

RECEIVED



42A10NE0042 2.12938 WALKER

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DEC 05 1989

MINING LANDS SECTION

COMPILATION REPORT

ON

COSBY PROPERTY

WALKER TOWNSHIP

DISTRICT OF COCHRANE

LARDER LAKE MINING DIVISION

NTS 42/10

November, 1989

R. E. Gillick, MSc.

ROBERT E. GILLICK & ASSOCIATES LTD.



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1.0 SUMMARY:

A major east-west trending fault zone passes near the south boundary of the Cosby property. This zone may be similar in nature, including mineralization potential, to other east-west trending structural breaks in the area such as the Destor-Porcupine or Pipestone fault zones.

Two airborne EM conductors located in the northeast part of the Cosby claim group are believed to represent graphitic-pyritic horizons. Previous drilling further to the east in Wilkie Township suggests that these horizons may have regional extent and may be associated with shearing and mineralization.

A program of additional staking, induced polarization surveying and diamond drilling is recommended for the Cosby property.

2.0 INTRODUCTION:

The following report was prepared at the request of Mr. Merle S. Cosby of St. Catherines, Ontario, to provide a professional appraisal of his mining claims in Walker Township as to their potential for the localization of economic mineralization.

In preparing this report, the author has used the following sources of information:

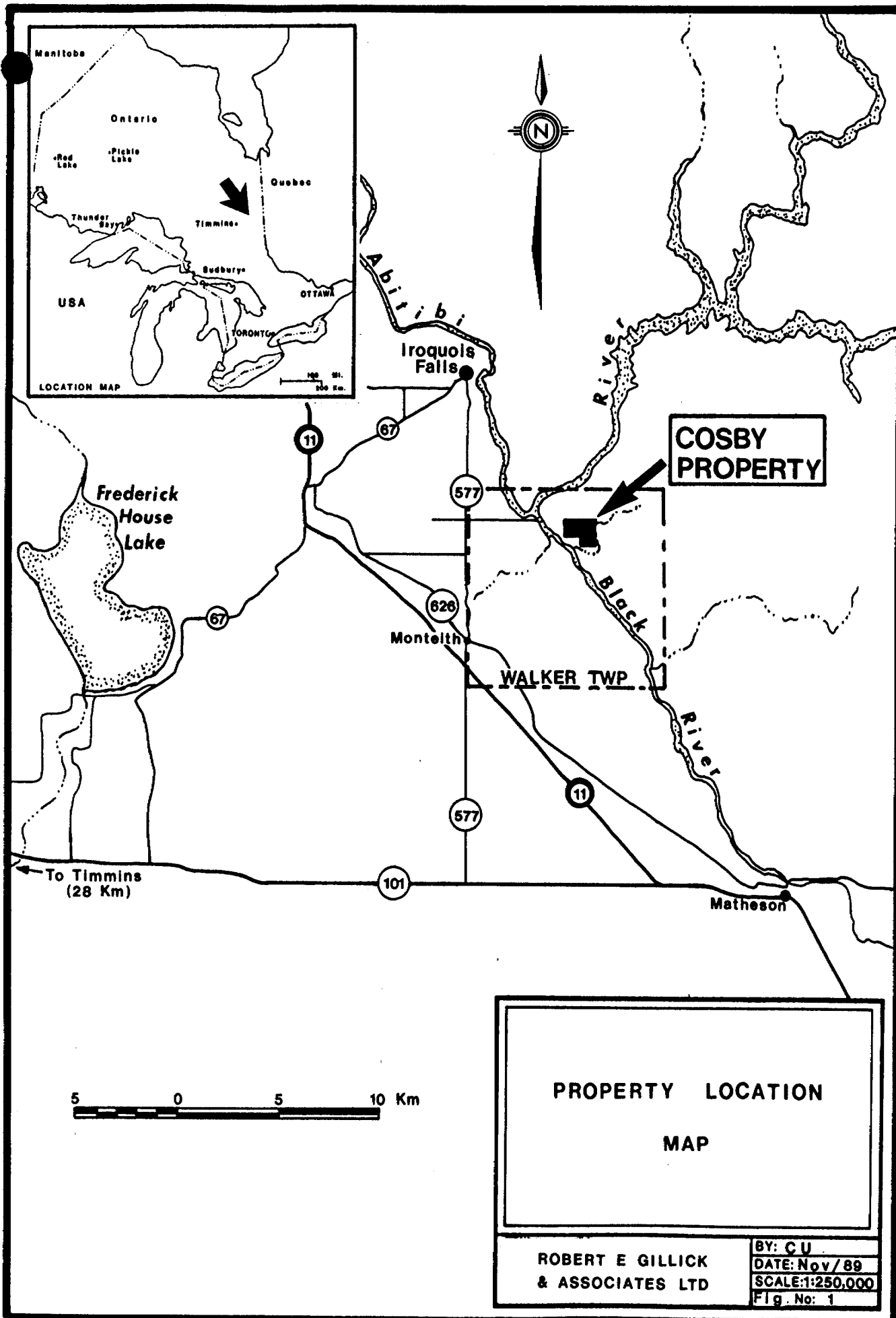
- a) Geophysical and geochemical data collected over the Cosby property during the last four years.
- b) Government assessment files containing information on the work history of the Cosby property and claims in the vicinity of the property.
- c) Ontario Geological Survey reports, studies and maps pertaining to the Black River-Matheson area.
- d) Airborne electromagnetic and magnetic maps of the Black River-Matheson area.
- e) A personal visit to the Cosby property on November 6, 1989.

3.0 PROPERTY DESCRIPTION, LOCATION AND ACCESS:

The Cosby property consists of a block of 10 contiguous unpatented mining claims located in Concession V, Lots 5 and 6, in Walker Township approximately 20 kilometres northwest of the town of Matheson in northern Ontario (Fig. No. 1).

The claims comprising the group are as follows (Fig. No. 2):

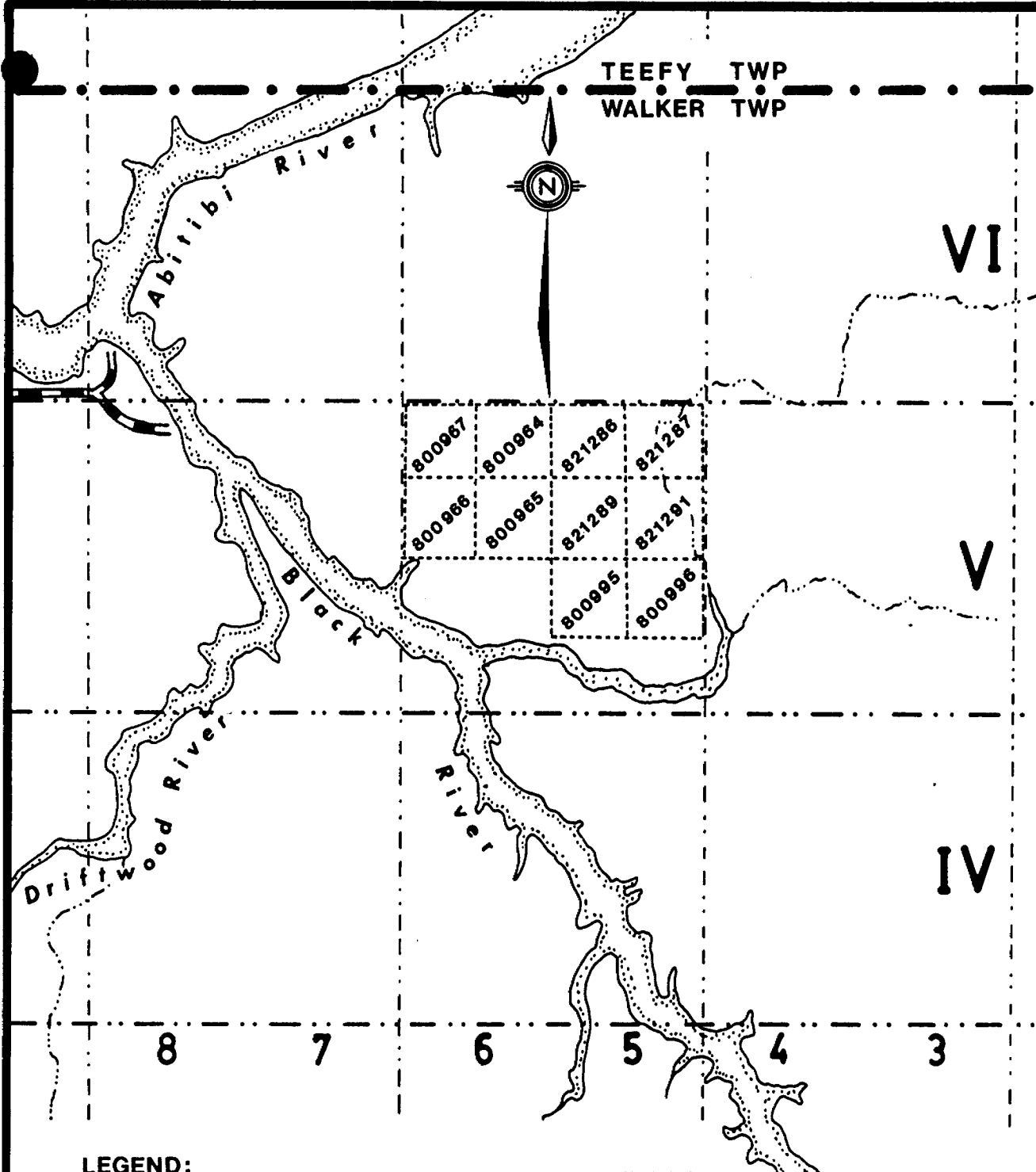
<u>Claim Number</u>	<u>Recording Date</u>
L 800964	October 29, 1984
L 800965	"
L 800966	"
L 800967	"
L 800995	October 17, 1984
L 800996	"
L 821286	"



**PROPERTY LOCATION
MAP**

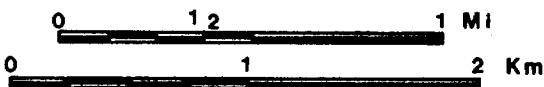
**ROBERT E GILLICK
& ASSOCIATES LTD**

**BY: C U
DATE: Nov / 89
SCALE: 1:250,000
Fig. No: 1**



LEGEND:

- Twp Line
- Concession Line
- Lot Line
- Claim Line
- Road



CLAIM SKETCH
 Cosby Property

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 & ASSOCIATES LTD**

BY: CU
 DATE: Nov/89
 SCALE: 1" = 1/2 MI
 Fig No: 2

Claim Number (cont'd)

Recording Date

L 821287
L 821289
L 821291

October 17, 1984
"
"

The claims are accessible from the major Highway 11 by following secondary Highway 577 north from Monteith for approximately 5.6 kilometres. One turns eastward on the gravel concession road running along the boundary between Concessions V and VI, following this road to its termination at the Black River (about 3.5 kilometres from Highway 577). One then travels southeastwards along the Black River by boat (or snowmobile) for about 2.4 kilometres. The Cosby claims are located close to the eastern shore of the Black River.

4.0 TOPOGRAPHY AND VEGETATION:

The Cosby claims appear to be entirely covered by a clay-rich glacial till. In the southern half of the property streams and water run-off have eroded gullies and valleys producing 'peak and trough' topography with relatively sharp elevation changes of 8 to 10 metres. The northern part of the property is much flatter consisting largely of muskeg or open swamp.

Vegetation over the property consists predominantly of poplar. Small black spruce are found in a narrow fringe near the northern boundary. Tag alders occur along some of the creeks and streams.

5.0 GEOLOGY:

5.1 Regional Geology (Fig. No. 3):

The Cosby property is located within the Abitibi Volcanic Belt which forms a sub-province of the Superior Province of the Canadian Shield. The belt is characterized by a predominance

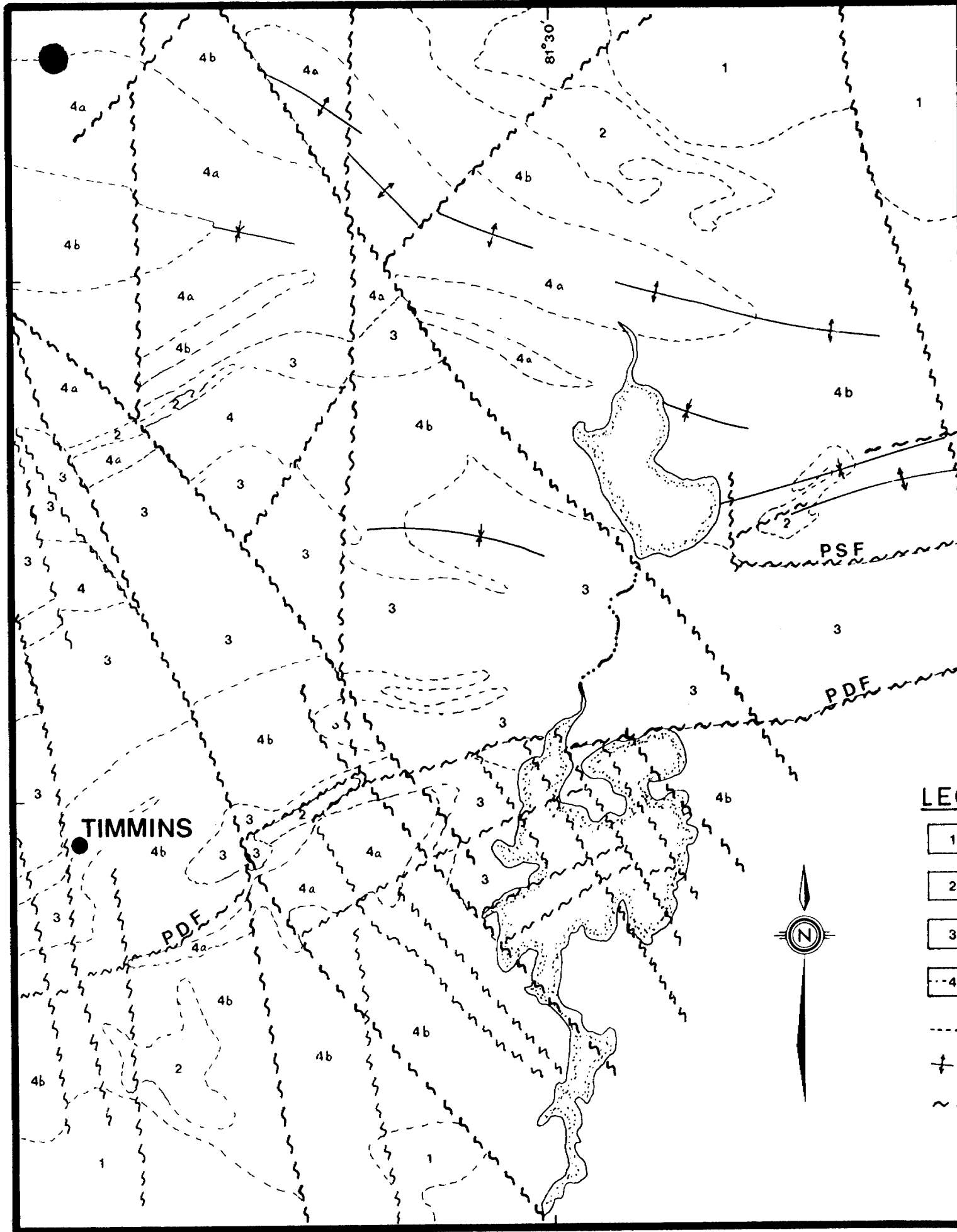
of Archean metavolcanic/metasedimentary rock types striking easterly to northeasterly from the Timmins area in northern Ontario to the Chibougamau area in northern Quebec. The belt is intruded by numerous felsic to ultramafic bodies and transected by several major east-west structural breaks. The entire assemblage has been intruded by two generations of diabase dikes, one trending northwards (early Precambrian) and a younger one (Proterozoic) trending northeastwards. Five major gold/base metal mining camps are located along this belt making it one of the most prolific mining regions in the world.

The western part of the Abitibi belt appears to be isoclinally folded about east-west axes and cut by several major transcurrent faults sub-parallel to the foliation (Larder Lake Fault, Destor-Porcupine Fault, Pipestone Fault). It is well recognized that these major structural breaks and their associated fold-related deformation zones have played a dominant role in the localization of gold mineralization.

The Destor-Porcupine Fault Zone (DFPZ) is located about fourteen kilometres south of the Cosby property and trends east-west along the contact of a narrow metasedimentary belt to the north and metavolcanic rocks to the south. The DPFZ extends from the Porcupine gold mining camp eastwards through the Beatty-Hislop and Harker-Holloway gold zones and into Quebec. The zone is punctuated by a number of major gold deposits as well as numerous gold occurrences. The gold deposits associated with the DPFZ exhibit broadly similar characteristics:

- a) Direct or indirect association with shearing.
- b) Pervasive wall-rock carbonatization.
- c) Gold (\pm pyrite) mineralization within quartz/quartz carbonate vein systems.
- d) Pyritization and silicification surrounding the vein systems.
- e) Spatial association with felsic intrusives.

The Pipestone Fault Zone forms the north boundary of the meta-



LEG

1

2

3

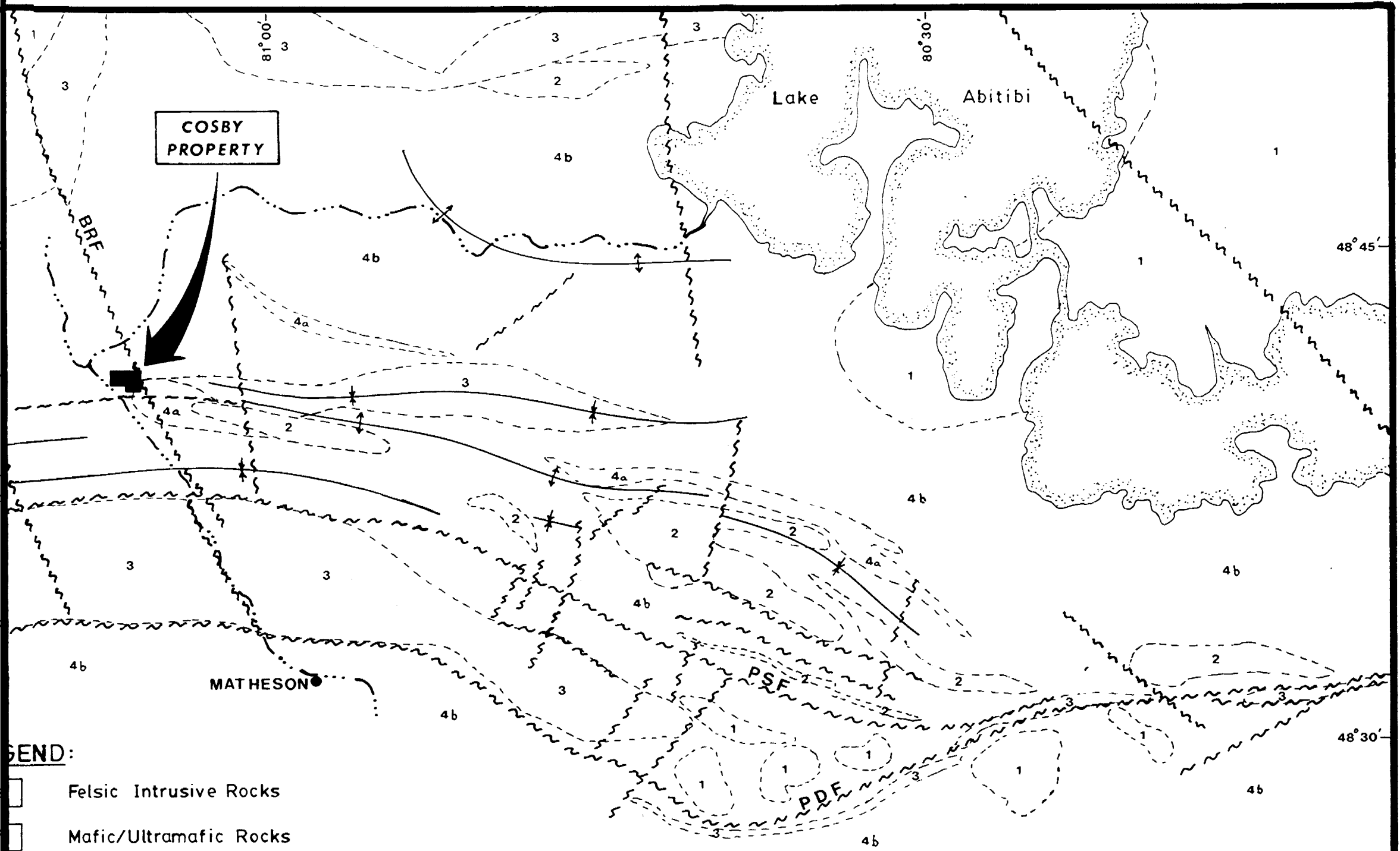
4a

4b

PSF

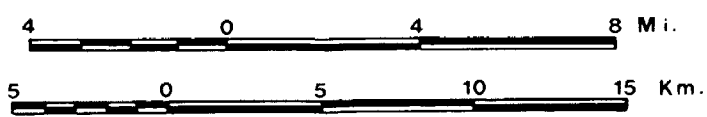
PDE

N



LEGEND:

- Felsic Intrusive Rocks
- Mafic/Ultramafic Rocks
- Metasediments
- Metavolcanics a) Felsic
- Metavolcanics b) Intermediate to Mafic
- Geologic Contact
- Anticlinal ; Synclinal Axis
- Fault
 - PDF = Porcupine Destor Fault
 - PSF = Pipestone Fault
 - BRF = Black River Fault



**GENERALIZED
REGIONAL GEOLOGY**

ROBERT E GILLICK & ASSOCIATES LTD	BY: C U DATE: Nov/89 SCALE: 1" = 4 Mi. Fig. No: 3
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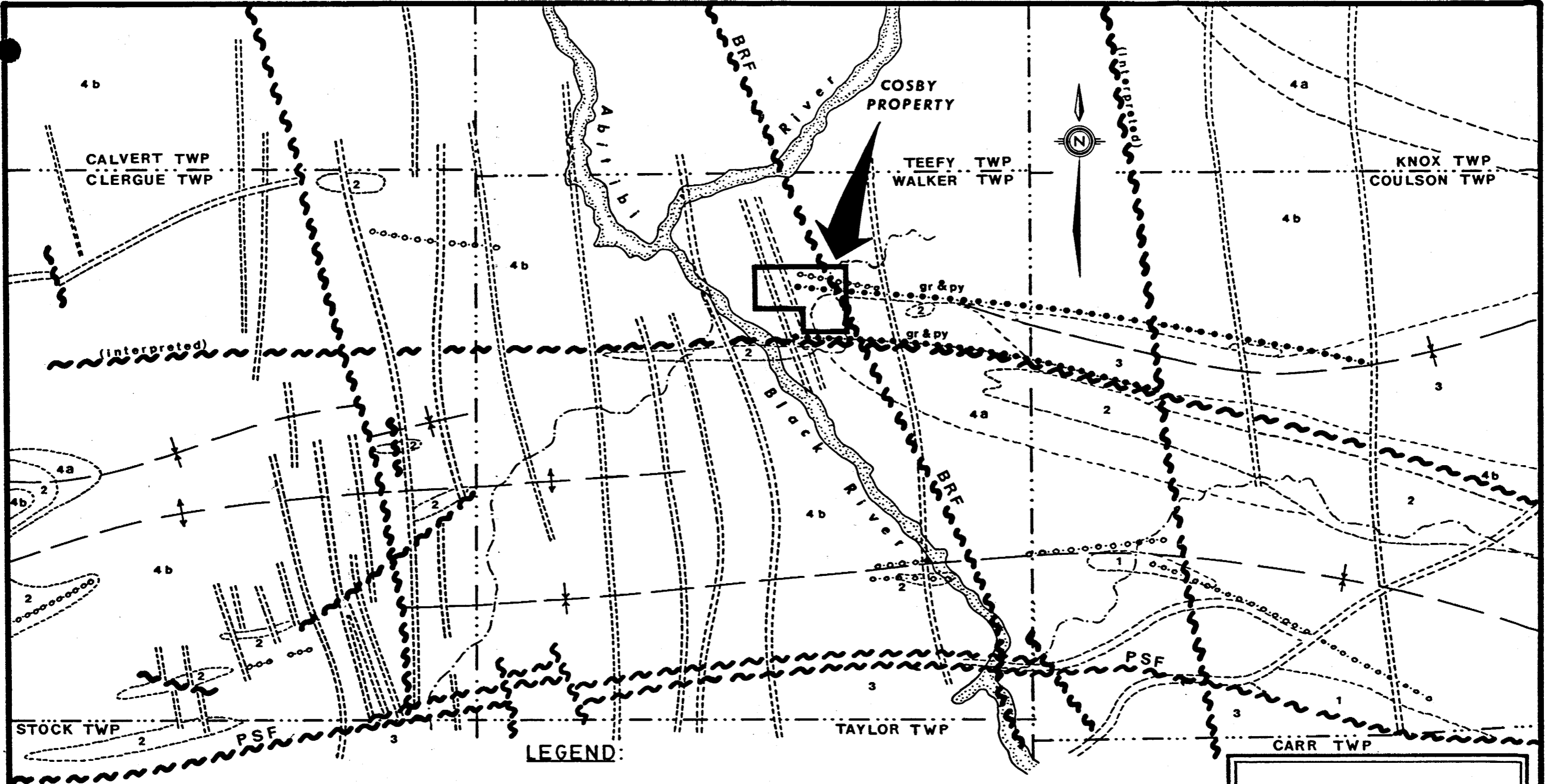
sedimentary belt bounded to the south by the DPFZ. This zone strikes subparallel to the DPFZ for about 50 miles finally merging with it in northern Garrison Township. Numerous gold showings and at least one former gold producer are located along this zone.

To the north and northwest of the Pipestone Fault Zone, meta-volcanic and metasedimentary rocks have been folded about generally east-west axes and intruded by mafic and ultramafic rocks as well as smaller felsic bodies. Zones of faulting subparallel to the fold axes have been mapped in Munro and McCool Townships. The western extent of these zones is unknown due to the thick mantle of glacial till covering much of Coulson, Wilkie, Walker and Clergue Townships. There is some evidence, however, suggesting that major faulting parallel to the Pipestone Fault Zone may be present in the northern part of Wilkie Township. It is possible that one or more major deformation zones similar in nature to the Pipestone or Porcupine-Destor zones exist beneath the overburden covering Coulson, Wilkie, Walker and Clergue Townships.

5.2 Local Geology (Fig. No. 4):

Geology in the vicinity of the Cosby property has been interpreted using existing regional geological mapping as a base, applying refinements, modifications and interpretations where necessary, based on diamond drill hole data and airborne EM/magnetometer data in the area.

The Cosby property is believed to be underlain predominantly by mafic to intermediate flows and pyroclastics. Drill hole logs from a single hole on the Cosby claims and several holes further to the east, suggest that felsic metavolcanics may underlie the southeastern part of the property.



LEGEND:

- Diabase Dike
- Felsic Intrusive Rock
- Mafic/Ultramafic Rock
- Metasediments
- Metavolcanics a) Felsic b) Mafic to Intermediate
- Geologic Contact
- Anticlinal Synclinal Fold
- Fault
- EM Conductor (graphitic/pyritic)
- EM Conductor (unknown source)



PSF = Pipestone Fault
 BRF = Black River Fault

LOCAL GEOLOGY

BY: C U
 DATE: Nov/89
 SCALE: 1 = 1.1 Mi
 Fig. No: 4

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From regional geological mapping, the Black River fault is believed to strike north northwesterly through the northeastern corner of the property. A major break in an east-west trending magnetic linear to the southeast of the claims is probably an expression of this cross-cutting fault.

Two diabase dikes interpreted from ground and airborne magnetics strike north northwesterly through the western part of the Cosby claims.

Two airborne EM conductors on east-west strikes extend on to the northeastern part of the Cosby property. An intermittent east trending string of airborne EM responses suggest that one or both of these conductors may strike discontinuously up to 10 kilometres into central Wilkie Township. The southernmost of these two conductors is believed to be a graphitic-pyritic metasedimentary horizon. A drill hole by Amax Minerals Exploration Limited, in 1982, in the northwest corner of present claim #821291 of the Cosby group, intersected seven metres of graphitic metasediments containing nodular and disseminated pyrite. No significant mineral assays were indicated in the log for this hole. The same horizon may have been intersected in 1980, in a hole drilled by Hollinger Mines Limited ("Esso Minerals Group") in the northeast part of Wilkie Township. A forty-seven foot section described as "talc-carbonate graphitic tuff" with associated shearing was intersected by this hole. This same section assayed elevated, although sub-economic, values for copper and zinc. A third hole drilled by Mattagami Lake Mines Limited, in 1980, in Wilkie Township near its western boundary, appears to have intersected the same horizon, this time described as fourteen metres of "graphitic argillite" with 10-15% disseminated pyrite. This zone assayed minor gold values ($\leq .005$ oz/ton).

The second airborne EM conductor, lying partially on the Cosby

property, is located about 250 metres further to the north striking easterly sub-parallel to the conductor described above. This second conductor exhibits conductivity-thickness values similar in magnitude to the conductor to the south, but produces increased response amplitudes suggesting that it is located at a shallower depth. This horizon can be traced with confidence in an eastward direction for about 1300 metres. The zone appears to have no magnetic correlation and it is probable that it is a graphitic/pyritic zone similar to the formational conductor described previously.

A major fault zone on an east-west strike has been interpreted passing just to the south of the Cosby property. Based on previous drilling to the east of the Cosby claims, the fault zone may be up to 300 metres in width and appears to consist of several zones of shearing with a main graphitic-pyritic metasedimentary horizon on the north side. The graphitic-pyritic horizon responds as a strong east-west trending airborne EM conductor over a strike length of about 6 kilometres.

In 1979, Hollinger Argus Limited carried out diamond drilling about 1100 metres to the east of the Cosby claims along the strike of the airborne EM conductor described above. Two south dipping holes were drilled along the same meridian. The northernmost hole intersected 45 feet of graphitic-pyritic "tuff" in which minor Cu and Zn assays were noted. The second hole, collared about 250 metres further to the south, encountered a 42 foot carbonatized zone with numerous quartz stringers and, further downhole, several feet of massive pyrite. No assays were given for this hole.

In 1980, Mattagami Lake Exploration Limited carried out drilling over this same zone in the western part of Wilkie Township. One of their holes intersected 200 metres of argillaceous sediment with extensive graphite-rich breccia zones. A two metre section of massive to semi-massive pyrite was encountered further down-

hole. This latter section assayed 1.37 g/T (.04 oz/ton) gold over .7 metres (2.3 feet).

The most extensive drilling of this fault zone was carried out in the western part of Wilkie Township in 1987 by Kidd Creek Mines Limited. Five holes were drilled into the zone along a strike length of about 1200 metres. All holes intersected one or more graphitic-pyritic horizons and several zones of shearing with pervasive wall-rock alteration (carbonatization, sericitization, pyritization). Quartz-carbonate veining was noted in several of the shear zones. No assays were given in the drill logs for these holes.

It is believed by this author that the regional extent of this fault zone is on a similar scale to the Pipestone fault zone to the south. Although the airborne EM indicates that the conductive graphite-pyrite horizon does not continue westward beyond central Walker Township, there is evidence in the aeromagnetics of a structural feature continuing to the western side of Clergue Township. The aeromagnetics also suggest that the zone continues east southeastwards across Coulson Township.

6.0 COSBY PROPERTY:

6.1 Ground Geophysics (Fig. No. 5):

In 1985, ground magnetometer and VLF-EM surveys were carried out over the Cosby claims.

The dominant features in the total field magnetic results are two north northwesterly trending linears in the western part of the property. These features are interpreted as representing diabase dikes. Depth estimates from the anomalies associated with these dikes, using the horizontal gradient method, average about 100 feet. This is in close agreement with the

overburden depth of 89 feet determined by drilling (Amax, 1982) in the eastern part of the property.

A distinct magnetic low occurring on the north part of line 4 W in the northeastern corner of the property may be an expression of the Black River fault, however, the singularity of this anomaly and its abrupt termination at the baseline suggest that it may be due to faulty diurnal corrections resulting from an incorrect 'tie-in' reading at the baseline.

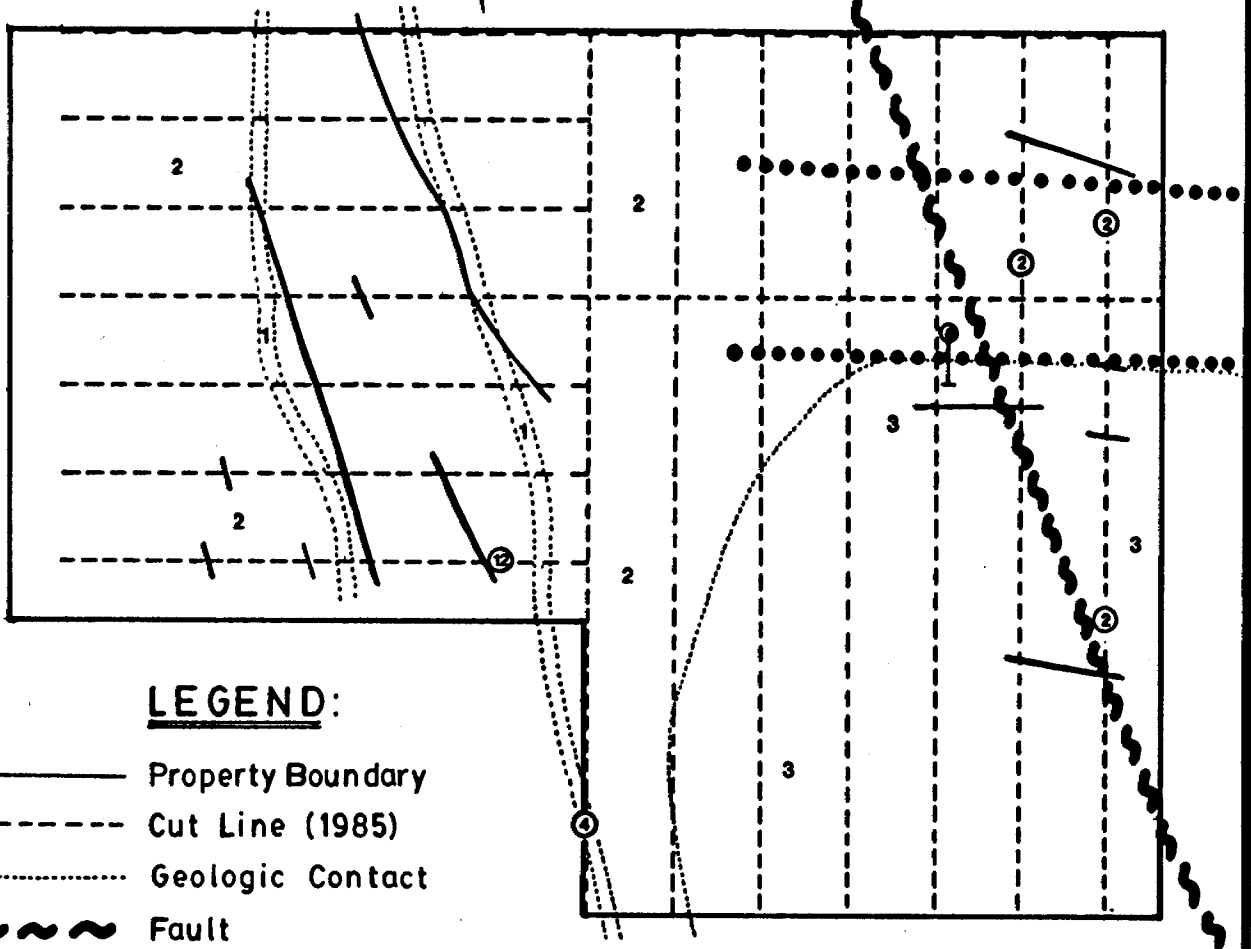
Other broad low amplitude magnetic features over the property probably represent bedrock topographic undulations or minor changes in the magnetic susceptibility of the metavolcanic rocks believed to underlie the claims.

Results from the VLF-EM survey indicate several conductors in the west part of the property trending sub-parallel to interpreted diabase dikes. These conductors may directly reflect bedrock structure, however, considering the relatively thick and possibly conductive cover of clay-rich glacial till over the property, it is more likely that the conductors lie within the till, perhaps representing drainage channels or till distortions due to bedrock topography.






A number of short strike length VLF conductors were located in the eastern part of the property. Several of these conductors may represent graphitic-pyritic zones known to exist in the northeastern part of the claim block. Again, however, due to thick overburden cover, the possibility that these conductors reflect surficial features cannot be discounted.

6.2 Geochemistry (Fig. No. 5):

In 1986, a soil geochemical survey was conducted over the entire property. Samples were collected from the 'B' soil hori-



LEGEND:

- Property Boundary
- - - - - Cut Line (1985)
- Geologic Contact
- ~~~~~ Fault
- VLF-EM Conductor
- Airborne EM Conductor
-  Diabase Dike
-  Mafic to Intermediate Metavolcanics
-  Felsic Metavolcanics
-  Diamond Drill Hole
-  Gold Geochemical Anomaly (Magnitude = n x Background)



**COSBY PROPERTY
COMPILATION**

ROBERT E GILLICK & ASSOCIATES LTD	BY: C U
	DATE: Nov/89
	SCALE: 1" = 880'
Fig. No: 5	

zon at 300 foot intervals along all grid lines. A THM (total heavy minerals) analysis as well as a copper analysis was performed on the samples using cold extraction. No significant anomalies were located.

In 1987, a second survey was performed over selected lines in the eastern and western parts of the property. The 'B' horizon was sampled at 100 or 200 foot intervals and the samples were analyzed for Au, Ag, Cu and Zn by means of the DCP (Direct Current Plasma Emission) method.

No silver, copper or zinc anomalies were located by the second survey, however, several weak to moderate gold anomalies were found (Fig. No. 5). The gold anomalies are generally scattered over the surveyed area showing no apparent trends or correlation with interpreted underlying geology. The two highest gold values are single station anomalies making them statistically weak. These anomalies may be due to gold grains transported and deposited with the glacial till.

The usefulness of geochemical soil sampling in overburden covered areas depends on the ability of mineral-rich groundwaters to percolate through the overburden to the surface where trace metals are precipitated and tend to accumulate in the 'B' soil horizon. Both the thickness (~100 feet) and the clay-rich nature of the glacial till covering the Cosby claims may restrict this groundwater passage, thereby severely limiting the value of soil geochemistry as a means of detecting possible mineral deposits on this property.

7.0 CONCLUSIONS:

An east-west trending fault zone is located just to the south of the Cosby property. The zone may be up to several hundred

metres in width, possibly extending onto the southern claims of the Cosby group. The zone appears to represent a major structural break and may be similar in nature, including mineralization potential, to the Pipestone or Destor-Porcupine fault zones to the south. The sparse drilling which has been carried out to explore this zone (predominantly in Wilkie Township) has indicated multiple zones of shearing with extensive carbonatization and pyritization of wall rocks. Minor gold, copper and zinc values have been reported in drill hole logs.

The zone is associated along parts of its length with a conductive formational graphite/pyrite horizon which can be traced by means of ground electric or electromagnetic methods. Use of more direct means, such as prospecting or geochemistry, to zero-in on economic mineralization is hampered by the thick mantle of glacio-lacustrine till covering much of the area.

Although this fault zone has been relatively sparsely explored by drilling to date, exploration interest appears to have increased in the last several years as evidence accumulates verifying the existence of a major east-west trending deformational zone.

A recent project by the Ontario Geological Survey (Black River-Matheson Geoscientific Survey: BRiM) involving gold grain analyses in till samples taken by sonic drilling and trenching, has also stimulated interest in the area. A significant cluster of anomalous gold grain counts was located in the southwestern quadrant of Walker Township. Assuming glacial transportation of several kilometres, these gold grains would have originated near the projected location of the said fault zone.

Of the two airborne EM conductors located in the northeastern part of the Cosby claim block, one has been drill-proven to be

a graphitic-pyritic metasedimentary horizon. The other conductor on the property has not been tested. Two holes drilled by Hollinger Argus Mines Limited in the north part of Wilkie Township may have intersected one or both of these horizons about 7 kilometres along strike from the Cosby property. Graphitic-pyritic horizons were intersected in these holes as well as zones of shearing and extensive alteration. Minor gold, copper and zinc values were noted in these holes.

It is generally accepted that north to northwesterly trending faults have not played a significant role in the localization of economic mineralization in the Abitibi belt. The north trending faults are believed to have post dated the emplacement of mineral deposits along existing east-west deformation zones. The Black River fault which strikes north northwesterly across the Cosby property is, thus, considered to be a low priority target.

8.0 RECOMMENDATIONS:

Further exploration on the Cosby property should be concentrated on locating and drilling east-west trending shear zones. The following program is recommended:

- 1) Additional claims should be staked adjoining the south part of the present property to cover the projected location of an east-west trending fault zone.
- 2) Induced polarization surveying should be carried out over north-south oriented lines covering the present claims as well as any claims added to the group. IP surveying will detect zones of disseminated sulfide mineralization often associated with shear zones, as well as the graphitic-pyritic formational conductors which occur in the area.

- 3) Anomalies selected from the interpreted results of the IP survey should be tested by diamond drilling.

Respectfully submitted,



Robert E. Gillick, MSc.

ROBERT E. GILLICK & ASSOCIATES LTD.

REFERENCES:

- 1) Pyke, D. R.; Ayres, L. D.; Innes, D. G.,
Ministry of Natural Resources
Geological Compilation Series
Timmins - Kirkland Lake, Map 2205, Scale: 1:253,440
1970,1971.
- 2) Mining Assessment Files
Ministry of Natural Resources
Kirkland Lake, Ontario.
- 3) Airborne Electromagnetic and Total Intensity Magnetic Survey
Matheson - Black River Area
District of Cochrane, by Questor Surveys Limited for the
Ontario Geological Survey, Maps 80572, 80573, 80574, 80575,
80582, 80583, 80584. Geophysical/Geochemical Series, Scale
1:20000, Survey and Compilation March to July, 1983.
- 4) Steele, K.G.
1988: Gold Grains in Sonic Drill Core Samples from the Lake
Abitibi - Matheson Area, District of Cochrane; Ontario
Geological Survey Map P 3130, Geophysical/Geochemical Series
Preliminary Map, Scale: 1:100,000. Geology, 1988.
- 5) Archean Lode Gold Deposits in Ontario
Mines and Minerals Division, Ontario Geological Survey
Miscellaneous Paper 139, 1988.

CERTIFICATE OF QUALIFICATIONS

This is to certify that:

- 1) I am a consulting geophysicist with an office at 114 Willingdon Drive, North Bay, Ontario.
- 2) I hold a BSc. in Mathematics from Dalhousie University and an MSc. Diploma in Applied Geophysics (1979) from McGill University.
- 3) I have been working in the Mineral Exploration and Mining Industry for the past 13 years.
- 4) I am an associate member of the Society of Exploration Geophysicists.
- 5) I have no direct or indirect interest in the property described in this report.

Dated at North Bay, Ontario, this 27th day of NOV. , 1989 .



R. E. Gillick.



DOCUMENT NO. W8908-421



42A10NE0042 2.12938 WALKER

Report of Work
Mining Act (Expenditures, Subsection 77(19))

Type of Work Performed Consultant's Report	Mining Division Larder Lake	Township or Area Walker Township
Recorded Holder Mr. Merle S. Cosby	2.12938	Prospector's Licence No. K 15600
Address 13 Windermere Road, St. Catherines, Ont. L2T 3W1		Telephone No. (416) 684-7953
Work Performed By Robert E. Gillick & Associates Ltd, North Bay, Ont.		
Name and Address of Author (of Submission) Robert E. Gillick, 114 Willingdon Dr. N. Bay, Ont. P1C 1E9		Date When Work was Performed From: 06 11 89 To: 16 11 89

All the work was performed on Mining Claim(s): Indicate no. of days performed on each claim. *See Note No. 1 on reverse side		Mining Claim L800967	No. of Days 20	Mining Claim L800964	No. of Days 20	Mining Claim L800966	No. of Days 20	Mining Claim L800965	No. of Days 20
Mining Claim L800995	No. of Days 20	Mining Claim L800996	No. of Days 20	Mining Claim L821286	No. of Days 20	Mining Claim L821289	No. of Days 20	Mining Claim L821291	No. of Days 20
Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days

Instructions Total days credits may be distributed at claim holder's choice. Enter number of days credits per claim in the expenditure days credit column (below).	Calculation of Expenditure Days Credits		Total Days Credits	Total Number of Mining Claims Covered by this Report of Work
	Total Expenditures \$ 2700	÷ 15	= 180	<input type="text"/>

Mining Claims (List in numerical sequence). If space is insufficient, attach schedules with required information

Mining Claim	Expend. Days Cr.	Mining Claim	Expend. Days Cr.	Mining Claim	Expend. Days Cr.	Mining Claim	Expend. Days Cr.
L 821287	60	FORFEIT OCT. 11/88					
L 821291	33.41	NOW AT MAXIMUM CREDIT					
L 800996	33.41	NOW AT MAXIMUM CREDIT					
L 800995	32.41	NOW AT MAXIMUM CREDIT					

Total Number of Days Performed 180	Total Number of Days Claimed 180 97.23	Total Number of Days to be Claimed at a Future Date 82.77
--	--	---

Certification of Beneficial Interest *See Note No. 2 on reverse side

I hereby certify that, at the time the work was performed, the claims covered in this report of work were recorded in the current recorded holder's name or held under a beneficial interest by the current recorded holder.

Date: **Nov 30/89** Recorded Holder or Agent (Signature): *Merle Cosby*

Certification Verifying Report of Work

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

Name and Address of Person Certifying: **Robert E. Gillick, Dr. N. Bay, Ont. P1C 1E9**

ONTARIO GEOLOGICAL SURVEY ASSESSMENT FILES
OFFICE PHONE NO. (705) 472-8621
Date: **Nov. 27/89** Certified By (Signature): *R. E. Gillick*

For Office Use Only

Total Days Cr. Recorded 97.23	Date Recorded Dec. 11/89	Mining Recorder <i>J. Dettorf</i>	RECEIVED DEC 11 1989 10:20am
Date Approved as Recorded 19 Feb 90	Provincial Manager, Mining Lands <i>W. Blain</i>		

W000 025

30 day
Feb 17
Instructions
- Please type or print.
- Refer to Subsection 77(10), the Mining Act for assessment work requirements and maximum credits allowed under this Subsection.
- Technical Reports, maps and proof of expenditures in duplicate should be submitted to Mining Lands Section, Mineral Development and Lands Branch.

Report of Work 2.12938
Mining Act (Expenditures, Subsection 77(19))

Type of Work Performed CONSULTANT'S REPORT	Mining Division LARDER LAKE	Township or Area WALKER TWP
Recorded Holder MIR. MERLE S. COSBY	Prospector's Licence No. K 15600	
Address 13 WINDERMERE RD., ST. CATHERINES, ONT L2T 3W1		Telephone No. (416) 684-7953
Work Performed By ROBERT E. GILLICK & ASSOCIATES LTD., NORTH BAY, ONT.		
Name and Address of Author (of Submission) ROBERT E. GILLICK, 114 WILLINGDON DR, N. BAY, ONT PIC 1E9		Date When Work was Performed From: 06 11 89 To: 16 11 89 Day Mo. Yr. Day Mo. Yr.

All the work was performed on Mining Claim(s): Indicate no. of days performed on each claim. *See Note No. 1 on reverse side				Mining Claim L800967	No. of Days 20	Mining Claim L800969	No. of Days 20	Mining Claim L800966	No. of Days 20	Mining Claim L800965	No. of Days 20
Mining Claim L800995	No. of Days 20	Mining Claim L800996	No. of Days 20	Mining Claim L821286	No. of Days 20	Mining Claim L821289	No. of Days 20	Mining Claim L821291	No. of Days 20	Mining Claim	No. of Days
Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days

Instructions: Total days credits may be distributed at claim holder's choice. Enter number of days credits per claim in the expenditure days credit column (below).

Calculation of Expenditure Days Credits
Total Expenditures: **\$ 2700** + **15** = **180** Total Days Credits

Total Number of Mining Claims Covered by this Report of Work: **1**

Mining Claims (List in numerical sequence). If space is insufficient, attach schedules with required information

Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.
L	821289	32.41									
L	821286	32.41									
L	800965	17.95									

RECEIVED
JAN 17 1990
MINING LANDS SECTION

Total Number of Days Performed 180	Total Number of Days Claimed 82.77	Total Number of Days to be Claimed at a Future Date 97.23
--	--	---

Certification of Beneficial Interest *See Note No. 2 on reverse side
I hereby certify that, at the time the work was performed, the claims covered in this report of work were recorded in the current recorded holder's name or held under a beneficial interest by the current recorded holder.
Date: **Jan 11/1990** Recorded Holder or Agent (Signature): **Merle S. Cosby**

Certification Verifying Report of Work
I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.
Name and Address of Person Certifying: **ROBERT E. GILLICK, 114 WILLINGDON DR. N. BAY, ONT. PIC 1E9**
Telephone No.: **(705) 472-8621** Date: **JAN 8/90** Certified By (Signature): **[Signature]**

For Office Use Only

Total Days Cr. Recorded 82.77	Date Recorded Jan 18/90	Mining Recorder [Signature]
	Date Approved as Recorded Approved on 8908-921	Provincial Manager, Mining Lands [Signature]

RECEIVED
LARDER LAKE MINING DIVISION
JAN 18 1990
9:30am

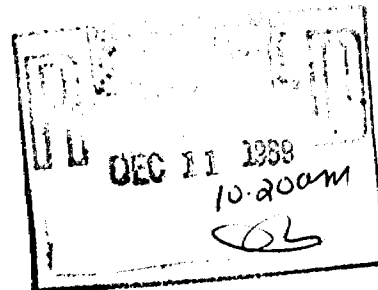
Robert E. Gillick & Associates Ltd.

Geophysical Contracting & Consulting

P.O. Box 421 • North Bay, Ontario. P1B 8H5 • (705) 472-8621

November 27, 1989

Mr. Merle S. Cosby
13 Windermere Road,
St. Catherines, Ont.
L2T 3W1



INVOICE #8919

Re: Report preparation on Cosby Property in Walker
Township -

Property Visit - 1 day at \$300/day.....	\$ 300.00
Assessment File Search - 1 day at \$300/day.....	\$ 300.00
Drafting - 2 days at \$150/day.....	\$ 300.00
Report Preparation - 6 days at \$300/day.....	\$1800.00

Total.....\$2700.00

Expenses:

Travel Expenses.....\$ 82.67

Accommodation (2 nights).....\$ 85.45

168.12

168.12

2868.12

Less cash advance.....\$1500.00

TOTAL THIS INVOICE.....\$1368.12

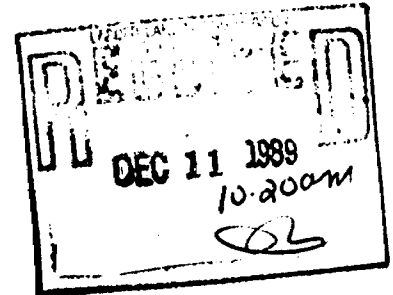
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Drafting - 2 days at \$150/day.....	\$ 300.00
Report Preparation - 6 days at \$300/day.....	\$1800.00
Total.....	<u>\$2700.00</u>

Expenses:

Travel Expenses.....	\$ 82.67
Accommodation (2 nights).....	\$ 85.45
	<u>168.12</u>

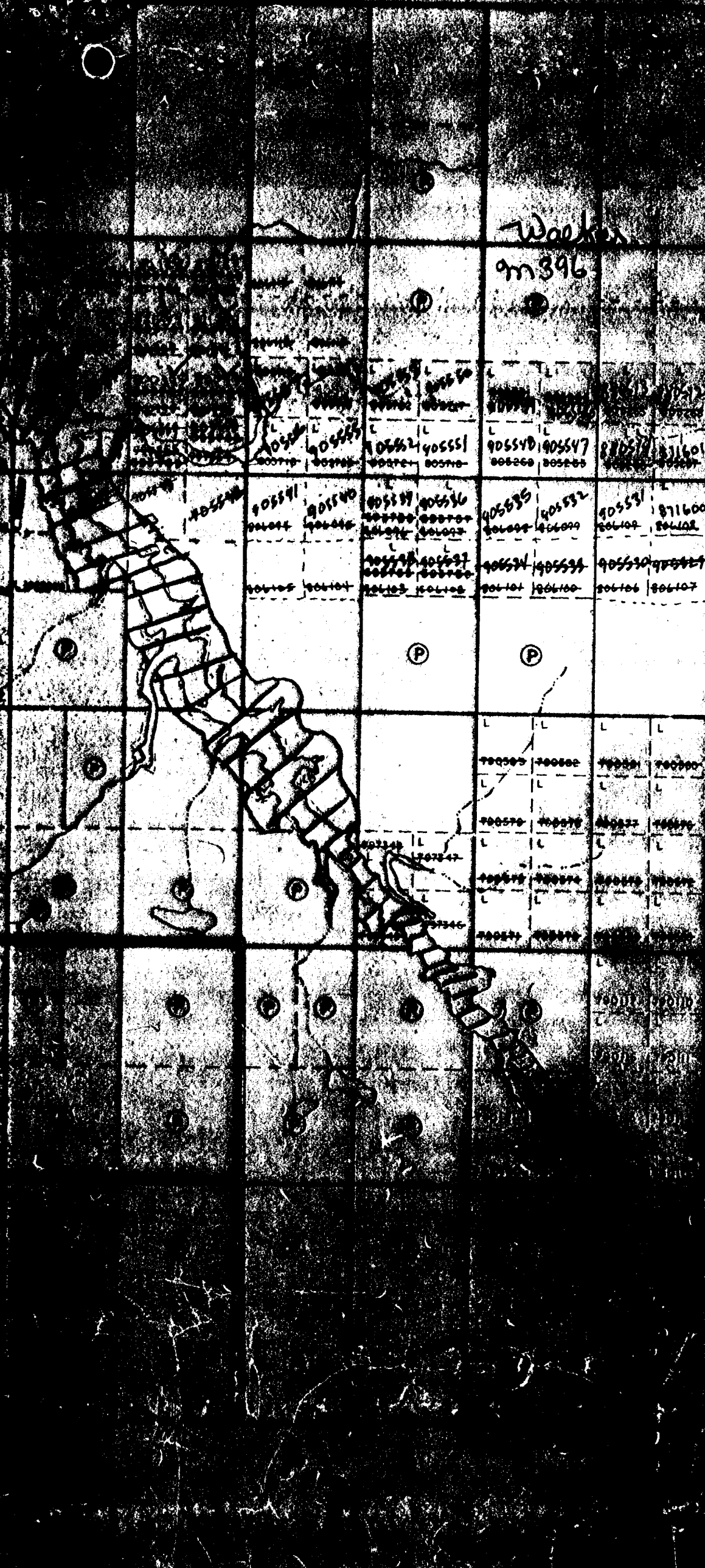
168.12

\$2868.12

Less cash advance.....\$1500.00

TOTAL THIS INVOICE.....\$1368.12

Wacker
9m396



V

IV

III

II

Wilkie Twp.

RECEIVED

DEC 05 1989

MINING LANDS SECTION
MINING LANDS SECTION

DEC 05 1989

Mark & Lesley
130 Windumea Rd
St Catharines Ont
L2T 3W1
684.7953

RECEIVED

Dear Sir

Two copies of Report of work for
Lesley claims. Consultant Report

Assessment work for claims L. 821287. 60.
days L 821291, 60, days, L 800996. 60.
days.

This give me 200 day for these
claims, for lease,

Mark & Lesley

Robert E. Gillick & Associates Ltd.

Geophysical Contracting & Consulting

P.O. Box 421 • North Bay, Ontario: P1B 8H5 • (705) 472-8621

November 27, 1989

Mr. Merle S. Cosby
13 Windermere Road,
St. Catherines, Ont.
L2T 3W1

INVOICE #8919

Re: Report preparation on Cosby Property in Walker
Township -

Property Visit - 1 day at \$300/day.....	\$ 300.00
Assessment File Search - 1 day at \$300/day.....	\$ 300.00
Drafting - 2 days at \$150/day.....	\$ 300.00
Report Preparation - 6 days at \$300/day.....	<u>\$1800.00</u>
Total.....	\$2700.00

Expenses:

Travel Expenses.....	\$ 82.67	
Accommodation (2 nights).....	\$ 85.45	
	<u>168.12</u>	168.12
		<u>\$2868.12</u>
Less cash advance.....		<u>\$1500.00</u>
TOTAL THIS INVOICE.....		<u><u>\$1368.12</u></u>



Instructions

- Please type or print.
- Refer to Subsection 77(19), the Mining Act for assessment work requirements and maximum credits allowed under this Subsection.
- Technical Reports, maps and proof of expenditures in duplicate should be submitted to Mining Lands Section, Mineral Development and Lands Branch.

Report of Work
(Expenditures, Subsection 77(19))

Type of Work Performed Consultant's Report	Mining Division Larder Lake	Township or Area Walker Township
Recorded Holder Mr. Merle S. Cosby	2. 12938	Prospector's Licence No. K 15600
Address 13 Windermere Road, St. Catherine's, Ont. L2T 3W1		Telephone No. (416) 684-7953
Work Performed By Robert E. Gillick & Associates Ltd, North Bay, Ont.		
Name and Address of Author (of Submission) Robert E. Gillick, 114 Willingdon Dr. N. Bay, Ont. P1C 1E9		Date When Work was Performed From: 06 11 89 To: 16 11 89

All the work was performed on Mining Claim(s): Indicate no. of days performed on each claim. *See Note No. 1 on reverse side											
Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days
Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days

Instructions Total days credits may be distributed at claim holder's choice. Enter number of days credits per claim in the expenditure days credit column (below).	Calculation of Expenditure Days Credits Total Expenditures \$ 2700 ÷ 15 = 180		Total Days Credits <input type="text" value="180"/>	Total Number of Mining Claims Covered by this Report of Work <input type="text"/>
--	---	--	--	--

Mining Claims (List in numerical sequence). If space is insufficient, attach schedules with required information

Mining Claim			Mining Claim			Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
L	821287	60									
L	821291	60									
L	800996	60									

Total Number of Days Performed 180	Total Number of Days Claimed 180	Total Number of Days to be Claimed at a Future Date 0
--	--	---

Certification of Beneficial Interest *See Note No. 2 on reverse side

I hereby certify that, at the time the work was performed, the claims covered in this report of work were recorded in the current recorded holder's name or held under a beneficial interest by the current recorded holder.	Date Nov 30/89	Recorded Holder or Agent (Signature) <i>Merle Cosby</i>
--	--------------------------	--

Certification Verifying Report of Work

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

Name and Address of Person Certifying Robert E. Gillick, 114 Willingdon Dr. N. Bay, Ont. P1C 1E9		
Telephone No. (705) 472-8621	Date Nov. 27/89	Certified By (Signature) <i>R E Gillick</i>

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
	Date Approved as Recorded	Provincial Manager, Mining Lands

Received Stamp

Teefy Twp.

THE TOWNSHIP OF

WALKER

DISTRICT OF COCHRANE

LARDER LAKE MINING DIVISION

SCALE: 1-INCH=40 CHAINS

VI

V

IV

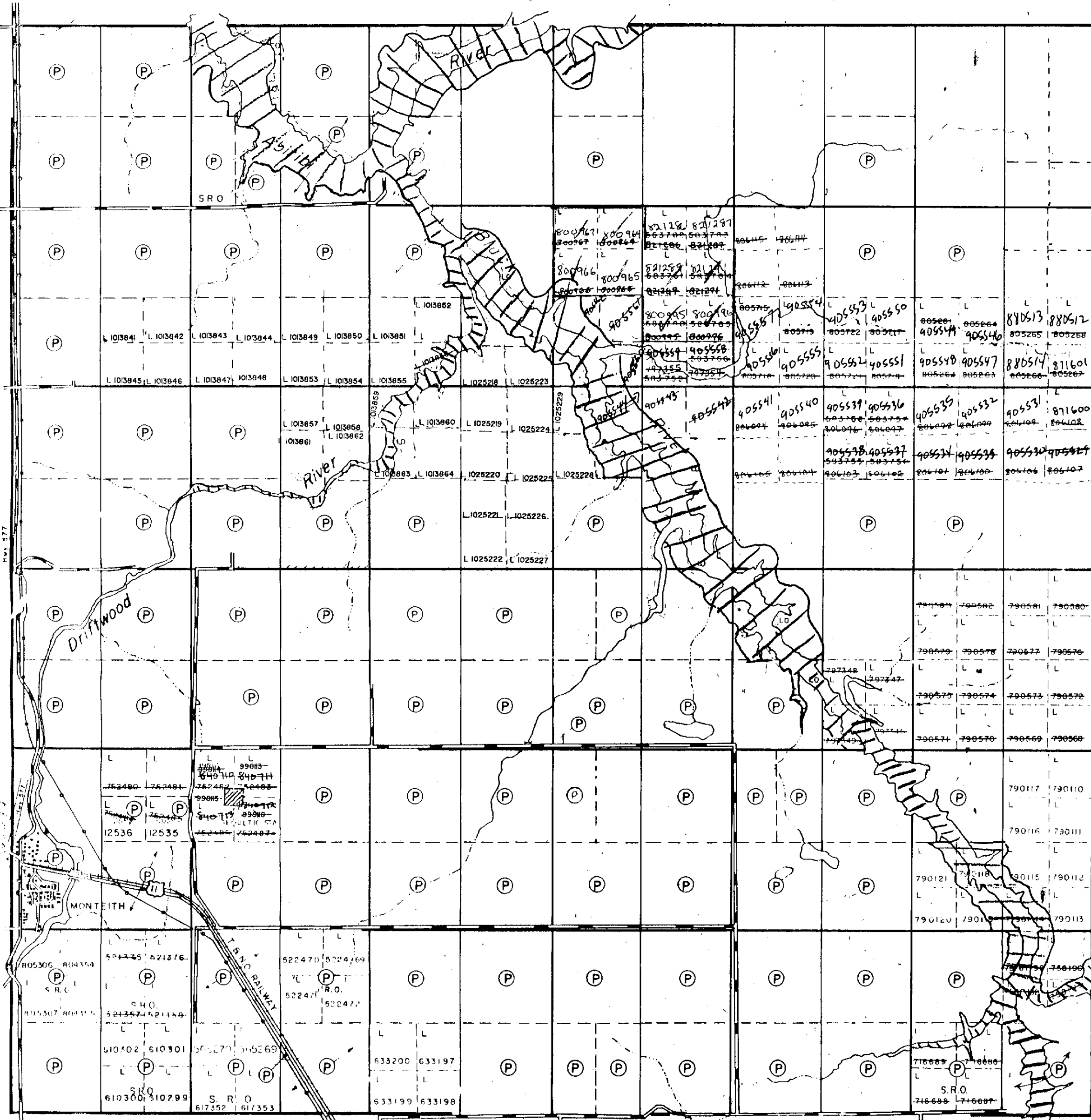
III

II

I

Wilkie Twp.

Clergue Twp.



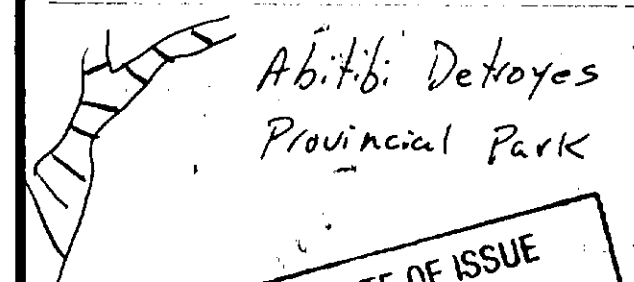
LEGEND

PATENTED LAND	(P)
CROWN LAND SALE	(S) or (C.S.)
LEASES	(L)
LOCATED LAND	Loc.
LICENSE OF OCCUPATION	L.O.
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	S.R.O.
ROADS	(Symbol)
IMPROVED ROADS	(Symbol)
KING'S HIGHWAYS	(Symbol)
RAILWAYS	(Symbol)
POWER LINES	(Symbol)
MARSH OR MUSKEG	(Symbol)
MINES	(Symbol)

NOTES

400' Surface rights reservation around all lakes and rivers

L.O. 8672 issued for flooding rights along the shores of Abitibi, Black and Driftwood Rivers.



DATE OF ISSUE
FEB 8 1990
 LARDER LAKE
 MINING RECORDER'S OFFICE

(Symbol) PENDING SURFACE RIGHTS APPLICATION

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

NOTICE OF FORESTRY ACTIVITY



42A10NE0042 2.12938 WALKER

200 TIONS. AN BE

Taylor Twp.

PLAN NO.- M-396

ONTARIO

MINISTRY OF NATURAL RESOURCES

SURVEYS AND MAPS BRANCH

SWASTIKA, ONT.
 POK ITO
 705-642-3222