

42A02SW0074 2.7260 ARGYLE

010

Report on
VLF Electromagnetic Survey
on
Tomfox Lake Group
Argyle Twp.
Larder Lake Mining Division
Ontario

RECEIVED

OCT 03 1984

MINING LANDS SECTION

M. Leahy
August, 1984

*Qual.
2.2689*

INTRODUCTION

Location: The property herein described consists of four unpatented mining claims located near the northwest corner of Argyle Township. The property lies about 15 miles west of Matachewan and the claims are numbered as follows: L-737273

737274

772596

772595

Access: The claims may be reached by travelling Highway 66 west of Matachewan to a point 3/4 of a mile south of Argyle Lake. Then 5 miles north on a gravel road to Whitefish Creek. Then 1/2 mile by foot trail to the eastern boundary of the group.

History: In the 1940's Tom Fox Sr. did a limited amount of trenching and sampling. The results of which are unknown. In 1974, Ecstall Mining Limited conducted magnetometer and horizontal loop EM surveys over the property using N-S grid lines. The results of these surveys showed no significant conductors or magnetic anomalies, although two short holes were drilled by Texas Gulf in 1975. One of these holes intersected a 7.2 foot section containing pyrite and sphalerite.

Assays of the sulphide zone gave the following results:

Cu	Zn	Pb	Au	Ag
0.004%	2.96%	0.16%	0.01 oz/ton	0.10 oz/ton

Geology: (From Ecstall Mining Ltd., 1974)
"According to O.D.M. Map 2205, this area has only been mapped on a reconnaissance level. The available geology suggests that the claim group is underlain by mafic flows and pyroclastic rocks. North-south trending diabase dikes cross the claims."

VLF Electromagnetic Survey

During January and February 1984, lines were cut over the property, with the base line oriented NW-SE and picket lines at 300 foot intervals oriented NE-SW. Lines were chained with stations established every 100 feet. A total of 3,300 feet of base line and 5.25 miles of picket lines were cut and readings were taken every 100 feet. A total of 260 readings were taken. Instrument used was a Geonics EM-16 VLF electromagnetic receiver using Annapolis Maryland as Transmitter (21.4 kHz). Results were plotted on a base map with a scale of 1"=200'. Values were profiled using a vertical scale of 1"=40%. The Fraser filter technique was used to transform the dip angle readings to contourable values which were plotted on the same map. Readings were taken facing NE making NE dips positive.

Results of the Electromagnetic Survey

Two parallel conductors were outlined by the survey. Both conductors are of medium strength and strike NW-SE, parallel to and NE of the base line. The conductors traverse the entire property and are open at both ends. Since the survey was conducted with two feet of snow on the ground, it is not known if either of these conductors could be located on outcrop.

Conclusions

Since the conductors outlined by the survey are near zones of base and precious metal mineralization, they should be seriously considered as drill targets even if no further surface indications are found.

M. Leahy, 1984

Michael Leahy

CERTIFICATE

This is to certify that:

- 1- I am a graduate in prospecting techniques from the Northern College of Applied Arts and Technology, Haileybury Campus, 1976. I have been active as a prospector since 1974.
- 2- I am a member in good standing of the F.D.A., N.P.A., C.I.M.M. and reside and hold office at 139 Carter Ave, Kirkland Lake, Ontario.
- 3- I have no interest in the Tomfox Lake Group.
- 4- My report is based on having personally conducted the VLF survey, interpretation of the results and upon my familiarity and experience as a prospector in the Kirkland Lake gold area.

Kirkland Lake, Ont.
August, 1984



M. Leahy
Prospector

Report of Work
 (Geophysical, Geological,
 Geochemical and Expenditures)

2.7260

Instructions: - Please type or print.
 - If number of mining claims traversed exceeds space on this form, attach a list.
 Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
 Do not use shaded areas below.

Oct. 22nd

#330

Mining Act

Survey(s) **737273** Township or Area **ARGYLE Twp.**
 Claim Holder(s) **PHIL FOX SR.** Prospector's Licence No. **K19276**
 Address **6 TECK AVE KIRKLAND LAKE ONT.**
 Survey Company **M. LEAHY** Date of Survey (from & to) **8 4 84 8 4 84** Total Miles of line Cut **6 MILES**
 Name and Address of Author (of Geo-Technical report) **139 CARTER KIRKLAND LAKE ONT.**

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	40
	Magnetometer	
	Radiometric	
	Other	
For each additional survey: using the same grid: Enter 20 days (for each)	Geological	
	Geochemical	
	Geophysical	
	Other	
Man Days Complete reverse side and enter total(s) here	Electromagnetic	
	Magnetometer	
	Radiometric	
	Other	
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.	Geological	
	Geochemical	
	Electromagnetic	
	Magnetometer	
	Radiometric	

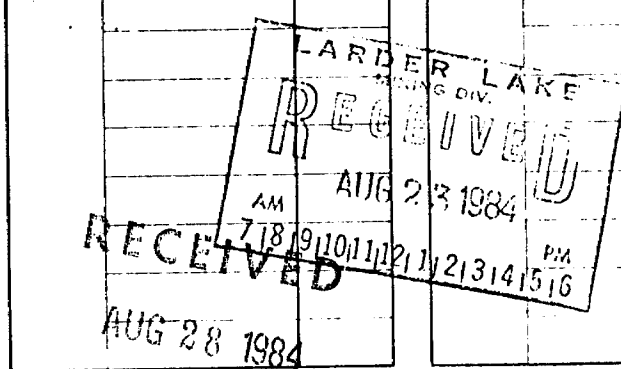
Mining Claims Traversed (List in numerical sequence)

Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.
L	737273	40			
	737274	40			
	772596	40			
	772595	40			

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.

Date **Aug 22 1984** Recorded Holder or Agent (Signature) **Philip Fox SR**



MINING LANDS SECTION

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

For Office Use Only
 Total Days Cr. Recorded **160** Date Recorded **AUG 23 1984**
 Date Approved **8.12.5** Mining Inspector (Signature)

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 **M LEAHY**
139 CARTER KIRKLAND LAKE ONT. Date Certified **Aug 22 1984** Certified by (Signature) **Michael Leahy**

REGISTERED

November 30, 1984

File: 2.7260

Phil Fox Sr.
6 Teck Avenue
Kirkland Lake, Ontario
P2N 2X4

Dear Sir:

RE: Geophysical (VLF) Survey submitted on
Mining Claims L 737273 et al in the
Township of Argyle

Enclosed is a copy of our letter dated October 16, 1984
requesting additional information for the above-mentioned
survey.

Unless you can provide the required data by December 17, 1984
the mining recorder will be directed to cancel the work
credits recorded on August 23, 1984.

For further information, please contact Mr. Ray Pichette
at (416)965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416)965-4888

S. Hurst:mc

cc: Mining Recorder
Kirkland Lake, Ontario

cc: M. Leahy
139 Carter Avenue
Kirkland Lake, Ontario
P2N 2A1

Encl.

October 16, 1984

Mining Recorders
File: 330
Our File: 2.7260

Phil Fox Sr
6 Teck Avenue
Kirkland Lake, Ontario
P2N 2X4

Dear Sir:

RE: Geophysical (VLF) Survey submitted on
Mining Claims L 732273 et al in the
Township of Argyle

We received reports and maps on October 3, 1984 for
the above-mentioned survey.

Returned herein is the plan (in duplicate). Please
have the raw in-phase and quadrature readings plotted
at each station on the plans and return them to this
office quoting file 2.7260.

For further information, please contact Doug Isherwood
at (416)965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

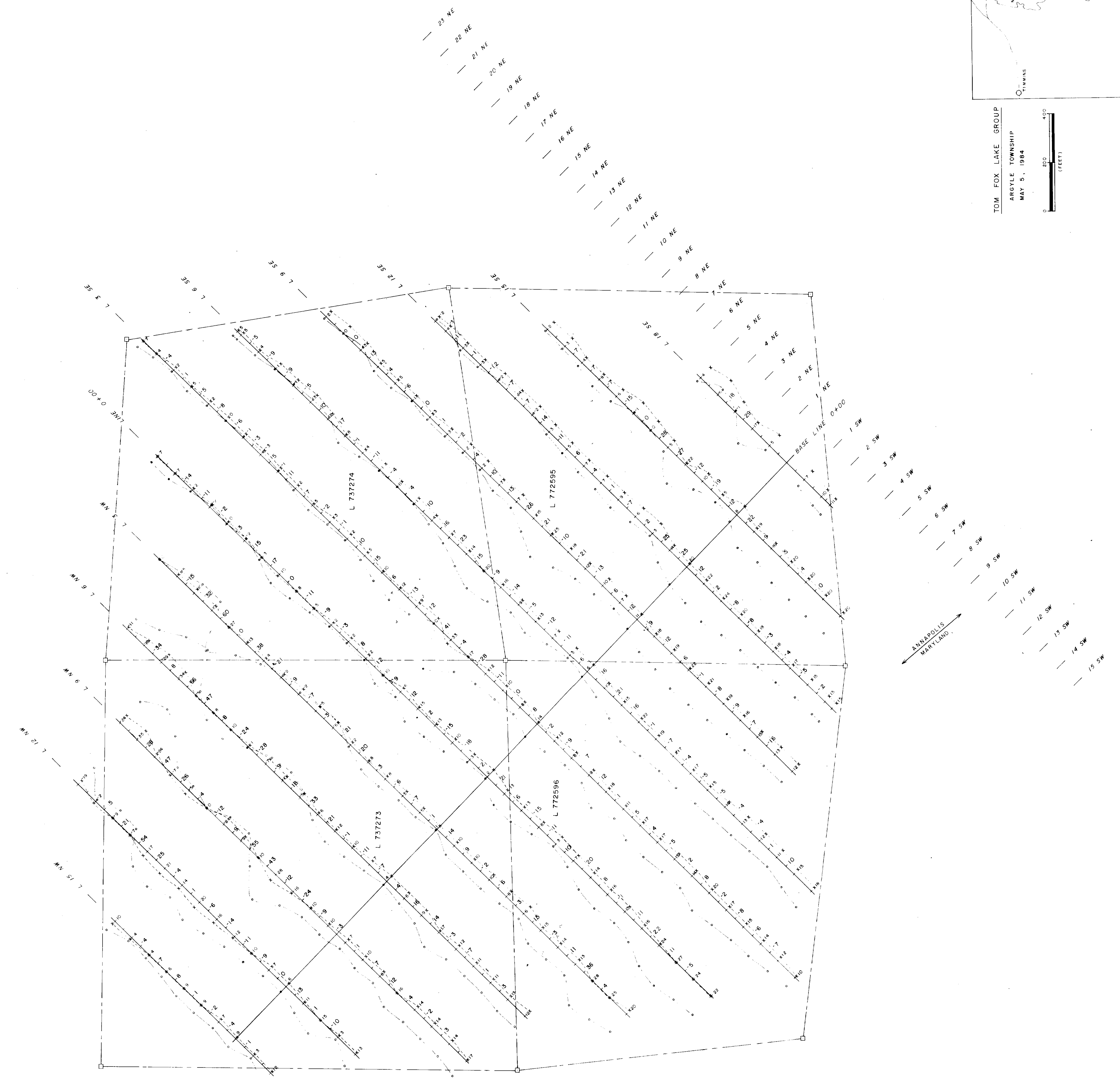
Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416)965-4888

D. Isherwood:mc

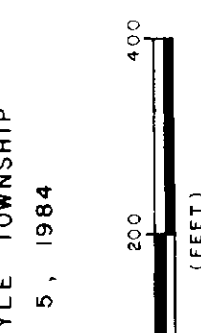
cc: Mining Recorder
Kirkland Lake, Ontario

cc: M. Leahy
139 Carter Avenue
Kirkland Lake, Ontario
P2N 2A1

Encl.

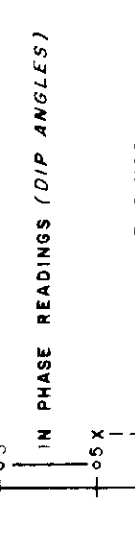


TOM FOX LAKE GROUP
 ARROYO TOWNSHIP
 MAY 5, 1984

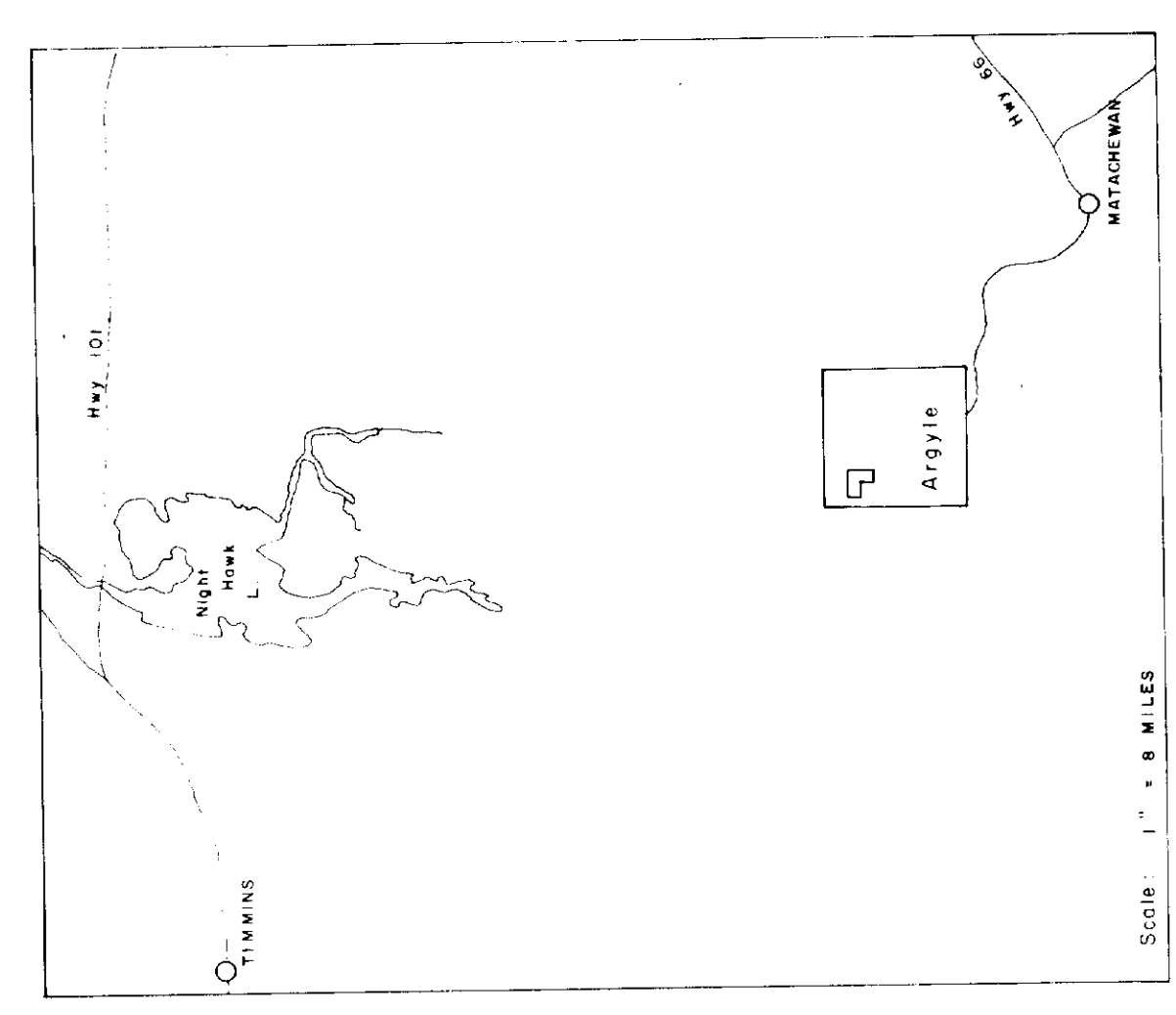


LEGEND

INSTRUMENT: GEONICS EM-16
 FREQUENCY: 21.4 MHz
 TRANSMITTER STATION: ANNAPOLIS, MARYLAND (INS)



PROFILE SCALE: 1 inch = 40 degrees



Scale: 1" = 8 Miles

