



52F15SW0003 2.17568 VAN HORNE

010

**REPORT ON GEOPHYSICAL SURVEYS  
ON THE VAN HORNE CLAIMS  
VAN HORNE AND AUBREY TOWNSHIPS, ONTARIO  
for  
CHAMPION BEAR RESOURCES LTD.**

July, 1997 Seymour M. Sears

*2004  
2.59.14*

2.17568

RECEIVED  
AUG 13 1997  
MINING LANDS BRANCH

RECEIVED  
AUG 01 1997  
12:45 P.M.  
MINING LANDS BRANCH

*dh*

## SUMMARY

Ground magnetometer and VLF-EM surveys were carried out over a nineteen claim unit property in Van Horne and Aubrey Township, northwestern Ontario. The claims are referred to as the Van Horne Property. The claims are wholly owned by Champion Bear Resources Ltd. They are situated 12 kms east of the Plomp Farm Gold property in a similar lithological setting. The work was designed as part of a preliminary evaluation of the property.

According to published geological maps (Moorhouse, 1939; Satterly, 1941) the rocks exposed on the property include clastic metasediments, iron formation, minor pegmatitic granitic dykes and possibly mafic volcanic or intrusive rocks (projected from adjacent exposures). The ground geophysical surveys have outlined a number of conductive features that should be followed up by prospecting and geological mapping.

Respectfully submitted,



Wawa, Ontario  
July, 1997

Seymour M. Sears, B.A., B.Sc.  
Geologist

**TABLE OF CONTENTS**

	PAGE
SUMMARY . . . . .	i
INTRODUCTION . . . . .	1
PROPERTY LOCATION AND ACCESS . . . . .	1
REGIONAL AND PROPERTY GEOLOGY . . . . .	1
WORK HISTORY . . . . .	4
WORK PROGRAM AND RESULTS . . . . .	4
CONCLUSIONS AND RECOMMENDATIONS . . . . .	6
STATEMENT OF QUALIFICATIONS . . . . .	7
REFERENCES . . . . .	8

**TABLE OF FIGURES**

Fig. 1. REGIONAL LOCATION MAP . . . . .	2
Fig. 2. PROPERTY LOCATION MAP . . . . .	3

**LIST OF MAPS**

Map 1) GROUND MAGNETOMETER SURVEY . . . . .	Back Pocket
Map 2) VLF-EM SURVEY (Profile Data) . . . . .	Back Pocket
Map 3) VLF-EM (Fraser Filtered Data) . . . . .	Back Pocket



52F15SW0003 2.17568 VAN HORNE

## INTRODUCTION

This report presents a summary of the results from a work program carried out from March to July, 1997 on the Van Horne Property of Champion Bear Resources Ltd. The work was carried out by personnel of Sears, Barry and Associates Ltd. Accommodation was provided at the Champion Bear Resources Ltd. base camp at Minitaki South.

### PROPERTY, LOCATION AND ACCESS

The Van Horne Claim Group is located 6 kms west of Dryden, Ontario (Fig 1). It is situated in Aubrey and Van Horne townships (Fig 2). The group consists of nineteen (19) claim units in five (5) individual claims. The claims are numbered as follows:

K 1178285 (8 units)  
K 1178286 (4 units)  
K 1178375 (1 unit)  
K 1178376 (4 units)  
K 1178377 (2 units)

Highway 597 passes through the south part of the claim group. Several farm and logging access roads provide off road vehicle access to most of the property. The CPR Railway, Trans Canada Highway and Trans Canada Pipeline all pass within 5 kilometres of the north boundary of the property. A meandering, east-west trending, swampy creek divides the claim group through the middle and effectively conceals what is projected to be the most favourable area of bedrock.

### REGIONAL AND PROPERTY GEOLOGY

The Van Horne Property is underlain by Archean Aged rocks of the Superior Province of the Canadian Shield. From regional mapping (Moorhouse, 1939; Satterly, 1943) the claims are underlain by an east-west trending sequence of metasedimentary rocks with interlayered iron formation and possible narrow bands of mafic volcanic or intrusive rocks. The metasediments are considered to be part of the Warclub Group (Parker, 1993). This group of metasedimentary rocks hosts the Thunder Lake gold prospect of Teck /Corona (25 kms east) as well as Champion Bear's Plomp Farm gold/silver prospect (12 kms west).

Gold mineralization in the area occurs in various lithological and structural settings (Chorlton, 1988). These include 1) quartz and quartz-carbonate veins; 2) silicified zones and quartz veins associated with shear zones; and 3) sulphide ironstone. Most of the known deposits and prospects in the general area appear to be spatially related to faults and shears that branch out from or parallel a major northeast trending structure known as the Wabigoon Fault System. This structure passes immediately to the south of the property. There also appears to be a strong association between gold mineralization and felsic intrusive rocks.

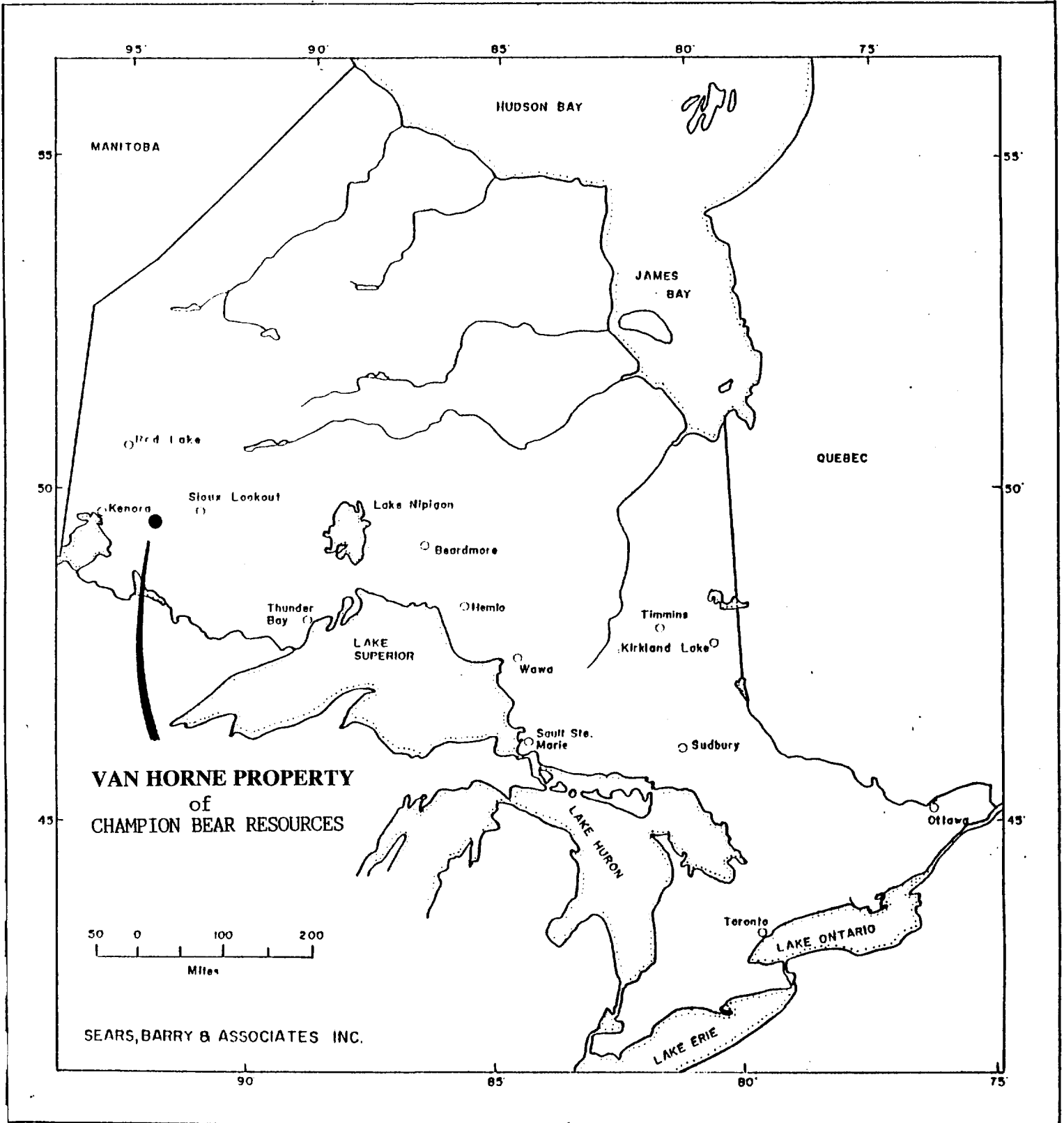


Fig. 1: Regional Location Map of Ontario.

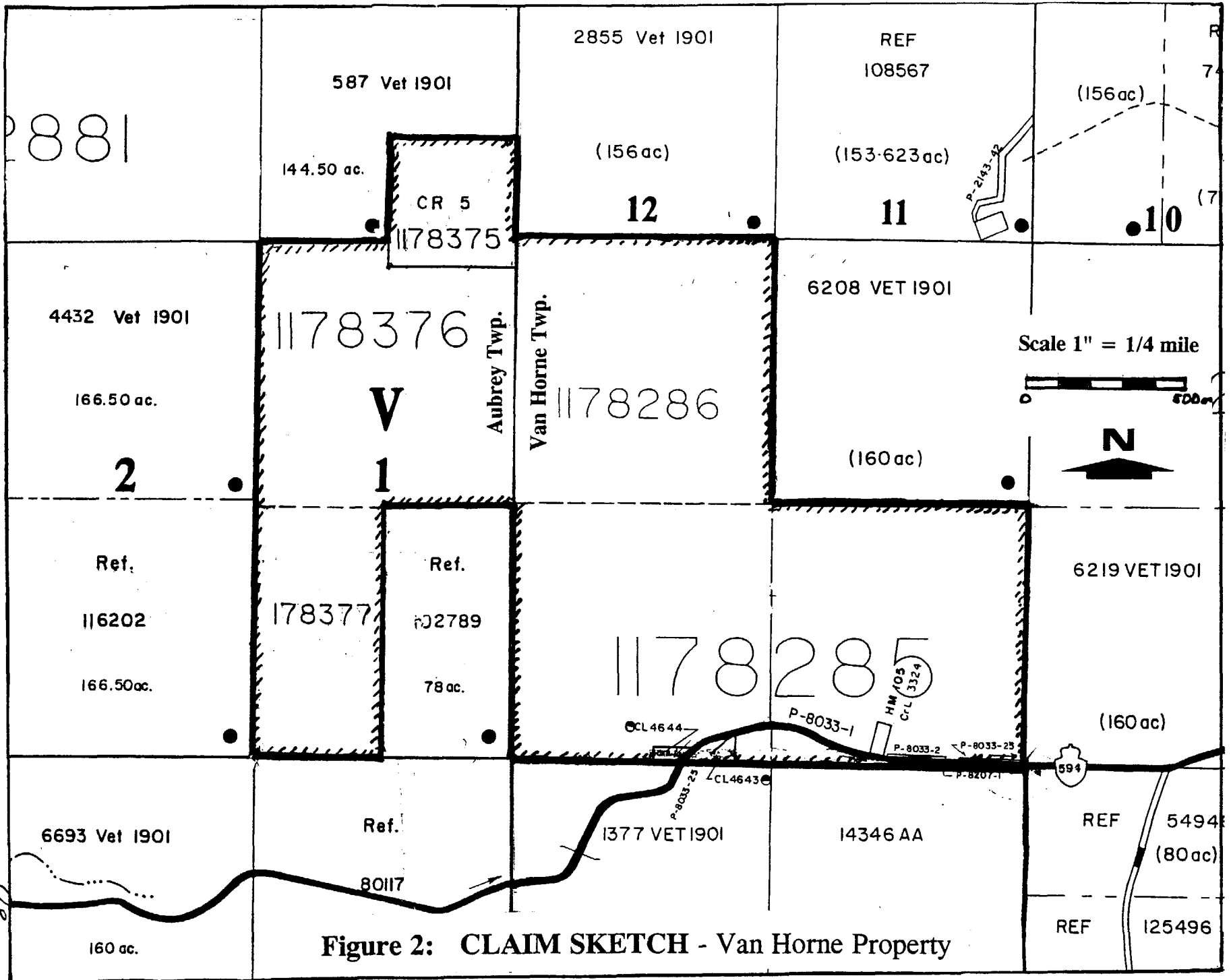


Figure 2: CLAIM SKETCH - Van Horne Property

There are no known gold occurrences on the claim group.

## **WORK HISTORY**

There has been no assessment work previously reported on the property. The eastern part of the property that lies in Van Horne Township was included in a geological mapping project carried out by J. Satterly for the Ontario Department of Mines (1939). The western part of the property - that lying in Aubrey Township was included in a geological survey by W.W. Moorhouse for the Ontario Department of Mines (1943).

## **WORK PROGRAM AND RESULTS**

### **Overview**

The 1997 work program on the VanHorne Property involved ground magnetometer and VLF-EM surveys. A flagged control grid was established using an east-west baseline and tieline (3.1 kms) and north-south crosslines at 100 metre spacing (26.3 kms). The work is summarized as follows:

### **Magnetometer Survey**

The ground magnetometer survey was completed using a Geometrics G-816 Portable Proton Magnetometer. This instrument measures the total intensity of the earth's magnetic field in gammas. A Geometrics G-856A recording Base Station magnetometer was used during the survey to monitor the diurnal variations of the magnetic field. This data was then utilized for correcting the field data. The Base Station was located at Grid location 00 along the Baseline. It had a value of 58,733 gammas.

Magnetic intensities were observed at 12.5 metre intervals along the 100 metre spaced grid lines. The diurnally corrected data was plotted at a scale of 1:2500 and contoured (Map 1).

The survey shows three distinct patterns of magnetic intensity. These include a zone of high values in the extreme northern part of the property containing values ranging from 58900 to 60593 gammas. This area is assumed to be underlain by oxide facies iron formation. To the south of this area and occupying the center of the claim group lies a relatively uniform zone having a background from 58800 to 58900 gammas with scattered higher and lower zones of limited lateral extent. This area probably represents the most favourable part of the property, probably underlain by mixed metasedimentary rocks with volcanic and intrusive lenses and layers. The southern part of the property contains a background ranging from 58700 to 58800 gammas and includes scattered linear zones of higher and lower intensity. This is probably underlain by metasedimentary rocks with local iron formation and possible mafic volcanics.

### **VLF-EM Survey**

The VLF-EM survey utilized a Geonics EM-16 VLF-EM instrument. As with any VLF-EM method,

the instrument measures certain components of the electromagnetic fields set up by communication stations operating in the 15 to 30 kHz frequency range. For this survey, the Cutler, Maine (NAA) transmitting station (24.0 KHz) was utilized. When the radio waves from this station encounter conductive bodies in the ground, eddy currents are induced creating secondary fields in the area of these conductors. The EM-16 measures in-phase and quadrature-phase portions of the vertical components of these secondary electromagnetic fields, as a percentage of the primary field of the original signal.

Data was collected at 25 metre spacing along the crosslines. The VLF-EM dip angle data is plotted in Profile form at a scale of 1:2500 on Map 2. Fraser Filtered VLF-EM data is presented in Map 3. The Fraser Filtered features are labeled for reference purposes.

The survey shows numerous linear to arcuate features having a general east west trend. Some of these appear to be legitimate bedrock related features. Others are probably due to overburden and topographical effects. Following are brief discussions of the stronger conductive features outlined by the Fraser filtered data Map 3).

Conductor "A" extends from 1550 N, L 700 E to 1550 N, L 300 W. It is a narrow linear anomaly extending across the property; moderate to strong; coincident with a magnetic high; probable cause - chert-magnetite Iron Formation

Conductor "B" extends from 1400 N, L 700 W to 1375 N, L 300 W. It is also narrow and linear, moderate to strong and crosses through the property. It is located adjacent to the magnetic high in the north part of the claim group but has no particular magnetic association; probable cause - geological contact with sulphides.

Conductor "C" is a north bending arc shaped feature extending from 1100 N, L 1000 W to 1075 N, L 100 W. It is irregularly shaped from narrow linear and strong to broad and weak; relatively weak overall; no magnetic association; probable cause - swamp.

Conductor "D" crosses the property from 950 N, L 1100 W to 800 N, L 400 E and has an irregular shaped branch extending from 800 N, L 1100 W to 950 N, L 300 W; generally weak with scattered stronger local sections; parallel to and on the south flank of a weak magnetic high on the east end; probable cause - swamp.

Conductor "E" extends from 425 N, L 1100 W to 750 N, L 100 W. Relatively broad anomaly with strong narrow linear core; irregular shape; possibly associated with a contact zone defined by a subtle change in magnetic data; also correlates with the bottom of a cliff and the edge of a swamp; probable cause - swamp edge.

Conductor "F" arcs northward from 550 N, L 400 W to 575 N, L 200 W and then tails off eastward into a small pond; it may possibly continue north of the property boundary and reappear from 525 N, L 1000 E to 500 N, L 1200 E. It is narrow and linear; strong; associated with a sporadic weak magnetic high trend; probable cause - Iron Formation enhanced by topography.



Conductor "G" arcs southward from 375 N, L 300 W to 400 N, L 700 W and possibly continuing from 275 N, L 900 E to 225 N, L 1200 E. Moderate to strong, weaker in eastern extension; narrow, linear with disruption in strike from L 400 E to L 800 E; no particular magnetic association; probable cause - conductive overburden.

Conductor "H" extends from 150 S, L 300 W to 150 S, L 00 and then strikes into an area of no coverage due to houses and other cultural features; relatively broad with strong, narrow, linear core; associated with a sporadic magnetic high trend on the south flank of a narrow linear magnetic low; probable cause - ironstone, bedrock.

Conductor "I" extends from 50 N, L 1100 W to 25 S, L 1000 W. It is generally broad, moderate to strong. No magnetic association; probable cause - swamp at bottom of cliff.

Conductor "J" extends from 250 S, L 1100 W to 200 S, L 1000 W. Relatively broad anomaly with a strong, narrow linear core; likely to be the continuation of feature "H"; probable cause - ironstone, bedrock.

### CONCLUSIONS AND RECOMMENDATIONS

An exploration program consisting of ground magnetometer and VLF-EM surveys was carried out on the Van Horne property of Champion Bear Resources Limited, 6 kilometers west of Dryden, Ontario. The property consists of 19 contiguous, unpatented mining claims located in Aubrey and Van Horne Townships, northwestern Ontario.

The claim group is underlain by east-west trending metasedimentary rocks with interpreted local felsic to mafic intrusive and volcanic rocks and iron formation. The surveys indicate that the property is underlain by rocks that may be favourable for hosting structurally and stratigraphically controlled gold mineralization. A number of linear features were defined by ground magnetic and VLF-EM surveys. The property should be covered by routine prospecting and reconnaissance geological mapping.

Wawa, Ontario  
July, 1997

Respectfully Submitted,



Seymour M. Sears, B.A., B.Sc.  
Geologist

**STATEMENT OF QUALIFICATIONS**

I, Seymour M. Sears, of Wawa, Ontario do certify that:

1. I am a consulting geologist for Sears, Barry and Associates Ltd., P.O. Box 2058, Wawa, Ontario.
2. I am a B. Sc. Graduate in Geology and a B. A. Graduate in Psychology from Mount Allison University, Sackville, New Brunswick.
3. I have been practicing my profession continuously since 1972.
4. I am a Fellow of the Geological Association of Canada.
5. I have not received nor do I expect to receive any interest or securities, direct or indirect in the Van Horne Property or other properties of Champion Bear Resources Limited nor any properties of affiliated companies.

July, 1997

Respectfully submitted,



22 Caverhill Street  
P.O. Box 2058  
Wawa, Ontario  
POS 1K0

Seymour M. Sears, B.A., B.Sc.  
Geologist

**REFERENCES**

Moorhouse, W.W.

1939 Geology of the Eagle Lake Area; Ontario Department of Mines, Forty Eighth Annual Report, Vol XLVIII, Part IV. 1939.

Satterly, J.

1943 Geology of the Dryden-Wabigoon Area; Ontario Department of Mines, Annual Report, 1941, vol 50, Part 2, pp1-67.

Ontario Division of Mines

1979: Kenora-Fort Francis Area, Geological Compilation Series, Kenora and Sioux Lookout Districts. Map 2443.  
Scale 1" = 4 mi.



Ministry of Northern Development and Mines

# Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use)  
*W. 9710. 00263*  
 Assessment Files Research Imaging

Personal information  
 Mining Act, the infor  
 Questions about th  
 933 Ramsey Lake F



52F15SW0003 2.17568 VAN HORNE

and 66(3) of the Mining Act. Under section 8 of the  
 work and correspond with the mining land holder.  
 Northern Development and Mines, 6th Floor,

900

n, use form 0240.

**2.17568**

**Instructions:**

- Please type or print in ink.

**1. Recorded holder(s) (Attach a list if necessary)**

Name <i>Champion Bear Resources Ltd.</i>	Client Number <i>116945</i>
Address <i>2005 - 9th St. S.W., Calgary Alberta, T2T 3C4</i>	Telephone Number <i>(403) 229-9522</i>
	Fax Number <i>(403) 229-9518</i>
Name	Client Number
Address	Telephone Number
	Fax Number

**2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.**

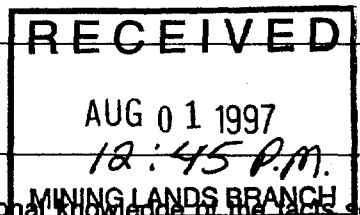
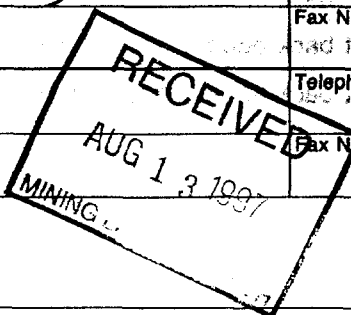
Geotechnical: prospecting, surveys, assays and work under section 18 (regs)       Physical: drilling, stripping, trenching and associated assays       Rehabilitation

Work Type <i>Geophysical Surveys (ground Mag and VLF-EM).</i>	Office Use
	Commodity
	Total \$ Value of Work Claimed <i>\$ 8334</i>
Dates Work Performed From <i>15 03 97</i> To <i>20 07 97</i>	NTS Reference
Global Positioning System Data (if available)	Mining Division <i>KENDRA</i>
Township/Area <i>Aubrey Twp / Van Horne Twp</i>	Resident Geologist District <i>KENDRA</i>
M or G-Plan Number <i>G-810 / G-839</i>	

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required;  
 - provide proper notice to surface rights holders before starting work;  
 - complete and attach a Statement of Costs, form 0212;  
 - provide a map showing contiguous mining lands that are linked for assigning work;  
 - include two copies of your technical report.

**3. Person or companies who prepared the technical report (Attach a list if necessary)**

Name <i>Sears Barry &amp; Associates Ltd</i>	Telephone Number <i>(705) 856-2018</i>
Address <i>Box 2058, Wawa, Ontario, P0S 1K0</i>	Fax Number <i>(705) 856-1141</i>
Name <i>Seymour M. Sears</i>	Telephone Number <i>(same)</i>
Address <i>(same)</i>	Fax Number <i>(same)</i>
Name	Telephone Number
Address	Fax Number



**4. Certification by Recorded Holder or Agent**

I, *Seymour M. Sears* (Print Name), do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent <i>[Signature]</i>	Date <i>July 30/97</i>
Agent's Address <i>Box 2058 Wawa, Ontario, P0S 1K0</i>	Telephone Number <i>(705) 856-2018</i>
	Fax Number <i>(705) 856-1147</i>

*Norman Mont 30/97*

5. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

W. 9710-00263

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date.
eg TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
eg 1234567	12	0	\$24,000	0	0
eg 1234568	2	\$8,892	\$4,000	0	\$4,892
1 K 1178285	8	\$4000	\$3200	\$66	\$734
2 K 1178286	4	\$1250	\$1600	0	
3 K 1178375	1	\$668	\$400	\$268	
4 K 1178376	4	\$1833	\$1600	\$233	
5 K 1178377	2	\$583	\$800	0	
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
Column Totals		\$8334	\$7600	\$567	\$734

RECEIVED  
AUG 13 1997  
MINING LANDS BRANCH

2.17568

I, Seymour M. Sears, do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing [Signature] Date July 31/97  
(S. Sears)

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (X) in the boxes below to show how you wish to prioritize the deletion of credits:

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

RECEIVED  
AUG 01 1997  
12:45 P.M.  
MINING LANDS BRANCH

Note: If you have not indicated how your credits are to be deleted, credits will be cut back followed by option number 2 if necessary.

**For Office Use Only**

Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
Approved for Recording by Mining Recorder (Signature)		

Personal information collected on this form is obtained under the authority of subsection 8(1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 8th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

2.17568

Work Type	Units of Work <small>Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.</small>	Cost Per Unit	Total Cost
Flagging Grid Lines	29.4 Kms	\$ 100 <sup>00</sup>	\$ 2940 <sup>00</sup>
Geophysical Surveys (Mag/VLFEM)	26.3 Km	\$ 150 <sup>00</sup>	\$ 3945 <sup>00</sup>
Report Writing, Drifting etc	5 Man Days	\$ 200 <sup>00</sup>	\$ 1000 <sup>00</sup>
			2.17568
<b>Associated Costs (e.g. supplies, mobilization and demobilization).</b>			
Mylar + Printing Maps (1 invoice)		\$ 85.20	\$ 85.20
<b>Transportation Costs</b>			
Vehicle (380 km)		\$ 0.30	\$ 114.00
<b>Food and Lodging Costs</b>			
5 man days (drifting & reports)		\$ 50.00	\$ 250.00
<b>Total Value of Assessment Work</b>			<b>8,334.20</b>

Calculations of Filing Discounts:

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

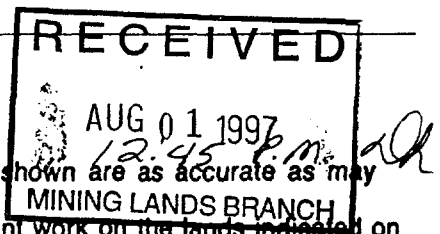
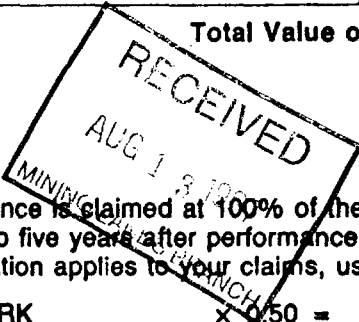
TOTAL VALUE OF ASSESSMENT WORK  $\times 0.50 =$  Total \$ value of worked claimed.

Note:

- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:

I, Seymour M. Sears, do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as agent I am authorized to make this certification.



Signature 	Date July 31/97
---------------	--------------------

October 15, 1997

CHAMPION BEAR RESOURCES LTD.  
2005-9TH STREET, S.,W.,  
CALGARY, ALBERTA  
T2T-3C4

Geoscience Assessment Office  
933 Ramsey Lake Road  
6th Floor  
Sudbury, Ontario  
P3E 6B5

Telephone: (888) 415-9846  
Fax: (705) 670-5863

Dear Sir or Madam:

**Submission Number: 2.17568**

**Status**

**Subject: Transaction Number(s):** W9710.00263 Deemed Approval

---

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. **WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.**

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice.

Please note any revisions must be submitted in **DUPLICATE** to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact Steve Beneteau by e-mail at [beneteau\\_s@torv05.ndm.gov.on.ca](mailto:beneteau_s@torv05.ndm.gov.on.ca) or by telephone at (705) 670-5855.

Yours sincerely,



ORIGINAL SIGNED BY  
Blair Kite  
Supervisor, Geoscience Assessment Office  
Mining Lands Section

# Work Report Assessment Results

**Submission Number:** 2.17568

**Date Correspondence Sent:** October 15, 1997

**Assessor:** Steve Beneteau

<b>Transaction Number</b>	<b>First Claim Number</b>	<b>Township(s) / Area(s)</b>	<b>Status</b>	<b>Approval Date</b>
W9710.00263	1178285	AUBREY, VAN HORNE	Deemed Approval	October 15, 1997

**Section:**

14 Geophysical MAG

14 Geophysical VLF

**Correspondence to:**

Resident Geologist

Kenora, ON

Assessment Files Library

Sudbury, ON

**Recorded Holder(s) and/or Agent(s):**

Seymour Sears

WAWA, ON

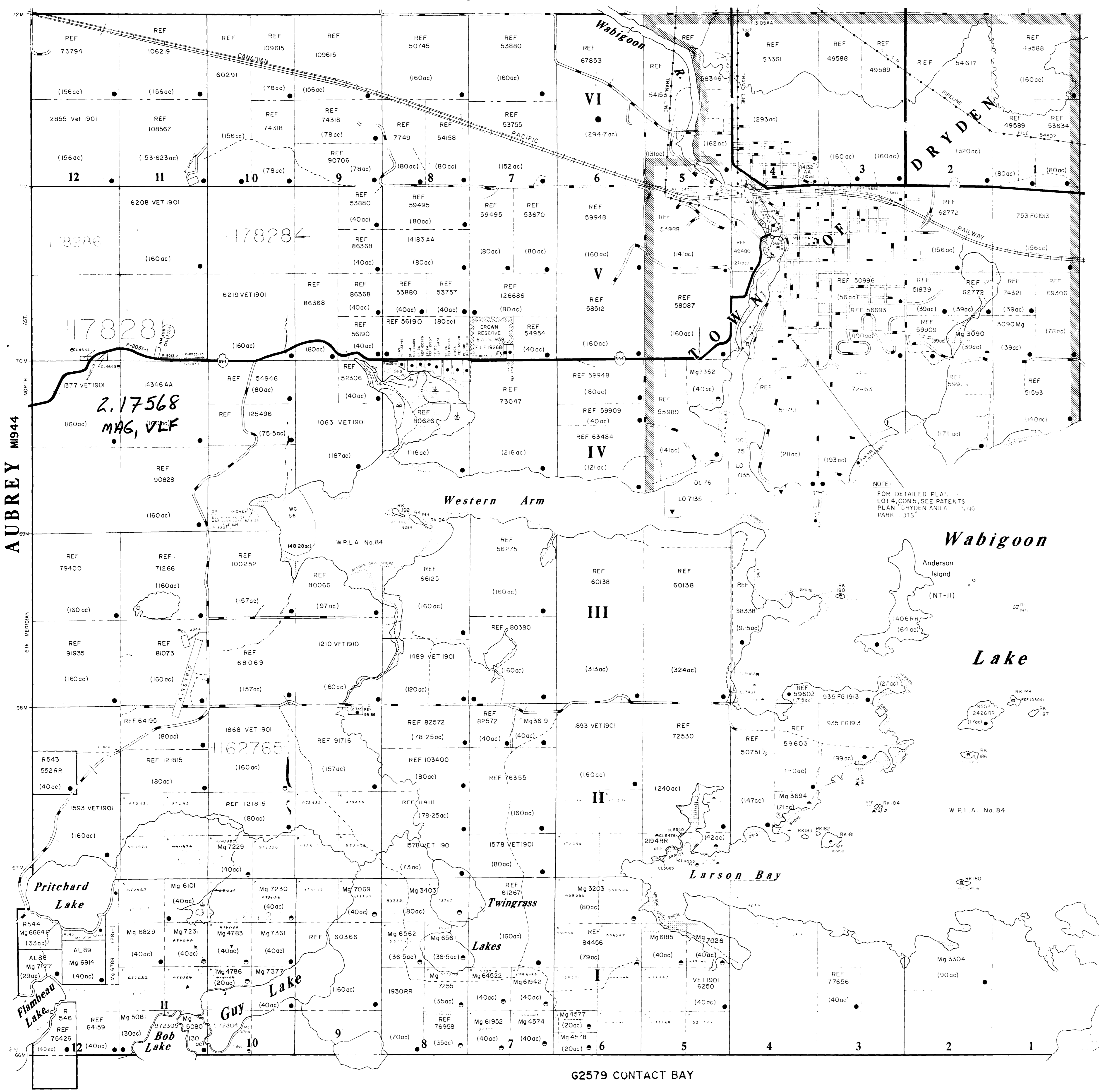
CHAMPION BEAR RESOURCES LTD.

CALGARY, ALBERTA



RECEIVED  
AUG 1 9 1990  
MINISTRY OF NATURAL RESOURCES

# WAINWRIGHT M2057



### REFERENCES

**TOPOGRAPHY**  
LAKES AND RIVERS ETC., FROM FOREST RESOURCES INVENTORY SHEETS 496924, 497924.

**SURVEYS**  
FIELD NOTE BOOKS: 1133, 1640, 2069, 2071, 2438, 2977  
PLANS: L 25-4, 04-25, RIO-1, R18-15, Y 35-8, A

**HIGHWAYS**  
HIGHWAYS THROUGH CROWN LAND FROM MINISTRY OF TRANSPORTATION AND COMMUNICATIONS SURVEY PLANS AS NOTED ON PLAN  
SEE ALSO FILE 121757 FOR RESERVATIONS

**TRANSMISSION LINES**  
PLANS 022-2, 023-10, S18-2  
SEE ALSO FILE 124109

**RAILWAY**  
C.P.R., PLANS: N11-18,

**FLOODING**  
WATER POWER LEASE AGREEMENT No 84 DATED, APRIL 5, 1974 - RESERVING THE RIGHT TO HOLD THE WATERS OF WABIGOON RIVER AND WABIGOON LAKE TO AN ELEVATION NOT EXCEEDING 1211.37'. FILE 11916

- ① SEC 36/80 W 6/83 11/4/82 M 2 543
- ② SEC 36/80 A 2/84 16/3/84 M 55 168521
- ③ SEC 36/80 1/17/84 1/17/84 M 10 168521

**NOTE**  
LOT AND CONCESSION LINES SHOWN HERE ON ARE PROJECTED FROM THE BEST INFORMATION AVAILABLE, BUT THEIR TRUE POSITION IS NOT GUARANTEED FOR LEGAL AND SURVEY PURPOSES CONSULT THE ORIGINAL PLAN FIELD NOTES OF RECORD IN THE MINISTRY OF NATURAL RESOURCES, TORONTO.

ACREAGES SHOWN IN RESPECT OF PATENTED LOTS ARE IN ACCORDANCE WITH AREA GRANTED.

### LEGEND

- PROVINCIAL HIGHWAY
- OTHER ROADS
- TRAILS
- SURVEYED LINES
- TOWNSHIPS, BASE LINES, ETC.
- LOTS, CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES
- LOT LINES
- PARCEL BOUNDARIES
- MINING CLAIMS
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- TRAVERSE MONUMENT

### DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	○
LEASE SURFACE & MINING RIGHTS	○
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	○
LICENCE-OF-OCCUPATION	○
ORDER-IN-COUNCIL	○
RESERVATION	○

SCALE: 1 INCH = 20 CHAINS

TOWNSHIP  
**VAN HORNE**  
MNR ADMINISTRATIVE DISTRICT  
DRYDEN  
MINING DIVISION  
KENORA  
LAND TITLES / REGISTRY DIVISION  
KENORA

Ministry of Natural Resources  
and Mines  
Northern Development

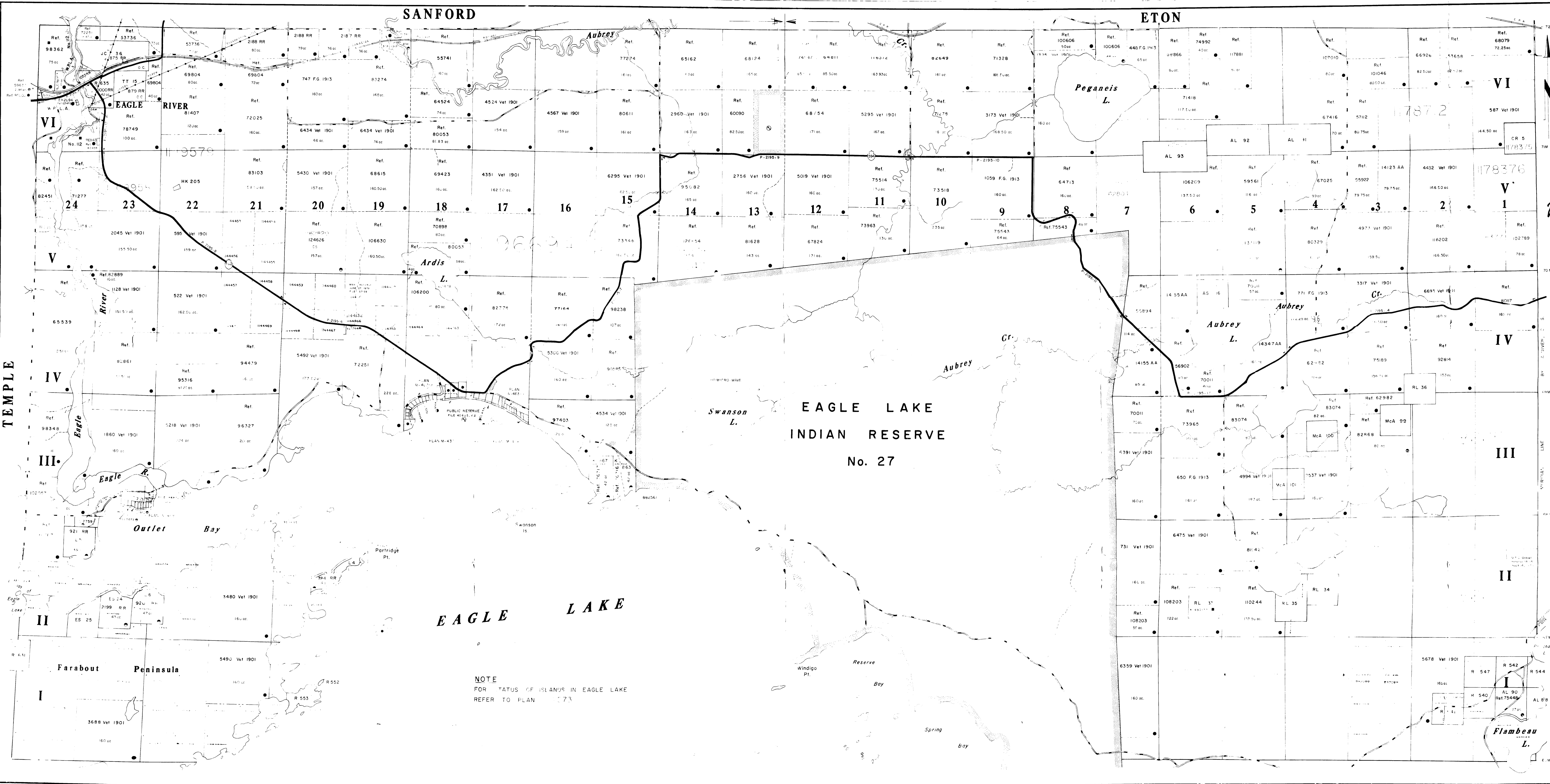
Date: FEBRUARY, 1990  
M2053 G-839



REFERENCES

NOTE  
 LOT AND CONCESSION LINES SHOWN HEREON ARE PROJECTED FROM THE BEST INFORMATION AVAILABLE, BUT THEIR TRUE POSITION IS NOT GUARANTEED. FOR LEGAL AND SURVEY PURPOSES, CONSULT THE ORIGINAL SURVEY PLANS AND FIELD NOTES OF RECORD IN THE MINISTRY OF NATURAL RESOURCES, AT TORONTO.

AREAS SHOWN FOR PATENTED LOTS ARE IN ACCORDANCE WITH AREAS GRANTED.



REFERENCES

TOPOGRAPHY  
 F. R. I. Nos. 496 924, 496 931, 497 924, 497 931.

SURVEYS  
 PLANS - W 22-24, 123-9, W 12-17, W 19-21, W 19-49, W 23-36, R 18-19, L 4-23, W 24-26, W 27-31.

HIGHWAYS  
 HIGHWAYS THROUGH CROWN LANDS FROM MINISTRY OF TRANSPORTATION AND COMMUNICATIONS SURVEY PLANS AS NOTED.

ROADS  
 PLAN - L14-23.

RAILWAYS  
 PLAN - (C.P.R.) L 7-14, N 11-18.

TRANSMISSION LINE  
 PLAN - S 18-2.

LEGEND

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT

AREAS WITHDRAWN FROM DISPOSITION

SCALE: 1 INCH = 20 CHAINS

TOWNSHIP  
**AUBREY**

M.N.R. ADMINISTRATIVE DISTRICT  
**DRYDEN**

MINING DIVISION  
**KENORA**

LAND TITLES / REGISTRY DIVISION  
**KENORA**

Ministry of Natural Resources  
 Ministry of Northern Development and Mines

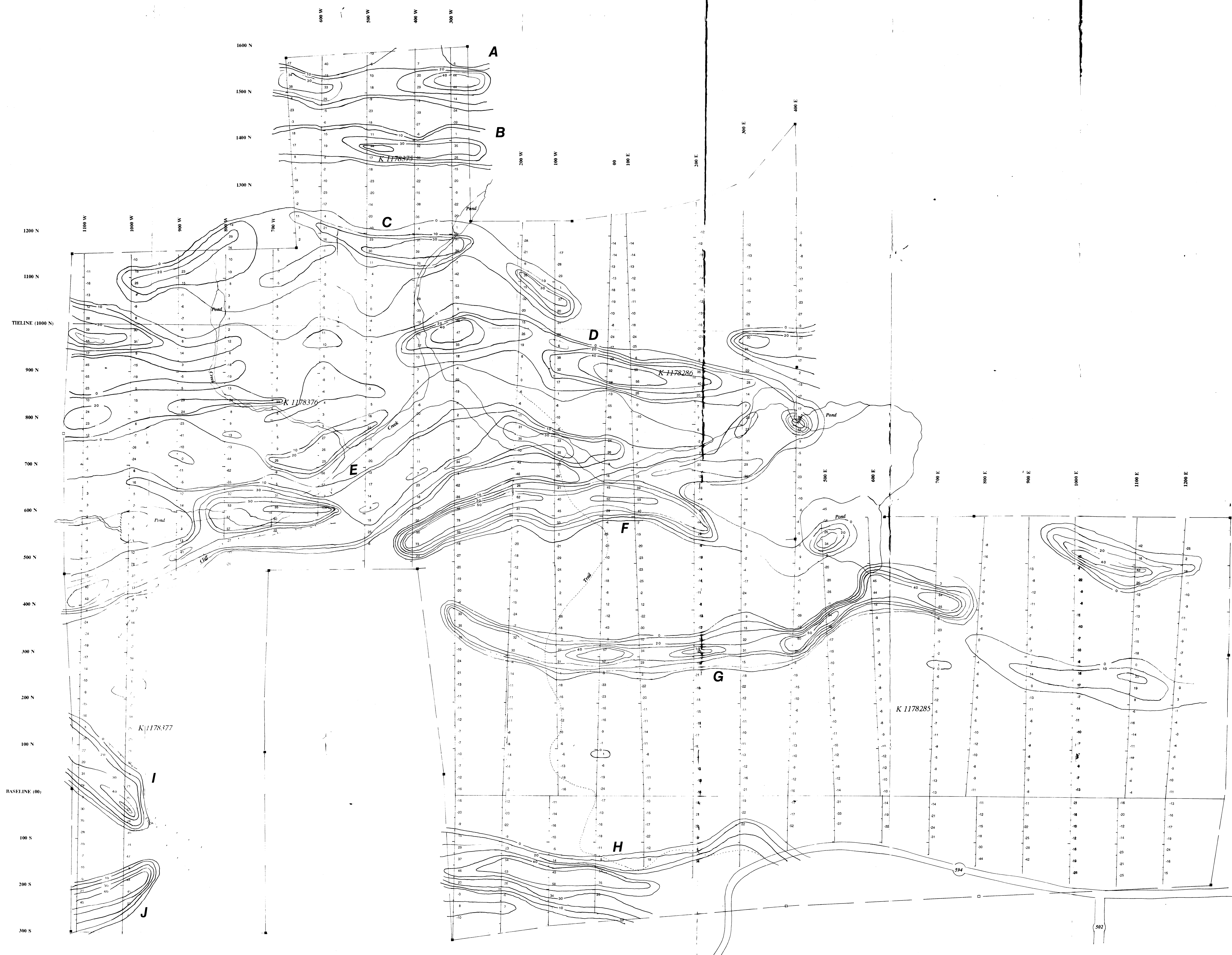
RECEIVED  
 AUG 13 1997

2.17508

G-810

NOTE  
 FOR STATUS OF ISLANDS IN EAGLE LAKE REFER TO PLAN 73





A

- Legend**
- Swamp
  - Road
  - Trail
  - Field
  - Tree Stand
  - Drill Hole Collar
  - Barrier Dam

Scale 1:2500

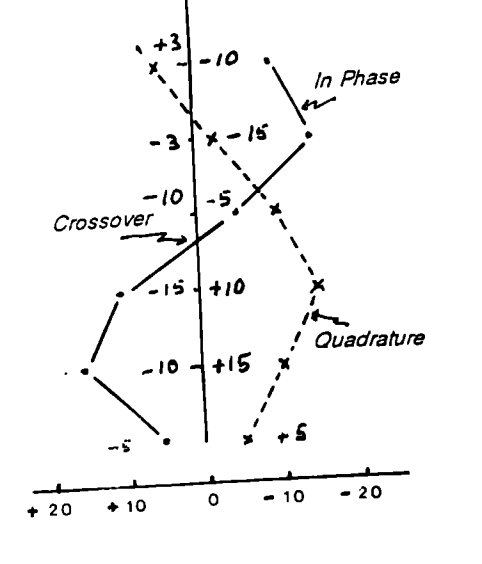
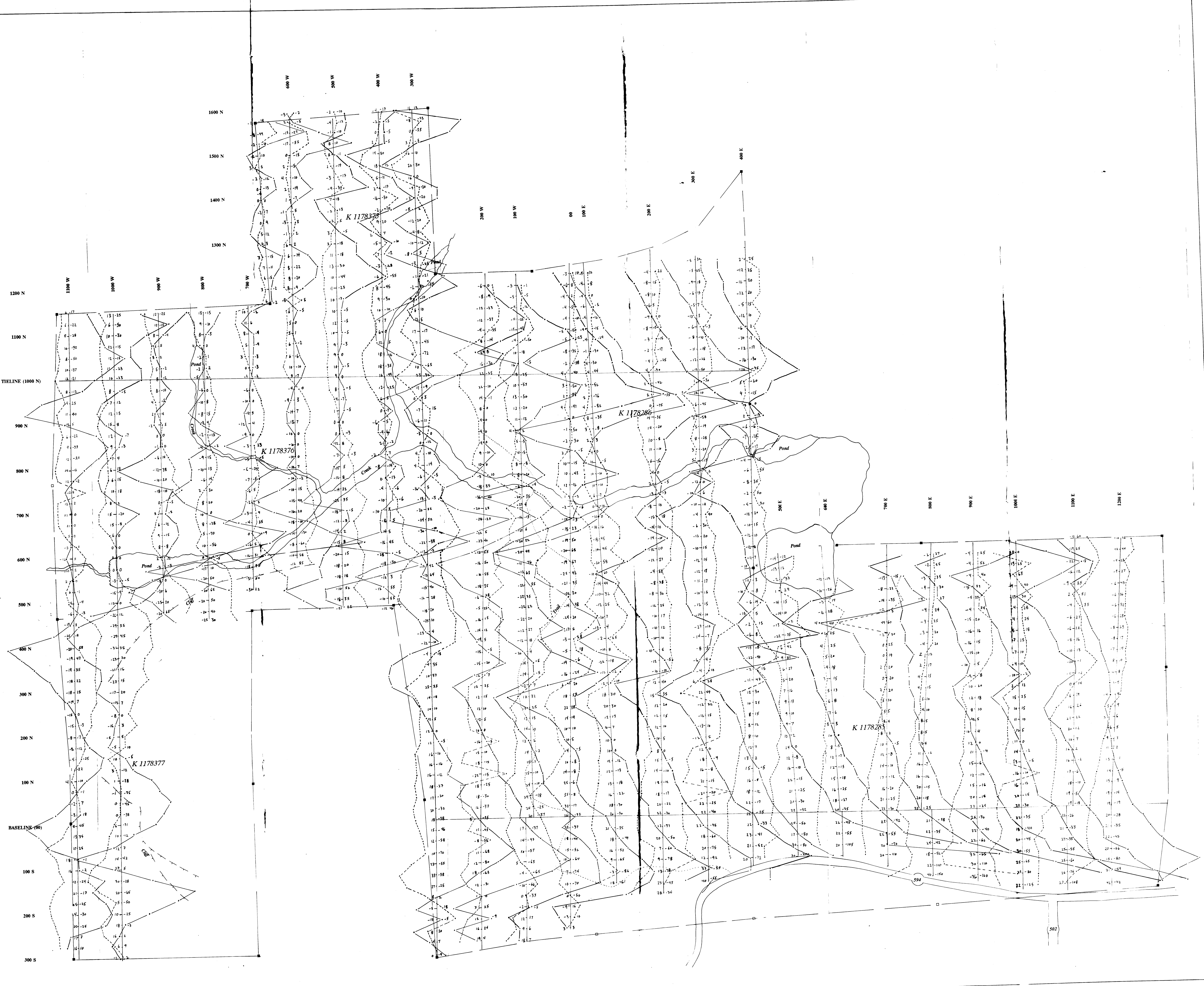


2.17568



**CHAMPION BEAR RESOURCES LTD**  
 VAN HORNE PROPERTY  
 PLOMP FARM PROJECT  
 (Aubrey & Van Horne Townships, Ontario)

VLF-EM SURVEY  
 (FRASER FILTERED DATA)



INSTRUMENT: Geonics EM-10  
 OPERATORS: Fred Plomp / Jack Paragon

- Legend**
- Swamp
  - Road
  - Trail
  - Field
  - Tree Stand
  - Drill Hole Collar
  - Beaver Dam



Scale 1:2500  
 0 100m

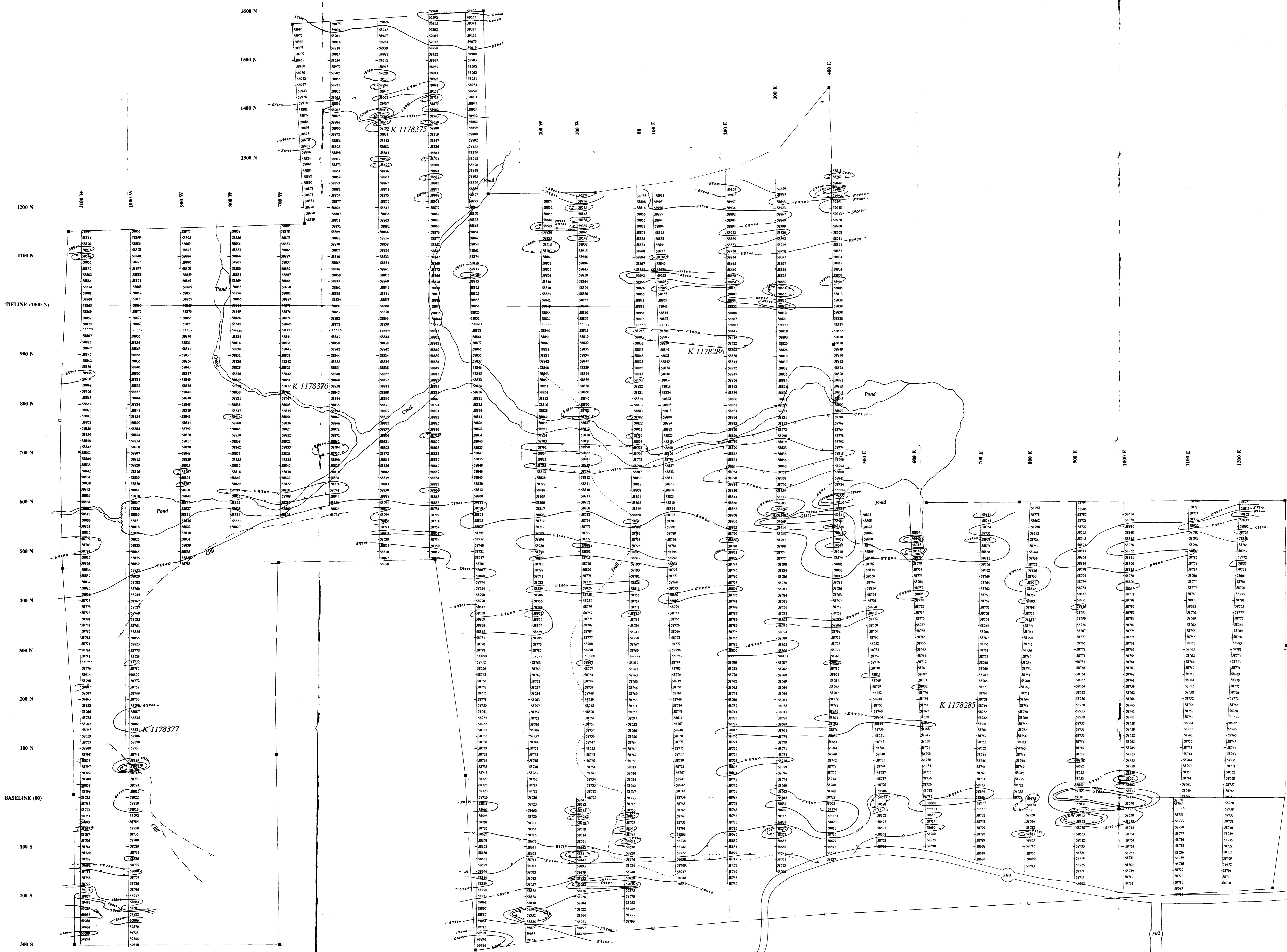


2-17568  
 2-17568

CHAMPION BEAR RESOURCES LTD

VAN HORNE PROPERTY  
 PLOMP FARM PROJECT  
 (Aubrey & Van Horne Townships, Ontario)

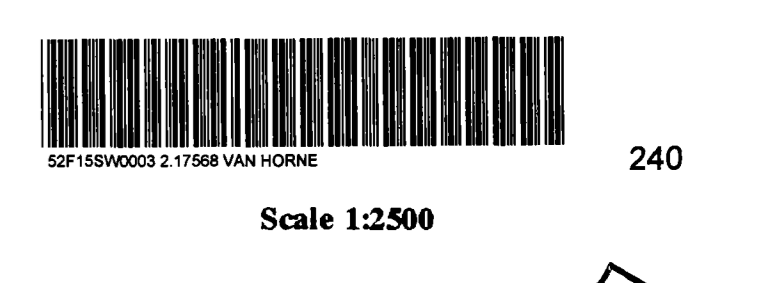
VLF-EM SURVEY  
 PROFILE DATA



INSTRUMENT: Geometrics G-816 Portable Proton Magnetometer  
 Geometrics G-816 Receiving Base Station  
 OPERATOR: Jack Armstrong

contour Intervals = 100 gamma

- Legend**
- Swamp
  - Road
  - Trail
  - Field
  - Tree Stand
  - Drill Hole Collar
  - Beaver Dam



Scale 1:2500  
 RECEIVED  
 AUG 1 8 2017  
 JAMES LEWIS (JLW)

2.17568

**CHAMPION BEAR RESOURCES LTD**

**VAN HORNE PROPERTY  
 PLOMP FARM PROJECT**  
 (Aubrey & Van Horne Townships, Ontario)

**MAGNETOMETER SURVEY**