



42114SE8400 2.14874 CARROLL

010

MOOSE RIVER GYPSUM DEPOSIT

PHYSICAL WORK REPORT
CARROLL & CANFIELD TWPS.

2

RECEIVED

FEB 02 1993

MINING LANDS BRANCH

INTRODUCTION

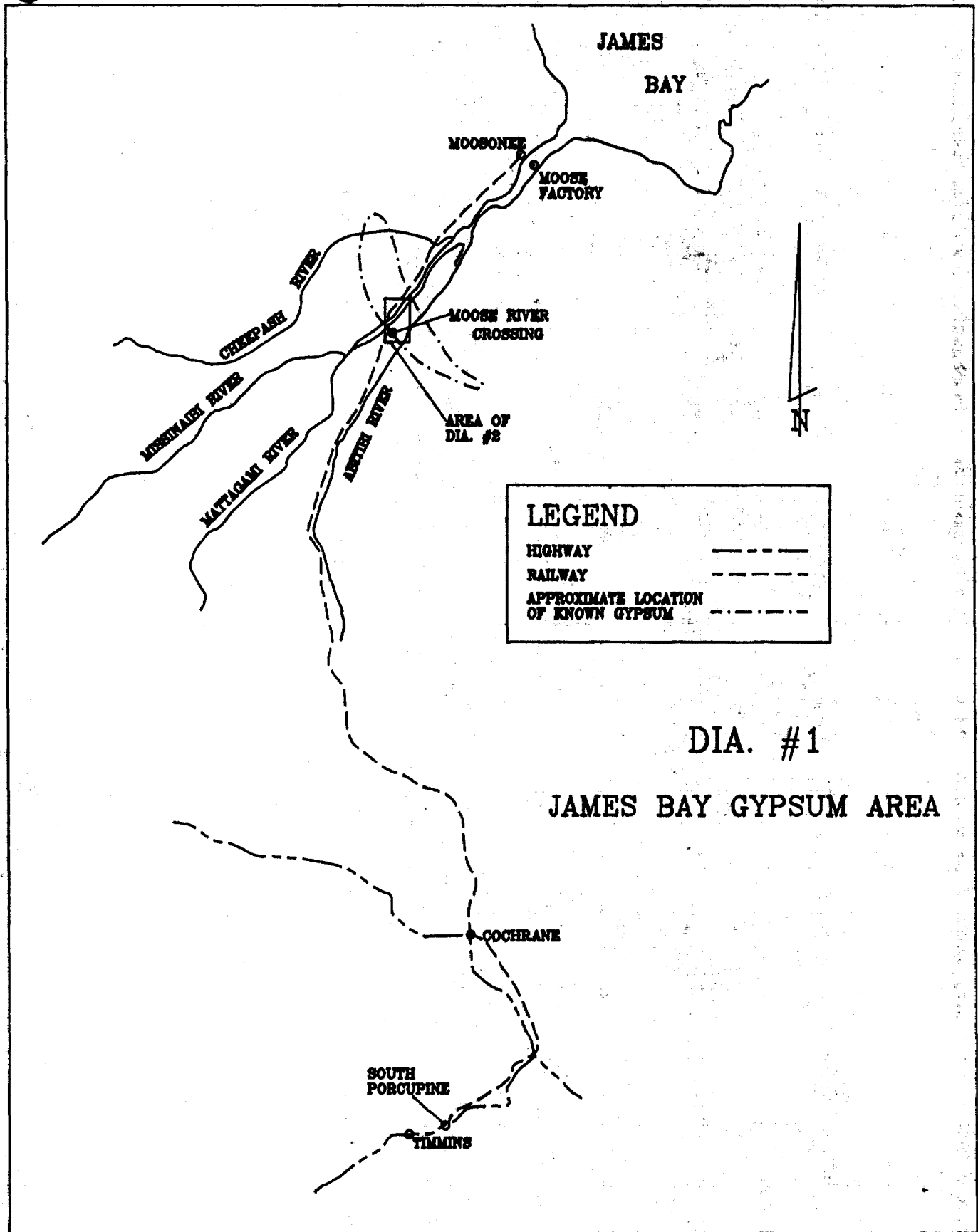
The James Bay Gypsum Development Group consists of four privately owned companies or proprietorships from Ontario. This group has been interested in the development of the gypsum deposits of the James Bay Basin for approximately four years. From May 1991 to March 1992 the group created two plans for developing these deposits. Both plans require that gypsum is available so that samples may be taken for research and development. A digital base map of the Moose River Gypsum property was created from various sources in order to identify and locate features that might indicate the presence of gypsum on or near the surface. Eleven features of interest were identified in total (marked as S1, S2... on diagram #2). The base map was also used to plan and perform work on the property. Physical work was carried out on the property in order to further investigate the features of interest and to search for accessible gypsum. This report will document all the results of the physical work and provide conclusions and recommendations.

LOCATION AND ACCESS

Diagram #1 is a key map showing the location of the Moose River Property. The property is in Carroll and Canfield Townships, Porcupine Mining District and consists of sixteen contiguous claims numbered 1131388, 1131389, 1131390, 1170583, 1170584, 1170585, 1170586, 1170587, 1170589, 1170590, 1188872 (15 units), 1188873 (9 units), 1188874 (4 units), 1188875 (1 unit), 1188876 (2 units) and 1188877 (1 unit).(See Diagram #2). The Ontario Northland Railway was used to access the property.

TOPOGRAPHY

The property is covered by spruce, poplar, birch and alder. The railway line divides the property into two distinct vegetation areas. To the North of the railway is low-lying spruce and alder swamp. To the South of the railway and bounded to the North by the Moose River is generally higher ground with a mix of the deciduous and coniferous trees. A distinct ridge runs through the property south of the rail and roughly parallel to the river and rail.



DIA. #1

JAMES BAY GYPSUM AREA

SITE #4

This site is a feature of interest because it is topographically similar to the location where gypsum was found near the surface in 1956. This site was visited however digging was not practical due to the swamp conditions surrounding the lake. Pit # P5 was excavated nearby. See diagram #2 for materials found.

SITE #5

This site is a feature of interest because it is similar in appearance (on air photos) to the small, round ponds that are associated with Karst topography. This site was visited however digging within a 300' radius of the site was not practical due to the wet ground surrounding the pond.

SITE #6

Not visited.

SITE #7

Not visited.

SITE #8

Not visited.

SITE #9

This site is a feature of interest because it is similar in appearance (on air photos) to the small, round ponds that are associated with Karst topography. This site was visited however digging was not practical due to the wet ground surrounding the ponds.

SITE #10

Not visited

SITE #11

This site (the entire ridge is site #11) is a feature of interest because it is the main relief in the area. It is hoped that information gained about selected areas along the ridge will contribute greatly to the general model that our group is developing for the property. This site became the focus for physical work for this field trip because of the ground conditions at the above mentioned sites. Sixteen pits were excavated along to north foot of the ridge. See diagram #2 for materials found in these pits.

SAMPLE DESCRIPTIONS

SAMPLE #1

Light brown to brown moist limestone clay with very occasional well rounded fragment, Lacustrine clay, approximately 10% organics.

SAMPLE #2

Dirty porous limestone boulder, sub-rounded.

SAMPLE #3

Coarse till, well rounded clasts (over 9 cm.), mostly limestone clasts in a limestone matrix. Also 1 sub angular coarse grained granitic boulder.

SAMPLE #4

Fine to coarse polymictic till, one highly weathered granitic boulder, well rounded limestone clasts.

SAMPLE #5

Same as sample #4 but with one large mafic clast.

SAMPLE #6

Angular fragments of limestone.

SAMPLE #7

Coarse till, strong local component of angular bedded limestone.

SAMPLE #8

Quartz biotite granite.

SAMPLE #9

Organic soil.

SAMPLE #10

Small sub-angular limestone fragments showing layering and a few vugs.

SAMPLE #11

Stream bed sample. approximately 10% organics, 20% sand, and sub-angular to well rounded mainly limestone gravel (less than 3cm.).

SAMPLE #12

Dirty, very porous limestone boulder with crude layering.

PHYSICAL WORK

Physical work was carried out on the property from October 21/1992 to October 27/1992. Using the digital base map as a guide and a Magellan Global Positioning System Receiver (model NAV 1000 PLUS) for position seven out of eleven features of interest were visited. (See Diagram #2).

The digging of numerous test pits was also carried out in areas where sinkholes were found, where creek beds cut deeply into the landscape, or where uprooted trees made it practical for digging. All digging was done using a mattock, axe, and narrow shovel. A 1.5m steel rod was also used to probe further into the overburden in search of gypsum or related mineral beds. The steel rod proved particularly valuable for determining where to dig because the minerals found (mainly limestone clasts) were soft enough to leave white powder on the tip of the rod after pounding.

Diagram #2 indicates the site/pit locations, pit dimensions, sample locations and the nature of any material found. Most of the pits are located in light brown to brown moist limestone clay with approximately 10% organics. Where pits are near water and swamp the clay is darker with a higher organic content. See codes on diagram #2 for descriptions of specific pits and sites.

SITE VISITS

SITE #1

This site is a feature of interest because it is topographically similar to the location where gypsum was found near surface in 1956 (Assessment file # T-634, also this location is indicated in the South-West corner of diagram #2). This site was visited however digging was not practical due to the swamp conditions surrounding the lake. Pit # P4 was excavated nearby in a sinkhole. The pit was excavated 4' lower than the bottom of the sinkhole that was already 5' lower than the surrounding ground. See diagram #2 for materials found.

SITE #2

This site was visited at the same time site #1 was visited. Due to similar conditions as mentioned above pit # P4 was the only pit excavated near site #2.

SITE #3

This site is a feature of interest because it is similar in appearance (on air photos) to the small, round ponds that are associated with Karst topography. This site was visited however digging on site was not practical due to the wet ground surrounding the pond. Pits # P10 and #P11 were excavated nearby. See diagram #2 for materials found.

CONCLUSIONS

Based on the areas visited and excavated there appears to be an uninterrupted layer of limestone clay or coarse to fine till covering the property. If gypsum or limestone beds exist below these layers they are not at depths accessible (within practical reason) to the hand tools used on this field trip.

RECOMMENDATIONS

To continue the search for accessible gypsum a diamond drill or hammer drill could be used to penetrate deeper into the overburden. Other possible methods include a seismic or resistivity survey to determine overburden depths.

TIME RECORD

MOOSE RIVER GYPSUM PROPERTY OCTOBER 1992

DATE	NAME	EQUIPMENT	HOURS
OCT. 21/92	KEVIN COOL	G.P.S. RECEIVER, SHOVEL, MATTOCK	5
OCT. 22/92	"	"	9
OCT. 23/92	"	"	9
OCT. 24/92	"	"	9
OCT. 25/92	"	"	9
OCT. 26/92	"	"	9
OCT. 27/92	"	"	3
OCT. 21/92	MARK KEAN	G.P.S. RECEIVER, SHOVEL, MATTOCK	5
OCT. 22/92	"	"	9
OCT. 23/92	"	"	9
OCT. 24/92	"	"	9
OCT. 25/92	"	"	9
OCT. 26/92	"	"	9
OCT. 27/92	"	"	3
		TOTAL MAN HOURS	106
		RATE: \$20/MAN HOUR	
		(\$2,120.00)	

2.14084



421145E8400 2.14874 CARROLL

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**MOOSE RIVER
GYPSUM DEPOSIT**

**DIGITAL BASE MAP
CARROLL & CANFIELD TWPS.**

RECEIVED

JAN 19 1993

MINING LANDS BRANCH

INTRODUCTION

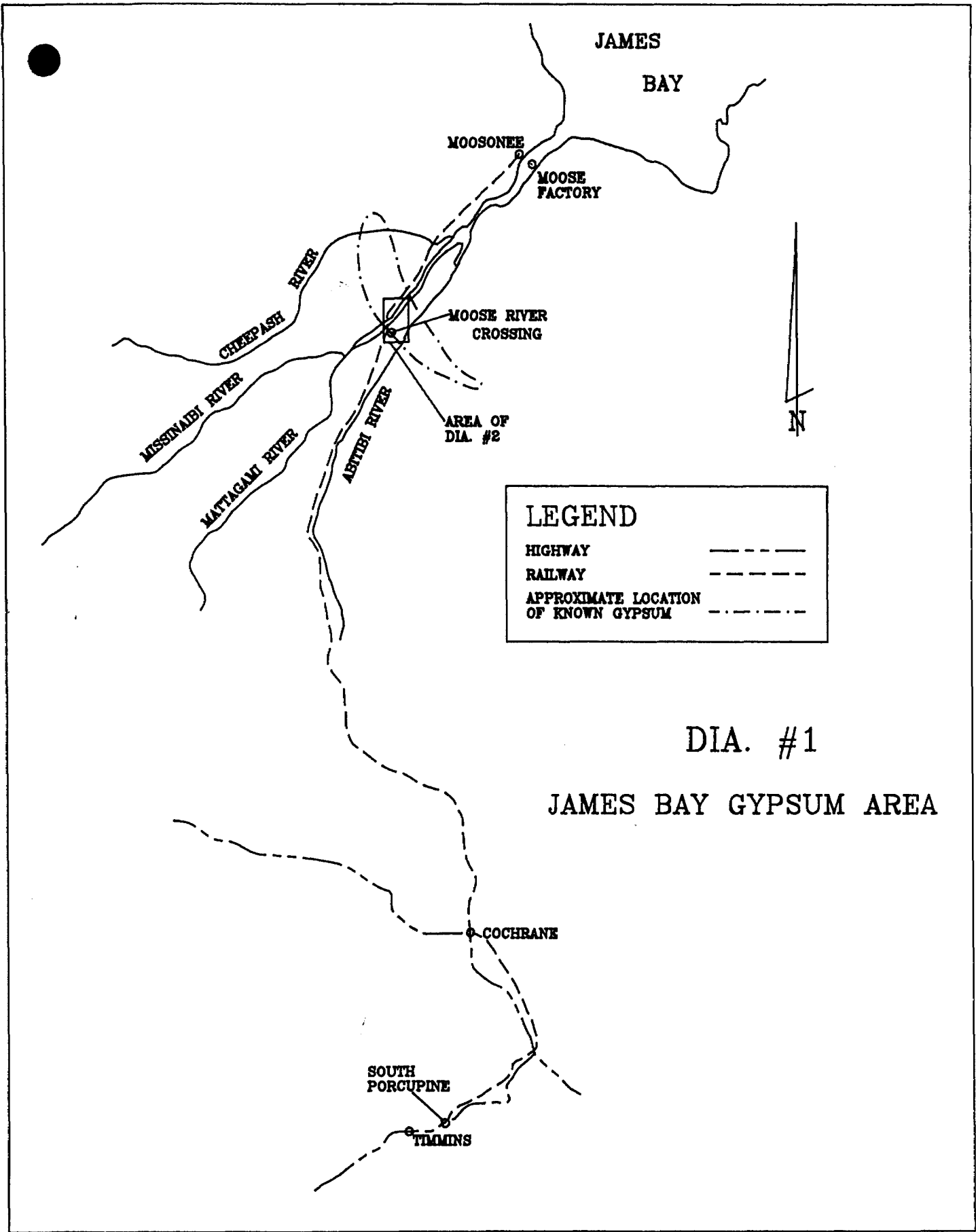
The James Bay Gypsum Development Group consists of four privately owned companies or proprietorships from Ontario. This group has been interested in the development of the gypsum deposits of the James Bay Basin for approximately four years. From May 1991 to March 1992 the group created two plans for developing these deposits. Both plans require that gypsum is available so that samples may be taken for research and development. A digital base map of the Moose River Gypsum property (see diagram #1 for property location) was created from various sources in order to identify and locate features that might indicate the presence of gypsum on or near the surface. Eleven features of interest were identified in total (marked as S1, S2... on diagram #2). The base map was also used to plan and perform work on the property. Physical work was carried out on the property in order to further investigate the features of interest and to search for accessible gypsum. This report will describe the digital base map and the methods used for its production.

DESCRIPTION

The base map was created using AutoCad release 12. It covers the townships of Carroll and Canfield, Porcupine Mining District, Ontario. It consists of many layers which are categorized and described below. The sources of information used for producing the map are also listed below. Sources for specific layers are listed under the "layer description" heading. This digital base map was not created to display all layers simultaneously. The intent was to create one map source with the ability to display spatial data in many possible configurations. The hard copies supplied with this report are samples of configurations made possible by the creation of the digital base map.

METHOD

All of the sources were digitized using an 18" x 12" Summagraphics digitizing tablet linked to a 486 DX personal computer system using DOS version 5 operating system. The township corners were used as calibration points for all of the sources except the air photos (sources #8 and #10). The intersection of the north shore of the Moose River/Ontario Northland Railway line and the intersection of a trail/Ontario Northland Railway line were used as calibration points for Source #8. Various prominent topographic features, near the principle points of the photos, were used as calibration points for source #10.



JAMES
BAY

MOOSONEE

MOOSE
FACTORY

CHEEPASH
RIVER

MISSINABI RIVER

MATTAGAMI RIVER

ABITIBI RIVER

MOOSE RIVER
CROSSING

AREA OF
DIA. #2



LEGEND

- HIGHWAY - - - - -
- RAILWAY
- APPROXIMATE LOCATION
OF KNOWN GYPSUM -

DIA. #1

JAMES BAY GYPSUM AREA

COCHRANE

SOUTH
PORCUPINE

TIMMINS

SOURCES

- 1- Map created by the Ministry of Natural Resources Surveys and Mapping Branch entitled Carroll, District of Cochrane, Porcupine Mining Division. Scale 40 chains = 1 inch. Obtained from the Porcupine Mining Division Recording Office, Timmins, Ontario. (PLAN M-439)
- 2- Map created by the Ministry of Natural Resources Surveys and Mapping Branch entitled Canfield, District of Cochrane, Porcupine Mining Division. Scale 40 chains = 1 inch. Obtained from the Porcupine Mining Division Recording Office, Timmins, Ontario. (PLAN M-436)
- 3- Map created by the Ministry of Natural Resources Surveys and Mapping Branch entitled Blacksmith Rapids, Ontario. Scale 1 inch to 2 miles. Obtained from Surveys and Mapping Branch, Ministry of Natural Resources, Queens Park, Toronto, Ontario.
- 4- Ontario Mineral Map, specific title unknown at time of writing this report. Map contains Carroll and Canfield Townships including vertical sections through the area. Photocopies of this map were used for digitizing purposes.
- 5- Maps from assessment file #T-427 completed by the James Bay Basin Oil Company in 1929.
- 6- Maps from assessment file #T-634 completed by Atlas Gypsum Corporation in 1955/56.
- 7- Maps of the Moose River Crossing area from the open file report of the gypsum of the James Bay Lowland area obtained from the Timmins Resident Geologists office.
- 8- Air photos, Scale 1:37700 (approximate) obtained from the National Air Photo Library, Ottawa, Ontario.
- 9- Map produced by The Canada Centre For Mapping, Department of Energy Mines and Resources, entitled Moose River, Cochrane District, Ontario. Scale 1:250,000. Obtained from The Ministry of Natural Resources, Cochrane Ontario.
- 10-Sixteen air photos, approximate scale 1: 16,500, obtained from The Ministry of Natural Resources, Natural Resource Infocentre, Room M1-73, McDonald Block, 900 Bay St., Toronto, Ont., M7A 2C1.

CATEGORIES

All information from the above sources fall into the following categories and into the drawing layers named.

- Contours
- Streams/Lakes
- Roads/Trails
- Railroads
- Surface Cover
- Geology
- Cultural Detail
- Survey Fabric
- Claims (current and historical)
- Assessment History
- Reserved Land
- Features of Interest

CATEGORY	RELATED LAYERS
CONTOURS	CONTOURS
STREAMS/LAKES	WATER
	WATER1
	WATER2
	WATER3
ROADS/TRAILS	TRAILS
RAILROADS	RAIL
SURFACE COVER	SURFACE
	SURFACE1
GEOLOGY	GEOLOGY
	GEOLOGY1
	GEOLOGY2
CULTURAL DETAILS	CULTURE
SURVEY FABRIC	SURVEY
CLAIMS	CLAIM
	CLAIM1
	CLAIM2
ASSESSMENT HISTORY	T427
	T634
RESERVED LAND	RESERVE
FEATURES OF INTEREST	FOI

LAYER DESCRIPTIONS

CONTOURS

The CONTOURS layer contains contour lines and bench mark locations. Source #3 - bench mark locations. Source #9 - contours.

WATER

The WATER layer contains rivers and lakes. Source #1&2.

WATER1

The WATER1 layer contains rivers, streams, and ponds that were obtained from Source #3 but not positively identified on air photos (source #3 and #10).

WATER2

The WATER2 layer contains streams and ponds that were obtained from Source #6 but not positively identified on air photos. (source #8 and #10)

WATER3

The WATER3 layer contains rivers, lakes, streams and ponds. Source #8 and #10.

TRAILS

The TRAILS layer contains trails, some of which were old logging roads. Sources #8, #10, #3, and #7.

RAIL

The RAIL layer contains the railways. Source #1&2

SURFACE

The surface layer contains an interpretation of the vegetation types, and the location of a major ridge. Source #8 and #10.

SURFACE1

The SURFACE1 layer contains the surface cover information from assessment file #T-634. Source #6.

GEOLOGY

The GEOLOGY layer contains outcrops and outcrop descriptions. Source #7.

GEOLOGY1

The GEOLOGY1 layer contains gypsum outcrops from assessment file #T634. Source #6.

GEOLOGY2

The GEOLOGY2 layer contains an outline of the gypsum area known to date. Source #4.

CULTURE

The CULTURE layer contains the community of Moose River Crossing. Source #7.

SURVEY

The SURVEY layer contains the Carroll and Canfield Township lines. Sources #1&2.

CLAIM

The CLAIM layer contains the claims held by the James Bay Lowland Gypsum Development Group. Sources #1&2

CLAIM1

The CLAIM1 layer contains the claims currently held by parties other than the James Bay Lowland Gypsum Development Group. Sources #1&2.

CLAIM2

The CLAIM2 layer contains the claims that were held by other parties in the past. It is not a complete history of claims held in the area. Sources #1, #2, #5, and #6.

T427

The T427 layer contains the diamond drill hole locations from assessment file #T-427.(The James Bay Basin Oil Company) Source #5.

T634

The T634 layer contains the property, grid, cross-section location and basic information from assessment file #T-634. (The Atlas Gypsum Corporation) Source #6.

RESERVE

The RESERVE layer shows the location of any reserves. (mineral related reserves) Sources #1&2.

FOI

The FOI layer contains a symbol and number for each of the eleven features of interest identified on this base map. The features or sites are numbered S1, S2, ...

TIME RECORD

MOOSE RIVER GYPSUM PROPERTY SEPTEMBER/OCTOBER 1992

DATE	NAME	DESCRIPTION	HOURS
SEPT. 28/92	KEVIN COOL	DIGITIZING SOURCE #1	10
SEPT. 29/92	KEVIN COOL	DIGITIZING SOURCE #6	6
SEPT. 30/92	KEVIN COOL	DIGITIZING SOURCE #6	6
OCT. 1/92	KEVIN COOL	DIGITIZING SOURCE #7	8
OCT. 2/92	KEVIN COOL	DIGITIZING SOURCE #7	8
OCT. 3/92	KEVIN COOL	DIGITIZING SOURCE #3	10
OCT. 4/92	KEVIN COOL	CREATE LAT/LONG GRID	3
OCT. 4/92	KEVIN COOL	CREATE AND ORGANIZE LAYERS	4
OCT. 5/92	KEVIN COOL	DIGITIZING SOURCE #2	10
OCT. 6/92	KEVIN COOL	LEGEND,SCALE BAR AND OTHERS	6
OCT. 7/92	KEVIN COOL	DIGITIZING SOURCE #4	1
OCT. 7/92	KEVIN COOL	DIGITIZING SOURCE #5	1
OCT. 9/92	KEVIN COOL	DIGITIZING SOURCE #8	10
OCT. 10/92	KEVIN COOL	DIGITIZING SOURCE #8	10
OCT. 11/92	KEVIN COOL	DIGITIZING SOURCE #9	2
OCT. 11/92	KEVIN COOL	DIGITIZING SOURCE #10	10
OCT. 12/92	KEVIN COOL	DIGITIZING SOURCE #10	10
OCT. 13/92	KEVIN COOL	MISC. DRAWING ORGANIZATION	8
		TOTAL HOURS OF COMPUTER DIGITIZING AND DRAFTING. RATE \$50/Hour (\$6,150)	123



42114SE8400 2.14874 CARROLL

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Mining Lands Section
159 Cedar Street, 44th Floor
Sudbury, Ontario
P3E 6A5

Telephone: (705) 670-7264
Fax: (705) 670-7262

File: 2. 14874

Mr. Bob Owen
Ontario Geological Survey
77 Grenville Street
Room 812
Toronto, Ontario
M7A 1W4

Dear Sir:

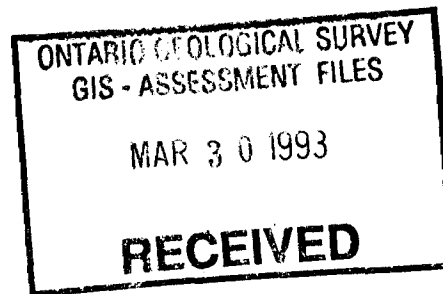
Re: Work submitted on mining claims 1131390 et al. in
the Township/Area of Carroll

As per your request, we are highlighting this file as the
work falls under the category of Assays, Rehabilitation,
Other (Specify).

For further information, please contact Ted Anderson
at (705) 670-7264.

yours sincerely,

Ron C. Gashinski
Provincial Manager, Mining Lands
Mines & Minerals Division



/jl

This work report has been deleted from G.A.S. Files.
The report was approved by the Mining Recorder
as Physical Work.



50 HILLSDALE AVENUE
TIMMINS, ONTARIO
P4N 2S7

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines (705) 360-8330
Fax: 264-8723

February 19, 1993.

Mr. Kevin Cool
190 Queen Avenue
Timmins, Ontario
P4N 4L7

Dear Mr. Cool:

Subject: Work Reports W9260.00169 and W9260.00170
Carroll Township

With respect to the two above-noted work reports, please be advised that it is not possible for us to combine them and treat them as only one submission. However, each one has been approved for the assessment credits claimed. Work Report W9260.00169 was amended so that the production of digital base map is classified as Physical Work and not Other Authorized Work.

I have enclosed a copy of each work report form, indicating the approval date.

Yours sincerely,

Gary White
Mining Recorder
Porcupine Mining Division

/tb

cc: B. Kite, Supervisor, Geoscience Approvals Section

Encl.

Report of Work Conducted After Recording Claim

Mining Act

MINING LANDS
 Transaction Number
W9260.00/69

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.

2.14874

- 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) KEVIN COOL		Client No. 120650
Address 190 QUEEN AVE. TIMMINS ONT P4N 4L7		Telephone No. 705-267-5363
Mining Division PORCUPINE	Township/Area CARROLL TWP	M or G Plan No. M-439
Dates Work Performed From: SEPT. 28/92		To: OCT. 13/92

Work Performed (Check One Work Group Only)

Work Group	Type
<input type="checkbox"/> Geotechnical Survey	RECEIVED
<input type="checkbox"/> Physical Work, Including Drilling	JAN 19 1993
<input type="checkbox"/> Rehabilitation	MINING LANDS BRANCH
<input type="checkbox"/> Other Authorized Work	PRODUCTION OF DIGITAL BASE MAP CARROLL/CANFIELD TWP.
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

Total Assessment Work Claimed on the Attached Statement of Costs \$ **6,268.82**

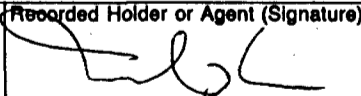
Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

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

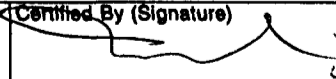
Name	Address
KEVIN COOL - GENERAL	
SURVEYS AND EXPLORATIONS	190 QUEEN AVE, TIMMINS ONTARIO P4N-4L7

(attach a schedule if necessary)

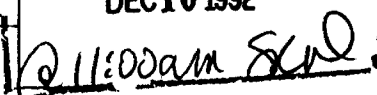
Certification of Beneficial Interest * See Note No. 1 on reverse side

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 DEC 9/92	Recorded Holder or Agent (Signature) 
--	-------------------------	---

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.			RECORDED DEC 10 1992
Name and Address of Person Certifying MARK KEAN			
Telephone No. 705-264-2048	Date DEC 9/92	Certified By (Signature) 	Receipt _____

For Office Use Only

\$6,268.	Date Recorded DEC. 10/92	Mining Recorder St. White Mining Recorder	RECEIVED DEC 10 1992 
	Deemed Approval Date MAR. 10/93.	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

W9260.00169

Mining Act/Loi sur les mines

2,14874

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^e 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 PRODUCTION DIGITAL BASE MAP	6,150	
			6,150
Supplies Used Fournitures utilisées	Type MAPS	29.54	
	AIR PHOTOS	72.98	
	SUPPLIES	15.25	
			117.82
Equipment Rental Location de matériel	Type RECEIVED		
	JAN 19 1993		
Total Direct Costs Total des coûts directs			6,267.82

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		
Food and Lodging Nourriture et hébergement			
Mobilization and Demobilization Mobilisation et démoblisation			
Sub Total of Indirect Costs Total partiel des coûts indirects			
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)	

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 RECORDED HOLDER / AGENT I am authorized (Recorded Holder, Agent, Position in Company)

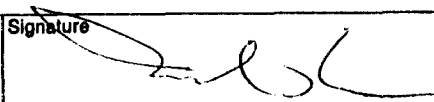
to make this certification

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  Date Dec 9/92

Report of Work Conducted After Recording Claim
Mining Act

Mining Lands
Transaction Number
W9260.00170

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.

2.14874

- 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) KEVIN COOL P4N-4L7	Client No. 120650
Address 190 QUEEN AVE. TIMMINS ONT.	Telephone No. 705-267-5363
Mining Division PORCUPINE	Township/Area CARROLL TWP.
	M or G Plan No. M-439
Date Work Performed From: OCT 21/92	To: OCT 27/92

Work Performed (Check One Work Group Only)

Work Group	Type
Geotechnical Survey	
Physical Work, Including Drilling	DIGGING TEST PITS, POUNDING STEEL
Rehabilitation	ROD FOR OVERBURDEN DEPTH
Other Authorized Work	
Assays	
Assignment from Reserve	

MINING LANDS BRANCH

RECEIVED
RECORDED
DEC 10 1992
3,343.00

Total Assessment Work Claimed on the Attached Statement of Costs

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
KEVIN COOL - GENERAL	
SURVEYS & EXPLORATION	190 QUEEN AVE. TIMMINS ONT. P4N-4L7
MARK KEAN	BOX 200 TIMMINS ONT. P4N-7X8

(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 DEC 9/92	Recorded Holder or Agent (Signature) <i>[Signature]</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 MARK KEAN		
Telephone No. 705-264-2048	Date Dec 9/92	Certified By (Signature) <i>[Signature]</i>

For Office Use Only

Total Value Cr. Recorded 3,343	Date Recorded Dec 10 1992	Mining Recorder <i>[Signature]</i>	Received Stamp PORCUPINE MINING DIVISION RECEIVED DEC 10 1992 @ 11:00 am <i>[Signature]</i>
	Deemed Approval Date MARCH 10 1993	Date Approved	
	Date Notice for Amendments Sent		



Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des mines

**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

W9260.00170

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^e 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	2120.00	
	Field Supervision Supervision sur le terrain	-	2120.00
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type		
Supplies Used Fournitures utilisées	Type		
	CAMP SUPPLIES	276.83	
	SAMPLE SUPPLIES	64.50	
			341.33
Equipment Rental Location de matériel	Type		
	GPS RECEIVER	500.00	
RECEIVED		500.00	
Total Direct Costs			
Total des coûts directs			2962.00

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		
	RAIL	112.00	
	UAN (gas)	46.15	
			158.15
Food and Lodging Nourriture et hébergement	FOOD - GROCERIES	118.36	
	- BULK	15.17	
			133.53
Mobilization and Demobilization Mobilisation et démobilisation	MOB - DEMOB	90.00	
	6hr @ \$15/hr		
			90.00
Sub Total of Indirect Costs			
Total partiel des coûts indirects			381.68
Amount Allowable (not greater than 20% of Direct Costs)			
Montant admissible (n'excédant pas 20 % des coûts directs)			592.73
Total Value of Assessment Credit (Total of Direct and Allowable indirect costs)			3554.73
Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)			3554.73

MINING LANDS BRANCH

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	Evaluation 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 RECORD HOLDER/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	Date
	Dec 9/92

2-1-2004

APPENDIX

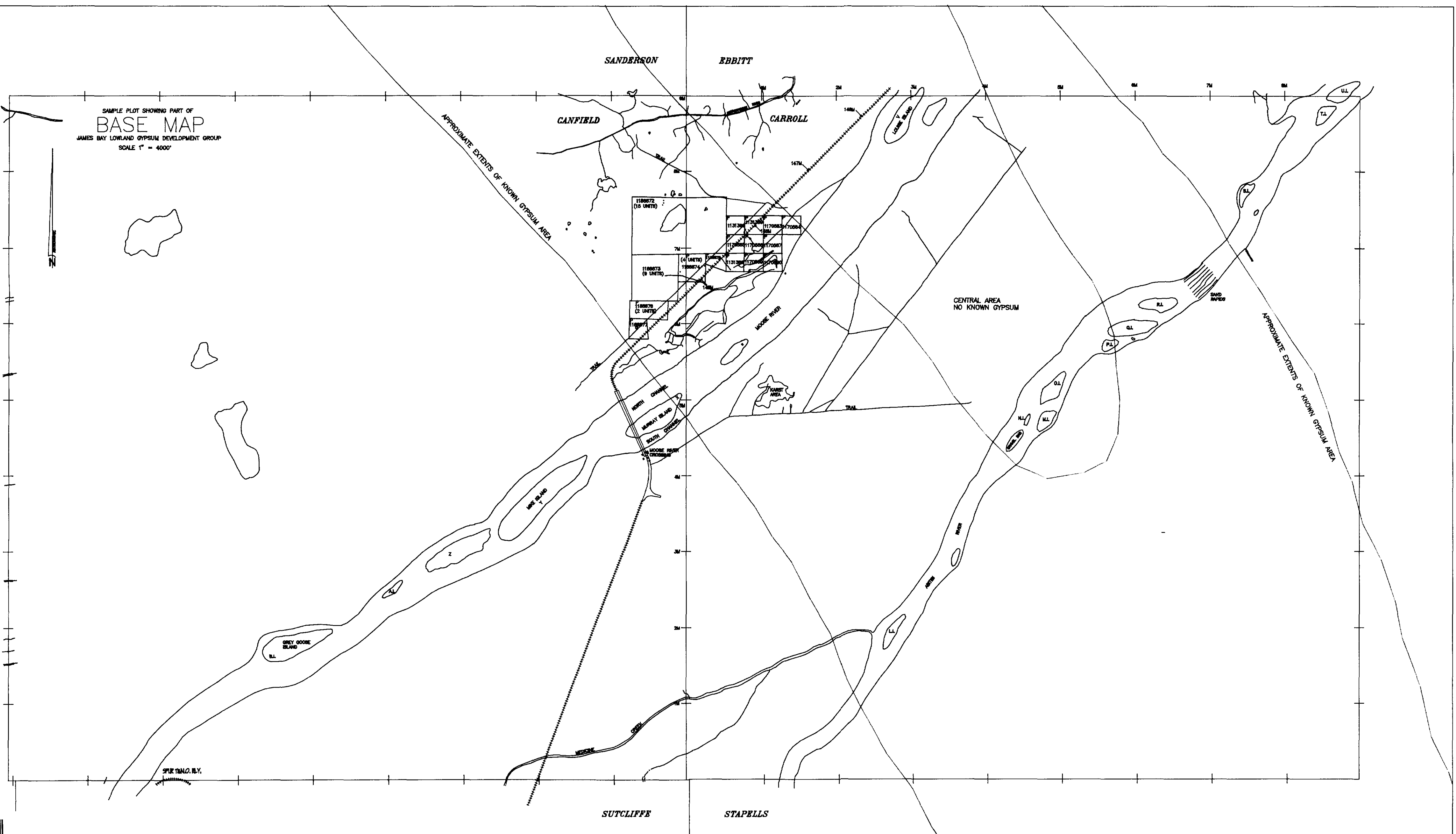
In the event that credits are cut back, take the credits off of " RESERVE: WORK TO BE CLAIMED AT A FUTURE DATE " starting with the last claim first.

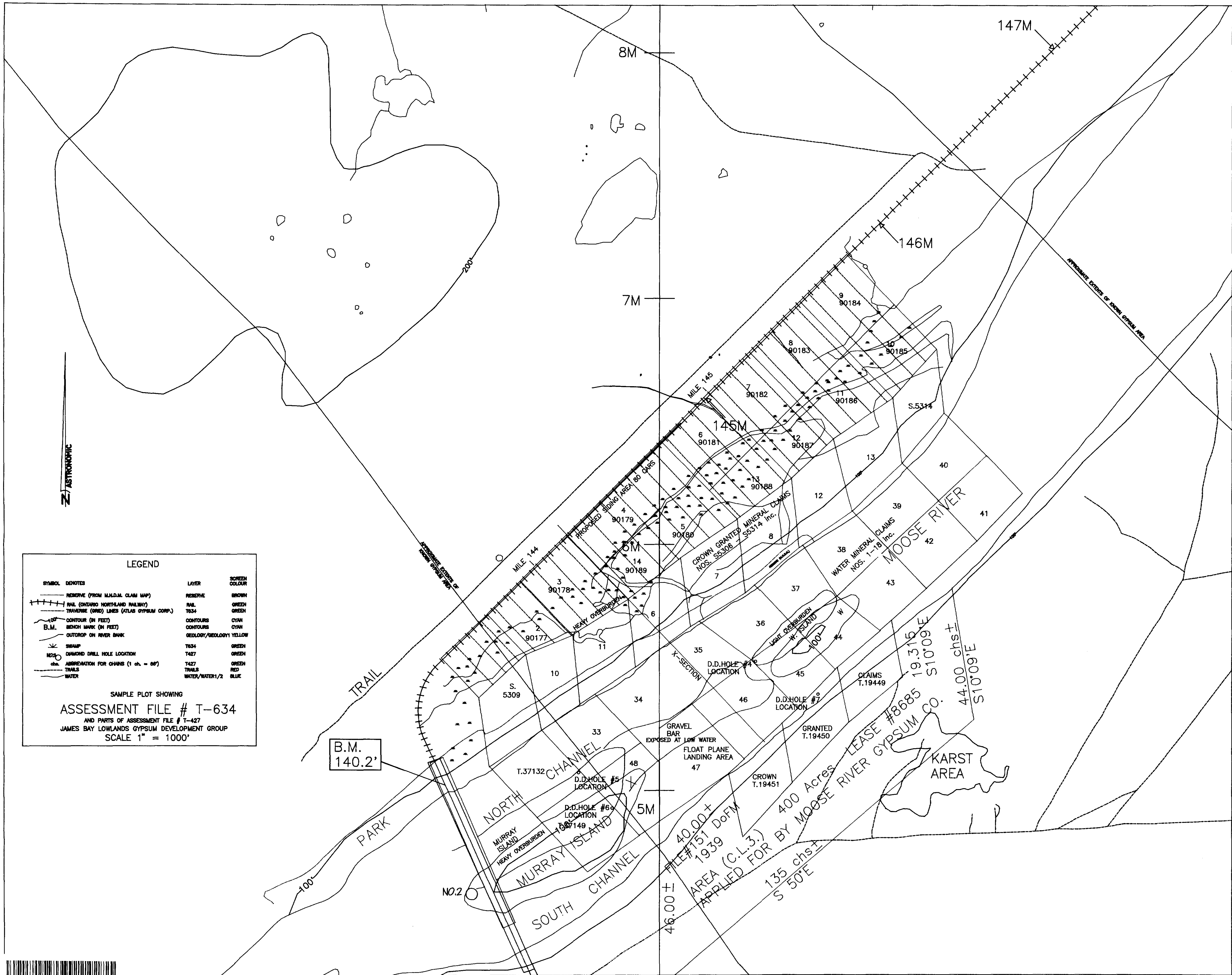
RECEIVED

FEB 02 1993

MINING LANDS BRANCH

SAMPLE PLOT SHOWING PART OF
BASE MAP
JAMES BAY LOWLAND GYPSUM DEVELOPMENT GROUP
SCALE 1" = 4000'



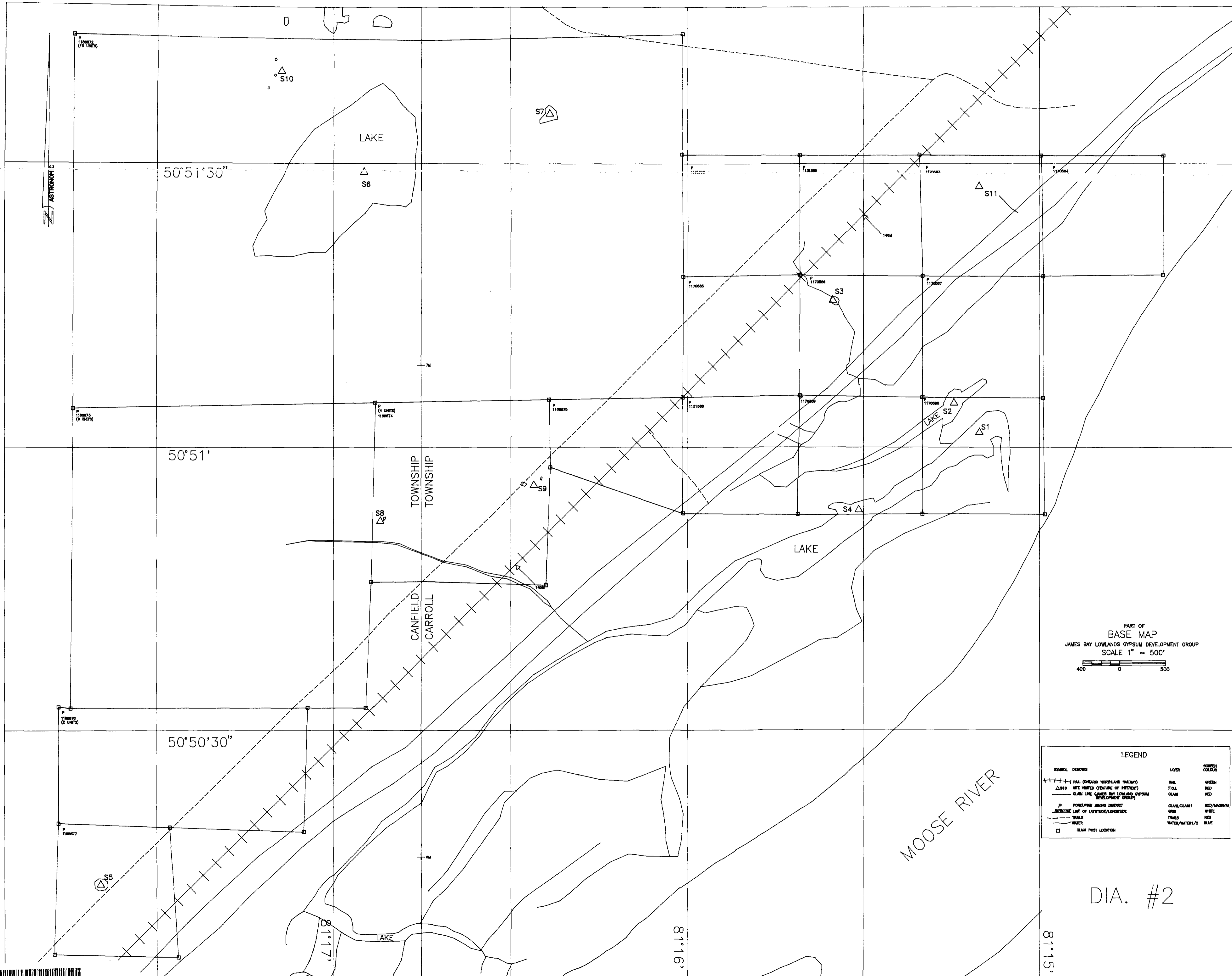


LEGEND

	RESERVE (FROM M.L.D.M. CLAIM MAP)	LAYER	SCREEN COLOUR
	RAIL (ONTARIO NORTHLAND RAILWAY)	RESERVE	BROWN
	TRAVERSE (ATLAS GYPSUM CORP.)	RAIL	GREEN
	CONTOUR (IN FEET)	T634	GREEN
	B.M. BENCH MARK (IN FEET)	CONTOURS	CYAN
	OUTCROP ON RIVER BANK	CONTOURS	CYAN
	SWAMP	GEOLOGY/GEOLOGY1	YELLOW
	DIAMOND DRILL HOLE LOCATION	T634	GREEN
	ABBREVIATION FOR CLAIMS (1 ch. = 00')	T427	GREEN
	TRAILS	T427	GREEN
	WATER	TRAILS	RED
		WATER/WATER1/2	BLUE

SAMPLE PLOT SHOWING
ASSESSMENT FILE # T-634
 AND PARTS OF ASSESSMENT FILE # T-427
 JAMES BAY LOWLANDS GYPSUM DEVELOPMENT GROUP
 SCALE 1" = 1000'





PART OF
 BASE MAP
 JAMES BAY LOWLANDS GYPSUM DEVELOPMENT GROUP
 SCALE 1" = 500'



LEGEND		
SYMBOL	DEFINITION	SCREEN COLOUR
+++++	RAIL (ORDINARY HIGHWAY AND HALFWAY)	GREEN
△	WELL (OR OTHER STRUCTURE OF INTEREST)	RED
—	CLAIM LINE (JAMES BAY LOWLAND GYPSUM DEVELOPMENT GROUP)	RED
P	POWELLING LINES DISTRICT	RED/AMBER
—	BOUNDARY LINE OF LATITUDE/LONGITUDE	WHITE
---	TRAILS	RED
---	WATER	BLUE
□	CLAIM POST LOCATION	BLUE

DIA. #2



