



42A03SE0155 2.12891 ZAVITZ

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Report on the MaxMin Survey
and the
Induced Polarization and Resistivity
Surveys
Conducted on the Zavitz Township Property
for
TBS Resource Developers Inc.

Sault Ste. Marie, Ontario
October 21, 1989

John R. Walmsley, B.Sc.
Geologist



42A03SE0155 2.12891 ZAVITZ

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INTRODUCTION

In the late spring of 1989, E.H. van Hees Geological Services Inc. was contracted by TBS Resource Developers Inc. to conduct an exploration program on a group of claims in the Porcupine Mining Division, District of Sudbury. The claims covered by the program, make up part of a larger claim block located in the south-east corner of Zavtiz Township and the south-west corner of Hincks Township.

The phase of the program covered by this report includes a Max-Min survey and an Induced Polarization Resistivity survey, and is a followup to an earlier Total Filed Magnetic survey and a two station VLF-EM survey. The surveys were carried out on a metric grid, and covered a total of 9 claims at the west end of the property.

This report describes the method and results of the program.

PROPERTY DESCRIPTION, LOCATION AND ACCESS

The TBS-Zavitz Property is located in both Zavitz and Hincks Townships and is comprised of thirty-two (32) claims. The claims in Zavitz Township are in the South Porcupine Mining Division, District of Sudbury, Northeastern Ontario; the claims in Hincks Township are in the Larder Lake Mining Division, District of Sudbury, Northeastern Ontario. The claims are approximately 32.5 km west-north-west of the town of Matachewan, and approximately 51.2 km south-south-east of the city of Timmins. See figures 1, 2 and 3 for property location.

A total of eight (8) contiguous claims were wholly and/or partially covered by the surveys described in this report. The claims involved are listed in Table 1. Abstracts for the claims can be found in Appendix A.

Table 1. Schedule of Claims

<u>Claim #</u>	<u>Date Recorded</u>	<u>Assessment</u>	<u>Due Date</u>	<u>Area</u>
P 1027468	Oct. 28, 1987	0 days	Oct. 17, 1988	40 acres
1027469	Oct. 28, 1987	0 days	Oct. 17, 1988	40 acres
1027472	Oct. 28, 1987	0 days	Oct. 17, 1988	40 acres
1027473	Oct. 28, 1987	0 days	Oct. 17, 1988	40 acres
1027474	Oct. 28, 1987	0 days	Oct. 17, 1988	40 acres
1027475	Oct. 28, 1987	0 days	Oct. 17, 1988	40 acres
1027477	Oct. 28, 1987	0 days	Oct. 17, 1988	40 acres
1027478	Oct. 28, 1987	0 days	Oct. 17, 1988	40 acres

Note: Extensions were granted till the end of October, 1989, for filing of assessment work.

Access to the property is generally good, though during winter months area roads may not be plowed regularly. Several routes to the property exist. The simplest route begins in

Matachewan where highway 561 can be followed for approximately 30 km to the west. From here, a well used timber access road is followed for approximately 20 km further to the west to the Moray Lake turnoff on the north side of the road. This last road is followed for approximately 1.5 km to Moray Lake which is covered by the south part of the claim block.

A second route from Timmins exists and is actually the continuation of the road followed from the end of highway 561. Pine street in Timmins can be followed south from the city centre for approximately 5 km where it turns into a well used forestry access road. This road is followed for approximately another 55 km to the Moray Lake turnoff.

Another route can be followed by travelling the old Langmuire Mine road south from the town of South Porcupine (west of Timmins), past the Langmuire Mine and to the forestry access road mentioned in the previous two routes.

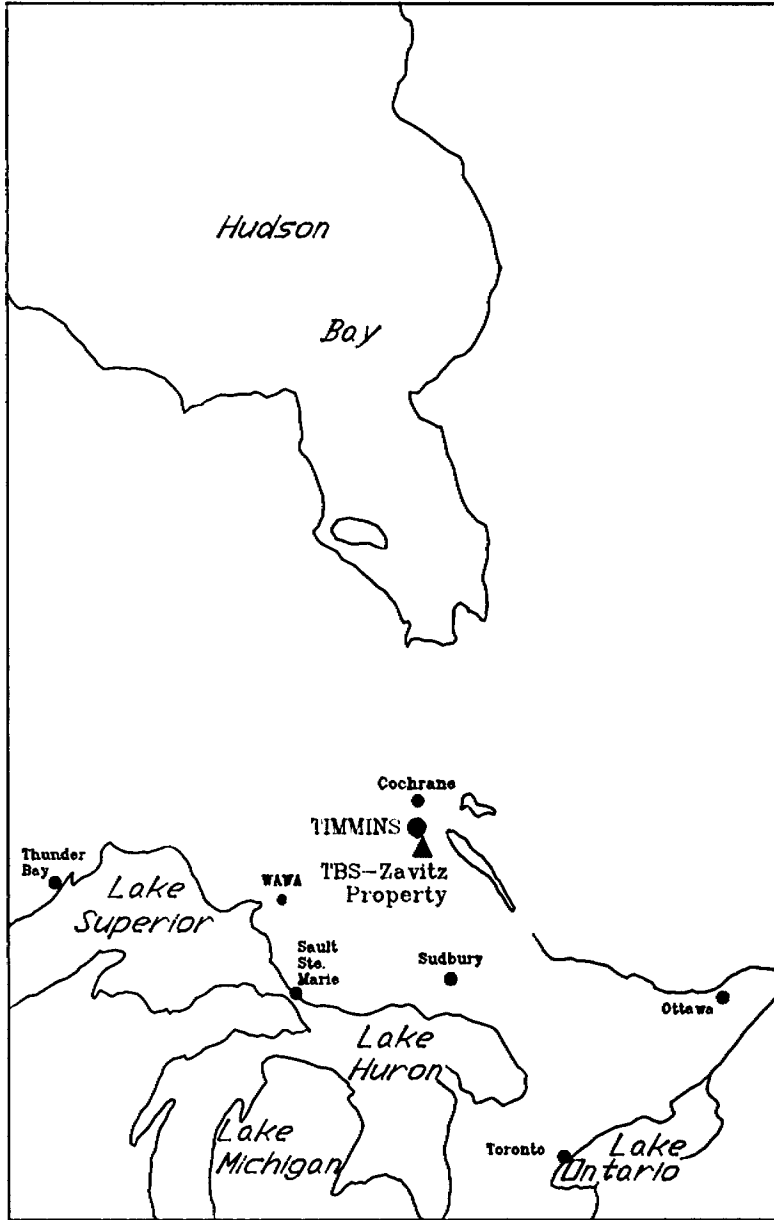


Figure 1. Regional Location Map

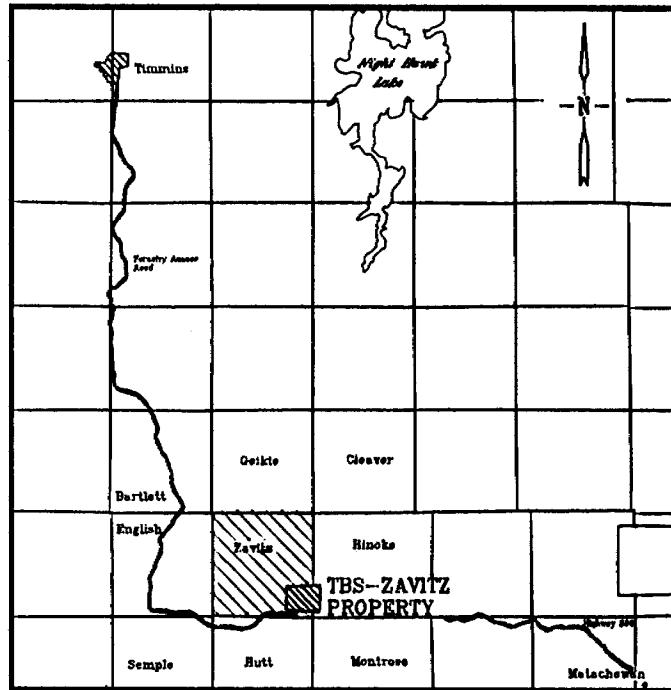
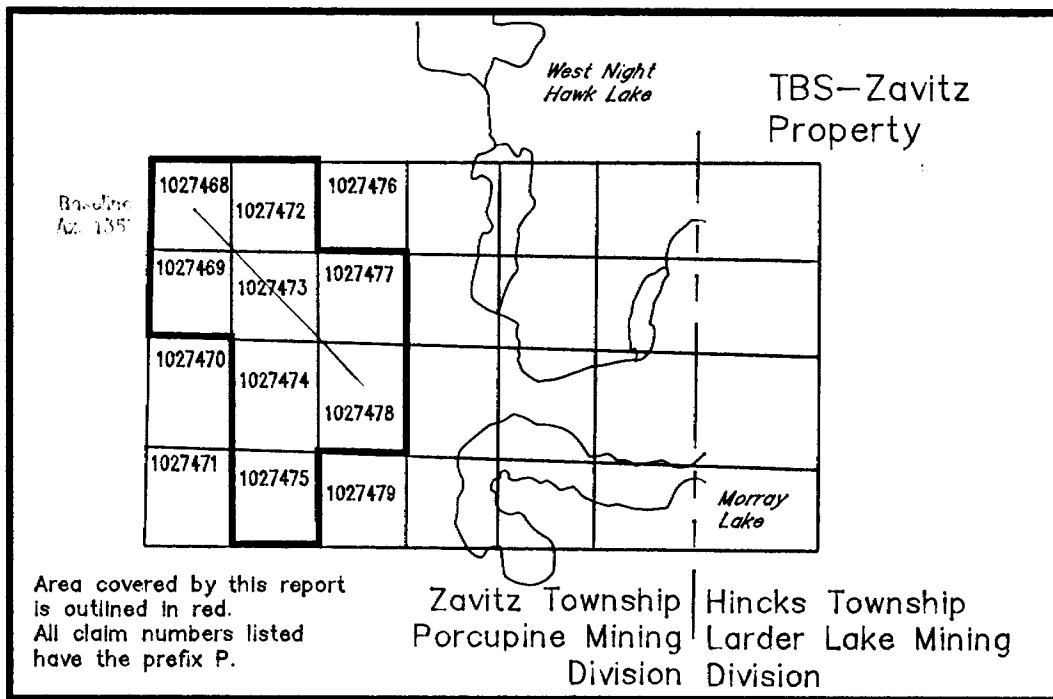


Figure 2. Property Location Map

Figure 3. Claim Sketch of the Complete Claim Block



TOPOGRAPHY AND RESOURCES

The ground covered by the eight (8) claims is generally of low relief with gently rolling sand eskers and local rock outcroppings. The south-west portion of the ground is generally dry with local swampy areas. The centre portion is both swampy and exposed rock. The north-east portion is generally swampy. Clay is the main soil type away from the sand eskers and drainage is generally to the east.

In the past, the area has been logged, and consequently trees are generally fairly young. Tree types vary depending on the ground conditions. In the south-west, the main tree types are spruce, jackpine and some scotch pine. In the centre, the main tree types are spruce and poplar. In the north-east, the main tree types are spruce, alders and poplar. Birch is also found throughout.

Other than tourism and trapping, little economic activity is apparent in the immediate vicinity of the property. Logging is still practised within the region but has already covered the claim block. The nearest industrial centres are the town of Kirkland Lake and the city of Timmins. Both centres have economies based primarily on mining and most resources necessary for mining and exploration can be found in either place. The nearby town of Matachewan is a past producing gold town and with limited resources.

SUMMARY OF PAST EXPLORATION

The property has seen a fair amount of activity in the past. A total of ten companies have explored the area, dating back to 1939. Exploration has found three (3) gold showings within the entire 32 claims. These showings have since been named the Fiset Showing, the Noranda Showing, and the Voyager Showing. The eight (8) claims discussed in this report cover the Voyager showing.

In 1964, Voyager Explorations Ltd., completed a geophysical program that involved an EM survey and a magnetometer survey on the Voyager Showing. The purpose of the surveys was to cover a massive sulphide zone discovered during logging operations (Tremblay, 1986). Follow up drilling, involving six (6) diamond drill holes totalling 1,819 feet, produced a significant assay of 0.33 ounces per ton over a length of 4.0 feet (Mazur, 1988).

Pan Ore Gold Mines Ltd. conducted a geophysical program on both the Voyager Showing and the Fiset Showing in 1974. Induced Polarization, electromagnetics and magnetics were completed. Follow up drilling did not involve the Voyager Showing.

Rio Tinto Canadian Exploration Ltd. drilled three holes in 1975 on the EM anomalies delineated by the Pan Ore surveys, under an option agreement with Pan Ore. Three other holes were drilled on the Fiset showing for a total of 2,940 feet.

Between 1978 and 1980, Newmont Exploration of Canada completed the most comprehensive program on the property

involving I.P., EM and total field magnetics. Seven holes totalling 1,422 metres were drilled, two of which were on the Voyager Showing.

The last activity on the property prior to the current programs was completed by 635540 Ontario Inc., in 1985, but did not involve the Voyager Showing.

REGIONAL GEOLOGY

The region of the Zavitz property is located near the southern edge of the Abitibi Greenstone Belt, and was first looked at in significant detail by H. C. Rickaby in his 1932, Ontario Department of Mines Report *Bannockburn Gold Area*, which covered Zavitz and English Townships. It was remapped in 1972 by D. R. Pyke, along with several surrounding townships, and is described in his 1978, Ontario Geological Survey Report, *Geology of the Peterlong Lake Area*. A third examination was completed by E. G. Bright, in his 1968 Preliminary Map Number P.455 and in his 1984, Geological Survey Report, *Geology of the Ferrier Lake - Canoeshed Lake Area, District of Sudbury, Ontario*. The two most recent reports best describe the general geology of the region with Pyke's geology map number 2345 providing the best illustration for the region, and Bright's preliminary map for the township.

Quartz diabase dykes intrude all other rocks in the area. These dykes strike generally north-east and are Middle Precambrian in age (Pyke, 1978). They are succeeded by another phase of diabase intrusions during the Late Precambrian which are

distinguished from the earlier phase by being olivene rich and striking north-west.

The next youngest rocks of the area are a narrow band of Middle Precambrian (Huronian) sediments located east of the Zavitz property in Hincks Township. This band strikes north with flat to moderate, easterly dipping beds of greywacke, arkose, and conglomerate.

A third phase of diabase intrusions occurred in the Early Precambrian (Archean). These dykes have a general north-south strike.

Other intrusive rocks include gabbros and batholiths in the surrounding regions. The Peterlong Lake Complex is the dominant batholithic intrusion and is located well to the west of the property. Locally, the Geikie Pluton, north of the property has had a more direct effect. This pluton is most likely the source for syenite, felsic porphyries and diorite intrusives found within the claim block.

Both Pyke (1978), and Bright (1984), have discerned two cycles of volcanism. Both cycles consist of an underlying ultramafic unit overlain by a mafic unit, and topped by an intermediate to felsic unit (Pyke, 1978). Zavitz Township is underlain by the younger cycle, while the older cycle is exposed further to the west. The Halliday Dome, south of the property, is believed by Pyke (1978), to be the volcanic centre. Both cycles are Early Precambrian (Archean) in age and the overall stratigraphic trend is east-west.

See Table 2 for Table of Formations.

Table 2. Table of Formations (after D.R. Pyke, 1978)

PHANEROZOIC

CENOZOIC

QUATERNARY

PLEISTOCENE AND RECENT

Clay, sand, gravel, swamp and stream deposits

UNCONFORMITY

PRECAMBRIAN

LATE PRECAMBRIAN

MAFIC INTRUSIVE ROCKS

Olivine Diabase

INTRUSIVE CONTACT

MIDDLE PRECAMBRIAN

MAFIC INTRUSIVE ROCKS

Quartz Diabase

INTRUSIVE CONTACT

HURONIAN SUPERGROUP

COBALT GROUP

Gowganda Formation

Greywacke, arkose, greywacke and argillite,
conglomerate*UNCONFORMITY*

EARLY PRECAMBRIAN

MAFIC INTRUSIVE ROCKS

Diabase

INTRUSIVE CONTACT

FELSIC INTRUSIVE ROCKS

Porphyritic hornblende monzonite; porphyritic
hornblende granodiorite; hornblende-biotite
trondhjemite, biotite-hornblende trondhjemite,
diorite and quartz diorite, biotite
granodiorite, porphyritic hornblende diorite,
leucocratic granodiorite and alaskite; quartz-
feldspar porphyry, trondhjemite

Table 2. (Continued)

INTRUSIVE CONTACT

METAMORPHOSED MAFIC AND ULTRAMAFIC INTRUSIVE ROCKS

Gabbro, gabbroic anorthosite, pyroxinite,
serpentinized peridotite, peridotite largely
altered to talc-carbonate, quartz gabbro

INTRUSIVE CONTACT

METAVOLCANICS AND METASEDIMENTS

Intermediate to Felsic Metavolcanics

Tuff and lapilli-tuff, volcanic breccia, massive and
pillowed flows, variolitic flows, interlayered
siltstone and greywacke, garnet-and-staurolite-
bearing tuffs

Mafic Metavolcanics

Massive and pillowed flows, variolitic flows, tuff
and lapilli-tuff, volcanic breccia, amphibolized
and gneissic lavas, pyroxene spinifex-textured
flows, tremolitic-(low Fe) bearing flows and
pyroclastic rocks

Ultramafic Metavolcanics

Massive polysutured serpentinized peridotite,
spinifex textured flows, tuff and lapilli-tuff,
cummingtonized flows, steatized and carbonatized
peridotite

The area is pervaded by numerous folds due primarily to the large batholithic complexes and plutons. The main structure in the immediate vicinity of the property is a large, east to north-east striking syncline located to the north-west. A lesser anticline, striking north-north-east has been interpreted by Bright (1968), just north of the claim boundary and south of the syncline. Other, lesser synclines and anticlines are indicated by Pyke (1978), to be present across the claim block.

Two main faults are present to the west of the property. The Burrows-Benedict Fault is the closer of the two and is a

major north-south striking break that can be traced northward through the Timmins gold camp (Tisdale Township). Further to the west is the Scott Lake Fault which strikes to the north-west with dextral displacement (Pyke, 1978). Two north-west striking faults bound the property on the north-east and south-west sides (the latter may have some influence on the Voyager Showing). The western fault is dextral and the eastern fault is sinistral (Pyke, 1978).

See Figure 4 for a representation of the regional geology.

PROPERTY GEOLOGY

Bedrock exposure on the property is poor, less than 10%, and restricted to the north-west end of the property grid. H. Tremblay best describes the property geology in his 1986 report based on geological mapping, diamond drilling and geophysics conducted by Newmont Exploration of Canada Ltd. in 1980. Tremblay records the stratigraphy of the Voyager Showing as striking north-north-west primarily based on pillow tops. The units from north to south are described to be; ultramafic to mafic volcanics with intercalated mafic tuffs, intermediate to felsic tuffs and argillites (underlying most of the showing); intercalated graphitic tuffs and argillites with some volcanic flows (south of the showing); and ultramafic volcanics with some intermediate to felsic volcanics (south edge of the total claim block).

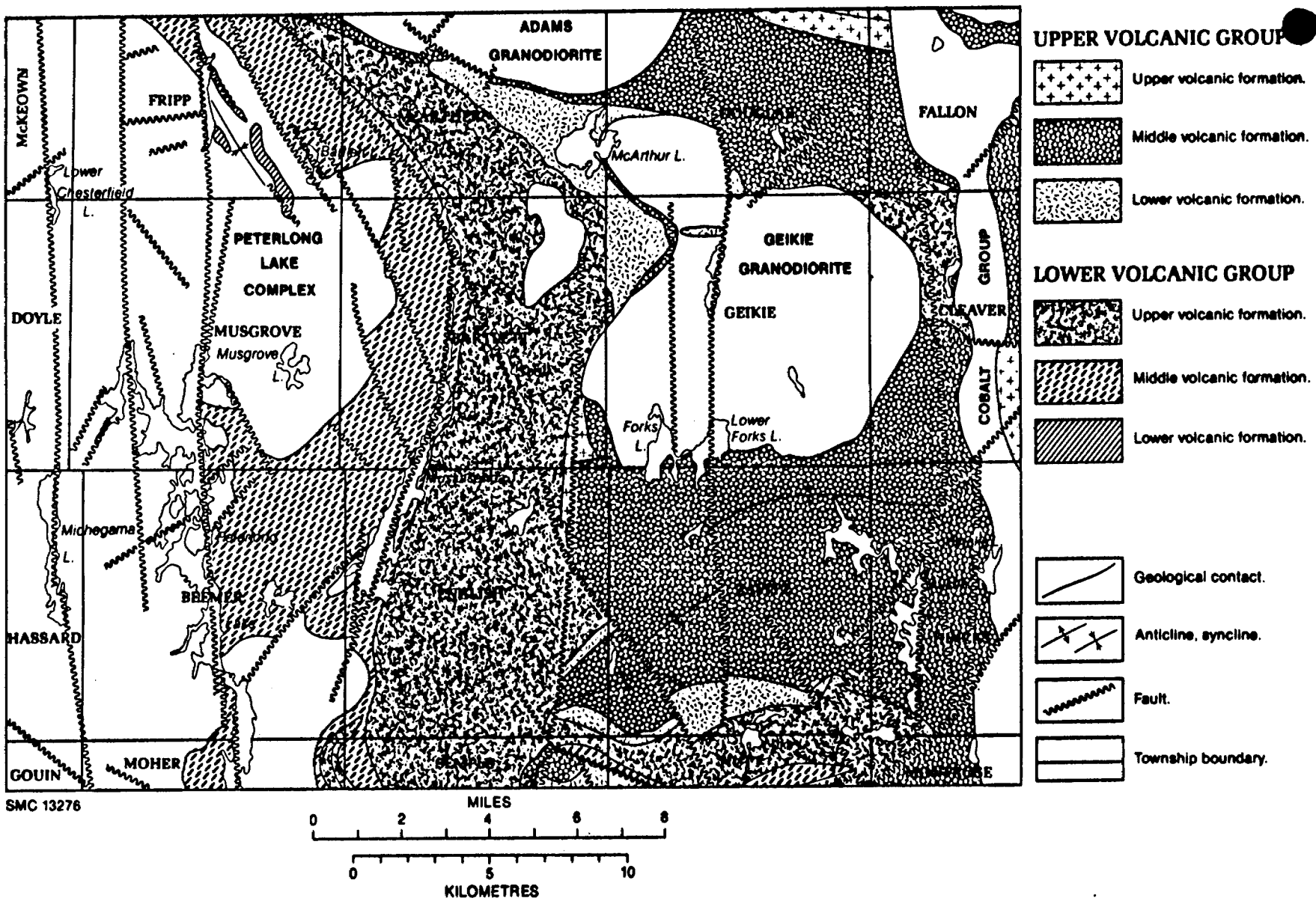


Figure 4. Regional Geology of the TBS-Zavitz Property
(After D.R. Pyke, 1978)

John S. ...

Syenite and diorite plugs are the most likely source for the dykes and dyklets of similar compositions found throughout the showing. Syenite is exposed in the north-west corner while a diorite plug is interpreted from past geophysics to the south-east. These plugs are believed to strongly affect stratigraphic attitudes (Tremblay, 1986).

Tremblay, using geophysical trends delineated from the Newmont I.P and magnetic surveys, along with pillow tops from Newmont's mapping and graded bedding from a Newmont diamond drill hole, an anticline as striking west-north-west across the Voyager section of the property with its axis just to the south-east. This complies with Bright (1968), who interprets an anticline on the west side of the western property fault and along strike from Tremblay's fold.

Also interpreted from geophysics is a north-west striking fault traversing the claim block just to the north-east of the Voyager Showing. This fault may mark a contact between the volcanic sequence described above and an extension of the syenite plug also described above (Newmont Geology Map, 1980).

The recent total field magnetic survey and VLF-EM survey appear to confirm this geology in general, but with some changes. From the magnetic data, the fault interpreted from geophysical data marking the contact between a syenite intrusion and mafic volcanics is more likely a geologic contact between ultramafic volcanics to the north-east (instead of syenite) and mafic volcanics to the south-west. A north-west fault does appear to traverse the claim block as suggested by results from the most

recent VLF-EM survey (Walmsley, 1989) and may mark part of the contact but appears to extend into the volcanics themselves to the north-west.

The VLF-EM delineated the tuff/argillite unit described above along the south edge of the grid. In addition, an east-north-east striking fault seems to dextrally displace the unit. This fault is terminated by the north-west striking fault just described.

METHOD OF SURVEYS

A metric grid was established across the Voyager Showing to provide control for both geophysical surveys and geological surveys. Lines were cut on 100 metre centres with lines on 50 metre centres across most of the central section. The baseline has an azimuth of 135° with gridlines running perpendicular to this. Stations are marked with standing pickets every 25 metres along the gridlines and every 50 metres along the baseline.

The Max-Min survey was completed with a Max-Min II instrument and a coil separation of 100 metres. Frequencies 444 Hz and 1777 Hz were used for the survey. Readings were taken every 25 metres with 12.5 metre readings taken where conductors were delineated in the field. Readings were recorded in a field book and later entered on a personal computer. The data was then plotted at a scale of 1:2500 on a Calcomp Plotter using software by Geopak.

The induced polarization and resistivity survey was subcontracted to Remy Belanger Inc. of Rouyn, Noranda. A frequency domain system was used with a dipole-dipole configuration and an "a" spacing of 50 metres. Readings were taken to the N=4 level, with the N=5 level being read where required, and the results plotted on pseudosections by the contractor. Interpretation was also provided by the contractor. In addition to the resistivity values and frequency (phase) values being plotted, a third metal factor value was also provided. This is a calculated value involving the resistivity

and the phase values.

The I.P. and Resistivity survey was completed during the first part of July, 1989, and the Max-Min survey was completed during the last part of July, 1989.

DISCUSSION AND RESULTS

Results from the IP survey delineated one major anomaly that strikes south-east along the baseline from line 100 North to line 500 South, for a strike length of 600 metres. Belanger has interpreted this anomaly as varying between a probable and a definite conductor. It appears to be moderately deep conductor with the strongest part from line 100 North to line 150 South. In comparison with the VLF-EM survey completed during a previous phase of exploration, it can best be identified as anomaly "B" and the south-east extent of anomaly "A" (Walmsley, October, 1989). It most closely follows the strike of the Cutler station though the strike is more irregular than the VLF-EM.

A one line anomaly was delineated on line 0 North at about 225 West. This corresponds with the Cutler anomaly "D" of the previous survey (Walmsley, 1989). This feature has been interpreted as a possible dextral fault that is truncated by the fault of anomaly "B". The absence of the IP response on the other lines may indicate that the fault is poorly, and locally mineralized.

A probable anomaly is indicated on line 600 South at about 700 West. Except for the magnetic high discerned on line 800

South (Walmsley, 1989), no other geophysical method detected anything of significance in the area. A possible cause for the conductor is not apparent.

Results from the Max-Min survey are poor considering the relatively good response from all the other methods. Anomaly "B" can be discerned along part of its strike length though the profiles are very subtle. The strongest response is on line 0 North in the vicinity of where the conductor is believed to come to surface in two old trenches referred to in the literature. Here, as well as other less noticeable evidence of the conductor, the negative response of the conductor is irregular and possibly indicates more than one narrow conductive zone is present. For this reason, it is too difficult to distinguish features that would provide more information about the conductor from the Max-Min.

The good response derived from the IP survey may indicate disseminated to semi-massive mineralization rather than a massive conductor for anomaly "B" (IP responses better to the greater surface area provided by a disseminated source). The relatively poor response of the Max-Min tends to support this (Max-Min responds better to more massive conductors).

CONCLUSIONS AND RECOMMENDATIONS

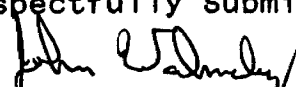
From the results of this program, it can be concluded that:

- 1) ANOMALY "B" AND THE SOUTH-EAST EXTENT OF ANOMALY "A", DISCERNED IN AN EARLIER GEOPHYSICAL PROGRAM INVOLVING MAGNETICS AND VLF-EM HAS BEEN VERIFIED BY THIS PROGRAM AND THAT THE ANOMALY HAS AN APPARENT STRIKE LENGTH OF 600 METRES.
- 2) THE RELATIVELY POOR RESPONSE OF THE MAX-MIN AND THE GOOD RESPONSE OF THE IP MAY POSSIBLY INDICATE THAT THE MINERALIZATION IS DISSEMINATED TO SEMI-MASSIVE RATHER THAN MASSIVE.
- 3) ANOMALY "D" FROM THE VLF-EM SURVEY WAS PICKED UP ON ONE LINE ONLY BY THE IP SURVEY.
- 4) BOTH SURVEYS SUPPORT RESULTS OBTAINED BY THE PREVIOUS GEOPHYSICAL PROGRAM.

Based on the results from this program, it is recommended that a geological mapping/prospecting program be carried out and overburden stripping be completed along with channel sampling. The target of the stripping should be concentrated along the baseline in an attempt to expose anomalies "B" and "A". Based on the results of the stripping and mapping, a diamond drilling program should be outlined.

October 21, 1989
Sault Ste. Marie, Ontario

Respectfully Submitted,


John R. Walmsley, B.Sc.
Geologist

Qual 2.3966

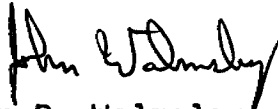
CERTIFICATE

With reference to my report on the exploration program conducted on the TBS-Zavitz Property for TBS Resource Developers Inc., dated October 21, 1989

I John R. Walmsley, of the City of Sault Ste. Marie, do hereby certify the following to be true and accurate to the best of my knowledge:

- 1) That I received my Geological Engineering Technician papers from the Sault College of Applied Arts and Technology in 1980,
- 2) That I received a B.Sc. degree in Earth Science, Geology Major, from the University of Western Ontario in 1984,
- 3) That I have been employed by various exploration companies since 1978,
- 4) That I am the author of the corresponding report, and have been actively exploring in the Timmins area for seven (8) of the past ten (11) years,
- 5) That I have no interest, direct or indirect, in the thirty-two claims comprising the property described in this report,
- 6) That I hold no interest or shares in the companies holding the property nor do I expect to receive such interest or shares in the future.

Dated this 21st day of Oct., 1989
Sault Ste. Marie, Ontario.


John R. Walmsley, B.Sc.
Geologist

Qual 2.3966

REFERENCES

Bright, E.G.; *Geology of the Ferrier Lake - Conoeshed Lake Area, District of Sudbury, Ontario*, Geological Survey Report 231, 60 pp. (1984).

MacRae, W.; *Diamond Drill Summary Report, Allerston Zavitz Township Property, Larder Lake Mining Division*, Internal Report, Newmont Exploration of Canada Limited, February, 1981.

Mazur, V.A.; *Geological Compilation Report on the Allerston Zavitz Property, Zavitz and Hincks Townships, Porcupine and Larder Lake Mining Divisions, Ontario*, March, 1988.

Pyke, D.R.; *Geology of the Peterlong Lake Area, Districts of Timiskaming and Sudbury, Ontario* Geological Survey Report Number 171, Map Number 2345, 1978.

Tremblay, J.H.; *Report on the Allerston Zavitz Property for 635540 Ontario Inc.*, Internal Report, MPH Consulting Limited, January, 1986.

Walmsley, J.R.; *Report on the Total Field Magnetic Survey and VLF-EM Survey Conducted on the TBS-Zavitz Property, Zavitz Township, Porcupine Mining District*, Internal Report, E.H. van Hees Geological Services Inc., October, 1989.

Appendix A
Claim Abstracts



Ministry of
Northern Development
and Mines

Mining
Claim

Entered <i>AB</i>	Checked <i>BB</i>
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Mining Act

Claim No.
P-1027468

Recorded in the Name of Daniel Bienias		Licence No. M-21289	Receipt No.	Date Recorded October 28, 1987
Address 289 B Pine South, Timmins, Ont.			Date and Time of Staking Oct. 17/87 AT 8:00 am	P.T. X
Office Use Only		Days Recorded	Balance	Description of Claim
Assessment Work Credits Assigned to other Claims				ZAVITZ TOWNSHIP - M 1189
				Reservations - 400 foot Surface Rights reservation around all lakes and rivers. Sand, gravel and peat reserved.
				File No. 1027468

Date	Days Work		Receipt No.
Oct. 17/88		(OC5) Commissioner extends time until and including July 31, 1989 for work and filing thereof. (08806.50174)	
<div data-bbox="673 970 1144 1325" data-label="Text"> <p>This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim.</p> <p>MAY 18 1989</p> <p><i>St. White</i></p> <p>Mining Recorder PORCUPINE MINING DIVISION</p> </div>			



Ministry of
Northern Development
and Mines

**Mining
Claim**

Entered <i>AB</i>	Checked <i>AB</i>
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Mining Act

Claim No. P-1027469

Recorded in the Name of Daniel Bienias		Licence No. M-21289	Receipt No.	Date Recorded October 28, 1987	
Address 289 B Pine South, Timmins, Ont.				Date and Time of Staking Oct. 17/87	P.T. X
				AT 10:15 am	
Office Use Only		Days Recorded	Balance	Description of Claim	
Assessment Work Credits Assigned to other Claims				-ZAVITZ TOWNSHIP - M 1189	
				Reservations - 400 foot Surface Rights reservation around all lakes and rivers. Sand, gravel and peat reserved.	
				File No. 1027468	

Date	Days Work	Receipt No.
Oct. 17/88		
<p>(OC5) Commissioner extends time until and including July 31, 1989 for work and filing thereof. (08806.50174)</p> <div style="border: 2px solid black; padding: 10px; width: fit-content; margin: auto;"> <p>This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim.</p> <p style="text-align: center;">MAY 18 1989 <i>White</i></p> <p style="text-align: center;">Mining Recorder PORCUPINE MINING DIVISION</p> </div>		



Ministry of
Northern Development
and Mines

Mining
Claim

Entered <i>BB</i>	Checked <i>BB</i>
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Mining Act

Claim No.
P-1027470

Recorded in the Name of Daniel Bienias		Licence No. M-21289	Receipt No.	Date Recorded October 28, 1987
Address 289 B Pine South, Timmins, Ont.			Date and Time of Staking Oct. 17 /87 AT 12:20 pm	P.T. X
Office Use Only		Days Recorded	Balance	Description of Claim
Assessment Work Credits Assigned to other Claims				ZAVITZ TOWNSHIP - M 1189
				Reservations - 400 foot Surface Rights reservation around all lakes and rivers. Sand, gravel and peat reserved.
				File No. 1027468

Date	Days Work		Receipt No.
Oct. 17/88		(OC5) Commissioner extends time until and including July 31, 1989 for work and filing thereof. (08806.50174)	
<div data-bbox="646 1015 1138 1397" data-label="Text"> <p>This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim.</p> <p>MAY 18 1989</p> <p><i>S. White</i></p> <p>MINING DIVISION</p> </div>			



Ministry of Northern Development and Mines

Ontario

Mining Claim

Entered	<i>BB</i>	Checked	<i>BB</i>
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Mining Act

Claim No.
P-1027471

Recorded in the Name of Daniel Bienias	Licence No. M-21289	Receipt No.	Date Recorded October 28, 1987
Address 289 B Pine South, Timmins, Ont.		Date and Time of Staking Oct. 17/87 AT 3:00 pm	P.T. X
Office Use Only		Days Recorded	Balance
Assessment Work Credits Assigned to other Claims			
Description of Claim ZAVITZ TOWNSHIP - M 1189			
Reservations - 400 foot Surface Rights reservation around all lakes and rivers. Sand, gravel and peat reserved.			
INCLUDING LAND UNDER WATER			
			File No. 1027468

Date	Days Work	Receipt No.
Oct. 17/88		(08806.50174)
<p>(OC5) Commissioner extends time until and including July 31, 1989 for work and filing thereof.</p> <div data-bbox="704 965 1188 1328" data-label="Text"> <p>This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim.</p> <p>MAY 18 1989</p> <p><i>White</i></p> <p>Mining Recorder PORCUPINE MINING DIVISION</p> </div>		



Ministry of Northern Development and Mines

Mining Claim

Entered *AB* Checked *KB*

Claim No. P-1027472

Mining Act

Recorded in the Name of Daniel Bienias		Licence No. M-21289	Receipt No.	Date Recorded October 28, 1987
Address 289 B Pine South, Timmins, Ont.		Date and Time of Staking Oct. 18 /87 AT 7:05 am		P.T. X
Office Use Only Assessment Work Credits Assigned to other Claims		Days Recorded	Balance	Description of Claim ZAVITZ TOWNSHIP - M 1189
				Reservations - 400 foot Surface Rights reservation around all lakes and rivers. Sand, gravel and peat reserved.
				EXCLUDING ROAD
				File No. 1027468

Date	Days Work	Receipt No.
Oct. 17/88		(08806.50174)
		<div data-bbox="701 944 1182 1315" style="border: 2px solid black; padding: 10px; margin: 10px; transform: rotate(-5deg);"> <p>This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim.</p> <p style="text-align: center;">MAY 18 1989</p> <p style="text-align: center;"><i>G White</i></p> <p style="text-align: center;">Mining Recorder PORCUPINE MINING DIVISION</p> </div>



Ministry of
Northern Development
and Mines

Mining
Claim

Entered <i>LB</i>	Checked <i>BB</i>
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Mining Act

Claim No.
P-1027473

Recorded in the Name of Daniel Bienias		Licence No. M-21289	Receipt No.	Date Recorded October 28, 1987
Address 289 B Pine South, Timmins, Ont.			Date and Time of Staking · Oct. 18/87 · AT 9:10 am	
Office Use Only		Days Recorded	Balance	Description of Claim
Assessment Work Credits Assigned to other Claims				ZAVITZ TOWNSHIP - M 1189
Reservations - 400 foot Surface Rights reservation around all lakes and rivers. Sand, gravel and peat reserved.				
· EXCLUDING ROAD				
				File No. 1027468

Date	Days Work		Receipt No.
Oct. 17/88		(OC5) Commissioner extends time until and including July 31, 1989 for work and filing thereof. (08806.50174)	
<div data-bbox="716 1015 1190 1364" data-label="Text" style="border: 1px solid black; padding: 5px;"> <p>This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim.</p> <p>MAY 18 1989</p> <p><i>G. White</i></p> <p>Mining Recorder PORCUPINE MINING DIVISION</p> </div>			



Ministry of
Northern Development
and Mines

Mining
Claim

Entered <i>JB</i>	Checked <i>LB</i>
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Mining Act

Claim No. P-1027474

Recorded in the Name of Daniel Bienias		Licence No. M-21289	Receipt No.	Date Recorded October 28, 1987
Address 289 B Pine South, Timmins, Ont.				Date and Time of Staking Oct. 18 /87 - AT 11:15 am
Office Use Only Assessment Work Credits Assigned to other Claims		Days Recorded	Balance	Description of Claim ZAVITZ TOWNSHIP - M 1189
				Reservations - 400 foot Surface Rights reservation around all lakes and rivers. Sand, gravel and peat reserved.
				EXCLUDING ROAD
				File No. 1027468

Date	Days Work		Receipt No.
Oct. 17/88		(OC5) Commissioner extends time until and including July 31, 1989 for work and filing thereof. (08806.50174)	
<div data-bbox="698 1002 1193 1390" data-label="Text"> <p>This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim.</p> <p>MAY 18 1989</p> <p><i>S. White</i></p> <p>Mining Recorder PORCUPINE MINING DIVISION</p> </div>			



Ministry of
Northern Development
and Mines

Ontario

Mining
Claim

Entered <i>JB</i>	Checked <i>BB</i>
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Mining Act

Claim No. P-1027476

Recorded in the Name of Daniel Bienias		Licence No. M-21289	Receipt No.	Date Recorded October 28, 1987
Address 289 B Pine South, Timmins, Ont.			Date and Time of Staking Oct. 19 /87 - AT 7:15 am	P.T. X
Office Use Only Assessment Work Credits Assigned to other Claims		Days Recorded	Balance	Description of Claim ZAVITZ TOWNSHIP - M 1189
				Reservations - 400 foot Surface Rights reservation around all lakes and rivers. Sand, gravel and peat reserved. EXCLUDING ROAD
				File No. 1027468

Date	Days Work		Receipt No.
Oct. 17/88		(OC5) Commissioner extends time until and including July 31, 1989 for work and filing thereof. (08806.50174)	
<div data-bbox="669 1039 1136 1386" data-label="Text"> <p>This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim.</p> <p>MAY 18 1989</p> <p><i>White</i></p> <p>Mining Recorder PORCUPINE MINING DIVISION</p> </div>			



Ministry of Northern Development and Mines

Mining Claim

Entered 25 Checked BB

Mining Act

Claim No. P-1027477

Recorded in the Name of Daniel Bienias		Licence No. M-21289	Receipt No.	Date Recorded October 28, 1987
Address 289 B Pine South, Timmins, Ont.			Date and Time of Staking Oct. 19 /87 AT 9:20 am	P.T. X
Office Use Only Assessment Work Credits Assigned to other Claims		Days Recorded	Balance	Description of Claim -ZAVITZ TOWNSHIP - M 1189 Reservations - 400 foot Surface Rights reservation around all lakes and rivers. Sand, gravel and peat reserved. -EXCLUDING ROAD
			File No. 1027468	

Date	Days Work		Receipt No.
Oct. 17/88		(OC5) Commissioner extends time until and including July 31, 1989 for work and filing thereof. <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <p>This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim.</p> <p style="text-align: center;">MAY 18 1989</p> <p style="text-align: center;"><i>[Signature]</i></p> <p style="text-align: center;">Mining Recorder PORCUPINE MINING DIVISION</p> </div>	(08806.50174)



Ministry of
Northern Development
and Mines

Mining
Claim

Entered <i>BB</i>	Checked <i>BB</i>
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Mining Act

Claim No.
P-1027478

Recorded in the Name of Daniel Bienias		Licence No. M-21289	Receipt No.	Date Recorded October 28, 1987
Address 289 B Pine South, Timmins, Ont.				Date and Time of Staking Oct. 19 /87 AT 11:30 am
Office Use Only		Days Recorded	Balance	Description of Claim ZAVITZ TOWNSHIP - M 1189
Assessment Work Credits Assigned to other Claims				Reservations - 400 foot Surface Rights reservation around all lakes and rivers. Sand, gravel and peat reserved.
				EXCLUDING ROAD
				File No. 1027468

Date	Days Work		Receipt No.
Oct. 17/88		(OC5) Commissioner extends time until and including July 31, 1989 for work and filing thereof.	
		<div data-bbox="641 937 1144 1325" data-label="Text"> <p>This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim.</p> <p>MAY 18 1989</p> <p><i>[Signature]</i> Mining Recorder PORCUPINE MINING DIVISION</p> </div>	(08806.50174)



Ministry of Northern Development and Mines

Mining Claim

Entered <i>RB</i>	Checked <i>BB</i>
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Claim No. P-1027479

Recorded in the Name of Daniel Bienias	Licence No. M-21289	Receipt No.	Date Recorded October 28, 1987
Address 289 B Pine South, Timmins, Ont.		Date and Time of Staking Oct. 19/87 AT 2:00 pm	P.T. X

Office Use Only	Days Recorded	Balance	Description of Claim
Assessment Work Credits Assigned to other Claims			- ZAVITZ TOWNSHIP - M 1189
			Reservations - 400 foot Surface Rights reservation around all lakes and rivers. Sand, gravel and peat reserved.
			-EXCLUDING ROAD

File No. 1027468

Date	Days Work		Receipt No.	
Oct. 17/88		(OC5) Commissioner extends time until and including July 31, 1989 for work and filing thereof.		
		<div style="border: 2px solid black; padding: 5px; width: fit-content;"> <p>This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim.</p> <p style="text-align: center;">MAY 18 1989</p> <p style="text-align: center;"><i>G White</i></p> <hr/> <p style="text-align: center;">Mining Recorder PORCUPINE MINING DIVISION</p> </div>		
				(08806.50174)



Ministry of
Northern Development
and Mines

Mining
Claim

Entered	Checked
<i>LB</i>	<i>BB</i>
Mining Act	

Claim No. P-1027480

Recorded in the Name of Daniel Bienias	Licence No. M-21289	Receipt No.	Date Recorded October 28, 1987
Address 289 B Pine South, Timmins, Ont.		Date and Time of Staking Oct. 20 /87 AT 9:00 am	P.T. X
Office Use Only Assessment Work Credits Assigned to other Claims		Days Recorded	Balance
Description of Claim ZAVITZ TOWNSHIP - M 1189			
Reservations - 400 foot Surface Rights reservation around all lakes and rivers. Sand, gravel and peat reserved.			
INCLUDING LAND UNDER WATER			
			File No. 1027468

Date	Days Work		Receipt No.	
Oct. 17/88		(OC5) Commissioner extends time until and including July 31, 1989 for work and filing thereof.	(08806.50174)	
		<table border="1"> <tr> <td> <p>This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim.</p> <p style="text-align: center;">MAY 18 1989</p> <p style="text-align: center;"><i>G. Whit</i></p> <p style="text-align: center;">Mining Recorder PORCUPINE MINING DIVISION</p> </td> </tr> </table>		<p>This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim.</p> <p style="text-align: center;">MAY 18 1989</p> <p style="text-align: center;"><i>G. Whit</i></p> <p style="text-align: center;">Mining Recorder PORCUPINE MINING DIVISION</p>
<p>This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim.</p> <p style="text-align: center;">MAY 18 1989</p> <p style="text-align: center;"><i>G. Whit</i></p> <p style="text-align: center;">Mining Recorder PORCUPINE MINING DIVISION</p>				



Ministry of Northern Development and Mines

Mining Claim

Entered *AB* Checked *CB*

Mining Act

Claim No. P-1027481

Recorded in the Name of Daniel Bienias		Licence No. M-21289	Receipt No.	Date Recorded October 28, 1987
Address 289 B Pine South, Timmins, Ont.			Date and Time of Staking Oct. 20/87 AT 10:15 am	P.Y. X
Office Use Only		Days Recorded	Balance	Description of Claim -ZAVITZ TOWNSHIP - M 1189 Reservations - 400 foot Surface Rights reservation around all lakes and rivers. Sand, gravel and peat reserved. INCLUDING LAND UNDER WATER
Assessment Work Credits Assigned to other Claims				
				File No. 1027468

Date	Days Work		Receipt No.
Oct. 17/88		(OC5) Commissioner extends time until and including July 31, 1989 for work and filing thereof. (08806.50174)	
<div data-bbox="701 1000 1175 1345" data-label="Text"> <p>This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim.</p> <p><i>MAY 18 1989</i> <i>S. White</i></p> <p>_____ Mining Recorder PORCUPINE MINING DIVISION</p> </div>			



Ministry of
Northern Development
and Mines

**Mining
Claim**

Entered <i>BB</i>	Checked <i>BB</i>
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Mining Act

Claim No. P-1027482

Recorded in the Name of Daniel Bienias	Licence No. M-21289	Receipt No.	Date Recorded October 28, 1987
Address 289 B Pine South, Timmins, Ont.			Date and Time of Staking Oct. 20 /87 AT 1:00 pm
Office Use Only		Days Recorded	Balance
Assessment Work Credits Assigned to other Claims			
			Description of Claim ZAVITZ TOWNSHIP - M 1189
			Reservations - 400 foot Surface Rights reservation around all lakes and rivers. Sand, gravel and peat reserved.
			INCLUDING LAND UNDER WATER
			File No. 1027468

Date	Days Work		Receipt No.	
Oct. 17/88		(OC5) Commissioner extends time until and including July 31, 1989 for work and filing thereof. (08806.50174)		
		<table border="1"> <tr> <td> This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim. MAY 18 1989 <i>[Signature]</i> Mining Recorder PORCUPINE MINING DIVISION </td> </tr> </table>		This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim. MAY 18 1989 <i>[Signature]</i> Mining Recorder PORCUPINE MINING DIVISION
This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim. MAY 18 1989 <i>[Signature]</i> Mining Recorder PORCUPINE MINING DIVISION				



Ministry of
Northern Development
and Mines

Mining Claim

Mining Act

Claim No.
P-1087850

Recorded in the Name of RICHARD BRENT MCALLISTER		Licence No. M-23728	Date Recorded October 17, 1988
Address 124 Tamarack Street, Timmins, Ontario		Date and Time of Staking Oct. 6/88 AT: 11:00 a.m.	P.T. X
Office Use Only Assessment Work Credits Assigned to other Claims		Days Recorded	Balance
Description of Claim ZAVITZ TOWNSHIP M-1189			
Reservations - 400 foot Surface Rights reservation around all lakes and rivers. Sand, gravel and peat reserved.			
			File No. R8806.50263

Date	Days Work	
Oct. 17/88		(T10) Brent McAllister (M-23728) transfers 100% to Canadian Nickel Company (A-17527). (T8806.50214)

This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim.

G. White
MAY 18 1989
Mining Recorder
PORCUPINE MINING DIVISION



Ministry of
Northern Development
and Mines

Mining Claim

Mining Act

Claim No.
L 1032812

Recorded in the Name of Michael W. Peplinski		Licence No. M 21221	Receipt No. 5763	Date Recorded March 25, 1988	
Address P.O. Box 2265 TIMMINS, Ontario P4N 7X8				Date and Time of Staking March 17, 1988 at 2:40 p.m.	P.Y. X
Office Use Only		Days Recorded	Balance	Description of Claim	
Assessment Work Credits Assigned to other Claims				HINCKS TOWNSHIP (M-223) Former 876609 Reservations - 400 foot Surface Rights reservation around all lakes and rivers. Sand, gravel and peat reserved. Other reservations under The Mining Act may apply.	
				File No. L 1032812	

Date	Days Work		Receipt No.
Apr. 5/88		(T1) Michael Peplinski transfers 100% interest to Ralph E. Allerston (M-13613) (170/88)	
Apr. 3/89		(OC5) Commissioner extends time until and including December 15, 1989 for work and filing thereof. (178/89)	

This Abstract is a copy of the entries in
the Record Book and is not to be con-
sidered as assurance of the validity of
the claim

JUN - 9 1989

M.A. Wiseman
Mining Recorder
LARDER LAKE MINING DIVISION



Ministry of
Northern Development
and Mines

**Mining
Claim**

Mining Act

Claim No.
L 1032813

Recorded in the Name of Michael W. Peplinski		Licence No. M 21221	Receipt No. 5763	Date Recorded March 25, 1988	
Address P.O. Box 2265 TIMMINS, Ontario P4N 7X8				Date and Time of Staking March 17, 1988 at 12:00 noon	P.Y. X
Office Use Only		Days Recorded	Balance	Description of Claim	
Assessment Work Credits Assigned to other Claims				HINCKS TOWNSHIP (M-223) Former 876610	
				Reservations - 400 foot Surface Rights reservation around all lakes and rivers. Sand, gravel and peat reserved.	
				File No. L 1032812	

Date	Days Work		Receipt No.	
Apr. 5/88		(T1) Michael Peplinski transfers 100% interest to Ralph E. Allerston (M-13613)- (170/88)		
Apr. 3/89		(OC5) Commissioner extends time until and including December 15, 1989 for work and filing thereof (178/89)		
		<p>This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim.</p> <p>JUN - 9 1989</p> <p><i>M.A. Weirmer</i> Mining Recorder LAUDER LAKE MINING DIVISION</p>		



Mining Act

Claim No. L 1032814

Recorded in the Name of Michael W. Peplinski		Licence No. M 21221	Receipt No. 5763	Date Recorded March 25, 1988	
Address P.O. Box 2265 TIMMINS, Ontario P4N 7X8				Date and Time of Staking March 17, 1988 at 9:35 a.m.	P.Y. X
Office Use Only Assessment Work Credits Assigned to other Claims		Days Recorded	Balance	Description of Claim HINCKS TOWNSHIP (M-223) Former 876611	
				Reservations - 400 foot Surface Rights reservation around all lakes and rivers. Sand, gravel and peat reserved. Other reservations under The Mining Act may apply.	
					File No. L 1032812

Date	Days Work		Receipt No.
Apr. 5/88		(T1) Michael Peplinski transfers 100% interest to	
		Ralph E. Allerston (M-13613) * (170/88)	
Apr. 3/89		(OC5) Commissioner extends time until and	
		including December 15, 1989 for work and filing	
		thereof- (178/89)	
		<div data-bbox="766 1181 1140 1563" data-label="Text"> <p>This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim.</p> <p>JUN - 9 1989</p> <p>M. A. Weirmer Mining Recorder LARDER LAKE MINING DIVISION</p> </div>	



Ministry of
Northern Development
and Mines

**Mining
Claim**

Mining Act

Claim No.
L 1032815

Recorded in the Name of Michael W. Peplinski		Licence No. M 21221	Receipt No. 5763	Date Recorded March 25, 1988	
Address P.O. Box 2265 TIMMINS, Ontario P4N 7X8				Date and Time of Staking March 17, 1988 at 7:15 a.m.	P.Y. X
Office Use Only		Days Recorded	Balance	Description of Claim	
Assessment Work Credits Assigned to other Claims				HINCKS TOWNSHIP (M-223) Former 876612	
				Reservations - 400 foot Surface Rights reservation around all lakes and rivers. Sand, gravel and peat reserved. Other reservations under The Mining Act may apply.	
				File No. L 1032812	

Date	Days Work		Receipt No.	
Apr. 5/88		(T1) Michael Peplinski transfers 100% interest to Ralph E. Allerston (M-13613)* (170/88)		
Apr. 3/89		(OC5) Commissioner extends time until and including December 15, 1989 for work and filing thereof. (178/89)		
		<div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>This Abstract is a copy of the entries in the Record Book and is not to be con- sidered as assurance of the validity of the claim.</p> <p>JUN - 9 1989</p> <p><i>M. A. Weirmeis</i> Mining Recorder LARBOR LAKE MINING DIVISION</p> </div>		



Ministry of
Northern Development
and Mines

**Mining
Claim**

Mining Act

Claim No.
L 1032816

Recorded in the Name of Michael W. Peplinski		Licence No. M 21221	Receipt No. 5763	Date Recorded March 25, 1988
Address P.O. Box 2265 TIMMINS, Ontario P4N 7X8			Date and Time of Staking March 16, 1988 at 2:45 p.m.	P.T. X
Office Use Only		Days Recorded	Balance	Description of Claim
Assessment Work Credits Assigned to other Claims				HINCKS TOWNSHIP (M-223) Former 876613
				Reservations - 400 foot Surface Rights reservation around all lakes and rivers. Sand, gravel and peat reserved.
				Other reservations under The Mining Act may apply.
				File No. L 1032812

Date	Days Work		Receipt No.	
Apr. 5/88		(T1) Michael Peplinski transfers 100% interest to Ralph E. Allerston (M-13613) (170/88)		
Apr. 3/89		(OC5) Commissioner extends time until and including December 15, 1989 for work and filing thereof (178/89)		
		<div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim.</p> <p>JUN - 9 1989</p> <p><i>M. A. Weirmeister</i> Mining Recorder LARDER LAKE MINING DIVISION</p> </div>		



Ministry of
Northern Development
and Mines

**Mining
Claim**

Mining Act

Claim No.
L 1032817

Recorded in the Name of Michael W. Peplinski		Licence No. M 21221	Receipt No. 5763	Date Recorded March 25, 1988	
Address P.O. Box 2265 TIMMINS, Ontario P4N 7X8				Date and Time of Staking March 16, 1988 at 12:30 p.m.	P.Y. X
Office Use Only		Days Recorded	Balance	Description of Claim	
Assessment Work Credits Assigned to other Claims				HINCKS TOWNSHIP (M-223) Former 876614	
				Reservations - 400 foot Surface Rights reservation around all lakes and rivers. Sand, gravel and peat reserved.	
				File No. L 1032812	

Date	Days Work		Receipt No.
Apr. 5/88		(T1) Michael Peplinski transfers 100% interest to	
		Ralph E. Allerston (M-13613) - (170/88)	
Apr. 3/89		(OC5) Commissioner extends time until and	
		including December 15, 1989 for work and filing	
		thereof - (178/89)	

This extract is a copy of the entries in
the Record Book and is not to be con-
sidered as assurance of the validity of
the claim.

JUN - 9 1989

M. A. Weirman
Mining Recorder
LARDER LAKE MINING DIVISION



Ministry of
Northern Development
and Mines

**Mining
Claim**

Mining Act

Claim No.
L 1032818

Recorded in the Name of Michael W. Peplinski		Licence No. M 21221	Receipt No. 5763	Date Recorded March 25, 1988
Address P.O. Box 2265 TIMMINS, Ontario P4N 7X8			Date and Time of Staking March 16, 1988 at 10:15 a.m.	P.Y. X
Office Use Only		Days Recorded	Balance	Description of Claim HINCKS TOWNSHIP (M-223) Former 528782
Assessment Work Credits Assigned to other Claims				
				Reservations - 400 foot Surface Rights reservation around all lakes and rivers. Sand, gravel and peat reserved.
				File No. L 1032812

Date	Days Work		Receipt No.
Apr. 5/88		(T1) Michael Peplinski transfers 100% interest to Ralph E. Allerston (M-13613)* (170/88)	
Apr. 3/89		(OC5) Commissioner extends time until and including December 15, 1989 for work and filing thereof* (178/89)	

This Abstract is a copy of the entries in
the Record Book and is not to be con-
sidered as assurance of the validity of
the claim.

JUN - 9 1989

M. A. Weirmer
Mining Recorder
LARDER LAKE MINING DIVISION



Ministry of
Northern Development
and Mines

**Mining
Claim**

Mining Act

Claim No. L 1032819
File No. L 1032812

Recorded in the Name of Michael W. Peplinski	Licence No. M 21221	Receipt No. 5763	Date Recorded March 25, 1988
Address P.O. Box 2265 TIMMINS, Ontario P4N 7X8			Date and Time of Staking March 16, 1988 at 8:00 a.m.
Office Use Only Assessment Work Credits Assigned to other Claims		Days Recorded	Balance
Description of Claim HINCKS TOWNSHIP (M-223) Former 876615			
Reservations - 400 foot Surface Rights reservation around all lakes and rivers. Sand, gravel and peat reserved.			
Other reservations under The Mining Act may apply.			

Date	Days Work		Receipt No.
Apr. 5/88		(T1) Michael Peplinski transfers 100% interest to Ralph E. Allerston (M-13613)* (170/88)	
Apr. 3/89		(OC5) Commissioner extends time until and including December 15, 1989 for work and filing thereof. (178/89)	

This Abstract is a copy of the entries in
 the Record Book and is not to be con-
 sidered as assurance of the validity of
 the claim

JUN - 9 1989
M. A. Weirmer
 Mining Recorder
 LARDEE LAKE MINING DIVISION

AUDIT NUMBER

474286

Entered

P.D.

Checked

8/2



Ministry of Natural Resources

Mining Claim

The Mining Act

CLAIM NO.

L. 848522

RECORDED IN THE NAME OF Nolan Roa	LICENCE NO. 4 8687	RECEIPT NO. 1035	DATE RECORDED September 10/85
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ADDRESS 33 Pine St S, Apt. D, Box 581 Timmins Ont.	DATE AND TIME OF STAKING August 11/85 at 8:00 am	P.T. X
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ASSESSMENT WORK CREDITS ASSIGNED TO OTHER CLAIMS	OFFICE USE ONLY	DAYS RECORDED	BALANCE	DESCRIPTION OF CLAIM
	R. Allerston M13613 R. Allerston	1248 56 <u>1304</u>	2752 2696	ZAVITZ TR: M 1187 including land under water ✓ RESERVATIONS — 400 FOOT SURFACE RIGHTS RESERVATION AROUND ALL LAKES AND RIVERS. SAND AND GRAVEL RESERVED. PEAT RESERVED.

FILE NO.

848522

DATE	DAYS WORK		RECEIPT NO.
Dec. 16/85	71	Transfer all interest to Ralph E. Allerston M13613 (12/85) PDRILL	2404
Sept. 2/86	160	Diamond Drilling (performed on 848522) (352/86)	
Sept. 2/86	30	X 77-19 Section 77-19 (assays) Approved SEP 23 1986 (354/86)	

This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim.

JUN 21 1989

 Mining Recorder
 PORCUPINE MINING DIVISION

REC'D NUMBER

474288

Entered

AN

Checked

673



Natural Resources

The Mining Act

CLAIM NO.

L 853204

RECORDED IN THE NAME OF Nolan Boa	LICENCE NO. H 8687	RECEIPT NO. 1035	DATE RECORDED September 10/85
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ADDRESS 33 Pine St S, Apt. D, Box 581 Timmins Ont.	DATE AND TIME OF STAKING August 11/85 at 12:00 noon	P.T.
--	---	------

ASSESSMENT WORK CREDITS ASSIGNED TO OTHER CLAIMS	OFFICE USE ONLY	DAYS RECORDED	BALANCE	DESCRIPTION OF CLAIM ZAVITZ TWP: including land under water
	RESERVATIONS — 400 FOOT SURFACE RIGHTS RESERVATION AROUND ALL LAKES AND RIVERS. SAND AND GRAVEL RESERVED. PEAT RESERVED.			

FILE NO. 848522

DATE	DAYS WORK		RECEIPT NO.
Dec. 16/85		Transfer all interest to Ralph E Allerston M13613 (12/85)	2404
Sept. 2/86	160	Diamond Drilling (performed on 848522) (352/86)	
Sept. 2/86	7	Core Specimens (performed on 848522) (353/86)	
Sept. 2/86	23	Section 77-19 (assays) Approved SEP 23 1986 (354/86)	
<div data-bbox="738 1045 1193 1369" data-label="Text"> <p>This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim.</p> <p>MAY 18 1989</p> <p><i>[Signature]</i></p> <p>Mining Recorder PORCUPINE MINING DIVISION</p> </div>			

474290

Entered

Checked



Natural Resources

The Mining Act

CLAIM NO

L 853206

RECORDED IN THE NAME OF

LICENCE NO.

RECEIPT NO.

DATE RECORDED

Nolan Bon

H 8687

1035

September 10 185

33 Pine St S, Apt. D, Box 581
Timmins Ont.

DATE AND TIME OF STAKING

August 12 185
at 9:00 am

ASSESSMENT WORK CREDITS ASSIGNED TO OTHER CLAIMS	OFFICE USE ONLY	DAYS RECORDED	BALANCE	DESCRIPTION OF CLAIM

FILE NO.

848522

DATE	DAYS WORK		RECEIPT NO.
Dec. 16/85		Transfer all interest to Ralph E. Allerston M13613 (12/85)	2404
Sept. 2/86	160	Diamond Drilling (performed on 848522) (352/86)	
Sept. 2/86	7	Core Specimens (performed on 848522) (353/86)	
Sept. 2/86	23	Section 77-19 (assays) Approved SEP 23 1986 (354/86)	
<div data-bbox="711 993 1170 1328" data-label="Text"> <p>This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim.</p> <p>MAY 18 1989</p> <p><i>[Signature]</i> Mining Recorder PORCUPINE MINING DIVISION</p> </div>			

ACCOUNT NUMBER

474291

Entered

an

Checked

AK



Natural Resources

The Mining Act

CLAIM NO

L 853207

RECORDED IN THE NAME OF Nolan Roa	LICENCE NO. M 8627	RECEIPT NO. 1035	DATE RECORDED September 10/85
--------------------------------------	-----------------------	---------------------	----------------------------------

ADDRESS 33 Pine St S, Apt. D, Box 581 Timmins Ont.	DATE AND TIME OF STAKING August 12/85 at 11:00 am
--	---

OFFICE USE ONLY	DAYS RECORDED	BALANCE	DESCRIPTION OF CLAIM
			ZAVITZ TWP; including land under water
RESERVATIONS — 400 FOOT SURFACE RIGHTS RESERVATION AROUND ALL LAKES AND RIVERS. SAND AND GRAVEL RESERVED. PEAT RESERVED.			
			FILE NO. 848522

DATE	DAYS WORK		RECEIPT NO.
Dec. 16/85		Transfer all interest to Ralph E. Allerston M13613 (12/85)	2404
Sept. 2/86	160	Diamond Drilling (performed on 848522) (352/86)	
Sept. 2/86	7	Core Specimens (performed on 848522) (353/86)	
Sept. 2/86	33	Section 77-19 (assays) Approved SEP 23 1986 (354/86)	

This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim.

MAY 18 1969

[Signature]

PORCUPINE

AUDIT NUMBER

474292

Entered

aw

Checked

KH



Natural Resources

Mining Claim

The Mining Act

CLAIM NO

L 253200

RECORDED IN THE NAME OF Nolan Boa	LICENCE NO. T 8687	RECEIPT NO. 1035	DATE RECORDED September 10/85
ADDRESS 33 Pine St S, Apt. D, Box 581 Timmins Ont.	DATE AND TIME OF STAKING August 12/85 at 1:00 pm		P.T.

ASSESSMENT WORK CREDITS ASSIGNED TO OTHER CLAIMS	OFFICE USE ONLY	DATE RECORDED	BALANCE	DESCRIPTION OF CLAIM ZAVITZ TWP including land under water
	RESERVATIONS — 400 FOOT SURFACE RIGHTS RESERVATION AROUND ALL LAKES AND RIVERS. SAND AND GRAVEL RESERVED. PEAT RESERVED.			

FILE NO. 848522

DATE	DAYS WORK		RECEIPT NO.
Dec. 16/85		Transfer all interest to Ralph E. Allerston M13613 (12/85)	2404
Sept. 2/86	144	Diamond Drilling (performed on 848522) (352/86)	
Sept. 2/86	7	Core Specimens (performed on 848522) (353/86)	
Sept. 2/86	25	Section 77-19 (assays) Approved SEP 23 1986 (354/86)	

This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim.

MAY 18 1989

S. White

Mining Recorder
PORCUPINE MINING DIVISION

BOOK NUMBER

474293

Energy S.S. Checked



Natural Resources

Mining Claims

The Mining Act

CLAIM NO

L 853200

RECORDED IN THE NAME OF
Nolan Boa

LICENCE NO.
H 8687

RECEIPT NO.
1035

DATE RECORDED
September 10/85

ADDRESS
33 Pine St S, Apt. D, Box 581
Timmins Ont.

DATE AND TIME OF STAKING
August 12/85
at 3:00 P.M.

ASSESSMENT WORK CREDITS ASSIGNED TO OTHER CLAIMS	OFFICE USE ONLY	DAYS RECORDED	BALANCE	DESCRIPTION OF CLAIM

FILE NO
848522

DATE	DAYS WORK		RECEIPT NO.
Dec. 16/85	71	Transfer all interest to Ralph E. Allerston M13613 (12/85)	2404
Sept. 2/86	144	PDRILL Diamond Drilling (performed on 848522) (352/86)	
Sept. 2/86	7	X77-19 Core Specimens (performed on 848522) (353/86)	

This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim.

MAY 18 1989

[Signature]

Mining Recorder
PORCUPINE MINING DIVISION

474294

Entered *an* Checked *kg*



Natural Resources

Mining Claim

The Mining Act

CLAIM NO

L 853300

RECORDED IN THE NAME OF Nolan Roa	LICENCE NO. 2687	RECEIPT NO. 1035	DATE RECORDED September 10/85
ADDRESS 33 Pine St S, Apt. D, Box 581 Timmins Ont.			DATE AND TIME OF STAKING August 12/85 at 5:00

ASSESSMENT WORK CREDITS ASSIGNED TO OTHER CLAIMS	OFFICE USE ONLY	DAYS RECORDED	BALANCE	DESCRIPTION OF CLAIM ZAVITZ TWP including land under water
	RESERVATIONS — 400 FOOT SURFACE RIGHTS RESERVATION AROUND ALL LAKES AND RIVERS. SAND AND GRAVEL RESERVED. PEAT RESERVED.			

FILE NO.
848522

DATE	DAYS WORK	RECEIPT NO.
Dec. 16/85		2404
Sept. 2/86	160	
Sept. 2/86	7	
Sept. 2/86	33	

Transfer all interest to Ralph E. Allerston M13613 (12/85) (352/86)
 Diamond Drilling (performed on 848522) (353/86)
 Core Specimens (performed on 848522) (354/86)
 Section 77-19 (assays) Approved SEP 23 1986 (354/86)

This Abstract is a copy of the entries in the Record Book and is not to be considered as assurance of the validity of the claim.

MAY 18 1986
[Signature]

Mining Records
PORCUPINE MINING DIVISION

Appendix B

Instrument Specifications

9.0 SPECIFICATIONS

9.1 Standard Console Specifications

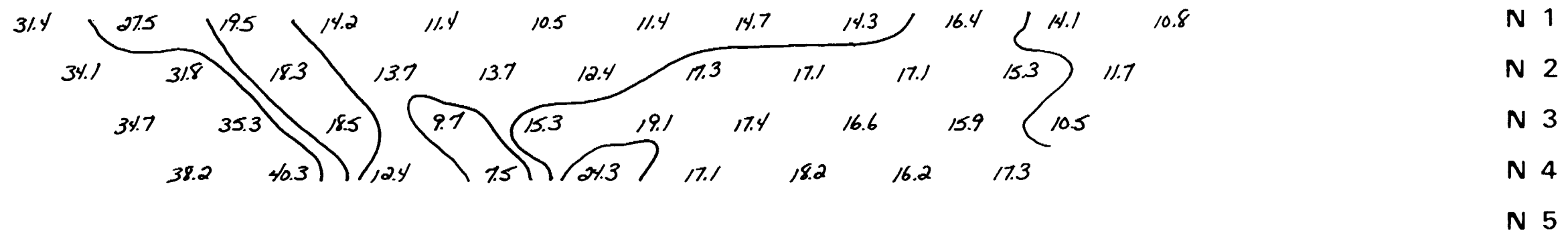
Digital Display	32 character, 2 line LCD display
Keyboard Input	14 keys for entering all commands, coordinates, header and ancillary information.
Languages	English plus French is standard.
Standard Memory	16K RAM. More than sufficient for a day's data in most applications.
Clock	Real time clock with day, month, year, hour, minute and second. One second resolution, ± 1 second stability over 12 hours. Needs keyboard initialization only after battery replacement.
Digital Data Output	RS-232C serial interface for digital printer, modem, micro-computer or cassette tape recorder. Data outputs in 7 bit ASCII, no parity format. Baud rate is keyboard selectable at 110, 300, 600 and 1200 baud. Carriage return delay is keyboard selectable in increments of one from 0 through 999. Handshaking is done through X-ON/X-OFF protocol. Allows IGS-2 to act as a master for other instrumentation.
Analog Output	For a strip chart recorder. 0 to 999 mV full scale with keyboard selectable sensitivities of 10, 100 or 1000 units full scale.

7.50-w 7.00-w 6.50-w 6.00-w 5.50-w 5.00-w 4.50-w 4.00-w 3.50-w 3.00-w 2.50-w 2.00-w 1.50-w 1.00-w 0.50-w

RESISTIVITY (APP) IN OHM METERS

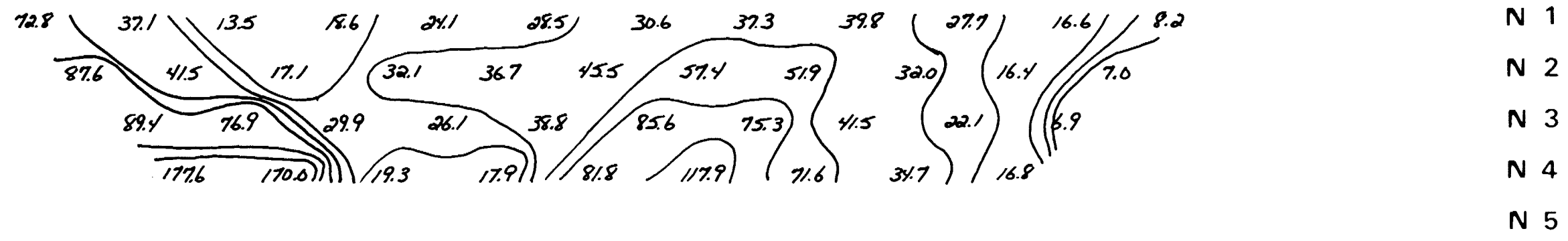


PHASE (MRAD) AT 10 Hz



7.50-w 7.00-w 6.50-w 6.00-w 5.50-w 5.00-w 4.50-w 4.00-w 3.50-w 3.00-w 2.50-w 2.00-w 1.50-w 1.00-w 0.50-w

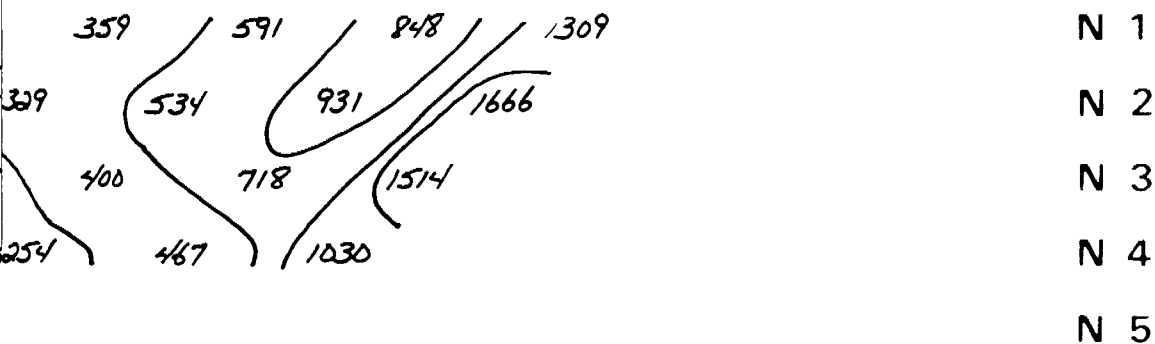
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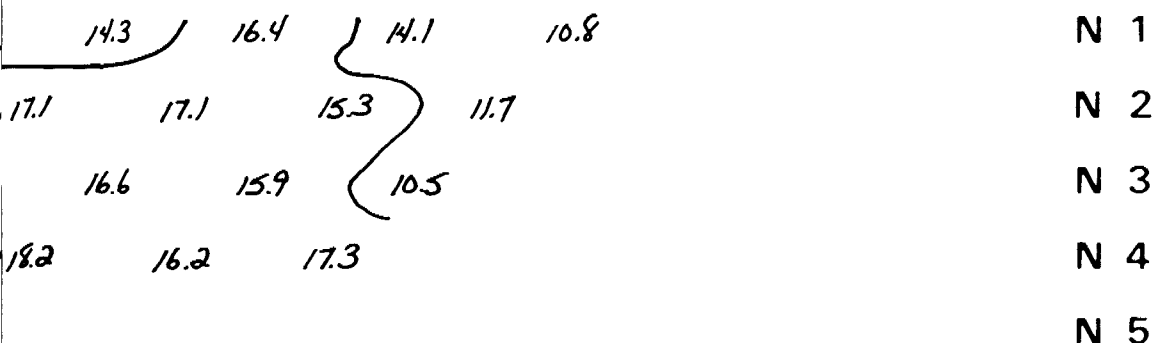
← FLAT →

3+00-w 2+50-w 2+00-w 1+50-w 1+00-w 0+50-w

RESISTIVITY (APP) IN OHM METERS

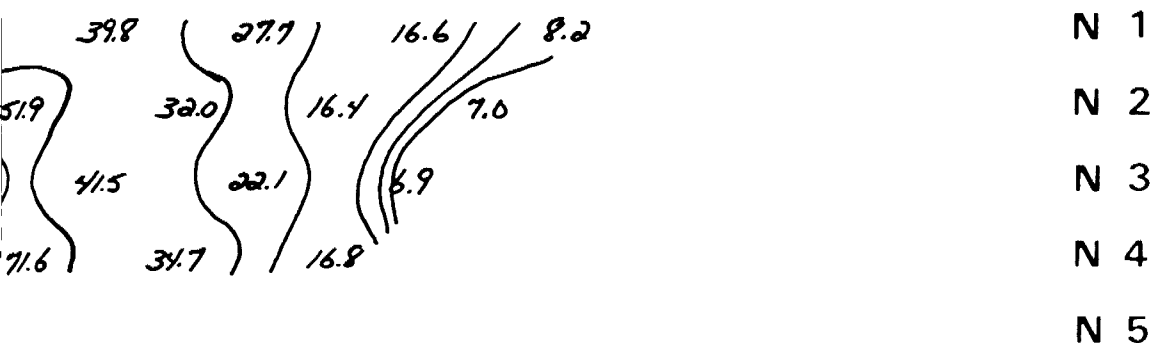


PHASE (MRAD) AT 1.0 Hz.



3+00-w 2+50-w 2+00-w 1+50-w 1+00-w 0+50-w

METAL FACTOR (APP)

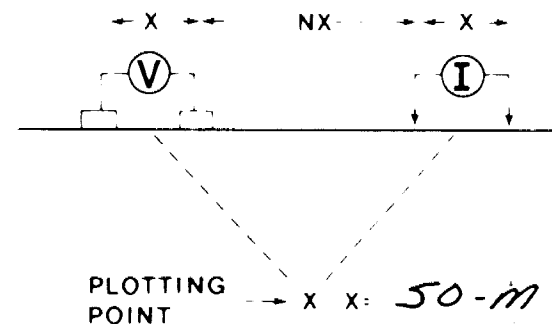


INDUCED POLARIZATION AND RESISTIVITY SURVEY

COMPANY: *TBS-ZAVITZ I.P. PROGRAM*
 Property: *ZAVITZ TWP.*

LINE No. *8+00-3*

ELECTRODE CONFIGURATION
(DIPOLE - DIPOLE)



SURFACE PROJECTION OF ANOMALOUS ZONES

2.12891

DEFINITE
 PROBABLE
 POSSIBLE

INSTRUMENT: PHOENIX IPV-4 SPECTRAL FREQUENCY: 1.0 Hz
 IPT-1 CR-2

*NOTE: CONTOURS AT LOGARITHMIC INTERVALS (1.1.5.2.3.5.7.5.10)

DATE SURVEYED:
July - 12 - 1989

APPROVED:
R. Belanger

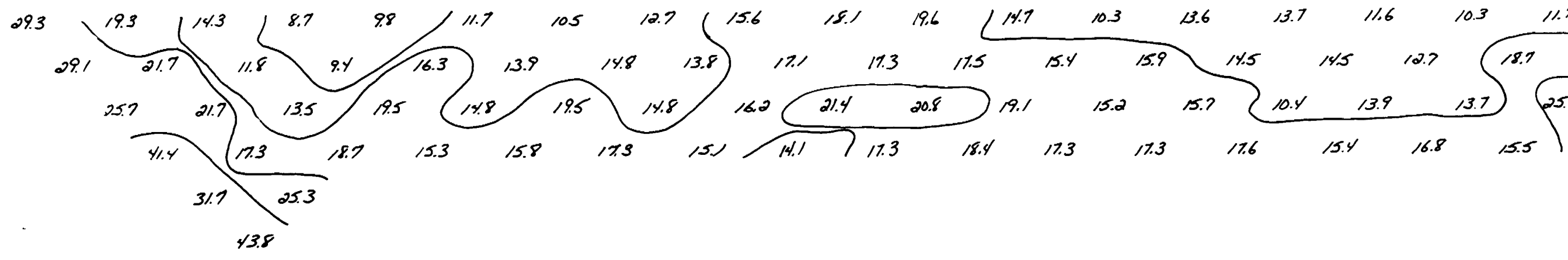
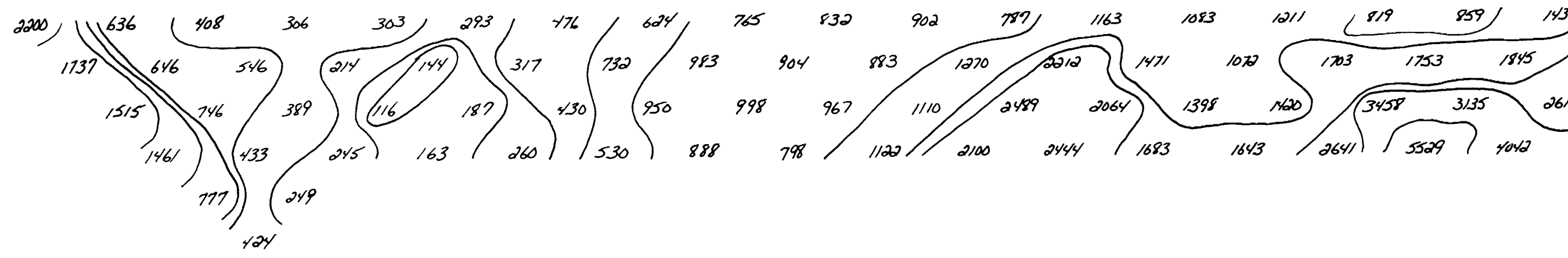
OPERATOR:
JEAN-GUY DUBÉ

DATE:
July 19-89

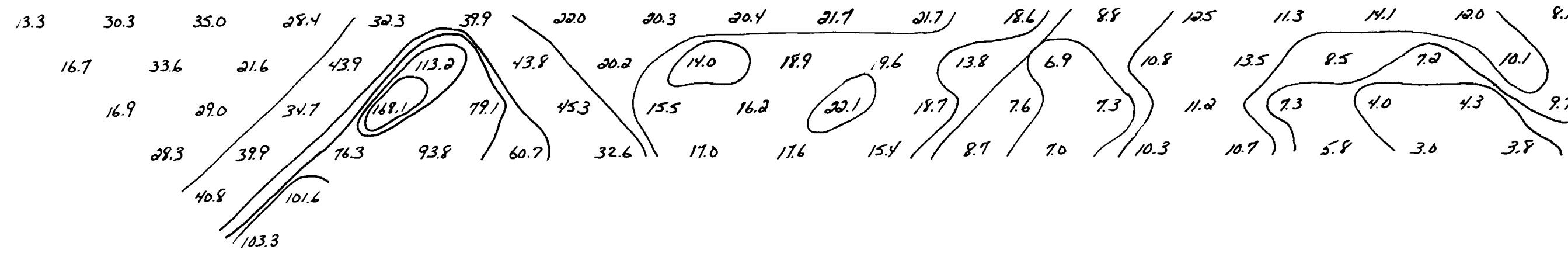


REMY BELANGER INC.

8+50-W 8+00-W 7+50-W 7+00-W 6+50-W 6+00-W 5+50-W 5+00-W 4+50-W 4+00-W 3+50-W 3+00-W 2+50-W 2+00-W 1+50-W 1+00-W 0+50-W 0+00 0+50-E



8+50-W 8+00-W 7+50-W 7+00-W 6+50-W 6+00-W 5+50-W 5+00-W 4+50-W 4+00-W 3+50-W 3+00-W 2+50-W 2+00-W 1+50-W 1+00-W 0+50-W 0+00 0+50-E



← FLAT →

INDUCED POLARIZATION AND RESISTIVITY SURVEY

COMPANY: TBS - ZAVITZ I.P. PROGRAM
Property: ZAVITZ TWP.

LINE No. 7-00-S

ELECTRODE CONFIGURATION
(DIPOLE - DIPOLE)

- X - - NX - - X -



PLOTTING POINT - x x 50 m.

SURFACE PROJECTION OF ANOMALOUS ZONES **2.12891**

DEFINITE
PROBABLE
POSSIBLE

INSTRUMENT PHOENIX IPV-4 SPECTRAL FREQUENCY 1.0 Hz
IPT-1 CR-2

*NOTE CONTOURS AT LOGARITHMIC INTERVALS (1.1.5.2.3.5.7.5.10)

DATE SURVEYED:
July-11-12- 1989

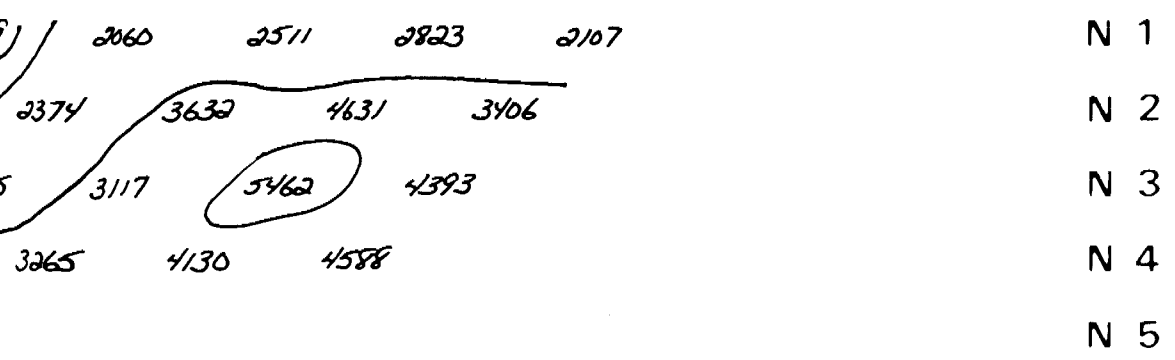
APPROVED:
R. Belanger

OPERATOR:
JEAN-GUY DUBÉ

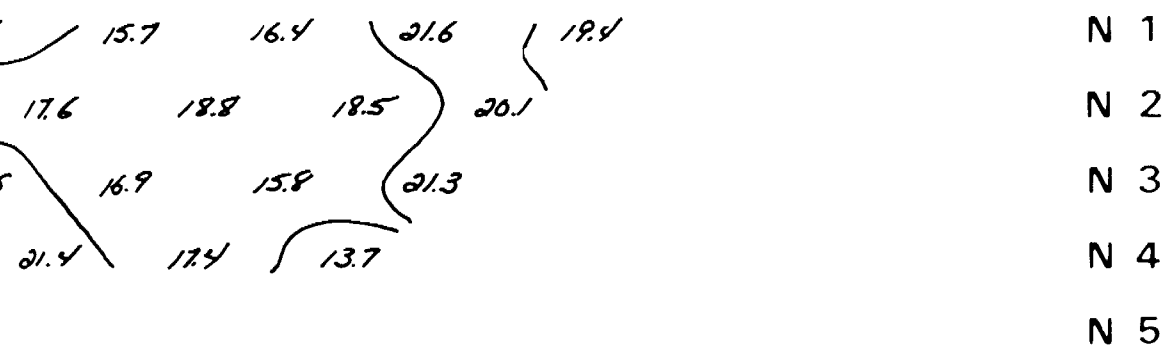
DATE:
July 19-89

1+00-E 1+50-E 2+00-E 2+50-E 3+00-E 3+50-E

RESISTIVITY (APP) IN OHM METERS

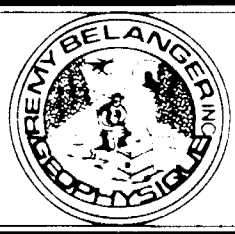
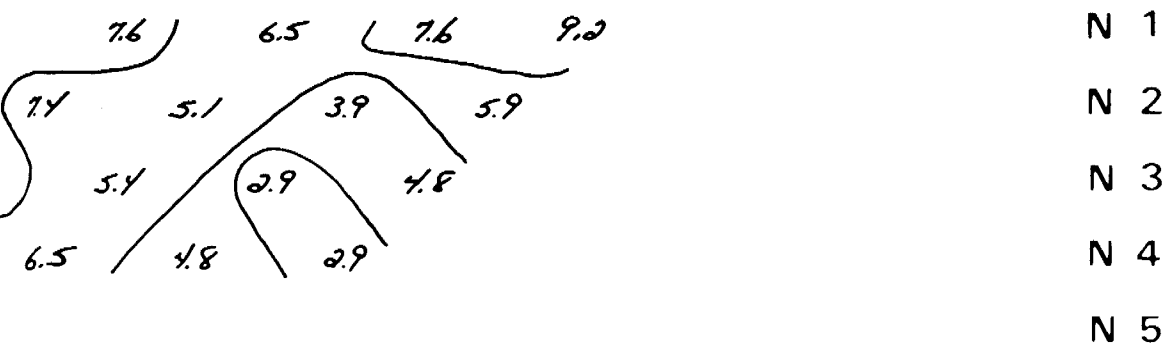


PHASE (MRAD) AT 10 Hz



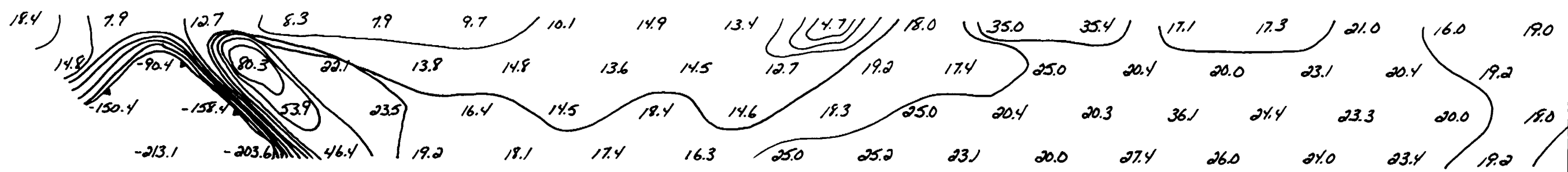
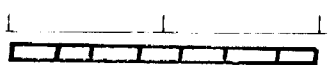
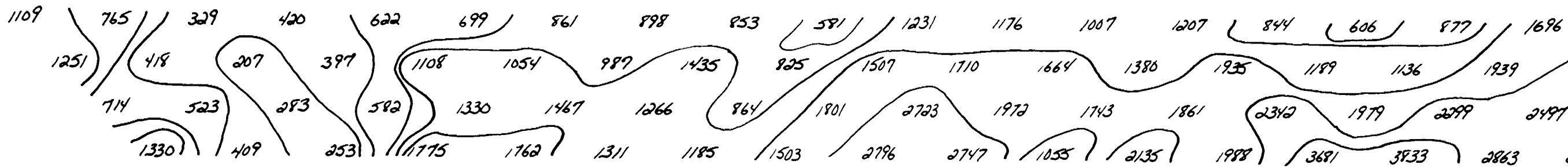
1+00-E 1+50-E 2+00-E 2+50-E 3+00-E 3+50-E

METAL FACTOR (APP)

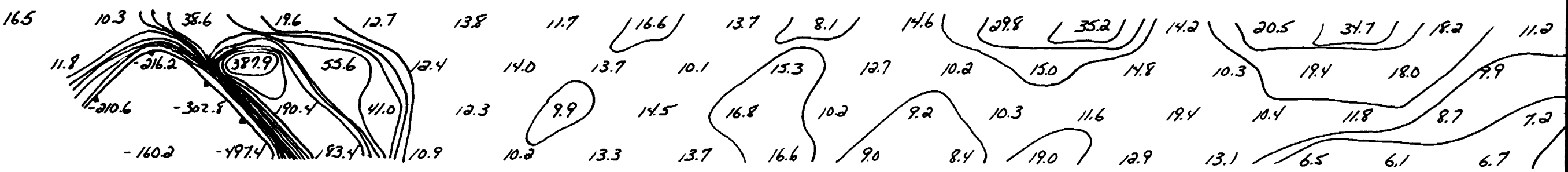


REMY BELANGER INC.

8+50-W 8+00-W 7+50-W 7+00-W 6+50-W 6+00-W 5+50-W 5+00-W 4+50-W 4+00-W 3+50-W 3+00-W 2+50-W 2+00-W 1+50-W 1+00-W 0+50-W 0+00 0+50-E

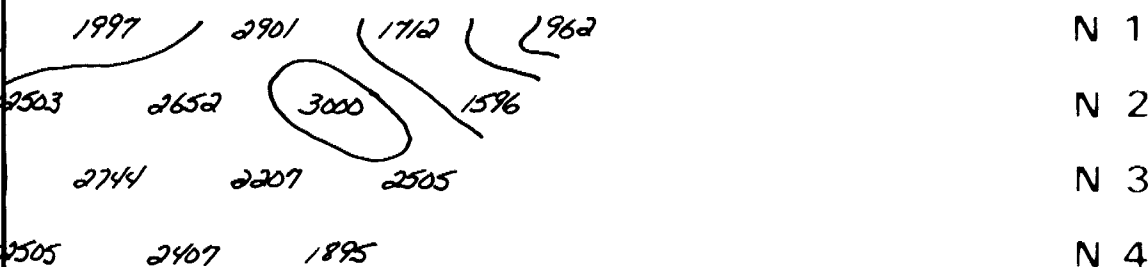


8+50-W 8+00-W 7+50-W 7+00-W 6+50-W 6+00-W 5+50-W 5+00-W 4+50-W 4+00-W 3+50-W 3+00-W 2+50-W 2+00-W 1+50-W 1+00-W 0+50-W 0+00 0+50-E



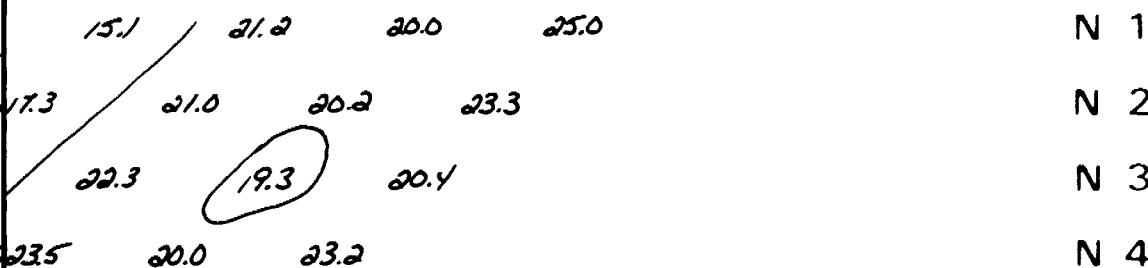
FLAT →

100-E 150-E 200-E 250-E 300-E 350-E
RESISTIVITY (APP) IN OHM METERS



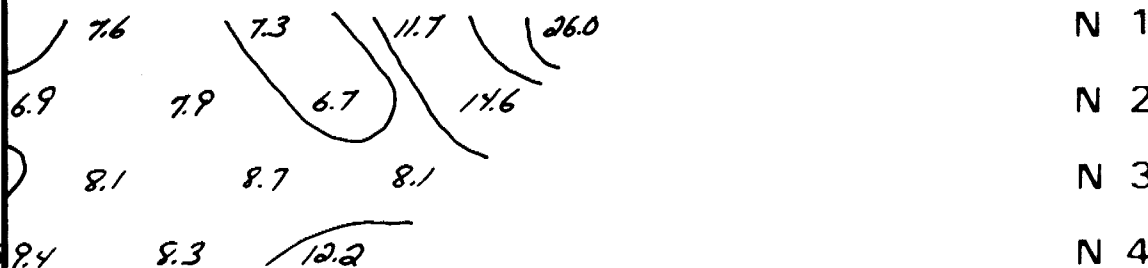
N 1
N 2
N 3
N 4
N 5

PHASE (MRAD) AT 10 Hz



N 1
N 2
N 3
N 4
N 5

100-E 150-E 200-E 250-E 300-E 350-E
METAL FACTOR (APP)



N 1
N 2
N 3
N 4
N 5

INDUCED POLARIZATION AND RESISTIVITY SURVEY

COMPANY: TBS-ZAVITZ I.P PROGRAM
Property: ZAVITZ tw P.

LINE No. 6+00-S

ELECTRODE CONFIGURATION
(DIPOLE - DIPOLE)

- X - - NX - - X -

(V)

(I)

PLOTTING POINT - X X 50-M.

SURFACE PROJECTION
OF ANOMALOUS ZONES

2.12891

DEFINITE

PROBABLE

POSSIBLE

INSTRUMENT PHOENIX IPV-4 SPECTRAL FREQUENCY 10 Hz
IPT-1 CR-2

*NOTE CONTOURS AT LOGARITHMIC INTERVALS (1.15.2.3.5.7.5.10)

DATE SURVEYED:

July-11-12-1989

APPROVED:

R. Belanger.

OPERATOR:

JEAN-GUY DUBÉ
YVES BOUCHER.

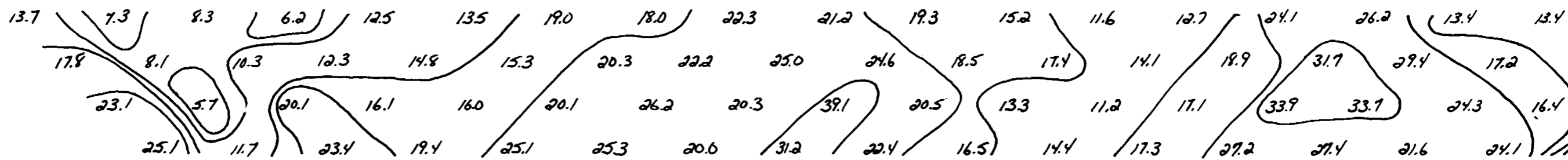
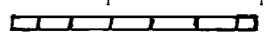
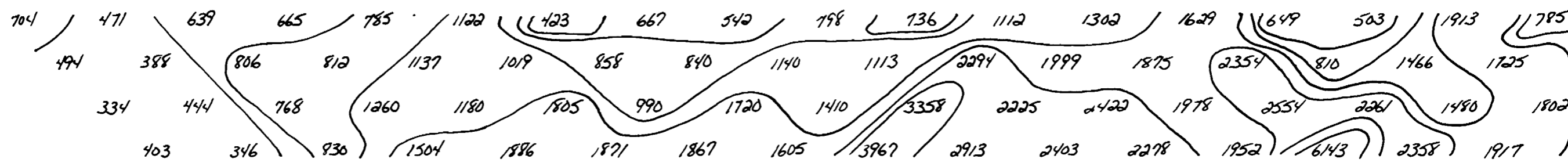
DATE:

July 19-89

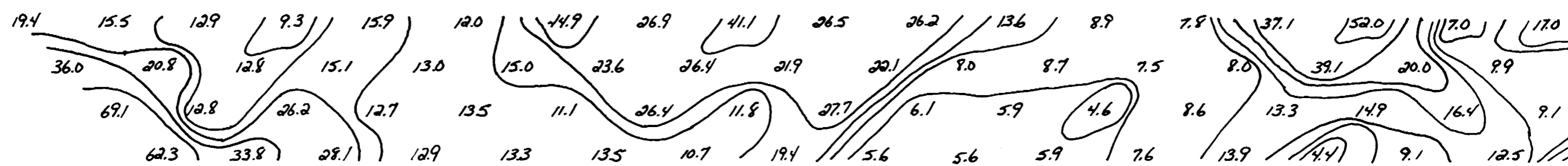


REMY BELANGER INC.

8.50-W 8.00-W 7.50-W 7.00-W 6.50-W 6.00-W 5.50-W 5.00-W 4.50-W 4.00-W 3.50-W 3.00-W 2.50-W 2.00-W 1.50-W 1.00-W 0.50-W 0.00 0.50-E



8.50-W 8.00-W 7.50-W 7.00-W 6.50-W 6.00-W 5.50-W 5.00-W 4.50-W 4.00-W 3.50-W 3.00-W 2.50-W 2.00-W 1.50-W 1.00-W 0.50-W 0.00 0.50-E



← FLAT

BEAVER POND

FLAT →

INDUCED POLARIZATION AND RESISTIVITY SURVEY

COMPANY: TBS-ZAVITZ I.P. PROGRAM
Property: ZAVITZ TWP.

LINE No. 5700-S

ELECTRODE CONFIGURATION
(DIPOLE - DIPOLE)

--- X --- NX --- X ---

(V)

(I)

PLOTTING POINT X X: 50-M.

SURFACE PROJECTION
OF ANOMALOUS ZONES

2.12891

DEFINITE

PROBABLE

POSSIBLE

INSTRUMENT PHOENIX IPV-4 SPECTRAL FREQUENCY 10 Hz
IPT-1 CR-2

*NOTE CONTOURS AT LOGARITHMIC INTERVALS (1.1.5.2.3.5.7.5.10)

DATE SURVEYED:

July-11-12-1989

APPROVED:

R. Belanger

OPERATOR:

JEAN-GUY DUBÉ
YVES BOUCHER

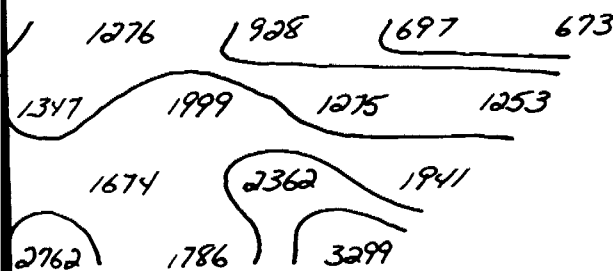
DATE:

July 19-89



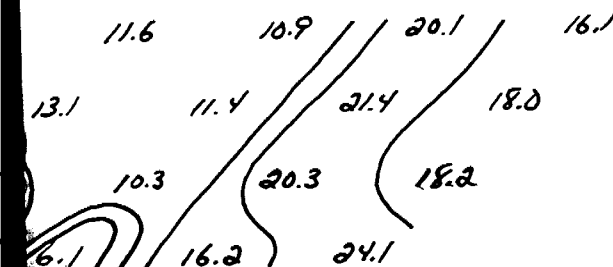
REMY BELANGER INC.

100-E 150-E 200-E 250-E 300-E 350-E
RESISTIVITY (APP) IN OHM METERS



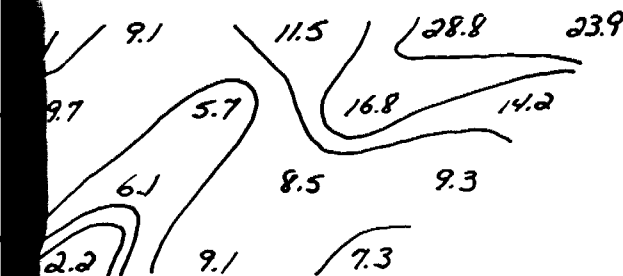
N 1
N 2
N 3
N 4
N 5

PHASE (MRAD) AT 10 Hz



N 1
N 2
N 3
N 4
N 5

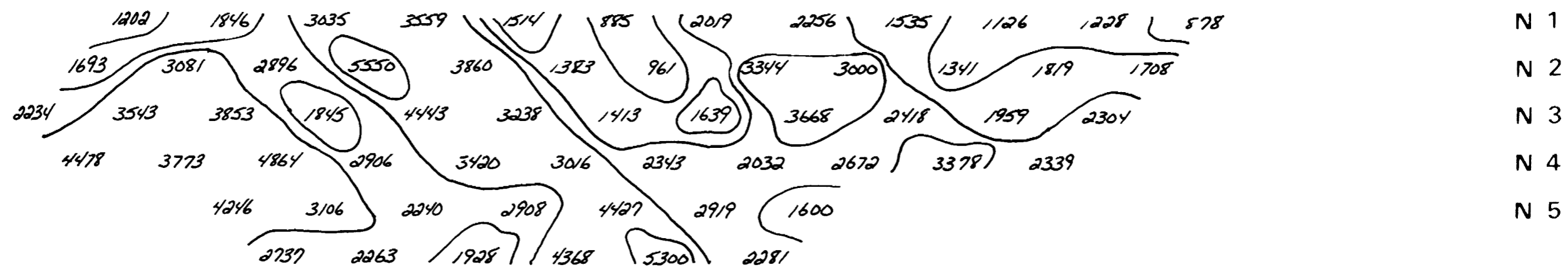
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METAL FACTOR (APP)



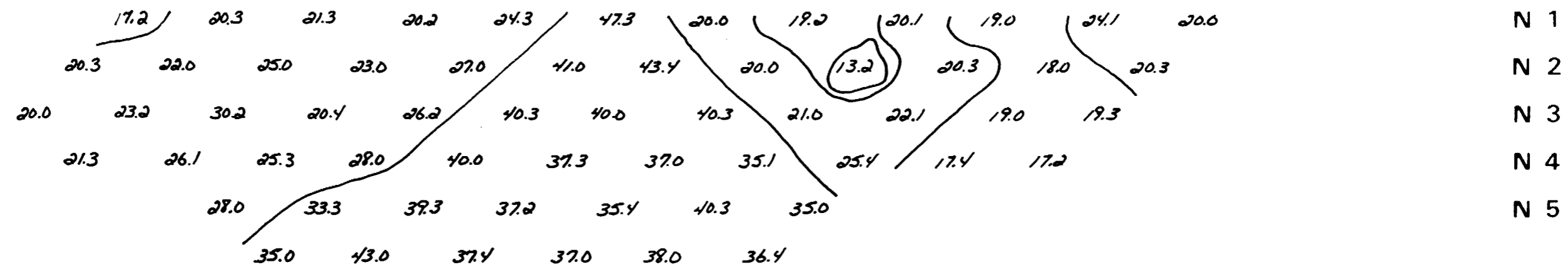
N 1
N 2
N 3
N 4
N 5

4.50-W 4.00-W 3.50-W 3.00-W 2.50-W 2.00-W 1.50-W 1.00-W 0.50-W 0.00 0.50-E 1.00-E 1.50-E 2.00-E 2.50-E 3.00-E 3.50-E

RESISTIVITY (APP) IN OHM METERS

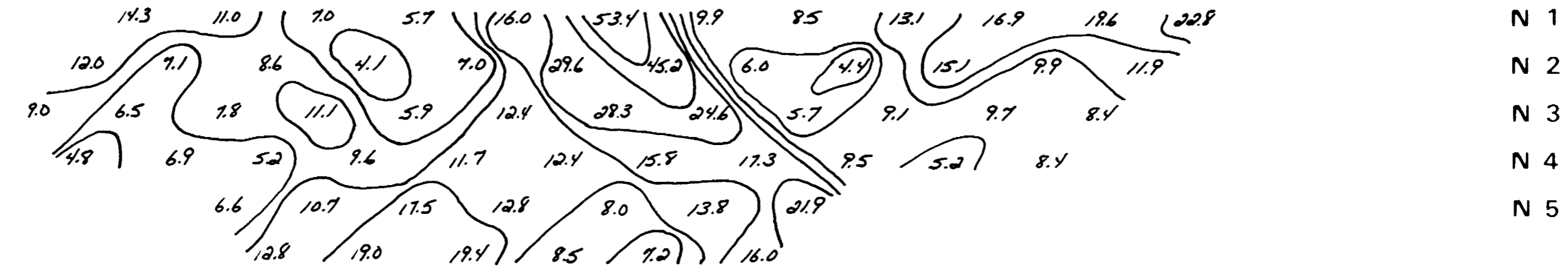


PHASE (MRAD) AT 10 Hz



4.50-W 4.00-W 3.50-W 3.00-W 2.50-W 2.00-W 1.50-W 1.00-W 0.50-W 0.00 0.50-E 1.00-E 1.50-E 2.00-E 2.50-E 3.00-E 3.50-E

METAL FACTOR (APP)



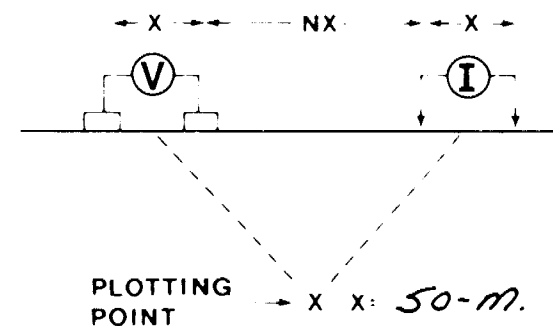
FLAT →

INDUCED POLARIZATION AND RESISTIVITY SURVEY

COMPANY: TBS-ZAVITZ I.P. PROGRAM
Property: ZAVITZ TWP.

LINE No. 4+00.5

ELECTRODE CONFIGURATION
(DIPOLE - DIPOLE)



SURFACE PROJECTION
OF ANOMALOUS ZONES

2.12891

DEFINITE
PROBABLE
POSSIBLE

INSTRUMENT: PHOENIX IPV-4 SPECTRAL FREQUENCY: 1.0 Hz
IPT-1 CR-2

*NOTE CONTOURS AT LOGARITHMIC INTERVALS (1,1.5,2,3,5,7.5,10)

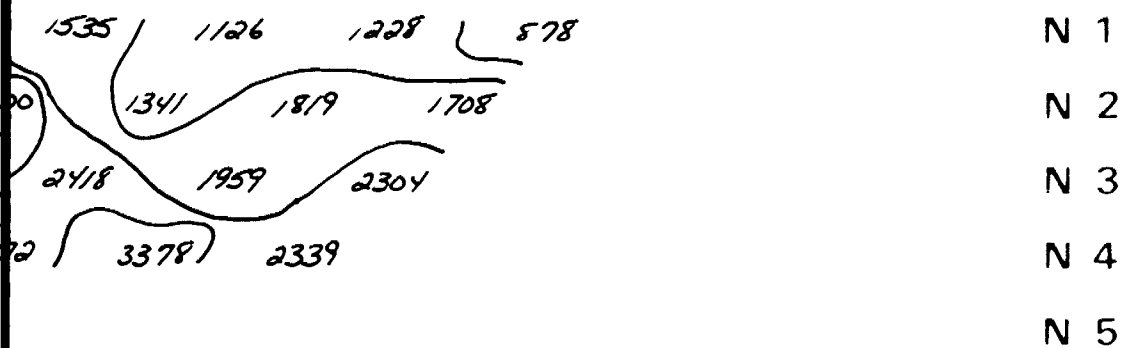
DATE SURVEYED:
July-11-1989

APPROVED:
R. Belanger.

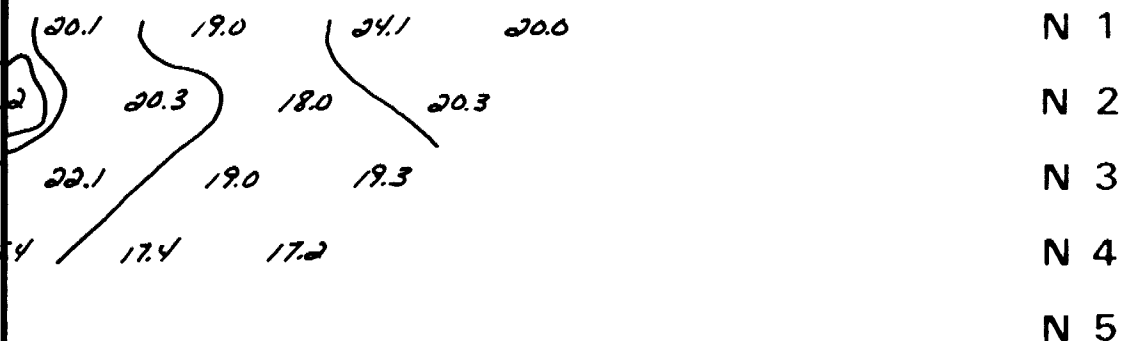
OPERATOR:
JUES BOUCHER.

DATE:
July 19-89

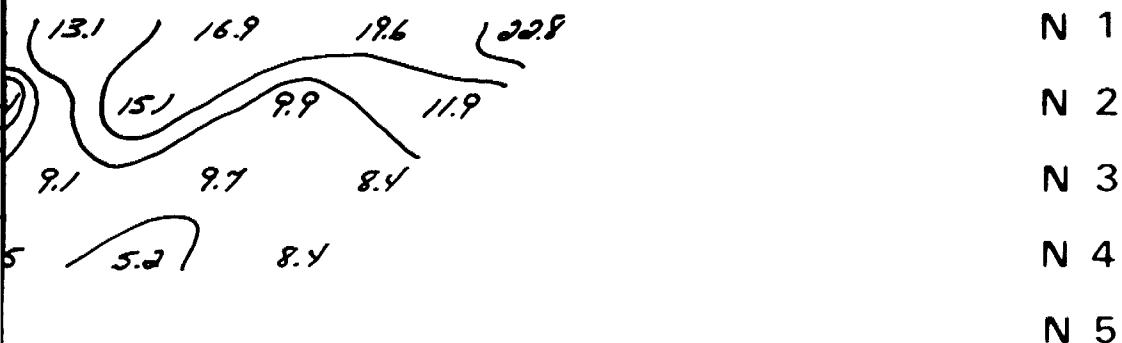
RESISTIVITY (APP) IN OHM METERS



PHASE (MRAD) AT 10 Hz



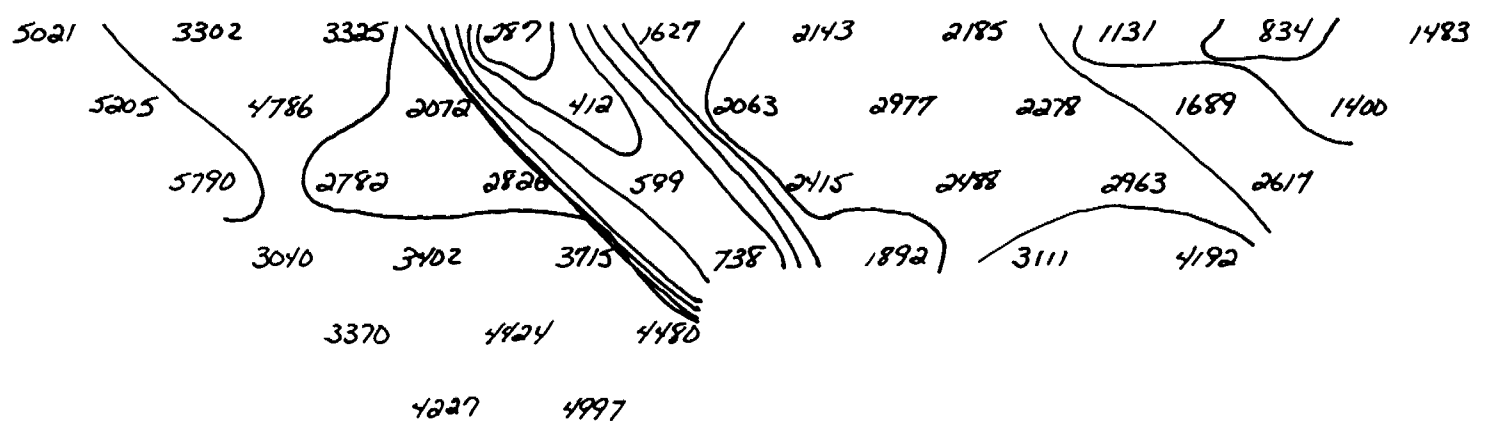
METAL FACTOR (APP)



REMY BELANGER INC.

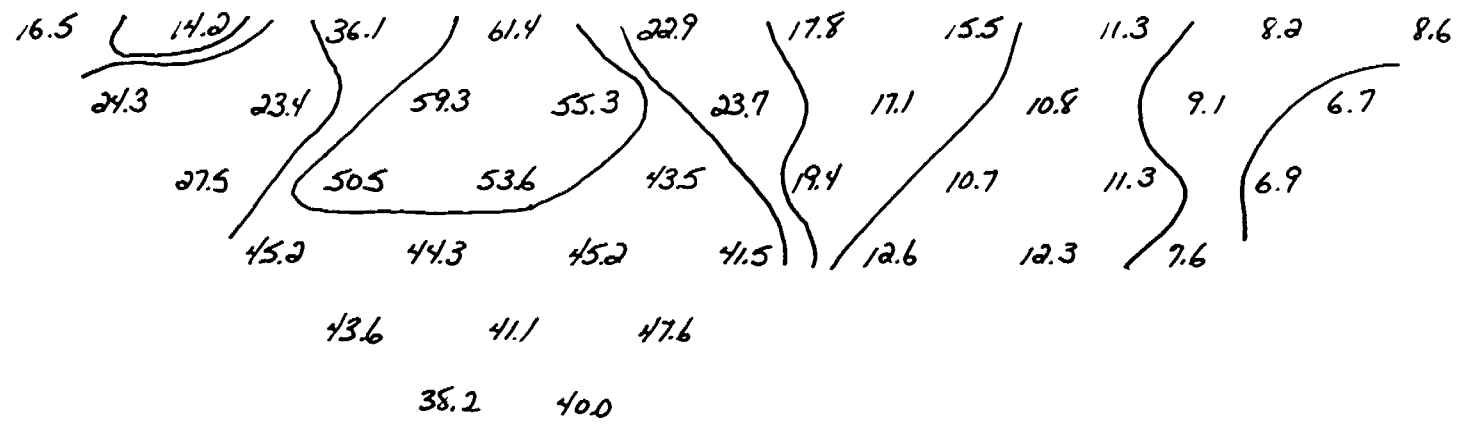
2+50-W 2+00-W 1+50-W 1+00-W 0+50-W 0+00 0+50-E 1+00-E 1+50-E 2+00-E 2+50-E 3+00-E 3+50-E

RESISTIVITY (APP) IN OHM METERS



N 1
N 2
N 3
N 4
N 5

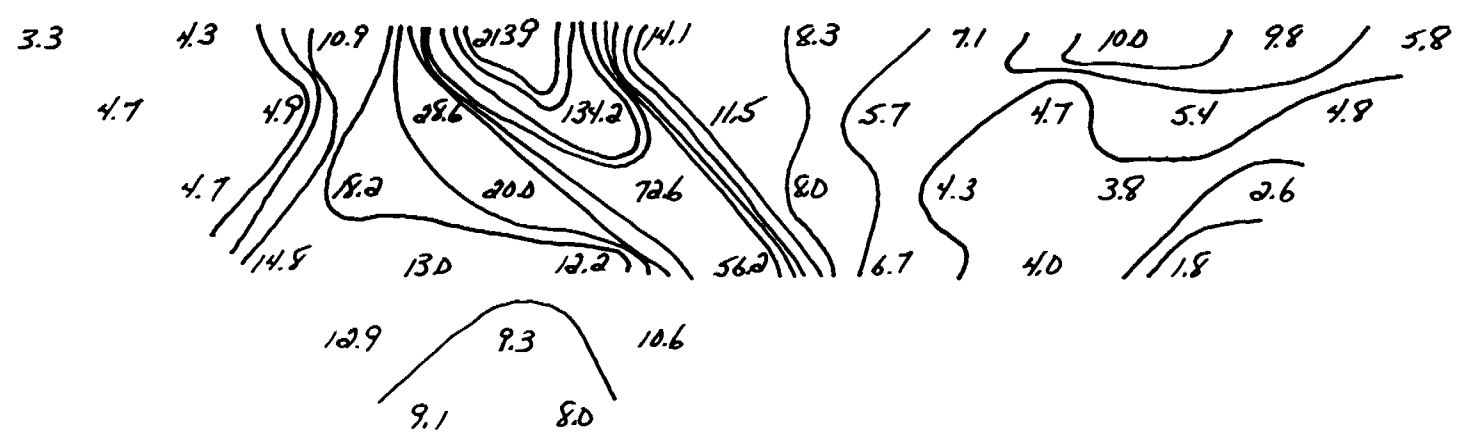
PHASE (MRAD) AT 10 Hz



N 1
N 2
N 3
N 4
N 5

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

METAL FACTOR (APP)



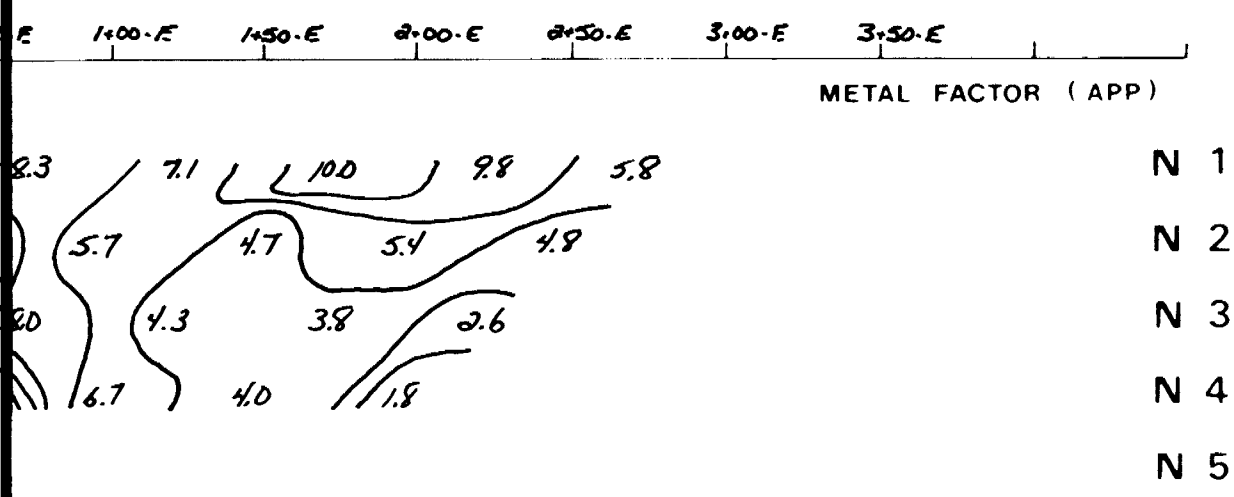
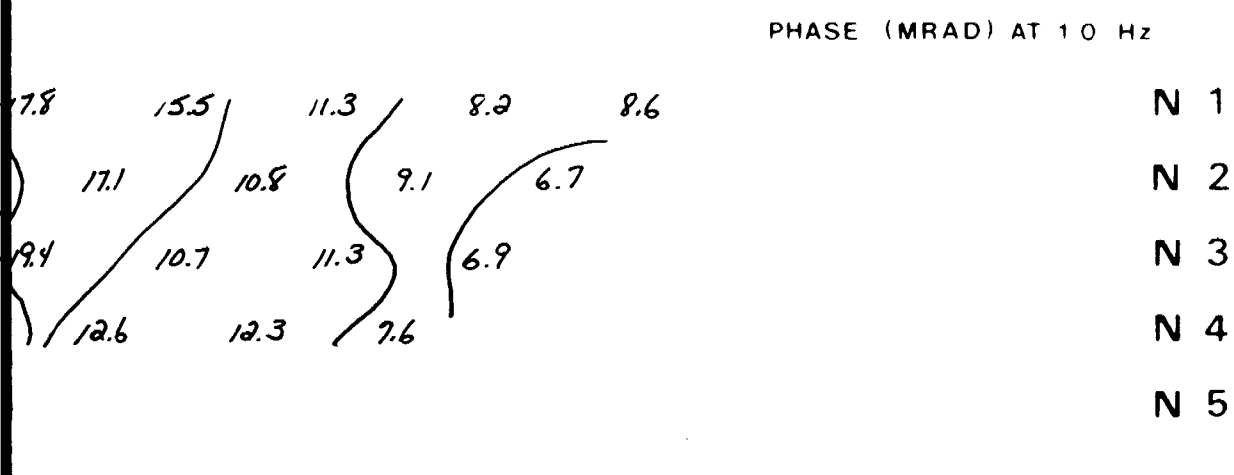
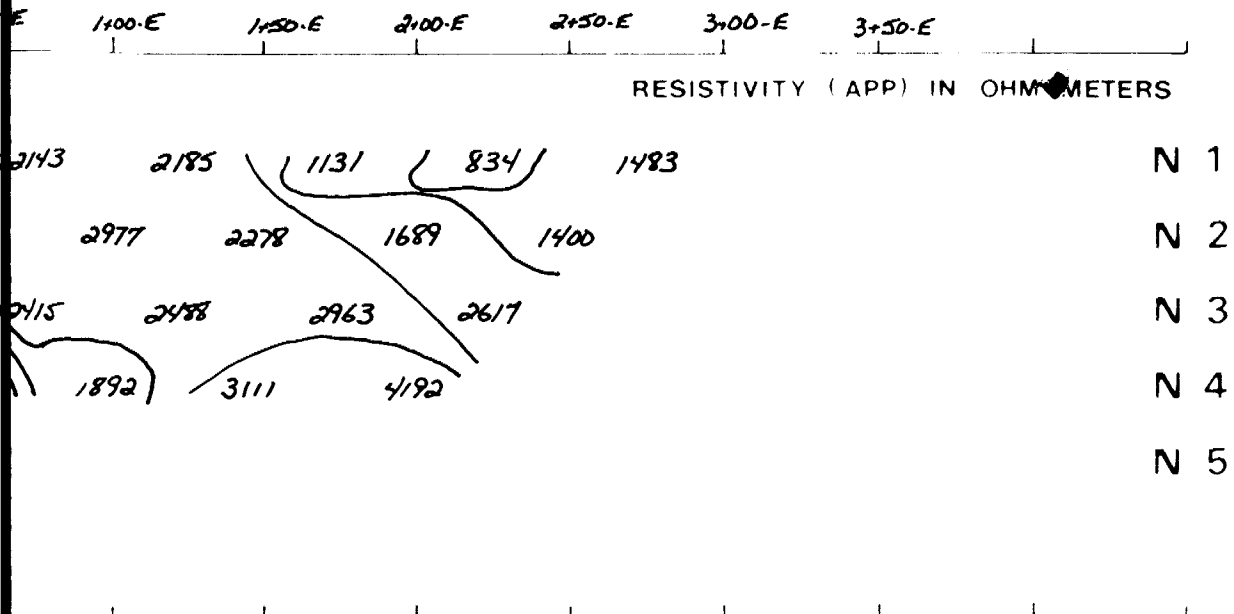
N 1
N 2
N 3
N 4
N 5

BEAVER POND

FLAT →

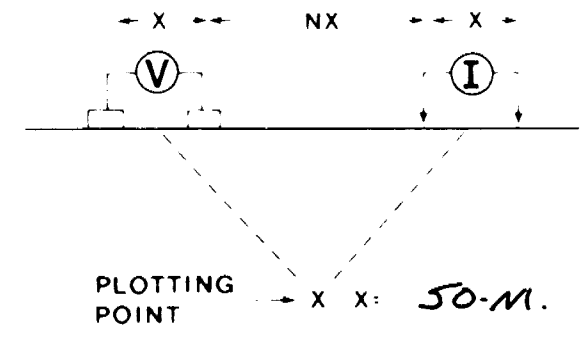
INDUCED POLARIZATION AND RESISTIVITY SURVEY

COMPANY: *+ B S - ZAVITZ I.P. PROGRAM*
 Property: *ZAVITZ TWP.*



LINE No. *3+50.5*

ELECTRODE CONFIGURATION
(DIPOLE - DIPOLE)



SURFACE PROJECTION OF ANOMALOUS ZONES **2.12891**

- DEFINITE ---
- PROBABLE - -
- POSSIBLE - -

INSTRUMENT: PHOENIX IPV-4 SPECTRAL FREQUENCY: 1.0 Hz
 IPT-1 CR-2

* NOTE: CONTOURS AT LOGARITHMIC INTERVALS (1.1.5.2.3.5.7.5.10)

DATE SURVEYED:
July - 11 - 1989

APPROVED:
R. Belanger

OPERATOR:
JUES BOUCHER

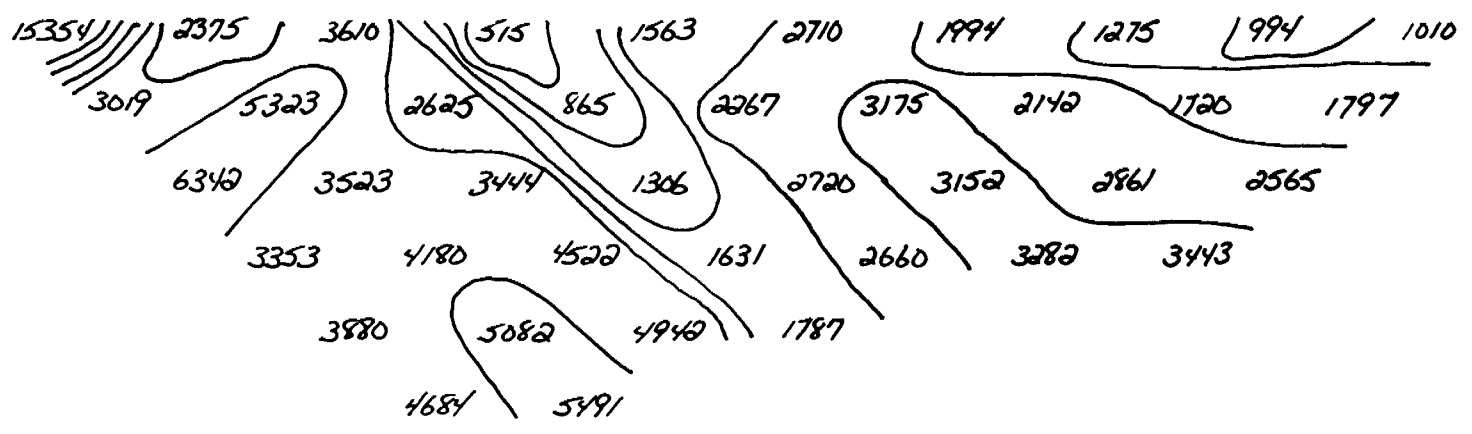
DATE:
July 19. 89



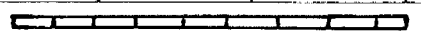
REMY BELANGER INC.

2.50-W 2.00-W 1.50-W 1.00-W 0.50-W 0+00 0.50-E 1.00-E 1.50-E 2.00-E 2.50-E 3.00-E 3.50-E

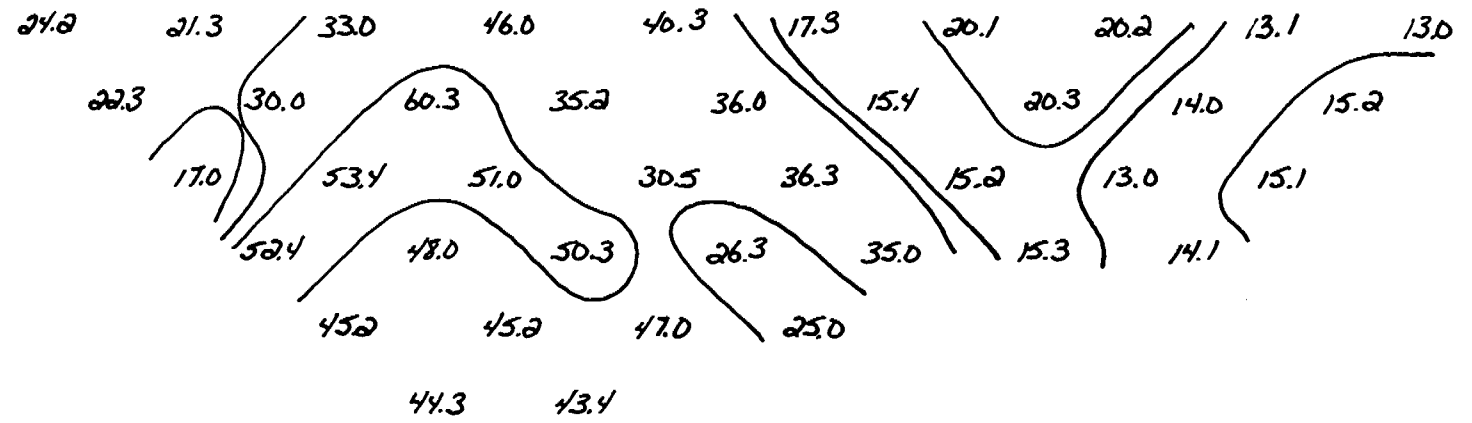
RESISTIVITY (APP) IN OHM METERS



N 1
N 2
N 3
N 4
N 5



PHASE (MRAD) AT 1.0 Hz



N 1
N 2
N 3
N 4
N 5

2.50-W 2.00-W 1.50-W 1.00-W 0.50-W 0+00 0.50-E 1.00-E 1.50-E 2.00-E 2.50-E 3.00-E 3.50-E

METAL FACTOR (APP)



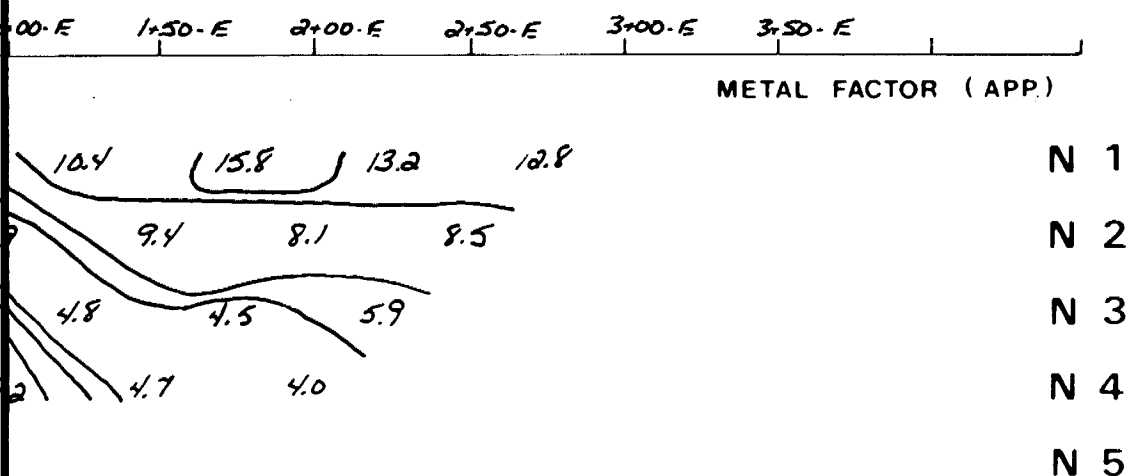
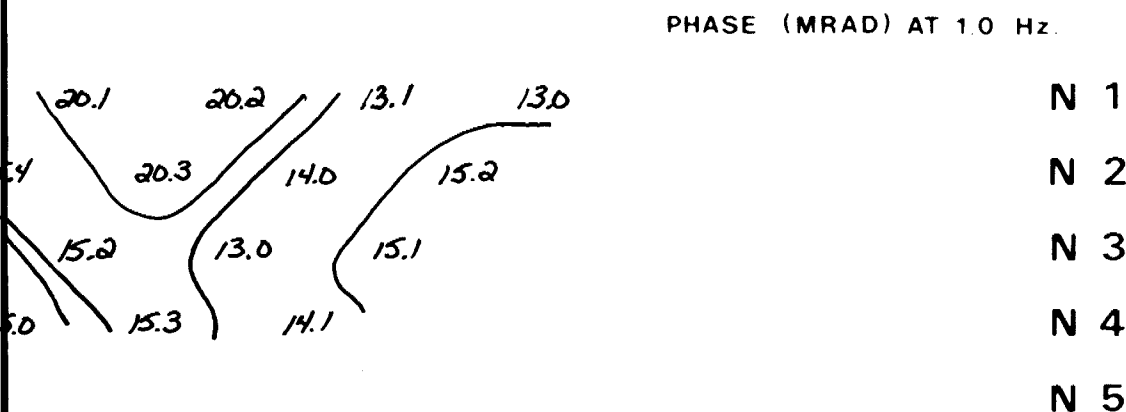
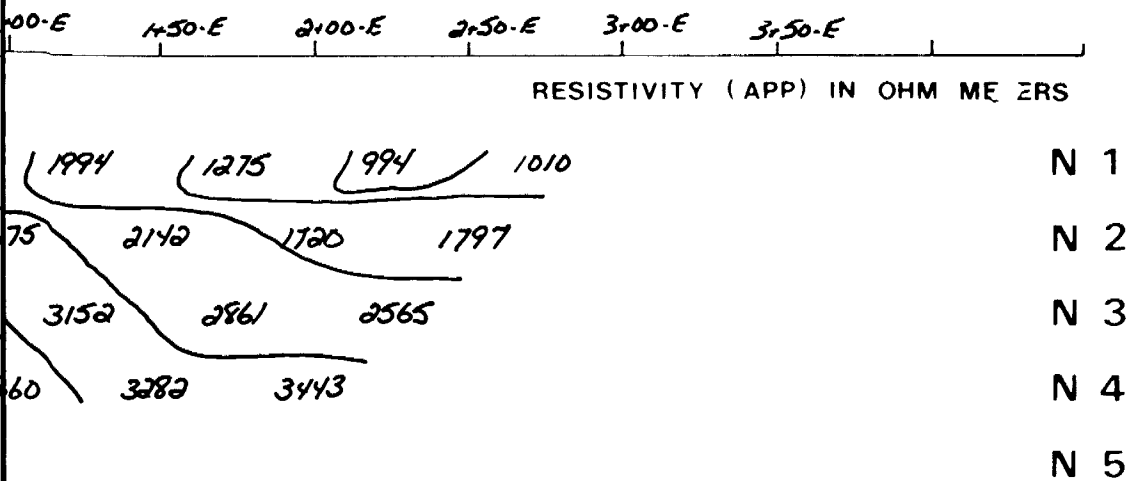
N 1
N 2
N 3
N 4
N 5

BEAVER POND

FLAT →

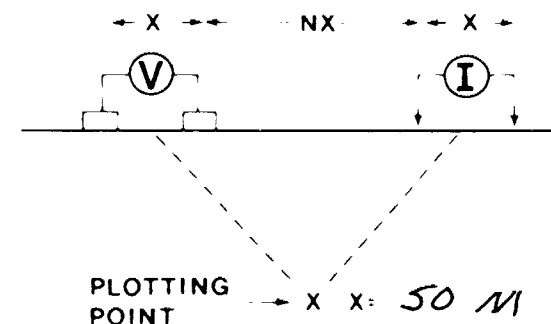
INDUCED POLARIZATION AND RESISTIVITY SURVEY

COMPANY = *TBS-ZAVITZ I.P PROGRAM*
Property = *ZAVITZ TWP.*






LINE No. 3+00-S

ELECTRODE CONFIGURATION
(DIPOLE - DIPOLE)



SURFACE PROJECTION
OF ANOMALOUS ZONES

2.12891

- DEFINITE 
- PROBABLE 
- POSSIBLE 

INSTRUMENT: PHOENIX IPV-4 SPECTRAL FREQUENCY: 1.0 Hz
IPT-1 CR-2

*NOTE: CONTOURS AT LOGARITHMIC INTERVALS (1.1.5.2.3.5.7.5.10)

DATE SURVEYED:
July-10-1987

APPROVED:
R. Belanger

OPERATOR:
YVES BOUCHER

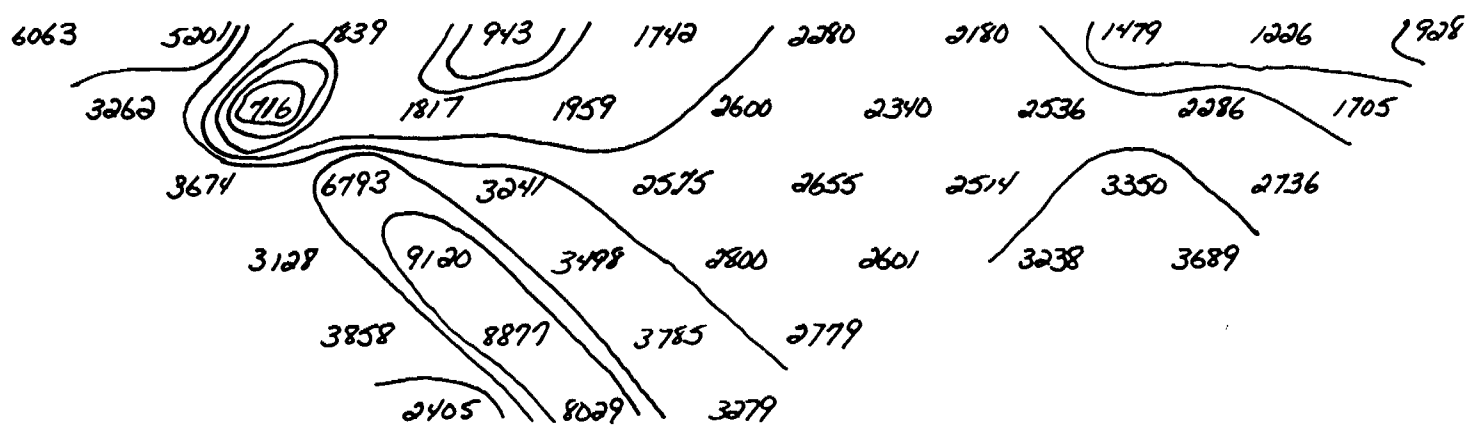
DATE:
July 19-89



REMY BELANGER INC.

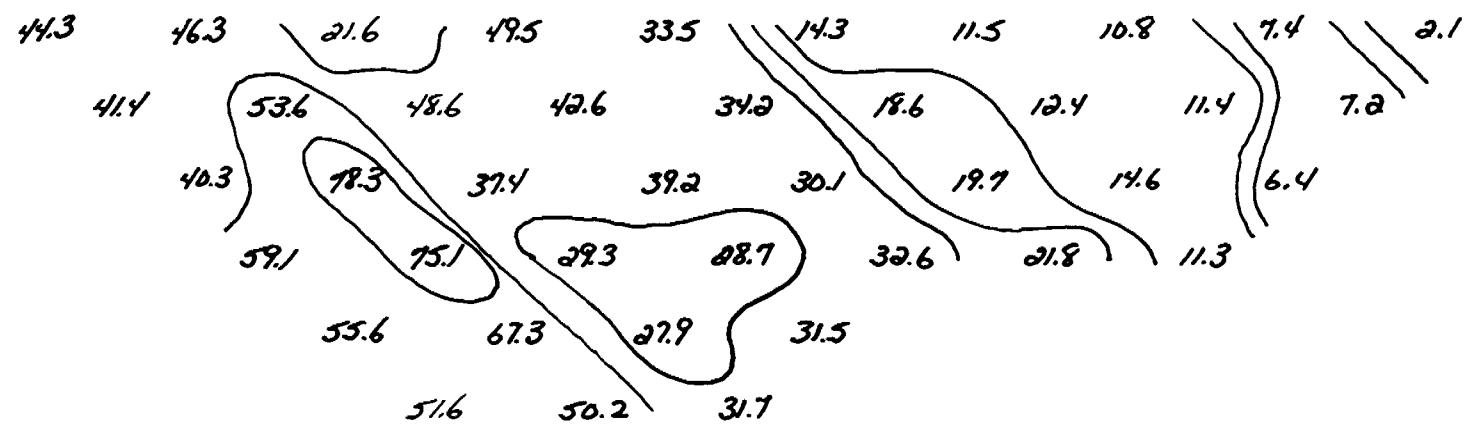
2.50-W 2.00-W 1.50-W 1.00-W 0.50-W 0.00 0.50-E 1.00-E 1.50-E 2.00-E 2.50-E 3.00-E 3.50-E

RESISTIVITY (APP) IN OHM METERS



N 1
N 2
N 3
N 4
N 5

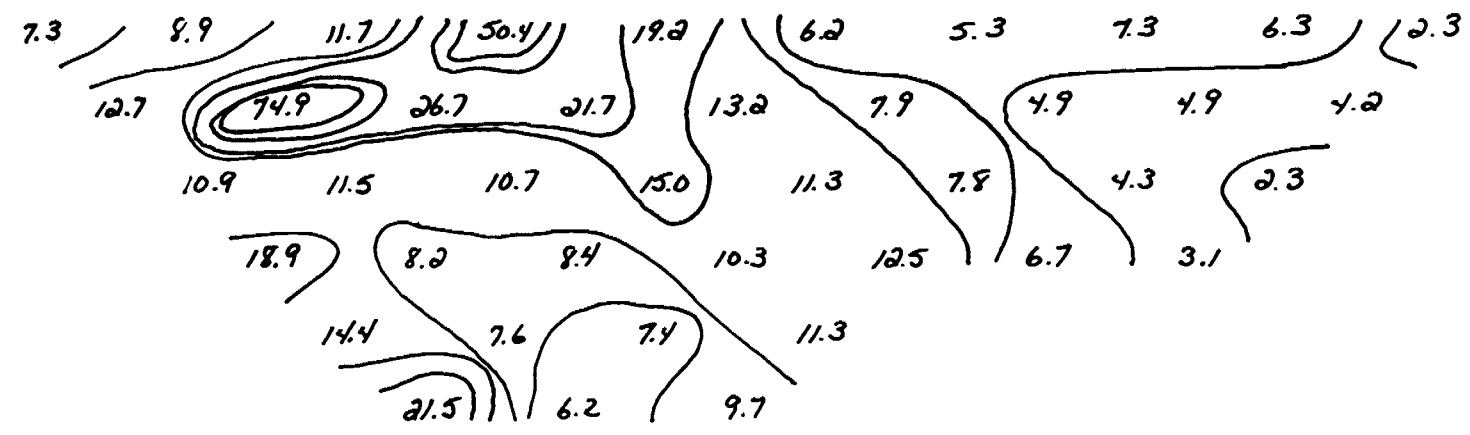
PHASE (MRAD) AT 1.0 Hz



N 1
N 2
N 3
N 4
N 5

2.50-W 2.00-W 1.50-W 1.00-W 0.50-W 0.00 0.50-E 1.00-E 1.50-E 2.00-E 2.50-E 3.00-E 3.50-E

METAL FACTOR (APP)



N 1
N 2
N 3
N 4
N 5

BEAVER
POND

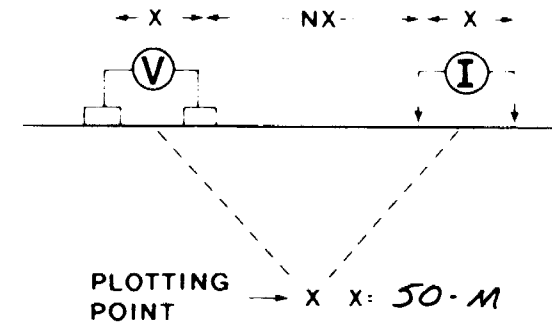
INDUCED POLARIZATION AND RESISTIVITY SURVEY

COMPANY = TBS-ZAVITZ I.P. Program
Property = ZAVITZ TWP.




2-12801

LINE No. 2-50-5

ELECTRODE CONFIGURATION
(DIPOLE - DIPOLE)



SURFACE PROJECTION
OF ANOMALOUS ZONES

- DEFINITE --- 
- PROBABLE - - 
- POSSIBLE - - 

INSTRUMENT: PHOENIX IPV-4 SPECTRAL FREQUENCY: 1.0 Hz
IPT-1 CR-2

*NOTE: CONTOURS AT LOGARITHMIC INTERVALS (1.1.5.2.3.5.7.5.10)

DATE SURVEYED:

July - 10 - 1989

APPROVED:

R. Belanger

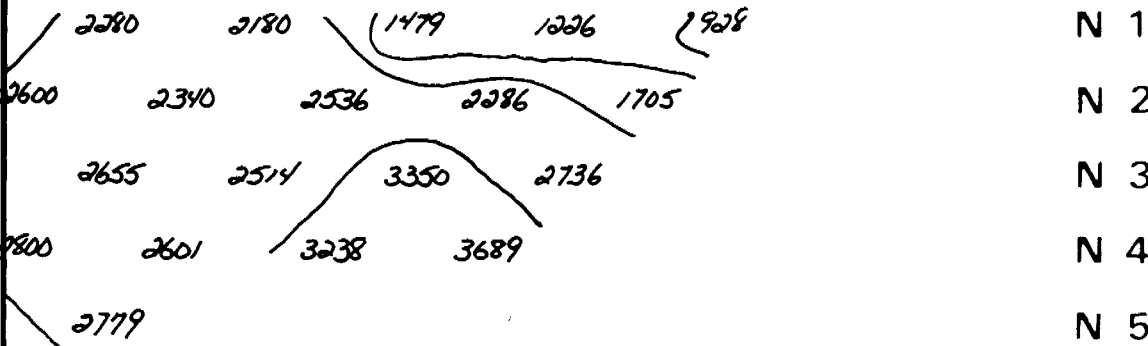
OPERATOR:

JEAN-GUY DUBÉ

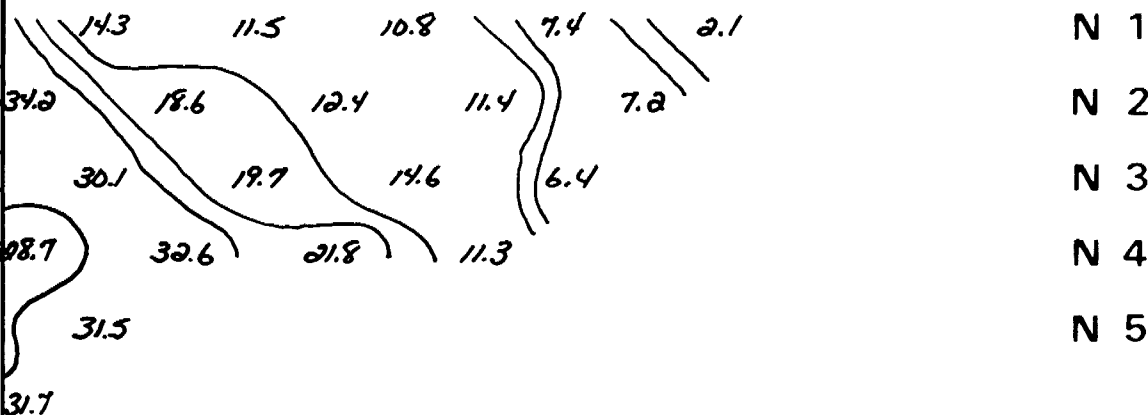
DATE:

July 19-89

0+50-E 1+00-E 1+50-E 2+00-E 2+50-E 3+00-E 3+50-E
RESISTIVITY (APP) IN OHM METERS

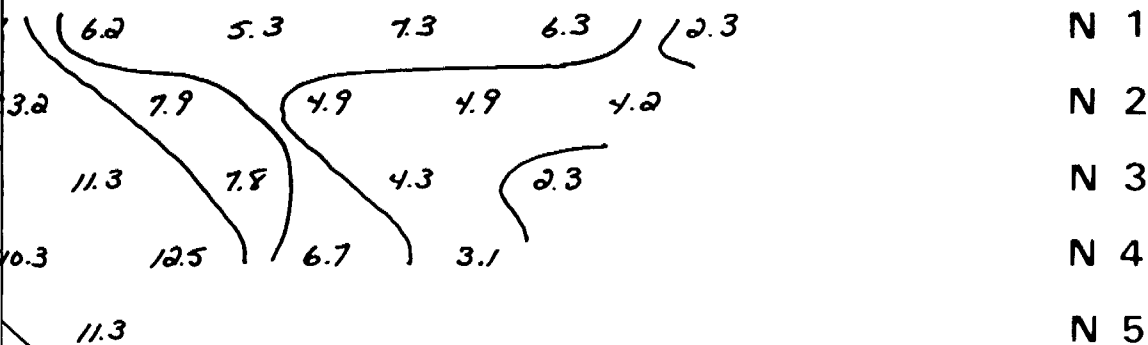


PHASE (MRAD) AT 10 Hz



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

METAL FACTOR (APP)



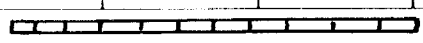
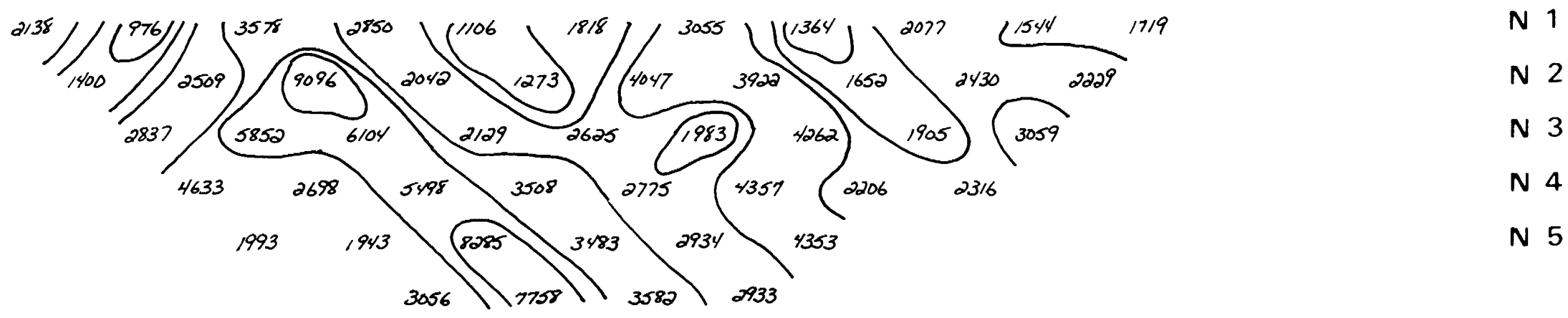
9.7



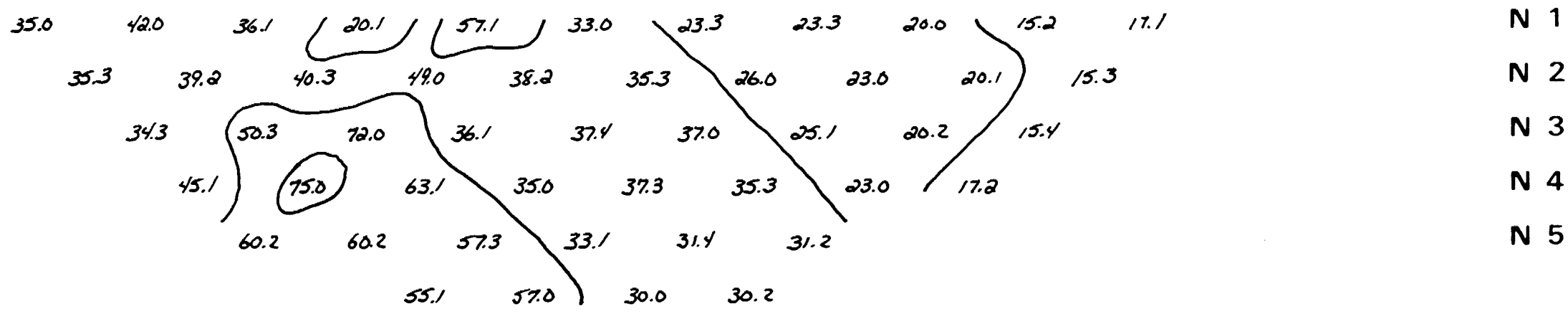
REMY BELANGER INC.

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

RESISTIVITY (APP) IN OHM METERS

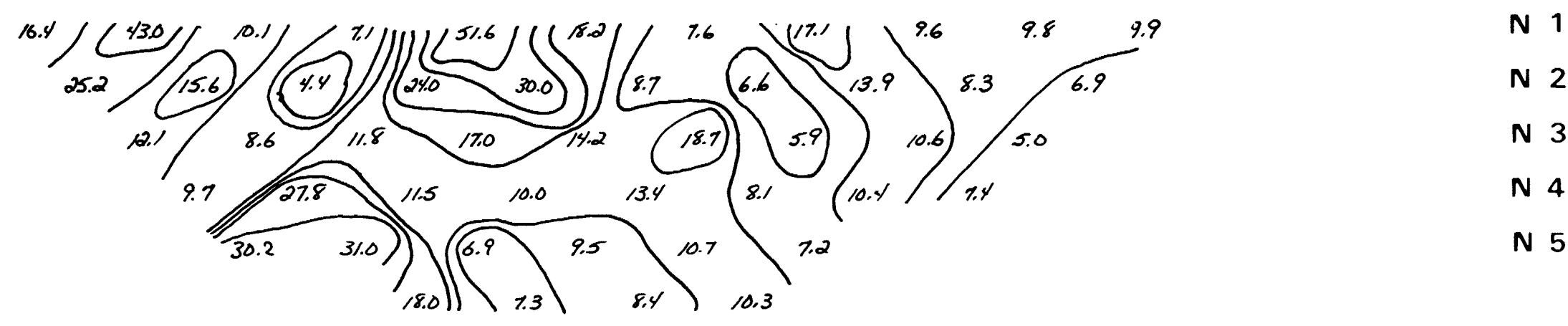


PHASE (MRAD) AT 10 Hz



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

METAL FACTOR (APP)



BEAVER Pond

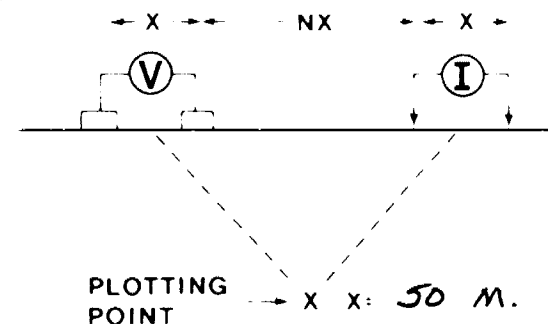
FLAT →

INDUCED POLARIZATION AND RESISTIVITY SURVEY

COMPANY: T B S. ZAVITZ I.P. PROGRAM
Property: ZAVITZ TWP.

LINE No. **2.12891**
200-S

ELECTRODE CONFIGURATION
(DIPOLE - DIPOLE)



SURFACE PROJECTION
OF ANOMALOUS ZONES

2.12891

DEFINITE
PROBABLE
POSSIBLE

INSTRUMENT: PHOENIX IPV-4 SPECTRAL FREQUENCY: 1.0 Hz
IPT-1 CR-2

*NOTE: CONTOURS AT LOGARITHMIC INTERVALS (1.1, 1.5, 2.3, 5, 7.5, 10)

DATE SURVEYED:
July-10-1989

APPROVED:
R. Belanger

OPERATOR:
YVES BOUCHER

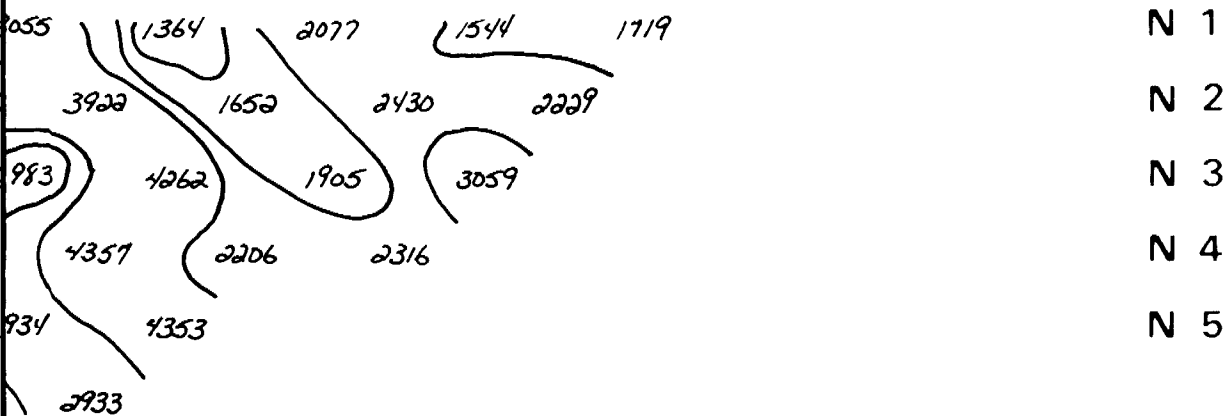
DATE:
July 19-89



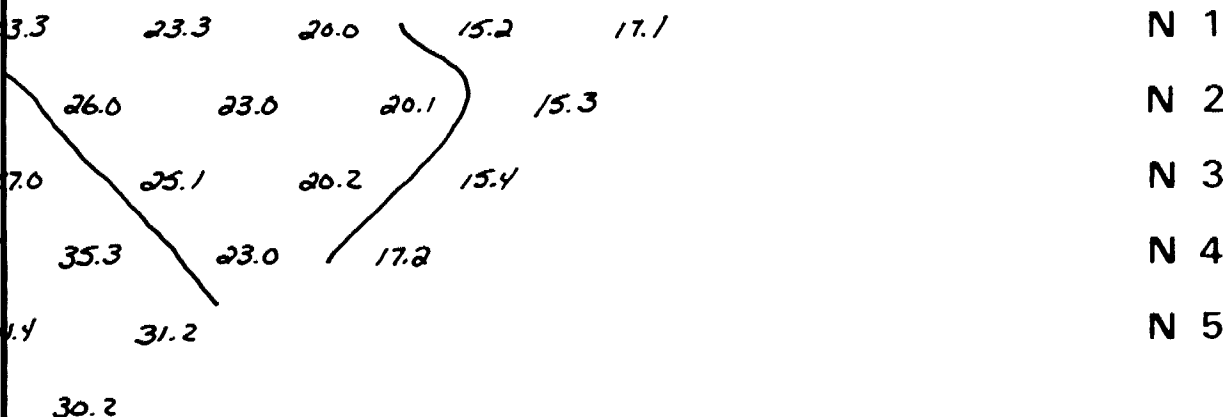
REMY BELANGER INC.

100-E 150-E 200-E 250-E 300-E 350-E

RESISTIVITY (APP) IN OHM METERS

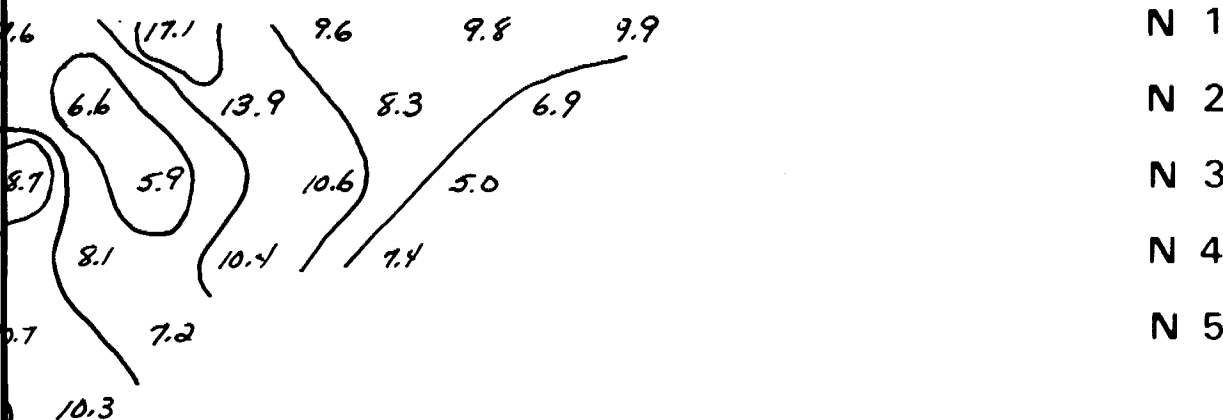


PHASE (MRAD) AT 10 Hz



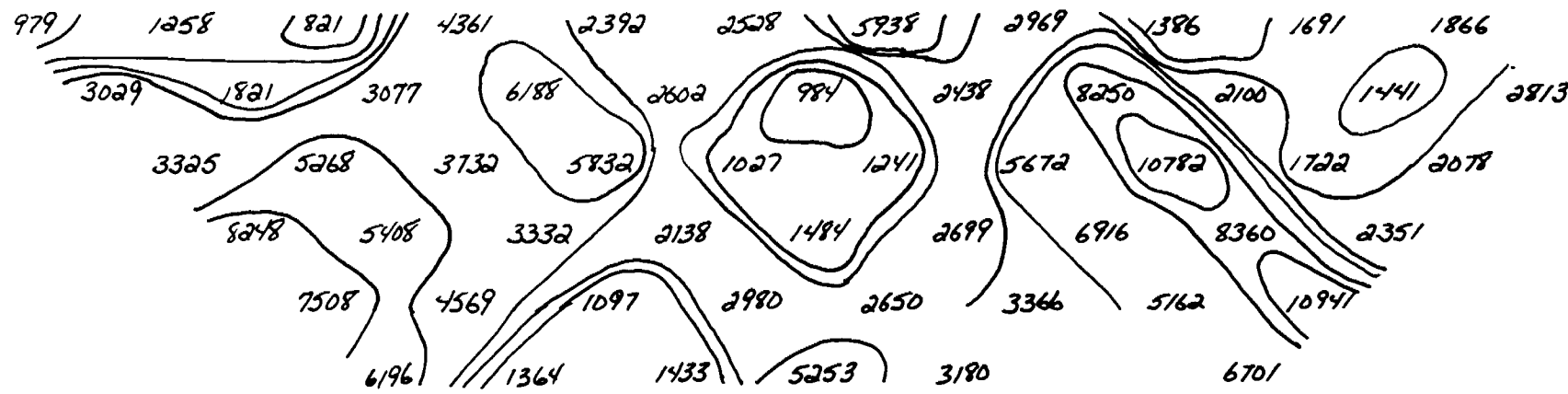
100-E 150-E 200-E 250-E 300-E 350-E

METAL FACTOR (APP)



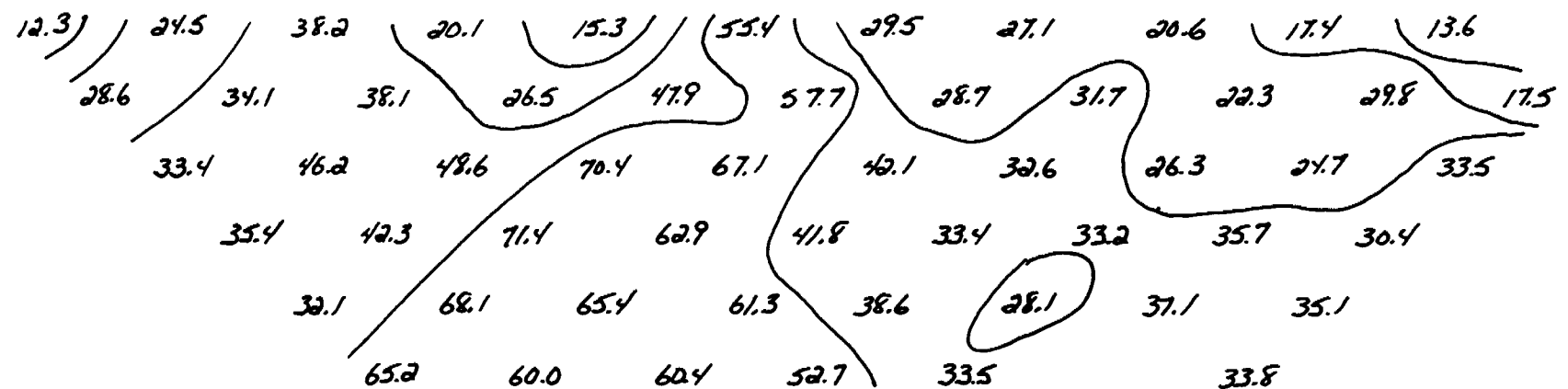
3+50-W 3+00-W 2+50-W 2+00-W 1+50-W 1+00-W 0+50-W 0+00 0+50-E 1+00-E 1+50-E 2+00-E 2+50-E 3+00-E 3+50-E

RESISTIVITY (APP) IN OHM METERS



N 1
N 2
N 3
N 4
N 5

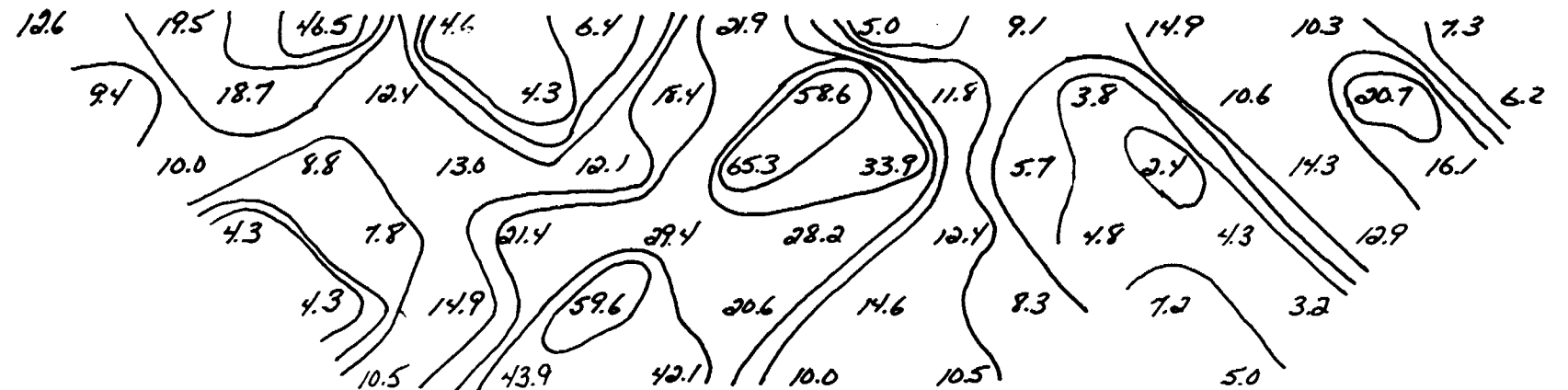
PHASE (MRAD) AT 10 Hz



N 1
N 2
N 3
N 4
N 5

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

METAL FACTOR (APP)

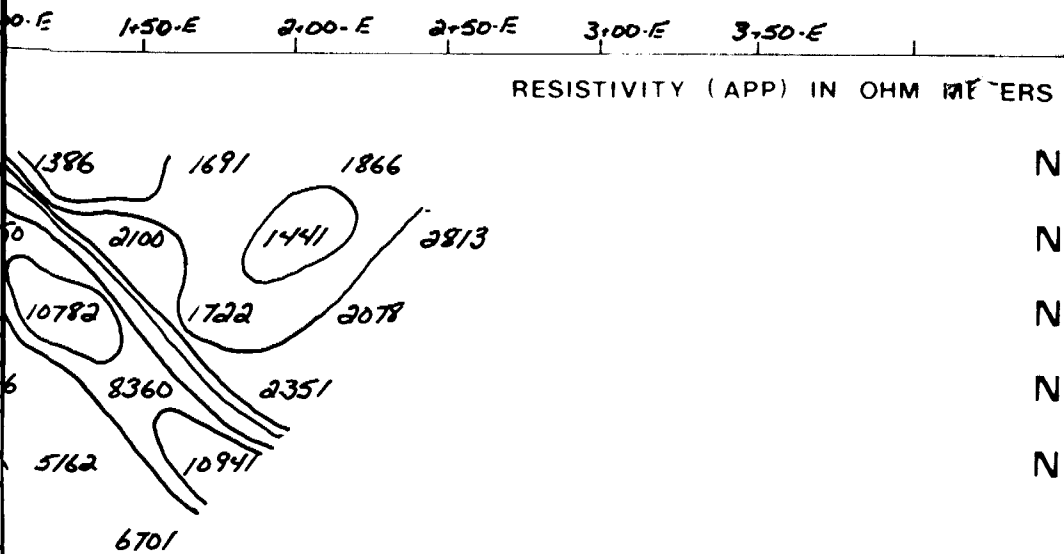


N 1
N 2
N 3
N 4
N 5

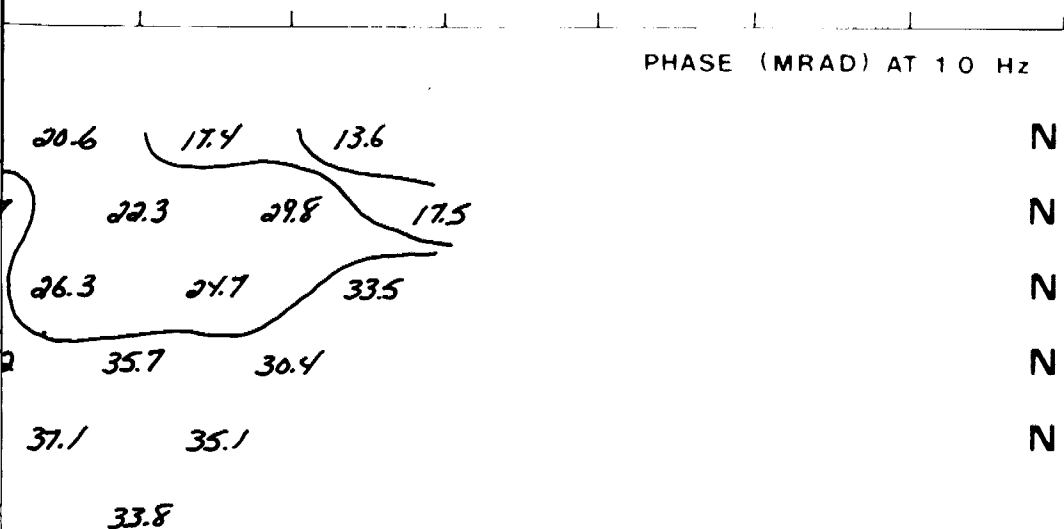
||
DRILL
HOLE

INDUCED POLARIZATION AND RESISTIVITY SURVEY

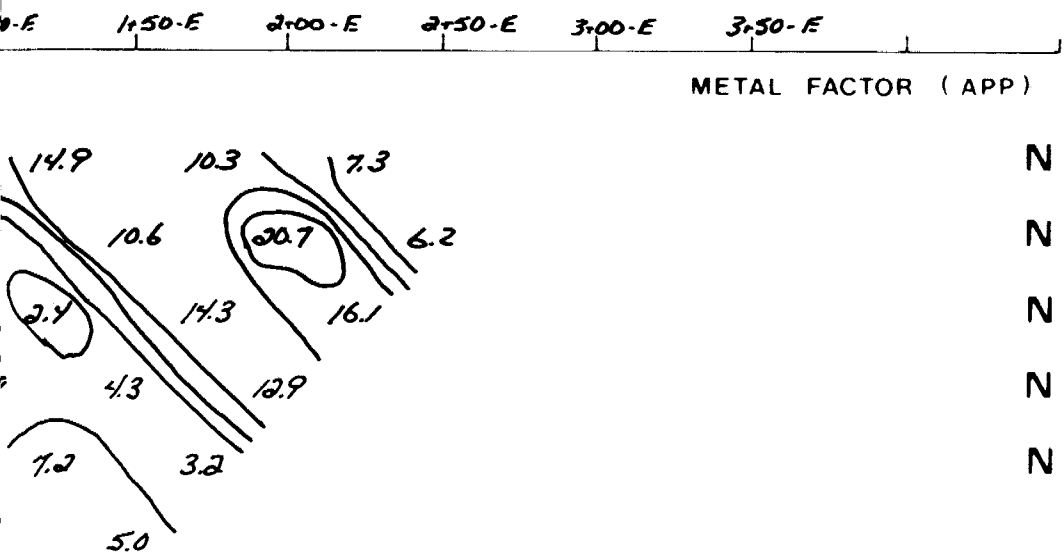
COMPANY = TBS. ZAVITZ I.P. PROGRAM
Property = ZAVITZ TWP.



N 1
N 2
N 3
N 4
N 5



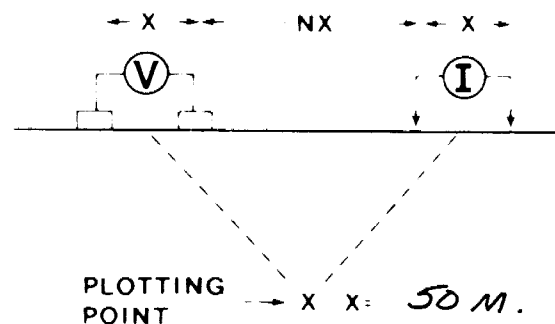
N 1
N 2
N 3
N 4
N 5



N 1
N 2
N 3
N 4
N 5

LINE No. 1450-S

ELECTRODE CONFIGURATION
(DIPOLE - DIPOLE)



SURFACE PROJECTION
OF ANOMALOUS ZONES

2.12891

- DEFINITE ---
- PROBABLE - -
- POSSIBLE - -

INSTRUMENT: PHOENIX IPV-4 SPECTRAL FREQUENCY: 1.0 Hz
IPT-1 CR-2

* NOTE: CONTOURS AT LOGARITHMIC INTERVALS (1.1.5.2.3.5.7.5.10)

DATE SURVEYED:

July-10-1989

APPROVED:

R. Belanger

OPERATOR:

JEAN-LUC DUBÉ

DATE:

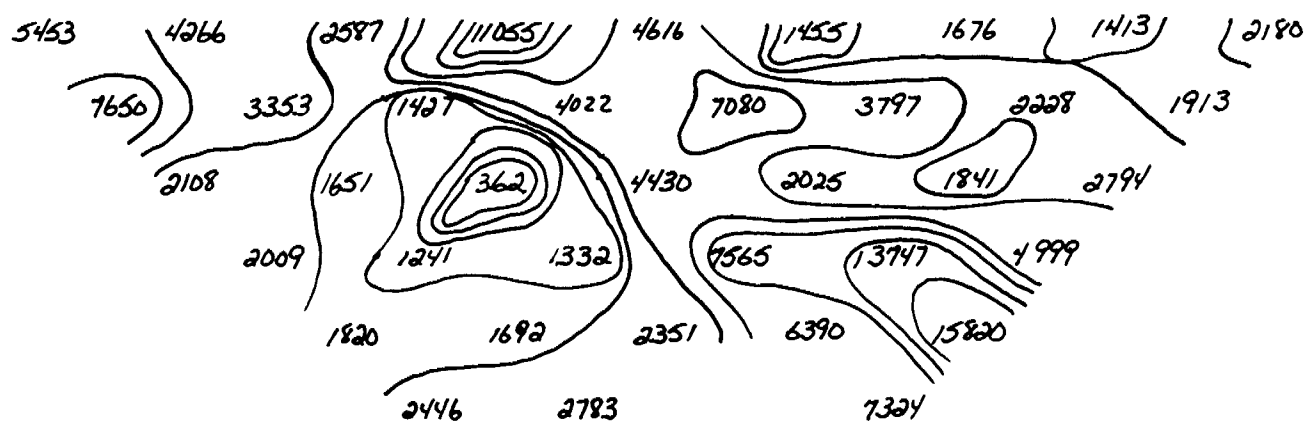
July 19-89



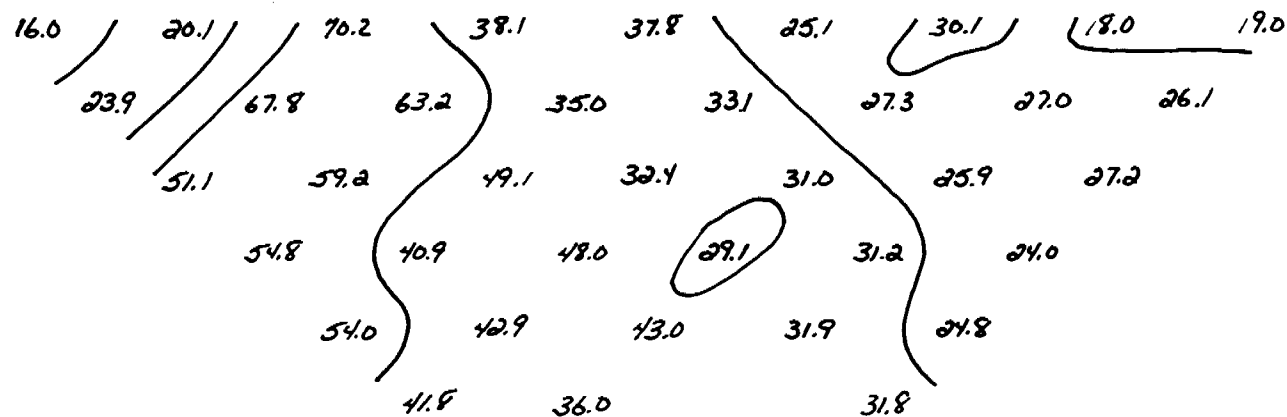
REMY BELANGER INC.

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

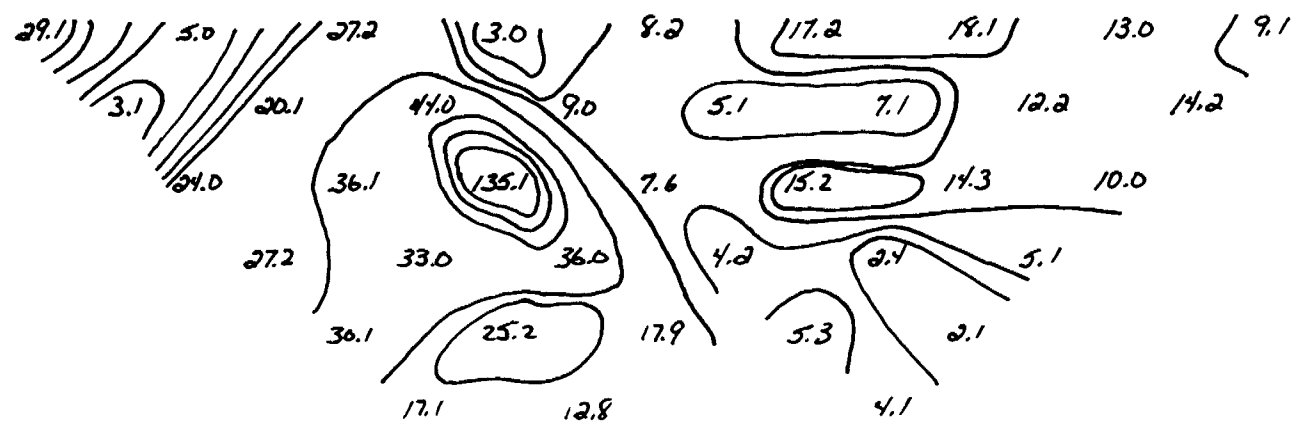
RESISTIVITY (APP) IN OHM METERS



PHASE (MRAD) AT 1.0 Hz



METAL FACTOR (APP)



BEAVER POND }
DRILL HOLE

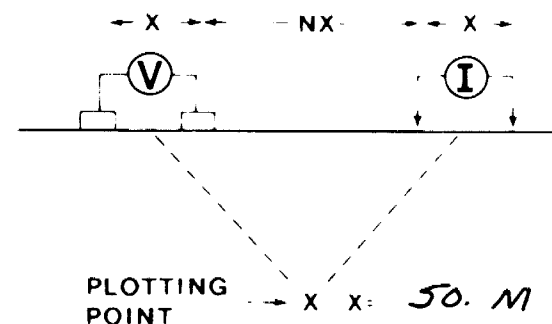
FLAT →

INDUCED POLARIZATION AND RESISTIVITY SURVEY

COMPANY: *TBS - ZAVITZ I.P. PROGRAM*
Property: *ZAVITZ TWP.*

LINE No. *100-S*

ELECTRODE CONFIGURATION
(DIPOLE - DIPOLE)



SURFACE PROJECTION
OF ANOMALOUS ZONES

2.12891

DEFINITE
PROBABLE
POSSIBLE

INSTRUMENT: PHOENIX IPV-4 SPECTRAL FREQUENCY: 1.0 Hz
IPT-1 CR-2

*NOTE: CONTOURS AT LOGARITHMIC INTERVALS (1.1.5.2.3.5.7.5.10)

DATE SURVEYED:

JULY - 07 - 1989

APPROVED:

R. Belanger

OPERATOR:

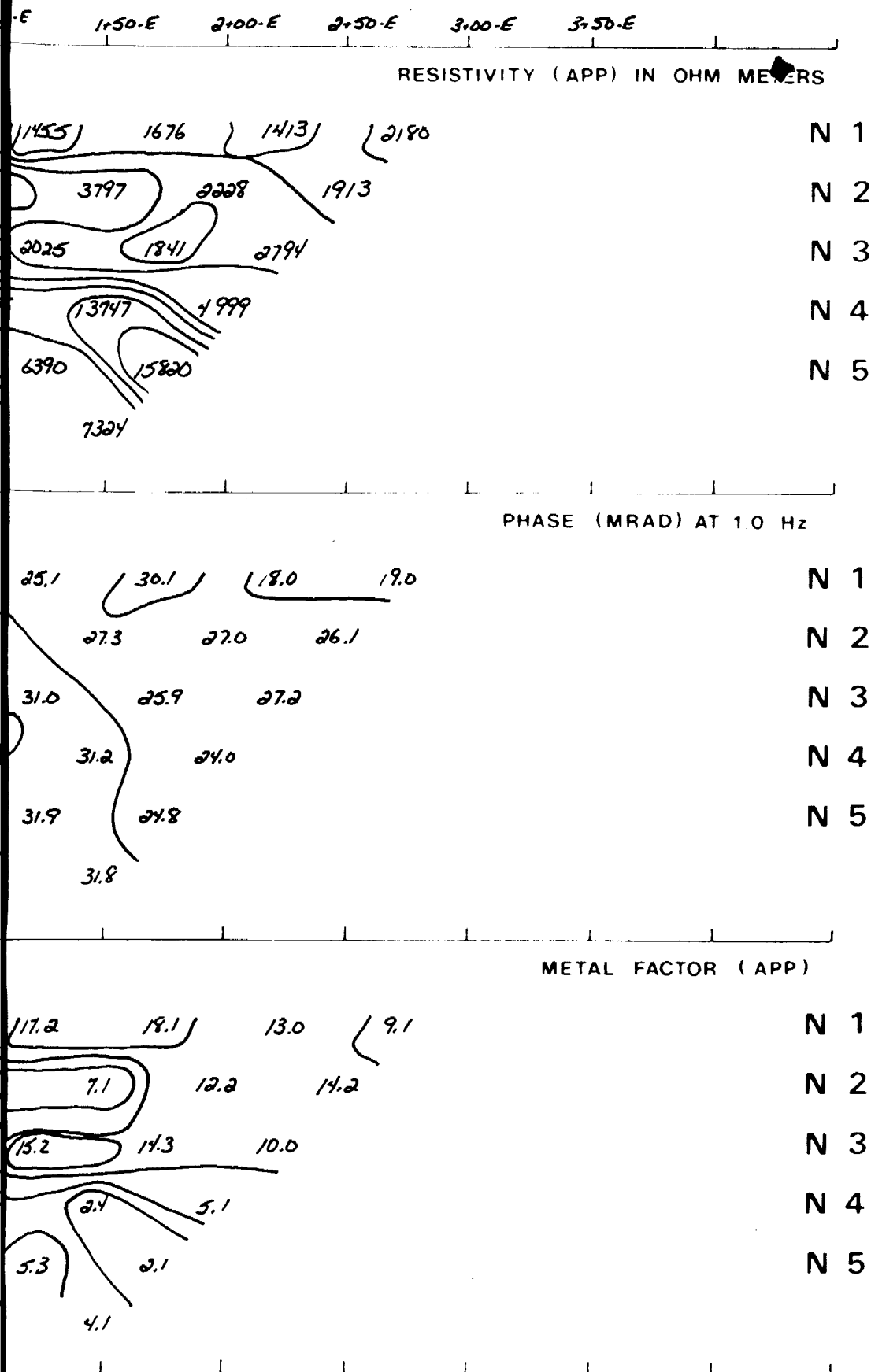
JEAN-GUY DUBÉ

DATE:

July 19-89



REMY BELANGER INC.

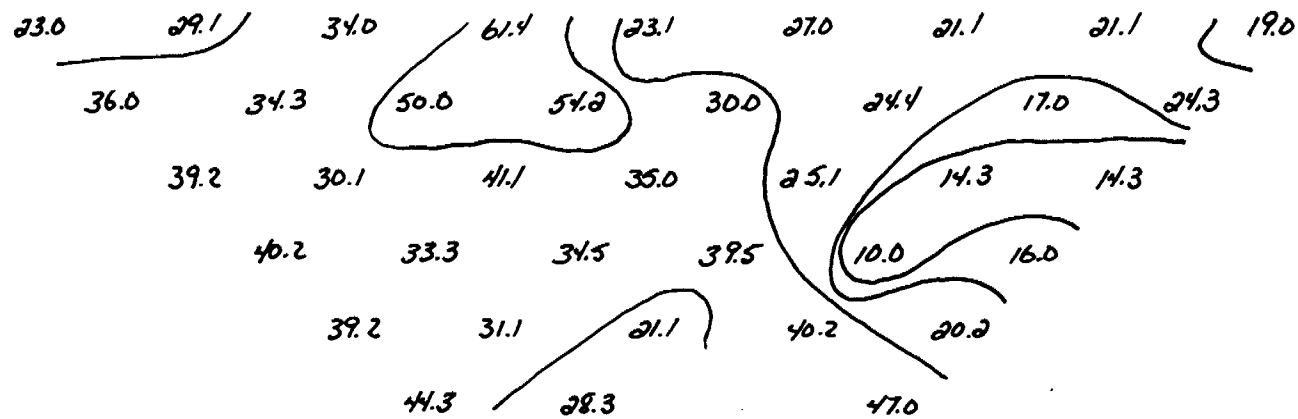


2+00-W 1+50-W 1+00-W 0+50-W 0+00 0+50-E 1+00-E 1+50-E 2+00-E 2+50-E 3+00-E 3+50-E

RESISTIVITY (APP) IN OHM METERS

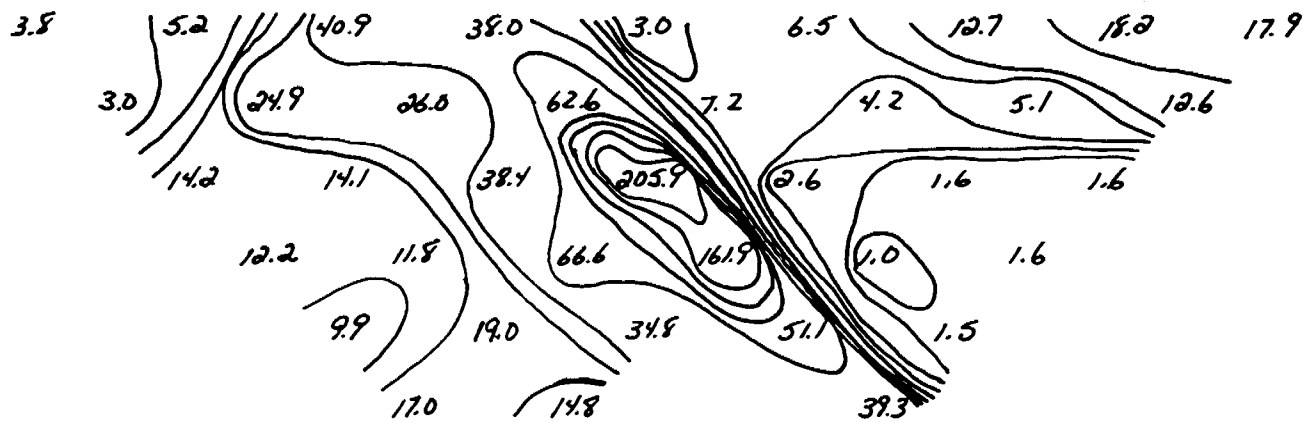


PHASE (MRAD) AT 1.0 Hz.



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

METAL FACTOR (APP)

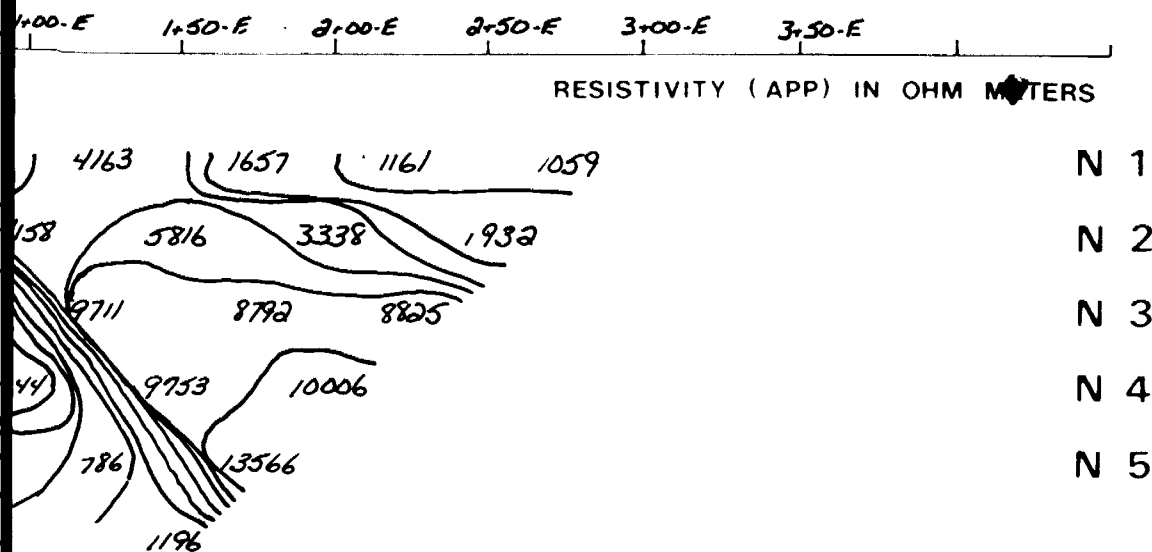


BEAVER
POND

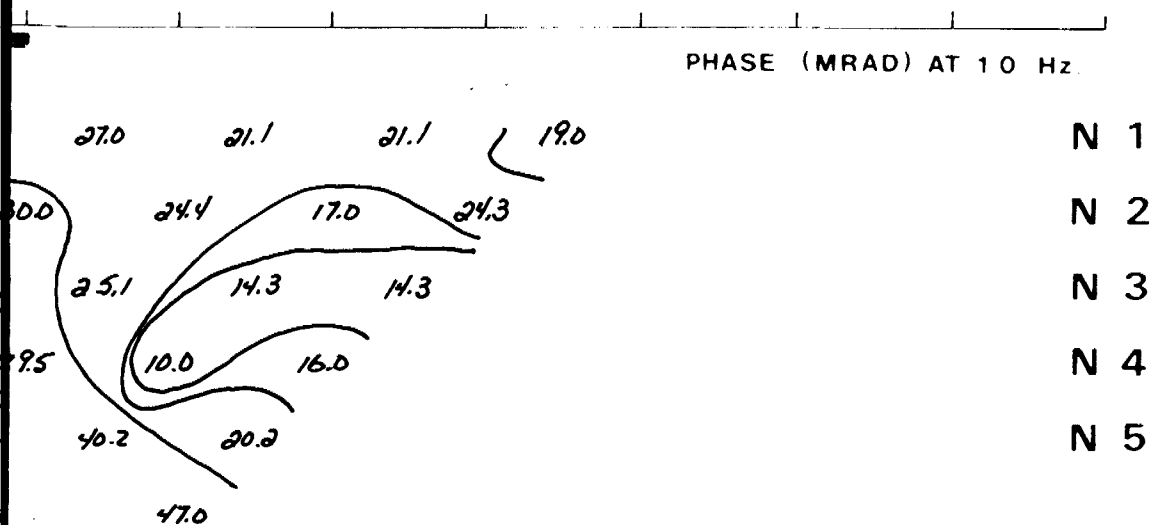
← FLAT →

INDUCED POLARIZATION AND RESISTIVITY SURVEY

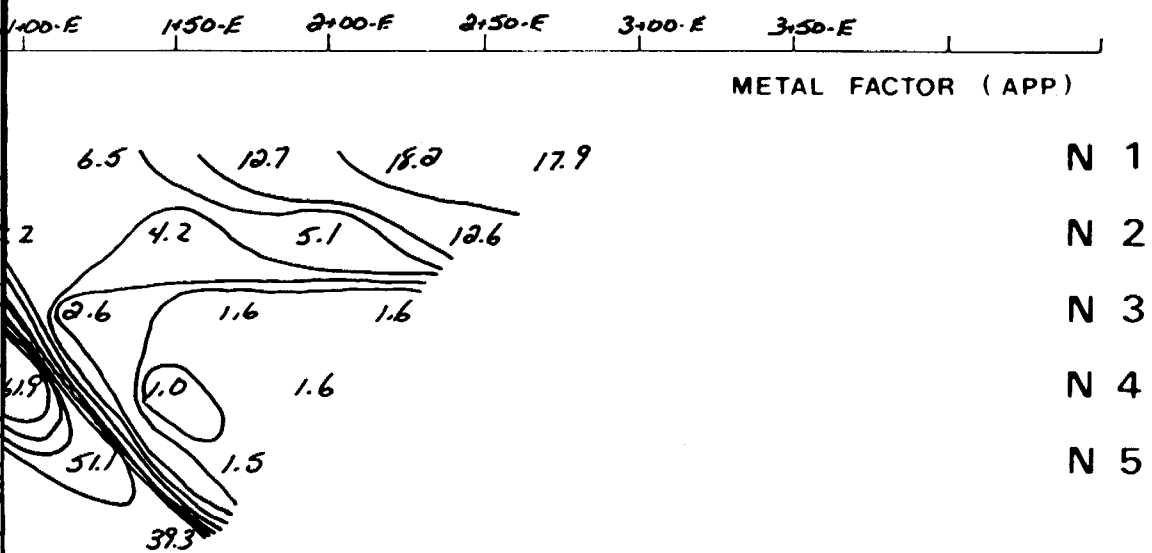
COMPANY: TBS-ZAVITZ I.P. PROGRAM
Property: ZAVITZ TWP.



N 1
N 2
N 3
N 4
N 5



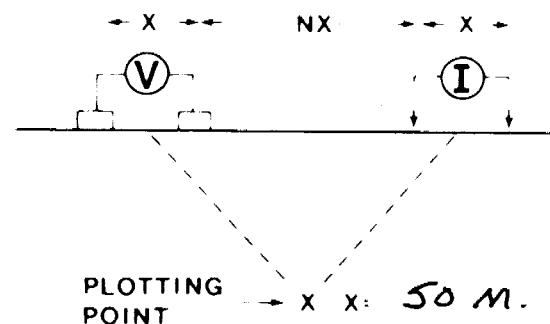
N 1
N 2
N 3
N 4
N 5



N 1
N 2
N 3
N 4
N 5

LINE No. 0+50-S

ELECTRODE CONFIGURATION
(DIPOLE - DIPOLE)



SURFACE PROJECTION
OF ANOMALOUS ZONES

2.12891

- DEFINITE
- PROBABLE
- POSSIBLE

INSTRUMENT: PHOENIX IPV-4 SPECTRAL FREQUENCY: 1.0 Hz
IPT-1 CR-2

* NOTE: CONTOURS AT LOGARITHMIC INTERVALS (1.1, 1.5, 2, 3, 5, 7, 5, 10)

DATE SURVEYED:
July-07-1989

APPROVED:
R. Belanger

OPERATOR:
YVES BOUCHER

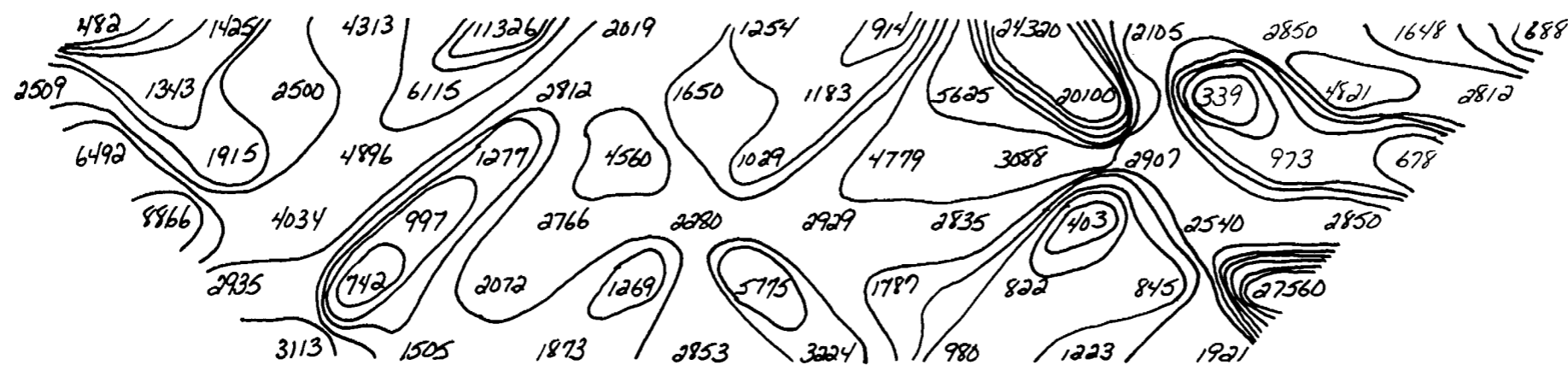
DATE:
July 19-89



REMY BELANGER INC.

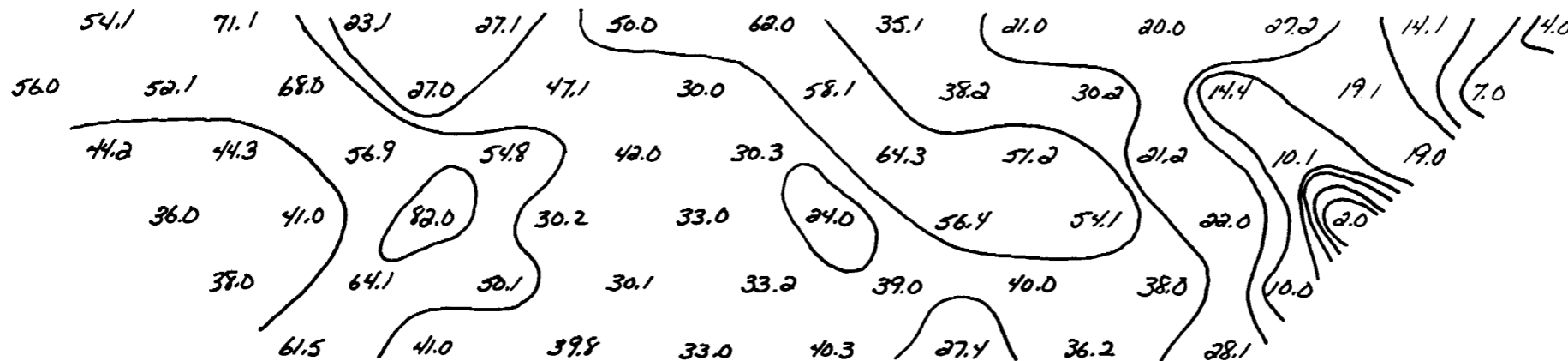
3+50-W 3+00-W 2+50-W 2+00-W 1+50-W 1+00-W 0+50-W 0+00 0+50-E 1+00-E 1+50-E 2+00-E 2+50-E 3+00-E 3+50-E

RESISTIVITY (APP) IN OHM METERS



N 1
N 2
N 3
N 4
N 5

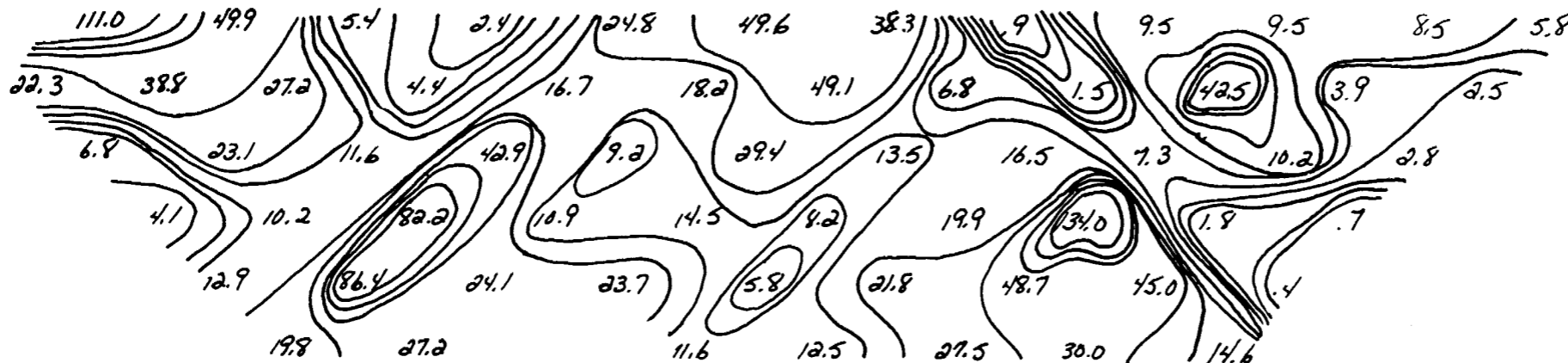
PHASE (MRAD) AT 1.0 Hz



N 1
N 2
N 3
N 4
N 5

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

METAL FACTOR (APP)



N 1
N 2
N 3
N 4
N 5

CREEK

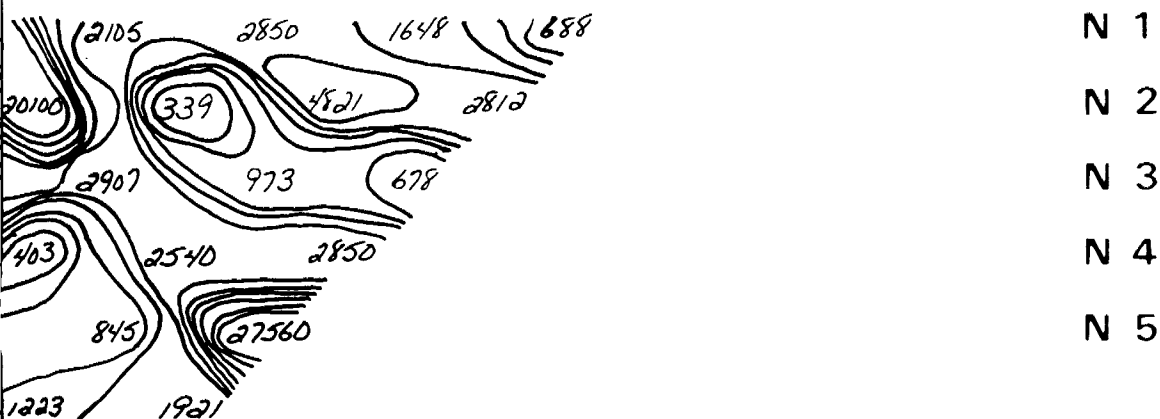
FLAT →

INDUCED POLARIZATION AND RESISTIVITY SURVEY

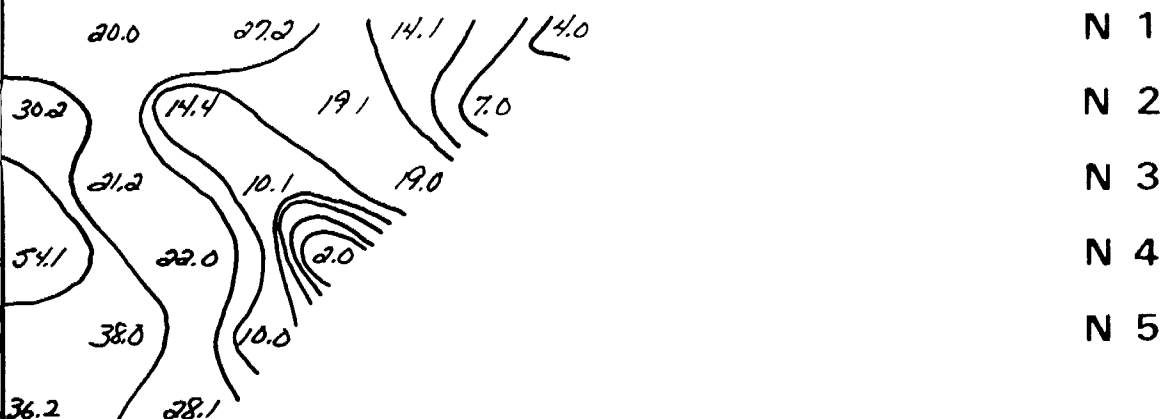
COMPANY = TBS. ZAVITZ I.P. PROGRAM
Property = ZAVITZ TWP.

100-E 150-E 200-E 250-E 300-E 350-E

RESISTIVITY (APP) IN OHM MET .RS

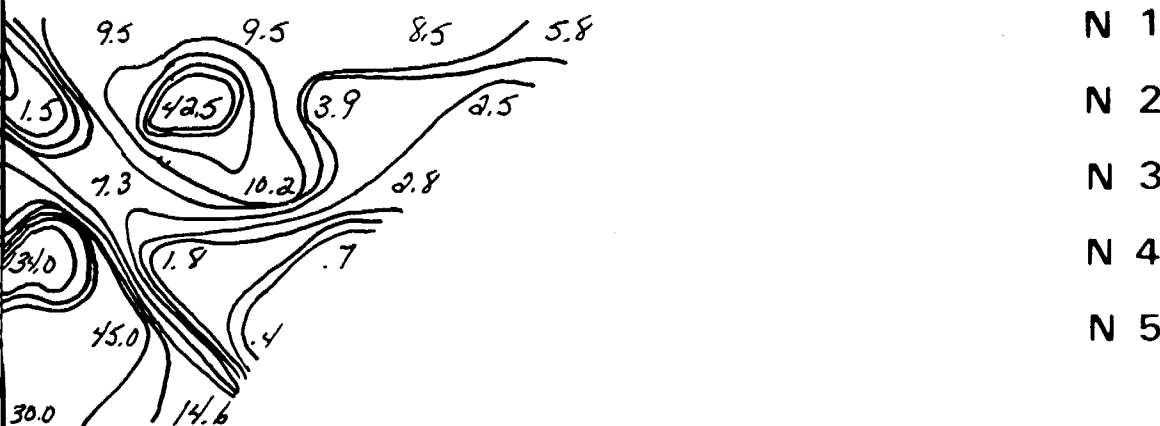


PHASE (MRAD) AT 1.0 Hz



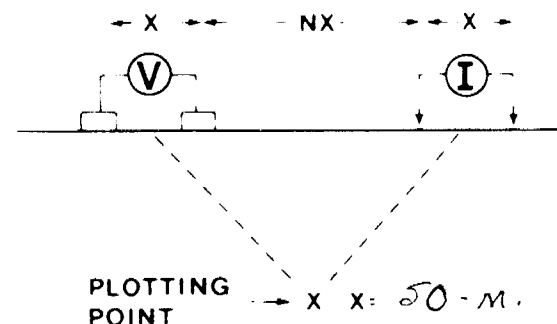
100-E 150-E 200-E 250-E 300-E 350-E

METAL FACTOR (APP.)






LINE No. 0

ELECTRODE CONFIGURATION
(DIPOLE - DIPOLE)



SURFACE PROJECTION
OF ANOMALOUS ZONES

2.12891

DEFINITE --- 
PROBABLE - - - 
POSSIBLE - - - 

INSTRUMENT: PHOENIX IPV-4 SPECTRAL FREQUENCY: 1.0 Hz
IPT-1 CR-2

*NOTE: CONTOURS AT LOGARITHMIC INTERVALS (1.1.5.2.3.5.7.5.10)

DATE SURVEYED:

July-07-1989

APPROVED:

R. Belanger

OPERATOR:

REMY BELANGER

DATE:

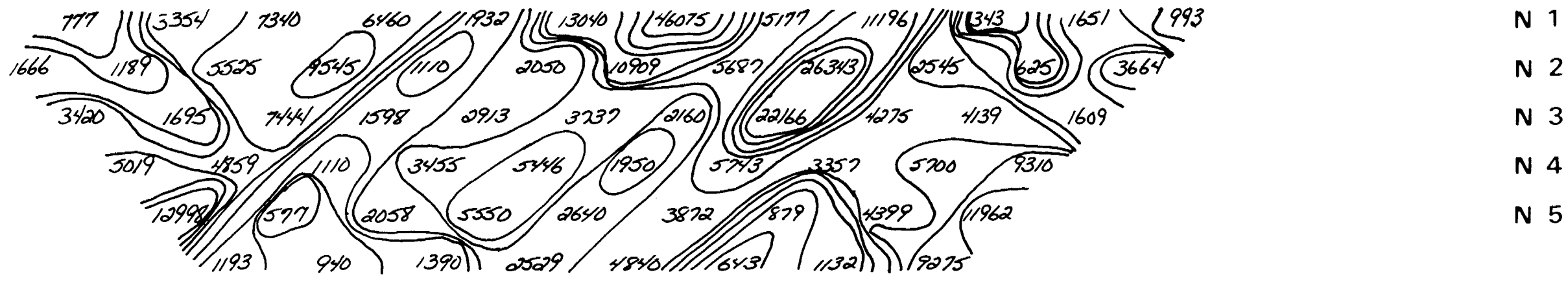
July 19-89



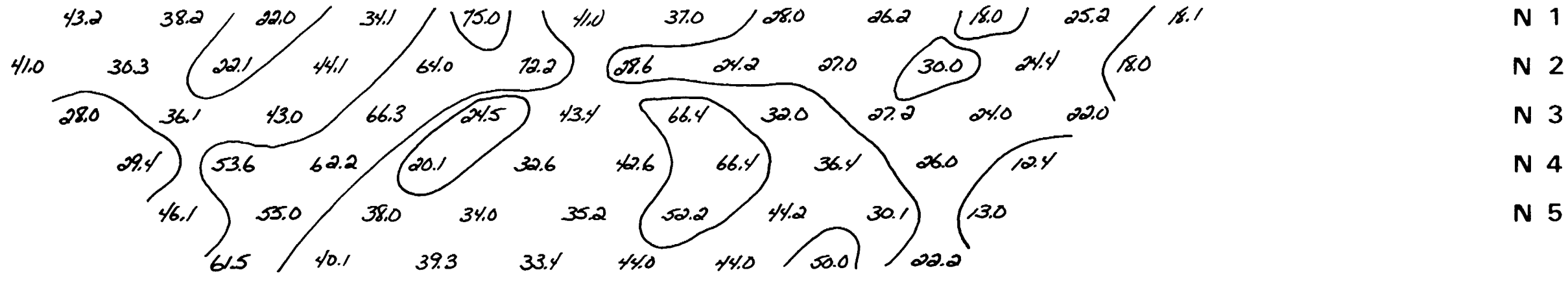
REMY BELANGER INC.

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

RESISTIVITY (APP) IN OHM METERS

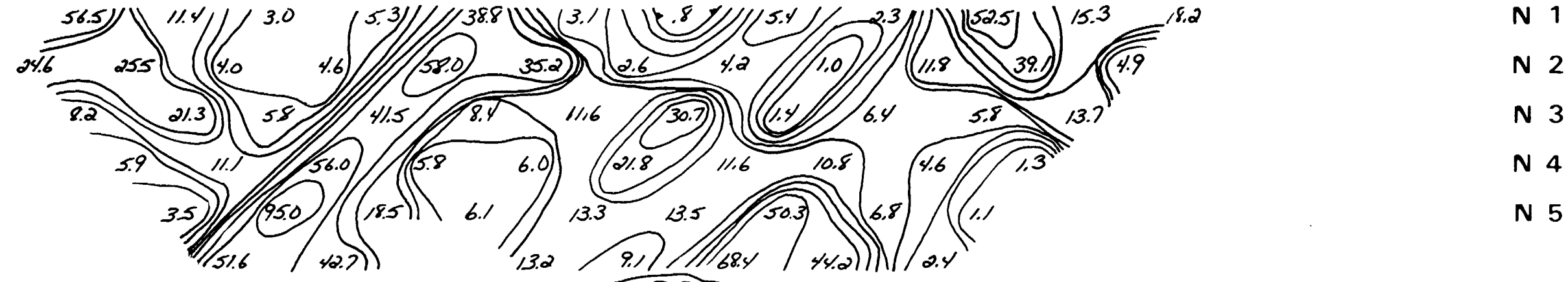


PHASE (MRAD) AT 1.0 Hz



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

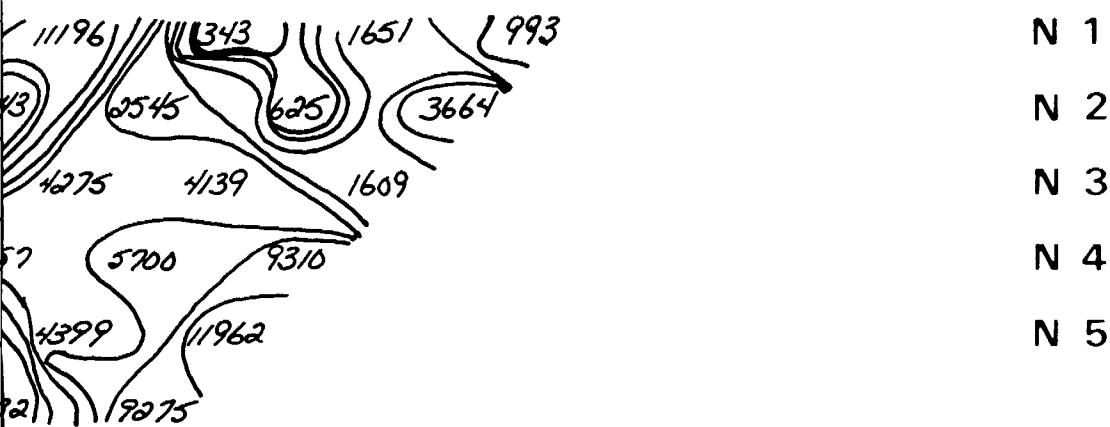
METAL FACTOR (APP)



OUTCROP
SWAMP

00-E 150-E 200-E 250-E 300-E 350-E

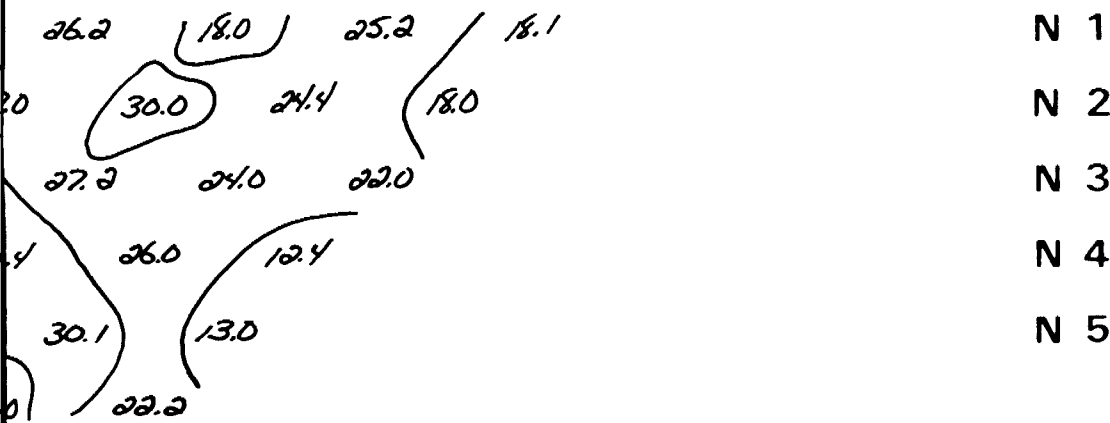
RESISTIVITY (APP) IN OHM METERS



N 1
N 2
N 3
N 4
N 5

00-E 150-E 200-E 250-E 300-E 350-E

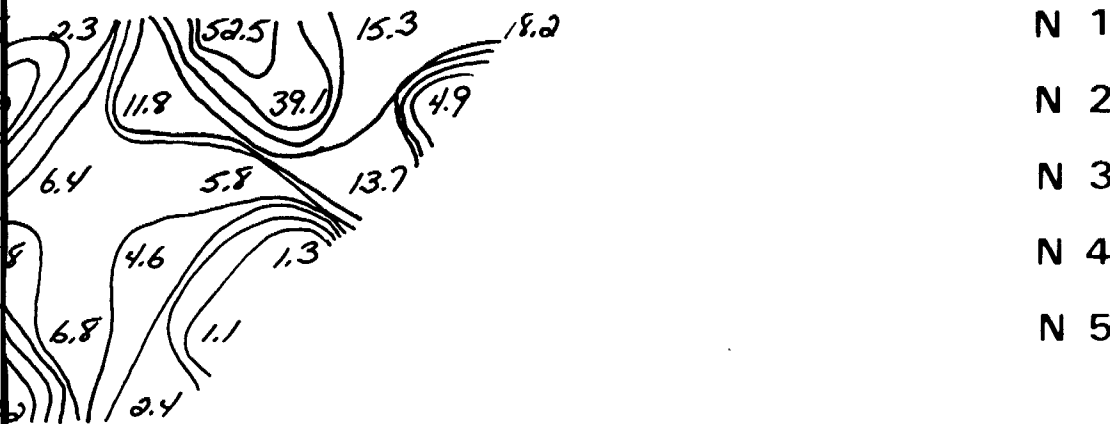
PHASE (MRAD) AT 1.0 Hz



N 1
N 2
N 3
N 4
N 5

00-E 150-E 200-E 250-E 300-E 350-E

METAL FACTOR (APP)



N 1
N 2
N 3
N 4
N 5

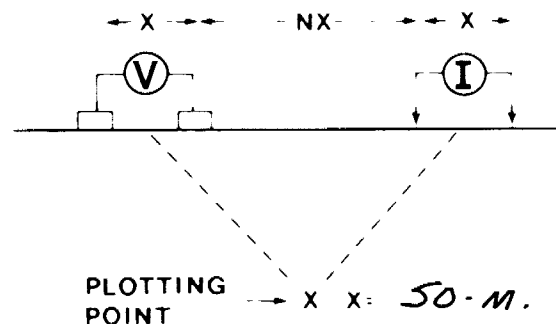
SWAMP

INDUCED POLARIZATION AND RESISTIVITY SURVEY

COMPANY: TBS - ZAVITZ I.P. PROGRAM
Property: ZAVITZ tw P.

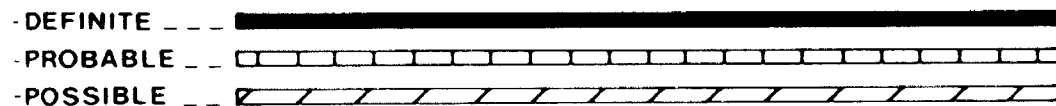
LINE No. 0.50-N

ELECTRODE CONFIGURATION (DIPOLE - DIPOLE)



2.12891

SURFACE PROJECTION OF ANOMALOUS ZONES



INSTRUMENT: PHOENIX IPV-4 SPECTRAL FREQUENCY: 1.0 Hz
IPT-1 CR-2

*NOTE: CONTOURS AT LOGARITHMIC INTERVALS (1.1.5.2.3.5.7.5.10)

DATE SURVEYED:
July-06-1989

APPROVED:
R. Belanger

OPERATOR:
REMY BELANGER

DATE:
July 19-89



REMY BELANGER INC.

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

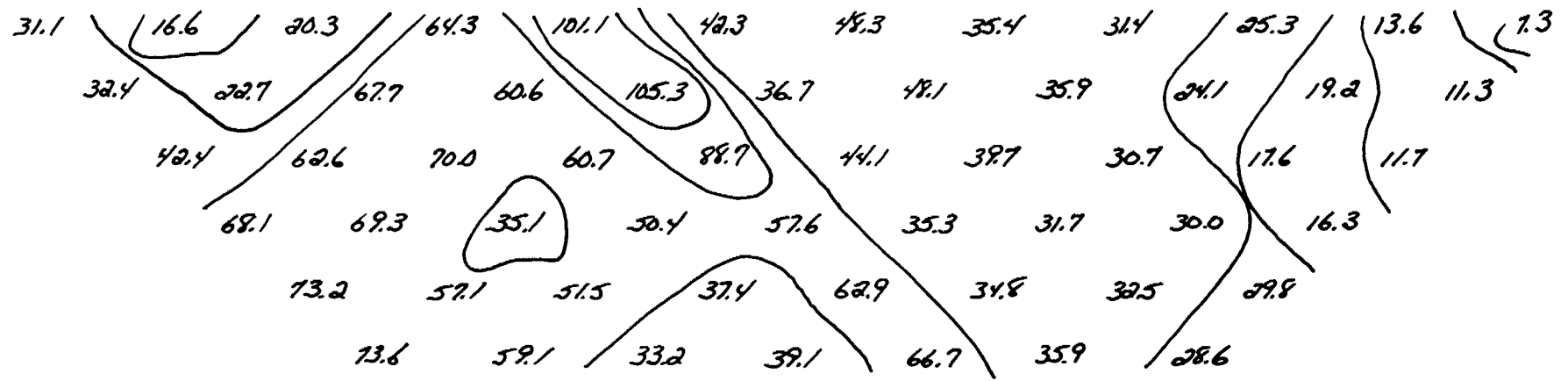
RESISTIVITY (APP) IN OHM METERS

N 1
N 2
N 3
N 4
N 5



PHASE (MRAD) AT 1.0 Hz

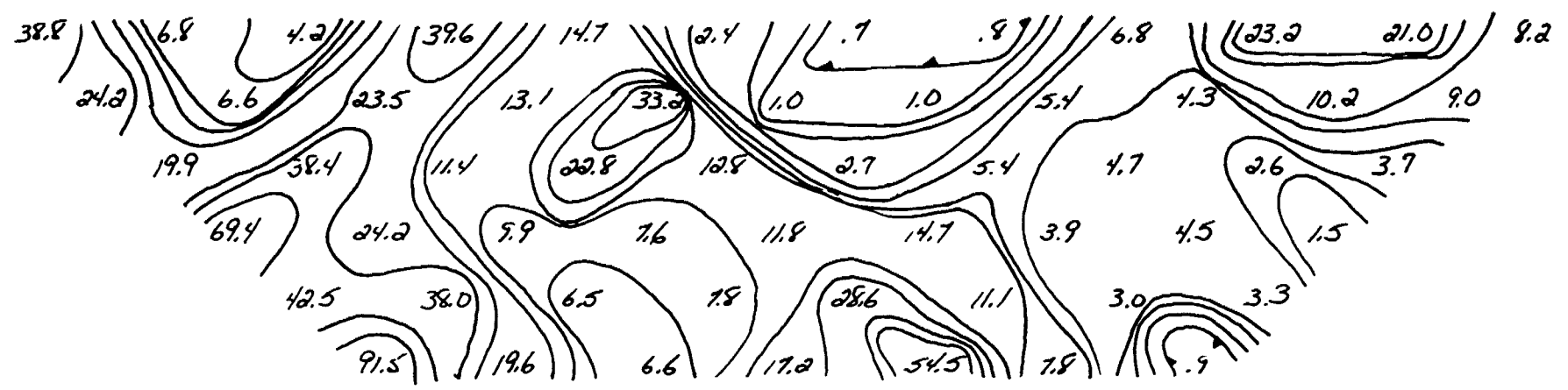
N 1
N 2
N 3
N 4
N 5



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

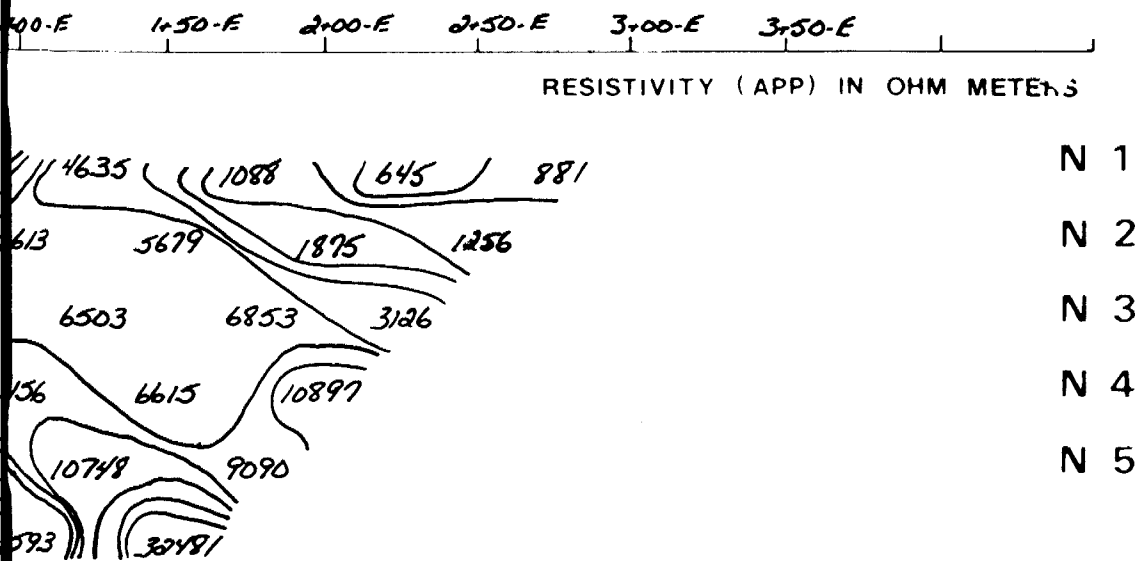
METAL FACTOR (APP)

N 1
N 2
N 3
N 4
N 5

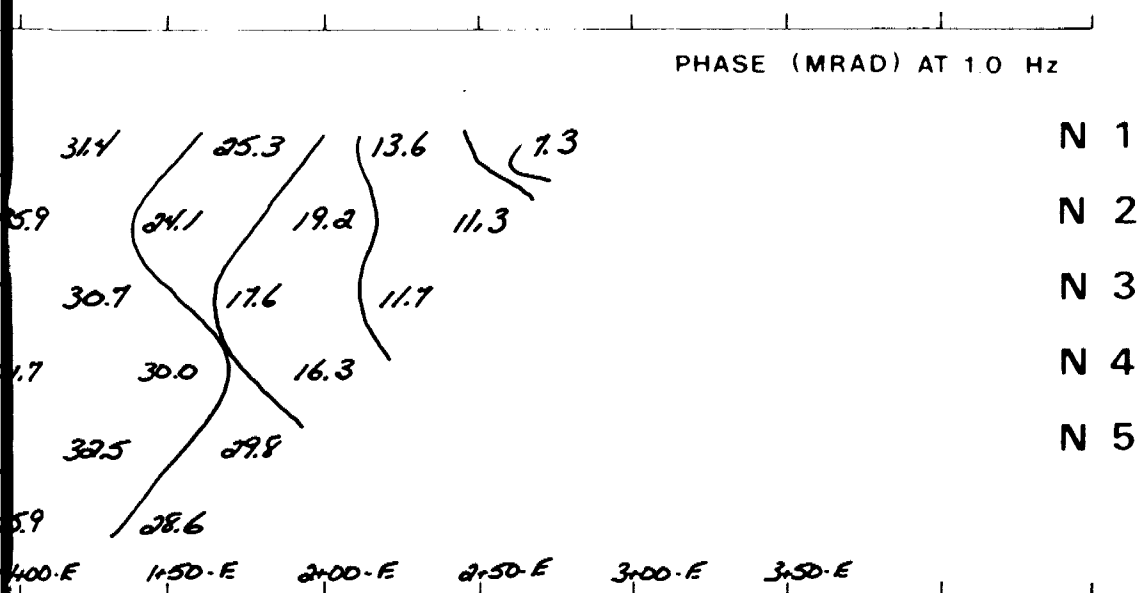


INDUCED POLARIZATION AND RESISTIVITY SURVEY

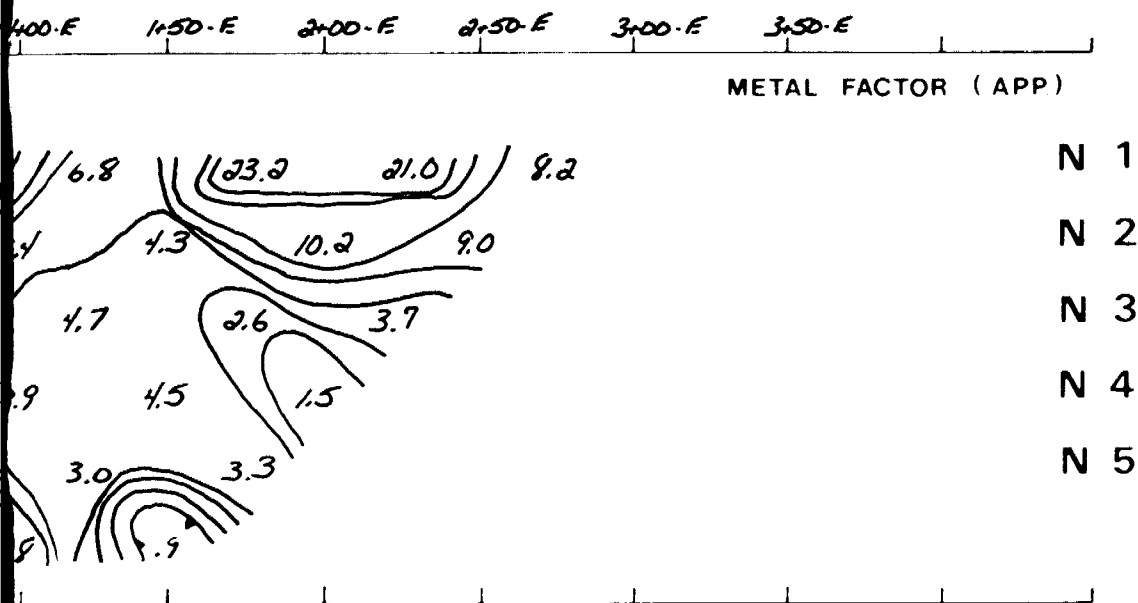
COMPANY: TBS. ZAVITZ I.P. PROGRAM
Property: ZAVITZ TWP.



N 1
N 2
N 3
N 4
N 5



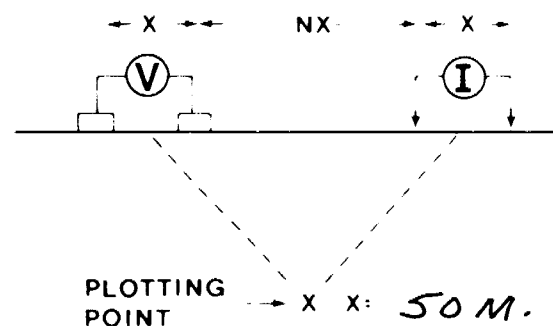
N 1
N 2
N 3
N 4
N 5



N 1
N 2
N 3
N 4
N 5

LINE No. 100-N

ELECTRODE CONFIGURATION
(DIPOLE - DIPOLE)



SURFACE PROJECTION
OF ANOMALOUS ZONES

2.12891

DEFINITE
PROBABLE
POSSIBLE

INSTRUMENT: PHOENIX IPV-4 SPECTRAL FREQUENCY: 1.0 Hz
IPT-1 CR-2

*NOTE: CONTOURS AT LOGARITHMIC INTERVALS (1.1.5.2.3.5.7.5.10)

DATE SURVEYED:
July-06-1989

APPROVED:
R. Belanger

OPERATOR:
JEAN-LUC DUBÉ

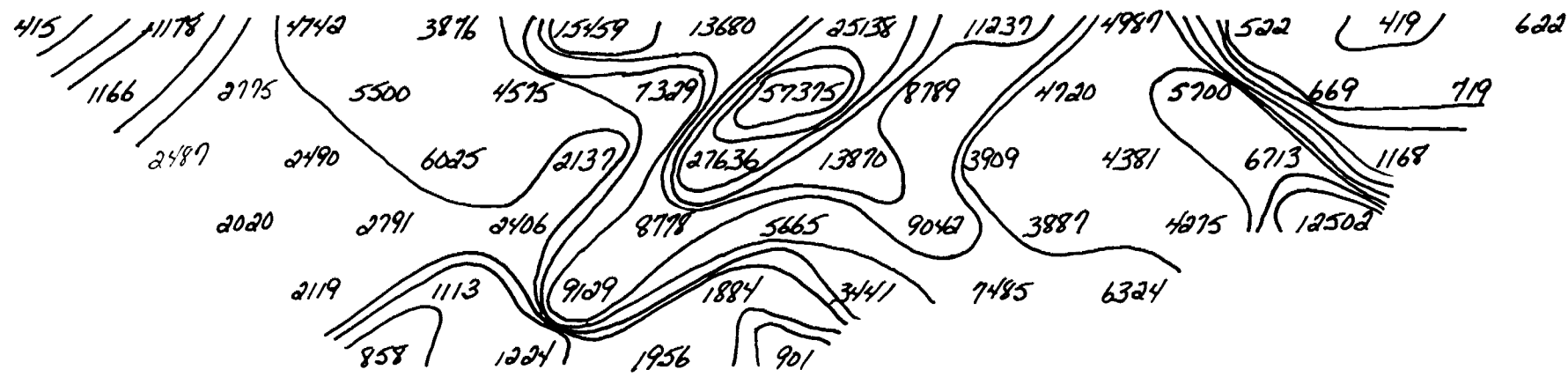
DATE:
July 12-89



REMY BELANGER INC.

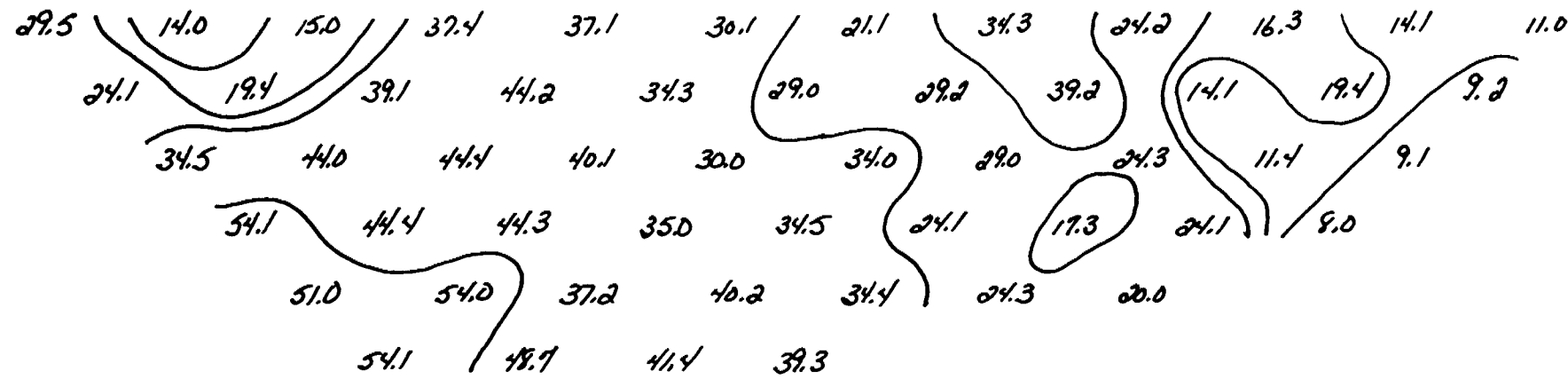
3.50-W 3.00-W 2.50-W 2.00-W 1.50-W 1.00-W 0.50-W 0.00 0.50-E 1.00-E 1.50-E 2.00-E 2.50-E 3.00-E 3.50-E

RESISTIVITY (APP) IN OHM METERS



N 1
N 2
N 3
N 4
N 5

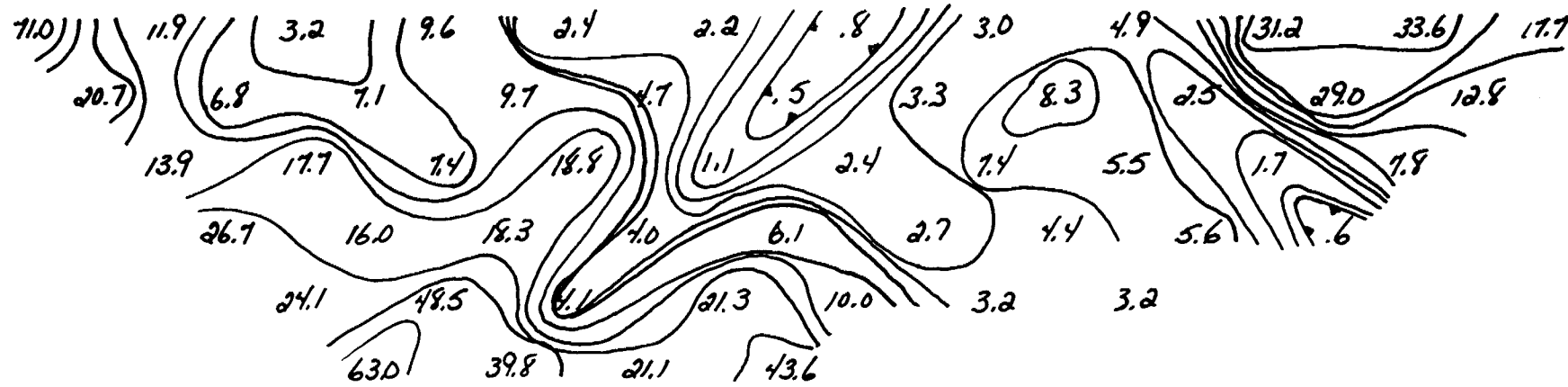
PHASE (MRAD) AT 1.0 Hz



N 1
N 2
N 3
N 4
N 5

3.50-W 3.00-W 2.50-W 2.00-W 1.50-W 1.00-W 0.50-W 0.00 0.50-E 1.00-E 1.50-E 2.00-E 2.50-E 3.00-E 3.50-E

METAL FACTOR (APP)

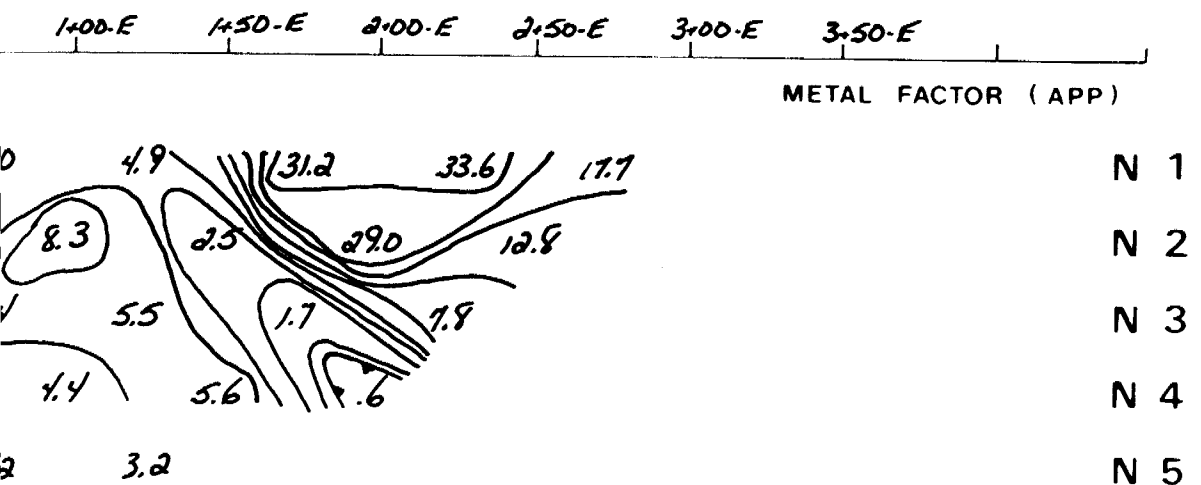
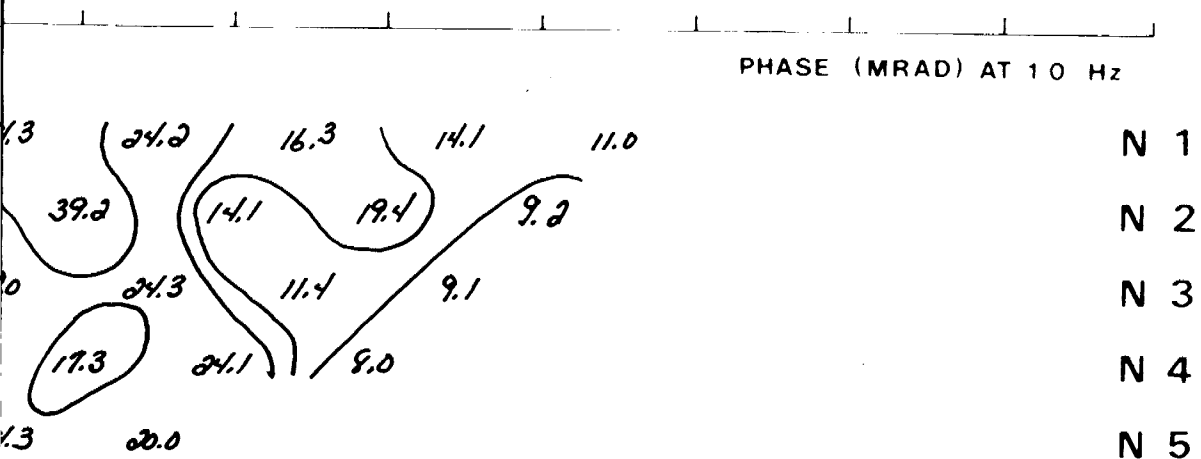
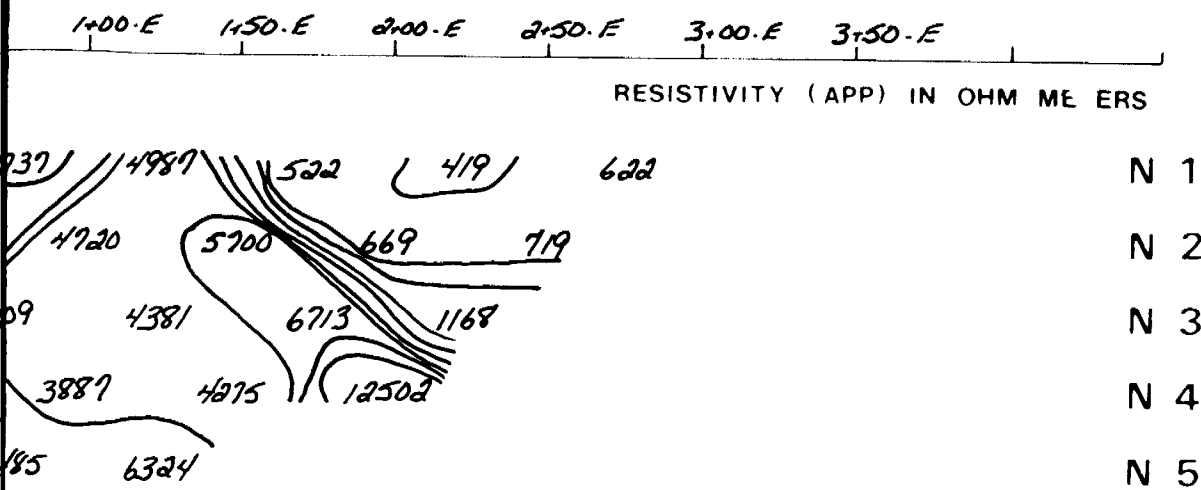


N 1
N 2
N 3
N 4
N 5

← FLAT →

INDUCED POLARIZATION AND RESISTIVITY SURVEY

COMPANY = TBS - LAVITZ I.P. PROGRAM
Property = LAVITZ Twp.



← FIAT →

LINE No. 1+50-N

ELECTRODE CONFIGURATION
(DIPOLE - DIPOLE)

← X → NX → X →



PLOTTING POINT → X X: 50. M.

SURFACE PROJECTION
OF ANOMALOUS ZONES

2.12891

DEFINITE
PROBABLE
POSSIBLE

INSTRUMENT: PHOENIX IPV-4 SPECTRAL FREQUENCY: 1.0 Hz
IPT-1 CR-2

*NOTE CONTOURS AT LOGARITHMIC INTERVALS (1.1.5.2.3.5.7.5.10)

DATE SURVEYED:

July - 06 - 1989

APPROVED:

R. Belanger

OPERATOR:

JUES BOUCHER

DATE:

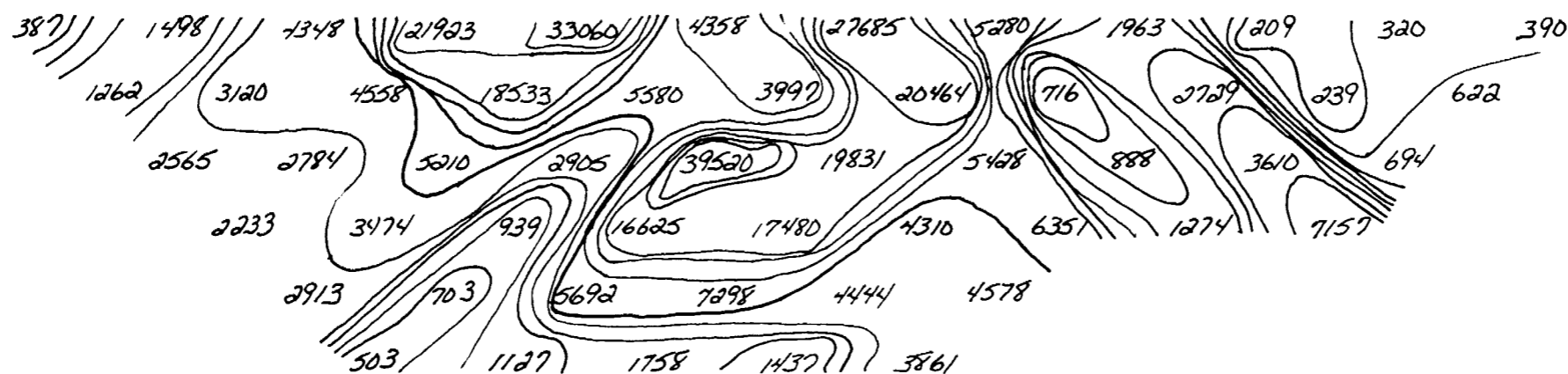
July 19 - 89



REMY BELANGER INC.

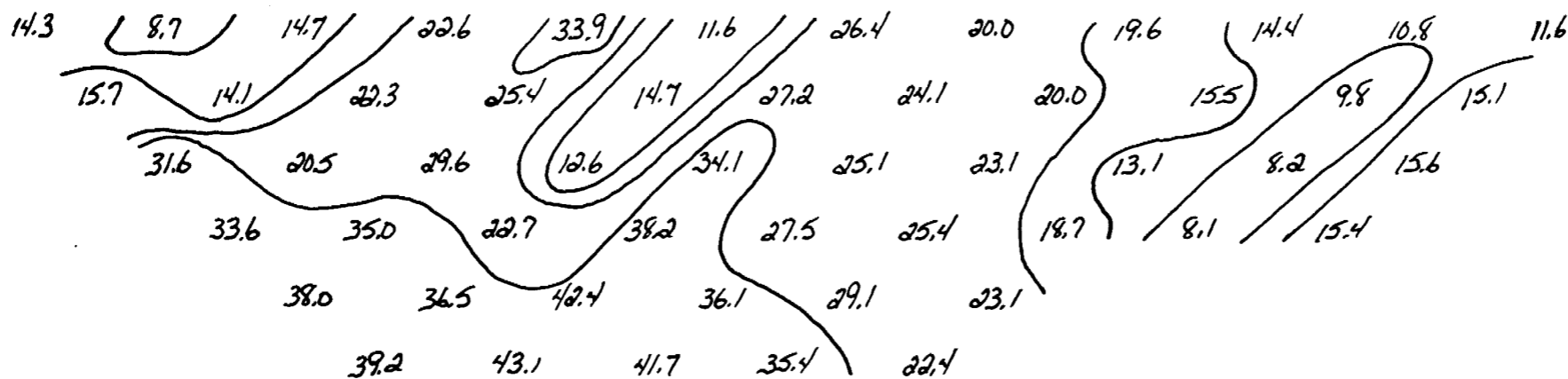
3.50-W 3.00-W 2.50-W 2.00-W 1.50-W 1.00-W 0.50-W 0.00 0.50-E 1.00-E 1.50-E 2.00-E 2.50-E 3.00-E 3.50-E

RESISTIVITY (APP) IN OHM METERS



N 1
N 2
N 3
N 4
N 5

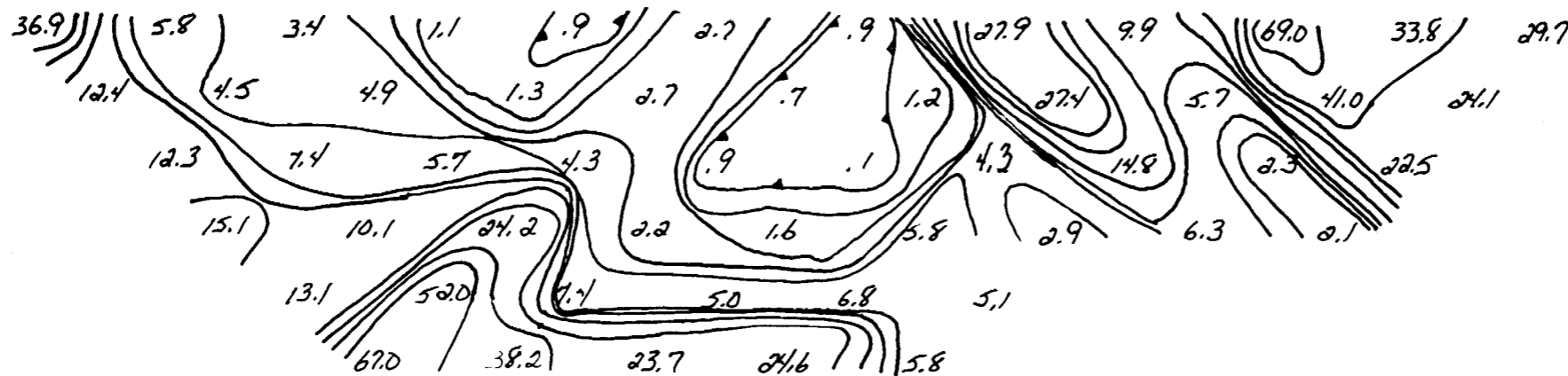
PHASE (MRAD) AT 10 Hz



N 1
N 2
N 3
N 4
N 5

3.50-W 3.00-W 2.50-W 2.00-W 1.50-W 1.00-W 0.50-W 0.00 0.50-E 1.00-E 1.50-E 2.00-E 2.50-E 3.00-E 3.50-E

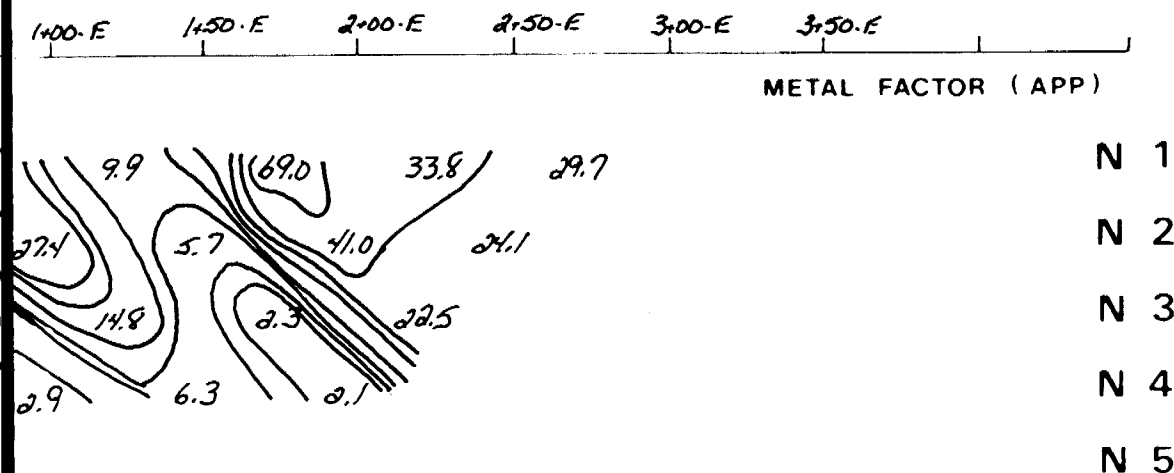
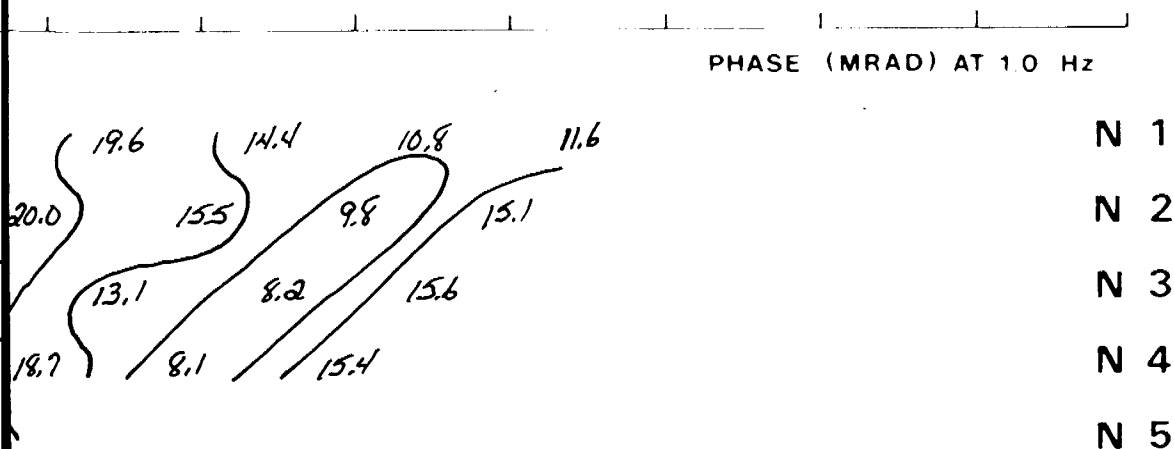
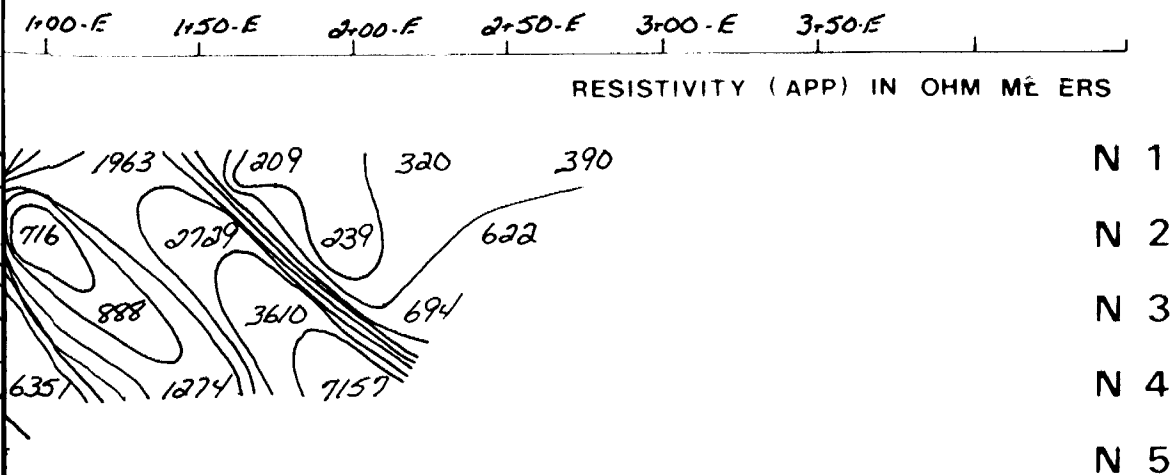
METAL FACTOR (APP)



N 1
N 2
N 3
N 4
N 5

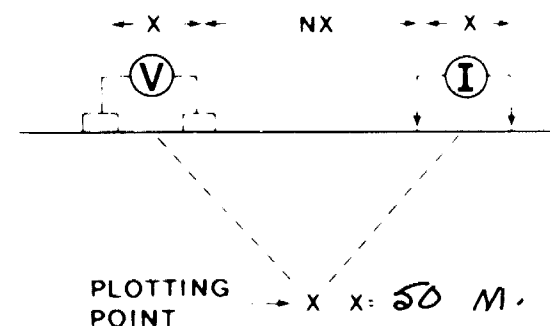
INDUCED POLARIZATION AND RESISTIVITY SURVEY

COMPANY: TBS-ZAVITZ I.P. PROGRAM
Property: ZAVITZ Twp.



LINE No. 2+00-N

ELECTRODE CONFIGURATION
(DIPOLE - DIPOLE)



SURFACE PROJECTION
OF ANOMALOUS ZONES

2.12891

DEFINITE
 PROBABLE
 POSSIBLE

INSTRUMENT PHOENIX IPV-4 SPECTRAL FREQUENCY: 1.0 Hz
IPT-1 CR-2

*NOTE CONTOURS AT LOGARITHMIC INTERVALS (1.1.5.2.3.5.7.5.10)

DATE SURVEYED:

July 06 - 1989

APPROVED:

R. Belanger

OPERATOR:

JEAN-GUY DUBÉ

DATE:

July 19-89



REMY BELANGER INC.

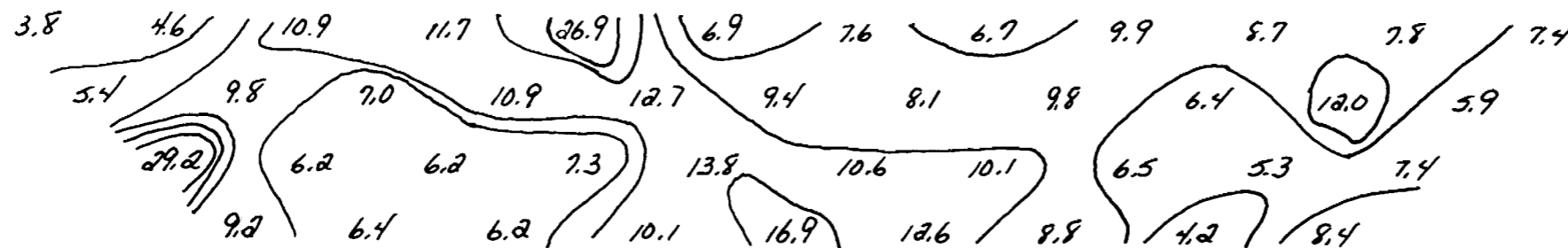
3+50-W 3+00-W 2+50-W 2+00-W 1+50-W 1+00-W 0+50-W 0+00 0+50-E 1+00-E 1+50-E 2+00-E 2+50-E 3+00-E 3+50-E

RESISTIVITY (APP) IN OHM METERS



N 1
N 2
N 3
N 4
N 5

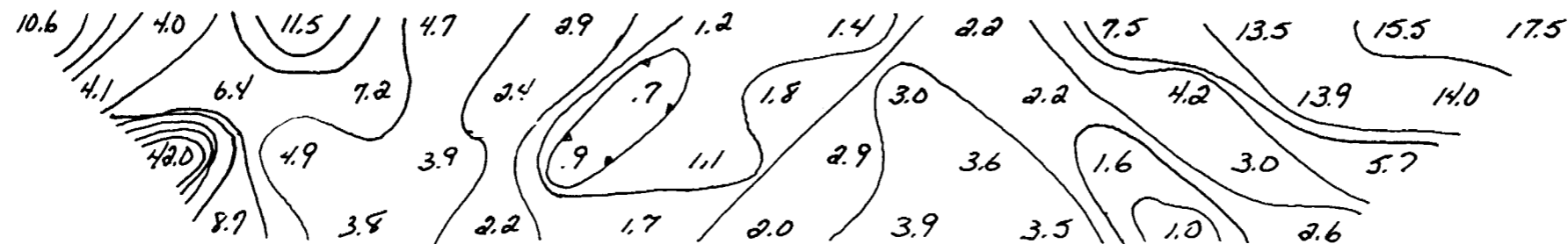
PHASE (MRAD) AT 10 Hz



N 1
N 2
N 3
N 4
N 5

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

METAL FACTOR (APP)

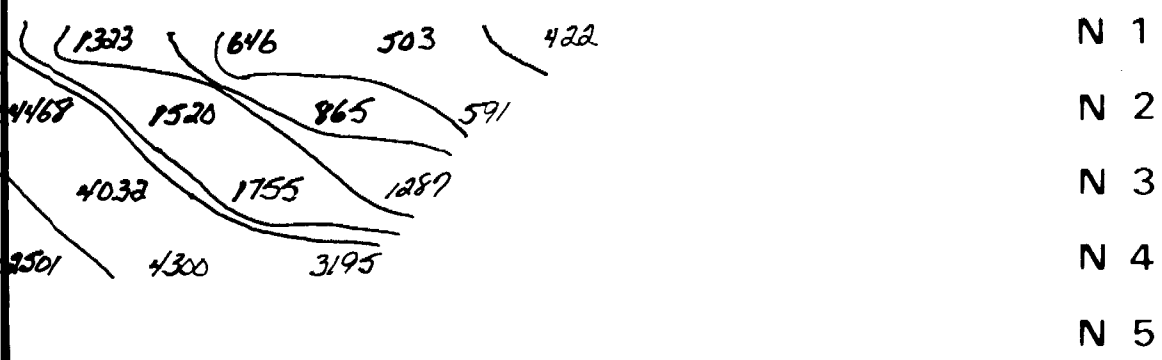


N 1
N 2
N 3
N 4
N 5

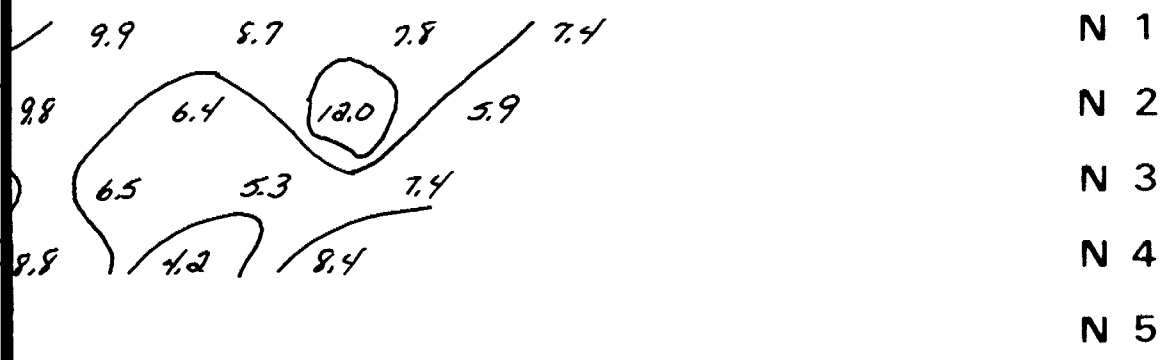
← FLAT →

100-E 150-E 200-E 250-E 300-E 350-E

RESISTIVITY (APP) IN OHM MET RS

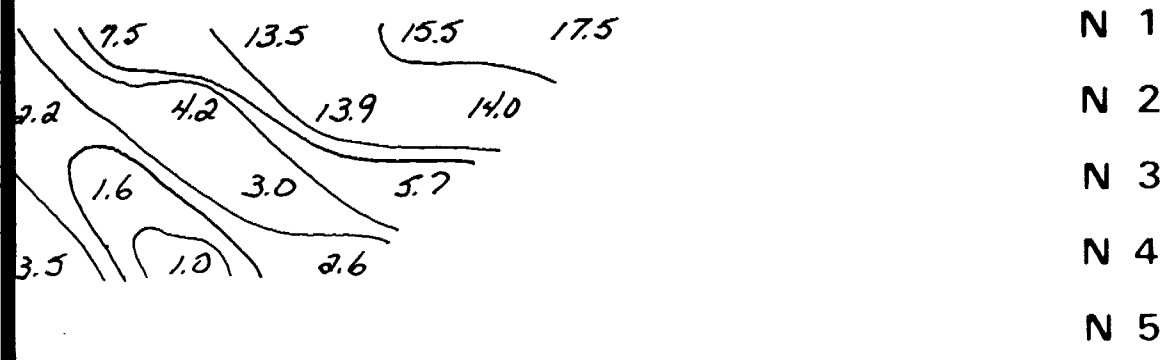


PHASE (MRAD) AT 10 Hz



100-E 150-E 200-E 250-E 300-E 350-E

METAL FACTOR (APP)

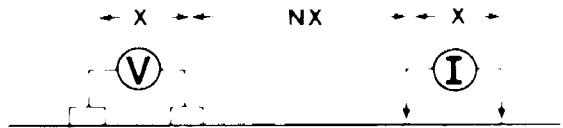


INDUCED POLARIZATION AND RESISTIVITY SURVEY

COMPANY: TBS-ZAVITZ I.P. PROGRAM
Property: ZAVITZ TWP.

LINE No. 300-N

ELECTRODE CONFIGURATION (DIPOLE - DIPOLE)



PLOTTING POINT X X: 20M

SURFACE PROJECTION OF ANOMALOUS ZONES **2.12891**

- DEFINITE
- PROBABLE
- POSSIBLE

INSTRUMENT PHOENIX IPV-4 SPECTRAL FREQUENCY: 10 Hz
IPT-1 CR-2

*NOTE CONTOURS AT LOGARITHMIC INTERVALS (1.1.5.2.3.5.7.5.10)

DATE SURVEYED: July-05-1989

APPROVED: R. Belanger

OPERATOR: JEAN-GUY DUBÉ

DATE: July 19-89



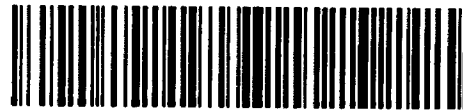
REMY BELANGER INC.



Ministry of Northern Development and Mines

DOCUMENT NO.

W 8906-473



42A03SE0155 2.12891 ZAVITZ

900

Mining Act

Report of Work (Geophysical, Geological and Geochemical Su)

Type of Survey(s): Geophysical Mining Division: Porcupine Township or Area: Zavitz

Recorded Holder(s): Daniel Biensais 2.12891 Prospector's Licence No.: 14-21287

Address: 287 B. Pine South, Timmins, Ont Telephone No.: 267 4105

Survey Company: E. H. van Hees Geological Services Inc.

Name and Address of Author (of Geo-Technical Report): John Walmsley Date of Survey (from & to): 30 Oct 89 to 07 Nov 89

165 Tannock St. Timmins Ont. P4W 6P7

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic (Max. min)	20
For each additional survey: Using the same grid: Enter 20 days (for each)	- Magnetometer	
	- Other I.P	20
Man Days	Geological	
Complete reverse side and enter total(s) here	Geochemical	
	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
	- Other	
	Geological	
	Geochemical	
Airborne Credits	Electromagnetic	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Magnetometer	
	Other	

Total miles flown over claim(s): _____

Date: _____ Recorded Holder or Agent (Signature): _____

Mining Claims Traversed (List in numerical sequence)

Mining Claim		Mining Claim		Mining Claim	
Prefix	Number	Prefix	Number	Prefix	Number
P	1027468				
	1027469				
	1027472				
	1027473				
	1027474				
	1027475				
	1027477				
	1027478				

RECEIVED OCT 26 1989 MINING LANDS SECTION

RECORDED SEP 22 1989

Total number of mining claims covered by this report of work: 8

Verification Verifying Report of Work

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

Name and Address of Person Certifying: John Walmsley, 165 Tannock St. Timmins, Ont., P4W 6P7

Telephone No.: 267-9947 Date: Sept 21 1989 Certified By (Signature): [Signature]

For Office Use Only

Total Days Recorded: 320 Date Recorded: SEPT. 22 1989 Mining Recorder: [Signature]

Date Approved as Recorded: See record work statement Provincial Manager, Mining Lands: [Signature]

Received Stamp: SEP 22 1989 @ 9:00am SL



Ontario

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Mining Lands Section
880 Bay Street, 3rd Floor
Toronto, Ontario
M5S 1Z8

Telephone: (416) 965-4888

March 23, 1990

Your File: W8906-473
Our File: 2.12891

Mining Recorder
Ministry of Northern Development and Mines
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

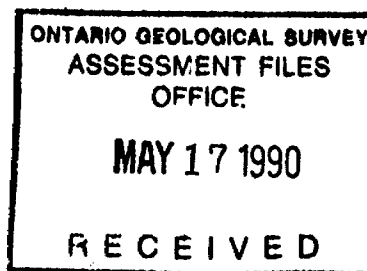
Re: Notice of Intent dated February 8, 1990 for Geophysical
Surveys (Induced Polarization and Electromagnetic) submitted
on Mining Claims P 1027468 et al in Zavitz Township.

The assessment work credits, as listed with the above-mentioned Notice
Intent have been approved as of the above date.

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

Yours sincerely,

W.R. Cowan
Provincial Manager, Mining Lands
Mines & Minerals Division



DM:pt
Enclosure

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

Resident Geologist
Timmins, Ontario

Daniel Bienais
Timmins, Ontario

E.H. Van Hees Geological Inc.
Timmins, Ontario



Recorded Holder DANIEL BIENNAIS
Township or Area ZAVITZ TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization <u>14.5</u> days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological _____ days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input checked="" type="checkbox"/> Ground <input 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.	P 1027468, 1027469 1027472 to 475 incl. 1027477, 1027478

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

not sufficiently covered by the survey insufficient technical data filed

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 77(19) - 60.



Technical Assessment
Work Credits

File
2.12891

Date
Feb. 8, 1990

Mining Recorder's Report or
Work No. W8906-473

Recorded Holder
DANIEL BIENAS

Township or Area
ZAVITZ TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic <u>14.5</u> days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological _____ days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input checked="" type="checkbox"/> Ground <input 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.	P 1027468, 1027469 1027472 to 475 1027477, 1027478

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

not sufficiently covered by the survey insufficient technical data filed

FEB 22 1990

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 - 00; Geological - 40; Geochemical - 40; Section 77(19) - 60.

Geikie Twp.(M.320)

THE TOWNSHIP OF

ZAVITZ

DISTRICT OF SUDBURY

PORCUPINE MINING DIVISION

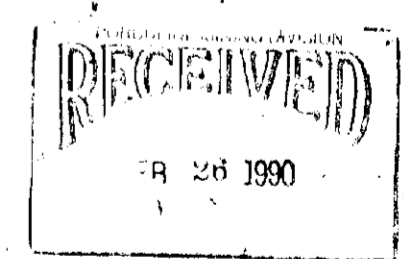
SCALE: 1-INCH 40 CHAINS

LEGEND

- PATENTED LAND Ⓟ
- 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.

NOTES

400' SURFACE RIGHTS RESERVATION ALONG THE SHORES OF ALL LAKES AND RIVERS.



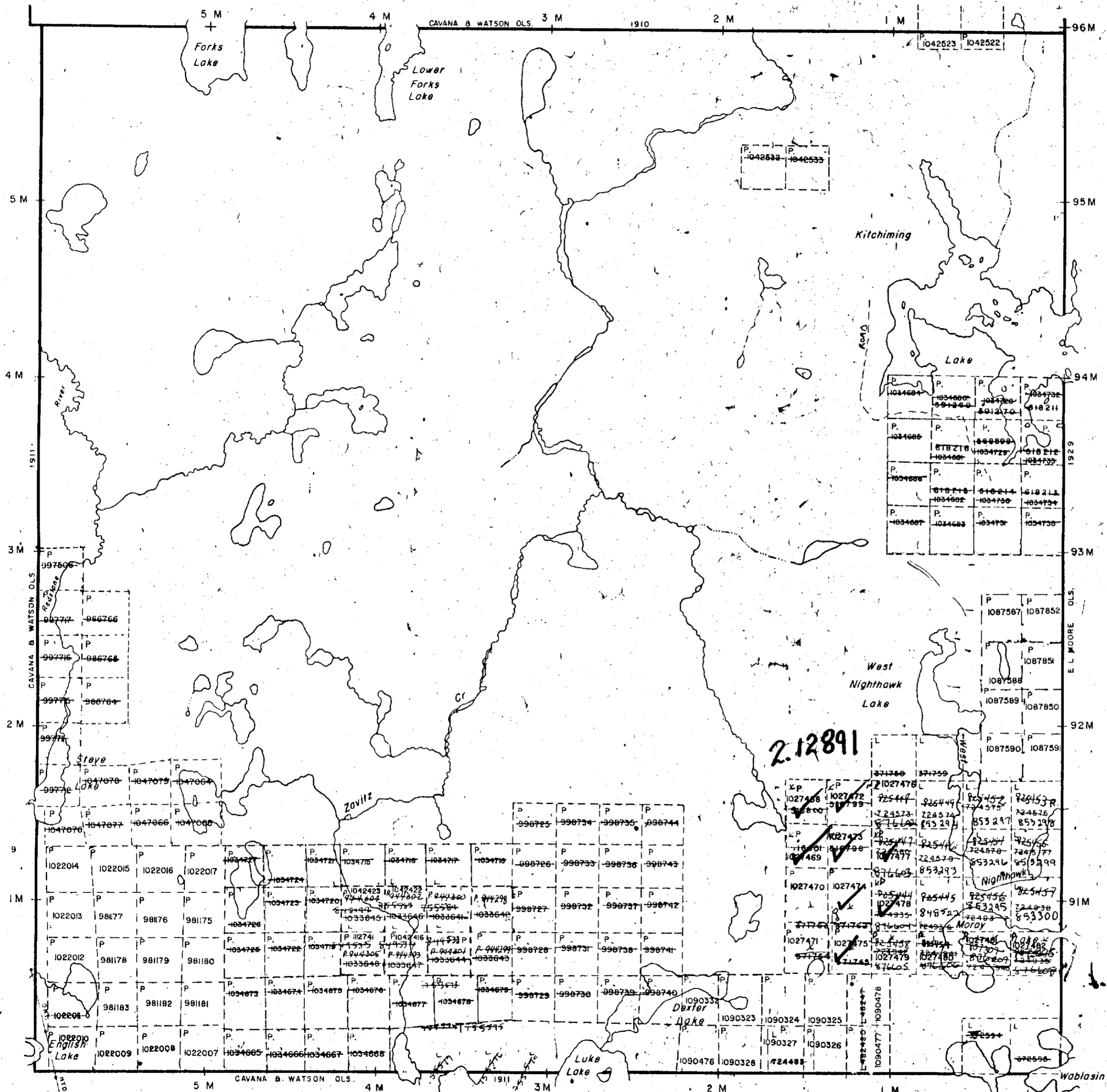
PLAN NO. M. 1189

ONTARIO
MINISTRY OF NATURAL RESOURCES

SURVEYS AND MAPPING BRANCH

English Twp.(M.787)

Hincks Twp.(M.223)

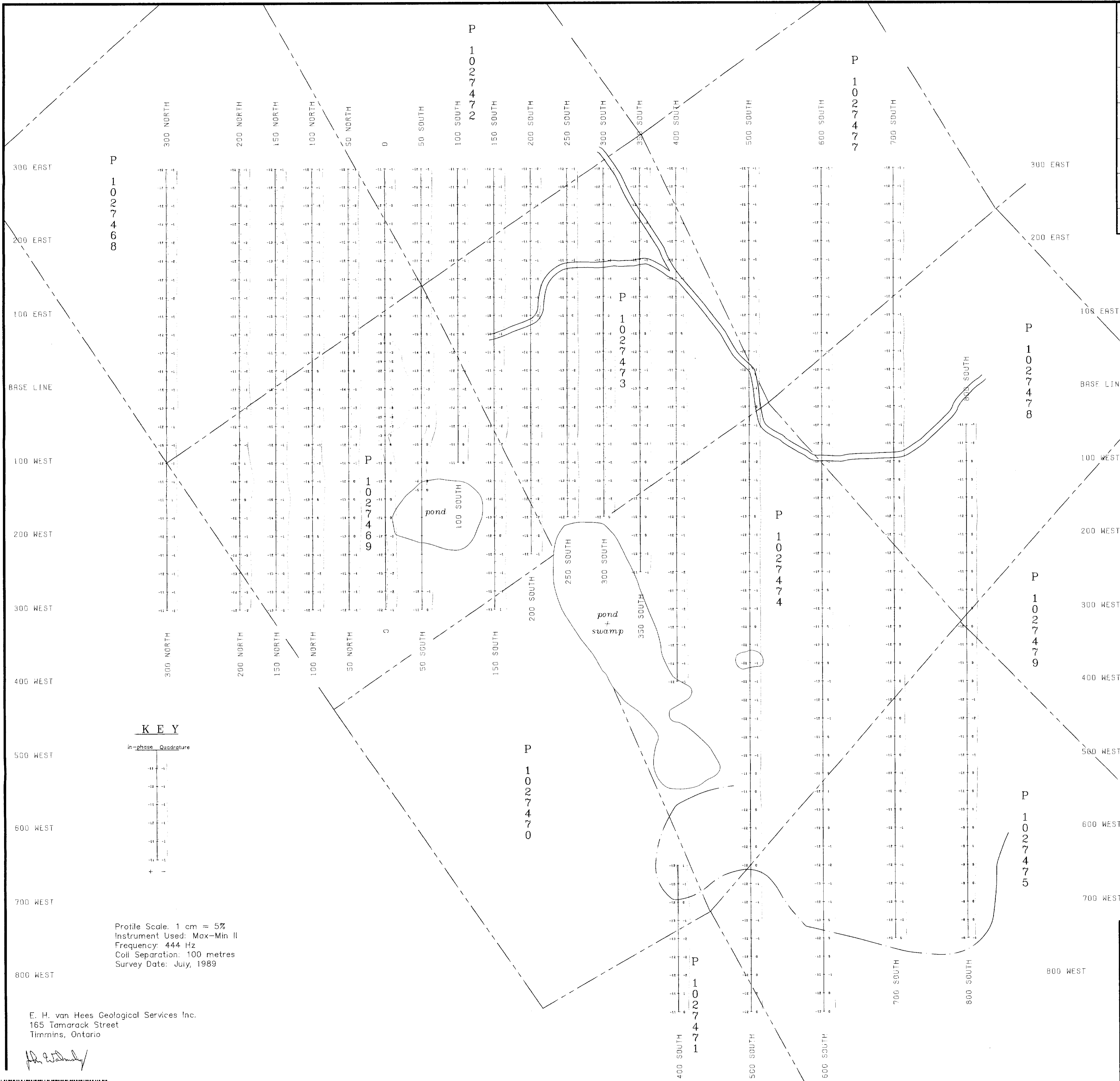
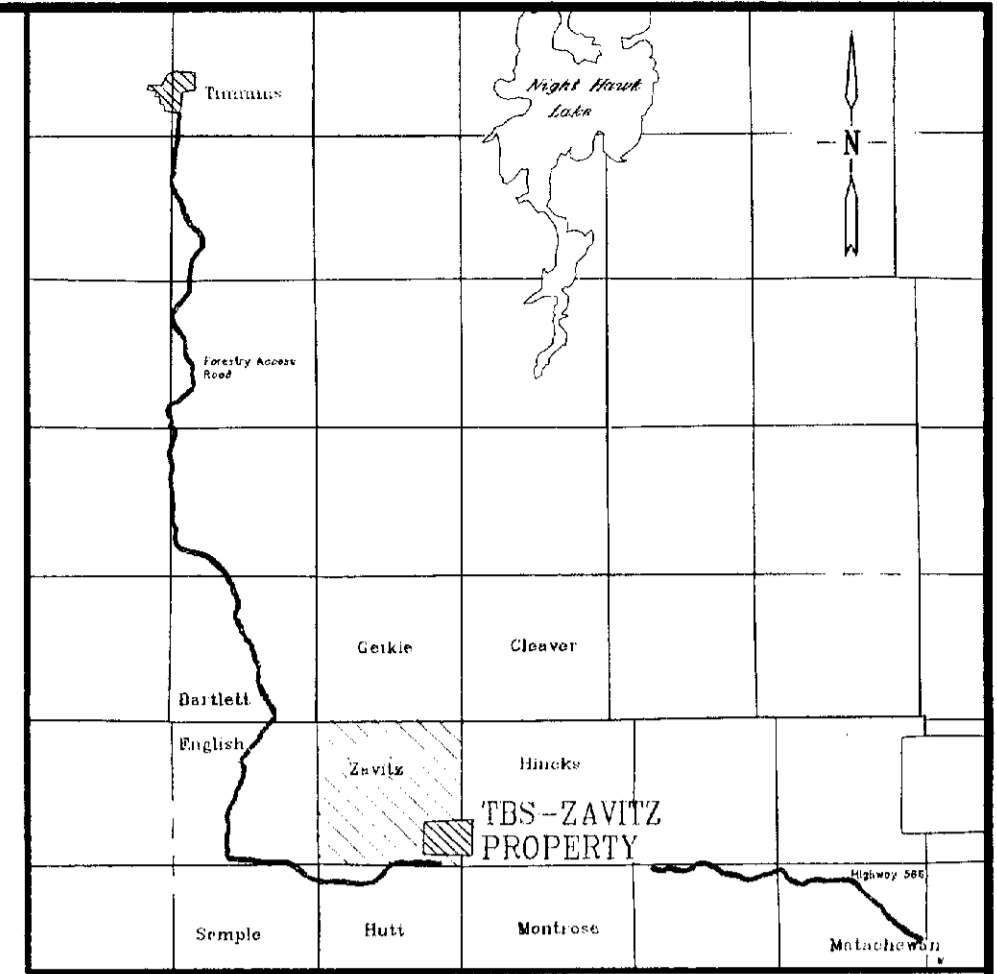


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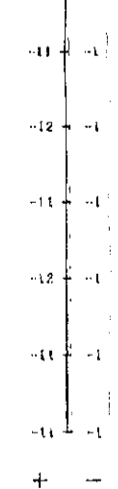
42A035E0155 2.12891 ZAVITZ

Hutt Twp.(M.943)



KEY

In-phase Quadrature



Profile Scale: 1 cm = 5%
 Instrument Used: Max-Min II
 Frequency: 444 Hz
 Coil Separation: 100 metres
 Survey Date: July, 1989

E. H. van Hees Geological Services Inc.
 165 Tamarack Street
 Timmins, Ontario

J. Walsley

2.12891

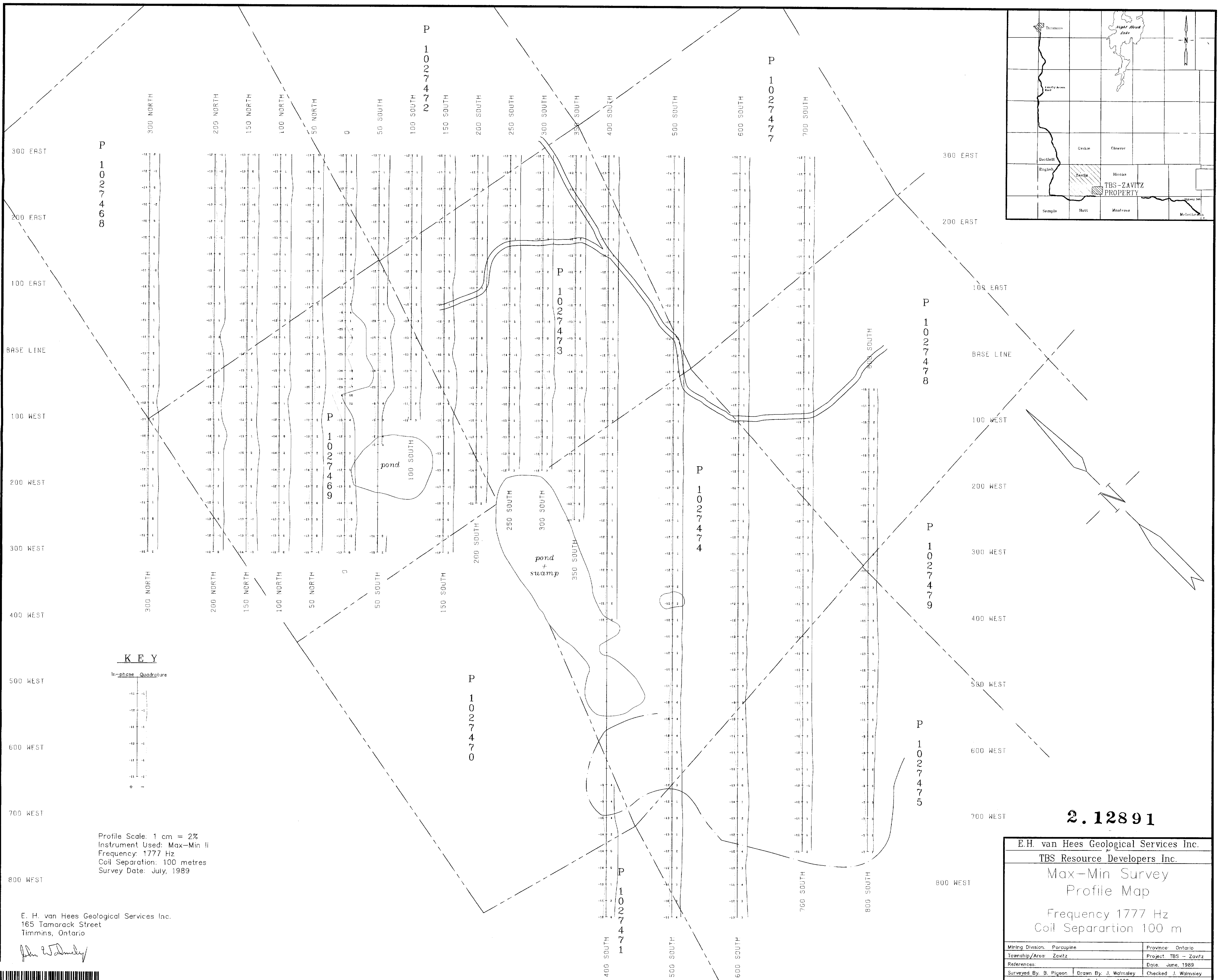
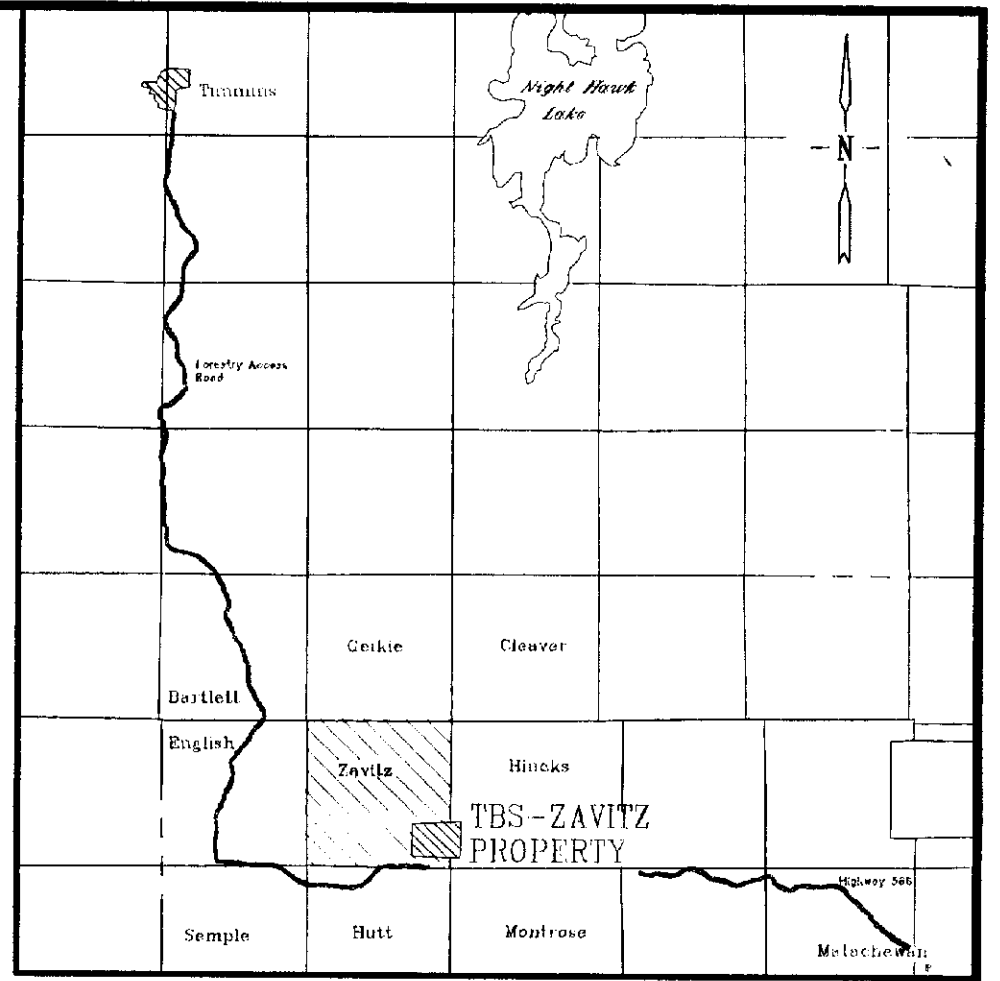
E.H. van Hees Geological Services Inc.
 TBS Resource Developers Inc.

Max-Min Survey
 Profile Map

Frequency 444 Hz
 Coil Separation 100 m

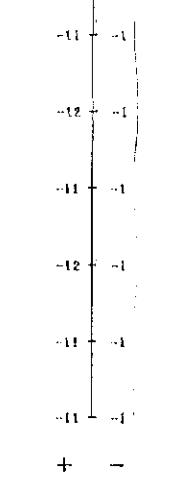
Mining Division: Porcupine	Province: Ontario
Township/Area: Zavitz	Project: TBS - Zavitz
References:	Date: June, 1989
Surveyed By: D. Pigeon	Drawn By: J. Walsley
	Checked: J. Walsley
Scale: 1:2500	





KEY

In-phase Quadrature



Profile Scale: 1 cm = 2%
 Instrument Used: Max-Min II
 Frequency: 1777 Hz
 Coil Separation: 100 metres
 Survey Date: July, 1989

E. H. van Hees Geological Services Inc.
 165 Tamarack Street
 Timmins, Ontario

J. W. Wainwright

2.12891

E.H. van Hees Geological Services Inc.

TBS Resource Developers Inc.

Max-Min Survey
 Profile Map

Frequency 1777 Hz
 Coil Separation 100 m

Mining Division: Porcupine	Province: Ontario
Township/Area: Zavelle	Project: TBS - Zavelle
References:	Date: June, 1989
Surveyed By: B. Pigeon	Drawn By: J. Wainwright
	Checked: J. Wainwright

Scale: 1 : 2500

