

Prospecting Work Report for the Harper-Bolton  
Mining Claim (Mining Claim Number SO 1040702),  
Lot 31, North Half, Concession X, Sebastopol  
Township, Renfrew County, Southern Ontario Mining  
Division



31F06NE9550 2.15046 SEBASTOPOL

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JUN 02 1993

MINING LANDS BRANCH

Prepared by:

S. Harper, Hon. B.Sc. and O. Bolton  
February 27, 1993  
Toronto, Ontario

*S. Harper*

*O. Bolton*

## Introduction:

Six days were spent during the summer of 1992 prospecting the Harper-Bolton Mining Claim (Mining Claim Number SO 1040702), Lot 31, North Half, Concession X, Sebastopol Township, Renfrew County, Southern Ontario Mining Division, NTS 31 F/6. This claim is located approximately 260 km northeast of Toronto, and 40 km south of Pembroke. All work was supervised by S. Harper, Hon. B.Sc., Ontario Prospector's Licence Number A49544. Prospecting assistance was provided by O. Bolton, D. Core, F. Rentzel, D. Redlich, D. Cassell, and B. Qoser.

## Prospecting Results:

Prospecting involved locating the workings of the Smart Mine (past producer). During prospecting an area of recent extensive excavation was uncovered. This recent work is believed to have been done by mineral collectors. The Smart Mine workings and the area of recent excavation were mapped in detail (see enclosed sketch maps). Thin overburden was removed by hand in several areas of the Smart Mine workings and in the area of recent excavations for the mapping. In both areas calcite veins are exposed. Euhedral crystals of apatite, biotite, feldspar, pyroxene, titanite and minor zircon are found within the calcite veins, at the contact between the calcite veins and country rock, or in the residual soil above the bedrock calcite veins. Gneissic quartz monzonite country rock hosts the calcite veins. Two sets of calcite veins have been identified. One set strike north and dip steeply to the west. The second set strike east and dip steeply to the south. Calcite veins ~~are~~ range in width to over 3 metres (width on surface, not necessarily true width). The calcite within the calcite veins occurs in a massive form and is white to salmon-pink in color.

Apatite from the calcite veins is red-brown, reddish-green, white, or a combination of these colors. Samples of apatite have been submitted to Van Loon Analytical Laboratories for analyses.

Prospecting also disclosed a quartz-rich pegmatite containing euhedral crystals of amazonite, tourmaline, and minor magnetite. Surface exposure at present is approximately 2 metres by 10 metres. A shallow pit, possibly from minor blasting, occurs within the pegmatite. The pegmatite is open along strike in both directions.

Additional prospecting located several old trenches and pits. Their locations were not documented due to time constraints.

## **Recommendations:**

The entire Harper-Bolton Claim should be mapped. Geophysical mapping such as radiometrics or VLF-EM should be performed to trace mineralization beneath overburden and delineate favorable areas for additional mineralization. The old Smart Mine workings should be 'freshened-up' and examined for mineralization. The area of recent excavation needs further overburden stripping to expose the extent of mineralization. Overburden stripping should be done to reveal the extent of the amazonite pegmatite.

## **Dates Prospecting Work Was Performed:**

May 11 and 12, 1992;

August 29 (1/2 day), August 30 and August 31

-on all above days four people prospected the Harper-Bolton Claim

August 16, 1992

-prospecting by three people

February 27, 1993 (1/2 day)

-S. Harper wrote the assessment work report and O. Bolton drafted the accompanying sketch maps

## **Personnel Addresses:**

Scott Harper  
153 St. George Street  
Toronto, Ontario  
M5R 2L9

O. Bolton  
3 Jean Street  
Toronto, Ontario  
M4W 3A6

D. Core, Consulting Geologist  
204 Whipkey Drive  
Granville, Ohio  
43023

F. Rentzel  
687 Beechwood Rd.  
Columbus, Ohio  
43213

D. Redlich  
48 Kensington Drive  
Camp Hill, PA  
17011

D. Cassell  
811 Brian Drive  
Enola, PA  
17025

B. Qoser  
201 Woodley Drive  
Harrisburg, PA  
17109

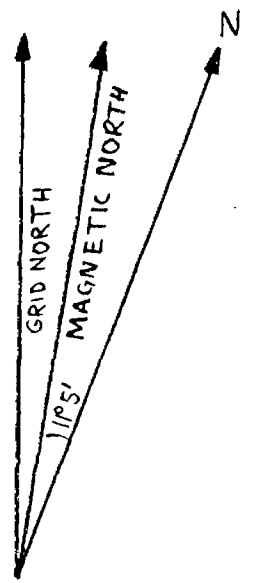
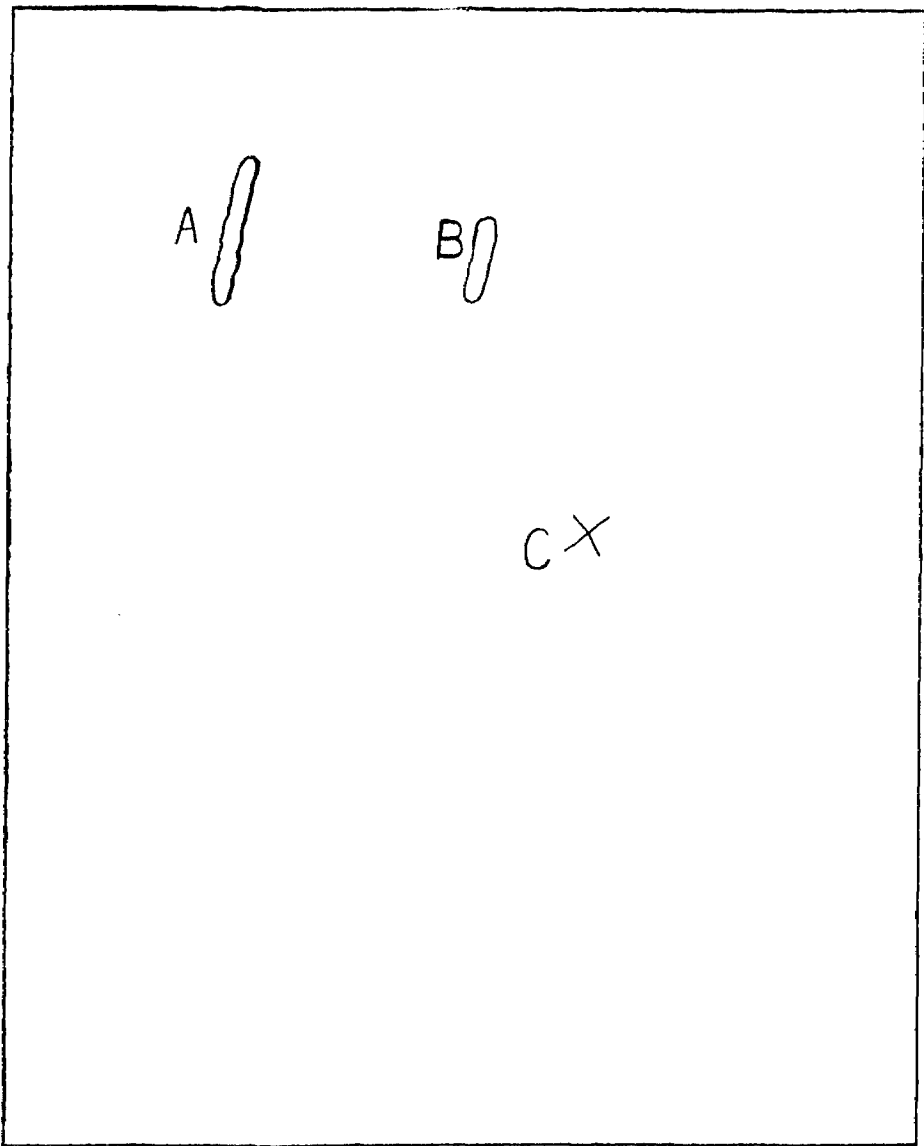
The Harper - Bolton Mining Claim  
(Mining Claim Number SO 1040702), Lot 31,  
North Half, Concession X, Sebastopol Township,  
Renfrew County, Southern Ontario Mining Division

A - Old Smart Mine Workings

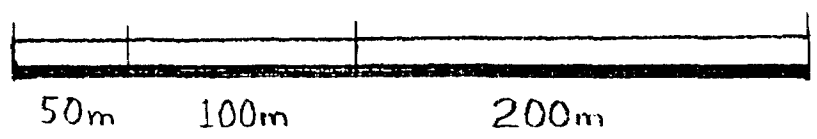
B - Recent Excavations

C - Amazonite Pegmatite

Lot 31



Concession X



Oliver Bolton  
March 1 1993  
*Oliver Bolton*

Fe, Mn, Dy, Sm, La, Yb, Ca, Al Concentrations in Apatite  
from Turner's Island, Island 'D', Mining Claims SO 1134389  
and SO 1134390, Sebastopol Township, Renfrew County,  
Southern Ontario Mining Division

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*S. Harper*

S. Harper, M. Sc. Candidate  
May 17, 1993

## **Van Loon Analytical Laboratories**

Department of Geology, University of Toronto, 22 Russell Street,  
Toronto, Ontario, M5S 3B1

Telephone: (416) 971-1364 or (416) 978-0597 or (416) 978-5612

FAX: (416) 978-3938

On February 15, 1992 S. Harper (Ontario Prospector's Licence Number A49544) and J. Harper visited Turner's Island, Island 'D', Sebastopol Township, Renfrew County. Several apatite samples were collected from a calcite vein exposed on the northwest shoreline of the island. Subsequently, a single fragmented deep red-brown colored apatite crystal was submitted for geochemical analysis to Van Loon Analytical Laboratories, University of Toronto.

### **Analytical Method:**

-the sample was crushed in a jaw crusher followed by tungsten carbide ring grinding to -200 mesh

-the sample was prepared by O. Bolton under the supervision of S. Harper, M. Sc. candidate

#### **i) Flame Atomic Absorption Spectroscopy (FAAS)**

-decomposition of c. 0.5 g samples by aqua regia in sealed teflon bombs

-Fe and Mn determinations were made using a Perkin Elmer Model 4000 air-acetylene FAAS

-FAAS analyses were performed by O. Bolton under the supervision of S. Harper, M. Sc. candidate and B. Perry, Ph. D. candidate

Note: three repeats were prepared for the sample. The repeats were analyzed a minimum of three times each. One blank was prepared and analyzed for the sample.

#### **ii) Instrumental Neutron Activation Analysis (INAA)**

-200 mg samples of apatite and UTB-1 standard were sealed in plastic bags

-samples were irradiated and Fe, Mn, Dy, Sm, La, Yb, Ca and Al concentrations determined at the SLOWPOKE Reactor, University of Toronto

-INAA analyses were performed by O. Bolton under the supervision of Dr. R. Hancock

Note: All analyses were done by O. Bolton for GLG 400H course credit, Department of Geology, University of Toronto.

**Results:**

**i) Flame Atomic Absorption Spectroscopy**

Sample Number	Fe (ppm, n=3)	Mn (ppm, n=3)
41	3839	198
42	3508	198
43	3537	198
Mean (ppm)	3628	198
Cv (%)	5.0	0.05

**ii) Instrumental Neutron Activation Analysis**

Sample	Fe (ppm)	Mn (ppm)	Dy (ppm)	Sm (ppm)	La (ppm)	Yb (ppm)	CaO (wt %)	Al <sub>2</sub> O <sub>3</sub> (wt %)
A	9255	170	158	291	2304	79	43.9	0.1
Cv (%)	3.1	4.1	0.5	0.3	0.5	3.2	ND	ND
B	ND	191	169	295	2315	76	47.3	0.1
Cv (%)		3.7	0.5	0.2	0.5	3.3	ND	ND

ND = Not Determined



**Assessment Work Value:**

Fe and Mn by FAAS \$20/sample*	\$60.00
Fe, Mn, Dy, Sm, La, Yb determination by INAA \$40/sample*	80.00
Transportation (Gasoline)	25.00
Food	20.00
Wages (2 people X 1 day X \$150)	300.00
Total	485.00

\*Prices include sample preparation

**Addresses:**

S. Harper  
#407-153 St. George Street  
Toronto, Ontario  
M5R 2K2

J. Harper  
1195 Nuforest Drive  
R. R. #1  
Ennismore, Ontario  
K0L 1T0

Iron and Manganese Concentrations in Apatite from the  
Harper-Bolton Claim, Mining Claim SO 1040702, Lot 31,  
North Half, Concession X, Sebastopol Township, Renfrew  
County, Southern Ontario Mining Division



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*S. Harper*

S. Harper, Hon. B. Sc.  
May 17, 1993

## Van Loon Analytical Laboratories

Department of Geology, University of Toronto, 22 Russell Street,  
Toronto, Ontario, M5S 3B1

Telephone: (416) 971-1364 or (416) 978-0597 or (416) 978-5612

FAX: (416) 978-3938

February 26, 1993

### Analytical Method:

-samples were crushed in a jaw crusher followed by tungsten  
carbide ring grinding to -200 mesh

-decomposition of c. 0.5 g samples by aqua regia in sealed teflon  
bombs

-determinations were made using a Perkin Elmer Model 4000 air-  
acetylene FAAS

Note: four repeats were prepared of each sample. The repeats were  
analyzed a minimum of three times each. A minimum of one blank  
was prepared and analyzed for each sample.

### Results:

Sample	Fe (ppm, n=3)	Mn (ppm, n=3)
Smart1a	1670	217
Smart1b	1503	204
Smart1c	1573	205
Smart1d	1560	208
Smart2a	2879	382
Smart2b	2776	369
Smart2c	2752	377
Smart2d	2618	380
Smart3a	876	272
Smart3b	782	250
Smart3c	785	252
Smart3d	787	255
Smart5a	3345	234
Smart5b	3115	235
Smart5c	3067	236
Smart5d	3001	238

-all analyses were performed by O. Bolton for GLG 400H course credit  
under the supervision of S. Harper, M. Sc. candidate and B. Perry,  
Ph. D. candidate, University of Toronto

### Sample Descriptions:

- Smart 1    -xfrom area of recent excavation  
            -single apatite crystal termination 1/2" diameter, 1" long,  
            banded, red-brown in color with some green areas  
            -the specimen has a whitish appearance
- Smart 2    -xfrom area of recent excavation  
            -single incomplete apatite crystal 4" long, 1 1/2"  
            diameter, deep reddish-brown in color with some green  
            areas
- Smart 3    -xfrom area of recent excavation  
            -apatite crystal section 1 1/4" diameter, 1" long, reddish  
            brown in color with some green areas
- Smart 5    -xfrom old Smart Mine workings  
            -apatite crystal section 1" diameter, 3/4" long, reddish-  
            brown with some green areas  
            -the outer areas of the crystal are whitish in color

xsee attached sketch map

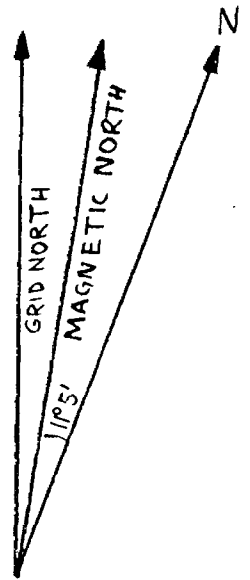
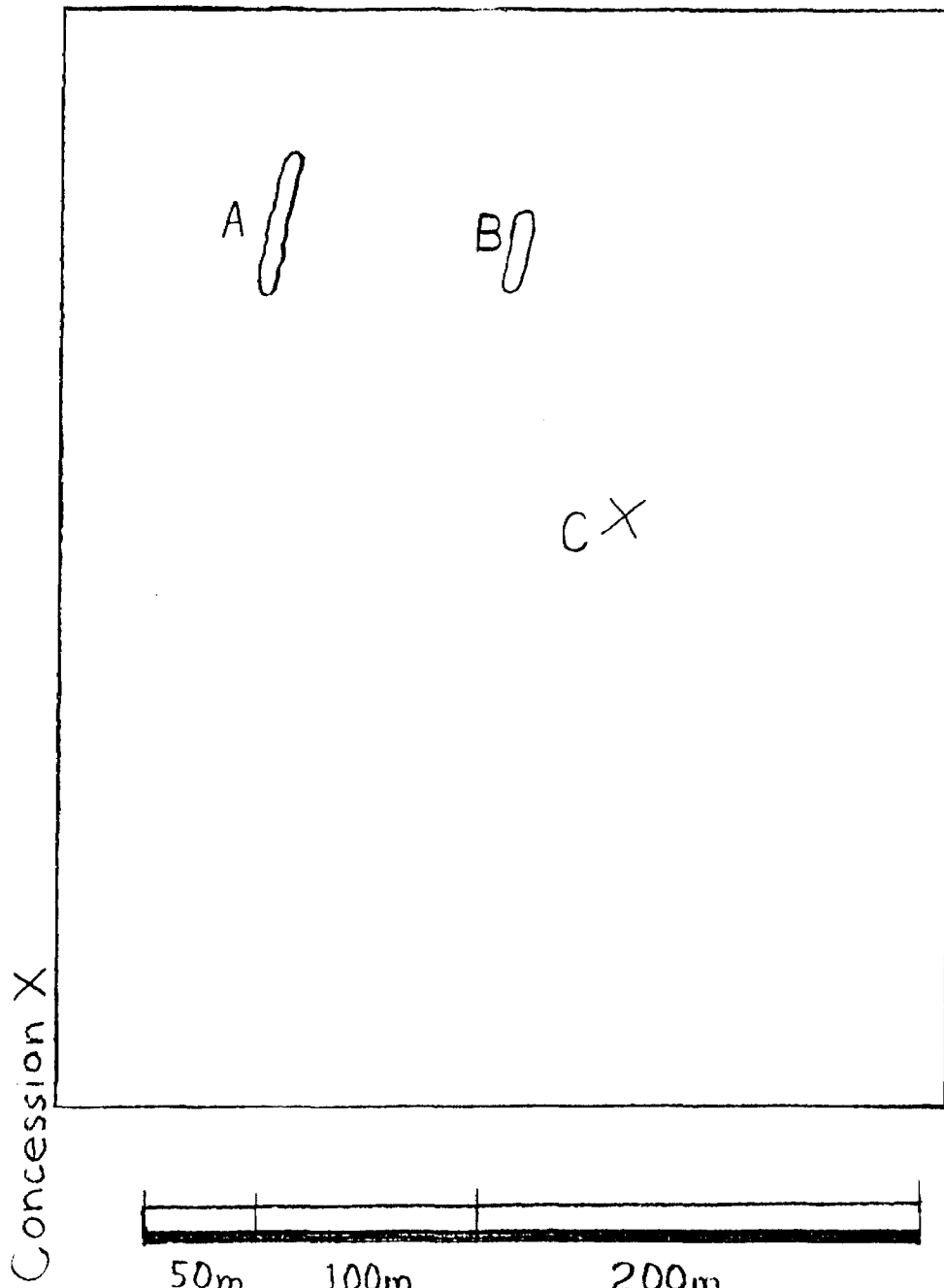
**Analytical Value:** \$20/sample for Mn and Fe determination  
including sample preparation

The Harper - Bolton Mining Claim  
(Mining Claim Number SO 1040702), Lot 31,  
North Half, Concession X, Sebastopol Township,  
Renfrew County, Southern Ontario Mining Division

A - Old Smart Mine Workings

B - Recent Excavations

C - Amazonite Pegmatite  
Lot 31



Oliver Bolton  
March 1 1993  
*Oliver Bolton*



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Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines

~~Geoscience Approvals Section~~  
933 Ramsey Lake Road  
6th Floor  
Sudbury, Ontario  
P3E 6B5

Telephone: (705) 670-5853  
Fax: (705) 670-5863

Our File: 2.15046  
Transaction #: W9390.00029  
.00030  
.00031

September 30, 1993

Mining Recorder  
Ministry of Northern  
Development and Mines  
MacDonald Block  
Room M2-17  
900 Bay Street  
Toronto, Ontario  
M7A 1C3

Dear Madam:

**RE: APPROVAL OF ASSESSMENT WORK SUBMITTED FOR PROSPECTING AND ASSAYS  
ON MINING CLAIMS SO1040702 AND SO1134390 IN SEBASTOPOL TOWNSHIP**

A Notice of Deficiency was not issued on this Report of Work prior to the 90 day deemed approval date and as outlined in subsection 6(5) of the Mining Act Regulations this Report of Work is **deemed approved** as of **AUGUST 19, 1993**. The Assessment credits are as listed on the original submission.

Please indicate this approval on your records.

If you require further information please contact Lucille Jerome at (705) 670-5855.

Yours sincerely,

Ron C. Gashinski  
Senior Manager, Mining Lands Section  
Mining and Land Management Branch  
Mines and Minerals Division

LJ/dm

cc: Resident Geologist  
Tweed, Ontario

Assessment Files Library  
Toronto, Ontario ✓



# Report of Work Conducted After Recording Claim

Transaction Number  
**W9390.00029**

## Mining Act

Personal information collected on this form is obtained under the authority of the Mining Act. This information can be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

# 2.15046

- Instructions:**
- Please type or print and submit in duplicate.
  - Refer to the Mining Act and Regulations for requirements of filing assessment work or consult the Mining Recorder.
  - A separate copy of this form must be completed for each Work Group.
  - Technical reports and maps must accompany this form in duplicate.
  - A sketch, showing the claims the work is assigned to, must accompany this form.

Recorded Holder(s) <b>Oliver B. Bolton + Sharpin Developments Incorporated Ch.# 294139</b>	Client No. <b>109679</b>
Address <b>3 Jean Street 152 St. George Street Suite 407 Toronto Ontario M5R 2K2</b>	Telephone No. <b>416-929-5884</b>
Mining Division <b>Toronto M4W 3R6 Southern Ontario</b>	Township/Area <b>Sebastopol</b>
Dates Work Performed From: <b>May 11, 1992</b>	To: <b>February 27, 1993</b>

### Work Performed (Check One Work Group Only)

# RECEIVED

Work Group	Type
<input type="checkbox"/> Geotechnical Survey	
<input type="checkbox"/> Physical Work, Including Drilling	
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input checked="" type="checkbox"/> Assays	<b>Iron and Manganese Concentrations in Apatite Samples</b>
<input type="checkbox"/> Assignment from Reserve	

JUN 02 1993

MINING LANDS BRANCH

Total Assessment Work Claimed on the Attached Statement of Costs \$ 384

**Note:** The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

### Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
<b>S. Harper</b>	<b>#407-153 St. George Street Toronto Ontario M5R 2L9</b>

(attach a schedule if necessary)

### Certification of Beneficial Interest \* See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date <b>Feb 27/93</b>	Recorded Holder or Agent (Signature) <b>Scott E Harper</b>
--	--------------------------	---

### Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.		
Name and Address of Person Certifying <b>Scott Harper Suite 407 153 St. George Street Toronto Ontario M5R 2L9</b>		
Telephone No. <b>416-961-5041</b>	Date <b>Feb 27/93</b>	Certified By (Signature) <b>Scott Harper</b>

### For Office Use Only

Total Value Cr. Recorded <b>\$ 384</b>	Date Recorded <b>May 21/93</b>	Mining Recorder <b>AM Chamesky</b>	RECEIVED <b>MAY 21 1993</b> AM PM 7,8,9,10,11,12,1,2,3,4,5,6
	Deemed Approval Date <b>Aug 19/93</b>	Date Approved	
	Date Notice for Amendments Sent		





Statement of Costs  
for Assessment Credit

État des coûts aux fins  
du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction

W9390.00029

2.15046

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4<sup>e</sup> étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre		
	Field Supervision Supervision sur le terrain		
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type Assays	320	
			320
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
Total Direct Costs Total des coûts directs			320

2. Indirect Costs/Coûts indirects

\*\* Note: When claiming Rehabilitation work Indirect costs are not allowable as assessment work.  
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type Gas	150	
RECEIVED JUN 02 1993 MINING LANDS BRANCH			
Food and Lodging Nourriture et hébergement			
Mobilization and Demobilization Mobilisation et démobilisation			
Sub Total of Indirect Costs Total partiel des coûts indirects			150
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			64
Total Value of Assessment Credit (Total of Direct and Allowable indirect costs)			384
Value totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)			

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
	x 0.50 =

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Évaluation totale demandée
	x 0,50 =

Certification Verifying Statement of Costs

I hereby certify:  
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as Agent I am authorized  
(Recorded Holder, Agent, Position in Company)

to make this certification

Attestation de l'état des coûts

J'atteste par la présente :  
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de \_\_\_\_\_ je suis autorisé  
(titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature Scott Harper Date Feb 27/93

**Report of Work Conducted  
 After Recording Claim**

**Mining Act**

m.l.s.  
 Transaction Number  
 W9390.00030

**2-15046**

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for record keeping. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

- Instructions:**
- Please type or print and submit in duplicate.
  - Refer to the Mining Act and Regulations for requirements of filing assessment work or consult the Mining Recorder.
  - A separate copy of this form must be completed for each Work Group.
  - Technical reports and maps must accompany this form in duplicate.
  - A sketch, showing the claims the work is assigned to, must accompany this form.

Recorded Holder(s) Sharpmin Developments Incorporated ✓		Client No. 294139 ✓
Address 153 St. George Street Suite 407 Toronto Ontario M5R 2K2		Telephone No. 416-961-5041 ✓
Mining Division Southern Ontario	Township/Area Sebastopol	M or G Plan No. M148 ✓
Dates Work Performed From: Feb 15, 1992		To: May 17, 1993 ✓

**Work Performed (Check One Work Group Only)**

Work Group	Type
Geotechnical Survey	RECEIVED
Physical Work, Including Drilling	JUN 02 1993
Rehabilitation	MINING LANDS BRANCH
Other Authorized Work	
<input checked="" type="checkbox"/> Assays	Sampling; Fe, Mn by FAAS; Fe, Mn, Dy, Sm, La, Yb, Ca, Al by INAA ✓
Assignment from Reserve	

Total Assessment Work Claimed on the Attached Statement of Costs \$ 485

**Note:** The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

**Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)**

Name	Address
S. Harper	#407-153 St. George Street Toronto ON M5R 2K2

(attach a schedule if necessary)

**Certification of Beneficial Interest \* See Note No. 1 on reverse side**

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date May 17/93	Recorded Holder or Agent (Signature) S. Harper ✓
--	-------------------	---

**Certification of Work Report**

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.		
Name and Address of Person Certifying Scott Harper #407-153 St. George Street Toronto Ontario M5R 2K2		
Telephone No. 416-961-5041	Date May 17/93	Certified By (Signature) S. Harper ✓

**For Office Use Only**

Total Value Cr. Recorded \$485	Date Recorded May 21/93	Mining Recorder M. Chumeshky	RECEIVED MAY 21 1993 AM 7,8,9,10,11,12,1,2,3,4,5,6 PM
	Deemed Approval Date Aug 19/93	Date Approved	
	Date Notice for Amendments Sent		





Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Transaction No./N° de transaction  
W9390.00030

Mining Act/Loi sur les mines

2.15046

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4<sup>e</sup> étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre	300	
	Field Supervision Supervision sur le terrain		300
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type Assays	140	
			140
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
Total Direct Costs Total des coûts directs			440

2. Indirect Costs/Coûts indirects

\*\* Note: When claiming Rehabilitation work Indirect costs are not allowable as assessment work. Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type Gas	25	
RECEIVED JUN 02 1993 MINING LANDS BRANCH			
			25
Food and Lodging Nourriture et hébergement	Food	20	20
Mobilization and Demobilization Mobilisation et démoblisation			
Sub Total of Indirect Costs Total partiel des coûts indirects			45
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20% des coûts directs)			
Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs) Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)			485

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note: Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

- Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
- Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
	x 0.50 =

Remises pour dépôt

- Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
- Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Évaluation totale demandée
	x 0,50 =

Certification Verifying Statement of Costs

I hereby certify: that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as Agent I am authorized (Recorded Holder, Agent, Position in Company)

to make this certification

Attestation de l'état des coûts

J'atteste par la présente: que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de \_\_\_\_\_ je suis autorisé (titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature: Scott Harper Date: May 17/93



Ministry of  
Northern Development  
and Mines  
Ontario

**Report of Work Conducted  
After Recording Claim**

Mining Act

Transaction Number  
**W9390.00031**

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

**2.15046**

- Instructions:**
- Please type or print and submit in duplicate.
  - Refer to the Mining Act and Regulations for requirements of filing assessment work or consult the Mining Recorder.
  - A separate copy of this form must be completed for each Work Group.
  - Technical reports and maps must accompany this form in duplicate.
  - A sketch, showing the claims the work is assigned to, must accompany this form.

Recorded Holder(s) <i>Oliver B. Bolton + Sharpmin Developments Incorporated</i> <i>153 St. George Street Suite 407</i>	Client No. <i>109679</i>
Address <i>3 Jean Street</i> <i>Toronto ON M5R 2K2 416-961-5041</i> <i>cit. #294139</i>	Telephone No. <i>5884</i> <i>416-929-3003</i>
Mining Division <i>Southern Ontario</i>	Township/Area <i>Sebastopol</i>
M or G Plan No. <i>M148</i>	
Dates Work Performed From: <i>May 11, 1992</i>	To: <i>February 27, 1993</i>

**Work Performed (Check One Work Group Only)**

Work Group	Type
<input checked="" type="checkbox"/> Geotechnical Survey	<i>Prospecting Work including detailed mapping</i>
<input type="checkbox"/> Physical Work, Including Drilling	
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

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Total Assessment Work Claimed on the Attached Statement of Costs \$ *3980<sup>50</sup>*

**Note:** The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

**Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)**

Name	Address
<i>S. Harper</i>	<i>#407-153 St. George Street Toronto Ontario M5R 2L9</i>

(attach a schedule if necessary)

**Certification of Beneficial Interest \* See Note No. 1 on reverse side**

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date <i>Feb 27/93</i>	Recorded Holder or Agent (Signature) <i>Scott Harper</i>
--	--------------------------	---

**Certification of Work Report**

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.		
Name and Address of Person Certifying <i>Scott Harper #407 153 St. George Street Toronto Ontario M5R 2L9</i>		
Telephone No. <i>416-961-5041</i>	Date <i>Feb 27/93</i>	Certified By (Signature) <i>Scott Harper</i>

**For Office Use Only**

Total Value Cr. Recorded <i>\$3,960</i>	Date Recorded <i>May 21/93</i>	Mining Recorder <i>AM Chimesky</i>	Received Stamp <b>RECEIVED</b> <i>MAY 21 1993</i> AM <u>7,8,9,10,11,12</u> 1,2,3,4,5,6 PM
	Deemed Approval Date <i>Aug 19/93</i>	Date Approved	
	Date Notice for Amendments Sent		



Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction

W9390.00031

2.15046

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4<sup>e</sup> étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre	3300	
	Field Supervision Supervision sur le terrain		3300
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type		
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
Total Direct Costs Total des coûts directs			3300

2. Indirect Costs/Coûts indirects

\*\* Note: When claiming Rehabilitation work indirect costs are not allowable as assessment work. Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type		
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Food and Lodging Nourriture et hébergement	Motel (2 rooms for 3 nights), food	870	870
Mobilization and Demobilization Mobilisation et démoblisation			
Sub Total of Indirect Costs Total partiel des coûts indirects			870
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			650
Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs) Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)			3950

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

- Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
- Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
	× 0.50 =

Remises pour dépôt

- Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
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Valeur totale du crédit d'évaluation	Évaluation totale demandée
	× 0,50 =

Certification Verifying Statement of Costs

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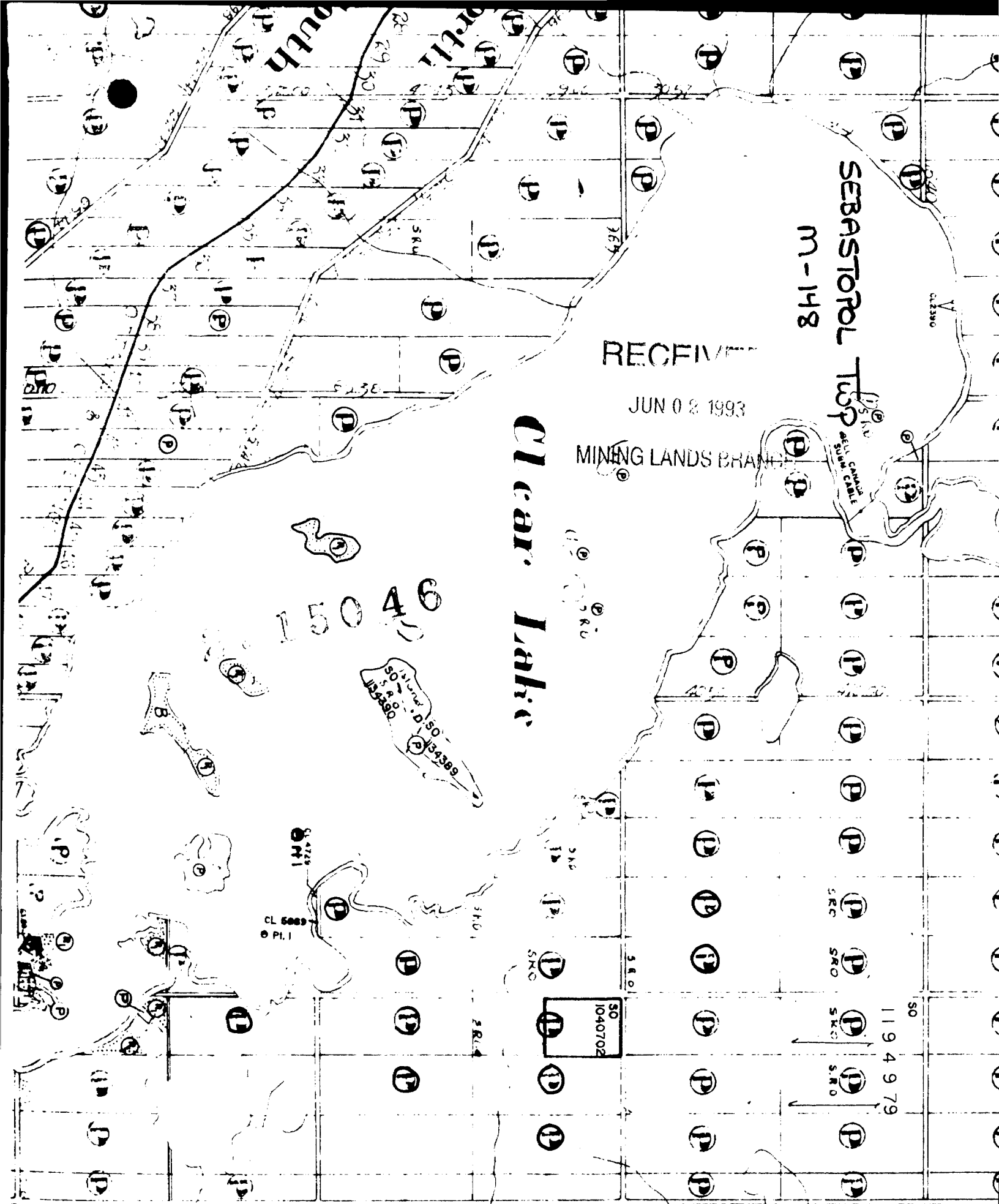
Attestation de l'état des coûts

J'atteste par la présente : que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de \_\_\_\_\_ je suis autorisé (titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature Scott Harper Date Feb 27/93



SEBASTOPOL TWP  
M-148

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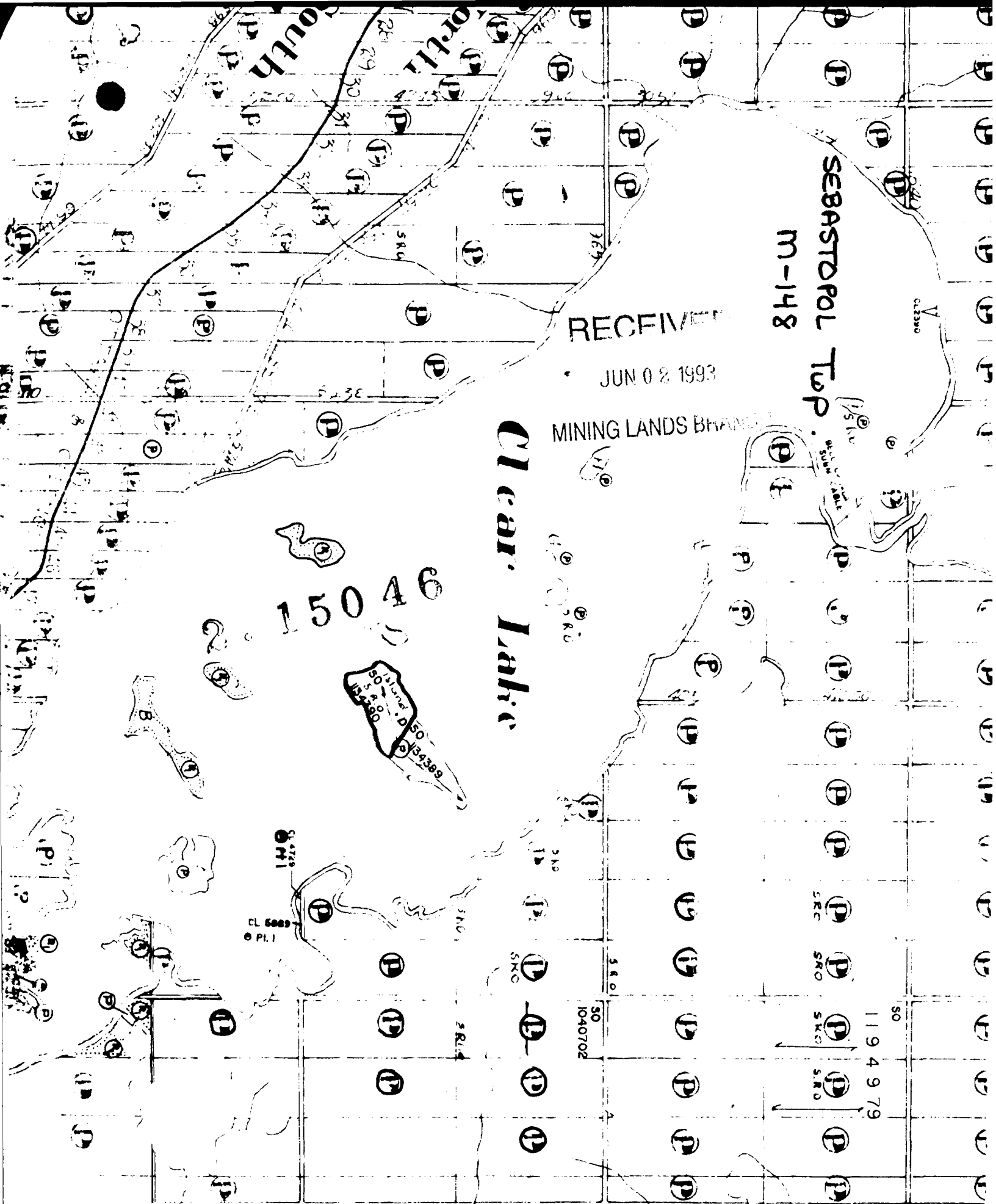
CLEAR LAKE

15046

SO  
1040702

SO  
1194979





SEBASTOPOL Twp.  
M-148

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MINING LANDS BRANCH

Clear Lake

15046

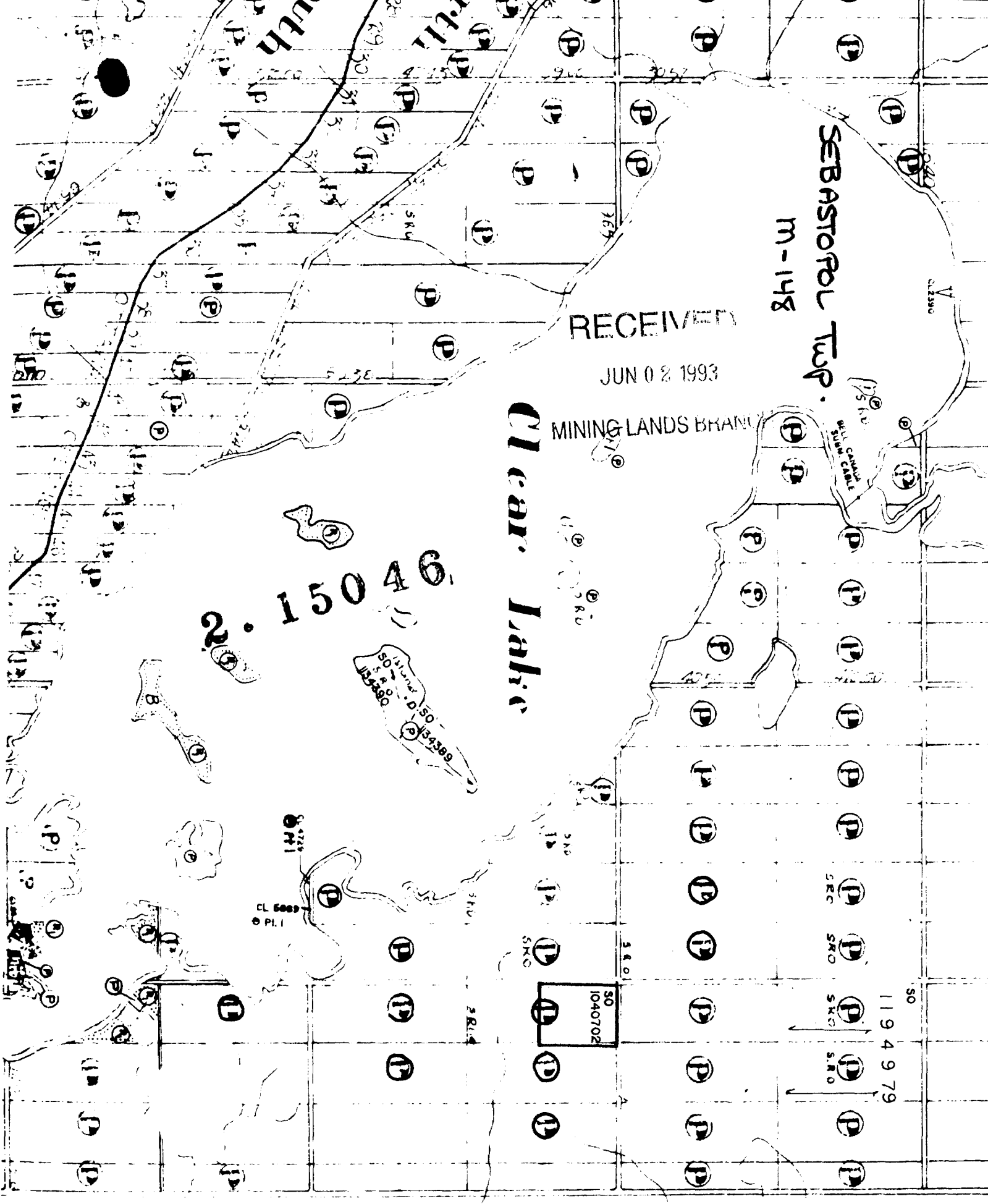
SO. 1/4 Sec. 38, T. 148 N., R. 148 E., S. 33-389

CL 5009  
PL. 1

SO  
119 4 9 79

SO  
1040702

TEAN



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MINING LANDS BRANCH

SEBASTOPOL TWP.  
M-148

Clear Lake

2. 15046

SO  
1040702

SO  
1194979

GRANTMAN

2.15046

# SEBASTOPOL

Areas withdrawn from staking under Section 43 of the Mining Act. (R.S.O. 70)

Order no.	File	Date	Disposition
W 3 / 78	108534	JAN 11 '78	S. R. O.

DATE OF ISSUE  
 MAY 28 1993  
 SOUTHERN ONTARIO  
 MINING DIVISION

SOUTHERN ONTARIO  
 Scale — 10 Chains = 1 Inch

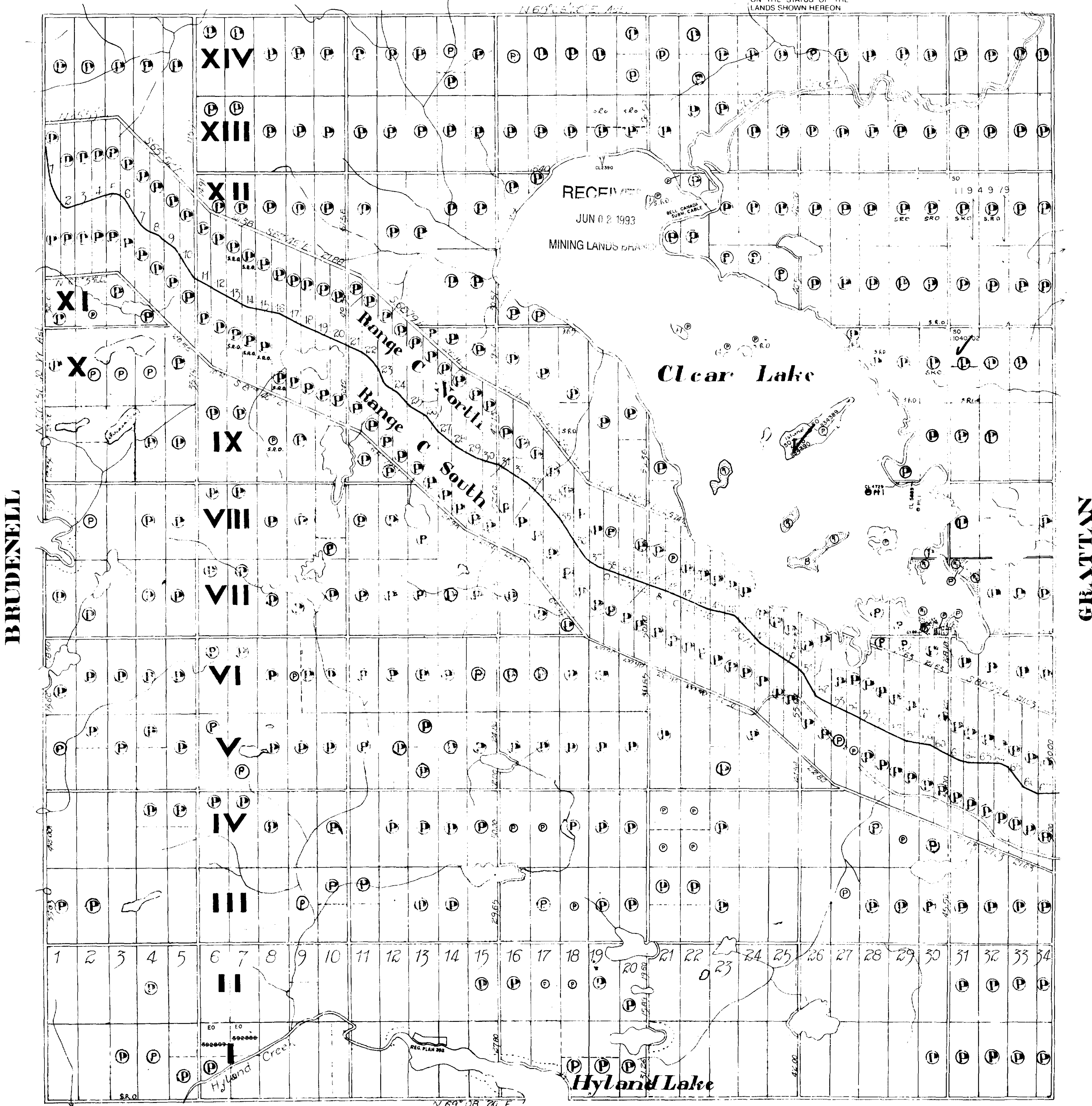
SOUTH ALGONA **DUPLICATE COPY**

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

**LEGEND**

- CANCELLED
- PATENTED LAND
- CROWN LAND SALE
- LEASES
- LOCATED LAND
- LICENSE OF OCCUPATION
- MINING RIGHTS ONLY
- SURFACE RIGHTS ONLY

- C
- ⊙
- CS
- ⊙
- LOC
- L.O.
- M.R.O.
- S.R.O.



400' wide around all lakes & rivers.

GRIFFITH

PLAN NO M.148



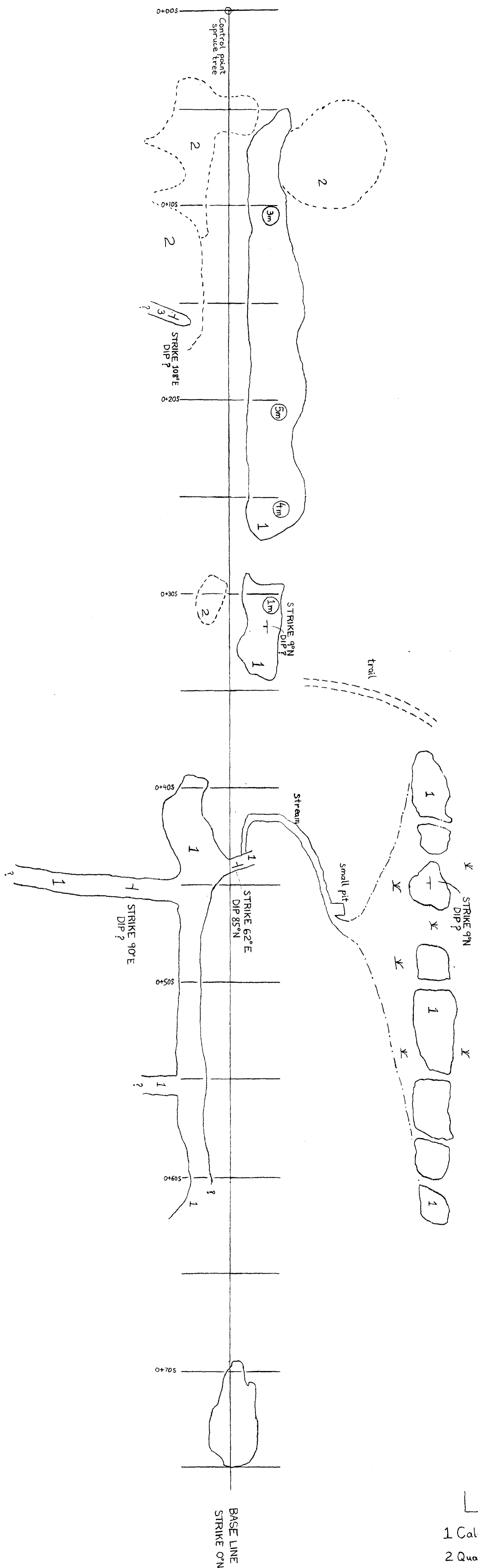
31F08NE9550 2.15046 SEBASTOPOL

200

RES. GEO. TWEED

15046  
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Old Smart Mine Workings  
 on the Harper-Bolton Claim

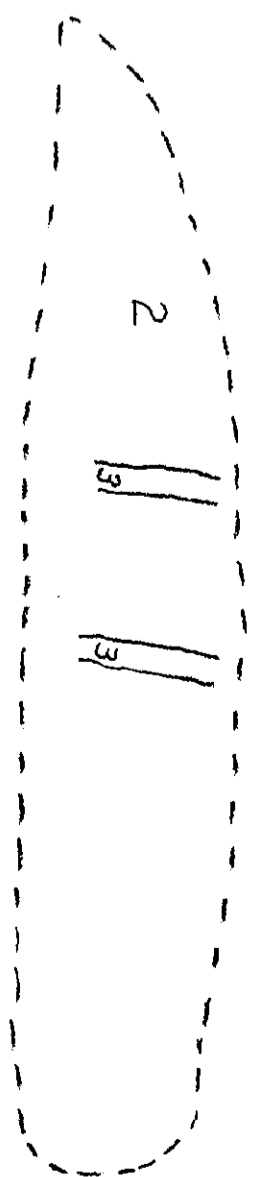
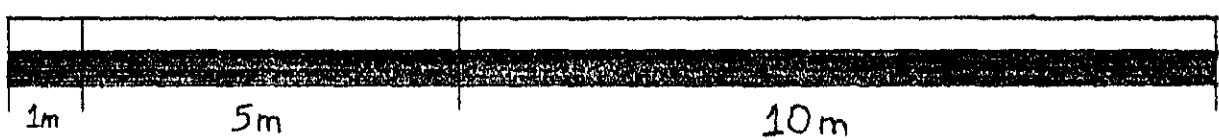


LEGEND

- 1 Calcite - apatite - feldspar - pyroxene vein
- 2 Quartz monzonite
- 3 Granite pegmatite
- (3m) Depth of trench
- Outcrop
- (X) marsh
- + strike and dip

Oliver Bolton  
 March 1 1993  
 Oliver Bolton

Scale 1cm:1m



# Recent Excavations on the Harper-Bolton Claim

## LEGEND

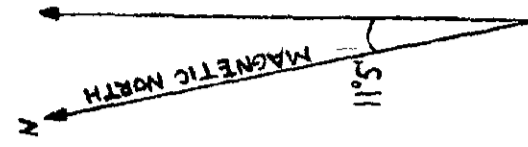
- 1 Calcite-apatite-feldspar-pyroxene veins
- 2 Quartz monzonite
- apa. apatite
- bio. biotite
- feld. feldspar
- pyro. pyroxene
- strike and dip of calcite vein

2. 15046

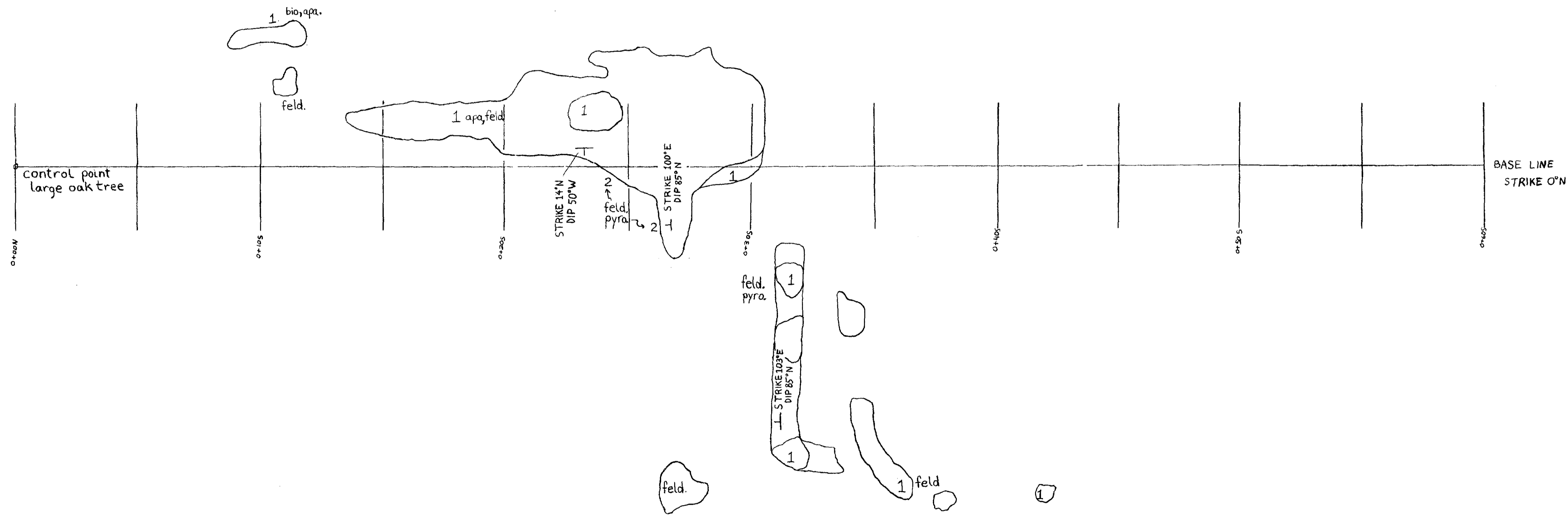
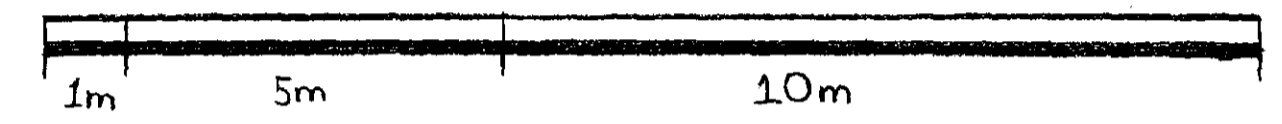
RECENT

JUN 02 1993

MINING LANDS



Scale 1cm:1m



Oliver Bolton  
Feb. 27 1993  
*Oliver Bolton*

