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PROGRESS REPORT
ON THE
RECENT MINERAL EXPLORATION PROGRAMS
ON THE
PROPERTY OF OMENICA RESOURCES LIMITED
IN
WHITNEY TOWNSHIP
ONTARIO

By
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PROGRESS REPORT ON THE RECENT MINERAL
EXPLORATION PROGRAMS ON THE PROPERTY
OF OMENICA RESOURCES LIMITED IN WHITNEY
TOWNSHIP, ONTARIO

INTRODUCTION:

This report describes the results of recent mineral exploration programs which were conducted during the month of June, 1982, over the property of Omenica Resources Limited, situated in the S $\frac{1}{2}$, Lot 4, Concession 5, Whitney Township, Ontario; the north boundary of this property lies less than 3000 feet south of the main shaft, mill, mine workings and ore deposits of Pamour Porcupine Mines Ltd., a past and present prolific producer of gold in this region of north-eastern Ontario; this Porcupine-Abitibi region has been, and continues to be, far and away the greatest gold-producing district in the Western Hemisphere.

In a previous report entitled "Report On The Property of Omenica Resources Limited in Whitney Township, Porcupine

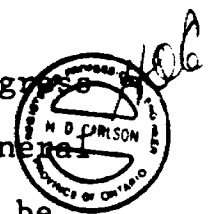


Mining Division, District of Cochrane, In The Northeastern Region of the Province of Ontario" by this present writer, dated December 4th, 1981, certain aspects and attributes of the subject property were described, including the following items:

Property, Location and Access Page 2
Topography and Pleistocene Geology Page 3
History of Exploration Page 4
Regional Geological and Geophysical
Considerations Page 5

Since these items in the above report are matters of public record, there seems to be little purpose in repeating them here.

The main items of interest in this present report are concerned with the results of the recent exploration programs on the subject property, and will be dealt with under the following headings:



- a) Survey Control Grid of the Property
- b) Magnetometer Survey of the Property
- c) Electromagnetic Survey (Vertical Loop Dual Frequency) of the Property
- d) Diamond Drilling Program on the Property
- e) Geological Survey of the Property

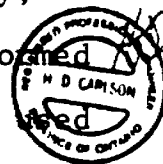
SURVEY CONTROL GRID OF THE PROPERTY

Prior to the establishment of the survey control grid, the outside boundaries of the property were re-located

and cleared of brush; survey pins for the northeast and northwest corners of the Omenica ground were found in place. A main survey control baseline was cut from the southwest corner of the property and trends N 45°E to reach the west shore of Three Nations Lake. Survey traverse lines were turned off at right angles every 200 feet along the main baseline; survey stations were set up at 100 foot intervals on the baseline and traverse lines. A total 7.54 miles of line were cut to mark the outside boundaries and establish the control grid.

MAGNETOMETER SURVEY OF THE PROPERTY

A magnetometer survey of the Omenica property, following the control grid described above, was performed during the early part of June, 1982. The instrument was a fluxgate magnetometer and the instrument operator was John Hussey of Timmins, Ontario. Main magnetic base stations were established at 17 + 42N on Line 18E (with a value of 780 gammas) and at the junction of the main baseline (0+00) and L18E (with a value of 550 gammas); subsidiary magnetic base stations were established at the junctions of the traverse lines with the main baseline. The lowest value read was 300 gammas at Sta. 16+00S on L16E, and the highest value read was 3600 gammas at Sta. 14+00N on L22E, indicating a maximum magnetic relief over the property of about 3300 gammas.



A number of interesting magnetic features were found as a result of the survey and these are described below:

a) The most prominent and probably the most significant of these features consists of a broad band of high readings which trends a little north of east across the northern part of the property; this broad band has widths of up to 1000 feet and, in its central core zone, shows magnetic relief of 1000 to 1200 gammas higher than the readings found in the central part of the property. Results of the recent drilling program indicate that this magnetic feature is caused by the presence of underlying ultra-mafic igneous eruptive rocks.

b) In the southeastern part of the property, lying just inside and parallel to its south boundary, there is a zone of high magnetic readings with a length of about 700 feet and a maximum width of about 300 feet; this zone has a maximum magnetic relief above the readings in the central part of the property of some 1500 gammas; it is possible that this zone may represent the underlying presence of sulphide iron formations.

c) Generally, in the central and southern parts of the property, the readings are in the range of 400 to 800 gammas, with the majority being in the 500 to 700 gamma figures; it is probable that these parts of the terrain are

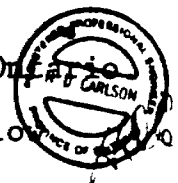
largely underlain by sedimentary rock formations.

d) In the extreme northwest corner of the property, there is a sharp drop in the value of the readings; here, there are outcrops of sedimentary rocks along the west side of Highway 101.

ELECTROMAGNETIC SURVEY OF THE PROPERTY

A dual frequency, vertical loop, electromagnetic survey of the Omenica property was performed during the early part of June, 1982, following the control grid described above. The instrument used was a McPhar SS15 with operating frequencies of 1000 cycles per second and 5000 cycles per second. The locations of the transmitter set-ups and the profiles of the receiver readings are shown on the map which accompanies this report. The instrument operators were John Hussey and Associates of Timmins, Ont.

Over most of the property the profiles are of low amplitude, little relief and no conductive zones were detected. However, in the extreme southeast corner of the Omenica ground, just inside its south boundary, one strong conductor was located, the central and western parts of which coincide with the magnetic anomaly described under Section (b) of the above Magnetometer Survey Report. This conductor has a strike length of about 1100 feet and the detailed work shows profiles of high amplitude with strong



relief for both frequencies, indicating excellent conductivity. Bedrock outcrops are known to exist a short distance to the south of this conductor and its coincident magnetic anomaly, on the adjoining property (N½, Lot 4, Conc. 4), so that it is probable that only shallow overburden conditions mask the nature of the magnetic, conductive material in the sub-surface rock formations; it is possible that this material consists of sulphide-bearing lean iron formations.

DIAMOND DRILLING PROGRAM ON THE PROPERTY

During the month of June, 1982, a drilling program was conducted on the Omenica property which consisted of five (5) closely-spaced holes, totalling 1524 feet in length located in the northwest corner of the ground. These holes were spotted to probe the vicinity of an old hole (drilled circa 1936) which was reported then to have cut a 3 foot intersection of quartz vein material which on assay yielded 0.44 oz./ton in gold. Only a rough sketch map of dubious reliability exists to mark the location of this hole, and no physical evidence of its site, such as grid remnants, casing, drill mountings, etc., survive to indicate its presence.

Hole No. 1 in the recently (1982) completed program was spotted by carefully measuring in from the survey pin at the northwest corner of the property according to the

dimensions indicated on the (circa) 1936 rough sketch map. The locations of all five holes drilled in June, 1982, are shown on the map which accompanies this report, and copies of the drill core logs are appended thereto.

All five holes (1982) intersected ultra-mafic (komatiitic) lava flows which show much talc-chlorite-carbonate alteration of varying degrees of intensity. Details of the lithology, texture, structure, mineralization, rock alteration, etc., of these formations will be dealt with under the Section "Geological Survey Of The Property". Much of the core was ground and/or washed and lost during the drilling operations.

Outlined below is a summary of the results of the drilling operations:

D.D.H. OW-1-82 - AQ - Over-all core recovery -69-70%

Assays - nil

D.D.H. OW-2-82 - AQ - Over-all core recovery -21-22%

Assays - nil

D.D.H. OW-3-82 - AQ - Over-all core recovery -59-60%

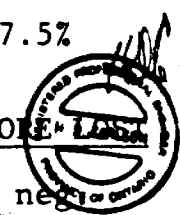
<u>FOOTAGE</u>	<u>LENGTH</u>	<u>CORE SAMPLE</u>	<u>SLUDGE SAMPLE</u>	<u>CORE LOST</u>
136'-146'	10'	nil	0.002 oz/ton	3'
176'-186'	10'	nil	0.002 oz/ton	neg.
204'-216'	12'	nil	0.005 oz/ton	6'
216'-226'	10'	nil	0.005 oz/ton	neg.

8.

<u>FOOTAGE</u>	<u>LENGTH</u>	<u>CORE SAMPLE</u>	<u>SLUDGE SAMPLE</u>	<u>CORE LOST</u>
226'-236'	10'	nil	0.002 oz/ton	2'
236'-246'	10'	nil	0.01 oz/ton	neg.
246'-256'	10'	nil	0.002 oz/ton	neg.

D.D.H. OW-4-82 - BQ - Over-all core recovery -87.5%

<u>FOOTAGE</u>	<u>LENGTH</u>	<u>CORE SAMPLE</u>	<u>SLUDGE SAMPLE</u>	<u>CORE LOST</u>
116'-126'	10'	0.002	0.04	neg.
126'-136'	10'	nil	0.02	neg.
136'-146'	10'	nil	0.002	6'
146'-156'	10'	nil	0.005	3'
156'-166'	10'	0.005	nil	1'
166'-176'	10'	nil	0.002	2.5'
176'-186'	10'	nil	0.002	4'



D.D.H. OW-5-82 - BQ - Over-all core recovery -82-83%

<u>FOOTAGE</u>	<u>LENGTH</u>	<u>CORE SAMPLE</u>	<u>SLUDGE SAMPLE</u>	<u>CORE LOST</u>
96'-106'	10'	nil	0.005	7'
106'-116'	10'	nil	0.002	5'
116'-126'	10'	nil	0.005	8.5'
146'-156'	10'	nil	0.002	1'
156'-166'	10'	0.002	0.002	3'
166'-176'	10'	nil	0.002	3'
196'-206'	10'	0.005	0.002	neg.

<u>FOOTAGE</u>	<u>LENGTH</u>	<u>CORE SAMPLE</u>	<u>SLUDGE SAMPLE</u>	<u>CORE LOST</u>
206'-216'	10'	nil	0.002	neg.
246'-256'	10'	0.002	nil	neg.
266'-276'	10'	nil	0.002	1'
316'-326'	10'	nil	0.002	5'
326'-336'	10'	nil	0.002	neg.
356'-366'	10'	nil	0.002	neg.

The recovered core from all 5 holes was split and assayed. Sludge samples were not recovered from Holes No. 1 and No. 2.

GEOLOGICAL SURVEY OF THE PROPERTY

The only bedrock outcrops known to exist for certain on the Omenica property are located in the extreme northwest corner of the property on the west side of Highway 101. Here the rocks are predominantly conglomerates (containing some granite boulders) with subordinate intercalations of greywacké; these formations strike about N70°E, face south, and dip steeply to the north at 70°-80°; they are apparently a part of the north limb of an overturned syncline, the south limb of which has been sharply truncated off by the Porcupine-Destor fault.

Bedrock outcrops have been reported to exist a short distance south of the southeast boundary of the Omenica ground; they are said to consist predominantly of greywackés in east-west trending contact with volcanic rocks to the south.



Other sources of information concerning the geology of the Omenica property are the following:

a) Old drilling - circa 1936, Lancour Mines Ltd. attempted to put down 12 drill holes on what is now the Omenica ground; only 7 of these holes reached and penetrated bedrock; the locations of these holes are shown on the rough sketch map (of dubious reliability) referred to previously, and are indicated on the map which accompanies this report; core logs of these old holes are not available to this writer, but the rough sketch map shows some sparse notes suggesting that the central part of the property is underlain by intercalated greywackes and slates, and the southeast part of the ground is underlain by intercalated soapstone, greywacke and chloritized lavas.

b) Magnetometer Survey - this has been described above; assuming that the 900 gamma contours represent the contacts between the ultra-mafic (komatiitic) lava flows with the sedimentary rock formations to the north and south, then this band of ultra-mafic rocks has a maximum width of 900 feet on the property and strikes a little north of east; these ultra-mafic rocks are believed to represent the location of the Porcupine-Destor Fault Zone across the northern part of the Omenica property.

c) Electromagnetic Survey - this has been described above, and the 1100 foot long conductor, with its coincident

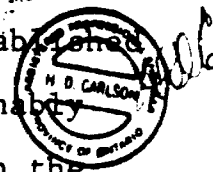


magnetic anomaly, in the southeast corner of the Omenica ground, very possibly represents a pyritic lean magnetite iron formation in the sub-surface bedrock; elsewhere in this district, some such sulphide iron formations are known to contain significant gold values.

d) Recent drilling - the locations of the first 5 holes drilled in the 1982 program on the Omenica property are shown on the map which accompanies this report; all 5 holes intersected ultra-mafic (komatiitic) lava flows and their alteration products; these lavas are massive, dense, apparently fine-grained, dark bluish-grey rocks, fairly hard and firm where fresh, but becoming softer with increasing talc-chlorite-carbonate content; spinifex texture is evident in numerous sections, but no cumulate bottoms nor polysutured tops, nor flow contacts, have as yet been recognized in them by this writer, hence the attitude that these flows are so far unknown; the fresh rock is cut by a few thin little carbonate stringers having no consistent orientation to the core axis; most of the recovered core is variably, but generally extensively altered to talc-chlorite-carbonate mixtures, with the relative proportions of these minerals differing from place to place; many sections of the core are very soft, friable and pulpy, and due to grinding and washing, recovery has not been complete; included in the alteration of the rock are silicification and accompanying

intense carbonatization in the form of veins, stringers, incipient brecciation zones, splotches, etc.; carbonates predominate over quartz and the largest vein seen was ten (10) inches long; the only sulphides seen are trace amounts of pyrite and sphalerite; magnetite is readily detected in a number of places with a hand magnet; very occasionally a very thin stringer of finely fibrous material is seen which may be chrysotile; at 136 feet in Hole No. 4, on a silicified fracture plane in relatively fresh lava, a few tiny spots of a yellow metallic mineral were seen which may be either free gold or chalcopyrite.

e) The geology of the Omenica property as inferred from aeromagnetic surveys and the extension from established data points in the surrounding district agrees reasonably well with geological and geophysical data obtained on the ground itself.



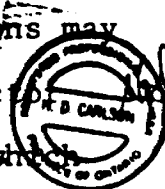
CONCLUSIONS

Recent exploration programs on the property of Omenica Resources Ltd. in Whitney Township, Ontario, have established the following features of economic interest here:

1) The Porcupine-Destor Fault Zone, with a width of at least 900 feet, trends a little north of east across the northern part of the Omenica ground.

2) Drilling within the Fault Zone itself has detected generally low, but significant gold values in komatitic lavas over substantial core lengths; sludge samples from Hole No. 4 have returned values of 0.018 oz. Au per ton over a length of 40 feet, including one return of 0.04 oz. Au per ton over a length of 10 feet; due to intense talc-chlorite-carbonate alteration of the ultra-mafic lavas, core recovery from drilling has been poor.

3) A strong electromagnetic conductor coinciding with a high magnetic anomaly has been located in the south-east corner of the property where overburden conditions may be very shallow; it is very possible that this conductor represents underlying sulphide lean iron formations which may contain significant gold values.



RECOMMENDATIONS

It is recommended that:

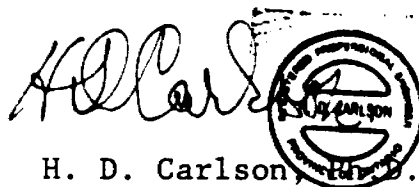
a) The full width of the Porcupine-Destor Fault Zone on the Omenica property be tested by cross-sectional diamond core drilling by NQ size drill gear; this ^s it to include adequate piercing of both north and south contacts to establish structural attitudes.

b) The depth of overburden conditions over the conductor in the southeast corner of the property be tested by use of a sounding bar.

The estimate cost of these programs is:

a) Drilling - 6000 feet of NQ @ an over-all cost of \$25.00 per foot -----	\$150,000.00
b) Overburden depth testing - 2 men for 7 days \$100.00 per man per day -----	<u>\$ 1,400.00</u>
Total	<u>\$151,400.00</u>

Respectfully submitted,



H. D. Carlson, H. D., P. Eng.
Consulting Geologist

August 1st, 1982



H. D. CARLSON, PH. D., P. ENG.
CONSULTING GEOLOGIST
110 MARTIN STREET
PORCUPINE, ONTARIO

CERTIFICATE

Concerning this report I herewith make the following statements:

1. I have received the following degrees in the geological sciences;
B. Sc. - 1949 - Queen's University
M. A. Sc. - 1950 - University of Toronto
Ph. D. - 1953 - Queen's University
2. I am a Fellow of the Geological Association of Canada, a member of the Canadian Institute of Mining and Metallurgy, and a member of the Association of Professional Engineers of Ontario, having been designated by the Council as a Consulting Engineer since 1974.
3. I am a Consulting Geologist residing at 110 Martin Street, Porcupine, Ontario.
4. I have no beneficial interest, neither direct nor indirect, in the property described in this report, nor in the securities of Omenica Resources Ltd. or any affiliate.

August 1st, 1982
Porcupine, Ontario.



H. D. Carlson
Ph. D., P. Eng.,
Consulting Geologist.



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REPORT ON THE PROPERTY

OF

OMENICA RESOURCES LIMITED

IN

WHITNEY TOWNSHIP

PORCUPINE MINING DIVISION

DISTRICT OF COCHRANE

IN

THE NORTHEASTERN REGION

OF

THE PROVINCE OF ONTARIO

By: H.D. Carlson
PH.D., P. Eng.,
Consulting Geologist



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SUMMARY

The patented property of Omenica Resources Limited in the S½, Lot 4, Concession 5, Whitney township, Ontario, is immediately adjacent on the south to the property of Pamour Porcupine Mines Ltd., a prolific past and present gold producer. The Porcupine - Destor fault zone, the most important controlling structural feature for gold disposition in this district, crosses the Omenica Resources property. Previous exploratory effects on this ground, though not extensive, were nonetheless successful in establishing the presence of gold values here. A program of exploration is recommended for this property, including geological and geophysical surveys and diamond drilling, at a total cost of \$200,000.00.

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INTRODUCTION

This report has been prepared at the request of Mr. David R. Bell, M. Sc., Consulting Geologist, Timmins, Ontario, and Angus I. MacPhail, Chairman, Continental Carlisle Douglas (members, Vancouver and Alberta Stock Exchanges), on behalf of Omenica Resources Limited, and is based on the following sources of information:

1. "Report On Bingham Properties In Whitney and Tisdale" - private report by "Charles A. Dunn " Orillia, Ontario, August 13, 1934.
2. "Preliminary Notes On The L.B. Co's Property In Porcupine" private report by Louis Whitman, Consulting Engineer, 179 Jameson Avenue and 501 Kent Building, Toronto, dated January 28, 1936.
3. "Report On Bingham Gold Properties, Whitney and Tisdale Townships, Porcupine Mining Division, Ontario" - private report by G.H. Gibbs, B.A. Sc., P. Eng., dated April, 1959.
4. "Letter addressed to Mrs. Kay Salmon, Don Mills, Ontario, from Elaine Gordon, on the letterhead of W. Griffith Bingham, Barrister etc., of Orillia, Ontario;" dated April 11, 1980.

Introduction con't

5. Map Nos. 298G (Pamour sheet) and 293G (Timmins sheet), Aeromagnetic series, published jointly by the Ontario Department of Mines and the Geological Survey of Canada, at Scale: one inch equals one mile.
6. Gold was first discovered in Whitney, Tisdale, Deloro and adjacent townships in 1908-1909, and since that time the Porcupine gold - mining camp has developed into the most prolific producer of gold in the Western Hemisphere. Over the years an extensive literature has been developed covering and describing geological, geophysical, exploration and development features of the region; it would be excessively tedious in a report of this kind to attempt to list all the contributions made over the years by all the individuals and organizations involved; a few of the individuals commonly referred to include A. G. Burroughs, M. D. Hurst, Nelson Hogg, S.A. Ferguson, and R. M. Ginn.
7. During the period 1963-67, the writer was employed as Resident Geologist for the Timmins office of the Ontario Department of Mines; in this time the writer mapped and described the geology of Shaw, Deloro and Ogden townships, which lie immediately to the south and southwest of Whitney and Tisdale townships; during this same period, and subsequently, the present writer

Introduction con't

had the opportunity to visit and examine a large number of properties, including the subject property, in the Porcupine camp. At the present time (first week of December, 1981) snow to a depth of at least six (6) inches covers the subject ground, precluding an examination for the purposes of this report.

PROPERTIES LOCATION AND ACCESS

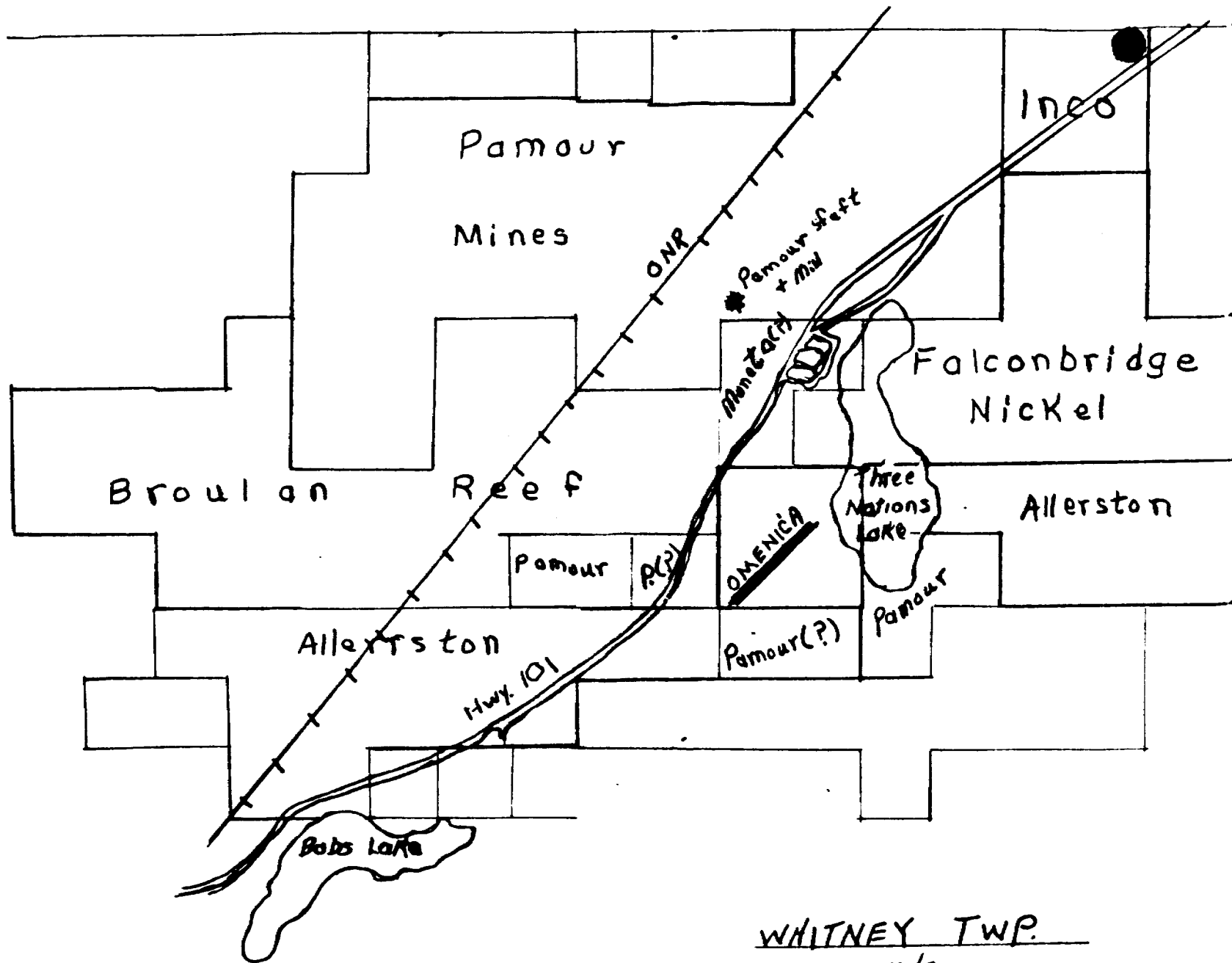
The properties which are the subjects of this report consist of the following contiguous, patented parcels of land:

A-In Whitney Township

1. Parcel 5935 - 3.19 acres - Part S $\frac{1}{2}$, Lot 4, Concession 5 - this parcel includes the surface rights and the mines, minerals and mining rights.
2. Parcel 10426 - 141.603 acres - S $\frac{1}{2}$, Lot 4, Concession 5 - the mines, minerals and mining rights and a License of Occupation from the Crown for 12 $\frac{1}{2}$ acres of Three Nations Lake lying to the east of this parcel.

Parcels 5935 and 10426 have a common boundary with the property of Pamour Porcupine Mines Ltd. on the north. Highway 101 crosses the northwest corner of the subject property.

Parcels 5935 and 10426 were apparently originally known as the "Irish Vet Lot", then subsequently the "Bingham Property".



WHITNEY TWP.

1/2 mile

TOPOGRAPHY AND PLEISTOCENE GEOLOGY

The subject properties lie approximately along the south boundary area of the "clay belt" wherein flat lying, thin-bedded, lacustrine, unconsolidated, varved clay sediments, the products of Pleistocene and Recent deposition in glacial Lake Barlow- Ojibway, effectively obscure from observation the bedrock geology of most of the Porcupine - Abitibi region of northeastern Ontario. Bedrock outcrops, though not abundant, are certainly more numerous in the northern parts of Whitney townships than in much of the terrain further to the north and northeast. Generally the topography is rather flat and featureless, with few, if any, prominent elevations; local relief probably nowhere exceeds 100 feet. Sub-surface bedrock relief appears to be similar; outcrops are reported to exist along the north boundary of the property and can be seen along Highway 101 immediately southwest of the Pamour Mine - and - residential - site. Previous drilling efforts on the subject property have shown that overburden depths up to, and probably exceeding, one hundred (100) feet can be expected.

HISTORY OF EXPLORATION

The writer has searched the files in the office of the Resident Geologist, Ontario Ministry of Natural Resources, in Timmins, and has found no record of work done on the subject property prior to the year 1928. In that year Bingham Mines Limited was formed, and this company did a small amount of stripping and trenching, mainly along the north end of the subject ground; this company then leased the property to L. B. United Mines Limited; there is no record of work done by this latter company (see File No. T-329, in the offices of the Resident Geologist, Ontario Ministry of Natural Resources, Timmins). In 1936 the property was optioned to Lancour Mines Ltd. (see OMNR File No. T-247) and this company explored the ground by means of magnetometer and resistivity geophysical surveys and twelve (12) diamond core drill holes; five (5) of these holes failed to reach their objective targets because of heavy overburden conditions and certain mechanical and geological problems. Diamond Drill Hole No. 5 put down in 1936 in the northwest section of the property cut three (3) feet of material from 150 to 153 feet (core lengths in the hole) which after sampling and assay yielded 0.44 ounces per ton in gold.

There are no records available to this writer to indicate that any further exploration work has been performed on this property since the period 1936-1938.

REGIONAL GEOLOGICAL AND GEOPHYSICAL CONSIDERATIONS

Gold deposits were first discovered in the Porcupine camp in 1909, and since that time this district has become firmly established as far and away the leading gold producer in the Western Hemisphere. At least thirty (30) separate deposits have made past and present profitable mines here. These are located in Tisdale township and the northern parts of Ogden, Deloro and Whitney townships, and are enclosed in various rock formations which are generally collectively referred to as the Tisdale Group. This collection of formations is bounded on the south by a major structure known as the Porcupine - Destor fault. To the south of this fault the various rock formations are generally collectively referred to as the Deloro Group, and they are very distinctly different in lithology, stratigraphy and structure from those of the Tisdale Group. In the past seventy (70) years not a single profitable producing gold mine has been developed in the Deloro Group of rocks!

Over the past several decades geological mapping, geophysical surveys and diamond core drilling have been successful in rather closely delineating the position and extent of the Porcupine - Destor fault eastward from Ogden township for over one hundred miles to Destor township in northwestern Quebec. Reference to the published regional geological maps (e.g., O.D.M. Map 2205, Timmins - Kirkland Lake sheet, Geological Compilation Series) will show how close is the spatial relationship of this major structural fracture to the known gold deposits of the region. Throughout its lateral extent this fault appears to be marked by intrusions and extrusions of ultra - mafic igneous rocks

Regional Geological and Geophysical Considerations con't

and their metamorphic and metasomatic derivatives (serpentinites, talc - carbonate - chlorite schists, and the like) and many of the gold deposits are very closely associated with these. In detail, the host rocks for the gold deposits include a wide and disparate range of different types, including mafic lavas, sialic lavas, pyroclastic rocks, granitic rocks, sedimentary rocks and their altered derivatives. Details of mineralogy, rock alteration, vein and lode types, minor controlling structures, etc., also show considerable diversity from one deposit to another. The over-all feature common to nearly all the gold deposits is the close spatial relationship to major fault zones and the associated ultra - mafic eruptive igneous rocks.

Geophysical methods of investigation, particularly the magnetometer, by means of both airborne and ground instrumental surveys, have proven to be very effective in locating the ultra - mafic rocks and in delineating the positions of the major fault zones.

GEOLOGY OF THE PROPERTY

Data on bedrock formations underlying the property is sketchy, to say the least, and consists of the following sources of information:

1. bedrock outcrops near its northwest corner along Highway 101 a short distance southwest of the Pamour mine - and - townsite; these rocks are conglomerates, greywackes, etc., and are believed to be of Temiskaming age;
2. bedrock outcrops are shown to occur near its southeast corner on the map of the property prepared by Lancour mines Ltd. (see O.M.N.R. file no. T - 247): these are shown to be greywackes, slates, etc., which are in contact with dacites, greenstones, etc., lying to the south;
3. the Lancour Mines map, referred to immediately above, shows the locations of seven diamond drill holes and gives very brief, sketchy, summarized geological logs, devoid of important details; three of these holes, including hole no. 5, were put down in the northwest corner of the property, and were reported to have intersected "carbonated lavas"; hole No. 5 cut 3 feet of material (from 150 feet to 153 feet) which on assay yielded 0.44 ounces in gold per ton; two of the holes were put down in the central part of the

Geology of the Property con't

3. property, and these were reported to have intersected greywackes and slates; the remaining two holes were put down in the south - central and southeast parts of the property and were reported to have intersected inter-banded greywackes, soapstone and chloritized lavas.

Since the subject property is immediately bounded on the north by the property of Pamour Porcupine Mines Limited, an important gold producer in this district, it is appropriate here to briefly review the main features of its geology, (see Pamour Mine in Structural Geology of Canadian Ore Deposits, pp. 558-565, C.I.M.M. Jubilee Volume, 1948).

The Pamour property covers a length of about 11,000 feet of the Archean (Tisdale Group) Keewatin - Temiskaming unconformable contact; the Keewatin rocks include dacite flows and tuffs, highly altered talcose and chloritic horizons, and masses of coarse - grained carbonate rocks; the Temiskaming rocks, which unconformably overlie the Keewatin, include agglomerate, greywacke, conglomerate, slates and arkoses; both flow rocks and sediments face south, dip 40° to 80° N, and form the north limb of an overturned syncline, the south limb of which has been cut off by the main Porcupine - Destor fault zone. Diabase dikes of probable Matachewan age trend north - south across the property.

Geology of the Property con't

Ore bodies have been found in most of the principal rock types and are of two main types:

1. fractured and shattered zones characterized by closely spaced quartz veins and veinlets that have a general strike of N. 20° - 45° E and dips of 10° to 70° S.E.;

2. Quartz veins of more or less tabular habit which strike generally N70°E and dip nearly vertically;

Pyrite is the predominant sulphide and visible gold is wide-spread; all rocks are bleached and altered in the ore zones with the main types of alteration being silicification, chloritization, sericitization and carbonatization.

The Porcupine - Destor fault at the surface crosses only the most southerly claims of the Pamour property; it is a highly sheared, talcose, chloritic carbonatized zone at least 200 feet wide, strikes generally east - northeast and dips 65° N.

Reference to Aeromagnetic Map 298G (Pamour sheet) will show that a pronounced magnetic high zone trends east -northeast across the subject Omenica Resources Ltd. property; it is this writer's opinion that this magnetic high zone marks the course of the Porcupine-Destor fault zone in this area.

CONCLUSIONS

1. The property of Omenica Resources Limited in Whitney township, Ontario, is immediately adjacent on the south to the property of Pamour Porcupine Mines Ltd., a prolific past and present producer of gold in this district.
2. The Porcupine - Destor fault zone, the major controlling structural feature for gold ore deposition in this region, crosses the northern part of the Omenica property.
3. Past exploration efforts on the Omenica Resources ground, though relatively scanty and certainly inconclusive, were at least successful in demonstrating the existence of gold deposition here.
4. The subject Omenica property merits a systematic and comprehensive exploration program in the search for gold, to include control grids, geophysical surveys, geological survey and diamond core drilling

RECOMMENDATIONS

It is recommended that the following program of exploration work be conducted on the Omenica property:

Phase I

- a) The establishment of a permanent control grid of cut picket lines to guide geophysical and geological survey work:
- b) the conducting of magnetometer, vertical-loop, dual-frequency, electromagnetic, and geological surveys over the ground:

Recommendations - Phase I con't

c) an initial program of diamond core drilling to test geophysical targets and geological concepts developed as the result of the survey work:

Phase II

d) a secondary program of diamond core drilling to develop the potentialities of any encouraging results obtained in Phase I.

Estimated Costs

a) Control grid - 10 line/miles @ \$500/ mile	\$ 5,000.00
b) Geological survey	2,000.00
Magnetometer survey	2,500.00
Electromagnetic survey	3,000.00
c) Initial drilling - 3,500' @ \$25.00/ft.	<u>87,500.00</u>
Phase I total	<u>100,000.00</u>
d) Secondary drilling-4,000' @ \$25.00/ft.	<u>100,000.00</u>
Phase II total	<u>100,000.00</u>
Total Phase I and II	<u><u>200,000.00</u></u>

Porcupine, Ontario
December 4, 1981.

Respectfully submitted: H.D. Carlson
Ph.D., P. Eng.
Consulting Geologist.

H. D. CARLSON,
PH. D., P. ENG.
CONSULTING GEOLOGIST
110 MARTIN STREET
PORCUPINE, ONTARIO. P0N 1C0

C E R T I F I C A T E

Concerning this report I herewith make the following statements:

1. I have received the following degrees in the geological sciences:

B.Sc. - 1949 - Queen's University

M.A. Sc. - 1950 - University of Toronto

Ph. D. - 1953 - Queen's University

2. I am a Fellow of the Geological Association of Canada, a member of the Canadian Institute of Mining and Metallurgy, and a member of the Association of Professional Engineers of the Province of Ontario, having been designated by the Council as a Consulting Engineer since 1974.

3. I am a Consulting Geologist residing at 110 Martin Street, Porcupine, Ontario.

4. I have no beneficial interest, neither direct nor indirect, in the property described in this report, nor in the securities of Omenica Resources Limited, nor any affiliate.

December 1981
Porcupine, Ontario.

H.D. Carlson, PH. D., P. Eng.
Consulting Geologist.

DIAMOND DRILL RECORD

Hole No. DW-1-82 Sheet No. 2

Property America Resources Ltd.
 Location S 1/2, lot 4, loc. 5
Whitney trap
 Latitude 13+10 N
 Departure 21+60 E
 Bearing S 45° E

Collar Dip -50°
-356 -50°
 Total Footage 356'

Elev. Collar _____
 Datum _____
 Date Started June 1/82
 Date Completed June 3/82
 Drilled by Dominik Drilling (1981) Inc.
 Logged by HR Carlson

Core stored at Timmins Warehousing & Storage, Stall #8.

Footage		AQ Core	Formation	Sample Number	Sample Footage	Sample Width	Gold Sample	Gold Sludge	Remarks
From	To								
0.0'	111.0'	Casing		21901	111' - 128'	17'	nil	N/A	
111.0'	356.0'	Originally a series of ultra-mafic lava flows (komatiites); where least altered are dark bluish-grey in colour, massive, dense, fine-grained (apparently); spiniferous texture is evident in a number of sections; however, most of the recovered core is variably, but generally extremely altered to talc-chlorite-carbonate mixtures, with the relative proportions of these minerals differing from place to place; it is not clear at present, which parts of the various komatiite flows represent flow tops or flow		902	128' - 136'	8'	"	"	
				3	136' - 143'	7'	"	"	
				4	143' - 156'	13'	"	"	
				5	156' - 176'	20'	"	"	
				6	176' - 196'	20'	"	"	<u>Note: more than 90%</u>
				7	241' - 249'	8'	"	"	<u>of the core ground and/or washed, this lost during drilling.</u>
				8	249' - 256'	7'	"	"	
				9	256' - 266'	10'	"	"	
				10	266' - 276'	10'	"	"	
				11	276' - 286'	10'	"	"	
				12	286' - 296'	10'	"	"	
				13	296' - 306'	10'	"	"	

DIAMOND DRILL RECORD

Hole No. OW-1-8R Sheet No. R

Property Omeneca Resources Ltd.
 Location _____
 Latitude _____
 Departure _____
 Bearing _____

Dip

 Total Footage _____

Elev. Collar _____
 Datum _____
 Date Started _____
 Date Completed _____
 Drilled by _____
 Logged by _____

Footage		Formation	Sample Number	Sample Footage	Sample Width	Gold Sample	Gold Sludge	Remarks
From	To							
		Bottoms, nor what the attitudes (i.e. strikes & dips) of these flows are, (e.g., whether poly-sutured tops or cumulative bottoms, are represented by brecciated, altered zones, or not); many sections of the core are friable and pulvery, and due to grinding and washing, recovery has not been complete as follows: 118'-126' - 14' core ground or washed, & lost. 128'-136' - 3' " " " " " " 148'-156' - 8' " " " " " " 156'-166' - 9' " " " " " " 166'-186' - 11' " " " " " "	21982	196'-206'	10'	Nil	N/A	
			3	206'-216'	10'	"	"	
			4	216'-226'	10'	"	"	
			5	226'-236'	10'	"	"	
			6	236'-241'	5'	"	"	
			7	306'-316'	10'	"	"	
			8	316'-326'	10'	"	"	
			9	326'-336'	10'	"	"	
			21990	336'-346'	10'	"	"	
			1	346'-356'	10'	"	"	

DIAMOND DRILL RECORD

Hole No. DW-1-PR Sheet No. 3

Property Ormerica Resources Ltd. (Ctd.)
 Location
 Latitude
 Departure
 Bearing
 Dip
 Total Footage

Elev. Collar
 Datum
 Date Started
 Date Completed
 Drilled by
 Logged by

Footage		Formation	Sample Number	Sample Footage	Sample Width	Gold Sample	Gold Sludge	Remarks
From	To							
		186' - 196' - 9' core ground or washed + lost						
		196' - 206' - 3' " " " " "						
		206' - 226' - 2' " " " " "						
		226' - 246' - 2' " " " " "						
		246' - 266' - 5' " " " " "						
		266' - 286' - 2' " " " " "						
		286' - 306' - 2' " " " " "						
		306' - 316' - 1' " " " " "						
		316' - 326' - 1' " " " " "						
		326' - 336' - 4' " " " " "						
<p>Discovered in the ash core of the rock the disseminated and accompanying intense carbonation in the form of veins, stringers, irregular blebs, nodules, patches, etc., at the following</p>								

Date of Examination

DIAMOND DRILL RECORD

Hole No. *OW-1-82* Sheet No. *4*

Property *América Resources Ltd. (Ctd.)*
 Location
 Latitude
 Departure
 Bearing

Dip

 Total Footage.....

Elev. Collar
 Datum
 Date Started
 Date Completed
 Drilled by
 Logged by

Footage		Formation	Sample Number	Sample Footage	Sample Width	Gold Sample	Gold Sludge	Remarks
From	To							
		<i>Locations:</i>						
		<i>Δ 140'-1" quartz vein; 136'-146' minor (<2%) quartz-carbonate spots, blobs, stringers, etc.</i>						
		<i>Δ 219', 242', 247' - 1/2" to 1" carbonate-quartz stringers.</i>						
		<i>Δ 250' - 2" of 50% qty. - carb. blotches & blobs. 251' - 1" of 25% qty.</i>						
		<i>Δ 252' - 1" quartz-carbonate vein.</i>						
		<i>Δ 255'-256' - ≈ 30% qty. - carb. blotches, veins, etc.</i>						
		<i>Δ 257' - 2" qty. - carb. vein.</i>						
		<i>Δ 261'-262' - 1/4" qty. - carb. vein.</i>						
		<i>Δ 283' - 18" of ≈ 25% qty. carb. blotches, veins, etc.</i>						
		<i>Δ ≈ 302' - 1" quartz vein.</i>						
		<i>Only sulphides seen are trace amounts of fine-grained pyrite and spicrite (e.g. 284')</i>						

Date of Examination

DIAMOND DRILL RECORD

Hole No. OW-2-82 Sheet No. 1

Property America Resources Ltd.
 Location S 1/2, Lot 4, Core V.
Whitney trap.
 Latitude 13+60N
 Departure 21+10E
 Bearing S 45° E

-50° Dip

Total Footage 250'

Elev. Collar _____
 Datum _____
 Date Started June 4/82
 Date Completed June 5/82
 Drilled by Dominic DeFilling (1981) Inc.
 Logged by A. Larish

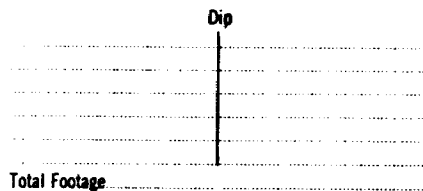
Core stored at Timmins Warehousing & Storage, Stall #8.

Footage		AQ Core	Formation	Sample Number	Sample Footage	Sample Width	Gold Sample	Gold Sludge	Remarks
From	To								
0.0	92.0'	Casing		21914	92'-116'	24'	Nil	N/A	
92.0'	250.0'	Massive, fine-grained, dense, bluish-grey ultra-mafic rock, similar to the un- altered ultra-mafic rock in hole #1.		21974	116'-126'	10'	"	"	Note: more than 78% of the core ground and/or washed during drilling.
		Alteration is also similar to that in hole #1, i.e., mainly to various mixtures of talc-chlorite-carbonate; however, it appears that ^{not} most of these alteration products have been ground and/or washed out of the core during drilling.		5	126'-146'	20'	"	"	
				6	146'-156'	10'	"	"	
				7	156'-216'	60'	"	"	
				8	216'-226'	10'	"	"	
				9	226'-236'	10'	"	"	
				80	236'-246'	10'	"	"	
					1	246'-250'	4'	"	"
		Record of lost core as follows:							
		92'-96' - 4' of core ground, or washed, and lost.							
		96'-106' - 8' " " " " " " " "							
		106'-116' - 8' " " " " " " " "							

DIAMOND DRILL RECORD

Hole No. OW-R-8R Sheet No. R

Property Omnia Resources Ltd.
 Location
 Latitude
 Departure
 Bearing



Elev. Collar
 Datum
 Date Started
 Date Completed
 Drilled by
 Logged by

Footage		Formation	Sample Number	Sample Footage	Sample Width	Gold Sample	Gold Sludge	Remarks
From	To							
		116'-126'-8' of core ground, or washed, and lost.						
		126'-136'-6' " " " " " "						
		136'-146'-8' " " " " " "						
		146'-156'-5' " " " " " "						
		156'-166'-8' " " " " " "						
		166'-176'-9' " " " " " "						
		176'-186'-8' " " " " " "						
		186'-196'-9' " " " " " "						
		196'-206'-8' " " " " " "						
		206'-216'-8' " " " " " "						
		216'-226'-5' " " " " " "						
		226'-236'-6' " " " " " "						
		236'-246'-5' " " " " " "						
		246'-256'-1' " " " " " "						

Date of Examination

DIAMOND DRILL RECORD

Hole No. OW-3-82 Sheet No. 1

Property America Resources Ltd.
 Location S 1/2, Lot 4, Conc. 5
Whitney Twp.
 Latitude 53° 55' N
 Departure 20° 30' E
 Bearing S 45° E

- 50° Dip Collar

Elev. Collar _____
 Datum _____
 Date Started June 7/82
 Date Completed June 8/82
 Drilled by Dominik Drilling (1981) Inc.
 Logged by K. Carlson

Total Footage 256' (AQ)

Core stored at Timmins Warehousing & Storage, Stall #8.

Footage		AQ Core	Formation	Sample Number	Sample Footage	Sample Width	Gold Sample	Gold Sludge	Remarks
From	To								
0.0	100.0'	Collar		21960	100'-136'	36'	Nil	Nil	
100.0	256.0'	Mottled, fine-grained, dense, bluish-grey, ultra-mafic rock, similar to the unaltered ultra-mafic rock in holes #1 and #2. Alteration also is similar to that in holes #1 and #2 (i.e., mainly talc-chlorite-carbonate), but it appears that much of the altered rock has been ground and/or washed out of the core during drilling. Record of last core as follows:		1	136'-146'	10'	"	0.002	
				2	146'-156'	10'	"	Nil	
				3	156'-166'	10'	"	Nil	
				4	166'-176'	10'	"	Nil	
				5	176'-180'	4'	"	0.002	Note: more than 40% of the core ground and/or washed, thus lost during drilling.
				6	180'-186'	6'	"	Nil	
				7	186'-194'	8'	"	Nil	
				8	194'-204'	10'	"	0.005	
				9	204'-216'	12'	"	0.005	
				10	216'-226'	10'	"	0.002	
				11	226'-236'	10'	"	0.01	
				12	236'-246'	10'	"	0.002	
				13	246'-256'	10'	"	0.002	

Date of Examination _____

DIAMOND DRILL RECORD

Hole No. OW-3-82 Sheet No. 2

Property America Resources Ltd.
 Location

Latitude
 Departure
 Bearing

Dip

Total Footage

Elev. Collar
 Datum
 Date Started
 Date Completed
 Drilled by
 Logged by

Footage		Formation	Sample Number	Sample Footage	Sample Width	Gold Sample	Gold Sludge	Remarks
From	To							
	116'-126'-8'	2' core ground or washed and lost						
	126'-136'-5.5'	" " " " "						
	136'-146'-3'	" " " " "						
	146'-156'-4.5'	" " " " "						
	156'-166'-5.0'	" " " " "						
	166'-176'-5.5'	" " " " "						
	176'-186'-5'	" " " " "						
	186'-194'-5'	" " " " "						
	194'-204'-5'	" " " " "						
	204'-207'-2'	" " " " "						
	207'-216'-4'	" " " " "						
	226'-236'-2'	" " " " "						
	Note: 6" quartz-carbonate vein at 126'							
	1" " " " vein at 106'							
	157', 158', 159', 235'							

Date of Examination

DIAMOND DRILL RECORD

Hole No. OW-4-82 Sheet No. 1

Property *Omnia Resources Ltd.*
 Location *5 1/2, Lot 4, Conc. 5*
Whitney Twp.
 Latitude *13+55 N*
 Departure *20+10 E*
 Bearing *S 45° E*

-50° Dip Collar

Elev. Collar
 Datum
 Date Started *June 8/82*
 Date Completed *June 9/82*
 Drilled by *Domink Drilling (1981) Inc.*
 Logged by *AD Carlson*

Total Footage *256' (BQ)*

Core stored at Timmins Warehousing & Storage, Stall #8

Footage		BQ Core	Formation	Sample Number	Sample Footage	Sample Width	Gold Sample	Gold Sludge	Remarks
From	To								
0.0	110.0'	Casing		21945	110'-116'	6'	Nil	Nil	
110.0'	131.0'	Massive, dense, fine-grained, brownish-grey ultra-mafic rock. Very fine thin little carbonate stringers, otherwise fresh.		6	116'-126'	10'	0.002	0.04	
				7	126'-136'	10'	Nil	0.02	
				8	136'-146'	10'	"	0.002	
				9	146'-156'	10'	"	0.005	
131.0'	135.7'	Incipient brecciation and talc-chlorite-carbonate alteration, variable in intensity.		50	156'-166'	10'	0.005	Nil	
				1	166'-176'	10'	Nil	0.002	
				2	176'-186'	10'	"	0.002	
135.7'	137.7'	Similar to section 110.0'-131.0'.		3	186'-196'	10'	"	Nil	Note: possible V.G.
137.7'	154.0'	Similar to section 131.0'-135.7', but brecciation and alteration more intense.		4	196'-206'	10'	"	Nil	@ 136'
				5	206'-216'	10'	"	Nil	
154.0'	196.0'	Alternating short sections (none more than ~ 18" long) of two types above.		6	216'-226'	10'	"	Nil	
				7	226'-236'	10'	"	Nil	
196.0'	210.0'	Mainly similar to section 110.0'-131.0'.		8	236'-246'	10'	"	0.002	

Date of Examination

DIAMOND DRILL RECORD

Hole No. OW-4-82 Sheet No. 2

Property Omnia Resources Ltd.
 Location

Dip

Elev. Collar

Datum

Date Started

Date Completed

Drilled by

Logged by

Latitude

Departure

Bearing

Total Footage

Footage		Formation	Sample Number	Sample Footage	Sample Width	Gold Sample	Gold Sludge	Remarks
From	To							
		with few short sections (<6") similar to section 131.0'-135.7'	21959	246'-256'	10'	Nil	0.002	
210.0'	236.0'	Similar to section 131.0'-135.7'						
236.0'	246.0'	Somewhat similar to section 110.0'-131.0', in that the rock is massive and shows negligible brecciation and talcose alteration; however, shows considerably more carbonate-quartz alteration in the form of stringers, splashes, etc.						
246.0'	256.0'	Similar to section 236.0'-246.0', but less carbonate-quartz alteration; 6" carbonate vein at 251'						

Date of Examination

DIAMOND DRILL RECORD

Hole No. OW-5-8R Sheet No. 1

Property America Resources Ltd.
 Location S 1/2, Lot 4, Conc. 5
Whitney Twp.
 Latitude 13°10'N
 Departure 22°10'E
 Bearing S 45° E

-50° Dip Collar
 -55° 406'
 Total Footage 406' (BQ)

Elev. Collar _____
 Datum _____
 Date Started June 9/82
 Date Completed June 10/82
 Drilled by Dominik Drilling (1981) Inc.
 Logged by ADL Carlock

Core stored at Timmins Warehousing & Storage, Stall #8

Footage		BQ Core	Formation	Sample Number	Sample Footage	Sample Width	Gold Sample	Gold Sludge	Remarks
From	To								
0.0	80.0'	Casing		21915	80'-106'	26'	Nil	0.005	(96.0'-106.0')
80.0'	406.0'	Two main rock units as follows:		6	106'-126'	20'	"	0.002	(106.0'-116.0')
		(a) Massive, dense, fine-grained, bluish-grey ultra-mafic rock, with only very minor alterations with form of the carbonate-quartz stringers		7	126'-136'	10'	"	Nil	
				8	136'-146'	10'	"	"	
				9	146'-156'	10'	"	0.002	
				21920	156'-166'	10'	0.002	0.002	
		(b) Brecciated, broken, talc-illite-carbonate rock, containing more abundant and larger carbonate-quartz stringers, veinlets and irregular blotches, seams, patches, etc.		1	166'-176'	10'	Nil	0.002	
				2	176'-186'	10'	"	"	
				3	186'-196'	10'	"	"	
				4	196'-206'	10'	0.005	0.002	
				5	206'-216'	10'	Nil	0.002	
		Assuming that the ground and/or washed core is mostly from the (b) unit, the distribution of the two units is as		6	216'-226'	10'	"	"	
				7	226'-236'	10'	"	"	
				8	236'-246'	10'	"	"	

Date of Examination _____

DIAMOND DRILL RECORD

Hole No. OW-5-82 Sheet No. R

Property Location America Resources Ltd.
 Latitude _____
 Departure _____
 Bearing _____

Dip _____

 Total Footage _____

Elev. Collar _____
 Datum _____
 Date Started _____
 Date Completed _____
 Drilled by _____
 Logged by _____

Footage		Formation	Sample Number	Sample Footage	Sample Width	Gold Sample	Gold Sludge	Remarks
From	To							
		<i>Follows:</i>	2192	246'-256'	10'	0.002	Nil	
		80.0' - 185.0' - 50% (a) - 50% (b)	30	256' - 266'	10'	Nil	"	
		185.0' - 236.0' - 90% (a) - 10% (b)	1	266' - 276'	10'	"	0.002	
		236.0' - 261.0' - 80% (a) - 20% (b)	2	276' - 286'	10'	"	"	
		261.0' - 306.0' - 90% (a) - 10% (b)	3	286' - 296'	10'	"	"	
		306.0' - 334.0' - 60% (a) - 40% (b)	4	296' - 306'	10'	"	"	
		334.0' - 342.0' - 90% (a) - 10% (b)	5	306' - 316'	10'	"	"	
		342.0' - 350.0' - 50% (a) - 50% (b)	6	316' - 326'	10'	"	0.002	
		350.0' - 406.0' - 80% (a) - 20% (b)	7	326' - 336'	10'	"	0.002	
		<i>Record of last core:</i>	8	336' - 346'	10'	"	"	
		80.0' - 86.0' - 3' of core ground or washed and lost	9	346' - 356'	10'	"	"	
		86.0' - 96.0' - 7' " " " " " " " " " "	40	356' - 366'	10'	"	0.002	
		96.0' - 106.0' - 7' " " " " " " " " " "	1	366' - 376'	10'	"	"	
		106.0' - 116.0' - 5' " " " " " " " " " "	2	376' - 386'	10'	"	"	

Date of Examination _____

DIAMOND DRILL RECORD

Hole No. OW-5-82 Sheet No. 3

Property America Resources Ltd.
Location

Latitude
Departure
Bearing

Dip

Total Footage

Elev. Collar
Datum
Date Started
Date Completed
Drilled by
Logged by

Footage		Formation	Sample Number	Sample Footage	Sample Width	Gold Sample	Gold Sludge	Remarks
From	To							
		116.0' - 126.0' - 8.5' of core ground or washed and lost	21743	386' - 396'	10'	Nil	Nil	
		126.0' - 136.0' - 5' " " " " " "	4	396' - 406'	10'	"	"	
		136.0' - 146.0' - 5' " " " " " "						
		146.0' - 156.0' - 1' " " " " " "						
		156.0' - 166.0' - 2.5' " " " " " "						
		166.0' - 166.0' - 0.5' " " " " " "						
		166.0' - 173.0' - 3' " " " " " "						
		178.0' - 185.0' - 2.5' " " " " " "						
		266.0' - 276.0' - 1' " " " " " "						
		316.0' - 326.0' - 5' " " " " " "						

Note: more than 17% of the core ground, and/or washed, thus lost during drilling.

Date of Examination

David S. Robertson & Associates

S.E.
8+00N

10+00N

12+00N

14+00N

N.W.

OW-1-82

Overburden

356'

oz/ft Au

Talc-chlorite
-carbonate
rock



OMENICA RESOURCES LTD.

BINGHAM GROUP

WHITNEY TOWNSHIP, ONTARIO

DDH OW-1-82

David S. Robertson & Associates

S.E.
8+00N

10+00N

12+00N

14+00N
N.W.

OW-2-82

Overburden

250'

oz/Au

Talc-chlorite
-carbonate
rock



OMENICA RESOURCES LTD.

BINGHAM GROUP

WHITNEY TOWNSHIP, ONTARIO

DDH OW-2-82

David S. Robertson & Associates

S.E.
8+00N

10+00N

12+00N

14+00N
N.W.

OW-3-82

Overburden

256'

oz/t Au

Talc-chlorite
-carbonate
rock



OMENICA RESOURCES LTD.
BINGHAM GROUP
WHITNEY TOWNSHIP, ONTARIO
DDH OW-3-82

David S. Robertson & Associates

S.E. 8+00N

10+00N

12+00N

14+00N N.W.

OW-4-82

Overburden

256'

02/t Au

0.002

0.005

Talc-chlorite
-carbonate
rock



OMENICA RESOURCES LTD.
BINGHAM GROUP
WHITNEY TOWNSHIP, ONTARIO
DDH OW-4-82

David S. Robertson & Associates

S.E.
8+00N

10+00N

12+00N

14+00N
N.W.

OW-5-82

Overburden

406'

Talc-chlorite
-carbonate
rock

0 100 200 300
FEET

OMENICA RESOURCES LTD.

BINGHAM GROUP

WHITNEY TOWNSHIP, ONTARIO

DDH OW-5-82



SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0

TELEPHONE: (705) 642-3244

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

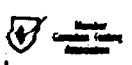
Certificate No. 53576 Date: July 12 1982

Received June 30 1982 16 Samples of Split core

Submitted by Omenica Resources Ltd., c/o Dr. H. D. Carlson, Porcupine, Ontario

SAMPLE NO.	GOLD Oz./ton
21976	Nil
21977	Nil
21978	Nil
21979	Nil
21980	Nil
21981	Nil
21982	Nil
21983	Nil
21984	Nil
21985	Nil
21986	Nil
21987	Nil
21988	Nil
21989	Nil
21990	Nil
21991 & 21992	Nil * Note: 2 tags in one samples bag.

Per G. Lebel
G. Lebel - Manager





SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0

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ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 53567

Date: July 6 1982

Received June 28 1982 26 Samples of split core

Submitted by Omenica Resources Ltd., c/o Dr. H. D. Carlson, Porcupine, Ontario

SAMPLE NO.	GOLD Oz./ton	SAMPLE NO.	GOLD Oz./ton
21950	0.005	21968	Nil
21951	Nil	21969	Nil
21952	Nil	21970	Nil
21953	Nil	21971	Nil
21954	Nil	21972	Nil
21955	Nil	21973	Nil
21956	Nil	21974	Nil
21957	Nil	21975	Nil
21958	Nil		
21959	Nil		
21960	Nil		
21961	Nil		
21962	Nil		
21963	Nil		
21964	Nil		
21965	Nil		
21966	Nil		
21967	Nil		

Per G. Lebel
G. Lebel - Manager

ESTABLISHED 1928



SWASTIKA LABORATORIES LIMITED

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ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 53556

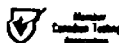
Date: July 5 1982

Received June 29 1982 38 Samples of split core

Submitted by Omenica Resources Ltd., c/o Dr. H. D. Carlson, Porcupine, Ontario

SAMPLE NO.	GOLD Oz./ton	SAMPLE NO.	GOLD Oz./ton
21912	Nil	21932	Nil
21913	Nil	21933	Nil
21914	Nil	21934	Nil
21915	Nil	21935	Nil
21916	Nil	21936	Nil
21917	Nil	21937	Nil
21918	Nil	21938	Nil
21919	Nil	21939	Nil
21920	0.002	21940	Nil
21921	Nil	21941	Nil
21922	Nil	21942	Nil
21923	Nil	21943	Nil
21924	0.005	21944	Nil
21925	Nil	21945	Nil
21926	Nil	21946	0.002
21927	Nil	21947	Nil
21928	Nil	21948	Nil
21929	0.002	21949	Nil
21930	Nil		
21931	Nil		

Per G. Lebel
G. Lebel - Manager





SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0
TELEPHONE: (705) 642-3244
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 53466 Date: June 25 1982

Received June 14 1982 36 Samples of D.D. Sludge, and split core

Submitted by Omenica Resources Ltd., c/o Dr. H.D. Carlson, Porcupine, Ontario

SAMPLE NO.	GOLD Oz./ton	SAMPLE NO.	GOLD Oz./ton
<u>Hole #5</u>			
86 - 96'	Nil	286 - 296'	Nil
96 - 106	0.005	296 - 306	Nil
106 - 116	0.002	306 - 316	Nil
116 - 126	0.005	316 - 326	0.002
126 - 136	Nil	326 - 336	0.002
136 - 146	Nil	336 - 346	Nil
146 - 156	0.002	346 - 356	Nil
156 - 166	0.002	356 - 366	0.002
166 - 176	0.002	366 - 376	Nil
176 - 186	Nil	376 - 386	Nil
186 - 196	Nil	386 - 396	Nil
196 - 206	0.002	396 - 406	Nil
206 - 216	0.002	21908	Nil
216 - 226	Nil	21909	Nil
226 - 236	Nil	21910	Nil
236 - 246	Nil	21911	Nil
246 - 256	Nil		
256 - 266	Nil		
266 - 276	0.002		
276 - 286	Nil		

Per 
G. Lebel - Manager





SWASTIKA LABORATORIES LIMITED

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ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 53460

Date: June 23, 1982

Received June 10, 1982 31 Samples of D. D. Sludges

Submitted by Omenica Resources Ltd., Porcupine, Ontario

	SAMPLE NO.	GOLD oz/ton
<u>Hole #3</u>	100-106'	Nil
	106-116'	Nil
	116-126'	Nil
	126-136'	Nil
	136-146'	0.002
	146-154'	Nil
	154-165'	Nil
	165-175'	Nil
	176-186'	0.002
	186-195'	Nil
	196-206'	Nil
	206-216'	0.005
	216-226'	0.005
	226-236'	0.002
	236-246'	0.01
246-256'	0.002	
<u>Hole #4</u>	110-116'	Nil
	116-125'	0.04
	126-136'	0.02
	136-146'	0.002
	146-156'	0.005
	156-166'	Nil
	166-176'	0.002
	176-186'	0.002
	186-196'	Nil
	196-206'	Nil
	206-216'	Nil
	216-226'	Nil
	226-236'	Nil
	236-246'	0.002
	246-256'	0.002

Per G. Lebel
G. Lebel, Manager



SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0

TELEPHONE: (705) 642-3244

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 53448

Date: June 22 1982

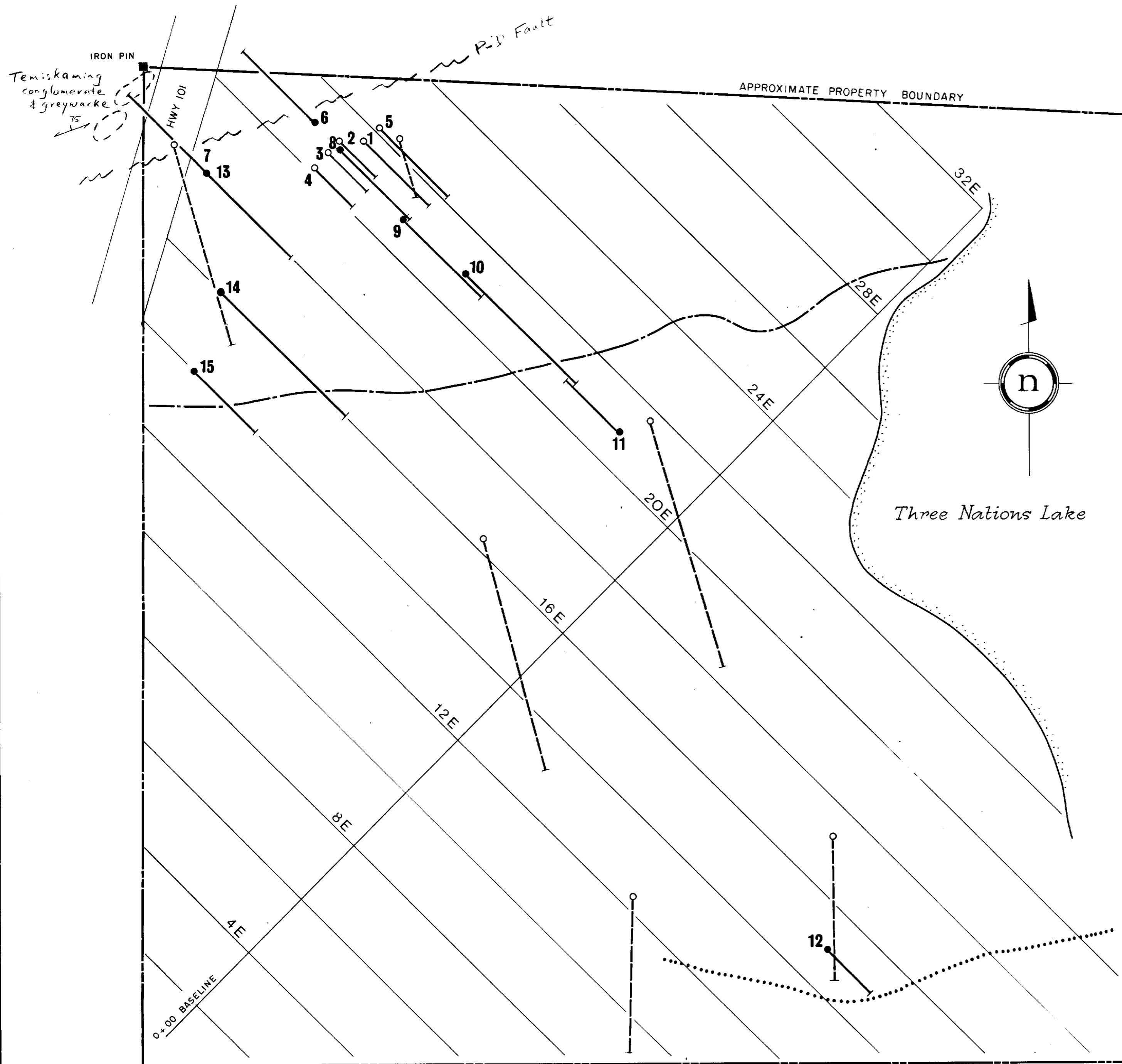
Received June 10/82 7 Samples of split core

Submitted by Omenica Resources Ltd., c/o Dr. H.D. Carlson, Porcupine, Ontario

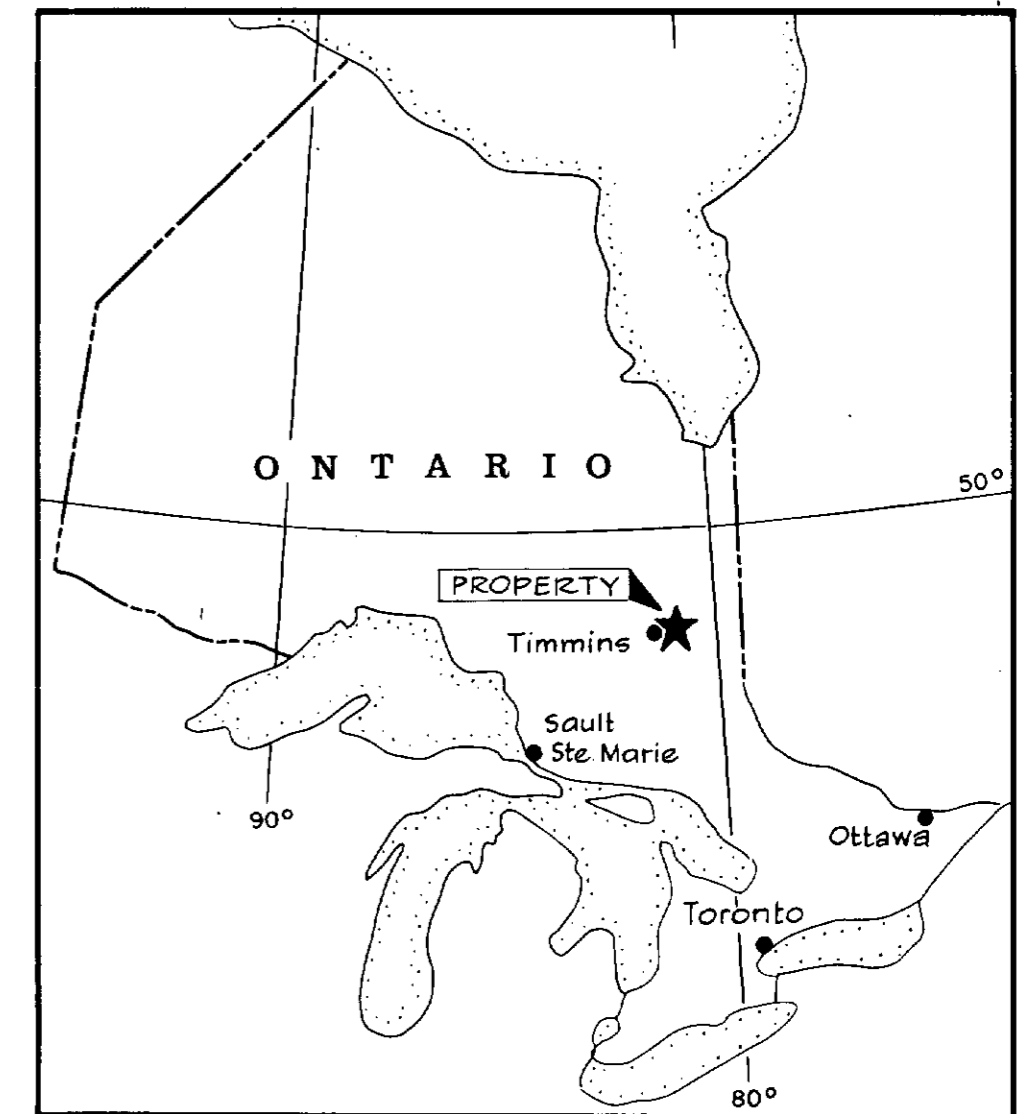
SAMPLE NO.	GOLD Oz./ton
21901	Nil
21902	Nil
21903	Nil
21904	Nil
21905	Nil
21906	Nil
21907	Nil

Per 
G. Lebel - Manager

ESTABLISHED 1928

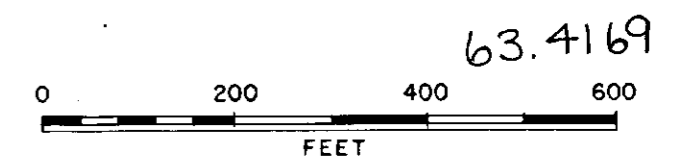


LOCATION MAP



LEGEND

- Contact inferred by magnetometer survey and diamond drilling between talc-chlorite-carbonate rock (to north) and greywacke and related rocks (to south)
- Vertical loop electromagnetic conductor axis
- Approximate location of old diamond drill hole (circa 1936)
- 2**--- Omenica diamond drill holes (June 1982)
- 9**--- Omenica diamond drill holes (Aug.-Sept. 1982)



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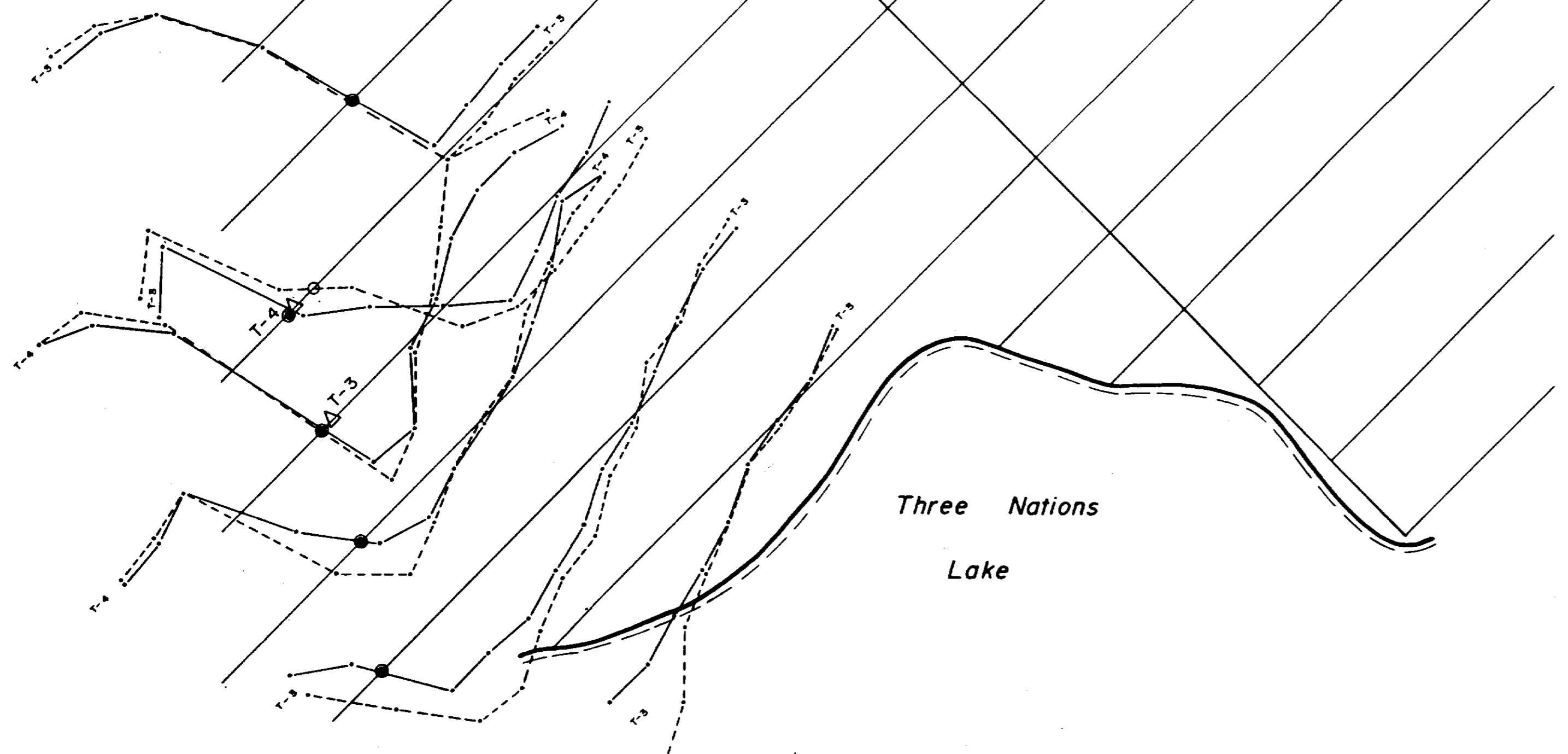
DRILL HOLE LOCATION MAP

SEPT. 1982



42A06NE0138 63.4169 WHITNEY

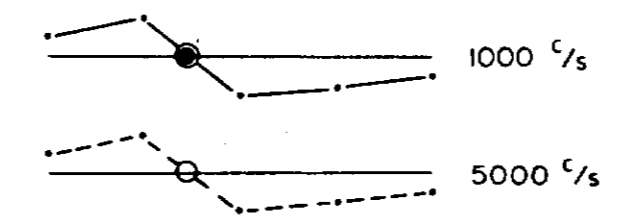
0+00 Base Line
 2 E
 4 E
 6 E
 8 E
 10 E
 12 E
 14 E
 16 E
 18 E
 20 E
 22 E
 24 E
 26 E
 28 E
 30 E
 32 E



Three Nations
 Lake

LEGEND

Scale : 1" = 20° dip angle



Readings plotted facing west
 South readings above line
 North readings below line

△ Tx Location

63.4169

Omenica Resources

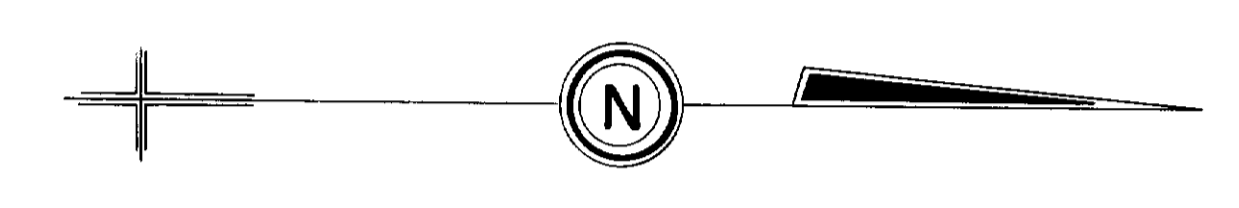
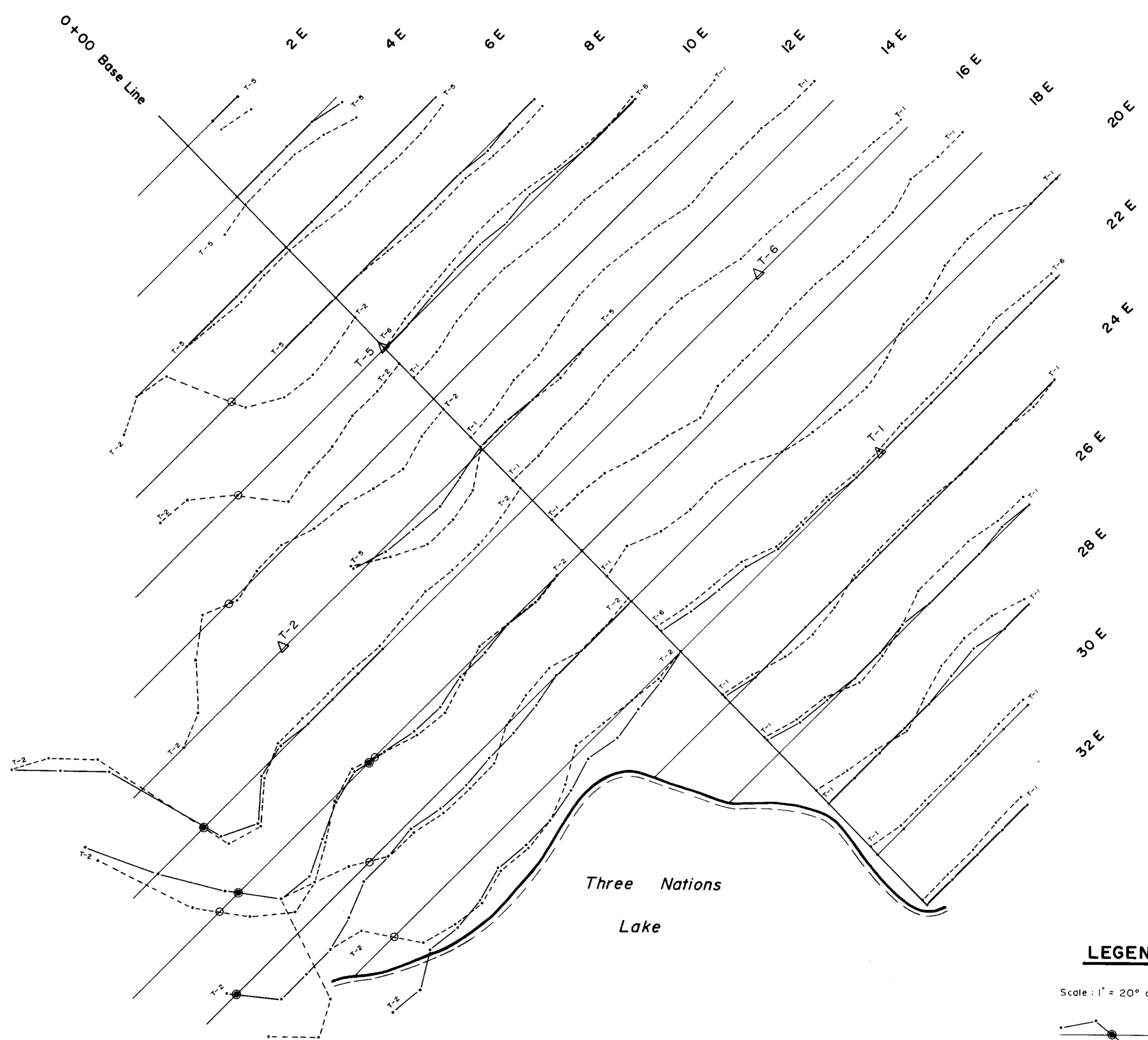
V.L.E.M. SURVEY

Whitney Twp.

SCALE : 1 inch to 200 feet

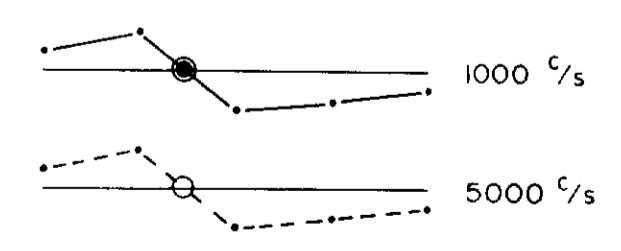


42A96NE0138 63.4169 WHITNEY



LEGEND

Scale : 1" = 20° dip angle



Readings plotted facing west
 South readings above line
 North readings below line

△ Tx Location

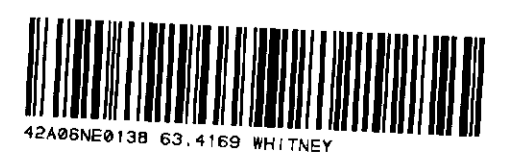
63.4169

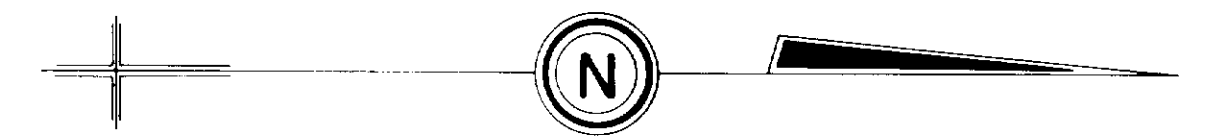
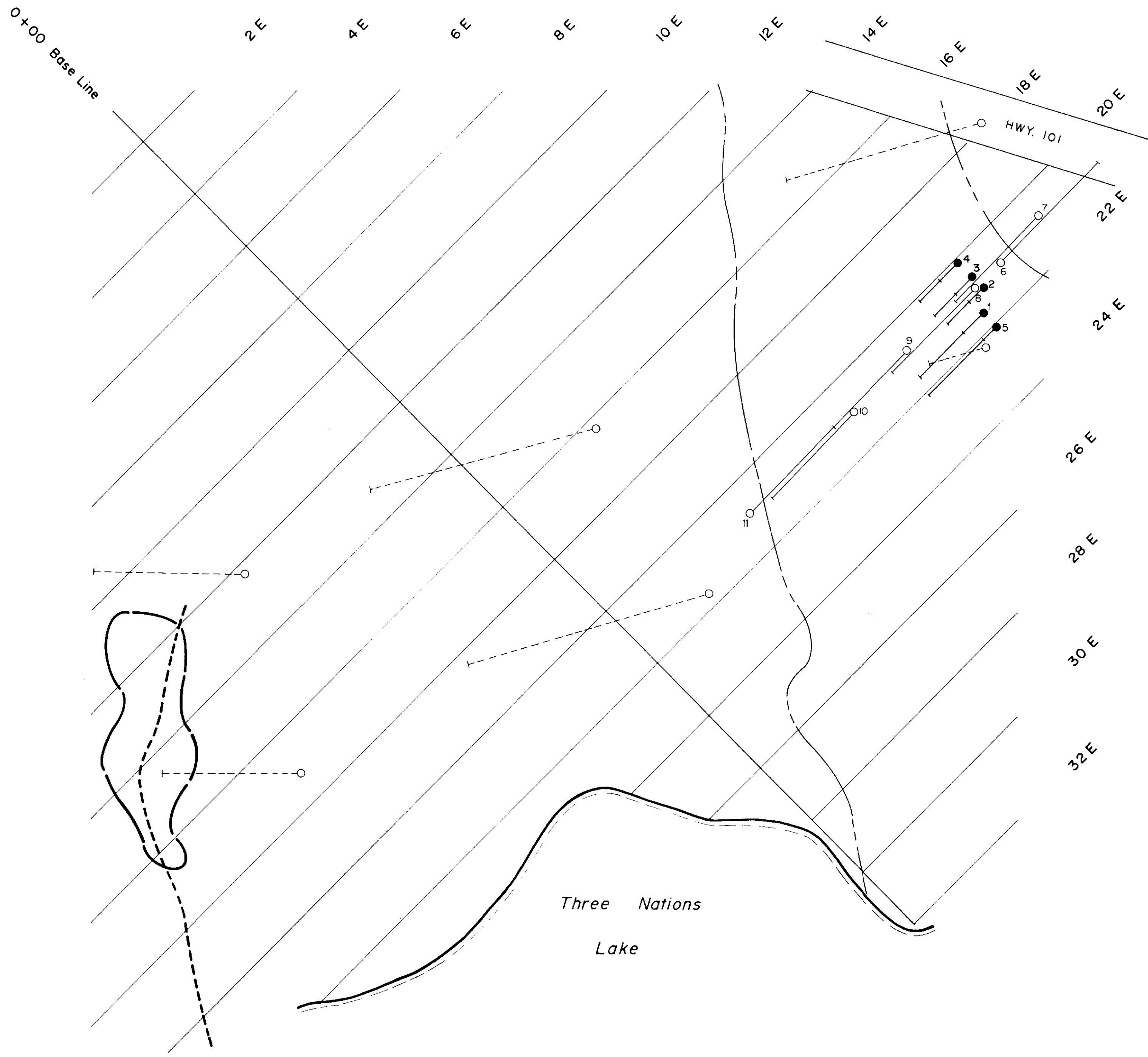
Omenica Resources

V.L.E.M. SURVEY

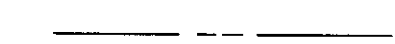

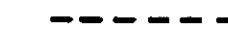
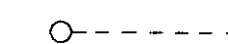


Whitney Twp.

SCALE : 1 inch to 200 feet





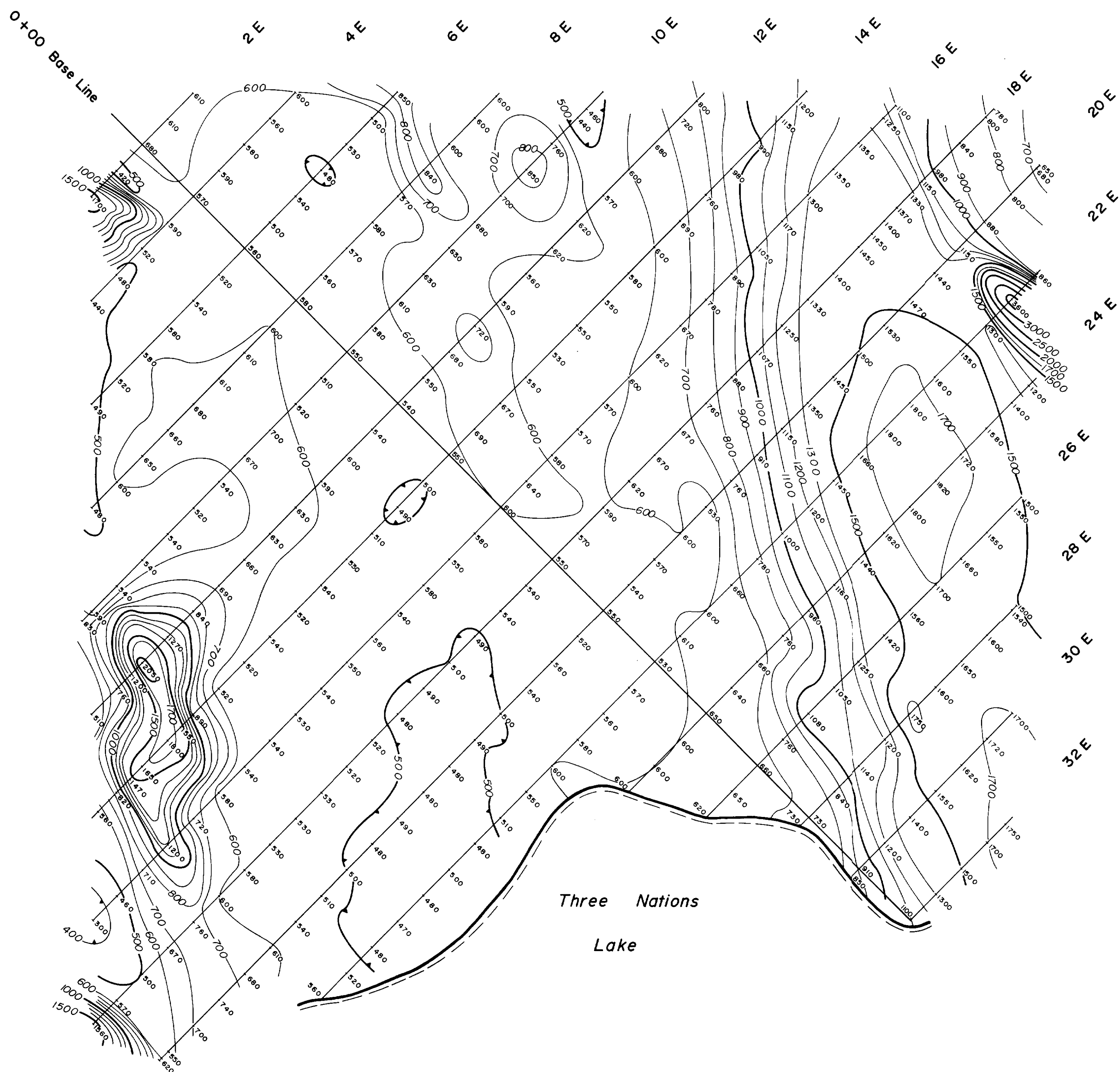
LEGEND

-  Approximate boundary (as suggested by magnetometer survey and diamond drilling) of ultra-mafic lava flows (komatiites) which mark the position of the Porcupine Dector Fault.
-  Anomalously high magnetic zone.
-  Electromagnetic conductor axis.
-  Old diamond drill holes. (circa 1936).
-  Recently completed drill holes (June 1982).
-  Projected drill holes to commence in August, 1982.

63.4169
Omenica Resources
COMPILATION
Whitney Twp.

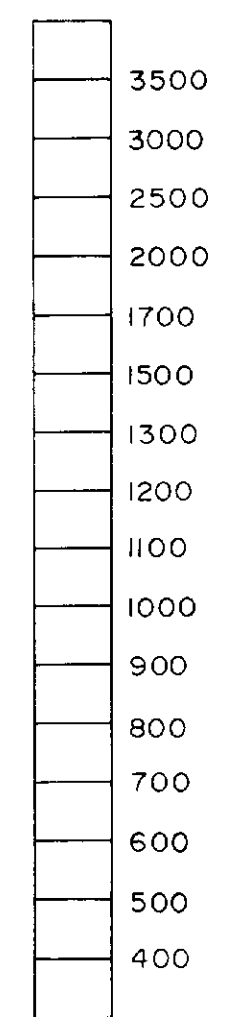
SCALE : 1 inch to 200 feet





LEGEND

Contour Intervals (in gammas)



63.4169
Omenica Resources
Magnetometer Survey
 (Fluxgate)
Whitney Twp.

SCALE : 1 inch to 200 feet

