



42A10NE0083 2.7922 WALKER

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REPORT ON A GEOLOGICAL SURVEY

069-02

WALKER-3 GROUP

WALKER TOWNSHIP

CANAMAX RESOURCES INC.

Timmins, Ontario
February, 1985

E. Kent
Geologist

RECEIVED

MAR 26 1985

MINING LANDS SECTION



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TABLE 1	TABLE OF FORMATIONS	After P8
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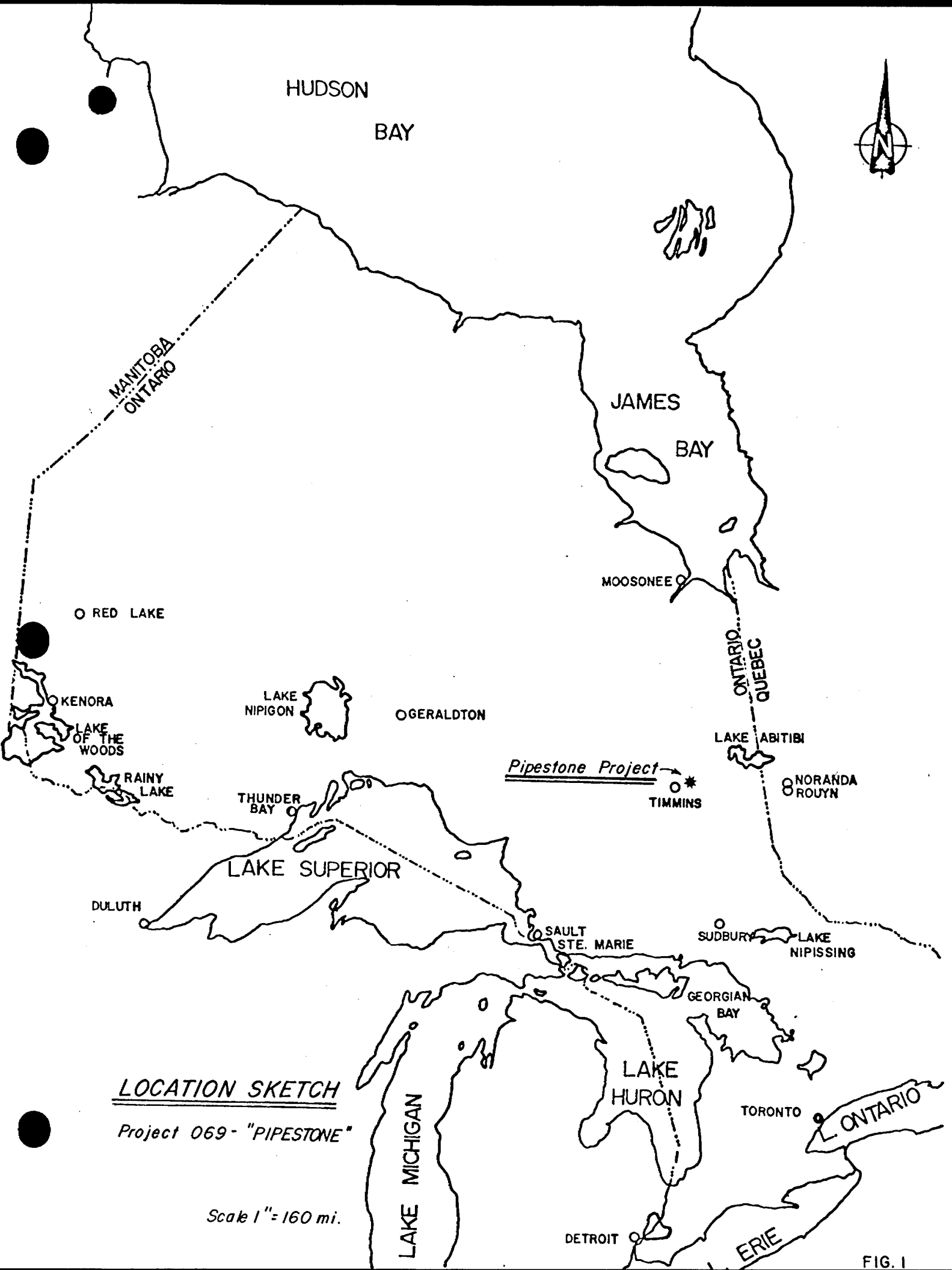
L I S T O F M A P S

MAP 1	GEOLOGICAL SURVEY - 1:5,000	Back Pocket
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SUMMARY

During June of 1984 a geological-prospecting survey was completed on the 069-02, Walker-3 claim group. A 1:5000 airphoto base map was prepared showing the results of the survey and the position of nearby drill holes.

No outcrops were located as a result of the survey. A search of assessment files and private files indicates that the group is underlain by argillaceous/wacke type sediments of Timiskaming Age. The sedimentary horizon strikes east-west, is bounded on the north by the Pipestone Fault and is cut by a diabase dyke.



INTRODUCTION

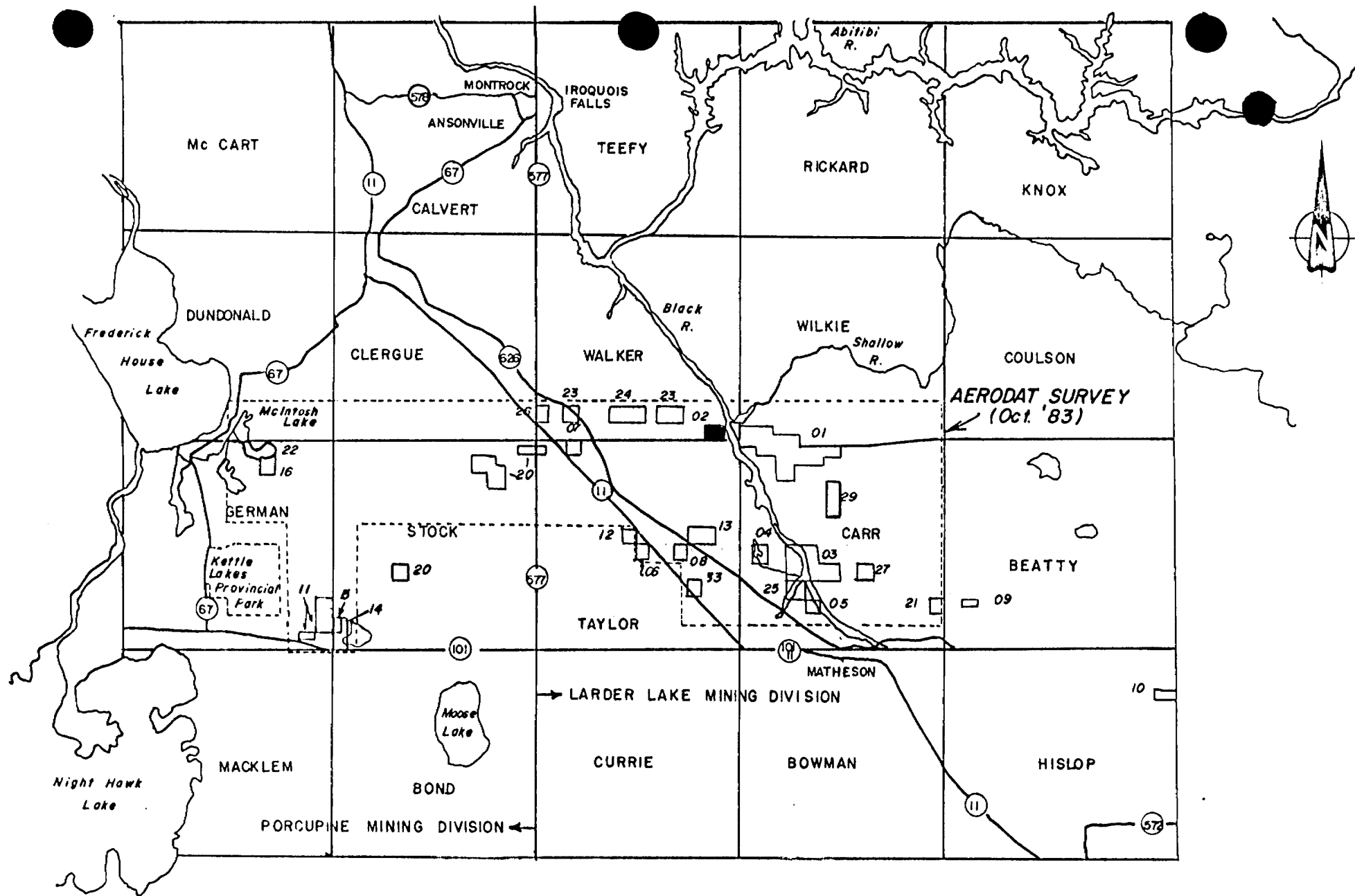
This report has been prepared to summarize the results of a geological-prospecting survey carried out from June 24-27, 1984. The report covers four (4) claims in Walker Township of the Larder Lake Mining Division. The claims were acquired by staking during September, 1983.

Airborne geophysical surveys flown during October and November 1983 have already been filed for assessment credit. Claim numbers and recording dates for the 069-02, Walker-3 group are listed within the Schedule of Claims (Table 2).

The survey was carried out by E. Kent, Geologist, and G. Wahl, Geological Technician.

LOCATION AND ACCESS

The property lies in the southeast corner of Walker Township, approximately 13 kilometres northwest of Timmins. Access may be gained to the property by travelling Highway 626 northward from Matheson to Val Gagne. The Walker-3 group is located five kilometres east of Val Gagne along the Taylor-Walker boundary road.



Scale 1:250,000

PROJECT LOCATION SKETCH

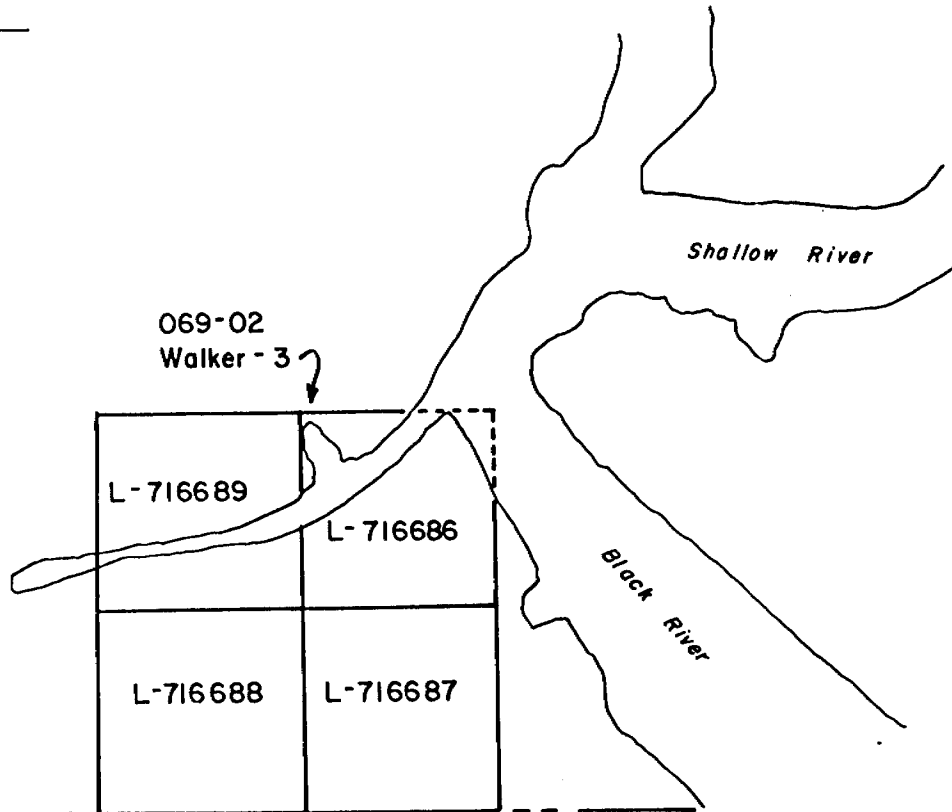
PROJECT 069 - "PIPESTONE"

Sketch showing 069- 02

Con II



Con I



Walker Township

Taylor Township

Lot 2

CANAMAX RESOURCES INC.

069-02, WALKER-3

PIPESTONE PROJECT, WALKER TWP.

(CLAIM SKETCH)

FIG. 3
1: 15,000

A tributary stream of the Black River cuts the claim group into two sections. The stream can be crossed a few hundred metres west of the claim group.

RESOURCES AND TOPOGRAPHY

The claim group consists of flat land lying in the flood plain of the Black River and its tributaries. The land is drained by a creek which crosses the northern half of the property and drains eastward. Clay and till soils with a thickness of 30-40 metres make up the overburden. A sonic overburden drill hole was put down, as part of the Black River Initiative (O.G.S. 1984), 400 metres south of the claim group. Drill hole 84-38 intersected 35 metres of till overburden.

Thirty percent of the surface area of the claims is occupied by pasture land. The remaining surface area is forested by alders and small stands of poplar.

PREVIOUS WORK

Information relating to previous exploration in the area by Monpre Mines, Dominion-Gulf and Canamax Resources is available from the Resident Geologist's office in Kirkland Lake. Canamax Resources (Nov. 1983) is the only company to have filed assessment data directly overlapping the Walker-3 group.

Canamax completed airborne magnetic and electromagnetic surveys using a helicopter-borne Aerodat system. The aeromagnetic signature over the Walker-3 group indicates the presence of a N-S striking Matachewan diabase dyke crosscutting a general E-W trend. A strong E-W flattening of the magnetic contours, near the north end of the group, suggests the presence of the Pipestone Fault and the magnetite-rich ultramafics which occupy the fault path.

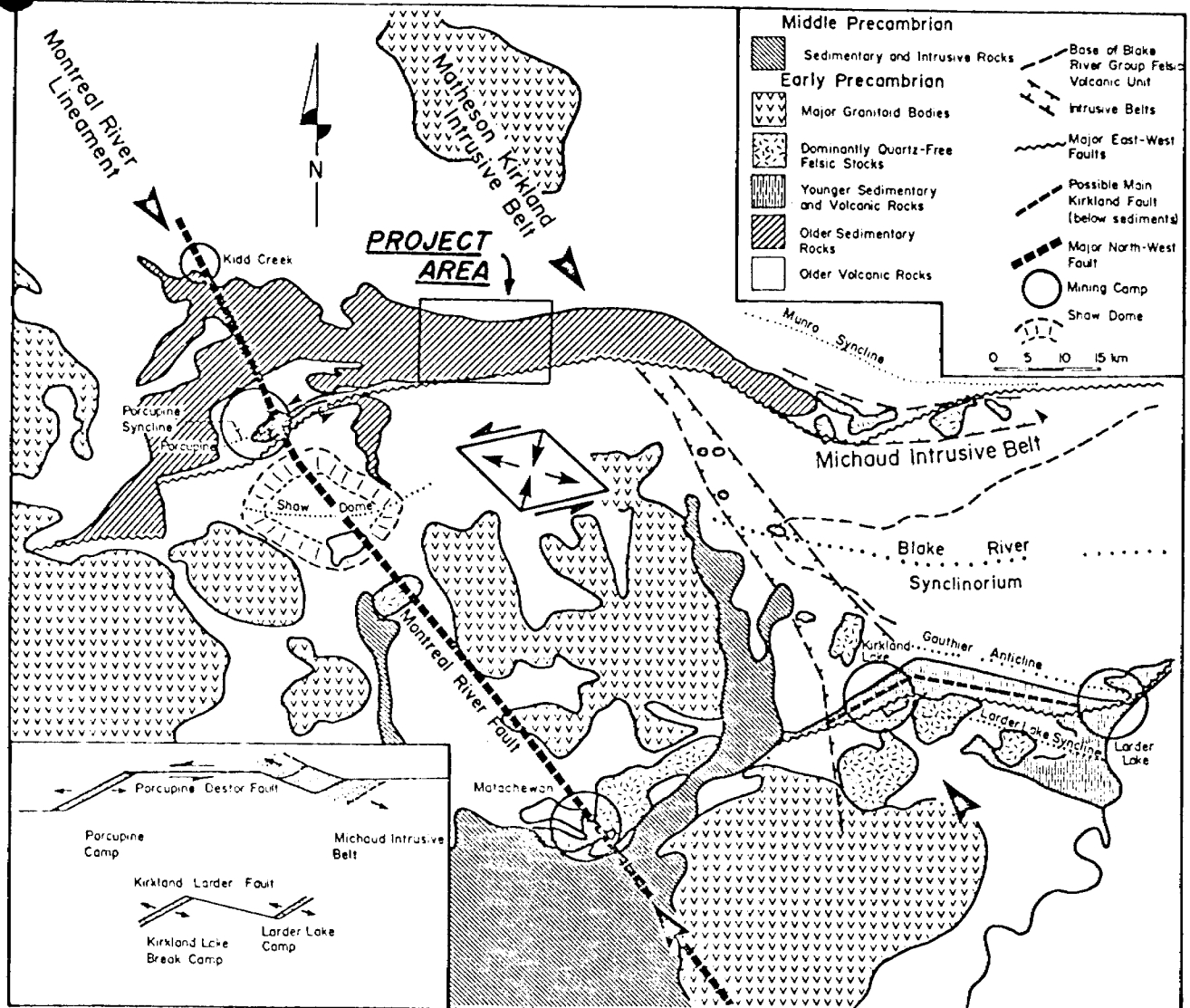
Assessment data, filed by Monpre Mines and Dominion-Gulf in the N $\frac{1}{2}$, LI, CI of Walker Township, confirms the presence of the fault and ultramafic volcanics. Both Monpre Mines and Dominion-Gulf carried out ground magnetic and electromagnetic surveys which defined the contacts of the magnetic-ultramafics. Monpre Mines drill hole #5 encountered sheared and talcose ultramafics.

Regional mapping in the area of the Walker-3 group has been limited to private exploration companies and prospectors. Considerable work by C. W. Knight and W. Sutton (1936-46) was carried out on gold properties located in Carr and Clergue Townships. A Data Series compilation map by H. Lovell of the Ontario Geological Survey is available for Walker Township (P-857, 1973).

REGIONAL GEOLOGY

The project area lies within the Central Abitibi Greenstone Belt immediately east of Timmins. The major rock unit consists of an east-west striking fault bounded suite of sedimentary rocks adjoined on the north and south by mafic to ultramafic volcanics. The sedimentary basin is up to 7 kilometres in width and contains finely bedded to unbedded siltstone, greywacke and tuff (Figure 3).

The edges of the sedimentary graben are defined by the Porcupine-Destor on the south and the Pipestone Fault on the north. The fault traces are well defined by geophysics and historical drilling. These faults have served as channelways for altering fluids derived from metamorphism and shallow intrusive bodies. The rock in proximity to the faults is extremely fissile and often labelled as tuffs. Where mafic/ultramafic rocks have been faulted the rock is altered to talc/chlorite/carbonate schist (soapstone). Sedimentary or tuffaceous rocks generally show sericite/carbonate alteration. The sedimentary-Volcanic contacts are fairly abrupt with massive volcanics and tuffs transitional to finely bedded clastic sediments over a few hundred metres.



Geology of the Timmins-Kirkland Lake area (from Hodgson 1982 after Pyke et al. 1973)

REGIONAL GEOLOGY

"PIPESTONE PROJECT"

069

The volcanic rocks north of the sedimentary graben are much more varied than those to the south. The northern suite ranges from mafic and ultramafic flows to rhyolitic tuffs and flows. These rocks belong respectively to the Tisdale and Stoughton-Roquemaure Series in the Timmins and Lake Abitibi Areas (Table 2). The felsic volcanics within this northern section are part of the Hunter Mine Group which hosts the Kidd Creek Cu, Zn, Ag orebody. The contrast in the mineralogical composition of these rocks means that there is a great variety in the magnetic patterns to the north of the graben (O.G.S. Input Survey, 1984).

The southern volcanic suite is much more homogeneous. The volcanics vary from basaltic to dacitic in composition and show very little contrast in their magnetic signatures. The southern volcanics belong to the Deloro Group in Timmins Area and Kinojevis/Hunter Mine Groups in the Lake Abitibi Area.

The sedimentary rocks are commonly thought to be Timiskaming in age, younger than either the northern or southern volcanics. Prest (1952) and Hodgeson (1983) working in Carr Township and Timmins respectively have suggested that the sedimentary rocks may be the oldest rocks in the area.

INTRUSIVE ROCKS

Some mafic to ultramafic rocks occur within the graben in the form of dykes and plugs. Where intersected by historical drilling the plugs are of ultramafic composition. These plugs are reflected by circular to crescent shaped magnetic highs on airborne surveys.

The mafic dykes in the area are well defined by magnetic surveys and occur as 25-250 metre wide linears continuous over 10's of kilometres. The N-S trending dykes are of the Matachewan Series and are cut by younger Keweenawan dykes oriented on an ENE trend.

A few small felsic intrusions occur in the area especially on or near the trace of major fault zones. These intrusions do not have any known geophysical signature and are hidden by the 10-50 metres of overburden which mantles the sedimentary graben. Two east-west striking felsic porphyries occur along the Porcupine-Destor in the property area. The first occurs in Macklem Township and hosts the new Pominex Gold Discovery. The second porphyry is located in Taylor Township and has been held since the 1940's by Hollinger Exploration. Similar type felsic porphyries have been observed to the north along the Pipestone Fault. The majority of known gold occurrences along the Porcupine-Destor and Pipestone structures have felsic intrusions associated with them.

COMPARATIVE STRATIGRAPHY / CENTRAL ABITIBI

HODGESON 1983

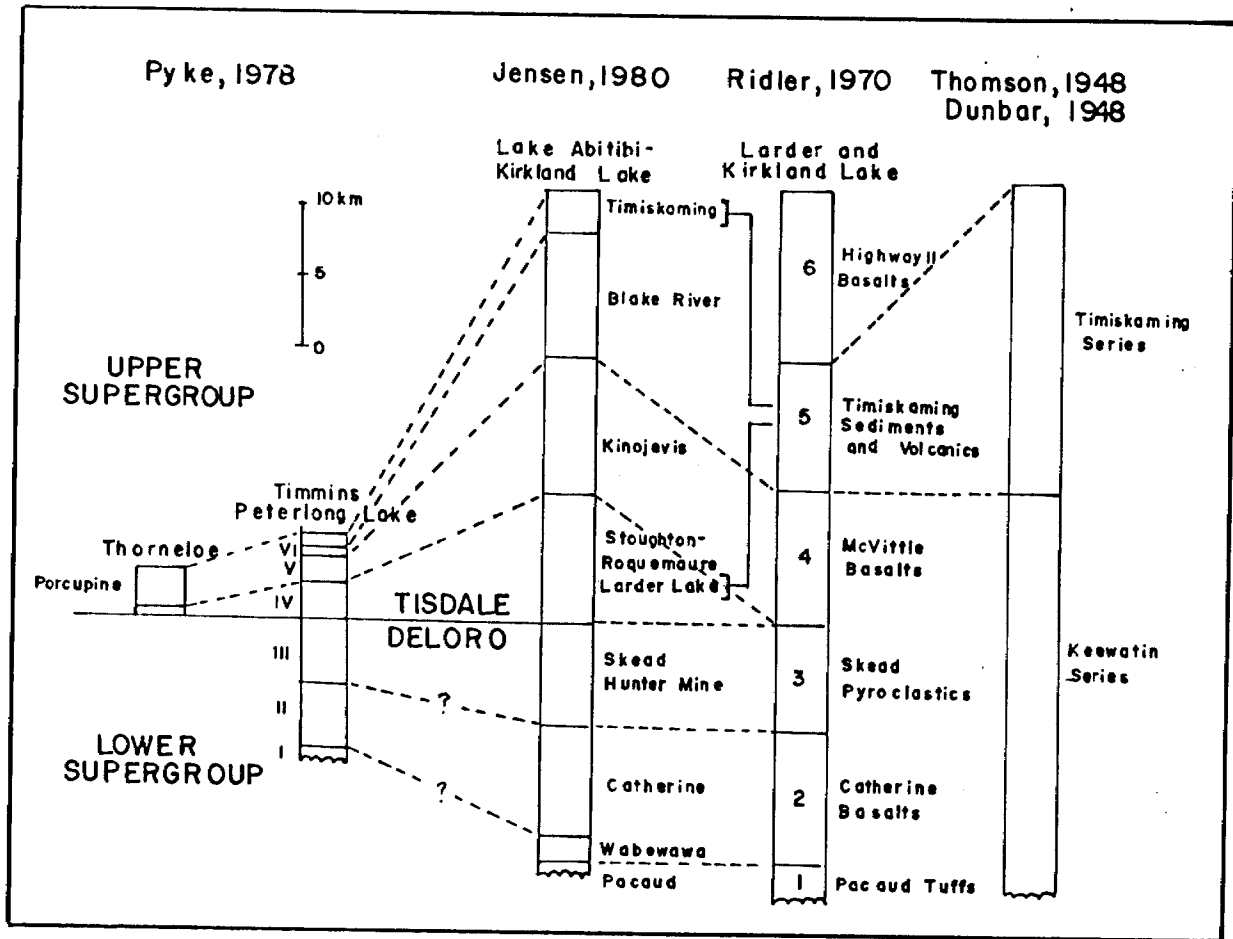


FIG. 5

TABLE OF FORMATIONS - I

CENOZOIC

Pleistocene Varved clay
 & glacial outwash

PRECAMBRIAN

Keweenawan Diabase (east-west dykes)

Matachewan Diabase (north-south dykes)

Algoman Albite granite, quartz-feldspar porphyry

Ultrabasic
Intrusions Peridotite & serpetinized rock

Sediments Siltstone, Greywacke, Quartz-Pebble Conglomerates

Volcanics Basic to intermediate lavas and flow breccias;
 spherulitic and amygdaloidal horizons; tuffs and
 agglomerates

GEOLOGICAL MAPPING

The results of the mapping-prospecting have been recorded on a 1:5000 scale airphoto base. All major areas of vegetation, soil type and topographic boundaries are recorded for the individual claims.

The property was traversed along pace and compass lines in a N-S direction. The traverse spacings were up to 120 metres and all claim lines and posts were located as part of the survey. No outcrop areas were located on the Walker-3 group. Mapping carried out on Cananamx patent groups, in southern Walker Township, indicates that pillowed volcanics are the most common rock type exposed along strike from the Walker-3 claims. Timiskaming-type sedimentary rocks are exposed in northern Carr Township, approximately 10 kilometres east of the Walker-3 claim group.

CONCLUSION

The Walker-3 claim group lies immediately south of the Pipestone Fault structure. The claim group is mantled by 30-40 metres of clay and till overburden. The underlying rock formation consists of east-west striking sediments of the Timiskaming Group. The sediments are cut by a N-S striking Matachewan diabase dyke and bordered on the north by ultramafic volcanic rocks.

Submitted by:



Timmins, Ontario
February, 1985

Eugene Kent
Geologist

TABLE II
SCHEDULE OF CLAIMS

PROJECT 069-02

Claim Group	Township	Claim No.	Lot	Conc.	Recording Date
069-02 Walker-3	Walker	L-716686	2	I	September 14, 1983
		L-716687	2	I	September 14, 1983
		L-716688	2	I	September 14, 1983
		L-716689	2	I	September 14, 1983

DECLARATION

I, A. Eugene Kent, of the City of Timmins, in the Province of Ontario, with a mailing address of R.R.#1, MacDonald Hill, do hereby certify that:

1. I am a geologist employed by Canamax Resources Inc., with offices at 255 Algonquin Blvd. West, Timmins, Ontario.
2. I attended Lakehead University in Thunder Bay, Ontario and graduated with the degree of B.Sc. Honours in Geology in 1981.
3. I have five summers and four years of field experience in geological mapping and related fields of exploration.
4. I was personally present on the property and did supervise the survey as reported.
5. I do not have, nor do I expect to have, any interest in the properties held by Canamax Resources Inc.

Dated at Timmins, Ontario.


.....
Eugene Kent

J. L. ...
 Ministry of Natural Resources
 Ontario
 Report of Work
 (Geophysical, Geological, Geochemical and Expenditures)
 069-02
 116686

2.7



900

Type of Survey(s): **Geological Survey** Township or Area: **Walker Twp.**
 Claim Holder(s): **Canamax Resources Inc.** Prospector's Licence No.: **T-1318**
 Address: **255 Algonquin Blvd. West, Timmins, Ontario. P4N 2R8**
 Survey Company: **Canamax Resources Inc.** Date of Survey (from & to): **24 06 84 27 06 84** Total Miles of line Cut:
 Name and Address of Author (of Geo-Technical report): **Eugene Kent, 255 Algonquin Blvd. West, Timmins, Ontario. P4N 2R8**

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
For each additional survey: using the same grid: Enter 20 days (for each)		20
	Geological	
	Geochemical	

Man Days

Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Airborne Credits

Note: Special provisions credits do not apply to Airborne Surveys.	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures \$ ÷ 15 = Total Days Credits

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

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
L	716686	20			
	716687	20			
	716688	20			
	716689	20			

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 MAR 13 1985
 MINING LANDS SECTION
 L.A. ... LAKE
 MAR - 4 1985
 7 18 19 10 11 12 13 14 15 16
 PM

Total number of mining claims covered by this report of work. **4**

Date: **February 26, 1985**
 Recorded Holder or Agent (Signature): *Rosemary ...*

For Office Use Only

Total Days Cr. Recorded: **80**
 Date Recorded: **MAR 4 1985**
 Mining Recorder: *[Signature]*
 Date Approved/Recorded: *85. 4. 2*
 Branch Chief: *[Signature]*

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying:
Eugene Kent, c/o Canamax Resources Inc.
255 Algonquin Blvd. W., Timmins, Ont. P4N 2R8
 Date Certified: **Feb. 26/85**
 Certified by (Signature): *E. Kent*



Ontario

Ministry of Natural Resources

File _____

GEOPHYSICAL -- GEOLOGICAL -- GEOCHEMICAL
TECHNICAL DATA STATEMENT

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

069-02

Type of Survey(s) Geological Survey

Township or Area Walker Township

Claim Holder(s) Canamax Resources Inc.

Survey Company Canamax Resources Inc.

Author of Report Eugene Kent

Address of Author 255 Algonquin Blvd. W., Timmins, Ont.

Covering Dates of Survey June 24 to 27, 1984
(linecutting to office)

Total Miles of Line Cut _____

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
L	716686
L	716687
L	716688
L	716689

**SPECIAL PROVISIONS
CREDITS REQUESTED**

DAYS
per claim.

ENTER 40 days (includes
line cutting) for first
survey.

ENTER 20 days for each
additional survey using
same grid.

Geophysical _____
 --Electromagnetic _____
 --Magnetometer _____
 --Radiometric _____
 --Other _____
 Geological 20
 Geochemical _____

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

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: March 25, 1985 SIGNATURE: E. Kent
Author of Report or Agent

Res. Geol. _____ Qualifications 24064

Previous Surveys

File No.	Type	Date	Claim Holder

TOTAL CLAIMS 4

If space insufficient, attach list

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations _____ Number of Readings _____

Station interval _____ Line spacing _____

Profile scale _____

Contour interval _____

MAGNETIC

Instrument _____

Accuracy -- Scale constant _____

Diurnal correction method _____

Base Station check-in interval (hours) _____

Base Station location and value _____

ELECTROMAGNETIC

Instrument _____

Coil configuration _____

Coil separation _____

Accuracy _____

Method: Fixed transmitter Shoot back In line Parallel line

Frequency _____
(specify V.L.F. station)

Parameters measured _____

GRAVITY

Instrument _____

Scale constant _____

Corrections made _____

Base station value and location _____

Elevation accuracy _____

INDUCED POLARIZATION RESISTIVITY

Instrument _____

Method Time Domain Frequency Domain

Parameters -- On time _____ Frequency _____

 -- Off time _____ Range _____

 -- Delay time _____

 -- Integration time _____

Power _____

Electrode array _____

Electrode spacing _____

Type of electrode _____

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

Corrections made _____

RADIOMETRIC

Instrument _____

Values measured _____

Energy windows (levels) _____

Height of instrument _____ Background Count _____

Size of detector _____

Overburden _____

(type, depth – include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey _____

Instrument _____

Accuracy _____

Parameters measured _____

Additional information (for understanding results) _____

AIRBORNE SURVEYS

Type of survey(s) _____

Instrument(s) _____

(specify for each type of survey)

Accuracy _____

(specify for each type of survey)

Aircraft used _____

Sensor altitude _____

Navigation and flight path recovery method _____

Aircraft altitude _____ Line Spacing _____

Miles flown over total area _____ Over claims only _____

GEOCHEMICAL SURVEY - PROCEDURE RECORD

Numbers of claims from which samples taken _____

Total Number of Samples _____

Type of Sample _____
(Nature of Material)

Average Sample Weight _____

Method of Collection _____

Soil Horizon Sampled _____

Horizon Development _____

Sample Depth _____

Terrain _____

Drainage Development _____

Estimated Range of Overburden Thickness _____

SAMPLE PREPARATION

(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis _____

General _____

ANALYTICAL METHODS

Values expressed in: per cent
p. p. m.
p. p. b.

Cu, Pb, Zn, Ni, Co, Ag, Mo, As, -(circle)

Others _____

Field Analysis (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Field Laboratory Analysis

No. (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Commercial Laboratory (_____ tests)

Name of Laboratory _____

Extraction Method _____

Analytical Method _____

Reagents Used _____

General _____



CANAMAX RESOURCES INC.

TIMMINS, ONTARIO
255 ALGONQUIN BLVD. WEST
P4N 2R8
TELECOPIER 705-264-5247
TELEPHONE 705-264-5247

March 25, 1985

Our File: 069-02

S. E. Yundt,
Ontario Ministry of Natural Resources,
Room W 6643, Whitney Block,
Queen's Park,
Toronto, Ontario.
M7A 1W3

Dear Madam:

Re: Mining Claims L-716686 to L-716689 incl.,
Walker Township

Enclosed herewith please find two (2) copies of a report concerning a geological survey which was carried out over a group of four (4) contiguous mining claims located in Walker township in the Larder Lake Mining Division.

A Report of Work was filed with Mr. George Koleszar, Mining Recorder for the Larder Lake Mining Division on February 26, 1985.
(File L-716686)

Thank you.

Yours truly,
CANAMAX RESOURCES INC.

Rosemary Tittley

Rosemary Tittley (Mrs.)
Land Records

Encs. 2

c.c. K. Clemiss/E. Barclay, Toronto
G. Koleszar, Mining Recorder, Kirkland Lake

RECEIVED

MAR 26 1985

MINING LANDS SECTION

CON II
CON I

CON I WALKER-TAYLOR BOUNDARY ROAD

CON VI



WALKER-3
069-02

TISDALE-HUNTER MINE
GROUP VOLCANICS

PIPESTONE FAULT

TIMISKAMING
SEDIMENTARY ROCK

BLACK RIVER

SHALLOW RIVER

MONPPE MINES
Ovb 40m
V6
V13

69m ovb
104m
VI3, mg
T.C.S.
153m

716689

3D [G]

Alder

Till

Pasture

Clay

Alder

Alder

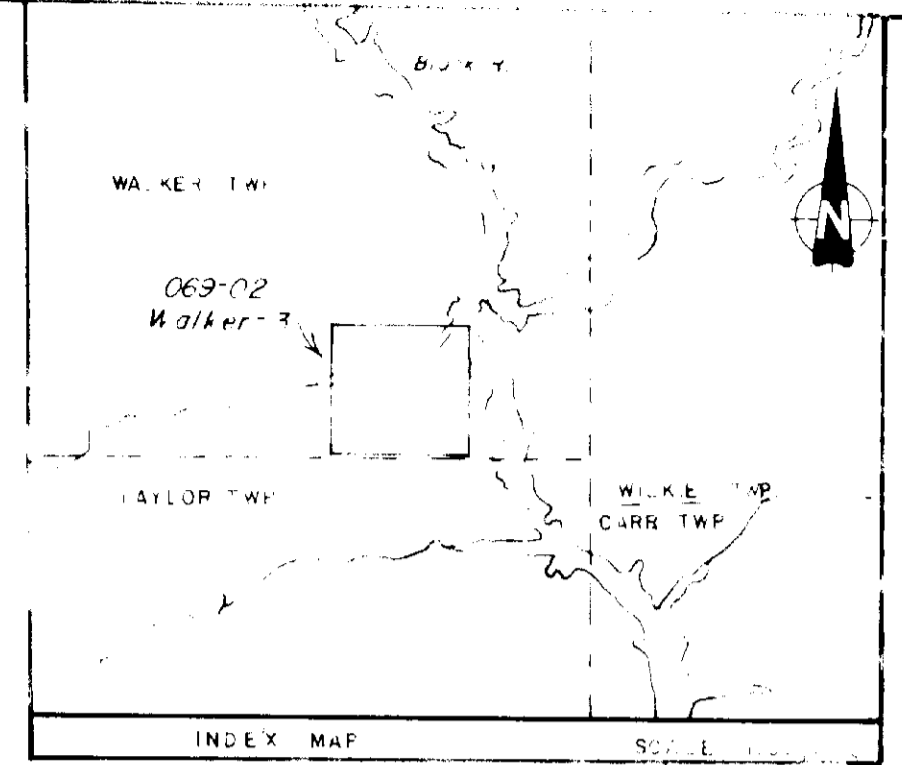
Pasture

Farm

LOT 2

LOT 1

LOT 3



LEGEND

- V6/V7 Mafic volcanic flows
- V13 Intratuff flow
- TU Tuffaceous clay
- TI Tephritic tuffite intratuff
- Siltstone
- Clay
- Altered volcanic ash
- Bedrock contact surface
- Trowline line
- Lot/obstruction line
- Topographic boundary
- Ridge

E. Koff

NOTE: All material is located on this property.

27922

CANAMAX RESOURCES INC.
 GEOLOGICAL SURVEY
 PIPESTONE PROJECT
 WALKER-3, 069-02
 Walker Township
 N.T.S. 42-A-10 Date: Feb 1985 Scale: 1:5000