone determined to be about 400' long; down to a depth of 125-150'.

Grid controlled geological and geophysical surveys were conducted on the claim group during the summer of 1960 and continuing until the summer's end of 1961. Magnetometer and 'Crone' J.E.M. surveys proved of little use in the planning of diamond drilling as they failed to 'identify' the auriferous #2 Zone.

Noranda held a claim group at Cameron Lake until 1971 when the claims were allowed to lapse presumably "due to the low tonnage and grade of the #2 Zone" (G.W. Adams, 1974).

Zahavy Mines Limited restaked part of the original Noranda claim group in 1972 and drilled 7 holes. This company tested an area about one half mile (0.8Km) west of the #1 Zone where they reportedly intersected an auriferous zone which then was considered to be the westward extension of the #1 Zone.

In December, 1973, Noranda Exploration Company, Limited optioned the 28 unpatented Zahavy claims. A drill program was proposed to confirm the Zahavy intersections, and to test for continuity and possible extensions of the #2 Zone. For this drilling Noranda relied on the detailed mapping done in 1961. The claim group was subjected to a magnetometer and VLF-EM survey and the #2 Zone was detailed by these surveys. The resulting maps discriminated between diorite bodies and the volcanics and indicated the strike of the rocks; however, they did not aid the drilling program.

Noranda drilled a total of 2101' in 9 holes. The first 3 holes tested, unsuccessfully, the new zone previously indicated by Zahavy Mines. The other 6 holes were drilled on the #2 Zone both to attempt to extend the gold-bearing zone and to fill in gaps in the previous drilling pattern. The zone was extended to the northwest and holes drilled to fill in gaps in the earlier drilling intersected the zone but only substantiated its presence and did not add to the tonnage or grade (Adams, 1974). Noranda did not attempt to extend

the zone to depth. No reason is given for this apparent anomaly. The property at Cameron Lake had lain idle since August of 1974. The author first visited the property in the company of H.D. Hume, in early November, 1980. At that time the area of the #2 Zone was examined and many of the old diamond drill setups were located and flagged.

In November 1980, geological, magnetic and I.P. surveys, and a diamond drill program were proposed for the Cameron Lake property and these were conducted during the period April - September, 1981. In all 5681' of BQ drilling was completed; most of this (5203') tested the Noranda #2 Zone. A discussion of the results of the drilling follows.

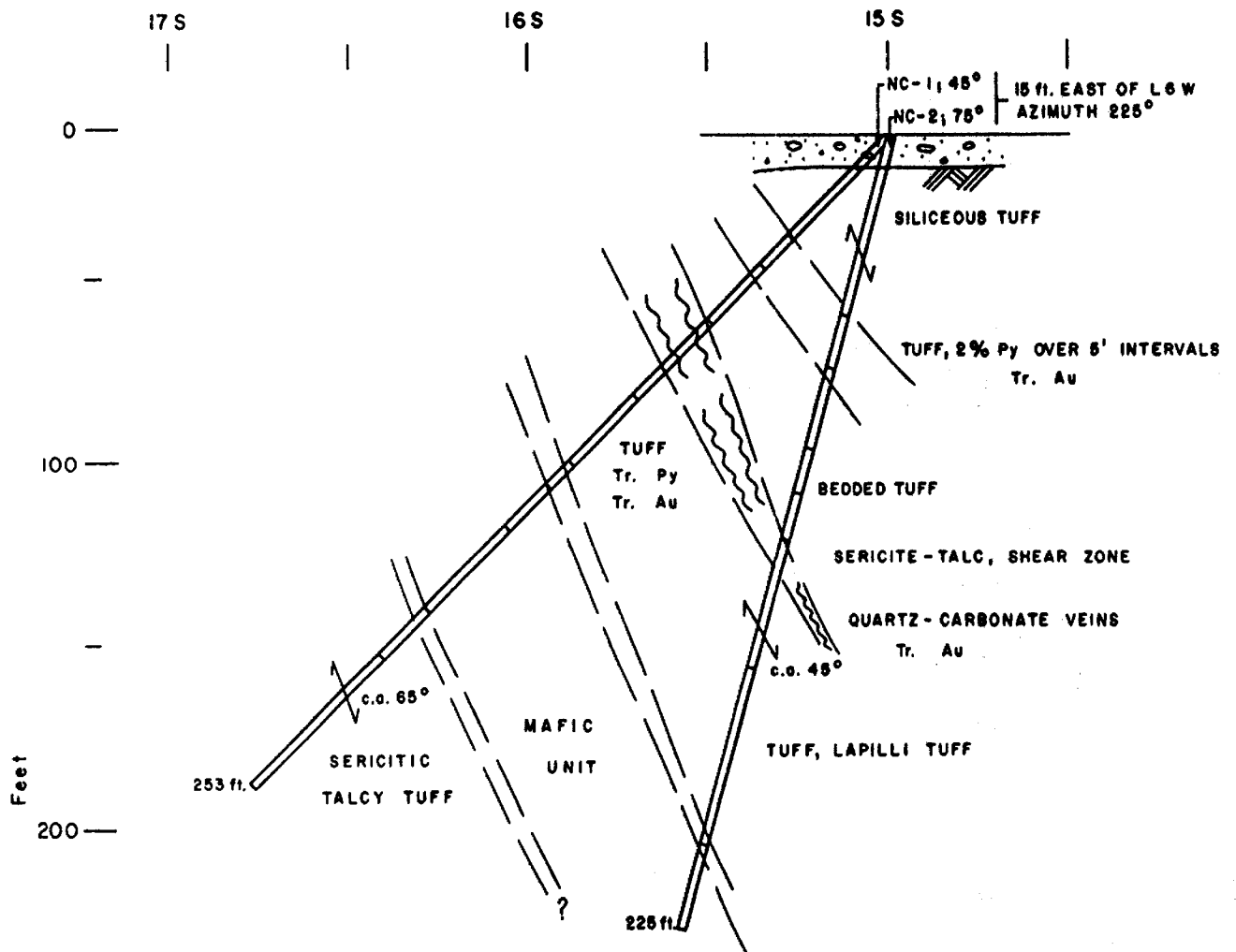
Results of 1981 Diamond Drilling

The first two holes drilled in 1981 tested the most interesting I.P. anomaly which was found on L6W, 15S near the lake shore (note Fig.2). The zone here is characterized by very low resistivities although the frequency effects are only moderate when compared to the #2 Zone. The drilling revealed largely bedded & massive intermediate-felsic tuffaceous rocks and lapilli-tuff. Minor disseminated pyrite occurs locally in the tuffs. A talc-sericite shear zone was encountered in both holes and parallels bedding (see Fig.4). Only trace values of gold are evident from 29 assays taken from NC-1 and NC-2.

The #2 Zone was drilled on a 50' grid pattern on the southeast portion of the zone (see Fig.3) where Noranda had encountered encouraging mineralization (e.g. DDH #25 - 32.2' of .17oz/ton Au.). Our initial plan was to study the area of the mineralization by establishing several drill-sections 50' apart (O+50E, O+00, O+50W). The first hole on the zone, NC-3 which essentially reproduced the intersection of Noranda, cited immediately above, encountered over 40' of pyritic tuff. However, this section assayed considerably lower than that of the Noranda hole. Subsequent holes, NC-4, NC-5 encountered the same tuff. The latter hole intersected a 33.5' section which assayed .116 oz/ton Au. This unit, the "main tuff", henceforth, was encountered in holes NC-3 to NC-16 incl. (note DDH sections in pocket). The main tuff is persistent from surface down dip for over 500' where it was cut in DDH NC-16. In this intersection a continuous section 31.5' long assayed (weighted average) .14 oz/ton Au.

Another mineralized tuff horizon occurs about 140' north of the main tuff on surface. This (the "North tuff") was intersected in seven holes (NC-4, NC-7, NC-12, NC-15, NC-16, NC-18, NC-19) and like the main tuff this unit is pyritic and gold-bearing. In hole NC-19 it was represented by a core length of 39.5' which yielded a weighted average of 0.27 oz/ton Au. Another intersection in NC-16, 250' vertically below surface ran 0.24 oz/ton Au. over 9.1'. Other tuff hori-

FIGURE 2



NUINSCO RESOURCES LIMITED	
CAMERON LAKE	
GEOLOGICAL RELATIONS	
IN DIAMOND DRILL HOLES NC-1 & NC-2	
SCALE	1 inch = 50 feet
DATE: October 1981	COMPILED BY: A.D. Hunter
Figure 4	

zons and small lenses are evident from the drilling done to date.

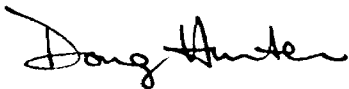
Gold mineralization also occurs within bleached-mineralized zones in mafic lava with from 1-5% fine grained pyrite and quartz-carbonate veins. In DDH NC-10 there is a section of altered lava (carbonatized and sericitized) that assayed 0.13 oz/ton Au. over 24 ft.

The most significant result of the drilling to date is the realization that the property holds large tonnage potential, since gold-sulphide mineralization occurs within siliceous and sericitic tuff and carbonate-sericite-rich exhalite interbedded and interfingering with pillowed and massive basalts.

The recognition that the #2 Zone has strata-bound volcanic-related gold sulphide mineralization (tuff) as well as hydrothermally altered and mineralized lavas was not considered by former workers. The depth potential of the gold mineralization and thus the potential for large tonnage bodies of ore-grade material is now apparent. The main tuff intersection in NC-16 is 425' vertically below surface or almost 300' below the earlier drill tests of Noranda. A diamond drill program is planned for 1982. This program will outline surface zones and provide data for grade and tonnage calculations.

In addition the depth potential of the tuff horizons will be tested.

Respectfully submitted



A.D. Hunter

Geologist, M.Sc.

Nuinsco Resources Limited
Toronto.

PART II
GEOPHYSICAL SURVEYS
I.P.
ON
THE CAMERON LAKE GOLD PROPERTY
OF
NUINSCO RESOURCES LIMITED

Introduction

An I.P. survey had never been attempted on the subject gold property. However there was every reason to believe that such a survey would detect zones of disseminated sulphide such as are present at the #2 Zone (see discussion of results below). There is a general sparsity of outcrop, especially in the western half of the claim group; thus it was felt that I.P. might detect other weakly mineralized zones in the environs of the #2 Zone that had eluded the various E.M. surveys tried in the past.

Between May 7 and June 10, 1981 approximately 14 line miles (22km) of I.P. surveying was completed on lines spaced 200' apart with on line stations every 100'. The survey was conducted by G. Beier of Toronto, a geophysical consultant with the aid of the author and P. Adams, a student temporarily employed by the Company.

The area covered by the survey, in the southwest portion of the property, is clearly evident on the geological map.

Survey Instruments

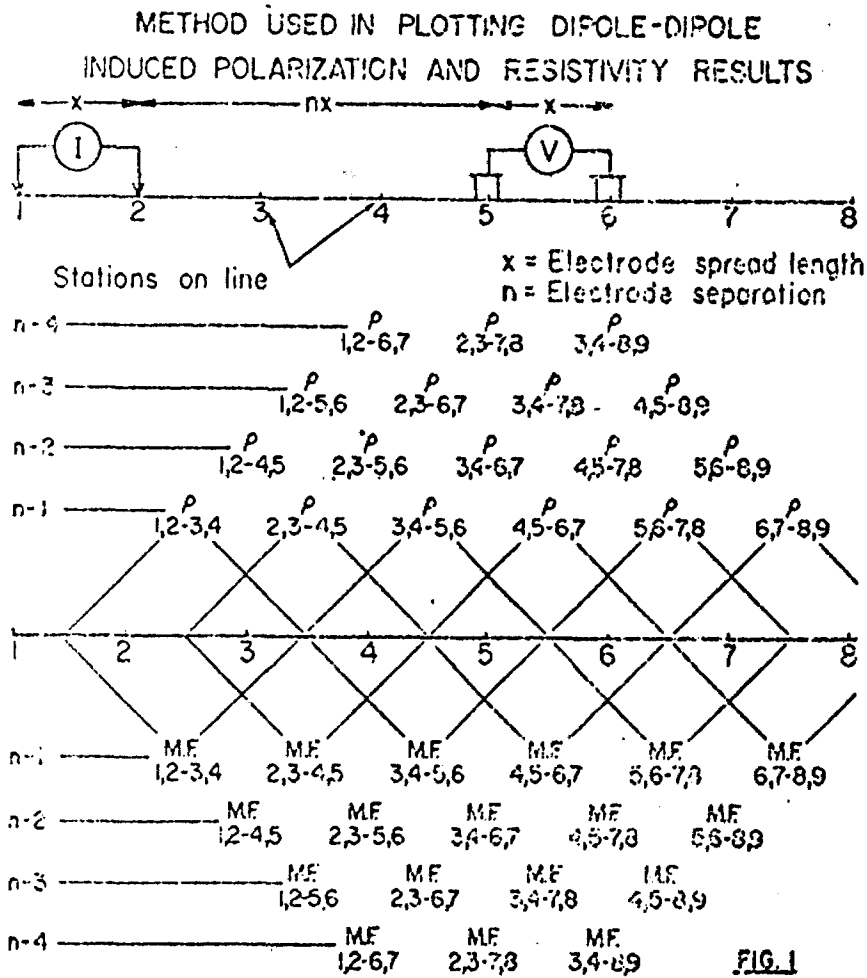
The induced polarization survey was carried out with a McPhar frequency type, Series 650 (Model 654) I.P. unit, operating at 0.3 and 5.0 Hz. The power source for the survey was a 2.5 Kva gas engine generator weighing 75 lbs.

Survey Method

The variable frequency I.P. method is well known (see Hallof, 1961) and is particularly suited to field use especially where the I.P. characteristics have not previously been determined. This is because the use of continuous (sequential) frequencies permits filtering at the voltmeter that is not possible in the pulse (time-domain) system. Since the effect of natural noise telluric current variations, etc. can be largely eliminated by this means, it is not necessary that the voltage measured be much larger than the noise level. One great advantage of this survey method is that calculation and interpretation of results are readily performed day to day in the field and corrective procedures are done in the field while the survey is being done and not back in the office.

A four electrode dipole-dipole configuration was employed as shown immediately

below, after Hallof, 1961.



As shown, with the current applied at two points a distance (x) apart and the potential is measured between two other co-linear points a distance (x) apart. In the case of our survey, the distance between the nearest current and potential electrode is (nx) where (n) is a variable integer between 1 and 5 (not 1 and 6 as shown).

For the purpose of our survey the distance used for (x) was 100', this being dictated by the relatively thin overburden (5-50') and the fact that ore potential targets were zones of disseminated pyrite mineralization which might have relatively small dimensions. In short, we decided to search for mineralization occurring at or very near the bedrock-overburden interface. Increasing the value of (x) or 'spreads' to 150 or 200' would have the effect of sampling a much larger volume of rock (doubling (x) essentially cubes rock volume)

could therefore result in a failure to detect mineralized zones. The maximum depth achieved by our survey at NC-5 was 150' in areas of thin overburden, and less (125') in areas of thicker overburden. Thus the maximum vertical scale on the profiles or pseudosections accompanying this report is 150'. The complete coverage of a line with an electrode separation (x) consists of several potential measurements from each pair of current electrode sites. The measurements are made with increasing values of (n).

At each current and potential electrode pair, the apparent resistivity is measured, as well as the apparent I.P. (frequency) effect. The polarization parameter measured is the Metal Factor which is equal to $2K \times 10^5$ (where "K" equals 3.1416) times the change in the apparent conductivity when the frequency of the applied current is changed.

Plotting the Results and Presentation

The value of the parameters measured in our I.P. survey are plotted on separate graphs, in a two dimensional array known as a pseudosection. The plotting method is demonstrated on the lower part of Figure 1. The values shown in the pseudosections are plotted at the intersection of 45° lines originating from the centre point of both the current and potential electrodes. Horizontal rows of values (e.g. n=1) are all made with a constant separation and therefore represent a constant depth of detection. The two dimensional data plots are contoured in order to delineate anomalous zones of resistivity, frequency effect and metal factor. The contoured plots should not be considered vertical sections of the electrical properties of the ground since other factors besides the distance (x), such as resistivities and geometry also affect the depth. Only through the experience of an operator is it possible to obtain a good approximation of the position, depth and size of a mineralized zone. The horizontal scale of the resultant pseudosections is 1"=100' since this is very suitable for presentation. The reader must keep in mind, as previously discussed, that the vertical scale is exaggerated out of proportion and that it does not exceed 150' down to n=5, based on results obtained in the field and the experience of the operator. I.P. resistivity lows are plotted in plan on the geological plan accompanying this so that the reader may see their relation to geology.

Discussion of Results

Four I.P. zones, Zone A,B,C & D have been interpreted from the I.P. data. These will be discussed separately below in order of their location from north to south.

Zone A

Zone A extends from lines 8W to 1E immediately south of BL0+00 and is oriented east-southeast or 120° azimuth.

On lines 0, 2W and 4W the source is shallow and strong while it appears to be deeper on lines 6W and 8W. Based on measured parameters this would be judged a high priority target. Some of the lowest resistivities and the highest metal factors are associated with this I.P. zone which is coincident with the #2 Zone a gold occurrence discussed in the geological section (Part I) of this report. Based on the diamond drilling done to date, this I.P. Zone has detected pyritic tuffaceous rocks containing 1-5% disseminated pyrite over widths of up to 50' at the bedrock-overburden interface.

I.P. effects on lines 6W and 8W although weaker probably have a similar origin based on the past work of Noranda (detailed in Part I of this report).

Zone B

Zone B is a pronounced I.P. resistivity low about 800' south of Zone A and with the same strike, east-southeast. It extends approximately 4000' from line 20W to line 20E. This I.P. zone is most interesting at line 10W and line 8E where anomalously high frequency effects and metal factor values make it a high priority drilling target.

From the geological information available to date this zone represents the contact between gabbro to the north and tuffaceous rocks outcropping at the eastern extremity of the anomaly. These tuffaceous rocks contain disseminated pyrite which is the probable cause of the strong I.P. effects observed at lines 10W and 8E.

Zone C

Zone C, 800' south of Zone B is comparable to Zone A in dimension, attitude and I.P. characteristics. The zone has the lowest resistivities observed during the subject I.P. survey, and metal factor values are very high here. Frequency effects were very noisy in this area. This zone was considered to have the highest priority for diamond drilling and was tested by two holes in July, 1981.

Drilling revealed bedded pyritic tuffaceous rocks and a talc-sericite shear zone up to 30' wide. The high talc content of the rocks in general explains the resistivity low in this area, while the sulphide in the tuff close to the shear zone accounts for the metal factor values.

Zone D

Zone D is another short I.P. Zone extending from line 20E to 26E and is centred at approximately 8S on the south boundary of the claim group. This zone is a

resistivity low with associated moderate metal factor values and slightly anomalous frequency effects.

Mapping done over this zone indicates that it occurs at the contact between a highly sheared sericitic quartz porphyry and mafic volcanic rocks. The anomaly is to be most interesting at n=4 and n=5 well below surface. However its geophysical characteristics when compared to Zones B and C have relegated it to a third priority classification for diamond drilling.

Summary and Recommendations

Four I.P. Zones lettered A,B,C, & D have been interpreted from the data and discussed in terms of geological information presented in Part I of this report.

Zone A is the strongest I.P. anomaly and is coincident with the gold-sulphide mineralization at the #2 Zone. In view of the results of the diamond drilling done to date the western extension of the anomaly from line 4W to line 8W is the first drilling priority in the future.

Zone B is the most extensive anomaly and has strong localized I.P. effects which, with corresponding favourable geology warrant second priority drilling in the future, especially on line 8E.

Zone C has been drill tested with discouraging results and no further drilling is planned here.

Zone D is a third priority drilling target.

Doug Hunter
Nov. 1981

PART III
MAGNETOMER SURVEY
ON
THE CAMERON LAKE GOLD PROPERTY
OF
NUINSCO RESOURCES LIMITED

Introduction

A magnetometer survey was conducted over the entire property employing a McPhar GD-70 Proton Magnetometer. Readings were taken every 100' on picket lines established at both 200' and 400' intervals.

The results of the survey were plotted and contoured on two maps at a scale of 1"=200', copies of which accompany this report. The base value for total field magnetics is 59,000 gammas. All readings were reduced by this number and then contoured at 250 gamma intervals.

Results of the Survey

The west half of the property (Sheet No.1) is magnetically quite flat although magnetic trends are subparallel to strike as determined from geologic mapping and I.P.-resistivity surveying.

There are several narrow features of high magnetic relief, two of which may be related to geological observations. One feature crosses BLO+00 and extends from line 8E to 24E with its strongest expression between lines 16E & 20E. This appears to represent a magnetite enriched zone within mafic flow rocks.

Another strong magnetic feature, however very local in extent, centred at line 4E, 23N represents a magnetite concentration in a gabbro body.

In general, the results of the magnetic survey are not as useful for geological interpretation as the I.P. survey results.

The magnetometer survey results for the eastern part of the property revealed a very pronounced east-west trend. This corresponds well to the swing in the strike direction through this area which has been observed by the author and previous mapping surveys (ODM Map P.831). Much of this part (Sheet #2) of the claim group has not yet been mapped by the author and it is therefore not possible to explain the nature of the magnetic features observed. Mapping to be done in 1982 will attempt this.

Doug Hunter
Nov. 1981

References

Adams, G.W., 1974: Summary Report Zahavy Option - Beggs Lake, NTS 52-F-5/SE; Noranda Exploration Company, Limited files, Thunder Bay, Ontario.

Hallof, P.G., 1961: Variable Frequency Induced Polarization Data Compared with Drilling Results at Four Properties; Reprint: The Northern Miner, November 30, 1961.

Kaye, L., 1973: Rowan Lake Area, District of Kenora; Ontario Division of Mines, Preliminary Map P.831, Geological Series, scale 1 inch to one quarter mile. Geology 1972.

The Mining Act

Type of Survey(s) INDUCED POLARIZATION	Township or Area ROWAN LAKE M-2580
Claim Holder(s) NUINSCO RESOURCES LIMITED STE 306 4198 DUNDAS STREET WEST TORONTO ONTARIO M9X 1Y6	Prospector's Licence No. T909
Survey Company G.F. BEIER ASSOCIATES INC. 11 MOCCASIN TRAIL	Survey Dates (linecutting to office) 07 05 81 10 06 81 Day Mo. Yr. Day Mo. Yr.
Name and Address of Author (of Geo-Technical report) A.D. HUNTER, STE 306 4198 DUNDAS STREET WEST TORONTO ONTARIO M8X 1Y6	

Special Provisions Credits Requested

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

Mining Claims Traversed (List in numerical sequence)

Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.
	465070				
	465071				
	465351				
	465352				
	465353				
	465354				
	465355				
	465356				
	519950				
	519951				
	519952				
	519952				
	519953				
	519957				
	519958				
	519962				
	519963				
	519963				
	561023				
	561023				

Man Days

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

Airborne Credits

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

Expenditures (excludes power stripping)

Type of Work Performed

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.

Report Completed **FOR NUINSCO RESOURCES LTD.**

Date of Report **Nov. 27, 1981**

Recorded Holder or Agent (Signature) *A.D. Hunter*

For Office Use Only

Total Days Cr. Recorded **260**

Date Recorded **JAN. 21. 82**

Date Reported **95.05.19**

Total number of mining claims covered by this report of work. **13**

Mining Recorder *[Signature]*

Branch Director *[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
A.D. HUNTER, STE 306 4198 DUNDAS STREET WEST, TORONTO ONTARIO M8X 1Y6 K386816

Date Certified **December 11, 1981**

Certified by (Signature) *A.D. Hunter*

RECEIVED

JAN 28 1982

MINING LANDS SECTION

The Mining Act

Type of Survey(s) GEOLOGICAL	Township or Area ROWAN LAKE W-2580
Claim Holder(s) NUINSCO RESOURCES LIMITED STE.306 4198 DUNDAS ST.W. TORONTO ONT. M8X 1Y6	Prospector's Licence No. T909
Survey Company CLAIM HOLDER	Survey Dates (linecutting to office) 28 Day 05 Mo. 81 Yr. 01 Day 07 Mo. 81 Yr.
Name and Address of Author (of Geo-Technical report) A.D. HUNTER, STE 306 4198 DUNDAS ST.W. TORONTO ONT. M8X 1Y6	

Special Provisions Credits Requested

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

Man Days

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

Airborne Credits

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

Expenditures (excludes power stripping)

Type of Work Performed

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.

Report Completed for **NUINSCO RESOURCES LTD.**

Date of Report **Nov. 27, 1981**

Recorded Holder or Agent (Signature) *[Signature]*

Mining Claims Traversed (List in numerical sequence)

Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
K	386816		K	519953	
	386817			519962	
	386818			519963	
	386888			519964	
	386889			519965	
	386895		(1/2)	519957	
	386896		(1/2)	561023	
	465069				
	465070				
	465071				
	465072				
	465073				
	465074				
	465075				
	465351				
	465352				
	465353				
	465354				
	465355				
	465356				
	465357				
	465358				
	519950				
	519951				
	519952				

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JAN 28 1982

MINING LAND SECTION

mail account data statement

Total number of mining claims covered by this report of work: **32**

For Office Use Only

Total Days Cr. Recorded: **640**

Date Recorded: **JAN 21 82**

Date Approved as Recorded: *[Signature]*

Regional/Branch Director: *[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
A.D. HUNTER, STE 306 4198 DUNDAS STREET WEST TORONTO ONTARIO M8X 1Y6 K 386816

Date Certified: **December 11, 1981**

Certified by (Signature): *[Signature]*

The Mining Act

Type of Survey(s) MAGNETOMETER	Township or Area ROWAN LAKE M-2580
Claim Holder(s) TORONTO ONT. NUINSCO RESOURCES LIMITED STE 306 4198 DUNDAS ST.W.M8X 1Y6	Prospector's Licence No. T909
Survey Company CLAIM HOLDER	Survey Dates (linecutting to office) 15 04 81 08 05 81 Day Mo. Yr. Day Mo. Yr.
Name and Address of Author (of Geo-Technical report) A.D. HUNTER, STE 306 4198 DUNDAS ST.WEST TORONTO ONTARIO M8X 1y6	
Total Miles of line Cut 45	

Special Provisions Credits Requested

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

Man Days

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

Airborne Credits

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

Expenditures (excludes power stripping)

Type of Work Performed

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.

Report Completed for **NUINSCO RESOURCES LTD.**

Date of Report **Nov. 27, 1981**

Recorded Holder or Agent (Signature)
A.D. Hunter

Mining Claims Traversed (List in numerical sequence)

Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.
K	386816		K	465354	
	386817			465355	
	386888			465356	
	386889			465357	
	386890			465358	
	386891			519950	
	386892			519951	
	386893			519952	
	386894			519953	
	386895			519954	
	386896			519955	
	386897			519956	
	386898			519957	
	386899			519958	
	386900			519959	
	465069			519960	
	465070			519961	
	465071			519962	
	465072			519963	
	465073			533901	
	465074			533902	
	465075			533903	
	465351			533907	
	465352			533908	
	465353			561023	

RECEIVED
JAN 28 1982

See Technical document with Credits Attached

Total number of mining claims covered by this report of work. **50**

For Office Use Only

Total Days Cr. Recorded **2000**

Date Recorded **JAN 21 82**

Date Approved as Recorded **[Signature]**

Minings Recorder **[Signature]**

Regional/Branch Director

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
A.D. HUNTER, STE 306 4198 DUNDAS ST.WEST TORONTO ONTARIO M8X 1Y6 K-386816

Date Certified **December 11, 1981**

Certified by (Signature)
A.D. Hunter



Mining Lands Comments

To: Geophysics

Comments

<input type="checkbox"/> Approved	<input type="checkbox"/> Wish to see again with corrections	Date	Signature
-----------------------------------	---	------	-----------

To: Geology - Expenditures

Ms Kustro

Comments

approved on Oct 12/82

<input checked="" type="checkbox"/> Approved	<input type="checkbox"/> Wish to see again with corrections	Date <i>March 4/83</i>	Signature <i>Kustro</i>
--	---	------------------------	-------------------------

To: Geochemistry

Comments

<input type="checkbox"/> Approved	<input type="checkbox"/> Wish to see again with corrections	Date	Signature
-----------------------------------	---	------	-----------

To: Mining Lands Section, Room 6462, Whitney Block. (Tel: 5-1380)



Ministry of Natural Resources

File _____

GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL TECHNICAL DATA STATEMENT

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

RECEIVED

DEC 15 1981

MINING LANDS SECTION

Type of Survey(s) INDUCED POLARIZATION
Township or Area ROWAN LAKE AREA
Claim Holder(s) NUINSCO RESOURCES LIMITED
STE 306 4198 DUNDAS ST.W. TORONTO ONT.
Survey Company G.F. BEIER ASSOCIATES INC. M8X 1Y6
Author of Report A.D. HUNTER, M.Sc.
Address of Author STE 306 4198 DUNDAS ST.W. TORONTO ONT.
Covering Dates of Survey MAY 7 - JUNE 10, 1981 M8X 1Y6
(linecutting to office)
Total Miles of Line Cut _____

MINING CLAIMS TRAVERSED
List numerically
Table with columns for prefix and number, listing claims like K 465069, 465070, 465351, etc.

SPECIAL PROVISIONS CREDITS REQUESTED
Table with columns for Geophysical, Geological, Geochemical and DAYS per claim.

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)
Magnetometer _____ Electromagnetic _____ Radiometric _____
DATE: November 30, 1981 SIGNATURE: Doug Hunter

Res. Geol. _____ Qualifications 2.2/29

Previous Surveys
Table with columns: File No., Type, Date, Claim Holder

TOTAL CLAIMS 13

OFFICE USE ONLY

If space insufficient, attach list

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations ~~Stations~~ Dipoles 698 Number of Readings 3485
Dipole Station interval 500' Line spacing 200'
Profile scale Horizontal - 1"=100' Vertical (v=5)= 150' maximum

Contour interval

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 McPhar Sequential Transmission Unit - Model 654
Method Time Domain Frequency Domain
Parameters - On time Frequency 0.3 and 5.- HZ
- Off time Range NA
- Delay time
- Integration time
Power 2.5 Kva gas engine generator
Electrode array Four electrode dipole-dipole
Electrode spacing 100 feet
Type of electrode Industrial aluminum foil

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 _____



GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL
TECHNICAL DATA STATEMENT

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

Type of Survey(s) MAGNETOMETER
Township or Area ROWAN LAKE AREA
Claim Holder(s) NUINSCO RESOURCES LIMITED STE 306 4198
DUNDAS STREET WEST TORONTO ONT. M8X 1Y6
Survey Company RENE DUPRAS, 50 LA SALLE, NORANDA QUE.
Author of Report A. D. HUNTER
Address of Author STE 306 4198 DUNDAS ST.W. TORONTO ONT.
M8X 1Y6
Covering Dates of Survey APRIL 11-MAY 8, 1981
(linecutting to office)
Total Miles of Line Cut 45

MINING CLAIMS TRAVERSED
List numerically

.....K386816...K386817... (2).....
(prefix) (number)
K386888 - 386900 incl. (13)
K465069 - 465075 incl. (7)
K465351 - 465358 incl. (8)
K519950 - 519963 incl. (14)
K533901 - 533903 incl. (3)
K533907, 533908 (2)
(1/2) K561023

If space insufficient, attach list

<u>SPECIAL PROVISIONS CREDITS REQUESTED</u>	Geophysical	DAYS per claim
ENTER 40 days (includes line cutting) for first survey.	-Electromagnetic	40
ENTER 20 days for each additional survey using same grid.	-Magnetometer	
	-Radiometric	
	-Other	
	Geological	
	Geochemical	

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

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

DATE: November 30, 1981 SIGNATURE: Doug Hunter
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

TOTAL CLAIMS 50

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations _____ Average >40 /claim _____ Number of Readings _____
Station interval _____ 100' _____ Line spacing _____ 200' and 400'
Profile scale _____
Contour interval _____

MAGNETIC

Instrument _____ McPhar GP-70 Proton Magnetometer S/N 7563
Accuracy – Scale constant _____ 1 1
Diurnal correction method _____ Graphical - change in base value VS time
Base Station check-in interval (hours) _____ 1 - 2 hrs.
Base Station location and value _____ Line 32E, BL 25+00N - 60,205 ✓

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 _____ Frequency _____
– Off time _____ Range _____
– Delay time _____
– Integration time _____
Power _____
Electrode array _____
Electrode spacing _____
Type of electrode _____

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 _____



Ministry of Natural Resources

File _____

GEOLOGICAL - GEOLOGICAL - GEOCHEMICAL
TECHNICAL DATA STATEMENT

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

Type of Survey(s) GEOLOGICAL
Township or Area ROWAN LAKE AREA
Claim Holder(s) NUINSCO RESOURCES LIMITED STE 306 4198
DUNDAS STREET WEST TORONTO ONT. M8X 1Y6
Survey Company CLAIM HOLDER
Author of Report A. D. HUNTER, M. Sc.
Address of Author STE 306 4198 DUNDAS STREET WEST TORONTO
ONT. M8X 1Y6
Covering Dates of Survey MAY 28-JULY 1, 1981
(linecutting to office)
Total Miles of Line Cut _____

MINING CLAIMS TRAVERSED	
List numerically	
K386816 - K386818 incl.	(3)
(prefix)	(number)
K386888 - K386889 incl.	(2)
K386895 - K386896 incl.	(2)
K465069 - K465075 incl.	(7)
K465351 - K465358 incl.	(8)
K519950 - K519953 incl.	(4)
K519962 - K519965 incl.	(4)
(1/2) K519957	
(1/2) K561023	
TOTAL CLAIMS <u>32</u>	

SPECIAL PROVISIONS CREDITS REQUESTED	Geophysical	DAYS per claim
ENTER 40 days (includes line cutting) for first survey.	-Electromagnetic _____	
	-Magnetometer _____	
	-Radiometric _____	
ENTER 20 days for each additional survey using same grid.	-Other _____	
	Geological _____	20
	Geochemical _____	

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)
Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: November 30, 1981 SIGNATURE: _____
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys			
File No.	Type	Date	Claim Holder

OFFICE USE ONLY

If space insufficient, attach list

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations _____ Number of Readings _____

Station interval _____ Line spacing _____

Profile scale _____

Contour interval _____

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 _____ Frequency _____

– Off time _____ Range _____

– Delay time _____

– Integration time _____

Power _____

Electrode array _____

Electrode spacing _____

Type of electrode _____

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 _____

NUINSCO RESOURCES LIMITED

MINE OFFICE
P.O. BOX 2275
NORANDA,
QUEBEC

EXECUTIVE OFFICES
SUITE 306
4198 DUNDAS ST. WEST
TORONTO, ONTARIO, M8X 1Y6

PLEASE REPLY TO:

February 24, 1983

Executive Offices

RECEIVED

FEB 25 1983

MINING LANDS SECTION

E.F. Anderson
Director, Land Management Branch
Ministry of Natural Resources
Whitney Block, Room 6450
Queen's Park
Toronto, Ontario M7A 1W3

Yr. File 2.4420

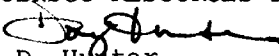
Dear Sir: Re: Geophysical (Magnetometer & Induced Polarization)
Geological Survey and Assaying submitted on Mining
Claims K 386816 et al in the Area of Rowan Lake.

Further to your letter of January 11th, 1983, with enclosures, please
be advised of the following:

- a) all the I.P. maps have been signed.
- b) all claim lines and numbers now show on the mag maps.
- c) photocopy of cancelled cheque and certificate of
analysis herein provided to verify our expenditure
of \$290.00.

The mag and I.P. maps and the material mentioned in c), above are
enclosed.

Yours very truly,
NUINSCO RESOURCES LIMITED


A.D. Hunter
Geologist

encls.



Ministry of
Natural
Resources

Ontario

June 9th 1983

Your file:

1983 05 19

Our file: 2.4420

Mining Recorder
Ministry of Natural Resources
808 Robertson Street
Box 5160
Kenora, Ontario
P9N 3X9

Dear Sir:

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

Yours very truly,

For further information, if required,
please contact Mr. F.W. Matthews at
416/965-1380.

E.F. Anderson
Director
Lands Administration Branch
Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1316

D. Kinvig:sc

cc: Nuinsco Resources Limited
Ste 306
4198 Dundas Street West
Toronto, Ontario
M9X 1Y6
Attn: A.D. Hunter.

cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario



Ministry of
Natural
Resources

Notice of Intent
for Technical Reports

1983 05 19

2,4420

An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on his record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

If you are of the opinion that these changes by the mining recorder will jeopardize your claims, you may during the next fifteen days apply to the Mining and Lands Commissioner for an extension of time. Abstracts should be sent with your application.

If the reduced rate of credits does not jeopardize the status of the claims then you need not seek relief from the Mining and Lands Commissioner and this Notice of Intent may be disregarded.

If your survey was submitted and assessed under the "Special Provision-Performance and Coverage" method and you are of the opinion that a re-appraisal under the "Man-days" method would result in the approval of a greater number of days credit per claim, you may, within the said fifteen day period, submit assessment work breakdowns listing the employees names, addresses and the dates and hours they worked. The new work breakdowns should be submitted direct to the Lands Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.

1983 05 19

Recorded Holder	NUINSCO RESOURCES LIMITED
Township or Area	ROWAN LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ days Magnetometer <u>34</u> days Radiometric _____ days Induced polarization _____ days Section 86 (18) _____ days Geological _____ days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	K 386816-17 386889 to 386900 inclusive 465069 to 75 inclusive 465351 to 58 inclusive 519950 to 63 inclusive 533901 to 03 inclusive 533908 561023

Special credits under section 86 (15a) for the following mining claims

No credits have been allowed for the following mining claims

<input checked="" type="checkbox"/> not sufficiently covered by the survey	<input type="checkbox"/> Insufficient technical data filed
--	--

K 386888
533907

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 86(18)-60:

1983 05 19

Recorded Holder	NUINSCO RESOURCES LIMITED
Township or Area	ROWAN LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Section 86 (18) _____ days Geological <u>17</u> days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	K 386816 to 18 inclusive 386888-89 386895-96 465069 to 75 inclusive 465351 to 58 inclusive 519950 to 53 inclusive 519957 519962-63 519965 561023

Special credits under section 86 (15a) for the following mining claims

--

No credits have been allowed for the following mining claims

<input checked="" type="checkbox"/> not sufficiently covered by the survey	<input type="checkbox"/> Insufficient technical data filed
519964	

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 86(18)-60:

2.4420

1983 06 14

2,4420

Mr. Wade Mathew
Mining Recorder
Ministry of Natural Resources
808 Robertson Street
Box 5160
Kenora, Ontario
P9N 3X9

Dear Sir:

RE: Geophysical (Magnetometer) and Geological Survey
on Mining Claims K386816 et al in the Area of Rowan Lake

The Geophysical (Magnetometer) and Geological Survey assessment work credits as listed with my Notice of Intent dated May 19, 1983 have been approved as of the above date.

Please inform the recorded holder of these mining claims and so indicate on your records.

Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416) 965-1380

D. Kinvig:mc

cc: Nuinsco Resources Limited
Suite 306
4198 Dundas Street West
Toronto, Ontario
M9X 1Y6

Attention: A.D. Hunter

cc: Resident Geologist
Kenora, Ontario

1983 01 11

2.4420

Nuinsco Resources Limited
Suite 306
4198 Dundas Street West
Toronto, Ontario
M9X 1Y6
Attention: Mr. A.D. Hunter.

Dear Sirs:

RE: Geophysical (Magnetometer & Induced Polarization)
Geological Survey and Assaying submitted on Mining
Claims K 386816 et al in the Area of Rowan Lake.

Enclosed are the I.P. and Mag maps for the above mentioned survey. In order to complete your submission we require the following information:

- a) all the I.P. maps must be signed.
- b) all claim lines and numbers must be shown on the mag maps.
- c) cancelled cheques or receipts must be provided to verify your expenditures of \$290.00.

For further information, please contact Mr. F.W. Matthews at 965-1380.

Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1380

A. Barr:sc

Encls:

cc: Mining Recorder, Kenora, Ontario



Mining Lands Comments

- I.P. maps not signed

To: Geophysics

Mr Barlow.

Comments

I.P. maps not signed

Approved

Wish to see again with corrections

Date

Aug 13/82

Signature

Ray - Blue

To: Geology - Expenditures

Mr Kustra

Comments

Approved

Wish to see again with corrections

Date

Signature

To: Geochemistry

Comments

Approved

Wish to see again with corrections

Date

Signature

To: Mining Lands Section, Room 6462, Whitney Block.

(Tel: 5-1380)

Mining Lands Comments

To: Geophysics

Comments

<input type="checkbox"/> Approved	<input type="checkbox"/> Wish to see again with corrections	Date	Signature
-----------------------------------	---	------	-----------

To: Geology - Expenditures *Mn Kustia.*

Comments

<input checked="" type="checkbox"/> Approved	<input type="checkbox"/> Wish to see again with corrections	Date <i>Oct 12/82</i>	Signature <i>Kustia</i>
--	---	-----------------------	-------------------------

To: Geochemistry

Comments

<input type="checkbox"/> Approved	<input type="checkbox"/> Wish to see again with corrections	Date	Signature
-----------------------------------	---	------	-----------

To: Mining Lands Section, Room 6462, Whitney Block. (Tel: 5-1380)

January 19, 1982

2.4420

Office of the Mining Recorder
Ministry of Natural Resources
808 Robertson Street
Box 5160
Kenora, Ontario
P9N 3X9

Dear Sir:

We have received reports and maps for a Geophysical (Magnetometer and Induced Polarization) and Geological Survey submitted under Special Provisions (credit for Performance and Coverage) on Mining Claims K.386816 et al, in the Area of Rowan Lake.

This material will be examined and assessed and a statement of assessment work credits will be issued.

Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1388

J. Skura/bk

cc: Nuinsco Resources Limited
Toronto, Ontario
Attention: A.D. Hunter

Crew Chief: BEIER G.F.

Address & Tel: 4198 DUNDAS ST. W. 231-51

Client: NUINSCO

Client Representative: DOUG HUNTER

Project Name/No. CAMERON LK

Twp. _____

Area Kenora Prov. ONT

PRODUCTION RECORD

Month	Date	Particulars	Line	Opera-	Trav-	Bad	Stand-	Equip-	Sundry	O'head	Time	No. of	Spread	No. of	No. of	Total	Footage
May		Survey	Line	ting	el	Weather	by	B down			off	S P	in ft	n	Rdgs.	Rdgs/	
		Method	No.														
Sunday																	
Monday																	
Tuesday	5	TR. TORONTO	S/S/MAC		1												
Wednesday	6	TR. S/S/MAC	N/S/L/R/M		1												
Thursday	7	SET UP CAMP	LINE 4W						1								
Friday	8	IP	LINE 4W	1							22	100	5	110	2600		
Saturday	9	IP	" 2W	1							19	100	5	95	2300		
Weekly Totals	Days	Climate															

Project Mileage

Port- al to Portal	
Wkly Start	End
Net	

Accessibility of Property

Portage only	Days
4 Wheel	
Car	
Truck or Skiddo	

Quality of Ground Contact

No. of holes per Electrode	AMPERES
Depth	Min. .1
	Max. 8
	Avg. 1A

Employee's name	Travel Morning	Break-down	Oper-ate	Stand-by	Rate 1	Rate 2
EDWARD GULLAGE	2		2	1		
PAUL ADAMS	2		2	1		

Attitude of: Crew Crew Chief Client

Good _____
 Bad _____

Indifferent _____

If negative explain
 or
 Comments

Doug Hunter

White copy: Client

Yellow copy: Crew

Green Copy: Office

Crew Chief: BEIER G.F.

Address & Tel: 4198 DUNDAS ST W 24 5605

Client: NUINS CO

Client Representative: DOUG HUNTER

Project Name/No. CAMERON LK

Twp. _____

Area KEMBRID Prov. ONT

PRODUCTION RECORD

Month	Date	Survey Method	Particulars Line No.	Operating	Travel	Bad Weather	Stand by	Equip. B'down	Sundry	O'head.	Time off	No. of Poles S P	Spread in ft.	No. of n	No. of Rdgs.	Total Rdgs.	Footage
MAY	Sunday 10	IP	LINE 0700	1								18	100	5	90	2200	
	Monday 11	IP	LINE 2E	1								18	100	5	90	2200	
	Tuesday 12	IP	" 4E	1								19	100	5	95	2300	
	Wednesday 13	IP	" 6E	1								14	100	5	70	1800	
	Thursday 14	IP	" 8E	1								19	100	5	95	2300	
	Friday 15	IP	" 10E	1								14	100	5	70	1800	
	Saturday 16	IP	" 12E	1								14	100	5	70	1800	
Weekly Totals	Days	Climate															

Project Mileage

Port- al to Portal	
Wkly End start Net	

Accessibility of Property

Portage only	Days
4 Wheel	
Car	
Truck or Skiddo	

Quality of Ground Contact

No. of holes per Electrode	AMPERES
1	Min. 1
Depth	Max. ✓
1	Avg. 1A

Employee's name	Travel Morning	Break-down	Oper- ate	Stand- by	Rate 1	Rate 2
EDWARD GULLAGE			7			
PAUL ADAMS			7			

Attitude of: Crew Crew Chief Client

Good _____

Bad _____

Indifferent _____

If negative explain or

Comments

White copy: Client

Yellow copy: Crew

Green Copy: Office

Doug Hunter

Crew Chief: BEIER G.F.

Address & Tel: 4198 DUNDAS ST W 231-56

Client: NUINSCO

Client Representative: DOUG. HUNTER

Project Name/No. CAMERON LK

Twp. _____

Area KENORA Prov. ONT

PRODUCTION RECORD

Month	Date	Survey Method	Particulars Line No.	Operating	Travel	Bad Weather	Stand by	Equip B'down	Sundry	O'head	Time Off	No. of Poles S P	Spread in ft	No. of n	No. of Rdgs.	Total Rdgs/	Footage
MAY	Sunday	IP	LINE 14E	1								13	100	5	65	1700	
	Monday	IP	" 16E	1								12	100	5	60	1600	
	Tuesday	IP	" 18E	1								13	100	5	65	1700	
	Wednesday	IP	" 20E	1								20	100	5	100	2400	
	Thursday	IP	" 22E	1								20	100	5	100	2400	
	Friday	IP	" 24E	1								18	100	5	95	2300	
	Saturday	IP	" 26E	1								18	100	5	95	2300	
	Weekly Totals	Days	Climate														

Project Mileage

Port- al to Portal	
End	
Wkly Start	
Net	

Accessibility of Property

Portage only	Days
4 Wheel	
Car	
Truck or Skiddo	

Quality of Ground Contact

No. of holes per Electrode	AMPERES
1	Min. 1
Depth	Max. ✓
1	Avg. 1R

Employee's name	Travel Morning	Break-down	Oper-ate	Stand-by	Rate 1	Rate 2
EDWARD CULLAGE	7					
PAUL ADAMS	7					

Attitude of: Crew Crew Chief Client

Good _____

Bad _____

Indifferent _____

If negative explain or Comments

Doug Hunter

White copy: Client

Yellow copy: Crew

Green Copy: Office

Crew Chief: BEIER G.F. Address & Tel: 4198 DUNDAS ST W 231-560

Client: NUINSCO Client Representative: DONG HUNTER

Project Name/No. CAMERON LK Twp. _____ Area KENORA Prov. ONT

PRODUCTION RECORD

Month	Date	Survey Method	Particulars Line No.	Operating	Travel	Bad Weather	Stand by	Equip B'down	Sundry	O'head	Time off	No. of Poles S P	on Spread in ft.	No. of Rds.	Total Rugs	Footage
MAY																
Sunday	24	IP	6W	1								27	100	5	135	3100
Monday	25	IP	8W	1								25	100	5	125	2900
Tuesday	26	IP	10W	1								25	100	5	125	2900
Wednesday	27	IP	12W	1								25	100	5	125	2900
Thursday	28	IP	14W	1								27	100	5	135	3100
Friday	29	IP	16W	1								28	100	5	140	3200
Saturday	30	IP	16W	1								27	100	5	135	3100
Weekly Totals	Days	Climate														

Project Mileage

Port- al to Portal	
End	
Wkly Start	
Net	

Accessibility of Property

Portage only	Days
4 Wheel	
Car	
Truck or Skiddo	

Quality of Ground Contact

No. of holes per Electrode	AMPERES
1	Min. 1
Depth	Max. ∞
2'	Avg. 1A

Employee's name	Travel Morning	Break-down	Oper- ate	Stand- by	Rate 1	Rate 2
EDWARD GULLAGE			7			
PAUL ADAMS			7			

Attitude of: Crew _____ Crew Chief _____ Client _____

Good _____
 Bad _____
 Indifferent _____

If negative explain or Comments _____

Dong Hunter

Crew Chief: BEIER GP Address & Tel: 4198 DUNDAS ST W

Client: NU INSCO Client Representative: ONG HUNTER

Project Name/No. CAMERON LK Twp. _____ Area KENORA Prov. ONT

PRODUCTION RECORD

Month	Date	Particulars	Opera-	Trav-	Bad	Stand-	Equip	Sundry	O'head	Time	No. of	No. of	No. of	Total	Footage	
MAY	JUNE	Survey Method	ting	el	Weath	by	B down			off	S	P	in ft.	Rdgs.	Rdgs/	
Sunday	31	IP 18W	1								21		100	5	95	2500
Monday	1	IP 18W A 22W	1								11		100	5	55	1500
Tuesday	2	IP 22W	1								26		100	5	130	3000
Wednesday	3	IP 20W	1								26		100	5	130	3000
Thursday	4	IP 20W	1								26		100	5	130	3000
Friday	5	IP 20 & 24W	1								6		100	5	30	800
Saturday	6	IP 24W	1								16		100	5	80	2000
Saturday	6	IP 24W	1								24		100	5	120	2400
Weekly Totals	Days	Climate														

Project Mileage

Port- al to Portal	
Wkly Start Net	

Accessibility of Property

Portage only	Days
4 Wheel	
Car	
Truck or Skiddo	

Quality of Ground Contact

No. of holes per Electrode	AMPERES
1	Min. 0.1
Depth	Max. ✓
2'	Avg. 14

Employee's name	Travel Morning	Break-down	Oper-ate	Stand-by	Rate 1	Rate 2
EDWARD GULLAGE						
PAUL ADAMS						

Attitude of: Crew Crew Chief Client

Good _____

Bad _____

Indifferent _____

If negative explain or Comments

Dong Hunter

- Instructions: - Please type or print.
- If number of mining claims traversed exceeds space on this form, attach a list.
- Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
- Do not use shaded areas below.

The Mining Act

Type of Survey(s) GEOCHEMICAL - ASSAYING	Township or Area ROWAN LAKE M-2580
Claim Holder(s) NUINSCO RESOURCES LIMITED STE 306 4198 DUNDAS STREET WEST ONT.	TORONTO Prospector's Licence No. T909
Survey Company CLAIM HOLDER	Survey Dates (linecutting to office) M8X 1Y6
Name and Address of Author (of Geo-Technical report) A.D. HUNTER, STE 306 4198 DUNDAS STREET WEST TORONTO ONT. M8X 1Y6	

Special Provisions Credits Requested

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

Mining Claims Traversed (List in numerical sequence)

Mining Claim			Expend. Days Cr.	Mining Claim			Expend. Days Cr.
Prefix	Number			Prefix	Number		
K	465353		19				

Man Days

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

Airborne Credits

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

Expenditures (excludes power stripping)

Type of Work Performed
Assaying - Au, Ag.

Performed on Claim(s)
XXXXXXX

K 465353

Calculation of Expenditure Days Credits		
Total Expenditures		Total Days Credits
\$ 290.00	+ 15 =	19

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.

Total number of mining claims covered by this report of work: **1**

Report Completed **for NUINSCO RESOURCES LTD.**

Date of Report
Nov. 17, 1981

Recorded Holder or Agent (Signature)
[Signature]

For Office Use Only

Total Days Cr. Recorded: **19**

Date Recorded: **DEC. 21. 81**

Date Approved as Recorded: *[Signature]*

Mining Recorder
[Signature]
Regional/Branch Director

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
A.D. HUNTER, STE. 306 4198 DUNDAS STREET WEST

TORONTO ONTARIO M8X 1Y6

Date Certified: **December 11, 1981**
Certified by (Signature): *[Signature]*

RECEIVED
JAN 28 1982
MINING LANDS SECTION

K-465069.
[Signature]

GEORGE BEIERG ASSOCIATES INC.

11 Moccasin Trail
North York - Don Mills
Ontario Ph.: 449-3117

Crew Chief: BEIER GF

Address & Tel: 4198 DUNDAS ST W 231-56

Client: NUINSCO

Client Representative: DOUG HUNTER

Project Name/No. CAMERON LK

Twp. _____

Area K3V6R17 Prov. ONT

PRODUCTION RECORD

Month	Date	Particulars	Opera-	Trav-	Bad	Stand-	Equip-	Sundry	Time	No. of	No. of	No. of	Total	Footage
JUNE		Survey Method	ting	el	Weather	by	B' down	O' head	Off	Poles	Spread	n	Rdgs.	Rdgs/
		Line No.								S	P			
Sunday	7	24w to 26w	1							16		5	30	200
Monday	8	26w	1							28	100	5	140	3200
Tuesday	9	28w	1							26	100	5	130	3000
Wednesday	10	I.P. Survey												
Thursday	11	Completed												
Friday	12													
Saturday	13													
Weekly Totals	Days	Climate												

Project Mileage

Port- al to Portal	
End	
Wkly Start	
Net	

Accessibility of Property

Portage only	Days
4 Wheel	
Car	
Truck or Skiddo	

Quality of Ground Contact

No. of holes per Electrode	AMPERES
1	Min. 1
Depth	Max. 2
2	Avg. 1A

3 nights Blading

Employee's name	Travel Morning	Break-down	Oper-ate	Stand-by	Rate 1	Rate 2
EDWARD GULLAGE						
PAUL ADAMS						

Attitude of: Crew Crew Chief Client

Good _____

Bad _____

Indifferent _____

If negative explain or Comments

Doug Hunter

White copy: Client

Yellow copy: Crew

Green Copy: Office

- CHEMICAL RESEARCH AND ANALYSIS
- CONTRACT LABORATORIES

TECHNICAL SERVICE LABORATORIES

DIVISION OF BURGNER TECHNICAL ENTERPRISES LIMITED

1301 FEWSTER DRIVE, MISSISSAUGA, ONT. L4W 1A2

TELEPHONE: (416) 625-1544

TELEX 06-960215

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Nuinsco Resources Ltd.
Suite 306,
4198 Dundas St. West
Toronto, Ont.
M6X 1Y6

Attn: Doug Hunter

REPORT No.

T 7111

Inv. #17177

SAMPLE(S) OF SPLIT CORE

<u>Samples</u>	<u>Gold (Au) ppm</u>	<u>Silver (Ag) ppm</u>	<u>Samples</u>	<u>Gold (Au) ppm</u>	<u>Silver (Ag) ppm</u>
2000	No Sample				
2001	<.05	4.0	2020	<.05	1.0
2002	<.05	2.3	2021	<.05	1.3
2003	<.05	.9	2022	<.05	.7
2004	<.05	1.0	2023	<.05	1.0
2005	<.05	1.1	2024	<.05	1.1
2006	<.05	1.2	2025	<.05	1.0
2007	<.05	1.1	2026	<.05	.8
2008	<.05	2.0	2027	<.05	.9
2009	<.05	.9	2028	<.05	1.0
2010	<.05	1.3	2029	<.05	.5
2011	<.05	1.2	2030	<.05	1.5
2012	<.05	1.1	2031	<.05	.8
2013	.06	.9	2032	<.05	1.4
2014	<.05	1.0	2033	<.05	1.5
2015	<.05	1.0	2034	.27	1.4
2016	.09	1.2	2035	<.05	1.1
2017	<.05	1.5	2036	.07	1.3
2018	<.05	1.6	2037	.30	1.3
2019	<.05	1.2	2038	.57	1.4
			2039	.25	1.4

Note: Au by Fire Assay.
Ag by AA.

*Apply assays 2001-2029 @ \$10.00 each
for expenditure credit doc# 465353*

plies. Pu!ps and Rejects discarded after two months

August 21st, 1981

SIGNED

[Signature]



TORONTO ONTARIO M8X 1Y6

Date Certified

December 11, 1981

Certified by (Signature)

[Signature]

THE ROYAL BANK OF CANADA

MAIN BRANCH
ROYAL BANK PLAZA
TORONTO, ONT.

January 22

82

No. 846

19

PAY TO THE
ORDER OF

Technical Service Laboratories Ltd.

3,114.83

EXACTLY THREE THOUSAND ONE HUNDRED AND EIGHTEEN AND 83/100 CENTS

100 DOLLARS

NUINSCO RESOURCES LIMITED

A. Douglas
Wilson

⑆00002⑆003⑆

245⑆796⑆8⑆

⑆00003⑆11483⑆

The \$290 assay amount included in this cheque, for 29 analyses @ \$10 each.
See TSL Certificate of Analysis attached and marked accordingly.

AL 808 91 23

ONTARIO CFC
ROYAL BANK

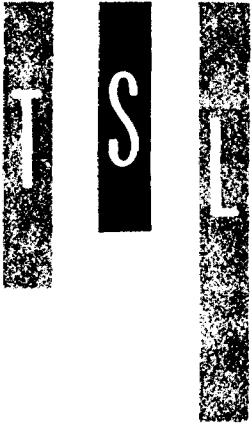
SEP 63

SEP 63

FOR DEPOSIT ONLY
TO THE CREDIT OF
BURGENER TECHNICAL ENTERPRISES
LIMITED

2711

TECHNICAL SERVICE CORPORATION



- CHEMICAL RESEARCH AND ANALYSIS
- CONTRACT LABORATORIES

TECHNICAL SERVICE LABORATORIES
DIVISION OF BURGNER TECHNICAL ENTERPRISES LIMITED

1301 FEWSTER DRIVE, MISSISSAUGA, ONT. L4W 1A2

TELEPHONE: (416) 625-1544
TELEX 06-960215

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Nuinsco Resources Ltd.
Suite 306,
4198 Dundas St. West
Toronto, Ont.
M6X 1Y6

REPORT No.
T 7111

Attn: Doug Hunter

Inv. #17177

SAMPLE(S) OF SPLIT CORE

<u>Samples</u>	<u>Gold (Au) ppm</u>	<u>Silver (Ag) ppm</u>	<u>Samples</u>	<u>Gold (Au) ppm</u>	<u>Silver (Ag) ppm</u>
2000	DD-1	No Sample	2020	<.05	1.0
2001	<.05	4.0	2021	<.05	1.3
2002	NC-1	2.3	2022	<.05	.7
2003	NC-2	.9	2023	<.05	1.0
2004	<.05	1.0	2024	<.05	1.1
2005	<.05	1.1	2025	<.05	1.0
2006	<.05	1.2	2026	<.05	.8
2007	<.05	1.1	2027	<.05	.9
2008	<.05	2.0	2028	<.05	1.0
2009	<.05	.9	2029	<.05	.5
2010	<.05	1.3	2030	<.05	1.5
2011	<.05	1.2	2031	<.05	.8
2012	<.05	1.1	2032	<.05	1.4
2013	.06	.9	2033	<.05	1.5
2014	<.05	1.0	2034	.27	1.4
2015	<.05	1.0	2035	<.05	1.1
2016	.09	1.2	2036	.07	1.3
2017	<.05	1.5	2037	.30	1.3
2018	<.05	1.6	2038	.57	1.4
2019	<.05	1.2	2039	.25	1.4

29 analyses
2/10 each.

NC-2

Note: Au by Fire Assay.
Ag by AA.

Samples, Pulps and Rejects discarded after two months

August 21st, 1981

DATE

SIGNED

[Signature]





Report of Work
(Geophysical, Geological,
Geochemical and Expenditures)

Instructions: - Please type or print.
- If number of mining claims traversed exceeds space on this form, attach a list.
Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
- Do not use shaded areas below.

The Mining Act

Type of Survey(s) GEOCHEMICAL - ASSAYING	Township or Area ROWAN LAKE M-2580
Claim Holder(s) NUINSCO RESOURCES LIMITED STE 306 4198 DUNDAS STREET WEST ONT.	TORONTO Prospector's Licence No. T909
Survey Company CLAIM HOLDER	Survey Dates (including to office) MBX 1Y6
Name and Address of Author (of Geo-Technical report) A.D. HUNTER, STE 306 4198 DUNDAS STREET WEST TORONTO ONT. MBX 1Y6	

Special Provisions Credits Requested

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

Mining Claims Traversed (List in numerical sequence)

Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
K	465353	19			
<i>cc Resident Geologist - Kenora</i>					
RECEIVED					
JAN 28 1982					
MINING LANDS SECTION					

Man Days

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

Airborne Credits

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

Expenditures (excludes power stripping)

Type of Work Performed
Assaying - Au, Ag.

Performed on Claim(s)
~~XXXXXXX~~
K 465353

Calculation of Expenditure Days Credits

Total Expenditures	÷	Total Days Credits
\$ 290.00	÷ 15	= 19

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.

Report Completed for **NUINSCO RESOURCES LTD.**

Date of Report
Nov. 17, 1981

Recorded Holder or Agent (Signature)
A.D. Hunter

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
19	DEC. 21. 81	<i>[Signature]</i>
	Date Approved/Recorded	Chief Mining Director
	83.05.19	<i>[Signature]</i>

Total number of mining claims covered by this report of work. **1**

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
A.D. HUNTER, STE. 306 4198 DUNDAS STREET WEST TORONTO ONTARIO M8X 1Y6

Date Certified
December 11, 1981

Certified by (Signature)
Doug Hunter

The Mining Act

Type of Survey(s) INDUCED POLARIZATION,	Township or Area ROWAN LAKE M-2580												
Claim Holder(s) NUINSCO RESOURCES LIMITED STE 306 4198 DUNDAS STREET WEST TORONTO ONTARIO M9X 1Y6	Prospector's Licence No. T909												
Survey Company G.F. BEIER ASSOCIATES INC. 11 MOCCASIN TRAIL DON MILLS ONT M3C 1Y5	Survey Dates (linecutting to office) <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td>07</td><td>05</td><td>81</td> <td>10</td><td>06</td><td>81</td> </tr> <tr> <td>Day</td><td>Mo.</td><td>Yr.</td> <td>Day</td><td>Mo.</td><td>Yr.</td> </tr> </table>	07	05	81	10	06	81	Day	Mo.	Yr.	Day	Mo.	Yr.
07	05	81	10	06	81								
Day	Mo.	Yr.	Day	Mo.	Yr.								
Name and Address of Author (of Geo-Technical report) A.D. HUNTER, STE 306 4198 DUNDAS STREET WEST TORONTO ONTARIO M8X 1Y6													

Special Provisions Credits Requested

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

Man Days

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

Airborne Credits

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

Expenditures (excludes power stripping)

Type of Work Performed

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.

Report Completed **FOR NUINSCO RESOURCES LTD.**

Date of Report **Nov. 27, 1981**

Recorded Holder or Agent (Signature)
A.D. Hunter

Mining Claims Traversed (List in numerical sequence)

Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
K	465069				
	465070				
	(46)				
	465351				
	465352				
	465353				
	(46)				
	465355				
	465356				
	(46)				
	519951				
	(46)				
	519952				
	(46)				
	519957				
	(46)				
	519962				
	(46)				
	519963				
	(46)				
	561023				

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JAN 28 1982

MINING LANDS SECTION

Total number of mining claims covered by this report of work. **13**

For Office Use Only

Total Days Cr. Recorded **260**

Date Recorded **Jan. 21, 82**

Date Approved or Recorded **83.05.19**

Mining Recorder *[Signature]*

Regional Director *[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
A.D. HUNTER, STE 306 4198 DUNDAS STREET WEST, TORONTO ONTARIO M8X 1Y6 K3B6B16

Date Certified **December 11, 1981**

Certified by (Signature)
A.D. Hunter

DUP

The Mining Act

Type of Survey(s) INDUCED POLARIZATION	Township or Area ROWAN LAKE M-2580
Claim Holder(s) NUINSCO RESOURCES LIMITED	Prospector's Licence No. T909
Survey Company STE 306 4198 DUNDAS STREET WEST TORONTO ONTARIO M9X 1Y6 G.F. BEIER ASSOCIATES INC. 11 MOCCASIN TRAIL	Total Miles of line Cut
Name and Address of Author (of Geo-Technical report) A.D. HUNTER, STE 306 4198 DUNDAS STREET WEST TORONTO ONTARIO M8X 1Y6	Survey Dates (linecutting to office) 07 05 81 10 06 81 Day Mo. Yr. Day Mo. Yr.

Special Provisions Credits Requested

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

Mining Claims Traversed (List in numerical sequence)

Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
K	465069				
	465070				
	(46)				
	465351				
	465352				
	465353				
	(46)				
	465355				
	465356				
	(46)				
	519951				
	(46)				
	519952				
	(46)				
	519957				
	(46)				
	519962				
	(46)				
	519963				
	(46)				
	561023				

Man Days

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

Airborne Credits

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

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures \$ ÷ 15 = Total Days Credits

RECEIVED

JAN 28 1982

MINING LANDS SECTION

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.

Report Completed **FOR NUINSCO RESOURCES LTD.**

Date of Report **Nov. 27, 1981**

Recorded Holder or Agent (Signature) *A.D. Hunter*

For Office Use Only

Total Days Cr. Recorded **260**

Date Recorded **Jan. 21. 82**

Date Approved as Recorded

Mining Recorder *[Signature]*

Regional/Branch Director

Total number of mining claims covered by this report of work. **13**

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
A.D. HUNTER, STE 306 4198 DUNDAS STREET WEST, TORONTO ONTARIO M8X 1Y6 K3B6B16

Date Certified **December 11, 1981**

Certified by (Signature) *A.D. Hunter*

The Mining Act

Type of Survey(s) GEOLOGICAL		Township or Area ROWAN LAKE M-2580	
Claim Holder(s) NUINSCO RESOURCES LIMITED		Prospector's Licence No. T909	
Address STE.306 4198 DUNDAS ST.W. TORONTO ONT. M8X 1Y6			
Survey Company CLAIM HOLDER	Survey Dates (linecutting to office) 28 05 81 01 07 81 Day Mo. Yr. Day Mo. Yr.		Total Miles of line Cut
Name and Address of Author (of Geo-Technical report) A.D. HUNTER, STE 306 4198 DUNDAS ST.W. TORONTO ONT. M8X 1Y6			

Special Provisions Credits Requested

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

Mining Claims Traversed (List in numerical sequence)

Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
K	386816		K	519953	
	386817			519962	
	386818			519963	
	386888			519964 ←	
	386889			519965	
	386895			(1/2) 519957	
	386896			(1/2) 561023	
	465069				
	465070				
	465071				
	465072				
	465073				
	465074				
	465075				
	465351				
	465352				
	465353				
	465354				
	465355				
	465356				
	465357				
	465358				
	519950				
	519951				
	519952				

Man Days

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

Airborne Credits

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

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures ÷ 15 = Total Days Credits

\$ ÷ 15 =

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.

Report Completed for **NUINSCO RESOURCES LTD.**

Date of Report **Nov. 27, 1981**

Recorded Holder or Agent (Signature)
A.D. Hunter

For Office Use Only

Total Days Cr. Recorded **640**

Date Recorded **JAN 21 82**

Date Approved as Recorded

Mining Recorder *[Signature]*

Regional/Branch Director

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JAN 28 1982

MINING LAND - SECTION

Total number of mining claims covered by this report of work. **32.**

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
A.D. HUNTER, STE 306 4198 DUNDAS STREET WEST TORONTO ONTARIO M8X 1Y6 K 386816

Date Certified **December 11, 1981**

Certified by (Signature)
Doug Hunter

The Mining Act

Note: - If number of mining claims traversed exceeds space on this form, attach a list.
- Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
- Do not use shaded areas below.

Type of Survey(s) MAGNETOMETER	Township or Area ROWAN LAKE AREA M-2580
Claim Holder(s) TORONTO ONT. NUINSCO RESOURCES LIMITED STE 306 4198 DUNDAS ST.W.M8X 1Y6	Prospector's Licence No. T909
Survey Company CLAIM HOLDER	Survey Dates (linecutting to office) 15 04 81 08 05 81 Day Mo. Yr. Day Mo. Yr.
Total Miles of line Cut 45	
Name and Address of Author (of Geo-Technical report) A.D. HUNTER, STE 306 4198 DUNDAS ST.WEST TORONTO ONTARIO M8X 1y6	

Special Provisions Credits Requested

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

Man Days

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

Airborne Credits

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

Expenditures (excludes power stripping)

Type of Work Performed

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.

Mining Claims Traversed (List in numerical sequence)

Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
K	386816		K	465354	
	386817			465355	
	386888			465356	
	386889			465357	
	386890			465358	
	386891			519950	
	386892			519951	
	386893			519952	
	386894			519953	
	386895			519954	
	386896			519955	
	386897			519956	
	386898			519957	
	386899			519958	
	386900			519959	
	465069			519960	
	465070			519961	
	465071			519962	
	465072			519963	
	465073			533901	
	465074			533902	
	465075			533903	
	465351			533907	
	465352			533908	
	465353			561023	

RECEIVED JAN 28 1982 MINING LANDS SECTION

Report Completed for **NUINSCO RESOURCES LTD.**

Date of Report: **Nov. 27, 1981**

Recorded Holder or Agent (Signature): *A.D. Hunter*

Total number of mining claims covered by this report of work: **50**

For Office Use Only

Total Days Cr. Recorded: **2000**

Date Recorded: **JAN 21 82**

Date Approved as Recorded: *[Signature]*

Mining Recorder: *[Signature]*

Regional/Branch Director: *[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: **A.D. HUNTER, STE 306 4198 DUNDAS ST.WEST TORONTO ONTARIO M8X 1Y6 K-386816**

Date Certified: **December 11, 1981**

Certified by (Signature): *A.D. Hunter*

	Mag.	I.P.	Geology		Mag.	I.P.	Geology	
K-386816	1/4		1/4	K-465354	3/4		3/4	
17	3/4		3/4	55	1/2	1/2	1/2	
386888			3/4	56	✓	✓	✓	
89	1/4		1/4	57	✓		✓	
90	1/2			465358	3/4		1/2	
91	3/4			519950	✓		✓	
92	✓			51	✓	✓	✓	
93	✓			52	✓	1/2	✓	
94	✓			53	✓		✓	
95	✓		✓	54	✓			
96	1/2		1/2	55	✓			
97	✓			56	✓			
98	✓			57	✓	1/2	✓	
99	1/2			58	✓			
386900	1/4			59	✓			
465069	✓	✓	✓	60	✓			
70	✓	1/2	✓	61	1/4			
71	✓		✓	62	✓	1/2	✓	
72	✓		✓	519963	1/4	✓	✓	
73	3/4		3/4	533901	✓			
74	1/4		1/4	02	3/4			
465075	✓		✓	03	1/2			
465351	✓	1/2	✓	07				
52	✓	✓	✓	08	1/2			
53	✓	✓	✓	561023	1/4	1/2	1/4	
	19/4	14/4	14/4		19/4	10/4	8/4	
			Mag.				I.P.	
			$(48 \times 40) \div (48 + \frac{38}{4})$				$(13 \times 20) \div (13 + \frac{14}{4})$	
			= 33.68				= 15.76	
			= 34 days				= 16 days	
Additional claims								
			GEOLGY				GEOLGY	
61 K-519964								
519965			1/4				$(31 \times 20) \div (31 + \frac{24}{4})$	
386818			1/4				= 16.76	
			3/4				= 17 days	

I.P. - Full credits of 20 days assessed, due to

completeness of I.P. method.

Dennis Kinvi

AREA OF
ROWAN LAKE
DISTRICT OF
KENORA
KENORA
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 |
| PATENTED S.R.O. | ⊖ |

NOTES

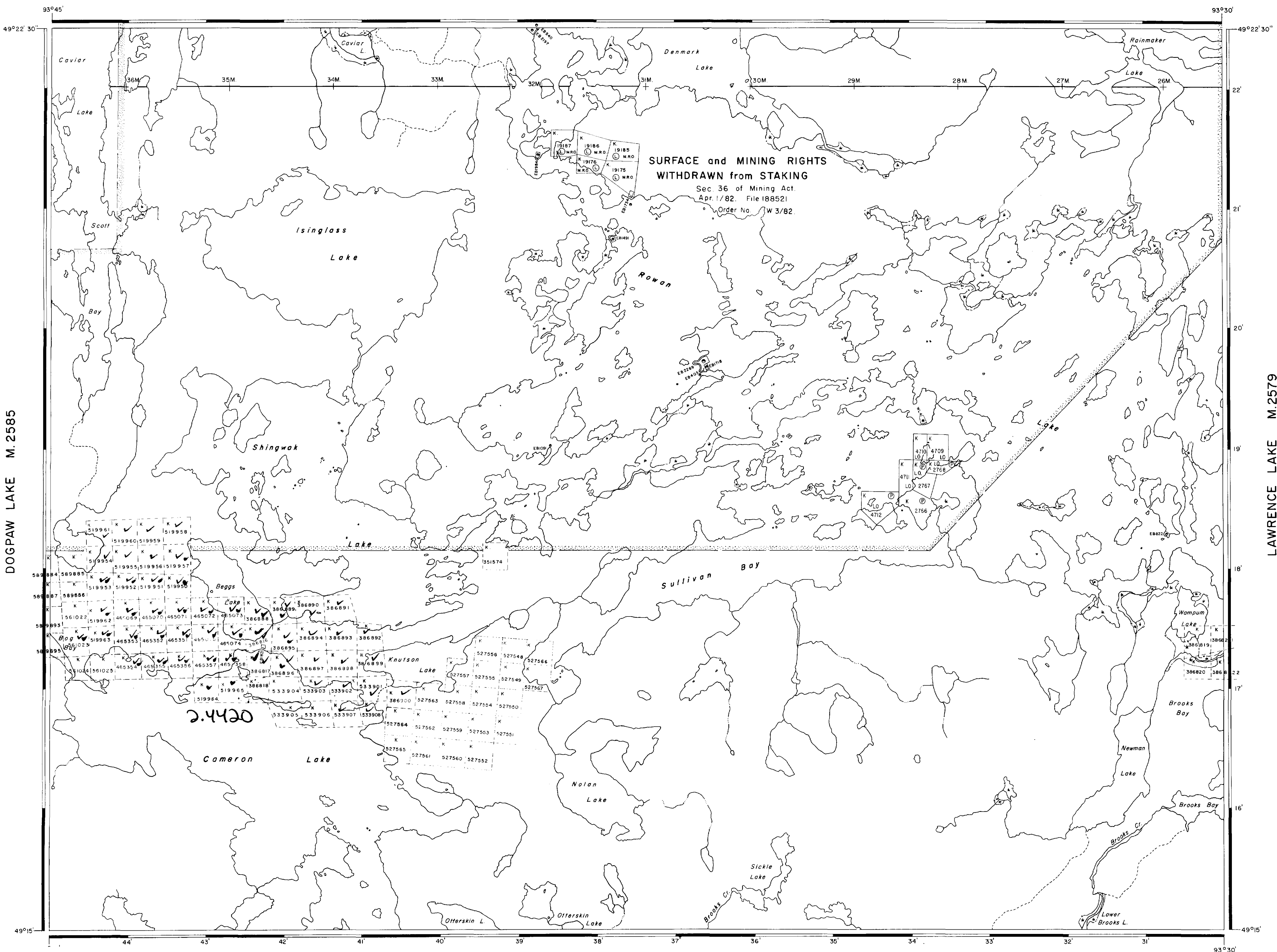
400' Surface Rights Reservation along the shores of all lakes and rivers.

DATE OF ISSUE
NOV 20 1982
Ministry of Natural Resources
TORONTO

NATIONAL TOPOGRAPHIC SERIES 52F5

PLAN NO. **M.2580**

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

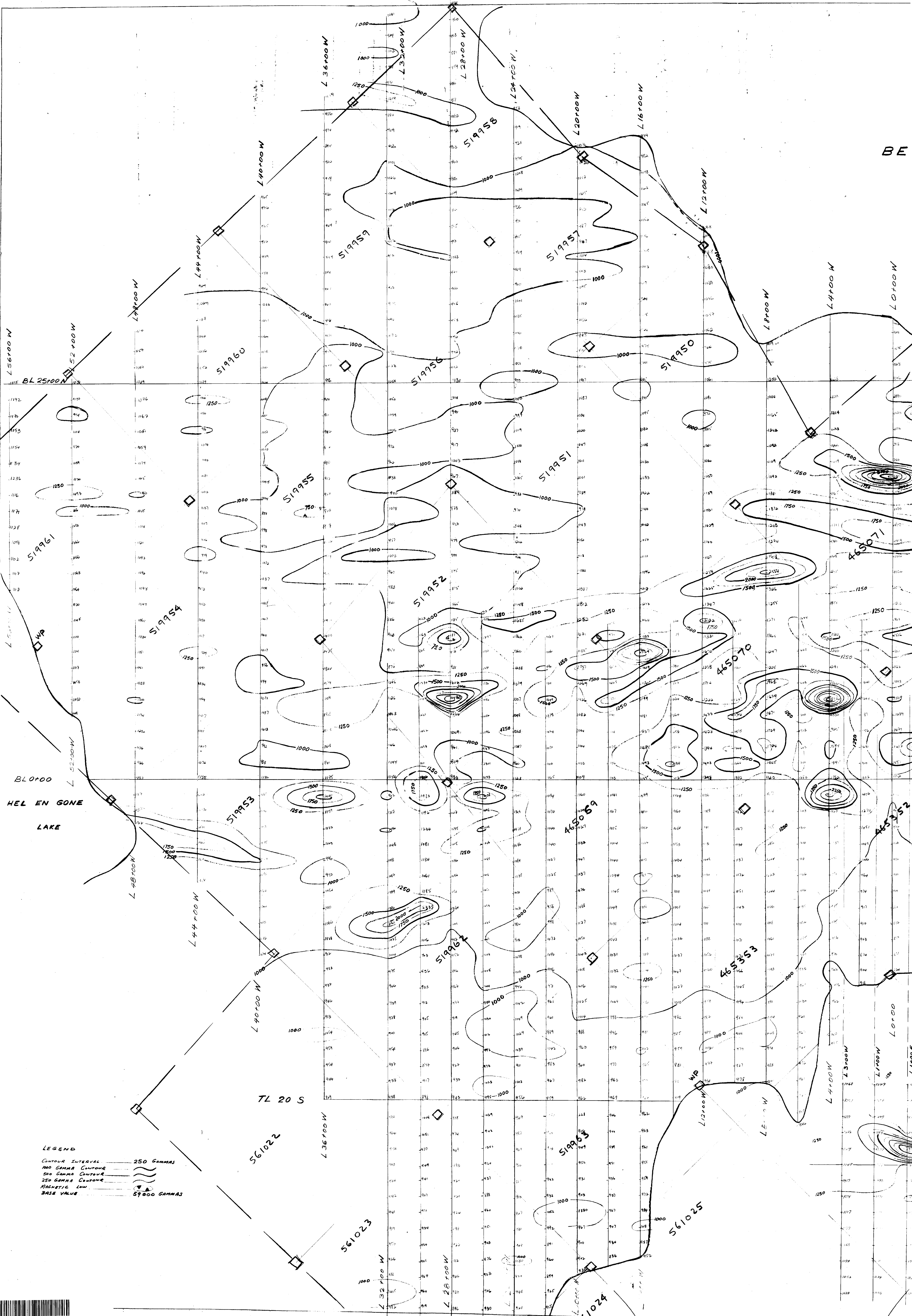


DOGPAW LAKE M. 2585

LAWRENCE LAKE M. 2579



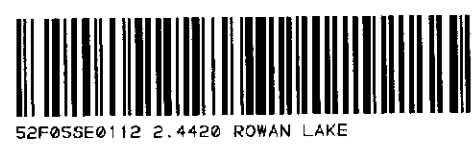
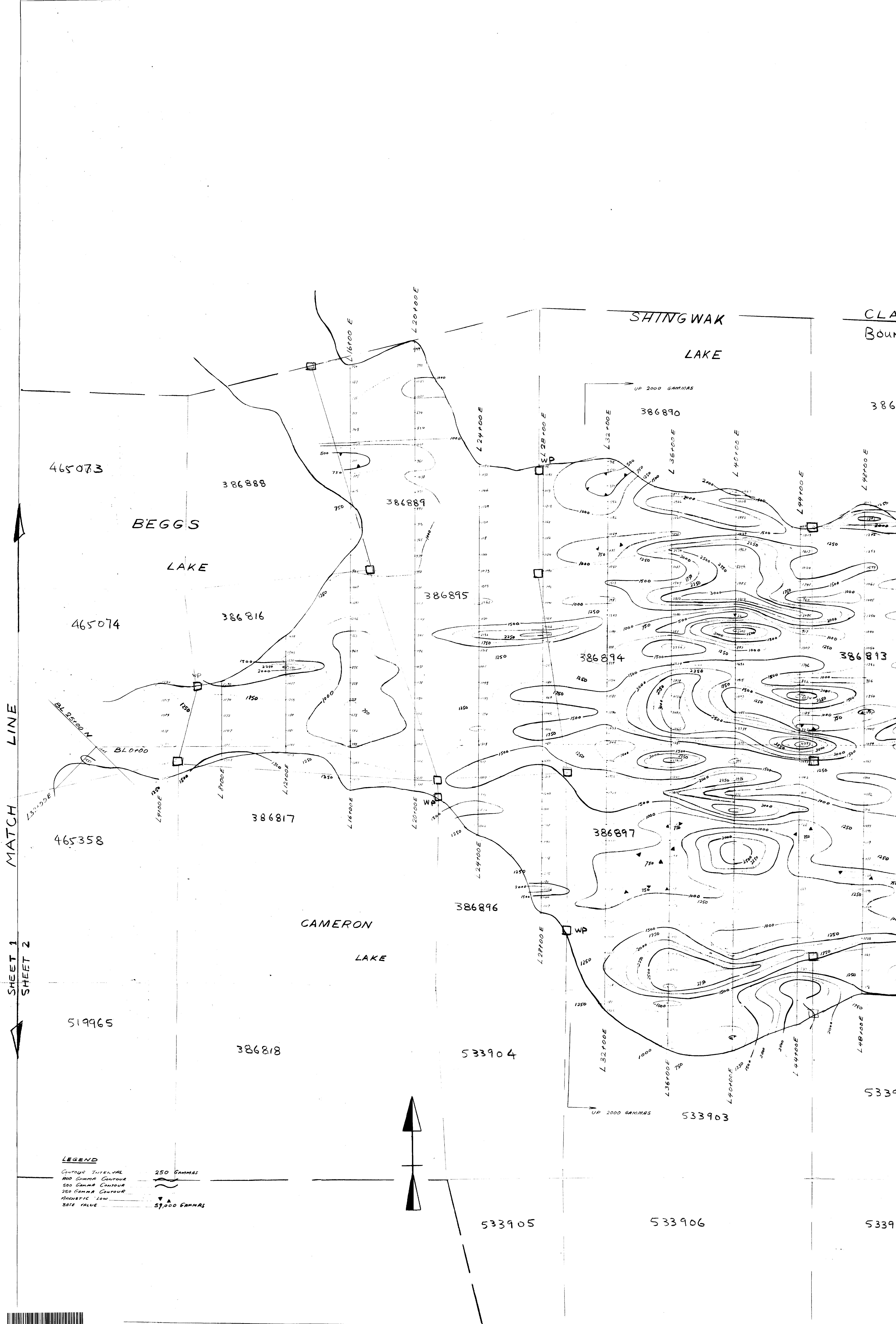
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LEGEND

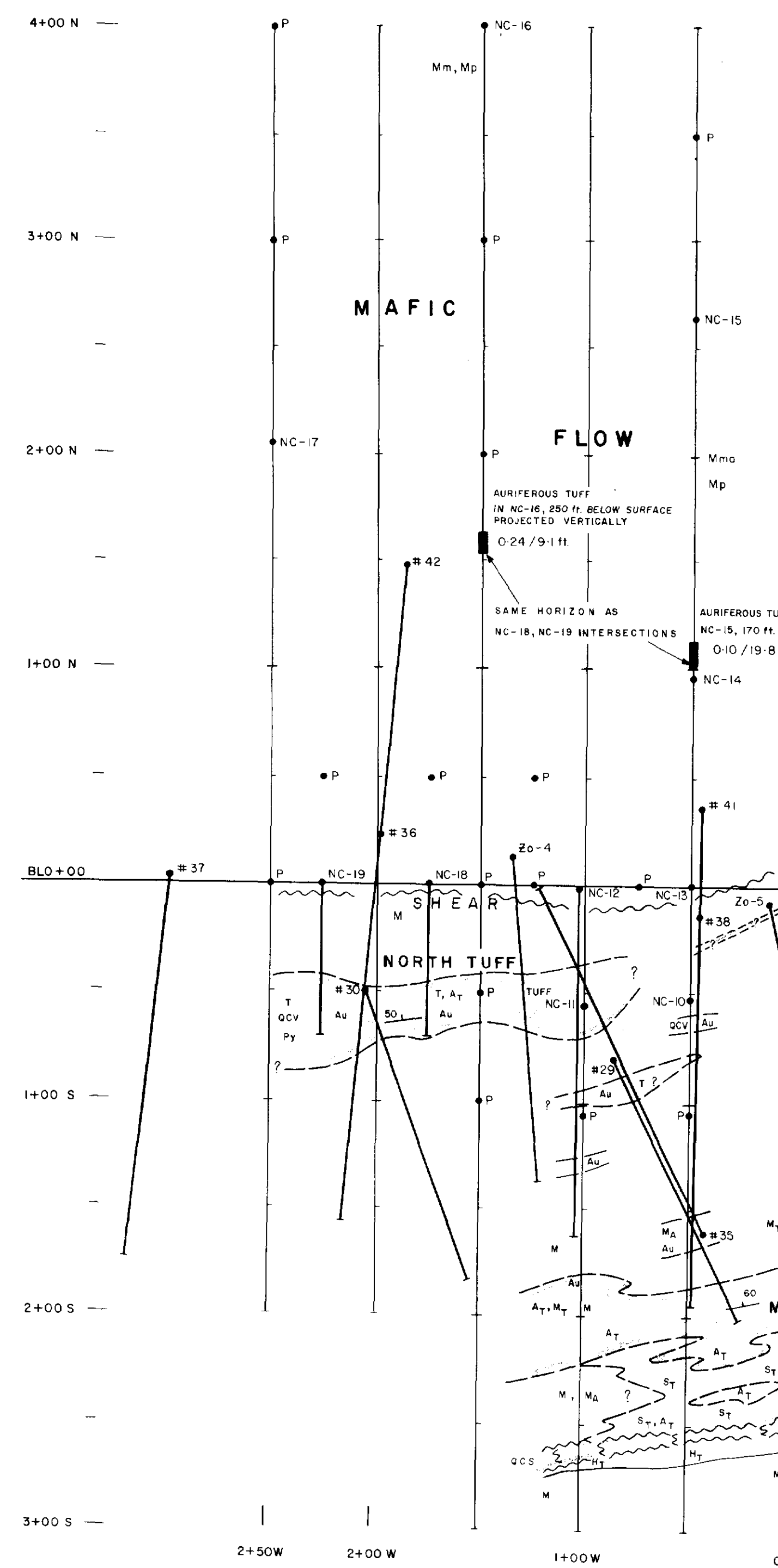
- CONTOUR INTERVAL 250 GAMMAS
- 100 GAMMA CONTOUR
- 500 GAMMA CONTOUR
- 250 GAMMA CONTOUR
- MAGNETIC LOW
- BASE VALUE 59000 GAMMAS

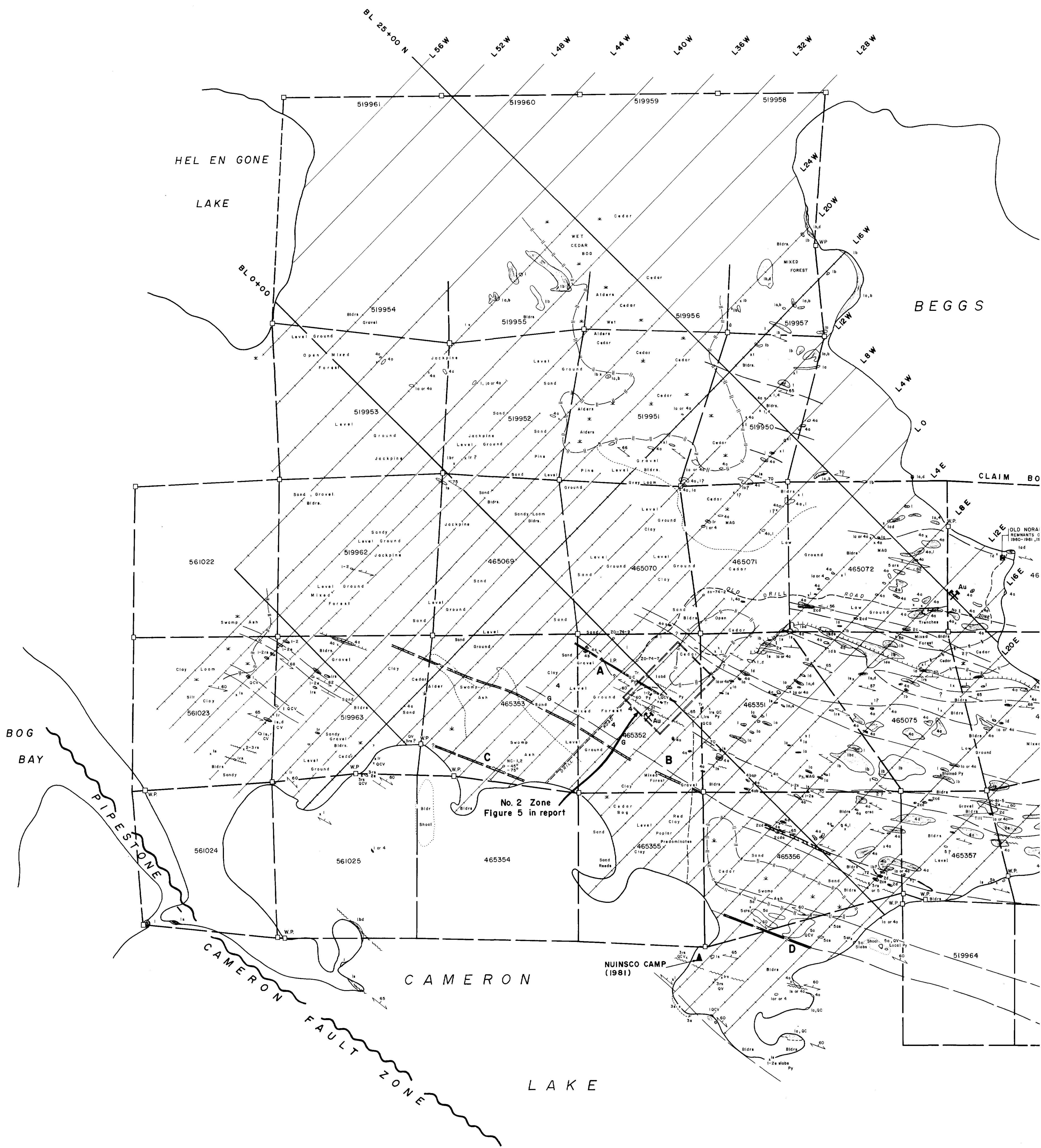




LEGEND

- M MAFIC VOLCANIC ROCK, UNDIFFERENTIATED
- Mp PILLOW LAVA
- Mm MASSIVE LAVA
- Mt MAFIC TUFF
- Ma ALTERED MAFIC VOLCANIC ROCK
- Mmo AMYGDALOIDAL MASSIVE LAVA
- G GABBRO
- Py PYRITE
- T TUFFACEOUS ROCKS
- At YELLOW SERICITE-CARBONATE-HIGH PYRITIC TUFF-EXHALITE, WELL BEDDED
- Ht HEMATITIC SERICITIC TUFF
- St GREEN 'SPECKLED TUFF'
- CCS QUARTZ-CARBONATE STRINGERS
- OCV QUARTZ-CARBONATE VEINS
- Au GOLD PROSPECT
- #41 NORANDA DDH, 1960-1961
- Zc-4 NORANDA-ZAMBY OPTION DDH, 1974
- NC-3 NIUNSCO DDH, 1981
- P PROPOSED DDH, NIUNSCO
- BEDDING ATTITUDE
- FOLIATION ATTITUDE
- GEOLOGIC CONTACT INTERPRETED
- SHEARED ZONE

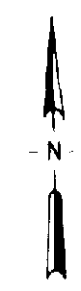


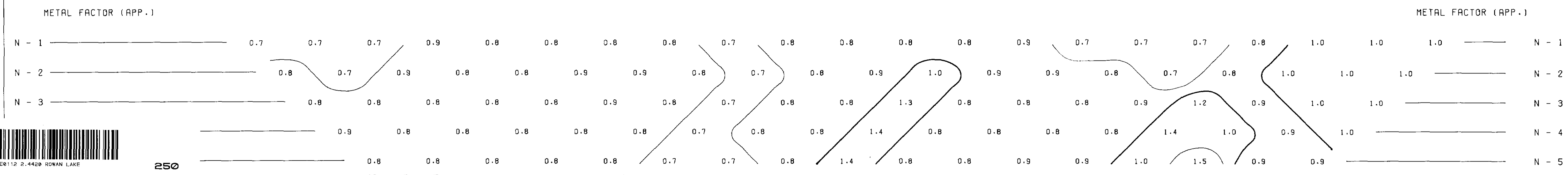
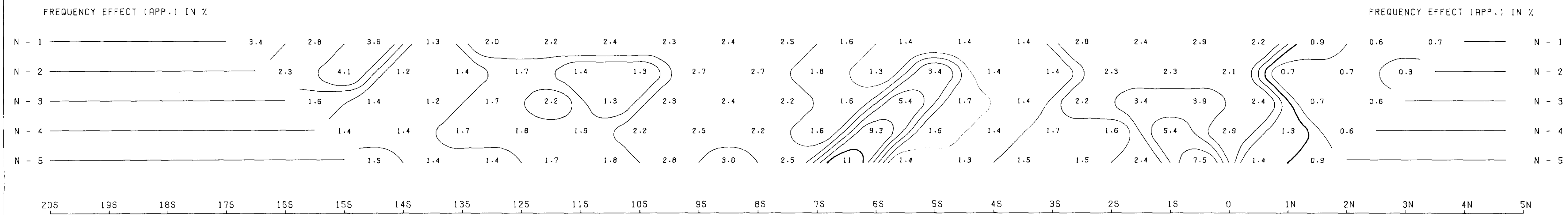
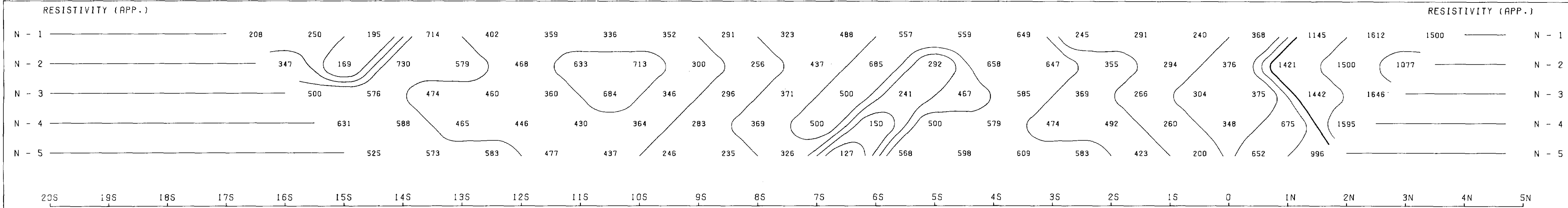


LEGEND

- 5** FELSIC INTRUSIVE ROCKS
 - a QUARTZ-EYE SERICITE SCHIST
 - b QUARTZ-FELDSPAR PORPHYRY
 - r PERVASIVELY CARBONATIZED SCHIST-PHYLLITE
- 4** MAFIC INTRUSIVE ROCKS
 - c GABBRO
 - p DIORITE
 - b PEGMATITE
 - q QUARTZ-BEARING
- 3** FELSIC VOLCANIC ROCKS, UNSUBDIVIDED
 - r PERVASIVELY CARBONATIZED SCHIST-PHYLLITE
 - t BEDDED CALCAREOUS, PYRITIC TUFF
- 2** INTERMEDIATE VOLCANIC ROCKS, UNSUBDIVIDED
 - a MASSIVE FELDSPATHIC LAVA
 - b MASSIVE FELDSPATHIC TUFF
 - c BEDDED FELDSPATHIC TUFF
 - d LAPILLI TUFF, TUFF BRECCIA
 - e THIN BEDDED 'CHERTY' ASH-TUFF
 - q QUARTZ PHENOCRYSTS
- 1** MAFIC VOLCANIC ROCKS, UNSUBDIVIDED
 - a MASSIVE LAVA
 - b PILLOW LAVA
 - c FRAGMENTAL LAVA-PILLOW BRECCIA
 - d AMYGDALOIDAL LAVA
 - e TUFF, 'SLATEY' TUFF
 - r PERVASIVELY CARBONATIZED SCHIST-PHYLLITE

- SMALL BEDROCK OUTCROP, LARGE BEDROCK OUTCROP
- AREA OF CEDAR SWAMP OR A BOG
- APPROXIMATE BOUNDARY OF OUTCROP AREA WITH DRIFT COVERED AREA
- GEOLOGICAL BOUNDARY (APPROXIMATE)
- GEOLOGICAL BOUNDARY, INTERPRETED FROM GEOPHYSICS
- BEDDING ATTITUDE, DIRECTION OF TOPS UNKNOWN
- FOLIATION ATTITUDE, DIP KNOWN, DIP INDETERMINABLE
- ZONE OF SHEARINGS, DIRECTION OF DIP INDICATED
- DIAMOND DRILL HOLE, INCLINATION AND AZIMUTH SHOWN
Z₀ - ZAHAVY OPTION; NC - NUINSCO CAMERON LAKE
- GOLD PROSPECT
- CLAIM POST AND NUMBER
- WITNESS CLAIM POST
- I.P. RESISTIVITY LOW, N=5
- PROMINENT ROCK RIDGE
- PYRITE
- MAGNETITE
- TRENCH
- QUARTZ-CARBONATE VEINS, STRINGERS
- CARBONATE VEIN, QUARTZ VEINS





NUINSCO RESOURCES LTD.

CAMERON LAKE PROJECT
BASELINE 0+00

LINE NO.-- 26+00E

NOTE: CONTOURS AT
LOGARITHMIC INTERVALS
1.-1.5-2.-3.-5.-7.5-10

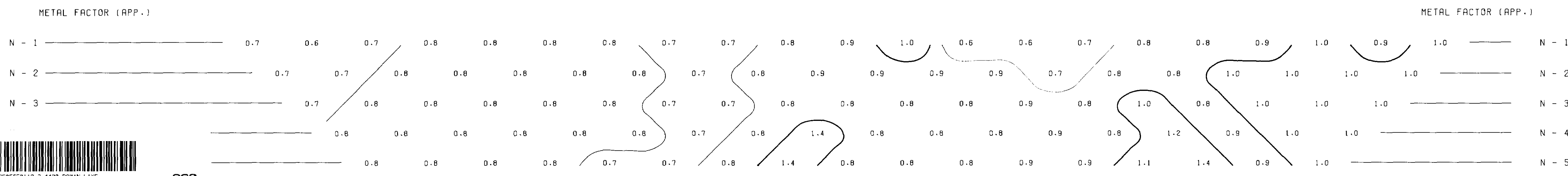
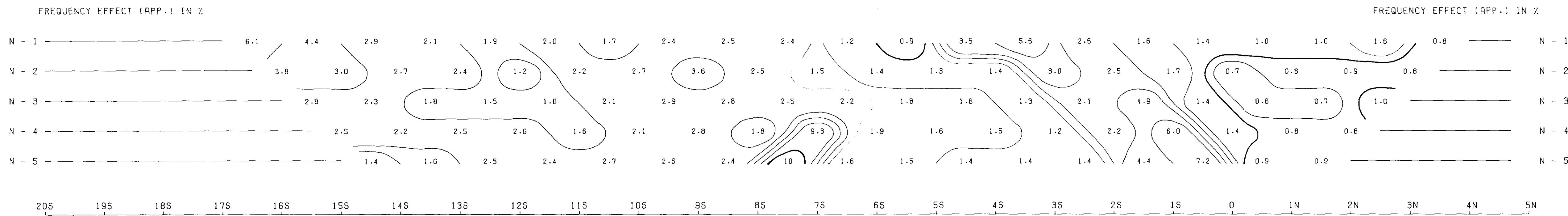
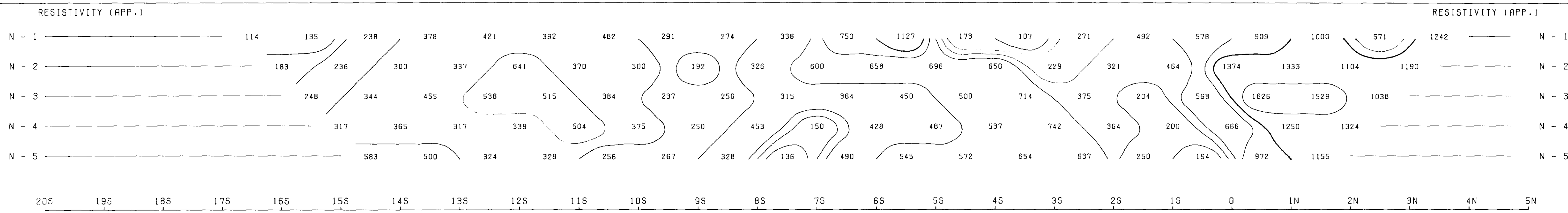
DATE SURVEYED: MAY 1981

FREQUENCIES: 0.31-5.0 HZ

[Signature]

INDUCED POLARIZATION AND RESISTIVITY SURVEY





NUINSCO RESOURCES LTD.

CAMERON LAKE PROJECT
BASELINE 0+00

LINE NO.- 24+00E

NOTE: CONTOURS AT LOGARITHMIC INTERVALS 1.-1.5-2.-3.-5.-7.5-10

DATE SURVEYED: MAY 1981

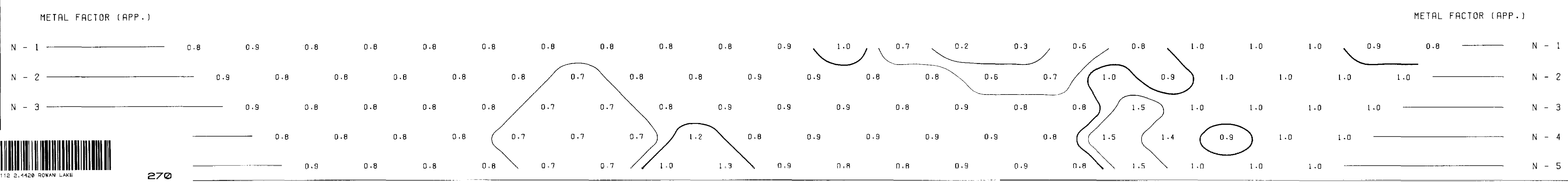
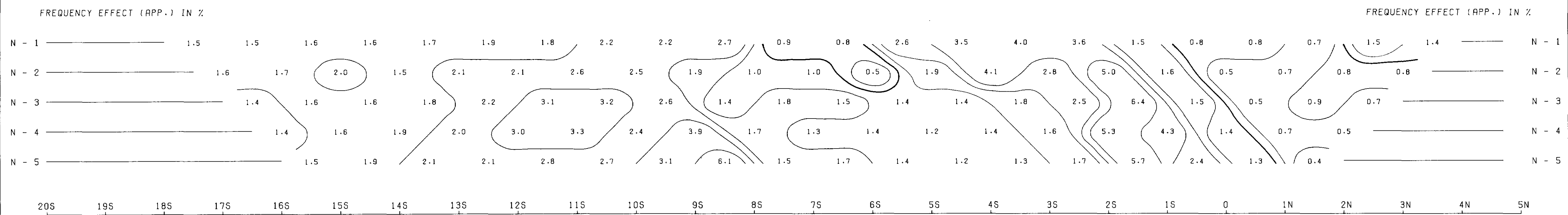
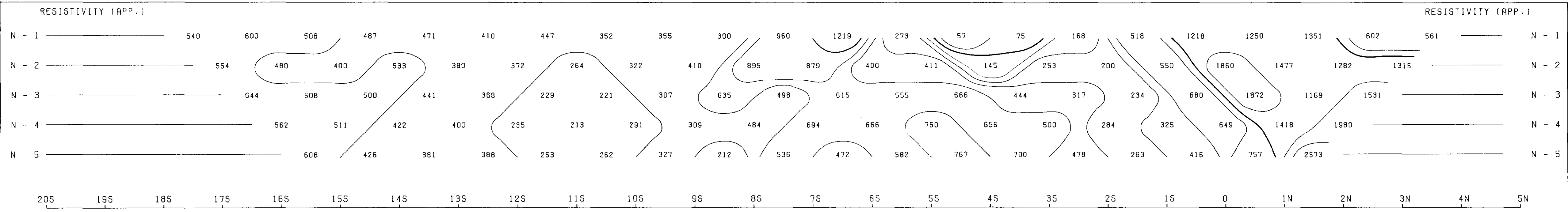
FREQUENCIES: 0.31-5.0 HZ

Doug H. ...

INDUCED POLARIZATION AND RESISTIVITY SURVEY

24120





NUINSCO RESOURCES LTD.

CAMERON LAKE PROJECT
BASELINE 0+00

LINE NO. - 22+00E

NOTE: CONTOURS AT
LOGARITHMIC INTERVALS
1.-1.5-2.-3.-5.-7.5-10

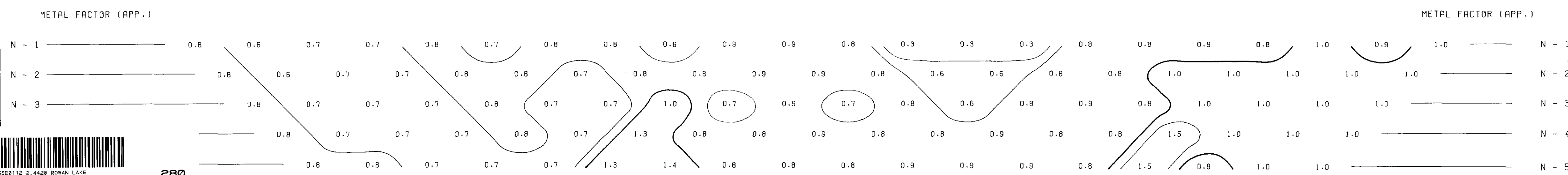
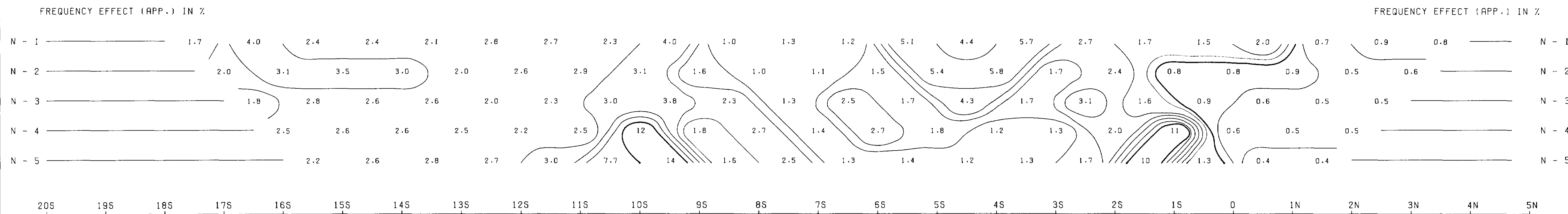
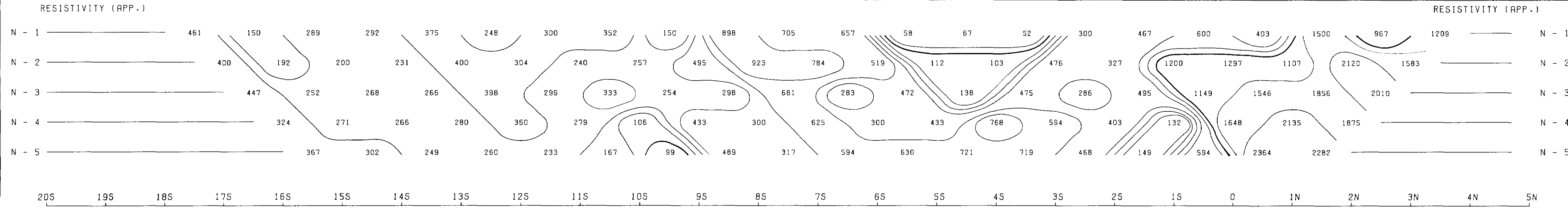
DATE SURVEYED: MAY 1981
FREQUENCIES: 0.31-5.0 HZ

Doug L. ...

INDUCED POLARIZATION AND RESISTIVITY SURVEY

2/4/20





NUINSCO RESOURCES LTD.

CAMERON LAKE PROJECT
BASELINE 0+00

LINE NO. - 20+00E

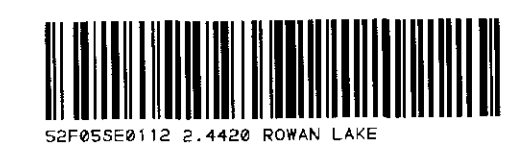
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LOGARITHMIC INTERVALS
1.-1.5-2.-3.-5.-7.5-10

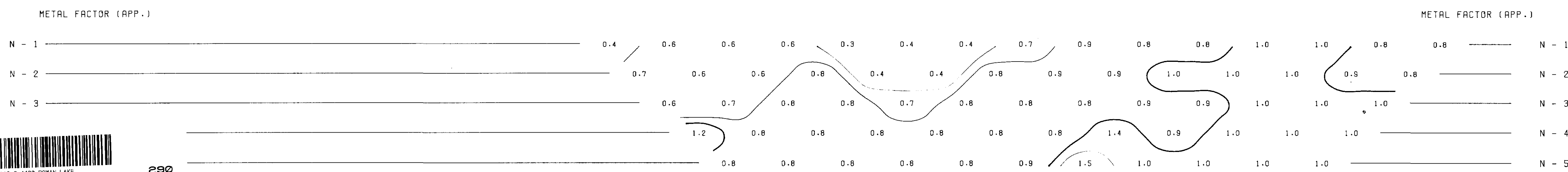
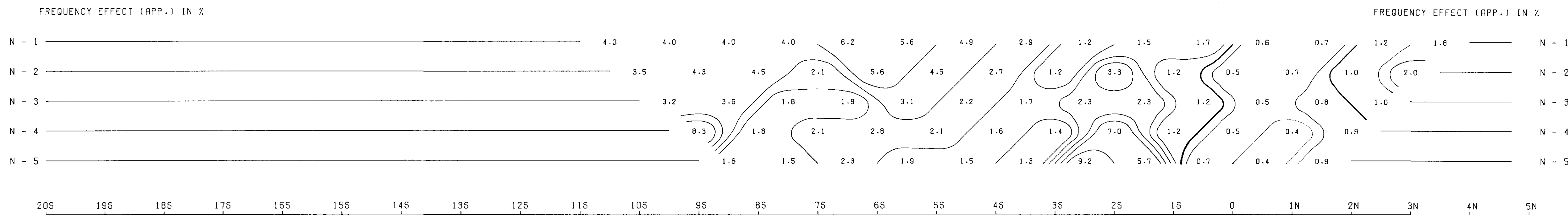
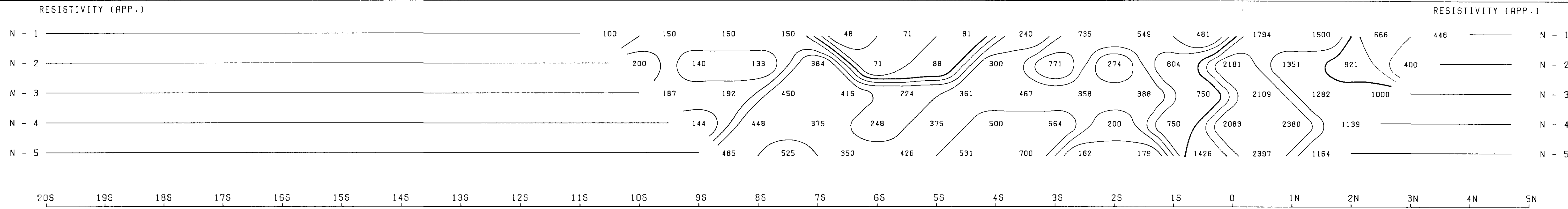
DATE SURVEYED: MAY 1981

FREQUENCIES: 0.31-5.0 HZ

INDUCED POLARIZATION AND RESISTIVITY SURVEY

2.4420





NUINSCO RESOURCES LTD.

CAMERON LAKE PROJECT
BASELINE 0+00

LINE NO. - 18+00E

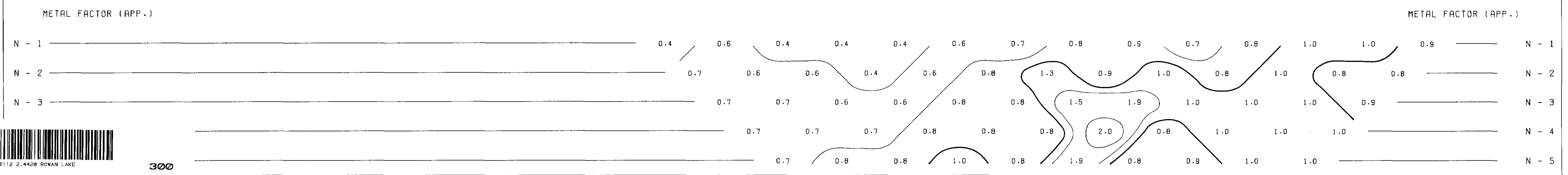
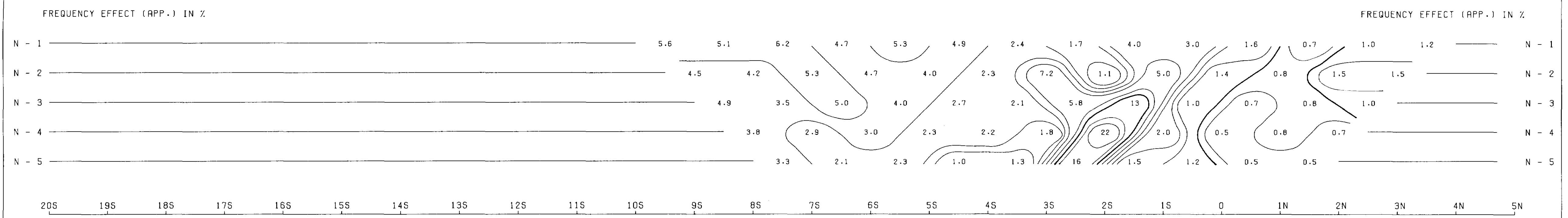
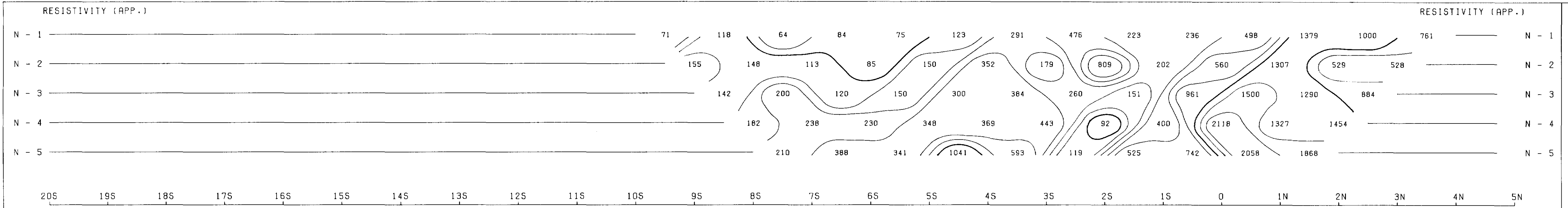
NOTE: CONTOURS AT
LOGARITHMIC INTERVALS
1.-1.5-2.-3.-5.-7.5-10

DATE SURVEYED: MAY 1981
FREQUENCIES: 0.31-5.0 HZ

INDUCED POLARIZATION AND RESISTIVITY SURVEY

24420





NUINSCO RESOURCES LTD.

CAMERON LAKE PROJECT
BASELINE 0+00

LINE NO.- 16+00E

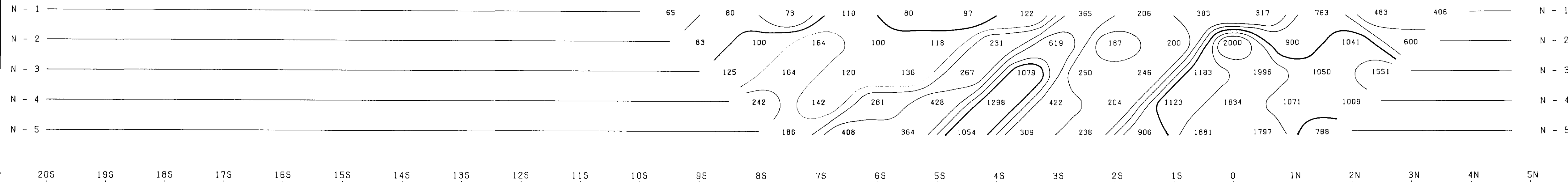
NOTE: CONTOURS AT LOGARITHMIC INTERVALS 1.-1.5-2.-3.-5.-7.5-10
DATE SURVEYED: MAY 1981
FREQUENCIES: 0.31-5.0 HZ

INDUCED POLARIZATION AND RESISTIVITY SURVEY
2/4/20



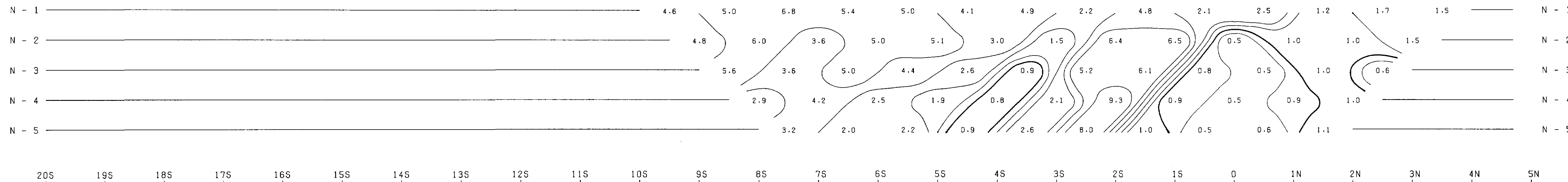
RESISTIVITY (APP.)

RESISTIVITY (APP.)



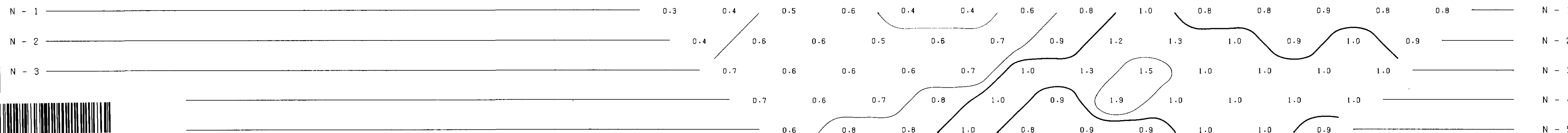
FREQUENCY EFFECT (APP.) IN %

FREQUENCY EFFECT (APP.) IN %



METAL FACTOR (APP.)

METAL FACTOR (APP.)



NUINSCO RESOURCES LTD.

CAMERON LAKE PROJECT
BASELINE 0+00

LINE NO.- 14+00E

NOTE: CONTOURS AT
LOGARITHMIC INTERVALS
1.-1.5-2.-3.-5.-7.5-10

DATE SURVEYED: MAY 1981

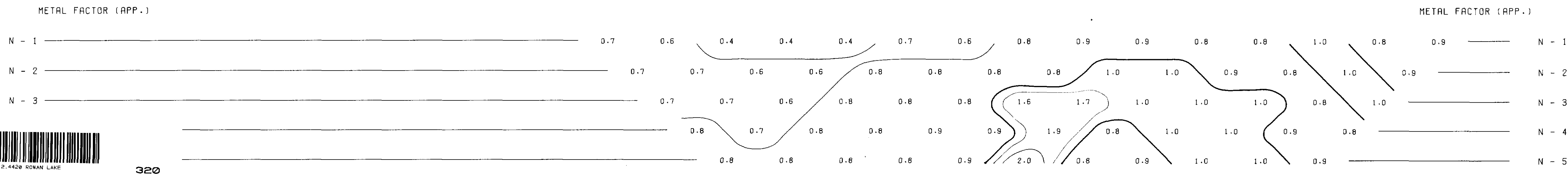
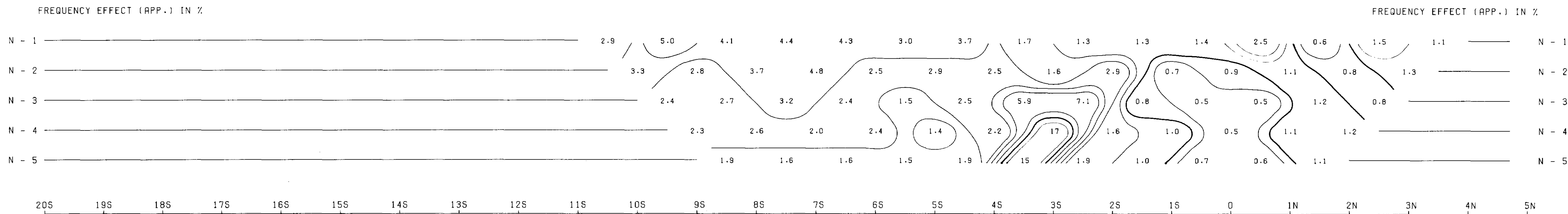
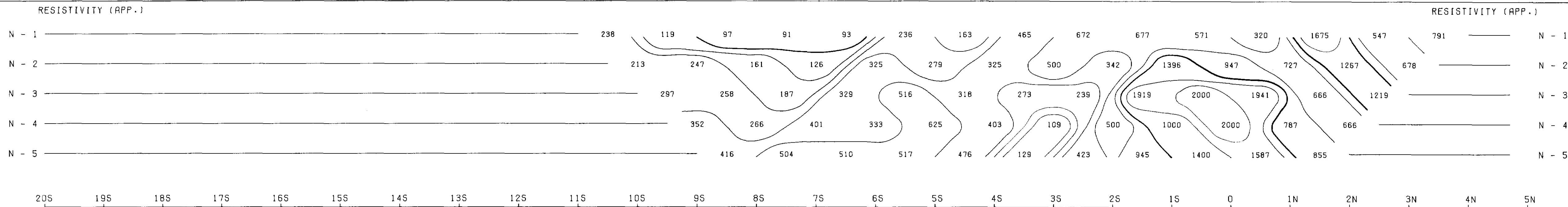
FREQUENCIES: 0.31-5.0 HZ

Donald H. ...

INDUCED POLARIZATION AND RESISTIVITY SURVEY

24420





NUINSCO RESOURCES LTD.

CAMERON LAKE PROJECT
BASELINE 0+00

LINE NO.- 12+00E

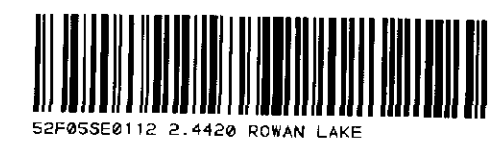
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1.-1.5-2.-3.-5.-7.5-10

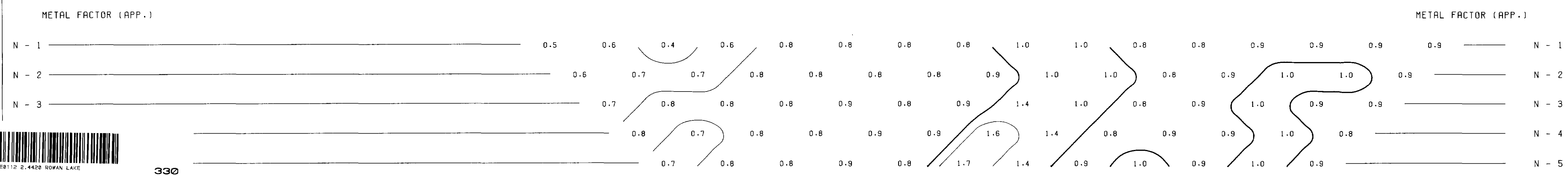
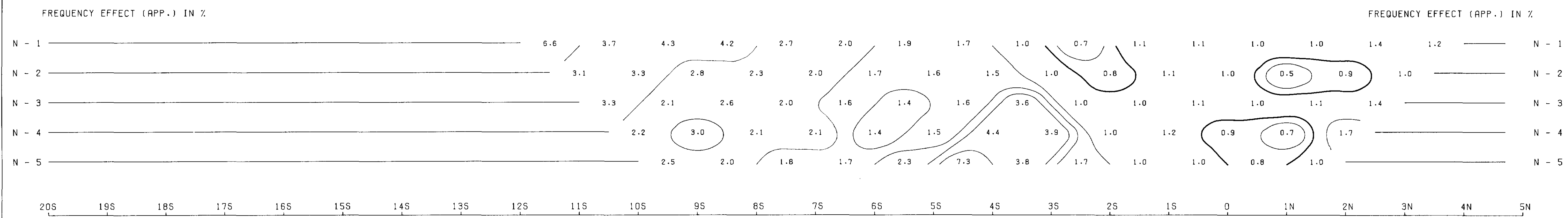
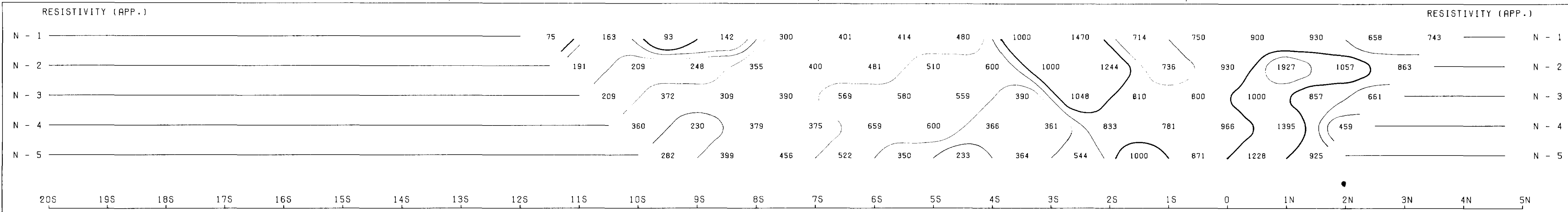
DATE SURVEYED: MAY 1981
FREQUENCIES: 0.31-5.0 HZ

Doug White

INDUCED POLARIZATION AND RESISTIVITY SURVEY

2/8/81





NUINSCO RESOURCES LTD.

CAMERON LAKE PROJECT
BASELINE 0+00

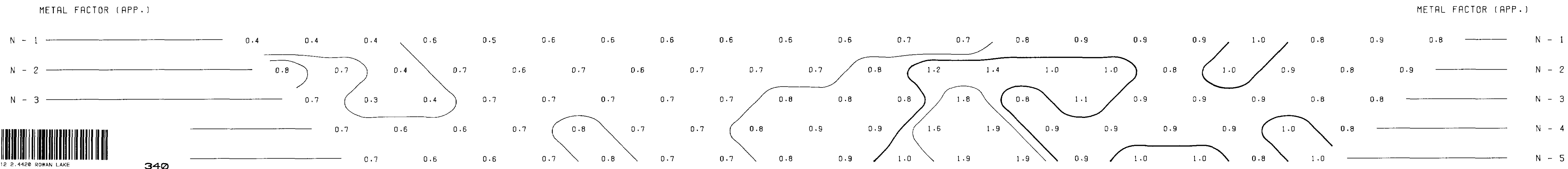
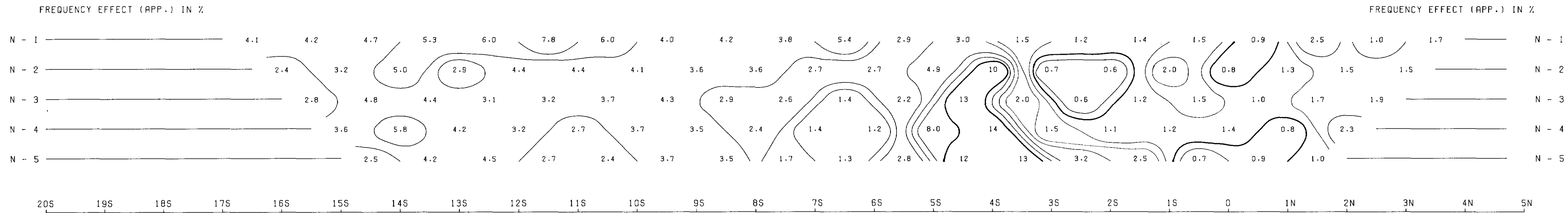
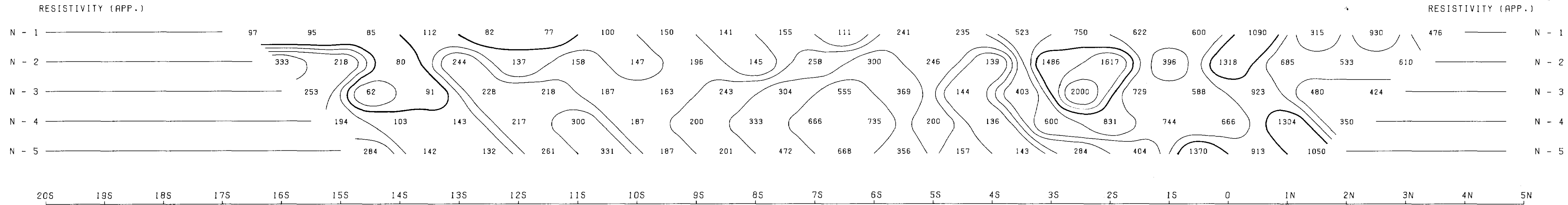
LINE NO. - 10+00E

NOTE: CONTOURS AT
LOGARITHMIC INTERVALS
1.-1.5-2.-3.-5.-7.5-10

DATE SURVEYED: MAY 1981
FREQUENCIES: 0.31-5.0 HZ

INDUCED POLARIZATION AND RESISTIVITY SURVEY
24420





NUINSCO RESOURCES LTD.

CAMERON LAKE PROJECT
BASELINE 0+00

LINE NO. - 8+00E

NOTE: CONTOURS AT LOGARITHMIC INTERVALS
1.-1.5-2.-3.-5.-7.5-10

DATE SURVEYED: MAY 1981

FREQUENCIES: 0.31-5.0 HZ

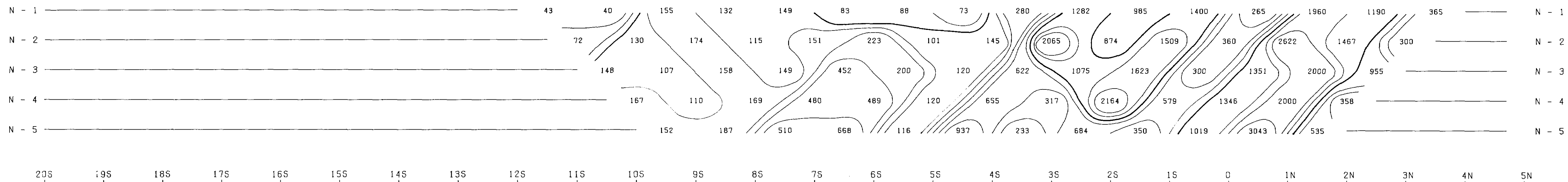
Doug...

INDUCED POLARIZATION AND RESISTIVITY SURVEY



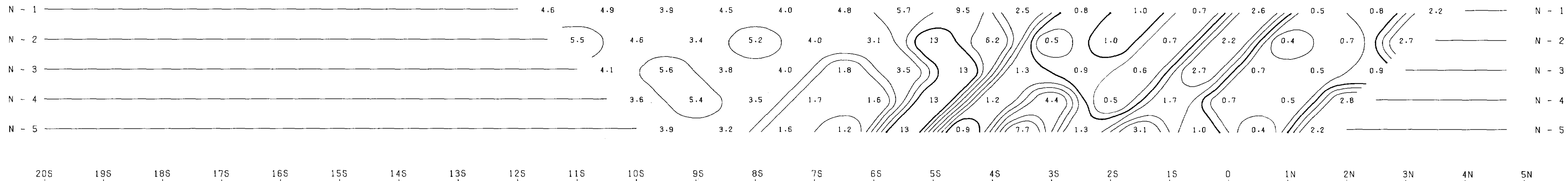
RESISTIVITY (APP.)

RESISTIVITY (APP.)



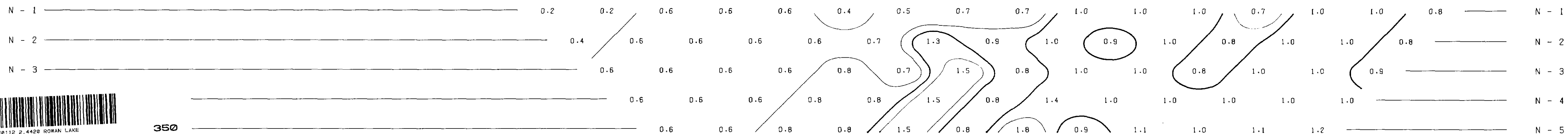
FREQUENCY EFFECT (APP.) IN %

FREQUENCY EFFECT (APP.) IN %



METAL FACTOR (APP.)

METAL FACTOR (APP.)



NUINSCO RESOURCES LTD.

CAMERON LAKE PROJECT
BASELINE 0+00

LINE NO.- 6+00E

NOTE: CONTOURS AT
LOGARITHMIC INTERVALS
1.-1.5-2.-3.-5.-7.5-10

DATE SURVEYED: MAY 1981

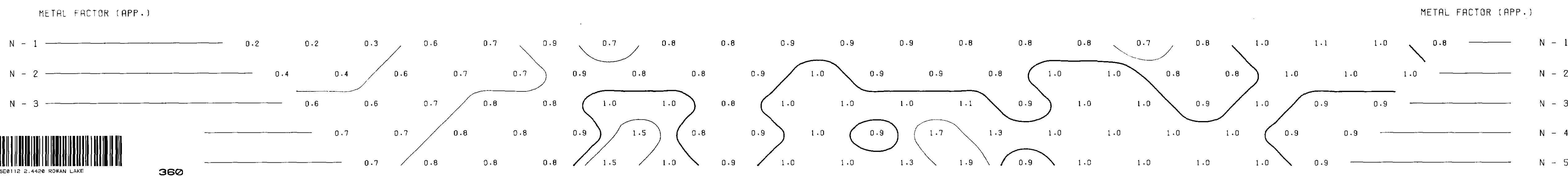
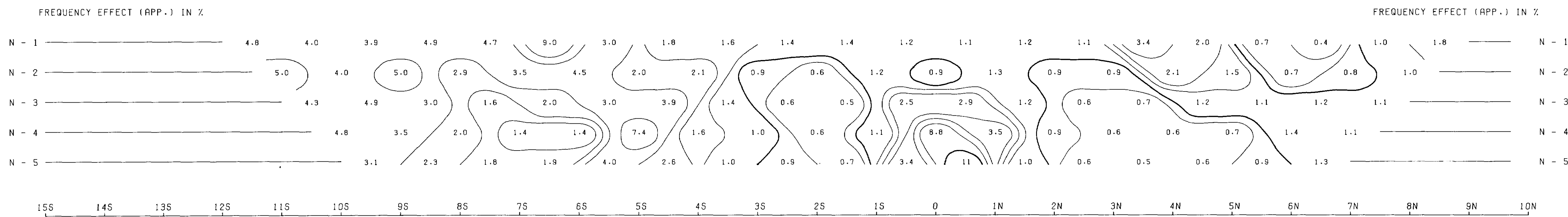
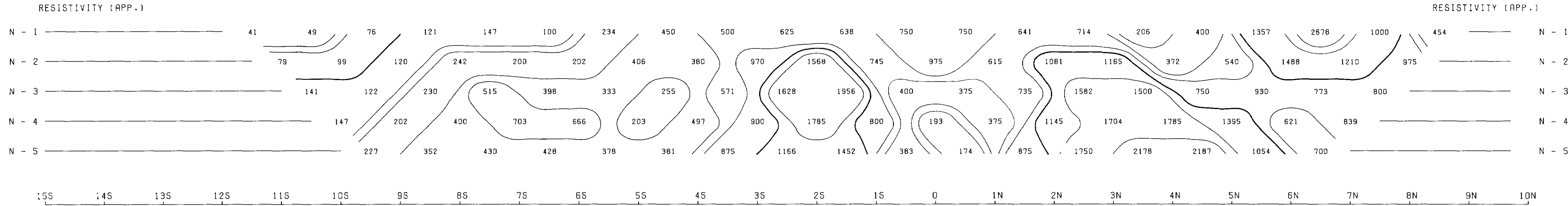
FREQUENCIES: 0.31-5.0 HZ

INDUCED POLARIZATION AND RESISTIVITY SURVEY

24420



350



NUINSCO RESOURCES LTD.

CAMERON LAKE PROJECT
BASELINE 0+00

LINE NO. - 4+00E

NOTE: CONTOURS AT
LOGARITHMIC INTERVALS
1.-1.5-2.-3.-5.-7.5-10

DATE SURVEYED: MAY 1981

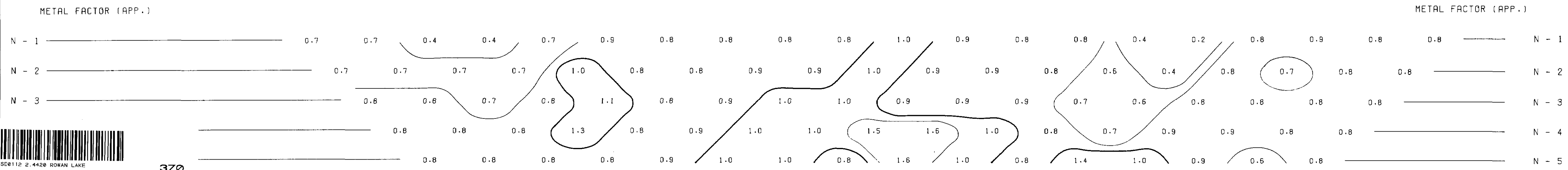
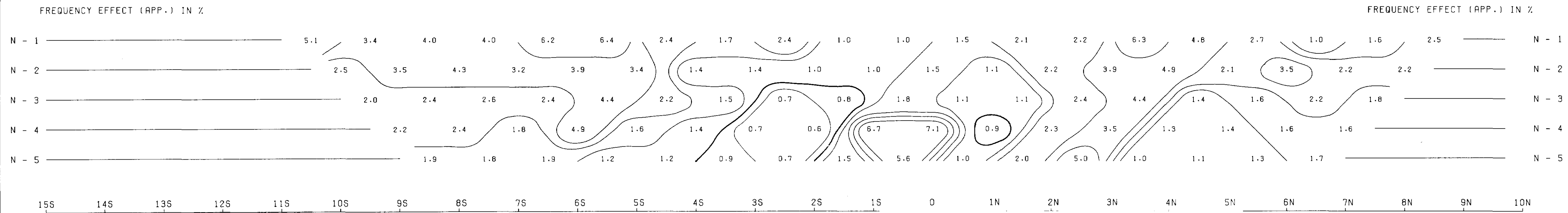
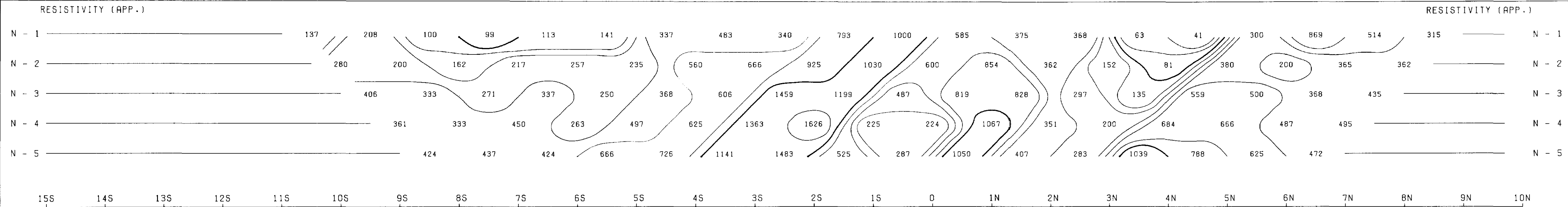
FREQUENCIES: 0.31-5.0 HZ

Doug A. ...

INDUCED POLARIZATION AND RESISTIVITY SURVEY

8.4420





NUINSCO RESOURCES LTD.

CAMERON LAKE PROJECT
BASELINE 0+00

LINE NO. - 2+00E

NOTE: CONTOURS AT
LOGARITHMIC INTERVALS
1.-1.5-2.-3.-5.-7.5-10

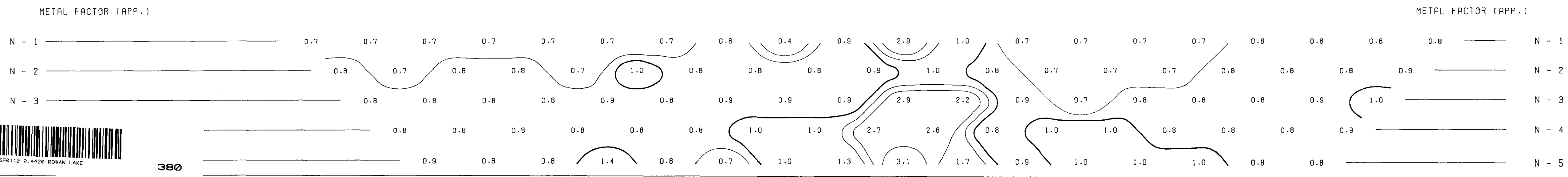
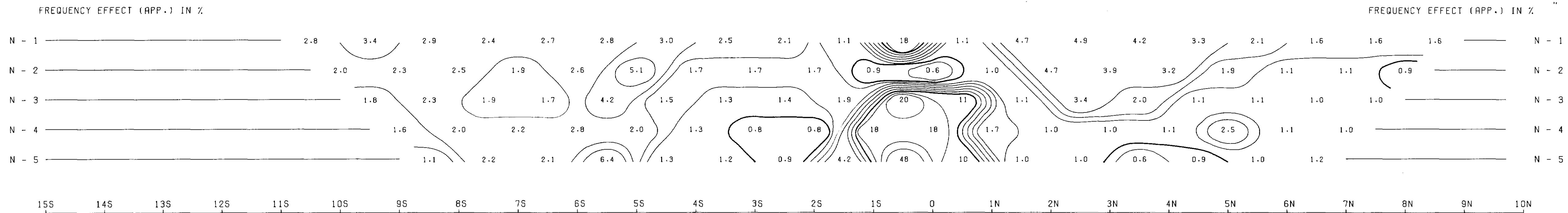
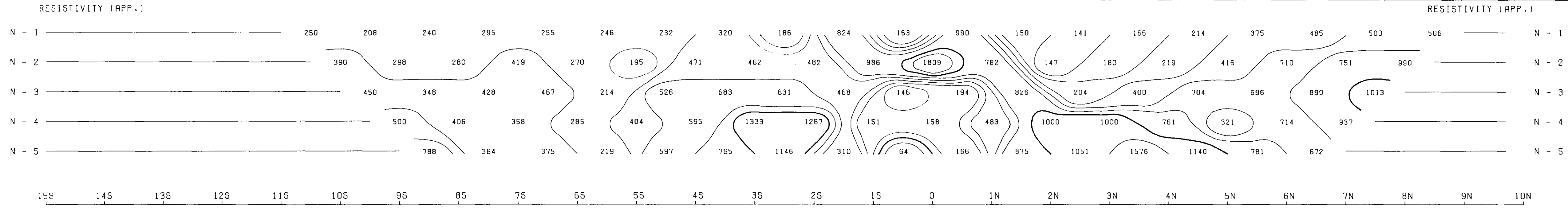
DATE SURVEYED: MAY 1981
FREQUENCIES: 0.31-5.0 HZ

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INDUCED POLARIZATION AND RESISTIVITY SURVEY

24420





NUINSCO RESOURCES LTD.

CAMERON LAKE PROJECT
BASELINE 0+00

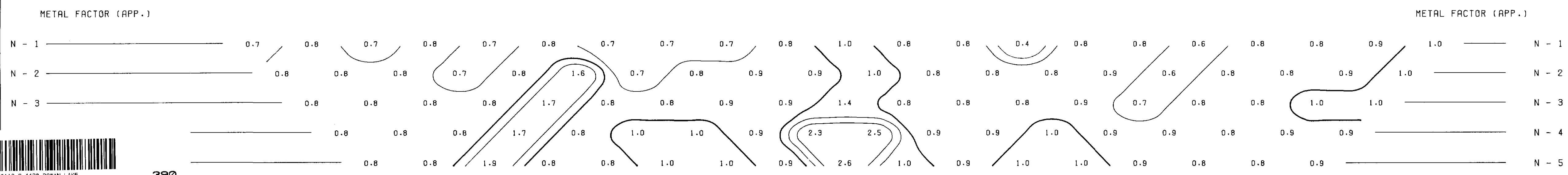
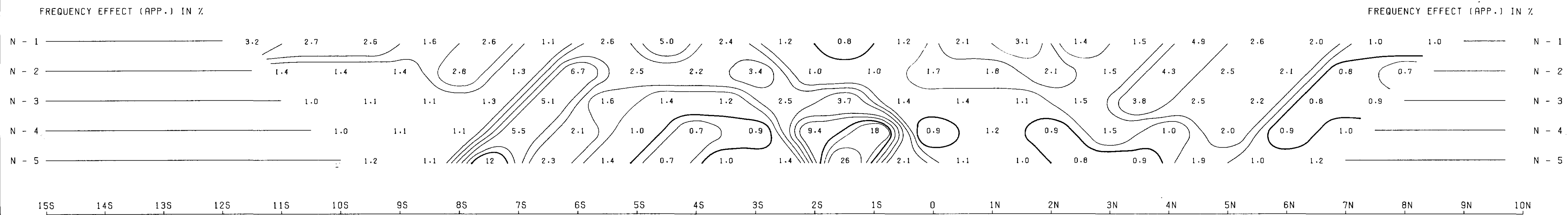
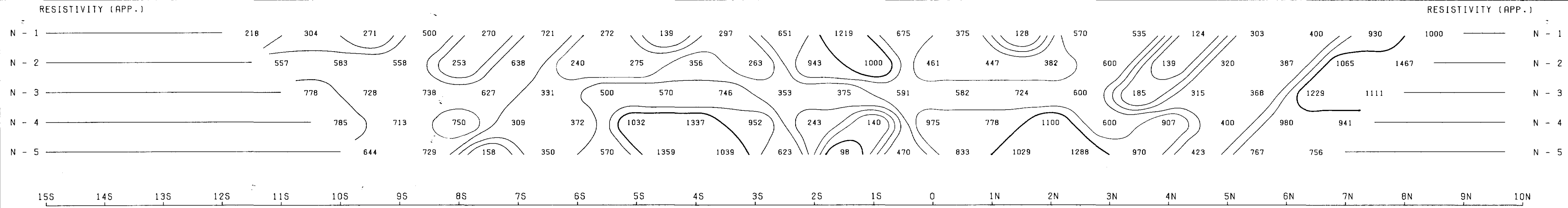
LINE NO. - 0+00

NOTE: CONTOURS AT LOGARITHMIC INTERVALS
1.-1.5-2.-3.-5.-7.5-10

DATE SURVEYED: MAY 1981
FREQUENCIES: 0.31-5.0 HZ

INDUCED POLARIZATION AND RESISTIVITY SURVEY
24420





NUINSCO RESOURCES LTD.

CAMERON LAKE PROJECT
BASELINE 0+00

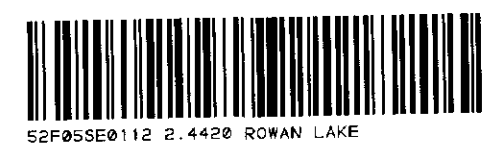
LINE NO. - 2+00W

NOTE: CONTOURS AT
LOGARITHMIC INTERVALS
1.-1.5-2.-3.-5.-7.5-10

DATE SURVEYED: MAY 1981
FREQUENCIES: 0.31-5.0 HZ

D. J. L.

INDUCED POLARIZATION AND RESISTIVITY SURVEY
2.4420

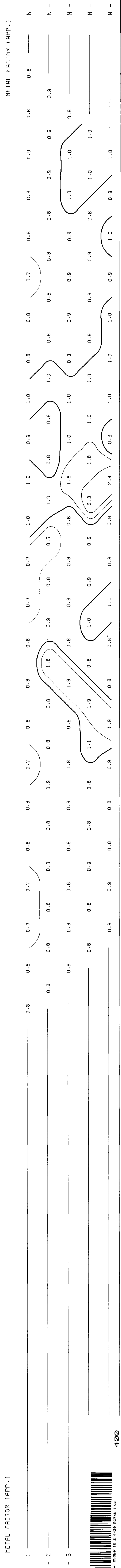
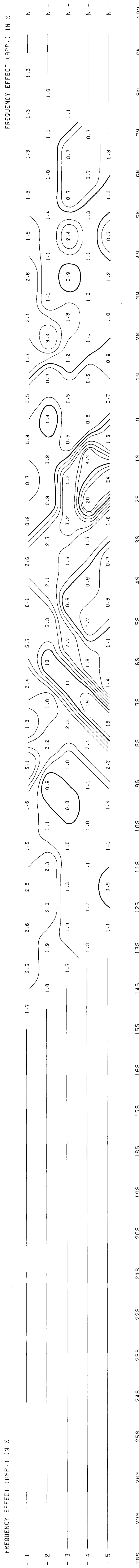
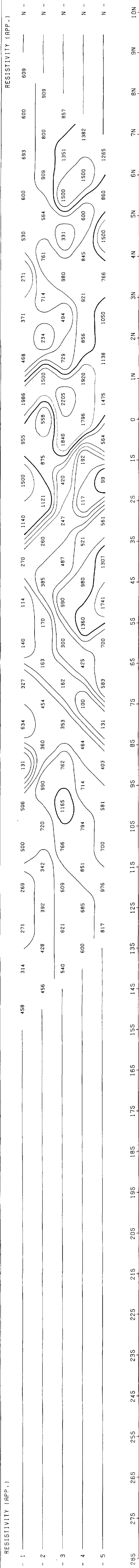


NUINSCO RESOURCES LTD.
CAMERON LAKE PROJECT
BASELINE 0+00

LINE NO. - 4+00W

NOTE: CONTOURS AT LOGARITHMIC INTERVALS
1.1-1.5-2.3-3.5-5.7-7.5-10
DATE SURVEYED: MAY 1981
FREQUENCIES: 0.31-5.0 HZ

INDUCED POLARIZATION AND RESISTIVITY SURVEY
S.F.H.R.D.



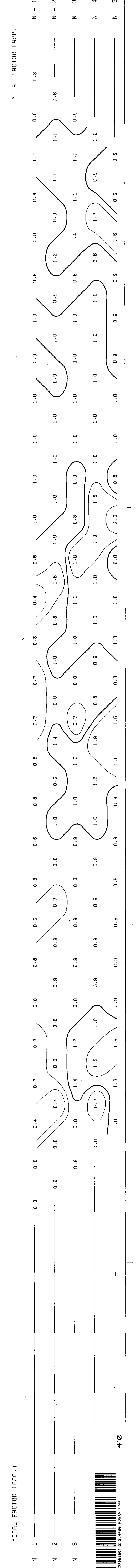
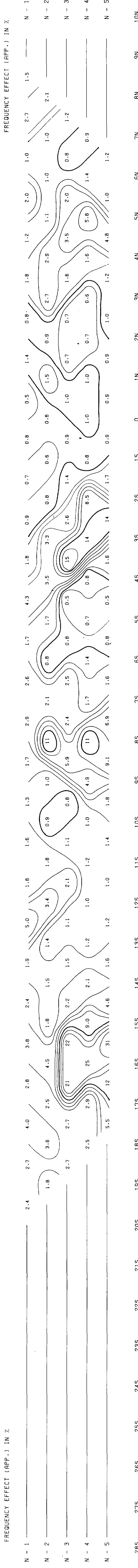
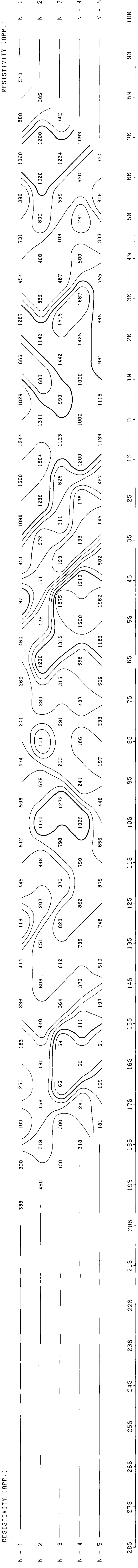
NUINSCO RESOURCES LTD.

JAMERON LAKE PROJECT
BASELINE 0+00

LINE NO. -- 6+00M

NOTE: CONTOURS AT LOGARITHMIC INTERVALS
1-1.5-2-3-5-7.5-10
DATE SURVEYED: MAY 1981
FREQUENCIES: 0.31-5.0 HZ

INDUCED POLARIZATION AND RESISTIVITY SURVEY
9/4/81



NUINSCO RESOURCES LTD.

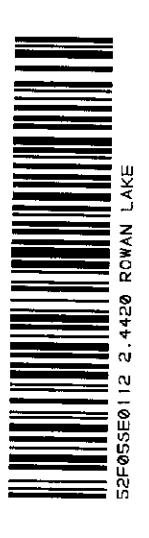
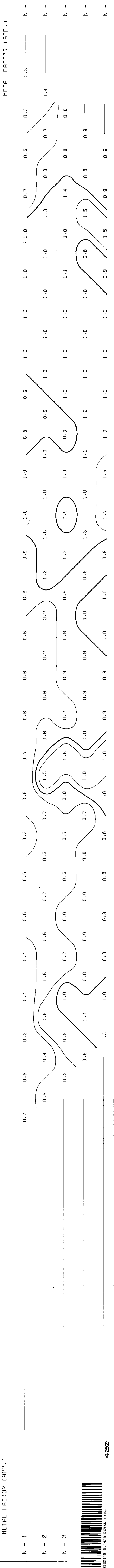
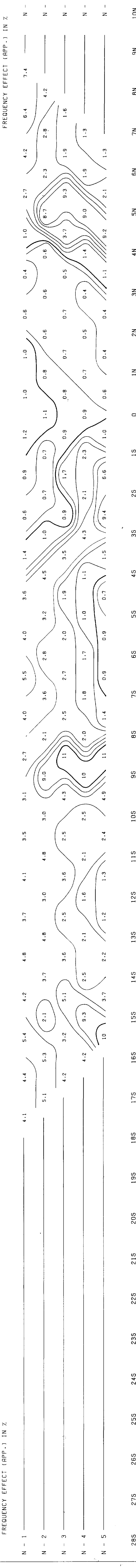
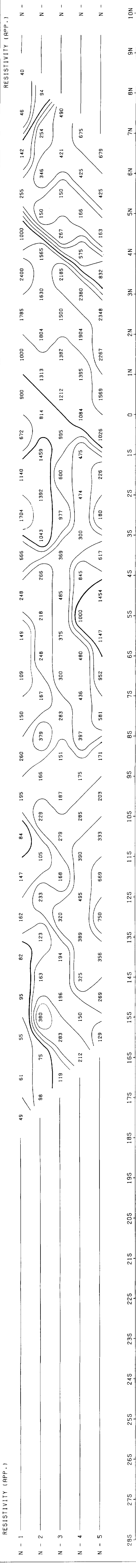
CAMERON LAKE PROJECT
BASELINE 0+00

LINE NO. -- 8+00W

NOTE: CONTOURS AT LOGARITHMIC INTERVALS
1.-1.-5-2.-3.-5.-7.-5-10
DATE SURVEYED: MAY 1981
FREQUENCIES: 0.31-5.0 HZ

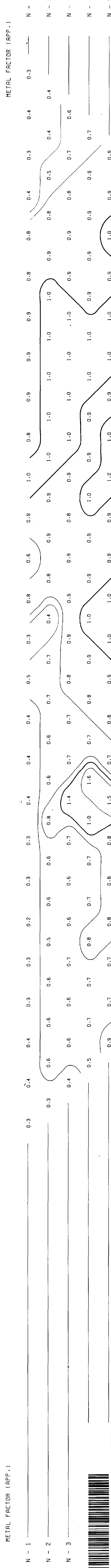
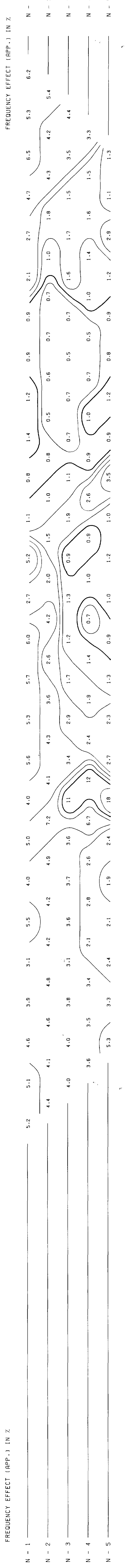
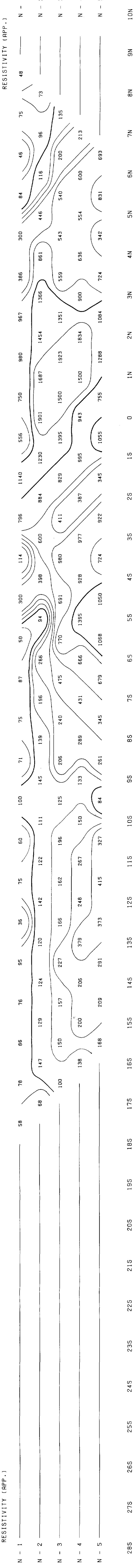
D. J. Lister

INDUCED POLARIZATION AND RESISTIVITY SURVEY
2-4-80

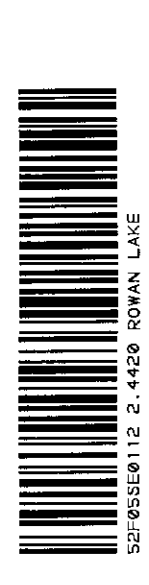


NUINSCO RESOURCES LTD.
CAMERON LAKE PROJECT
BASELINE 0+00

LINE NO. - 10+00W



NOTE: CONTOURS AT LOGARITHMIC INTERVALS
1.1-1.5-2.-3.-5.-7.-5-10
DATE SURVEYED: MAY 1981
FREQUENCIES: 0.31-5.0 HZ



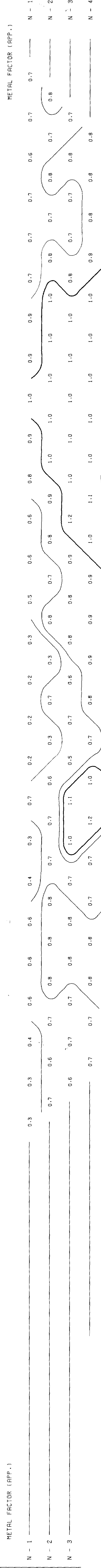
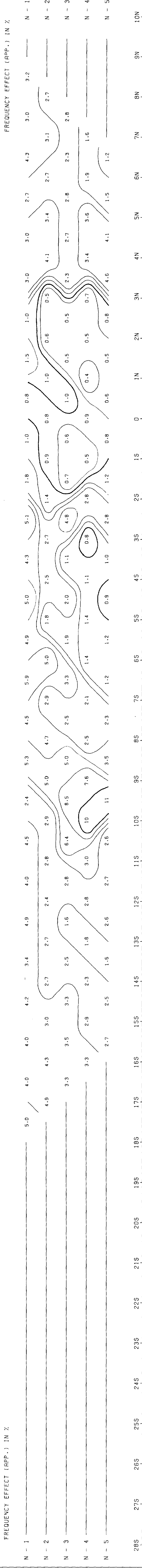
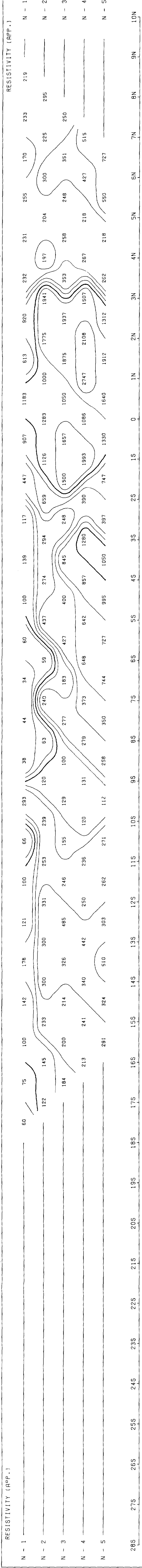
INDUCED POLARIZATION AND RESISTIVITY SURVEY
24920

NUINSCO RESOURCES LTD.

CAMERON LAKE PROJECT
BASELINE 0+00

LINE NO. - 12+00W

NOTE: CONTOURS AT LOGARITHMIC INTERVALS
1.1-1.5-2.-3.-5.-7.5-10
DATE SURVEYED: MAY 1981
FREQUENCIES: 0.31-5.0 HZ
D. J. White



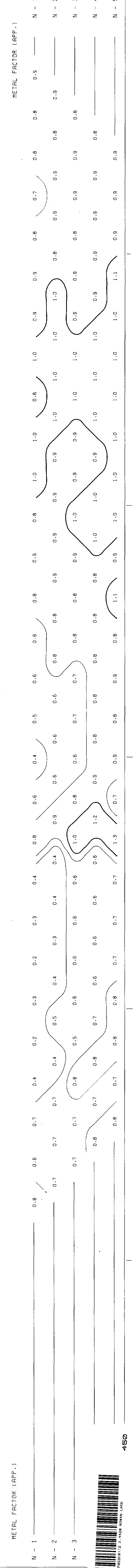
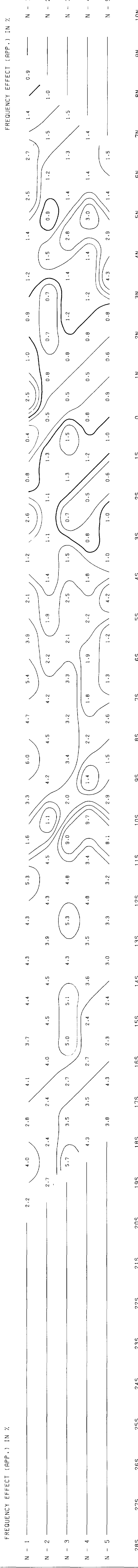
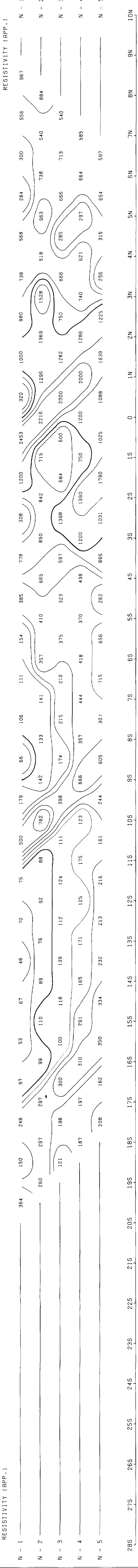
INDUCED POLARIZATION AND RESISTIVITY SURVEY

NUINSCO RESOURCES LTD.
CAMERON LAKE PROJECT
BASELINE 0+00

LINE NO. - 14+000M

NOTE: CONTOURS AT LOGARITHMIC INTERVALS
1-1.5-2-3-5-7-5-10
DATE SURVEYED: MAY 1981
FREQUENCIES: 0.31-5.0 HZ

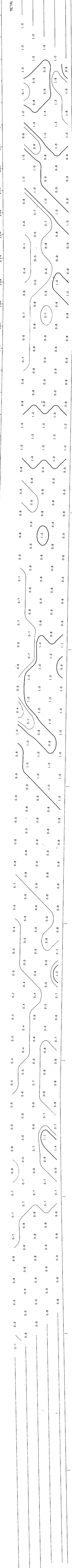
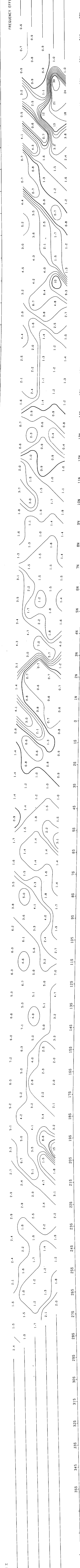
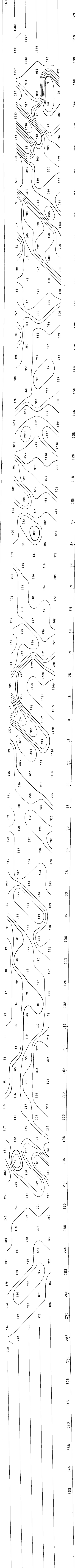
INDUCED POLARIZATION AND RESISTIVITY SURVEY



NUINSCO RESOURCES LTD.

CAMERON LAKE PROJECT
BASELINE 0-100

LINE NO. -- 16-000M



NOTE: CONTOURS AT LOGARITHMIC INTERVALS
1--1.5-2--3--5--7.5-10

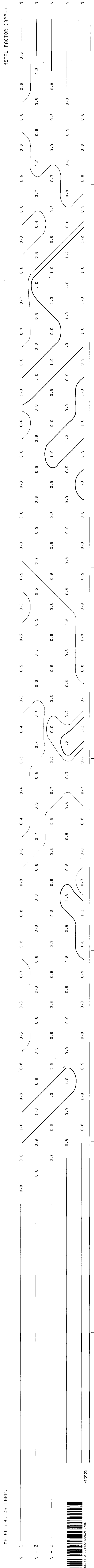
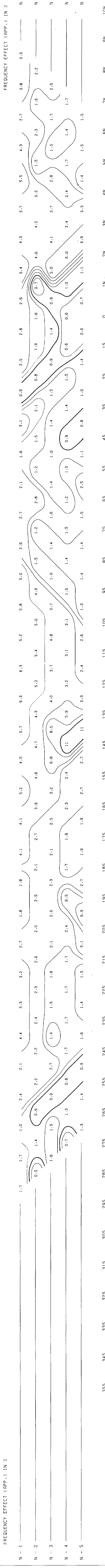
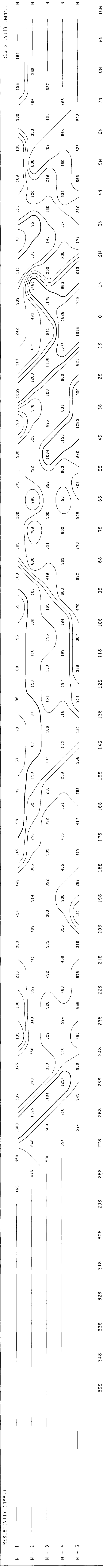
DATE SURVEYED: MAY 1981
FREQUENCIES: 0.31-5.0 HZ

INDUCED POLARIZATION AND RESISTIVITY SURVEY

NUINSCO RESOURCES LTD.

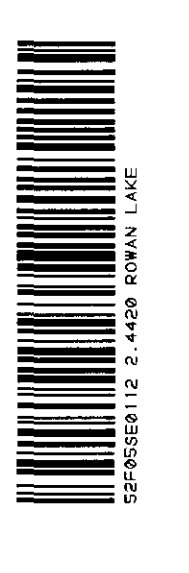
CAMERON LAKE PROJECT
BASELINE 0+00

LINE NO. 18+00K



NOTE: CONTOURS AT LOGARITHMIC INTERVALS
 1.-1.5-2.-3.-5.-7.-10
 DATE SURVEYED: JUN 1981
 FREQUENCIES: 0.31-5.0 HZ
Doug A. [signature]

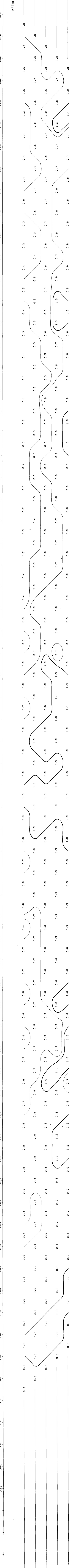
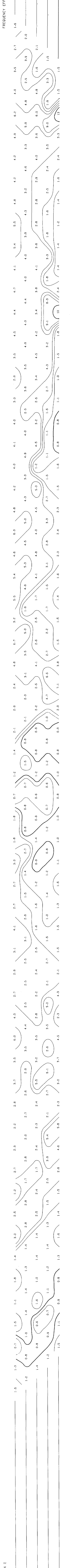
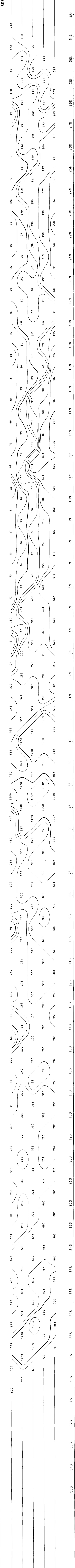
INDUCED POLARIZATION AND RESISTIVITY SURVEY
 SEP 8 1981



NUINSCO RESOURCES LTD.

CAMERON LAKE PROJECT
BASELINE 0+00

LINE NO. -- 20+000X



NOTE: CONTOURS AT LOG-R-TIMIC INTERVALS
1-1-5-2-3-5-7-5-10
DATE SURVEYED: JUN 1981
FREQUENCIES: 0.31-5.0-10Z
D.S. [Signature]

INDUCED POLARIZATION AND RESISTIVITY SURVEY

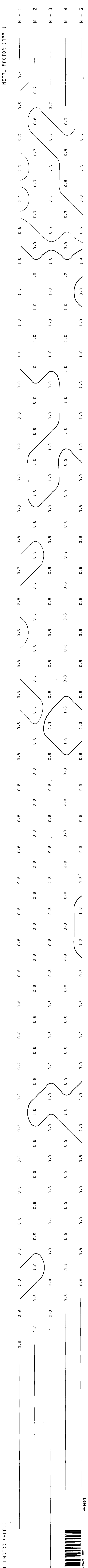
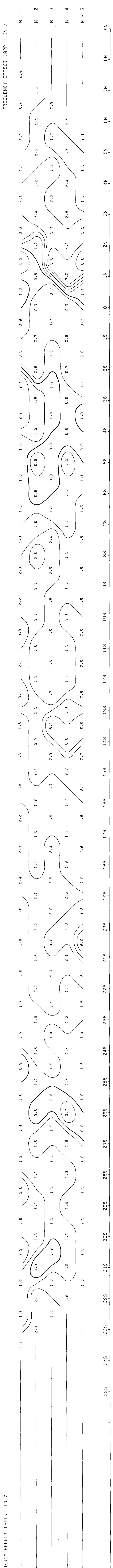
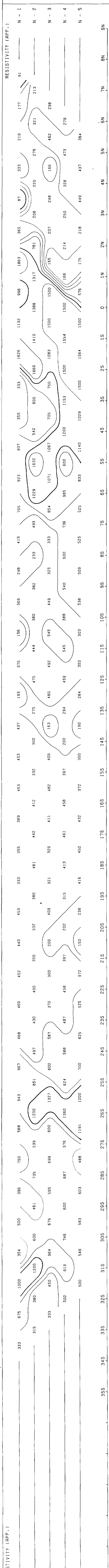


NUINSCO RESOURCES LTD.
CAMERON LAKE PROJECT
BASELINE 0+00

LINE NO. - 22+00W

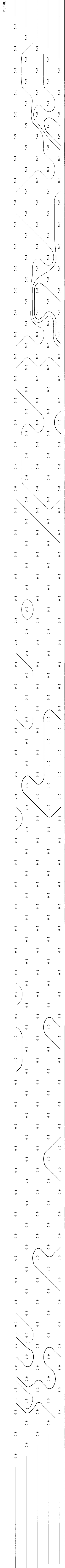
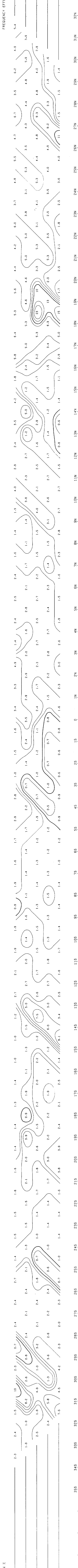
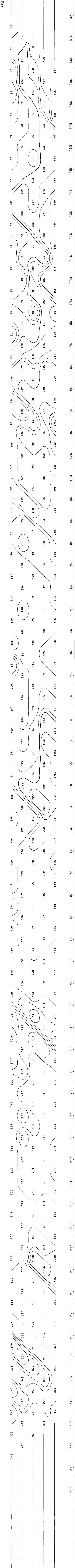
NOTE: CONTOURS AT LOGARITHMIC INTERVALS
1.-1.5-2.-3.-5.-7.5-10
DATE SURVEYED: JUN 1981
FREQUENCIES: 0.31-5.0 HZ

INDUCED POLARIZATION AND RESISTIVITY SURVEY



NUINSCO RESOURCES LTD.
CAMERON LAKE PROJECT
BASELINE 0+00

LINE NO. - 24-000H



NOTE: CONTOURS AT LOGARITHMIC INTERVALS
1.1-1.5-2.1-3.1-5.1-7.5-10
DATE SURVEYED: JUL 1981
FREQUENCIES: 10.31-5.0 HZ

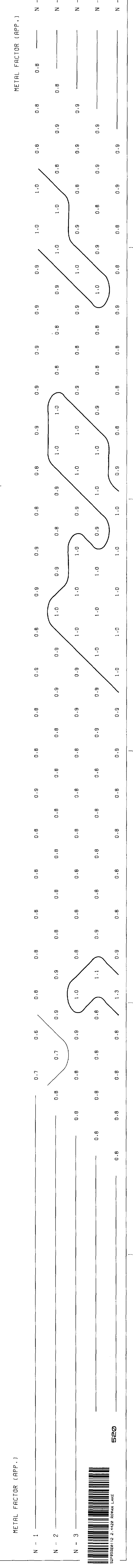
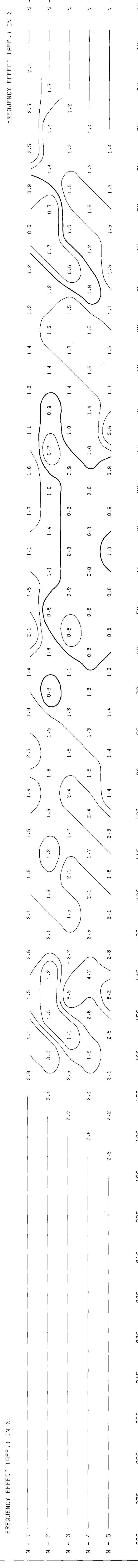
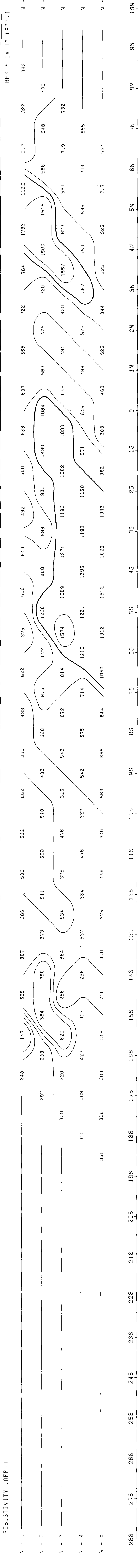
NUINSCO RESOURCES LTD.

CAMERON LAKE PROJECT
BASELINE 0+00

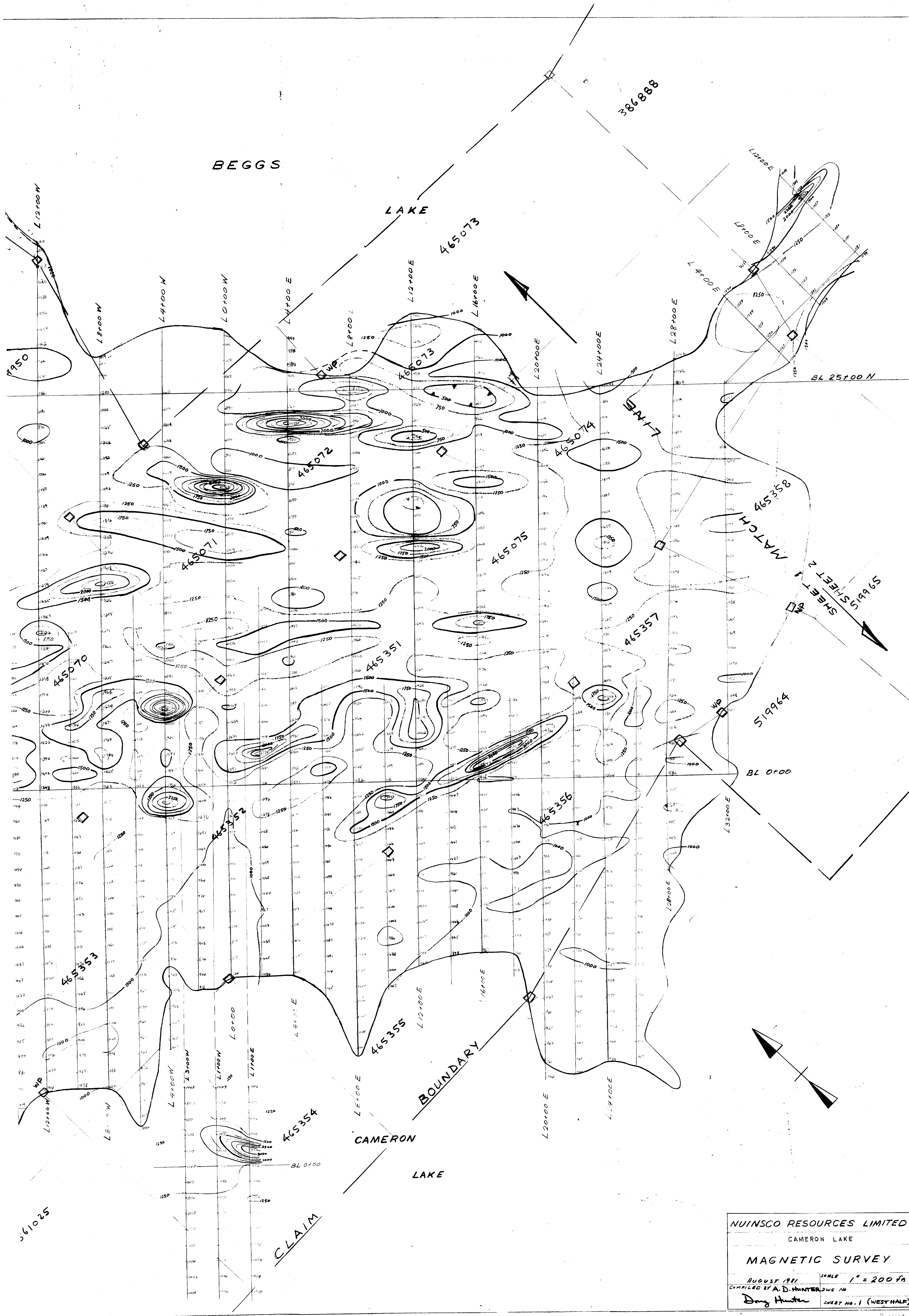
LINE NO. - 28±00W

NOTE: CONTOURS AT LOGARITHMIC INTERVALS
1-1.5-2-3-5-7-10
DATE SURVEYED: JUN 1981
FREQUENCIES: 0.31-5.0 HZ
D. S. [Signature]

INDUCED POLARIZATION AND RESISTIVITY SURVEY



520



BEGGS

LAKE

465073

386888

465072

465074

85358

519964

465351

465357

465355

465356

CAMERON

BOUNDARY

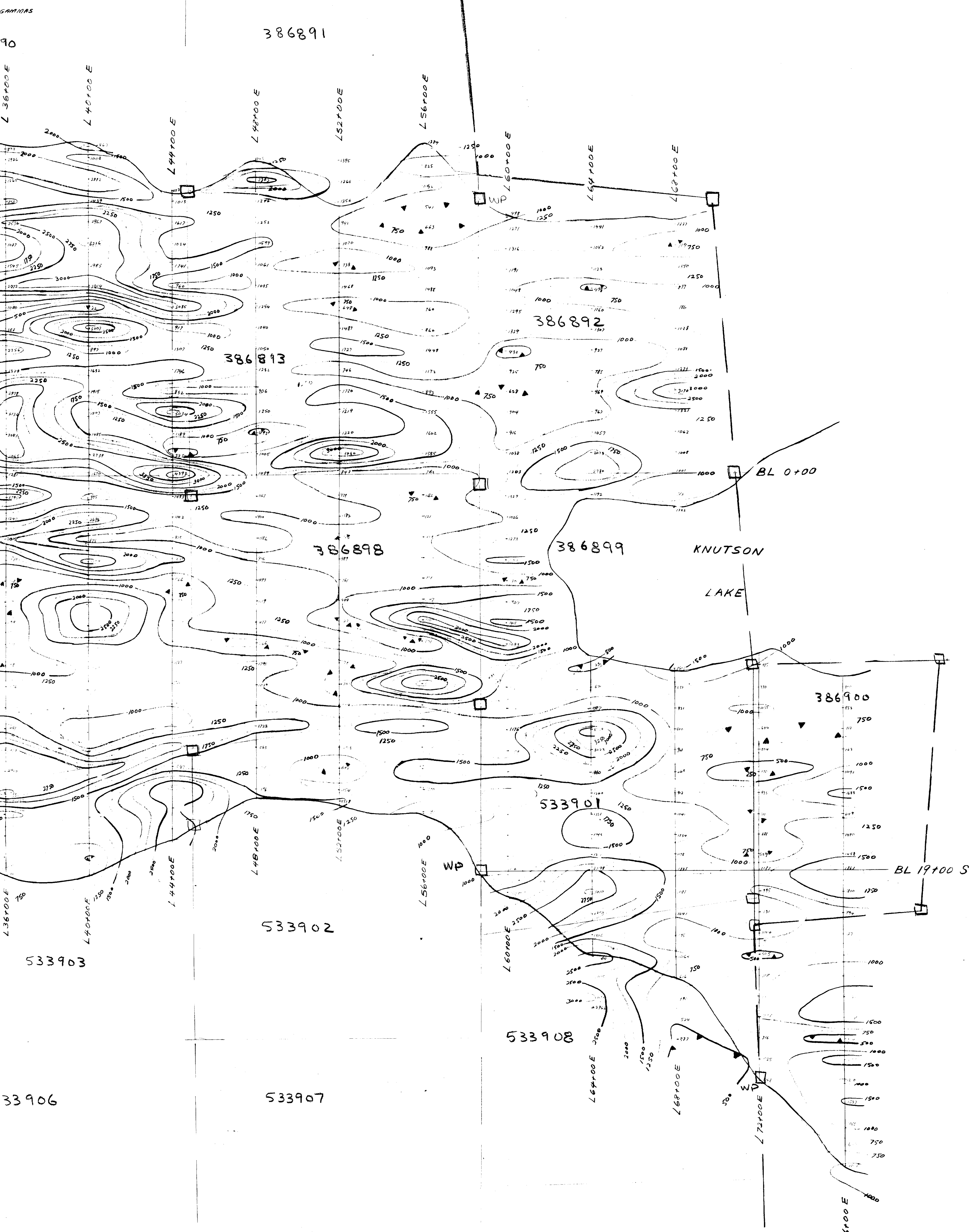
LAKE

CLAIM

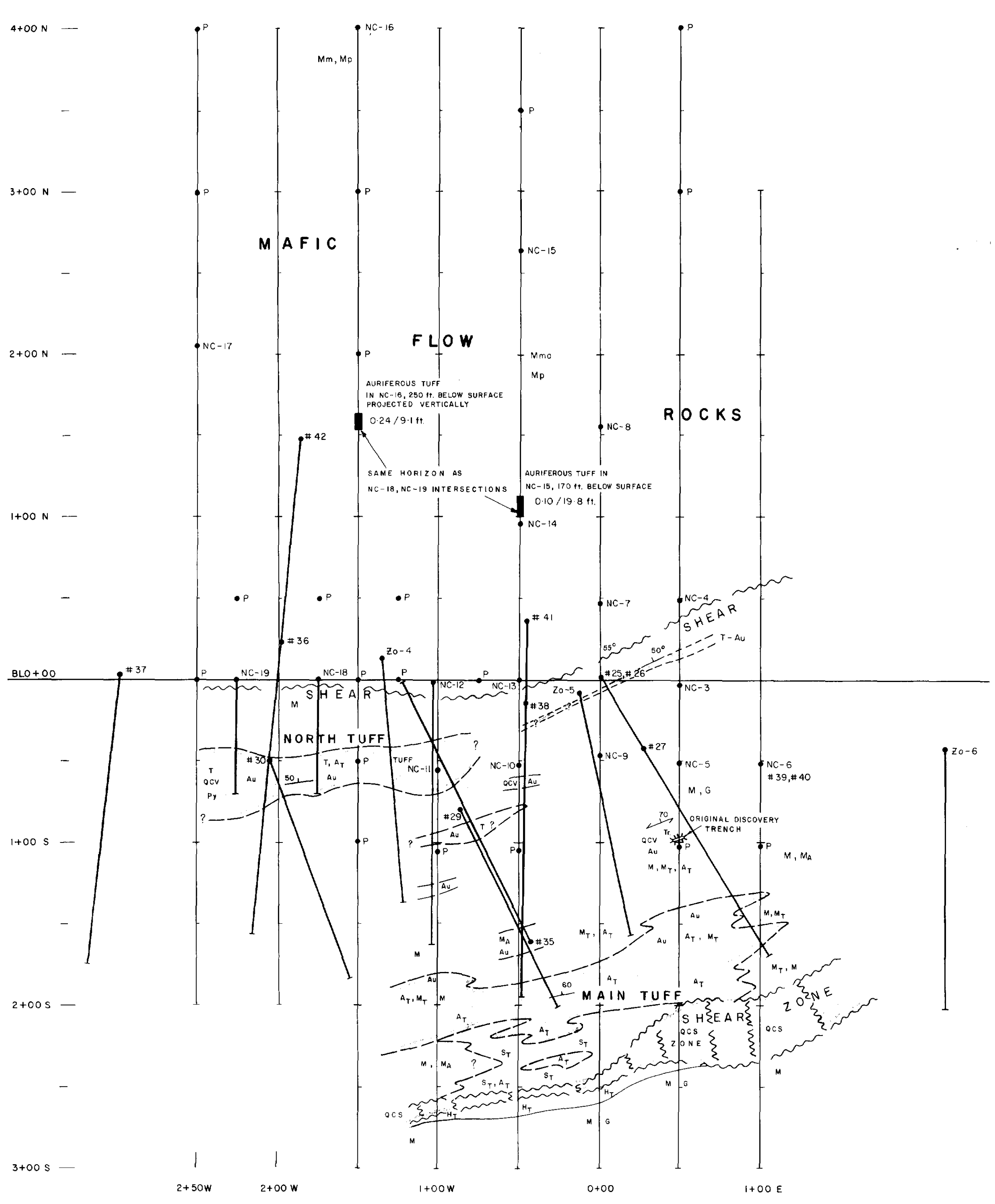
NUINSCO RESOURCES LIMITED	
CAMERON LAKE	
MAGNETIC SURVEY	
AUGUST 1981	SCALE 1" = 200 ft
COMPILED BY A. D. HUNTER JWC MH	
Doug Hunter	SHEET NO. 1 (WEST HALF)

VGWAK
LAKE

CLAIM
BOUNDARY



NUINSCO RESOURCES LIMITED
CAMERON LAKE
MAGNETIC SURVEY
AUGUST 1991
COMPILED BY
Doug Hunter
SCALE 1" = 200 ft.
DWG No.
SHEET NO. 2 (EAST HALF)



NUINSCO RESOURCES LIMITED	
PROPERTY: CAMERON LAKE	
GEOLOGICAL INTERPRETATION	
No. 2 ZONE	
DATE: October, 1981	SCALE: 1 inch = 50 feet
COMPILED BY: A. D. Hunter <i>Doug Hunter</i>	Figure. 5

