

42C/035W-0029

LOAD: 16/35

2.8013

Mining Lands Section

File No 28013

Control Sheet

TYPE OF SURVEY

- GEOPHYSICAL
- GEOLOGICAL
- GEOCHEMICAL
- EXPENDITURE

MINING LANDS COMMENTS:

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L.D.

*L.D.*

S. Hurst

Signature of Assessor

85-05-15

Date

WASABI RESOURCES LTD.  
CHAVIN OF CANADA LIMITED  
O'BRIEN ENERGY AND RESOURCES LIMITED

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REPORT ON THE MISSING LAKE PROPERTY  
MISHIBISHU LAKE AREA  
SAULT STE. MARIE MINING DIVISION

RECEIVED

OCT 1 1984

MINING LANDS SECTION

*Charles E. Page*

Charles E. Page  
October 1, 1984

*qual 2.2990*

*2.8013*

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## CONCLUSIONS AND RECOMMENDATIONS

Based on the geological and geophysical surveys carried out on the Missing Lake property to date, the areas of greatest potential for gold mineralization occur in the sulphide/oxide iron formation and felsic pyroclastic units which underlie the central and southern portions of the claim group.

Anomalous gold values (up to 250 ppb) are associated with pyrite and pyrrhotite in the major iron formation. The extension of this horizon to the west of the claim group, has recorded values of up to .07 oz/ton.

Anomalous gold and silver values (up to 200 ppb and 65 ppm respectively) have also been obtained from the felsic units in the central and southern portions of the property. The potential of these belts is demonstrated by a zone of gold enrichment approximately 2800 feet long, located approximately one mile east of the property's south-east boundary in the southern felsic sequence. This zone, explored by Central Crude Ltd. in 1983, has yielded gold values of up to .74 oz/ton.

Several strong conductors located but not explained during the reconnaissance geophysical survey, BB, HH and VV, have anomalous geochemical gold values associated with them. These conductors require further examination to define their potential.

The detailed geophysical survey has defined several moderate to strong conductors not identified by the airborne E.M. survey. These conductors occur in horizons which are considered to be significant by geological standards. Further detailed examination of these conductors is warranted.

In conclusion, the potential for defining economic gold mineralization on the Missing Lake property appears good and further exploration is warranted.

The next phase of exploration should include the following objectives:

- a) A detailed geological survey of the iron formations and associated rocks covered by the grid, with an effort to geochemically sample (soil, rock) and define the geophysical responses outlined during the fall of 1983.
- b) Small grid surveys (VLF, soil, geology) should be carried out over localized, unexplained airborne anomalies, specifically conductors BB, HH and WV on figure 5.
- c) In the wake of the findings by Central Crude Ltd., to the south-east of the property, a more detailed mapping and sampling program should be carried out over the felsic pyroclastic sequences.

1) INTRODUCTION

This report summarizes a reconnaissance geological and geophysical program carried out on the Missing Lake property, Mishibishu Lake area, Sault Ste. Marie mining division. The property is equally held by Wasabi Resources Ltd., Chavin of Canada Ltd. and O'Brien Energy and Resources Limited, all of 916-111 Richmond Street West, Toronto, Ontario.

An airborne geophysical survey flown over the property in February 1983 was followed up by a reconnaissance geological survey and a ground geophysical follow-up of airborne conductors. A field crew of two geologists and three assistants carried out the program during the months of May and June, 1983.

A 2.65 mile baseline and 25 line miles of grid were cut in August of 1983 over the south central portion of the claim group and in September magnetometer and VLF-EM surveys were performed.

Geology and sample locations have been plotted on a base map with a scale of 1 inch = 500 feet. Pace and compass traverses with the aid of air photographs were used for geological mapping. Rock samples (176) and soil samples (45) were analysed discriminately for gold, silver, copper, lead, zinc and molybdenum by Technical Service Laboratories of Mississauga, Ontario.



2) PROPERTY DESCRIPTION, LOCATION AND ACCESS

The Missing Lake property consists of 129 contiguous, unpatented mining claims located on the southern limb of the Mishibishu Lake volcano-sedimentary belt (NTS MAP 42 C/3).

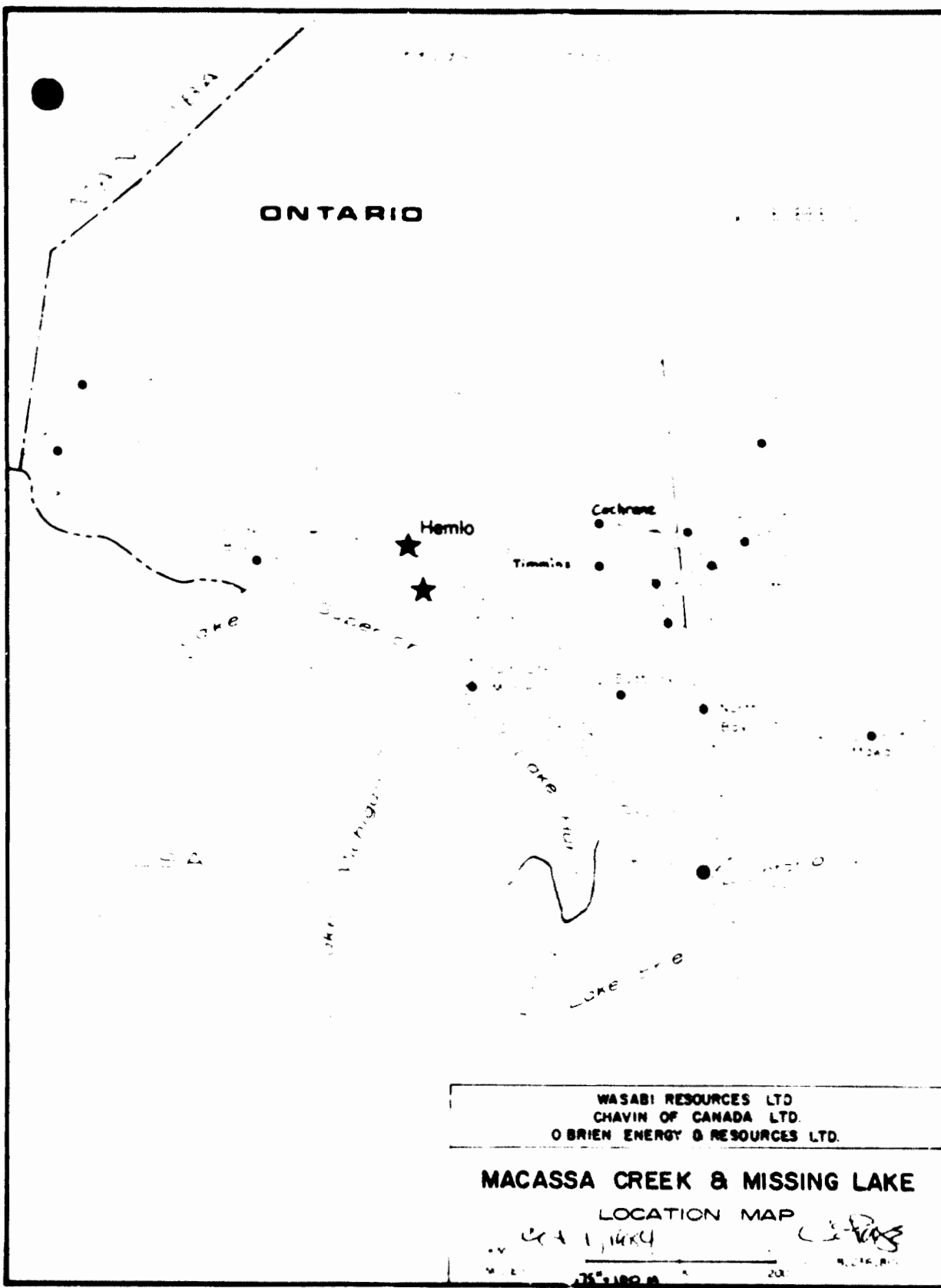
The property is roughly 30 miles west of the town of Wawa, Ontario, 30 miles south of the town of White River, Ontario and 4 miles southwest of Mishibishu Lake (see figure 1).

There are no roads, trails, power lines or navigable waterways on or near the property. Access is by helicopter from White River or float plane from Wawa. Travel within the claim group is by foot or helicopter.

The claim group was staked in the fall of 1982. The claim numbers which comprise the property are:

661110 to 661121 inclusive	(12)
661128 to 661137 inclusive	(10)
661153 to 661162 inclusive	(10)
661169 to 661178 inclusive	(10)
661185 to 661194 inclusive	(10)
661401 to 661409 inclusive	( 9)
661417 to 661434 inclusive	(18)
661453 to 661472 inclusive	(20)
661492 to 661500 inclusive	( 9)
690852	( 1)
690853	( 1)
690872	( 1)
690873	( 1)
690892	( 1)
690893	( 1)
693582 to 693591 inclusive	(10)
693600 to 693604 inclusive	( 5)

129



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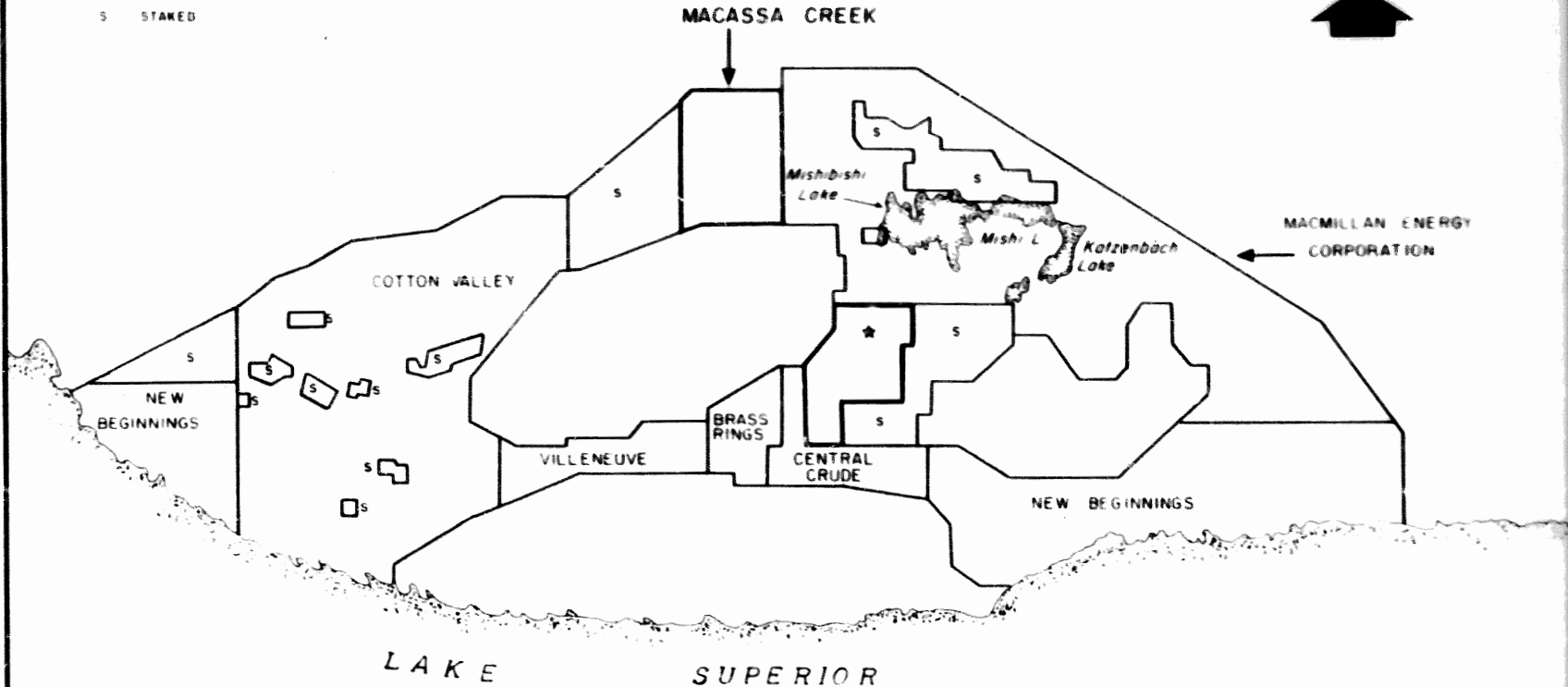
**MACASSA CREEK & MISSING LAKE**  
 LOCATION MAP

Scale: 1:100,000  
 Date: 1/1/84  
 Author: [Signature]

FIGURE 1

★ MISSING LAKE CLAIMS

S STAKED

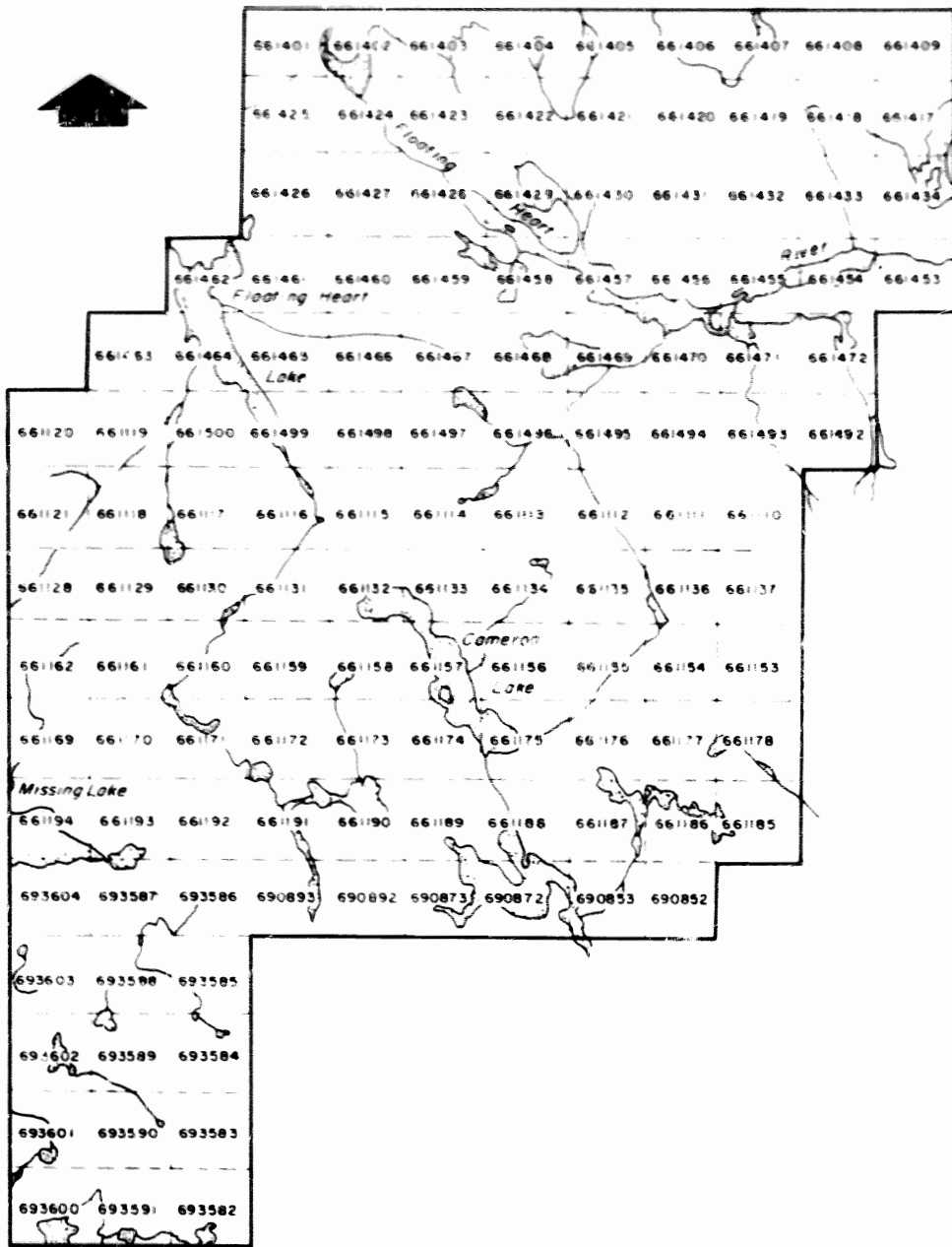


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MISHIBISHI LAKE BELT  
PROPERTY MAP

Oct. 1, 1984 *[Signature]*

1/4 MILES MILES



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### MISSING LAKE

CLAIM MAP

3.3cm = 1000m

0 1000 2000

METERS

Oct 1, 1984

CEPUS

3) PHYSIOGRAPHY

The property is located in rugged terrain. North of Missing Lake there are several parallel ridges which traverse the property in an east-west direction. They have steep slopes and rise up to 300 feet above the surrounding area.

North of these ridges, the property is gently rolling to flat, with extensive overburden and swamps. In the south-east, the fluctuation of relief is again high, owing to numerous, sharp, fault controlled ridges and valleys. The south-west of the property is low, flat and dry.

Numerous small lakes occur throughout the property. The Floating Heart River joins many of these, but is too small to be utilized as a means of access.

Forest species include black spruce, white spruce, birch and balsam. Tag alders occupy the low, wet areas, maples and pine frequently dominate the crests of the hills.

#### 4) PREVIOUS EXPLORATION

There is very little previous work reported on this property. In 1957, Sand River Gold Mining conducted a dip-needle survey over the iron formation ridges north and east of Missing Lake. They drilled two holes and encountered greywackes and interbedded iron formation to a depth of roughly four hundred feet.

Other companies that have been active on the property are Ayles Mines (1954), Falconbridge Nickel (1970), Noranda Exploration Co. (1978), and Amoco Canada Petroleum Co. Ltd. (1980).

Amoco drilled three adjacent conductors located approximately one mile north-east of Cameron Lake. All three encountered mafic metavolcanics interbedded with greywacke and argillites with local thin beds of graphite with bedded sulfides. All samples analyzed nil to trace Au. Evidence of cut grid lines was noticed over some conductors in the field.

There has never been a systematic regional examination of this property or any other property in the Mushibishu Lake belt.

5) REGIONAL GEOLOGY

The Missing Lake property traverses the lower limb of the Mishibishu Lake volcanosedimentary belt just to the west of the Eagle River.

According to the Ontario Ministry of Natural Resources, map 2332 and 2333. (geoscience Report 153, by Bennett and Thurston), the Mishibishu Lake belt is approximately 10 miles thick (north to south) and extends from the Superior shore around Dog Harbour in the east, to the mouth of the Pukaskwa River in the west, a distance of about 35 miles. It is intruded by three major granite stocks and numerous, related, minor ones.

The Mishibishu Lake belt is composed of a complex series of interbedded mafic and felsic volcanic rocks, and associated sediments. There is no evidence, either in the aforementioned report, or in the field, of the existence of ultramafic rocks. Magnetic and non magnetic diabase dykes of considerable size, number and extent transect the region in numerous directions.

## 6) GEOLOGICAL SURVEY

### 6.1 Property Geology

The Missing Lake property covers a portion of the south limb of the Mishibishu volcano-sedimentary belt measuring four miles in thickness. Approximately 30% of the area is exposed in outcrop. The claim group is underlain by extensive units of mafic metavolcanics which trend east-west. Two distinct sedimentary units and one felsic volcanic sequence are found within and separated by the mafic rocks.

The north sedimentary sequence, located on the northern boundary of the property is a series of well defined, interbedded shales, siltstones and greywackes.

The central sedimentary sequence is located just north of Missing Lake and extends eastward across Cameron Lake. This unit measures approximately 1500 feet thick and is composed of banded magnetite iron formation (80%) with interbeds of siltstone. To the north and south of this unit are 2000 foot thick units of massive mafic flows. The contact to the north is sharp and faulted and to the south is more gradual.

A sequence of felsic pyroclastic rocks approximately 1400 feet thick trends eastward through the central portion of Missing Lake and the southern portion of Cameron Lake. This sequence comprises a complex series of interbedded flows, tuffs, lapilli tuffs and agglomerates ranging in composition from rhyolite to dacite. Mafic pyroclastic rocks also occur in this belt, but with less frequency. These rocks exhibit the same range of fragment size as the felsic units.

Another pyroclastic sequence occurs on the southern portion of the property, south of the Floating Heart River. This sequence is similar in composition to the unit described above and is only partially covered by the Missing Lake claims.



## 6.2 Lithologies

### Felsic to intermediate pyroclastic rocks

These rocks are restricted almost entirely to the central and southern portions of the property. The majority of these rocks are lapilli tuffs and agglomerates comprising two types; the first having fragments of feldspathic rock and a crystalline feldspar matrix, and the second having fragments and lapilli of chloritic material in a fine grained green-grey matrix. In general, the latter is more intermediate in composition and occasionally fragments have juvenile characteristics. Agglomerate fragments are often elongated and up to eight inches in length.

### Felsic flow rocks

This felsic flows are found throughout the property south of the iron formation unit. They are generally white in colour, fine grained and massive. Rhyolites, often with flow banding, occur less frequently and are restricted to the central felsic pyroclastic unit. Dacitic flows are also found in this belt and are commonly massive and porphyritic (feldspar), occasionally amygdular.

### Mafic pyroclastic rocks

These rocks are highly chloritic and usually well foliated. Fragments are elongated and similar in texture and composition to the mafic flows. The ground mass is fine grained, often with small feldspar (plagioclase) crystals. These rocks appear to be primarily associated with the felsic rocks of the central pyroclastic sequence.

### Mafic flow rocks

Mafic flows are the most abundant lithological unit, particularly in the northern and central portions of the property. They are generally fine grained, massive and dark green in colour. Occasionally these flows are very coarse grained and without the presence of flow textures may be mistaken for intrusive gabbroic rocks. Weak foliation is present in most flows in the area and locally they may become schistose and occasionally recrystallized to amphibolite.

Also present are medium grained porphyritic flows with plagioclase phenocrysts up to three cm. long.

### Iron formation

The main iron formation sequence is composed of banded chert-magnetite (oxide) with minor units of sulphide facies (chert, pyrite). Within the sequence are interbedded siliceous and chloritic siltstones, mafic rocks and pyritiferous, carbonaceous argillite.

Banded oxide iron formation also occurs within the mafic flow units. These are commonly composed of alternating black chert-magnetite, magnetite and jasper bands. These units are usually less than 2 feet thick and have a high concentration of magnetite.

### Sedimentary rocks

Clastic sedimentary rocks occur throughout the property, but are found in greatest abundance in the two sedimentary sequences previously described. The majority of these rocks are poorly bedded, moderately foliated siltstones with some mafic members. Argillite, shale and greywacke are mainly restricted to the northern sedimentary sequence.

### Sericite schist

There are a few thin quartz-sericite schist units within the main iron formation sequence. These appear to be altered siltstones with increased concentrations of chlorite, carbonate and sulphides. They are characteristically soft and fissile and are associated with disseminated and bedded sulphides.

### Intrusive rocks

The property is enclosed on the east and the north-west by granite plutons. Granitic dyke swarms are found in the volcanic rocks near the contacts. Diabase dykes are common on the property cutting all lithological units. They are generally fine to coarse grained with variable magnetite concentrations.

Gabbros are less common, forming relatively small plugs. The largest measures approximately 300' x 600'. They are associated mainly with the thick sequence of mafic flows north of Floating Heart River.

### 6.3 Structure

The structural geology of the property is not well known. Strikes are consistently  $80^{\circ}$  -  $100^{\circ}$  astronomic; dips are vertical to steeply north. Pillow lavas consistently imply north tops. Vesicle beds located in the south part of the property contradict this stratigraphic information and imply tops to the south. This, and possible reverse sequence stratigraphy could be interpreted as evidence for a synclinal or anticlinal structure but no conclusive evidence for this has been determined on a broad scale.

Minor folding of tuffaceous units has been mapped locally, and is not attributed to major deformation at this time.

Faults and strong lineaments cut the property in two directions; north-east to south-west and south-east to north-west as evidenced in air photos. Movement along these structures is unknown but considered to be minor.

7. MINERALIZATION

Pyrite-pyrrhotite mineralization is ubiquitous on the Missing Lake property occurring in all rock types, commonly as fine grained disseminations, and in fractures and veinlets. Carbonate alteration is also widespread.

Anomalous base and precious metal values are associated with the extensive iron formations and to a lesser degree with the tuffs to the south. Values up to 4.7% lead-zinc, 0.5% copper, 11 ppm silver and 180 ppb gold are associated with sulphide iron formation at Cameron Lake. A mafic lapilli tuff sample south of Cameron Lake yielded 2 oz/ton silver. Altered mafic flows with disseminated sulphides display some anomalous gold values (more than 100 ppb) throughout the property. These anomalous gold values occur to a lesser extent in most other lithologies and are apparently associated with pyrite. Sample locations and assay results are displayed on figure 5.

## 8. Geophysical Surveys

Two separate geophysical surveys were carried out during the 1983 field season. In May and June of 1983 a limited, reconnaissance prospecting and geophysical survey was initiated to follow-up and explain anomalies identified by an airborne geophysical survey. Later, in September, 1983 combined VLF-EM and proton magnetometer surveys were completed over a control grid established in August. Descriptions of these surveys and their results are discussed below.

### 8.1 Reconnaissance Geophysical Survey

A Crone RADEM V.L.F. unit was used in the field to locate known airborne conductors. The conductors, when located, were prospected and sampled if terrain allowed. A total of 25 soil and humus samples were taken.

The surveys usually consisted of three parallel north-south lines, 400 feet apart and 1000 feet long. Readings were taken at 100 foot intervals using Cutler, Maine as transmitting station. Navigation was by pace and compass using 1 inch =  $\frac{1}{4}$  mile air photographs for control. Due to time restrictions, these surveys were dispensed with if the conductor could be immediately explained or had been previously explored by drilling. As a result, only 16 of 20 targets were surveyed.

A short explanation of each of the conductors found is listed below. Conductors have been plotted on the sample location map (figure 5).

#### Conductor A

This conductor appears to be the contact between banded iron formation and massive mafic flows. These flows are a small unit within the iron formation. Six soil samples all assayed nil gold and silver and less than 250 ppb combined lead-zinc.

#### Conductor B

The horizon suspected to be conductor B, outcrops on the west side of Garnet Lake as a narrow (2 foot) unit of interbedded, mineralized, chloritic and siliceous sediments in garnet bearing pillowed mafic flows. Within the unit are thin beds of massive pyrite and associated sphalerite. One rock sample assayed greater than 4000 ppb zinc and seven geochemical samples ranged from trace Zn, Ag, Cu, Pb, Mo to 1700 ppm Zn. Gold in these soils varied from 24 to 36 ppb.

#### Conductor C

This conductor is interpreted as being an eastward extension of conductor B. It was not possible to trace the conductor with the ground survey due to the topography and unreliable readings.

#### Conductors D and E

These conductors represent the east and west extensions of one zone, found to be a sugary recrystallized chert-sulphide iron formation with associated carbonaceous sediments. Two rock assays show 50 and 80 ppb gold respectively. Soil samples (4) gave 610 ppm Cu and up to 28 ppb Au. Pb-Zn-Ag values were low.

#### Conductor F

This conductor is defined as a thin bed of sulphide facies iron formation with good pyrite mineralization (5-20%).

#### Conductor G

This conductor is undefined in overburden underlain by a thick sequence of banded chert magnetite iron formation.

Conductor H

Conductor H has a sharp well defined crossover, with moderate to strong field strength. It is unexplained in overburden. Patchy outcrops in the area indicate a small pyroclastic sequence with mafic agglomerates near the edge of a small lake. Three soil samples assayed up to 18 ppb gold and 200 ppm combined lead-zinc.

Conductor I

Conductor I is located parallel to and one hundred and fifty feet north of conductor H. The conductor, visible in outcrop, appears to be a small unit of granular, graphitic (tuffaceous?) sediment in mafic volcanics.

Conductor J

The crossover occurs at the base of a fault defined ridge in a swamp. Its wide low response may be the result of topographic influences in the area. An old drill site was found on the eastern extension of the conductor.

Conductor K

Conductor K is very strong and sharply defined. It is located in a cedar-spruce swamp close to highly carbonated mafic flows. This conductor was drilled by Amoco Ltd. in 1980 and returned gold values of nil to trace. It is located 1500' eastward and on trend with conductors H, I, and J, and may be an extension of one of these.

Conductor U

This conductor could not be traced effectively due to the presence of lakes and strong parallel conductors to the north and south.

Just south of line B on the lake edge a sulphide bearing chert horizon (10% pyrite) is found. The shallow gully which forms this lake extends westward to the swamp traversed by the north end of line B of conductor H.



The gully may represent a continuous lithological feature.

Conductor V

The most northerly conductor on the property, V is narrow and well defined in carbonated, foliated mafic flows (line A) with local concentrations of pyrite occurring in bands (line C). An anomalous soil assay (600 ppb gold) was taken fifteen feet north of the crossover on line A. Four other samples taken assayed nil to trace in gold, silver and copper.

Conductor W

This conductor occurs in the same sedimentary sequence as X and U. The crossover was located while running line C of Conductor U.

Conductor X

Conductor X was not examined due to lack of time. It is located in overburden along strike from a previously drilled conductor in what appears to be the same sedimentary sequence as conductor U.

## 8.2 Detailed Geophysical Survey

This survey was completed on a control grid covering the central portion of the property, from the west end of Missing Lake eastward across Cameron Lake. Grid lines were cut on 400 foot intervals from a N80°E trending base line 14,000 feet long. Grid lines vary greatly in length due to the presence of lakes, rivers and cliffs. The total grid coverage is approximately 25 line miles.

### 8.2-1 Magnetic Survey

The ground magnetic survey was carried out using an Exploranium Unimag II proton magnetometer. Readings were taken on 100 foot stations. Base stations were set up at the base line to correct for diurnal magnetic drift. After all magnetic corrections were applied, the data was plotted on a scale of 1 inch = 500 feet. Data was contoured at intervals of 1250, 2500, 5000 and 10,000 gammas, after reducing the data by 59,000 gammas. (figure 6A).

The magnetic survey displays several magnetic trends, parallel to the baseline. On the west end of the grid two trends are found. The more northerly trend is broad (approximately 1200 feet) with a moderate to strong response. It is underlain by chert-magnetite iron formation. Eastward towards the central portion of the grid this zone splits into two branches separated by a small trough-like depression. The northerly branch (approximately 800 feet wide) continues to trace the massive iron formation while the southerly trend follows a series of interbedded flows, sediments and iron formations. The iron formation in this series is lithologically similar to that of the northern iron formation. Both these magnetic trends extend to the west side of Cameron Lake.

The second magnetic trend extends the length of the grid and lies south of the branching trend described above. This zone is narrower than the northern zone (approximately 500 feet) and is characterized by rapidly fluctuating

readings. This zone is underlain by mafic flows containing pyroclastics with thin interbeds (up to 10 feet thick) of magnetite-chert iron formation. Magnetite in these beds is more concentrated (30%) and crystalline than magnetite in the northern iron formation.

On the east side of Cameron Lake, several magnetic trends occur. These appear to be continuations of the western trends with offsets to the north of up to 1500 feet.

#### 8.2.2 Detailed V.L.F.-E.M. Survey

A Crone RADEM V. L.F.-E.M. unit was used to conduct the ground V.L.F. survey. The transmitting station used was Seattle, Washington and readings were taken on 100 foot stations. Dip angle profiles were plotted at a scale of 1 inch = 20 degrees (figure 6C). V.L.F. data was also filtered using the method designed by D.C. Fraser and plotted using a 1 inch = 500 foot scale and contoured on a 10 unit interval for all values greater than 0. (figure 6B).

##### Conductor AA

This conductor is associated with a ridge of banded oxide iron formation to the northwest of Cameron Lake. This conductor corresponds to reconnaissance conductor E.

##### Conductors BB and CC

These conductors both appear to be associated with faults within the iron formation. They coincide with sharp fault controlled gullies running parallel to the local stratigraphy. Conductor BB corresponds to conductor F of the reconnaissance geophysical survey (figure 5), and conductor CC corresponds to reconnaissance conductor A.

##### Conductor DD

This group of conductors represent a series of moderate, broad en echelon crossovers situated in the vicinity of the baseline, extending

across the entire grid for 2.3 miles.

Using the Fraser filtering method, these conductors coalesce into a single long axis winding about the baseline. This axis runs parallel to the regional strike and may represent a conductive horizon. Reconnaissance geology in the area indicates that the conductor lies in sequence of mafic flow rocks south of the iron formation.

Conductor EE

Conductor EE and a small unnamed crossover on L60W 17S are located within the central felsic pyroclastic belt. These conductors are conformable with local geology and remain unexplained.

Conductor FF

This conductor is unexplained at this time.

References

Aerodat., 1983;

Report on Combined Helicopter-borne Magnetic, Electromagnetic and VLF-EM Survey, Missing Lake Claims, Ontario  
Private company report.

Bennett Gerald and Thurston P.C., 1977;

Geology of the Pukaskwa River - University River Area, Districts of Algoma and Thunder Bay. Ministry of Natural Resources. Geoscience Report 153.

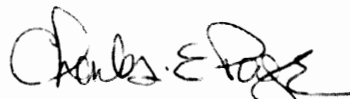
Descarreux, Jean 1983;

Report on the Missing Lake Property, Lake Superior Area, Ontario.  
Private company report.

STATEMENT OF QUALIFICATIONS

I, Charles E. Page of Burlington, Ontario, do hereby certify that:

1. I am a geologist residing at 1454 Westbury Avenue, Burlington Ontario, L7P 1M2.
2. I am a graduate of Brock University, St. Catharines, Ontario, (1975, B.Sc.) and the University of Waterloo (1983, M.Sc.).
3. I am a Fellow of the Geological Association of Canada.
4. I have practised my profession for nine years and supervised the work carried out in this report.
5. I do not directly or indirectly hold an interest in the property.



Charles E. Page M.Sc.  
Burlington, Ontario  
October 1, 1984

# CHAVIN OF CANADA LIMITED

111 RICHMOND STREET WEST, TORONTO M5H 2C

THE TORONTO-DOMINION BANK  
111 RICHMOND ST. WEST  
TORONTO, ONTARIO

DATE June 15, 1983

PAY

No 3243

\$ 1,226.25



TO THE ORDER OF

X-Ray Assay Laboratories Limited  
1885 Leslie Street  
Don Mills, Ontario  
M3B 3J4

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⑆174420004⑆ 05850040096210

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## CHAVIN OF CANADA LIMITED

THE ABOVE CHEQUE IN FULL PAYMENT OF ITEMS HEREON

PARTICULARS	DISTRIBUTION
Invoice # 17892 501-512 incl 17899 12 rock prep x 2.75 33.00 12 Au x 6.50 78.00 12 Ag x 0.90 10.80 5 Pb x 0.90 4.50 9 Cu x 0.90 8.10 7 Zn x 0.90 6.30 7 Pb x 0.90 6.30 3 1st element charge x 1.25 3.75 \$150.75	\$ <sup>291</sup> 298.50 934.75 \$1,226.25 Expl: geology/sampling \$1,226.25 APPROVED FOR PAYMENT ACCOUNTANT CZA n.

111 RICHMOND STREET WEST, SUITE 710  
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M5H 2G4

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HARBINSON MINING & OIL GROUP  
ATTN: C. E. PAGE  
111 RICHMOND STREET WEST, SUITE 916  
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M5H 2G4

CUSTOMER NO 565

INVOICE NO	INVOICE DATE	WORK ORDER NO	DATE SUBMITTED
17892	10-JUN-83	13541	25-MAY-83

TERMS

TERMS NET 30 DAYS  
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

INVOICE NO	CLIENT PROJECT NO	TYPE OF SAMPLES SUBMITTED	WAY BILL NO	SHIPPED FROM
		ROCK HUMUS SOIL	1 BOX	NANA, ONTARIO
QTY	DESCRIPTION METHOD	ANAL CODE	UNIT COST	AMOUNT
13	AU FADCP	10, 7, 0, 0, 0	6.50	84.50
9	AU NA	2, 20, 0, 0, 0	6.50	58.50
22	1ST ELEMENT CHARGE DCP	7, 0, 0, 0, 0	1.25	27.50
15	NO PPM DCP	7, 0, 0, 0, 0	0.90	13.50
19	CU PPM DCP	7, 0, 0, 0, 0	0.90	17.10
17	ZN PPM DCP	7, 0, 0, 0, 0	0.90	15.30
22	AG PPM DCP	7, 0, 0, 0, 0	0.90	19.80
17	PB PPM DCP	7, 0, 0, 0, 0	0.90	15.30
12	PREPARATION ROCK	1, 0, 0, 0, 0	2.75	33.00
1	PREPARATION SOILS, SILT, S. SEDS	2, 0, 0, 0, 0	0.70	0.70
9	PREPARATION HUMUS OR LEAVES	2, 0, 0, 0, 0	0.70	6.30

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111 RICHMOND STREET WEST, TORONTO, ONTARIO M5N 2

THE TORONTO-DOMINION BANK  
111 RICHMOND ST. WEST  
TORONTO, ONTARIO

DATE June 23, 1983  
PAY

No 3250

\$ 643.85



TO THE ORDER OF  
Technical Service Laboratories  
1301 Fewster Drive  
Mississauga, Ontario  
L4W 1A2

CHAVIN OF CANADA LIMITED

⑆ 7744 2-004⑆ 0585-040096 2⑆ OFFICE COPY NOT NEGOTIABLE

CHAVIN OF CANADA LIMITED  
THE ABOVE CHEQUE IN FULL PAYMENT OF ITEMS HEREON

PARTICULARS		DISTRIBUTION	
Invoice # 22436	613-515 incl 531-538 540-543 556 557-560	\$643 85	Expln: Geology & Sampling
5 Au x 9.30	139.50		\$643 85
2 Au x 7.75	15.50		
1 Au x 7.00	7.00		
16 Sample prep x 2.75	44.00		
	\$206.00		
		APPROVED FOR PAYMENT	
		ACCOUNTANT	



## TECHNICAL SERVICE LABORATORIES

DIVISION OF BURDETT TECHNICAL ENTERPRISES LIMITED  
1301 FEWSTER DR., MISSISSAUGA, ONTARIO L4W 1A2  
TELEPHONE: (416) 625-1544

INVOICE NO.  
22436

A8229  
22436

PAYEE TO Harbinson Mining & Oil Group Suite 916 111 Richmond St. W. Toronto Ontario M5R 2G4	DATE	REFERENCE NO.	YOUR ORDER NO.
	June 16/83	T3523	/
	SHIP TO		
	Mr. R. Hodgson		TERMS: NET 30 DAYS

CODE	DESCRIPTION	UNIT PRICE	TOTAL
1.5	46 Determinations of Au & Ag by FA/AA	9.30	427.80
1.5	3 Determinations of Au	7.00	21.00
1.2	5 Determinations of Cu	7.75	38.75
8.5	49 Sample Preparations	2.75	134.75
TOTAL			622.30
DELIVERY CHARGES			21.55
PAY THIS AMOUNT			643.85

*OK [Signature]*



**CHAVIN OF CANADA LIMITED**

4-111 RICHMOND STREET WEST, TORONTO, M5H 1

THE TORONTO-DOMINION BANK  
111 RICHMOND ST. WEST  
TORONTO, ONTARIO

No 3349

DATE 8/12/83

PAY

\$ 459.93

TO THE ORDER OF

CHAVIN OF CANADA LIMITED  
111 RICHMOND ST. WEST  
TORONTO, ONTARIO M5H 1



CHAVIN OF CANADA LIMITED

⑆17442⑈004⑆ 0585⑈0400962⑈

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**CHAVIN OF CANADA LIMITED**

No 3349

THE ABOVE CHEQUE IN FULL PAYMENT OF ITEMS HEREON

PARTICULARS

DISTRIBUTION

INVOICE # 565  
# 571 - 586 incl  
595 - 597 incl

20 Au x 8.60 172.00  
8 Ag x 0.90 7.20  
3 Cu x 7.75 23.25  
20 Sample prep x 2.75 55.00  
#257.95

TECHNICAL SERVICE LABORATORIES

APPROVED FOR PAYMENT

*[Signature]*

ACCOUNTANT

CAI  
W.

**TECHNICAL SERVICE LABORATORIES**

1301 FEWSTER DR., MISSISSAUGA, ONTARIO L4W 1A2  
TELEPHONE: (416) 625-1644

88279  
22730

CHARGE TO

Harbison Mining & Oil Group  
Suite 910 111 Richmond St. W.  
Toronto Ontario  
M5H 2G4

DATE July 18/83

REFERENCE NO. X3742

YOUR ORDER NO.

SHIP TO

Mr. E. Hodgson

CODE

DESCRIPTION

UNIT PRICE

TOTAL

1.5	37	Determinations of Au by FA/AA	7.00	259.00
1.2	37	Aqua Regia Digestions	1.60	69.20
8.5	37	Sample Preparations	2.75	101.75
1.2	10	Determinations of Silver	0.90	9.00
1.2	4	Determinations of Cu	7.75	91.00

TOTAL

459.95

PAY THIS AMOUNT

459.95

*[Signature]*  
CHAVIN

Original Invoice not  
Previously Paid  
*[Signature]*

# CHAVIN OF CANADA LIMITED

16-111 RICHMOND STREET WEST, TORONTO M5H 1

THE TORONTO-DOMINION BANK  
111 RICHMOND ST. WEST  
TORONTO, ONTARIO

DATE July 4, 1983

PAY

No 3261

\$ 639.30

TO THE ORDER OF

Technical Service Laboratories  
1301 Fewster Drive  
Mississauga, Ontario  
L4W 1A2



CHAVIN OF CANADA LIMITED

⑆17442⑆004⑆ 0585⑆0400962⑆ OFFICE COPY NOT NEGOTIABLE

CHAVIN OF CANADA LIMITED No 3261  
THE ABOVE CHEQUE IN FULL PAYMENT OF ITEMS HEREON

PARTICULARS

DISTRIBUTION

Invoice # 22537 #598 #599 #601 #615 incl #617, 618, 621 20 Au Ag x 12.00 \$ 240.00 20 Cu Mo x 12.75 255.00 1 Pb Zn x 10.00 10.00 20 sample prep x 2.75 55.00 \$560.00	\$688.30	Explan: Geology   APPROVED FOR PAYMENT  ACCOUNTANT	\$688.30  C-36 2.
---	----------	---	----------------------------



## TECHNICAL SERVICE LABORATORIES

DIVISION OF BURGESS TECHNICAL ENTERPRISES LIMITED  
1301 FEWSTER DR., MISSISSAUGA, ONTARIO L4W 1A2  
TELEPHONE: (416) 625-1544

INVOICE NO. 22537

A8229  
22537

CHARGE TO Harbinson Mining & Oil Group Suite 916 111 Richmond St. W. Toronto Ontario M5H 2G4	DATE June 24, 1983	REFERENCE NO. t3626	YOUR ORDER NO. /
	SHIP TO Mr. R. Hodgson		
	TERMS: NET 30 DAYS		

CODE	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
1.5	24	Determinations of Au & Ag by FA/AA	12.00	288.00
1.2	23	Determinations of Cu & Mo	12.75	293.25
1.2	1	Determination of Cu Pb Zn & Mo	22.75	22.75
8.5	24	Sample Preparations	2.75	66.00
<b>TOTAL</b>				<b>670.00</b>
<b>DELIVERY CHARGES</b>				<b>18.30</b>
<b>PAY THIS AMOUNT</b>				<b>688.30</b>

*[Handwritten signature]*

**CHAVIN OF CANADA LIMITED**

THE TORONTO-DOMINION BANK  
111 RICHMOND ST. WEST  
TORONTO, ONTARIO

977 RICHMOND STREET WEST, TORONTO M5H 2G4

DATE JULY 21, 1983  
PAY

No 3267

\$ 745.00

TO THE ORDER OF

TECHNICAL SERVICE LABORATORIES  
1301 FEWSTER DRIVE  
MISSISSAUGA, ONTARIO  
L4W 1A2

CHAVIN OF CANADA LIMITED

⑆17442⑈004⑆ 0585⑈0400962⑈

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CHAVIN OF CANADA LIMITED

No 3267

THE ABOVE CHEQUE IN FULL PAYMENT OF ITEMS HEREON

PARTICULARS

DISTRIBUTION

INVOICE # 22631 all samples #6.0-6.50 incl	\$745.00	EXPLN: GEOLOGY/SAMPLING	\$745.00  C.36 2.
		APPROVED FOR PAYMENT _____ ACCOUNTANT	



**TECHNICAL SERVICE LABORATORIES**

DIVISION OF BURGHER TECHNICAL ENTERPRISES LIMITED

1301 FEWSTER DR., MISSISSAUGA, ONTARIO L4W 1A2  
TELEPHONE: (416) 625-1544

INVOICE NO.  
**22631**

A8229  
22631

CHARGE TO  Harbinson Mining & Oil Group Suite 916 111 Richmond St. W. Toronto Ontario M5H 2G4	DATE July 7/83 SHIP TO Mr. R. Hodgson	REFERENCE NO. T3726	YOUR ORDER NO. /
--	--	------------------------	---------------------

CODE	DESCRIPTION	UNIT PRICE	TOTAL
1.5	29 Determinations of Au by FA/AA	7.00	203.00
1.2	27 Determinations of Cu & Mo	12.75	344.25
1.2	2 Determinations of Cu Mo Pb & Zn	22.75	45.50
1.2	29 Aquaregia Digestions	1.60	46.40
1.2	29 Determinations of Ag	0.90	26.10
8.5	29 Sample Preparations	2.75	79.75
<b>TOTAL</b>			<b>745.00</b>
PAY THIS AMOUNT			<b>745.00</b>

OK. C.P. [Signature]  
CHAVIN - [Signature]

# CHAVIN OF CANADA LIMITED

THE TORONTO-DOMINION BANK  
111 RICHMOND ST. WEST  
TORONTO, ONTARIO

11 RICHMOND STREET WEST, TORONTO M5H 2G

DATE AUGUST 4, 1985

No 3292

PAY

\$ 1,153.60

TO THE ORDER OF

TECHNICAL SERVICE LABORATORIES  
1301 FEWSTER DRIVE  
MISSISSAUGA, ONTARIO  
L4W 1A2



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OFFICE COPY

⑆ 744 20004 ⑆ 0585 040096 20 ⑆

NOT NEGOTIABLE

CHAVIN OF CANADA LIMITED

No 3292

THE ABOVE CHEQUE IN FULL PAYMENT OF ITEMS HEREON

PARTICULARS

DISTRIBUTION

INVOICE # 22736

# 651-697 incl  
# 700  
# 708-715 incl  
# 717-720 incl  
# 722, 723, 727

\$1,153.60

EXPLN: GEOLOGY & SAMPLING

\$1,153.60

63 Au x 7.00 491.00  
63 Aquaregia x 1.60 100.80  
15 sub 2 Ag Mo x 9.10 61.50  
48 Cu Mo Ag x 2.70 129.60  
63 Sample Prep x 2.75 173.25  
8906.15

C-38  
2

APPROVED FOR PAYMENT

*[Signature]*

ACCOUNTANT



## TECHNICAL SERVICE LABORATORIES

DIVISION OF BURGESS TECHNICAL ENTERPRISES LIMITED

1301 FEWSTER DR., MISSISSAUGA, ONTARIO L4W 1A2  
TELEPHONE: (416) 625-1544

INVOICE NO.

22736

A8229

CHARGE TO

Harbinson Mining & Oil Group  
Suite 916 111 Richmond St. W.  
Toronto, Ontario.  
M5H 2G4

DATE

July 20/83

REFERENCE NO.

T - 3816

YOUR ORDER NO.

SHIP TO

R. Hodgson & B. McGuinty-Wawa

TERMS: NET 30 DA

CODE	DESCRIPTION	UNIT PRICE	TOTAL
(1.5)	77 Determinations of Au by FA/AA	\$7.00	\$539.00
(1.5)	77 Aquaregia Digestions	\$1.60	\$123.20
(1.2)	24 Determinations of Cu Pb Zn Ag Mo	\$4.10	\$98.40
(1.2)	52 Determinations of Cu Mo Ag	\$2.70	\$140.40
(8.5)	77 Sample Preparations	\$2.75	\$211.75
			\$1112.75
	Collect Charges Greyhound CG379795		13.85
	Pickup from Bus Depot		7.00
Invoice # 22736	\$1133.60 Exploratory		\$1133.60
	CHAVIN OF CANADA LIMITED		
	MISSISSAUGA, ONTARIO		
	L4W 1A2		
	Exploratory		
	Sampling		

CHAVIN OF CANADA LIMITED

111 RICHMOND STREET WEST, TORONTO M5H 2

THE TORONTO-DOMINION BANK  
111 RICHMOND ST. WEST  
TORONTO, ONTARIO

DATE: August 1, 1983  
PAY

No 3296

\$ 707.00

TO THE ORDER OF

Technical Service Laboratories  
1301 Fewster Drive  
Mississauga, Ontario  
L4W 1A2



CHAVIN OF CANADA LIMITED

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CHAVIN OF CANADA LIMITED No 3296  
THE ABOVE CHEQUE IN FULL PAYMENT OF ITEMS HEREON

PARTICULARS	DISTRIBUTION	INVOICE NO.
Invoice # 22867 #732-734 incl. #719, #753	\$707.00 Expln: Geology/Sampling	22867 60
5 Au x 7.00 \$ 35.00		
5 Ag prep. x 1.60 8.00		
5 Cu Pb Zn Ag Mo x 4.10 20.50		
5 sample prep x 2.75 13.75		
\$ 77.25		
	APPROVED FOR PAYMENT  ACCOUNTANT	



**TECHNICAL SERVICE LABORATORIES**

DIVISION OF BURGNER TECHNICAL ENTERPRISES LIMITED

1301 FEWSTER DR., MISSISSAUGA, ONTARIO L4W 1A2  
TELEPHONE: (416) 625-1544

INVOICE NO.  
**22867**  
A8229  
22867

CHARGE TO  Harbinson Mining & Oil Group Suite 916 111 Richmond St. W. Toronto Ontario M5H 2G4	DATE Aug 3/83	REFERENCE NO. t3924	YOUR ORDER NO. /
	SHIP TO Mr. R. Hodgson		
	TERMS: NET 30 DAY		

CODE	DESCRIPTION	UNIT PRICE	TOTAL
2.5	46 Determinations of Au by FA/AA	7.00	322.00
2.5	46 Aqua Regia Digestions	1.60	73.60
2.2	46 Det. of Cu Pb Zn Ag & Mo	4.10	188.60
2.5	29 Sample Preparations of Rocks	2.75	79.75
2.5	17 Sample Preparations of Soils	0.70	11.90
	2 Det. of Cu by Assay	7.75	15.50
	1 Det. of Zn by Assay	7.75	7.75
	1 Det. of Au by Assay	8.50	8.50
	<b>TOTAL</b>		<b>707.60</b>
		PAY THIS AMOUNT	<b>707.60</b>

OK-CEP  
CHAVIN (Cont. O.C. Ltd.)

CHAVIN OF CANADA LIMITED

111 RICHMOND STREET WEST, TORONTO M5H 2Z

THE TORONTO DOMINION BANK  
111 RICHMOND ST. WEST  
TORONTO, ONTARIO

No 3319

DATE \_\_\_\_\_  
PAY

\$ \_\_\_\_\_



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CHAVIN OF CANADA LIMITED No 3319  
THE ABOVE CHEQUE IN FULL PAYMENT OF ITEMS HEREON

PARTICULARS

DISTRIBUTION

INVOICE NO. 2234, 22977  
#751, #776, #779, #792-797 incl  
9 Au x 7.00 63.00  
7 aquaregia 1.60 14.40  
9 Cu Pb Zn Ag 1.0 x 4.0 36.90  
9 sample prep x 2.75 24.75  
\$139.05

SUBS 15 CHEMISTRY/SAMPLING

APPROVED FOR PAYMENT

ACCOUNTANT

C39  
✓



TECHNICAL SERVICE LABORATORIES

DIVISION OF BURGESS TECHNICAL ENTERPRISES LIMITED  
1301 FEWSTER DR., MISSISSAUGA, ONTARIO L4W 1A2  
TELEPHONE: (416) 625-1544

INVOICE NO.  
22984

AA8229  
22984

CHARGE TO Harbinson Mining & Oil Group Suite 916 111 Richmond St. W. Toronto Ont. M5H 2G4	DATE Aug. 19/83	REFERENCE NO. t3995	YOUR ORDER NO. /
	SHIP TO Mr. R. Hodgson		
	TERMS: NET 30 DAYS		

CODE	DESCRIPTION	UNIT PRICE	TOTAL
1.5	49 Determinations of Au by FA/AA	7.00	343.00
1.2	48 Determinations of Ag Cu Mo Pb & Zn	4.10	196.80
1.2	49 Aqua Regia Digestions	1.60	78.40
8.5	8 Rock Sample Preparations	2.75	22.00
8.5	41 Soil Sample Preparations	0.70	28.70
TOTAL			668.90
PAY THIS AMOUNT			668.90
Pick Up Charge From Bus Depot			\$ 14.65

CHECKED



GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL  
TECHNICAL DATA STATEMENT

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

Type of Survey(s) Geophysical  
Township or Area Mishibishu Lake  
Claim Holder(s) Wasabi Resources Ltd.  
Survey Company Wasabi Resources Ltd.  
Author of Report C.E. Page  
Address of Author 916-111 Richmond St. W. Toronto, Ont.  
Covering Dates of Survey August 8/83 - October 27/83  
(linecutting to office)  
Total Miles of Line Cut 27.65

<u>SPECIAL PROVISIONS CREDITS REQUESTED</u>	<u>DAYS per claim</u>
ENTER 40 days (includes line cutting) for first survey.	Geophysical
	- Electromagnetic <u>9</u>
	- Magnetometer <u>8</u>
	- Radiometric _____
	- Other _____
ENTER 20 days for each additional survey using same grid.	Geological _____
	Geochemical _____

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

Magnetometer: \_\_\_\_\_ Electromagnetic \_\_\_\_\_ Radiometric \_\_\_\_\_  
(enter days per claim)

DATE: April 3/85 SIGNATURE: [Signature]  
Author of Report or Agent

Res. Geol. \_\_\_\_\_ Qualifications \_\_\_\_\_

Previous Surveys

File No.	Type	Date	Claim Holder

<b>MINING CLAIMS TRAVERSED</b>	
List numerically	
SSM	661113
(prefix)	(number)
	661114
	661115
	661116
	661117
	661121
	661128
	661129
	661130
	661131
	661132
	661133
	661134
	661135
	661155
	661156
	661157
	661158
	661159
	661160
	661161
	See attached sheet
<b>TOTAL CLAIMS</b>	<b>41</b>

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MINING LANDS SECTION

If space insufficient, attach list

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

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



Number of Stations 2770 Number of Readings 2770  
Station interval 100 Line spacing 400  
Profile scale 1 inch = 20 degrees  
Contour interval 0, 1250, 2500, 5000, 10,000

MAGNETIC

Instrument Exploration Unimag II Proton Magnetometer  
Accuracy - Scale constant + 10%  
Diurnal correction method time average  
Base Station check-in interval (hours) ≤ 2 hrs.  
Base Station location and value 16 base-line base stations

ELECTROMAGNETIC

Instrument Crone Radem V.L.F. E.M.  
Coil configuration \_\_\_\_\_  
Coil separation \_\_\_\_\_  
Accuracy + 1%  
Method:  Fixed transmitter  Shoot back  In line  Parallel line  
Frequency Seattle, Washington 24.8 KHZ.  
(specify V.L.F. station)  
Parameters measured inphase, out of phase (quadrature)

GRAVITY

Instrument \_\_\_\_\_  
Scale constant \_\_\_\_\_  
Corrections made \_\_\_\_\_  
Base station value and location \_\_\_\_\_  
Elevation accuracy \_\_\_\_\_

RESISTIVITY

Instrument \_\_\_\_\_  
Method  Time Domain  Frequency Domain  
Parameters - On time \_\_\_\_\_ Frequency \_\_\_\_\_  
- Off time \_\_\_\_\_ Range \_\_\_\_\_  
- Delay time \_\_\_\_\_  
- Integration time \_\_\_\_\_  
Power \_\_\_\_\_  
Electrode array \_\_\_\_\_  
Electrode spacing \_\_\_\_\_  
Type of electrode \_\_\_\_\_



SSM 661162  
661169  
661170  
661171  
661172  
661173  
661174  
661175  
661176  
661187  
661188  
661189  
661190  
661191  
661192  
661193  
661194  
661500  
690893  
693586

Recorded Holder	WASABI RESOURCES LTD
Township or Area	AREA OF MISHIBISHU LAKE

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
<b>Geophysical</b> Electromagnetic _____ 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 type="checkbox"/> Ground <input type="checkbox"/> <input 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>\$3041.65 SPENT ON ASSAYING SAMPLES TAKEN FROM MINING CLAIMS:</p> <p>SSM 661110 to 115 inclusive            661118 -28-30            661132 to 137 inclusive            661153-54-55-57-58-59            661169 to 172 inclusive            661174-75            661185 to 193 inclusive            661407-08-09-18-31-54-55-56-60            -67-68-69            661497-98-99            690853-72-93            693582-84            693601</p> <p>203 DAYS CREDIT ALLOWED WHICH MAY BE GROUPED IN ACCORDANCE WITH SECTION 76(6) OF THE MINING ACT RSO 1980.</p>

**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

# 67-85  
2.8013

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

Mining Act

Type of Survey(s): **Geological**  
 Claim Holder(s): **Wasabi Resources Ltd.**  
 Address: **916-111 Richmond Street West, Toronto, Ontario M5H 2G4**  
 Survey Company: **Wasabi Resources Ltd.**  
 Name and Address of Author (of Geo-Technical report): **C.E. Page, 916-111 Richmond Street West, Toronto, Ontario M5H 2G4**  
 Township or Area: **Area of Mishibishu Lake M-7 + M.6**  
 Prospector's Licence No: **T986**  
 Date of Survey (from & to): **08 05 83 27 07 83**  
 Total Miles of line Cut: **57.3 mi. flagged**

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	
	Magnetometer	
	Radiometric	
For each additional survey using the same grid. Enter 20 days (for each)	Other	
	Geological	
	Geochemical	
Min Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	Electromagnetic	
	Magnetometer	
	Radiometric	
	Other	
	Geological	<b>13</b>
	Geochemical	
Airborne Credits	Geophysical	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Prefix	Mining Claim Number	Expend Days Cr	Prefix	Mining Claim Number	Expend Days Cr
SSM	661110		SSM	661154	
	661111			661155	
	661112			661156	
	661113			661157	
	661114			661158	
	661115			661159	
	661116			661160	
	661117			661161	
	661118			661162	
	661119			661169	
	661120			661170	
	661121			661171	
	661128			661172	
	661129			661173	
	661130			661174	
	661131			661175	
	661132			661176	
	661133			661177	
	661134			661178	
	661135			661185	
	661136			661186	
	661137			661187	
	661153			661188	

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APR 10 1985  
MINING LANDS SECTION

RECEIVED  
APR 10 1985

S. S. MARIE  
MINING DIV.

Expenditures (excludes power stripping)  
 Type of Work Performed:  
 Perform on Claims:  
 Calculation of Expenditure Days Credits:  
 Total Expenditures: \$  ÷ 15 =   
 Instructions: Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

(continued on attached sheet)  
 Total number of mining claims covered by this report of work: **115**

Date: **April 3/85**  
 Record Holder or Agent (Signature): **U. Abolins**

For Office Use Only  
 Total Days Cr. Recorded: **1495**  
 Date Recorded: **April 10/85**  
 Made Recorder: **[Signature]**  
 Date Approved as Recorded: **85 5/21**  
 Approved: **[Signature]**

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.  
 Name and Postal Address of Person Certifying: **Mr. U. Abolins, 916-111 Richmond St. W. Toronto, Ontario M5H 2G4**  
 Date Certified: **April 3/85**  
 Certified by (Signature): **U. Abolins**  
 File on **SSM 661110**

## Assessment Work Breakdown

Man Days are based on eight (8) hour Technical or Line-cutting days. Technical days include work performed by consultants, draftsmen, etc..

Type of Survey

*Geological*

Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	+	No. of Claims	=	Days per Claim
213	X	7	=	1491	+	—	=	1491	+	115	=	13

Type of Survey

Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	+	No. of Claims	=	Days per Claim
	X	7	=		+		=		+		=	

Type of Survey

*Geological*

Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	+	No. of Claims	=	Days per Claim
	X	7	=		+		=		+		=	

Type of Survey

Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	+	No. of Claims	=	Days per Claim
	X	7	=		+		=		+		=	

SSM 661189	661464	693588
661190	661465	693589
661191	661466	693590
661192	661467	693591
661193	661468	693600
661194	661469	693601
661405	661470	693602
661406	661471	693603
661407	661472	693604
661408	661492	
661409	661493	
661417	661494	
661418	661495	
661419	661496	
661420	661497	
661421	661498	
661430	661499	
661431	661500	
661432	690852	
661433	690853	
661434	690872	
661453	690873	
661454	690892	
661455	690893	
661456	693582	
661457	693583	
661460	693584	
661461	693585	
661462	693586	
661463	693587	



1. Type of Survey Geological
2. Township or Area Area of Mishibishu Lake
3. Numbers of Mining Claims Traversed by Survey SSM 661110, 661111, 661112, 661113, 661114, 661115, 661116, 661117, 661118, 661119, 661120, 661121, 661128, 661129, 661130, 661131, 661132, 661133, 661134, 661135, 661136, 661137, 661153, 661154, 661155, 661156, 661157, 661158, 661159, 661160, 661161, 661162, 661169, 661170, 661171, 661172, 661173, 661174, 661175, 661176, 661177, 661178, 661185, 661186, 661187, 661188. (see attached sheet)
4. Number of Miles of Line Cut 57.3 mi. flagged Flown -
5. Number of Stations Established -
6. Make and type of Instrument Used -
7. Scale Constant or Sensitivity -
8. Frequency Used and Power Output -

RECEIVED

9. Summary of Assessment Credits (details on reverse side) 1985
- Total 8 hour Technical Days (Include Consultants, Draughting etc.) 213
- Total 8 hour Line-Cutting Days -

MINING LANDS SECTION

Calculation

$$\frac{213}{\text{Technical}} \times 7 = \frac{1491}{\text{Line-cutting}} + \frac{1491}{\text{Line-cutting}} \div \frac{115}{\text{Number of claims}} = \frac{13}{\text{Assessment credits per claim}}$$

The dates listed on this form represent working time spent entirely within the limits of the above listed claims  Check  
If otherwise, please explain

Dated: April 3/85

Signed: [Signature]

- Note: (A) \* Complete only if applicable.  
(B) Complete list of names, addresses and dates on reverse side.  
(C) Submit separate breakdown for each type of survey.  
(D) Submit in duplicate.



SSM 661189  
661190  
661191  
661192  
661193  
~~661194~~  
661405  
661406  
661407  
661408  
~~661409~~  
661417  
661418  
661419  
661420  
~~661421~~  
661430  
661431  
661432  
661433  
~~661434~~  
661433  
661451  
661455  
661456  
~~661457~~  
661460  
661461  
661462  
661463

661464  
661465  
661466  
661467  
661468  
661469  
661470  
661471  
~~661472~~  
661492  
661493  
661494  
661495  
661496  
661497  
661498  
661499  
~~661500~~  
690852  
~~690853~~  
690872  
~~690873~~  
690892  
~~690893~~ ✓  
693582  
693583  
693584  
693585  
693586  
693587

693588  
693589  
693590  
~~693591~~  
693600  
693601  
693602  
~~693603~~  
~~693604~~





Ministry of  
Natural  
Resources

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

#68-85

2.8013

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

Mining Act

Type of Survey(s) <b>Geochemical</b>	Township or Area <b>Area of Mishibishu Lake M-7</b>
Claim Holder(s) <b>Wasabi Resources Ltd.</b>	Prospector's Licence No. <b>T986</b>
Address <b>916-111 Richmond Street W., Toronto, Ontario M5H 2G4</b>	
Survey Company <b>Wasabi Resources Ltd.</b>	Date of Survey (from Start Day   Mo.   Yr.   End Day   Mo.   Yr.) <b>08 05 83 - 27 07 83</b>
Name and Address of Author (of Geo. Technical report) <b>C.E. Page, 916-111 Richmond Street West, Toronto, Ontario M5H 2G4</b>	

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	
	- Magnetometer	
For each additional survey using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Man Days	Geophysical	Days per Claim
Complete reverse side and enter totals here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Airborne Credits	Geophysical	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys	- Electromagnetic	
	- Magnetometer	
	- Radiometric	

Mining Claims Traversed (List in numerical sequence)

Prefix	Mining Claim Number	Expend Days Cr.	Prefix	Mining Claim Number	Expend Days Cr.
SSM	661112	24			
	661114	24			
	661118	24			
	661154	24			
	661175	11			
	661188	24			
	661190	24			
	661194	24			
	690892	24			

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S. S. MARIE  
MINING DIV. 1985  
RECEIVED  
MINING CLAIMS SECTION  
APR 10 1985  
AM 7:30 10:11:12 1:23 4:50 PM

Expenditures (excludes power stripping)

Type of Work Performed <b>assays-rock</b>
Performed on Claim(s) <b>661134, 661135, 661136, 661170, 661186, 661191, 661193, 693601 et al.</b>
Calculation of Expenditure Days Credits
Total Expenditures <b>\$ 3041.65</b> ÷ <b>15</b> = <b>203</b> Total Days Credits

Total number of mining claims covered by this report of work **9**

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

For Office Use Only	
Total Days Cr. Recorded <b>203</b>	Date Recorded <b>Apr. 10/85</b> Date Approved as Recorder <i>See Revised Statement</i>
Mining Recorder <i>J. St. Jules</i>	Branch Director

Date <b>April 3/85</b>	Recorder, Holder or Agent (Signature) <i>U. Abolins</i>
---------------------------	--

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying  
**Mr. U. Abolins, 111 Richmond Street West, Toronto, Ontario M5H 2G4**

Date Certified <b>April 2/85</b>	Certified by (Signature) <i>U. Abolins P. Eng.</i>
-------------------------------------	---



Ministry of  
Natural  
Resources

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

#69-85

28013

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

Mining Act

Type of Survey(s) <b>Geophysical</b>	Township or Area <b>Area of Mishibishu Lake M-7</b>
Claim Holder(s) <b>Wasabi Resources Ltd.</b>	Prospector's Licence No. <b>T986</b>
Address <b>916-111 Richmond St. W., Toronto, Ontario M5H 2G4</b>	
Survey Company <b>Wasabi Resources Ltd.</b>	Date of Survey (from & to) 08 08 83 27 09 83 Day Mo Yr Day Mo Yr
Name and Address of Author (of Geo-Technical report) <b>C.E. Page, 916-111 Richmond St. W. Toronto, Ontario M5H 2G4</b>	Total Miles of line Cut <b>27.65</b>

Credits Requested per Each Claim in Columns at right Mining Claims Traversed (List in numerical sequence)

Special Provisions	Geophysical	Days per Claim
For first survey Enter 40 days. (This includes line cutting)	Electromagnetic	9
	Magnetometer	8
For each additional survey using the same grid. Enter 20 days (for each)	Radiometric	
	Other	
	Geological	
	Geochemical	
Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	Electromagnetic	
	Magnetometer	
	Radiometric	
	Other	
	Geological	
	Geochemical	
Airborne Credits	Geophysical	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys	Electromagnetic	
	Magnetometer	
	Radiometric	

Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.
SSM	661113		SSM	661170	
	661114			661171	
	661115			661172	
	661116			661173	
	661117			661174	
	661121			661175	
	661128			661176	
	661129			661187	
	661130			661188	
	661131			661189	
	661132			661190	
	661133			661191	
	661135			661192	
	661155			661193	
	661156			661194	
	661157			661500	
	661158			690893	
	661159			693586	
	661160				
	661161				
	661162				
	661169				

RECEIVED

MINING CLAIMS SECTION

S. S. MARIE  
MINING DIV.

RECEIVED

APR 10 1985

7 8 9 10 11 12 1 2 3 4 5 6

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

41

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures  $\div$  15 = Total Days Credits

\$   $\div$  15 =

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

For Office Use Only

Total Days Cr. Date Recorded  
697 April 10/85

Mining Recorder  
Date Approved as Recorder  
85.5.31

Date April 3/85

Recorder/Holder or Agent Signature  
U. Abolins

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

Name and Postal Address of Person Certifying  
Mr. U. Abolins, 111 Richmond St. W. Suite 916, Toronto, Ontario M5H 2G4

Date Certified April 3/85

Certifier Signature U. Abolins

1. Type of Survey Geophysical (Electromagnetic)
2. Township or Area Mishibishu Lake M-7
3. Numbers of Mining Claims Traversed by Survey SSM 661113, 661114, 661115, 661116, 661117, 661121, 661128, 661129, 661130, 661131, 661132, 661133, 661134, 661135, 661155, 661156, 661157, 661158, 661159, 661160, 661161, 661162, 661169, 661170, 661171, 661172, 661173, 661174, 661175, 661176, 661187, 661188, 661189, 661190, 661191, 661192, 661193, 661194, 661500, 690893, 693586.
4. Number of Miles of Line Cut 27.65 Flown -
- \*5. Number of Stations Established 2770
- \*6. Make and type of Instrument Used Crone Radem V.L.F. E.M.
- \*7. Scale Constant or Sensitivity + 1%
- \*8. Frequency Used and Power Output 24.8 KHZ - Seattle, Washington

9. Summary of Assessment Credits (details on reverse side)

Total 8 hour Technical Days (Include Consultants, Draughting etc.) 51

Total 8 hour Line-Cutting Days -

Calculation

$$\frac{51}{\text{Technical}} \times 7 = \frac{7}{\text{Line-cutting}} + \frac{\text{nil}}{\text{Line-cutting}} = \frac{357}{\text{Number of claims}} \div \frac{41}{\text{Assessment credits per claim}} = \frac{9}{\text{Assessment credits per claim}}$$

The dates listed on this form represent working time spent entirely within the limits of the above listed claims  Check  
 If otherwise, please explain \_\_\_\_\_

Dated: 7/2/72

Signed: [Signature]

- Note: (A) \* Complete only if applicable.  
 (B) Complete list of names, addresses and dates on reverse side.  
 (C) Submit separate breakdown for each type of survey.  
 (D) Submit in duplicate.

## Details of Assessment Work Breakdown

### FIELD WORK

<u>Type of Work</u>	<u>Name &amp; Address</u>	<u>Dates Worked</u>	<u>Number of 8 hour days</u>
E.M. Survey	N. Spink, 1610-225 Harvard St. Waterloo	May 8 - July 27/83	10
"	M. Kociumbas, 5266 Sunnyside Pl. Waterloo	May 8 - July 27/83	10
"	J. Dumbrell, 1604 - 1209 Richmond St. London	May 8 - July 27/83	8
"	M. McGuinty, 17 Sorauren Ave. Toronto	May 8 - July 27/83	8

### CONSULTANTS

<u>Name &amp; Address</u>	<u>Dates Worked (specify in field or office)</u>	<u>Number of 8 hour days</u>
C.E. Page, 916-111 Richmond St. W. Toronto	Supervisor Field & Office June 24/83 - October 1/84.	2

### DRAUGHTSMAN, TYPING, OTHERS (specify)

<u>Name &amp; Address</u>	<u>Type of Work</u>	<u>Dates Worked</u>	<u>Number of 8 hour days</u>
W. McGuinty, 17 Sorauren Ave. Toronto	- report & map Prep.	Oct. 1-30/84	9
M. Jamshedji, 1510 - 1900 Sheppard Ave. Toronto	- drafting	Oct. 8-10/84	3
P. Watson, 916-111 Richmond St. W., Toronto, Ont.	- typing	Oct. 27/84	1
<b>TOTAL 8 HOUR TECHNICAL DAYS</b>			<b>51</b>

### LINE-CUTTING

<u>Name</u>	<u>Address</u>	<u>Dates Worked</u>	<u>Number of 8 hour days</u>
<b>TOTAL 8 HOUR LINE-CUTTING DAYS</b>			



1. Type of Survey Geophysical (Magnetometer)
2. Township or Area Mishibishu Lake M-7
3. Numbers of Mining Claims Traversed by Survey SSM 661113, 661114, 661115, 661116, 661117, 661121, 661128, 661129, 661130, 661131, 661132, 661133, 661134, 661135, 661155, 661156, 661157, 661158, 661159, 661160, 661161, 661162, 661169, 661170, 661171, 661172, 661173, 661174, 661175, 661176, 661187, 661188, 661189, 661190, 661191, 661192, 661193, 661194, 661500, 690893, 693586.
4. Number of Miles of Line Cut 27.65 Flown -
- \*5. Number of Stations Established 2770
- \*6. Make and type of Instrument Used Exoloranium Unimac II Proton Magnetometer
- \*7. Scale Constant or Sensitivity + 108
- \*8. Frequency Used and Power Output -
9. Summary of Assessment Credits (details on reverse side) 48  
 Total 8 hour Technical Days (Include Consultants, Draughting etc.) 48  
 Total 8 hour Line-Cutting Days -

Calculation

$$\frac{48}{\text{Technical}} \times 7 = \frac{336}{\text{Line-cutting}} + \frac{\text{nil}}{\text{Line-cutting}} = \frac{336}{\text{Line-cutting}} \div \frac{41}{\text{Number of claims}} = \frac{8}{\text{Assessment credits per claim}}$$

The dates listed on this form represent working time spent entirely within the limits of the above listed claims  Check  
If otherwise, please explain

Dated: \_\_\_\_\_

Signed: \_\_\_\_\_

- Note:
- (A) \* Complete only if applicable.
  - (B) Complete list of names, addresses and dates on reverse side.
  - (C) Submit separate breakdown for each type of survey.
  - (D) Submit in duplicate.

## Details of Assessment Work Breakdown

### FIELD WORK

<u>Type of Work</u>	<u>Name &amp; Address</u>	<u>Dates Worked</u>	<u>Number of 8 hour days</u>
Mag Survey	N. Spink, 1610-225 Harvard St. Waterloo	May 8 - July 27/83	10
"	M. Kociarbus, 5266 Sunnysdale Pl. Waterloo	May 8 - July 27/83	10
"	J. Dumbrell, 1604 Richmond St. London	May 8 - July 27/83	8
"	W. McGuinty, 17 Sorauren Ave., Toronto	May 8 - July 27/83	8

### CONSULTANTS

<u>Name &amp; Address</u>	<u>Dates Worked (specify in field or office)</u>	<u>Number of 8 hour days</u>
C.E. Pace	916-1111 Richmond St. W. Toronto - Supervisor	
	Field & Office June 23/83 - October 2/84.	2

### DRAUGHTSMAN, TYPING, OTHERS (specify)

<u>Name &amp; Address</u>	<u>Type of Work</u>	<u>Dates Worked</u>	<u>Number of 8 hour days</u>
W. McGuinty, 17 Sorauren Ave., Toronto,	report & map prep.	Oct. 1-30/84	7
M. Jamshedji, 1510-1900 Shepard Ave., Toronto,	drafting	Oct. 11-15/84	2
P. Watson, 916-1111 Richmond St. W. Toronto,	typing	Oct. 28/84	1

TOTAL 8 HOUR TECHNICAL DAYS 48

### LINE-CUTTING

<u>Name</u>	<u>Address</u>	<u>Dates Worked</u>	<u>Number of 8 hour days</u>

TOTAL 8 HOUR LINE-CUTTING DAYS

April 30, 1985

File: 2.8013

Wasabi Resources Ltd  
Suite 916  
111 Richmond Street West  
Toronto, Ontario  
M5H 2G4

Dear Sirs:

RE: Geophysical (Magnetometer & Electromagnetic)  
Survey submitted on Mining Claims SSM 65113,  
et al, in the Mishibishu Lake Area

---

Examination of your Magnetometer & Electromagnetic reports and maps covering the above-mentioned mining claims, reveals that assessment of your requested credits may not be considered using the Special Provisions method. This is due to the lack of substantial and systematic coverage of each claim in your survey.

Credits will be allowed, however, under the Man-day method provided you complete and return the enclosed Man-day breakdown form.

When returning the above, please quote file 2.8013.

For further information, please contact Susan Hurst at (416)965-4888.

Yours sincerely,

S.E. Yundt  
Director  
Land Management Branch

Whitney Block, Room 6643  
Queen's Park  
Toronto, Ontario  
M7A 1W3  
Phone:(416)965-4888

S. Hurst:mc

cc: Mining Recorder  
Sault Ste. Marie, Ontario  
File:(69-85)

Encl.

TELEPHONE  
(416) 593-3182

SUITE 916  
111 RICHMOND STREET WEST  
TORONTO, ONTARIO  
M5H 2G4

CABLE: PROMANS  
TELEX: 06-219521

May 9, 1985

Ms. S. Hurst  
Whitney Block, Room 6643  
Queen's Park  
TORONTO, Ontario  
M7A 1W3

RECEIVED

MAY 13 1985

MINING LANDS SECTION


Dear Ms. Hurst:

Re: File 2.8013

As requested, geophysical surveys (magnetometer and electromagnetic) on claims held by Wasabi Resources Ltd. in the Mishibishu Area have been broken-down under the Man-day method.

Yours truly,

WASABI RESOURCES LTD.

  
Uldis Abolins P.Eng.

UA:pw



1985 06 03

Your File: 68-85  
Our File: 2.8013

Mining Recorder  
Ministry of Natural Resources  
875 Queen Street East  
Box 669  
Sault Ste. Marie, Ontario  
P6A 5N2

Dear Madam:

RE: Assaying submitted under Section 77(19)  
of the Mining Act RSO 1980, on Mining  
Claims SSM 66110, et al, in the Area  
of Mishibishu Lake

---

The enclosed statement of assessment work credits  
for assaying expenditures has been approved as of  
the above date.

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

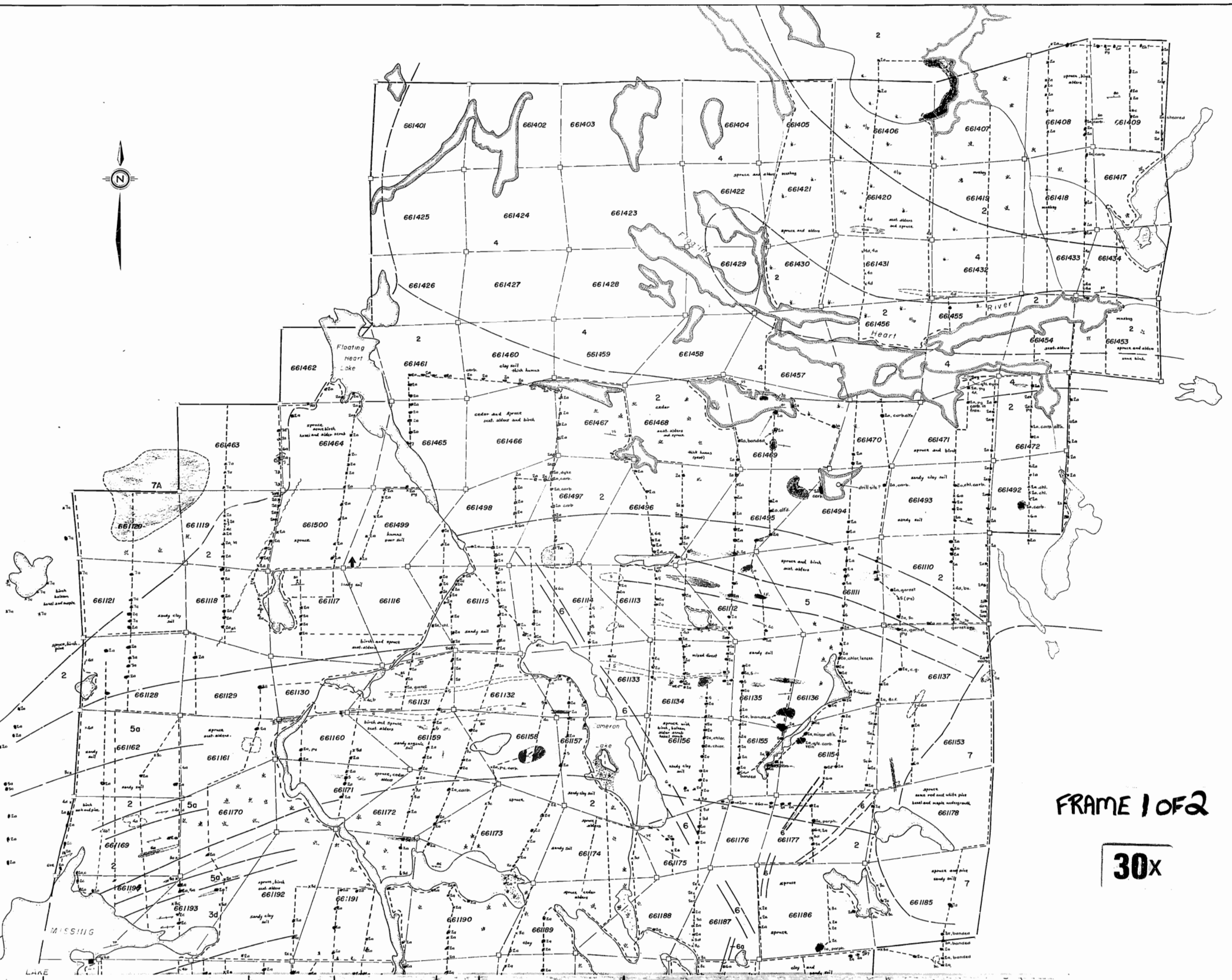
Yours sincerely,

S.E. Yundt.  
Director  
Land Management Branch

Whitney Block, Room 6643  
Queen's Park  
Toronto, Ontario  
M7A 1W3  
Phone:(416)965-4888

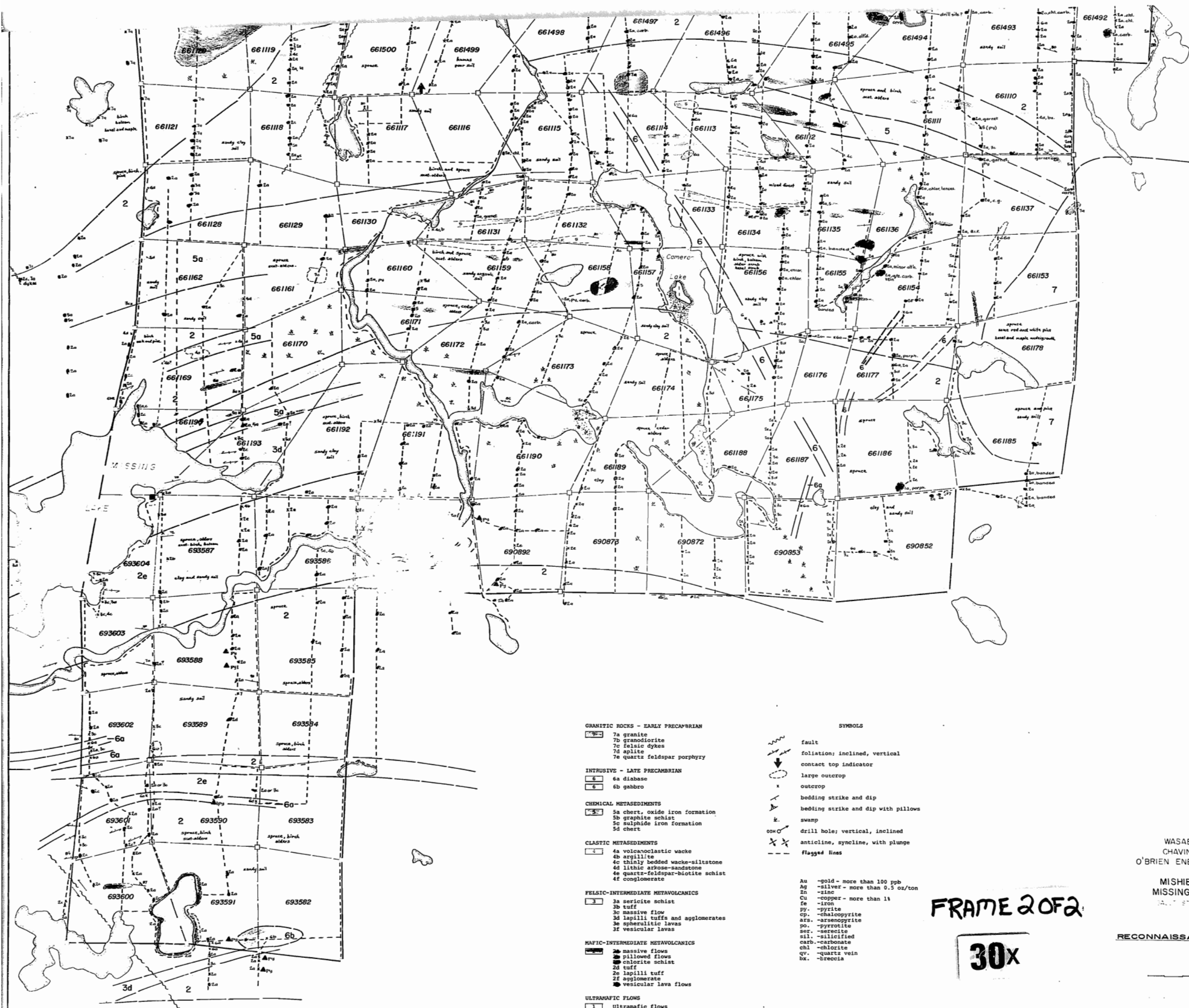
S. Hurst:mc

cc: Wasabi Resources Ltd  
Suite 916  
111 Richmond Street West  
Toronto, Ontario  
M5H 2G4  
Attention: Mr. U. Abolins  
cc: Resident Geologist  
Sault Ste. Marie, Ontario  
Encl.



FRAME 1 OF 2

30x



- GRANITIC ROCKS - EARLY PRECAMBRIAN**
- 7a granite
  - 7b granodiorite
  - 7c felsic dykes
  - 7d aplite
  - 7e quartz feldspar porphyry
- INTRUSIVE - LATE PRECAMBRIAN**
- 6a diabase
  - 6b gabbro
- CHEMICAL METASEDIMENTS**
- 5a chert, oxide iron formation
  - 5b graphite schist
  - 5c sulphide iron formation
  - 5d chert
- CLASTIC METASEDIMENTS**
- 4a volcanoclastic wacke
  - 4b argillite
  - 4c thinly bedded wacke-siltstone
  - 4d lithic arkose-sandstone
  - 4e quartz-feldspar-biotite schist
  - 4f conglomerate
- FELSIC-INTERMEDIATE METAVOLCANICS**
- 3a sericite schist
  - 3b tuff
  - 3c massive flow
  - 3d lapilli tuffs and agglomerates
  - 3e spherulitic lavas
  - 3f vesicular lavas
- MAFIC-INTERMEDIATE METAVOLCANICS**
- 2a massive flows
  - 2b pillowed flows
  - 2c chlorite schist
  - 2d tuff
  - 2e lapilli tuff
  - 2f agglomerate
  - 2g vesicular lava flows
- ULTRAMAFIC FLOWS**
- 1 Ultramafic flows

- SYMBOLS**
- fault
  - foliation: inclined, vertical
  - contact top indicator
  - large outcrop
  - outcrop
  - bedding strike and dip
  - bedding strike and dip with pillows
  - swamp
  - drill hole; vertical, inclined
  - anticline, syncline, with plunge
  - flagged lines

- Au -gold - more than 100 ppb
- Ag -silver - more than 0.5 oz/ton
- Zn -zinc
- Cu -copper - more than 1%
- Fe -iron
- Py -pyrite
- Ch -chalcopyrite
- As -arsenopyrite
- Po -pyrrhotite
- Ser -sericite
- Sil -silicified
- Carb -carbonate
- Chl -chlorite
- Qz -quartz vein
- Bx -breccia

WASAB; RESOURCES LTD  
 CHAVIN OF CANADA LTD  
 O'BRIEN ENERGY & RESOURCES LTD.

MISHIBISHU LAKE AREA  
 MISSING LAKE PROPERTY  
 ALL ST WERE MNAS DIVISON

RECONNAISSANCE GEOLOGY MAP

FRAME 2 OF 2

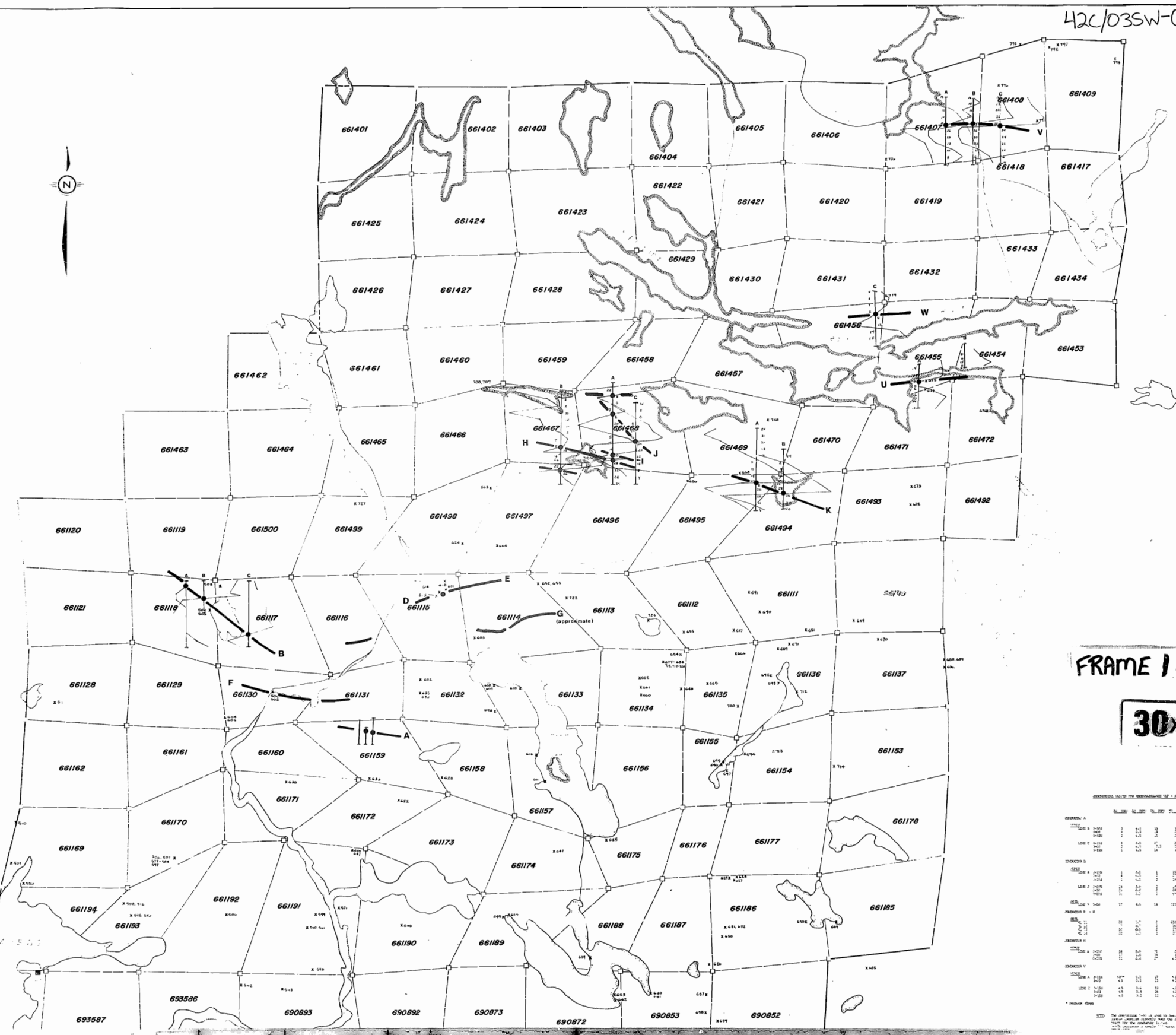
30x

1" = 500 FT

42C/03SW-0029, #1

CER 2002 Oct 14



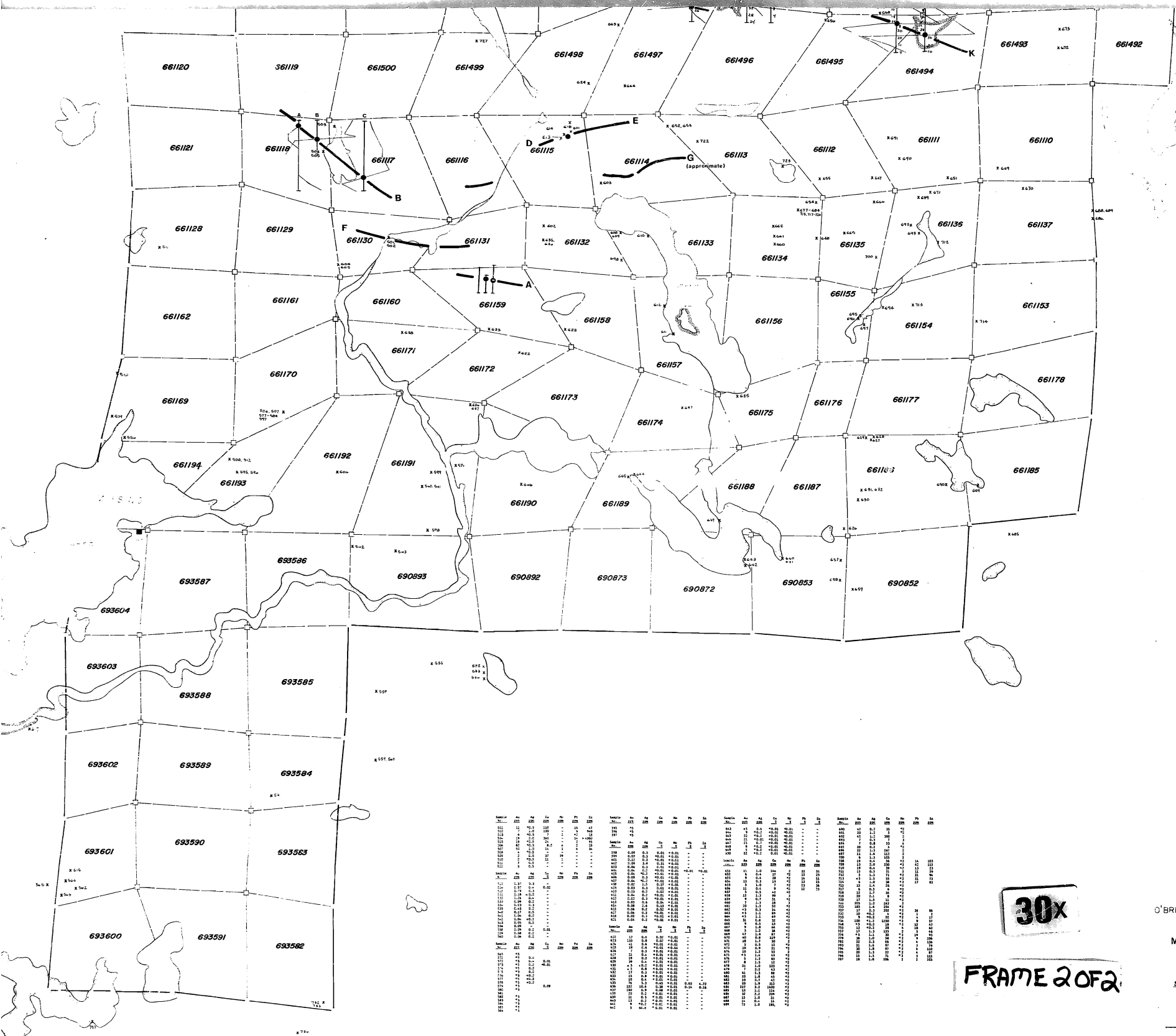


FRAME 1 OF 2

30x

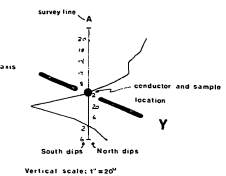
GENERAL DATA FOR THE REFINEMENT OF A SURVEY

SECTION	AREA	PERCENTAGE	AREA	PERCENTAGE	AREA	PERCENTAGE	AREA	PERCENTAGE
SECTION A	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
SECTION B	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
SECTION C	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
SECTION D	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
SECTION E	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
SECTION F	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
SECTION G	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
SECTION H	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
SECTION I	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
SECTION J	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
SECTION K	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
SECTION L	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
SECTION M	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
SECTION N	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
SECTION O	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
SECTION P	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
SECTION Q	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
SECTION R	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
SECTION S	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
SECTION T	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
SECTION U	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
SECTION V	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00



Geological Units and Representative Lithology

Geological Unit	Symbol	Color	Approx. Lithology	Approx. Age
Geological Unit A	(Symbol)	(Color)	(Lithology)	(Age)
Geological Unit B	(Symbol)	(Color)	(Lithology)	(Age)
Geological Unit C	(Symbol)	(Color)	(Lithology)	(Age)
Geological Unit D	(Symbol)	(Color)	(Lithology)	(Age)
Geological Unit E	(Symbol)	(Color)	(Lithology)	(Age)
Geological Unit F	(Symbol)	(Color)	(Lithology)	(Age)
Geological Unit G	(Symbol)	(Color)	(Lithology)	(Age)
Geological Unit H	(Symbol)	(Color)	(Lithology)	(Age)
Geological Unit I	(Symbol)	(Color)	(Lithology)	(Age)
Geological Unit J	(Symbol)	(Color)	(Lithology)	(Age)
Geological Unit K	(Symbol)	(Color)	(Lithology)	(Age)



Vertical scale: 1"=20'

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MISHIBISHU LAKE AREA  
 MISSING LAKE PROPERTY  
 A. J. B. MAPS & CONSULTANTS

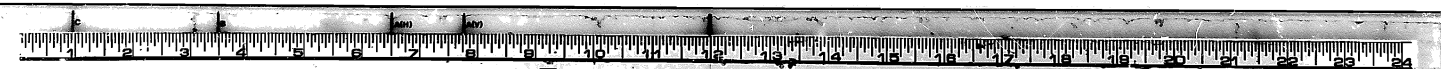
SAMPLE LOCATION MAP

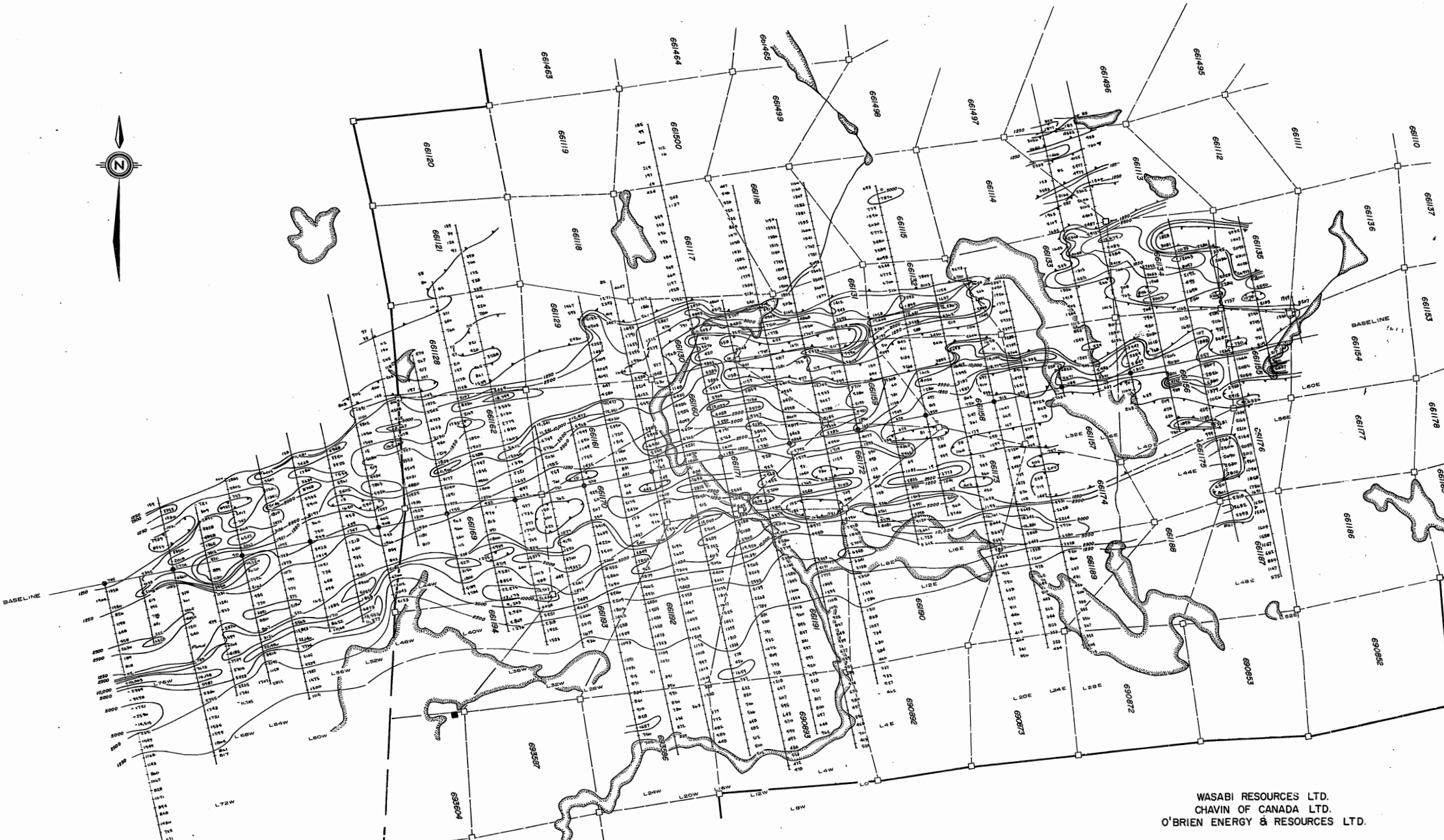
30x

FRAME 2 OF 2

42c/035N-0029, #2

1:5000 FT





**LEGEND**

- Base stations (hc)
- ⊗ Base stations (60y)
- Magnetic depression
- Negative readings plotted to left of line
- + Positive readings plotted to right of line

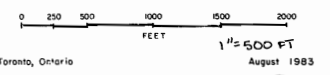
INSTRUMENT : UNIMAG II G-486

Covering dates of survey : Sept. 15 - Oct. 15, 1983

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MISHIBISHI LAKE AREA  
 MISSING LAKE PROPERTY  
 SAULT ST. MARIE MINING DIVISION

**MAGNETOMETER SURVEY**



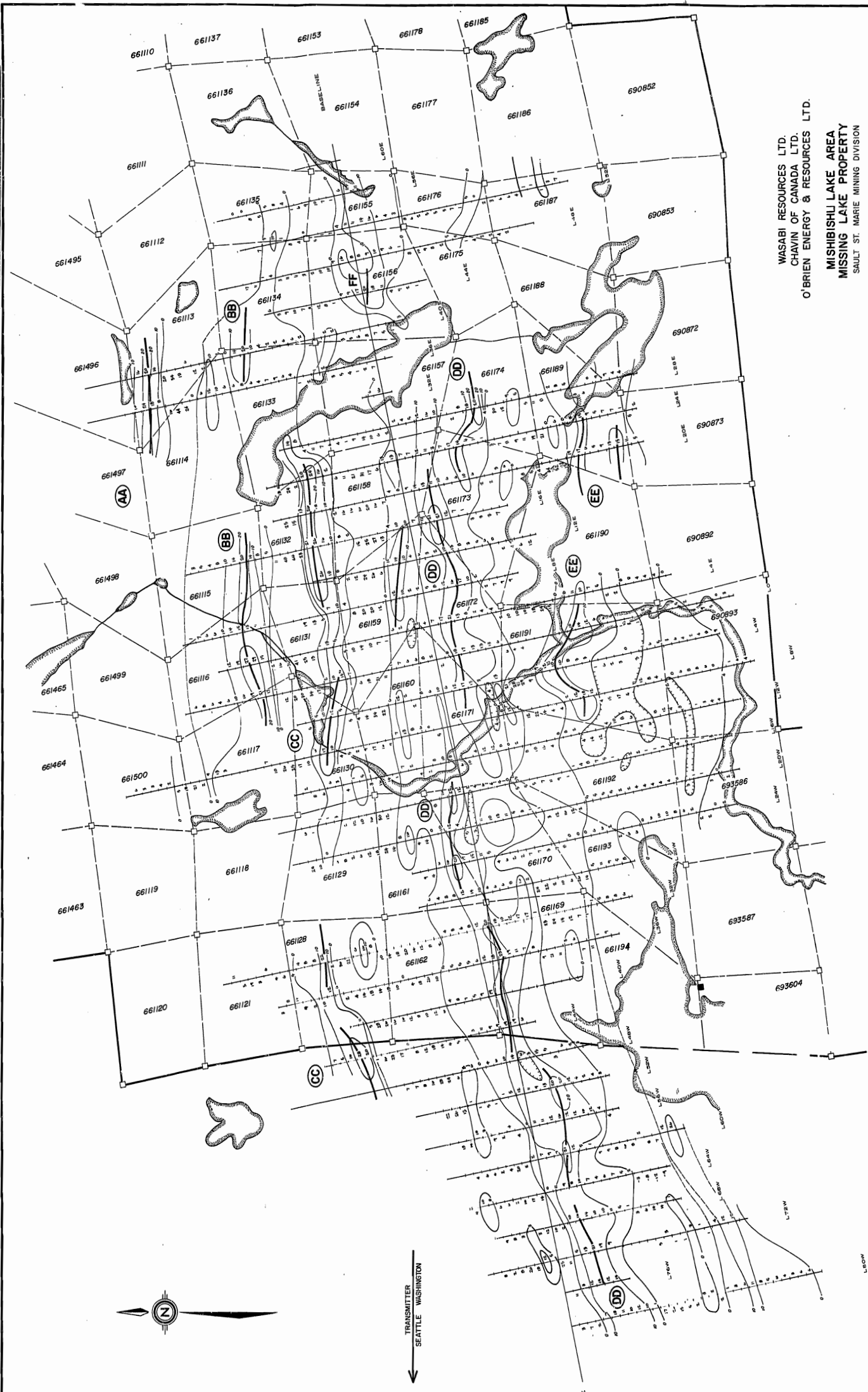
**24x**

42C/O3SW-0029, #3



Toronto, Ontario August 1983

Kodak



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 SAULT ST. MARIE MINING DIVISION

CRONE RADEM V.L.F. EM SURVEY  
 FRASER FILTERED

CONDUCTOR AXIS : (AA)  
 INSTRUMENT : Crone Radem E.M.  
 TRANSMITTER STATION : Seattle, Washington

Covering dates of survey : Sept. 15 to Oct. 15, 1985

0 250 500 1000 2000  
 FEET  
 1" = 500 FT  
 August 1985  
 Toronto, Ontario  
 CRONE RADEM

H2C/O3SN-0029, #4

24x



