



42A025E8426 83.5677 ALMA

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CAIRO TOWNSHIP PROJECT

MINISTRY OF NORTHERN
DEVELOPMENT AND MINES

A small amount of power stripping was carried out on two claims in Cairo⁹¹ Twp.
seven (7) miles by road, northeast of Matachewan.

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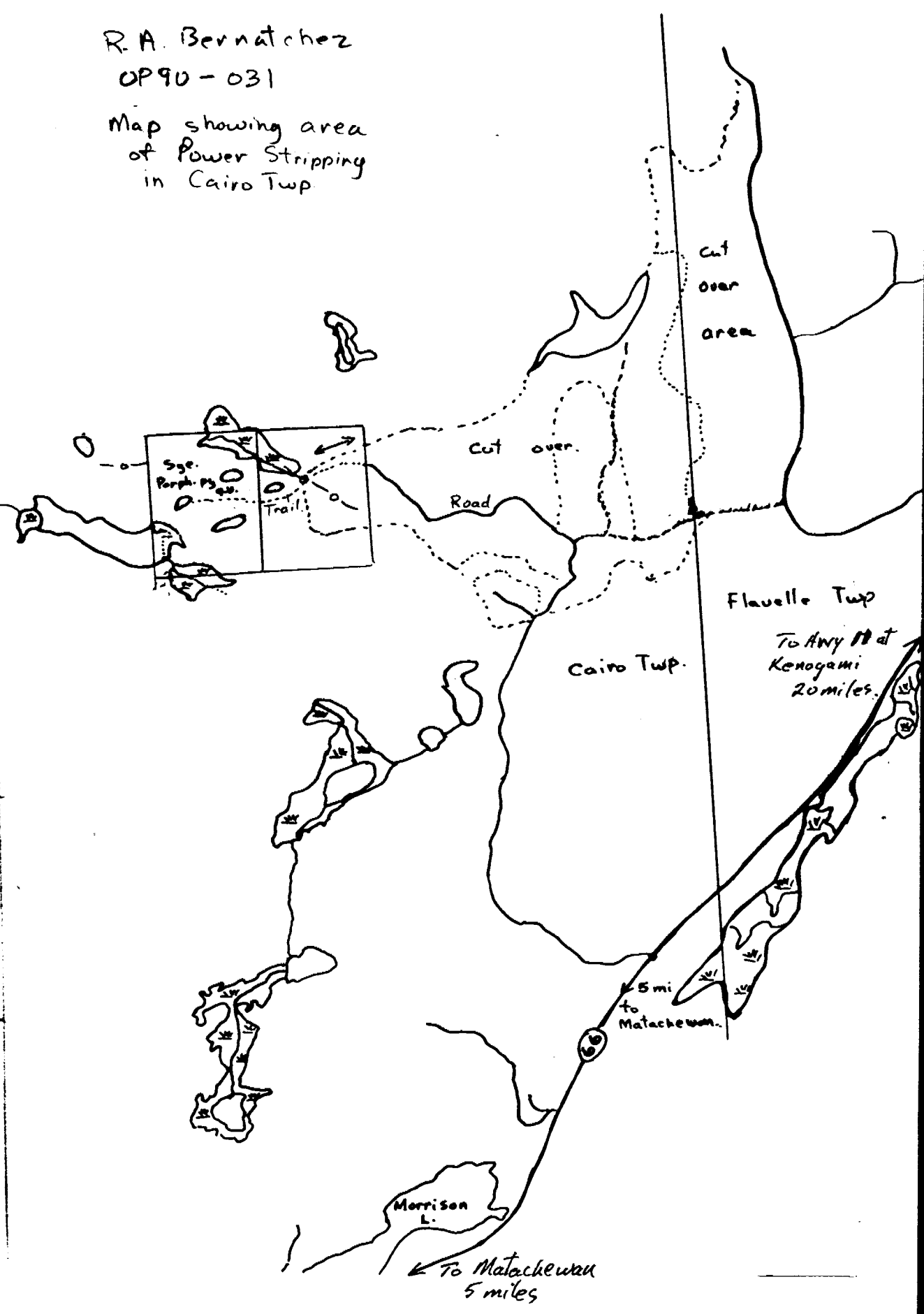
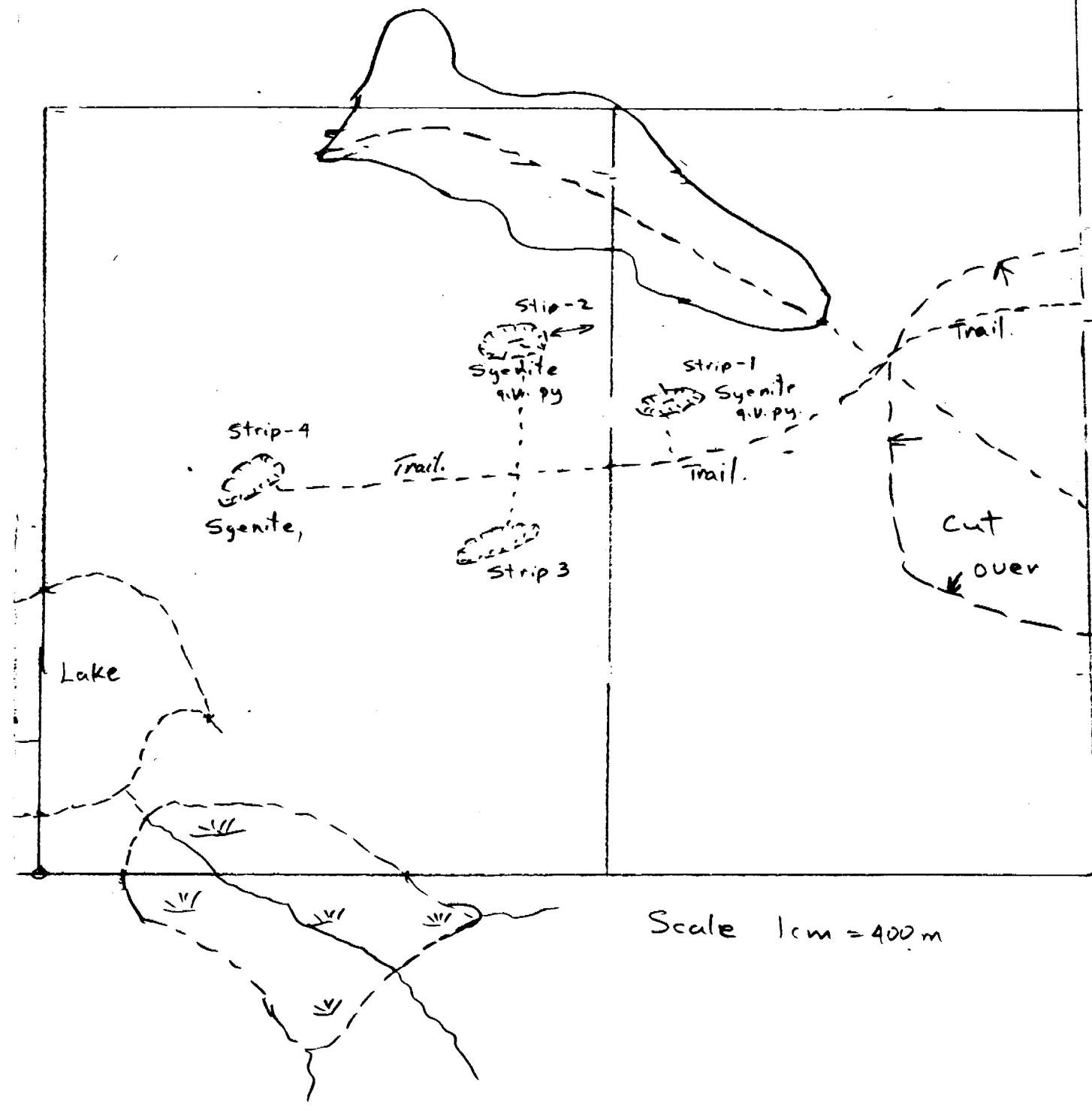
The objective of the stripping was to remove the overburden from bedrock covering syenite porphyry mineralized with quartz veins and pyrite. This area is located downstrike southwest from a deformation zone defined by Powell et al (O.G.S. 1989) in Flavelle Twp. This deformation zone north of Wiley Lake is known to be auriferous. Queenston Resources reports an assay of 18.6 oz gold per ton from a grab sample in the northeast corner of Wiley Lake. These deformation zones are westerly extensions of the Kirkland Lake - Larder Lake Break west of Kirkland Lake.

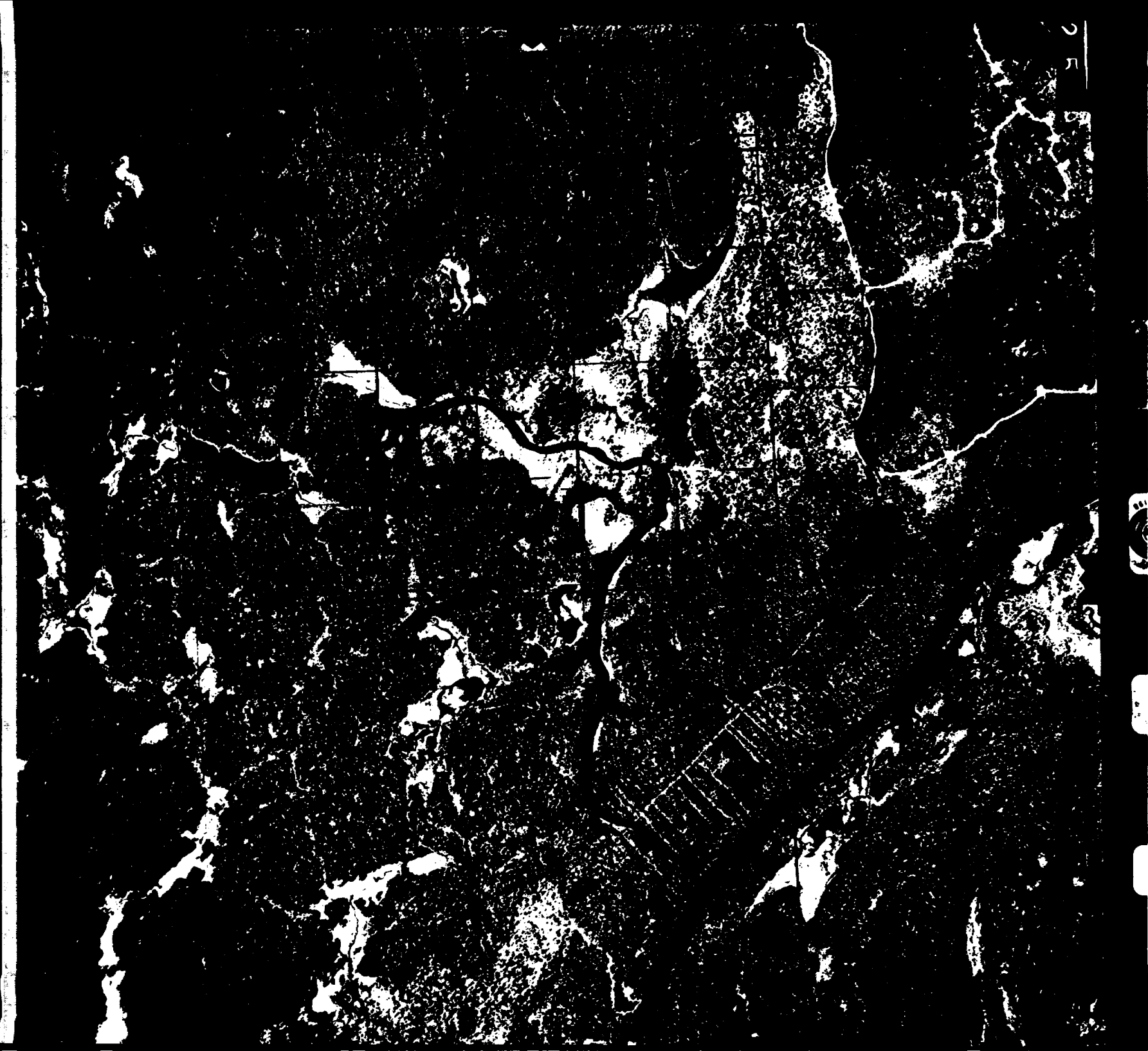
The stripping program uncovered some syenite mineralized with quartz veins. The heavy snow conditions during stripping prevented proper viewing of the bedrock outcrop and mineralization. Further work is required to properly analyse the mineralized nature of the area. This will be done this spring once the snow has melted.

Raymond A. Bernatchez
Raymond A. Bernatchez

OP90-032.

R. A. Bernatchez
OP90-031
Map showing area
of Power Stripping
in Cairo Twp.





→ To Kenogami
Hwy 11
20 mi

Report on Steve Lake Project

My original application was for an area 2 miles south of present Project Area. The original area was staked by another group. This new area was selected because of base metal occurrences south of Steve Lake found by Canadian John's Marvelli in 1975.

In 1989 a new logging road was pushed into the area and trees were harvested in nearly all of present claims, south and east of Steve Lake. I started prospecting along these new roads and found numerous occurrences of sulphides at various locations as shown on maps 1, 2, and 3. I also prospected in an area west and south of presently staked claims. I am hoping to add several more claims to the group.

The geology consists of andesites, diorites and rhyolites as shown on maps. The area to the west of staked claims had abundant rhyolite flows.

Chalcopyrite, sphalerite and galena was found on the property by "C. J. H."

Reason for samples not taken at this time is due to stripping done in January. So much snow for proper sampling.

Special circumstances delayed the prospecting and sampling at an earlier time. My friend was seriously injured in a accident and a major environmental accident in Matachewan (the tremendous tailings spill) and as being Chairman of the Improvement District of Matachewan I was kept very busy all fall assisting your ministry as well as many more.

Conclusions & Recommendations.

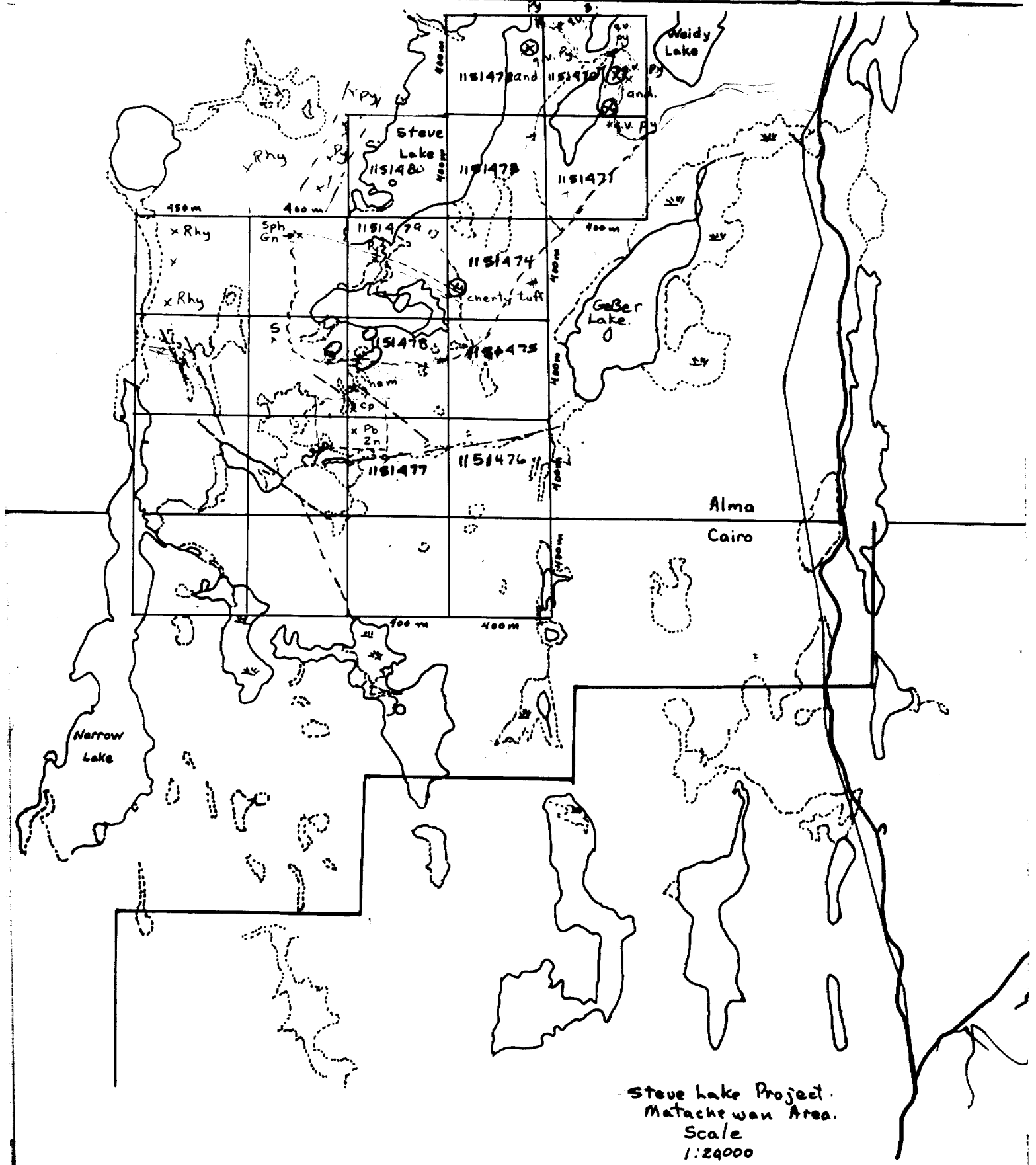
- Area has potential for base metals because of copper, lead and zinc found in area south of Steve Lake.
- Further work is recommended, such as line cutting, geo-physics, geology, detailed sampling plus additional staking.

Hopefully this report is sufficient, being that it is my first one.

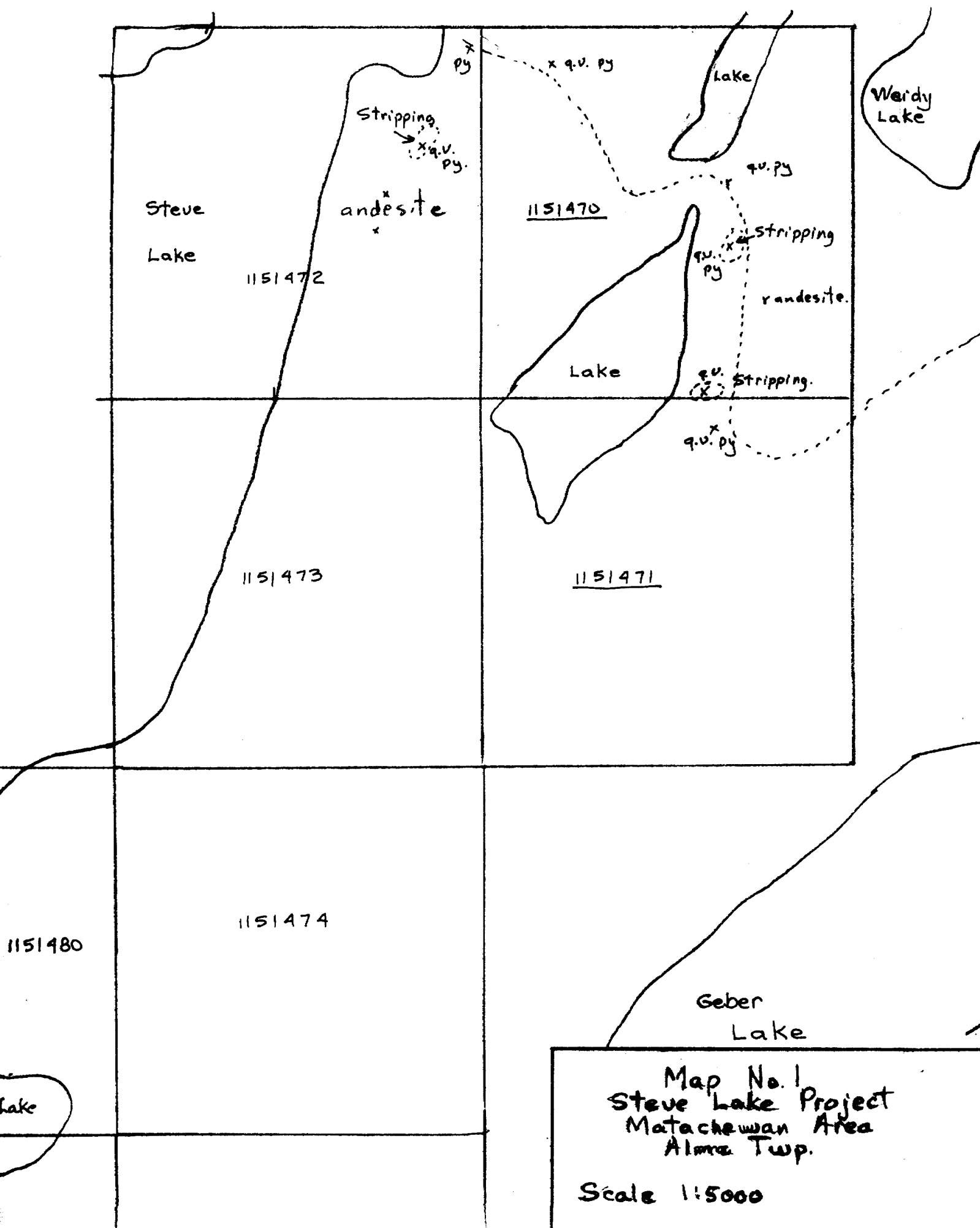
I wish to take this opportunity to thank you very much for your wholehearted co-operation. I firmly believe that this type of program give the prospector a terrific vote of confidence from your ministry and I really hope that many more mines will be discovered.

I remain respectfully

Gerald A Bernatchez

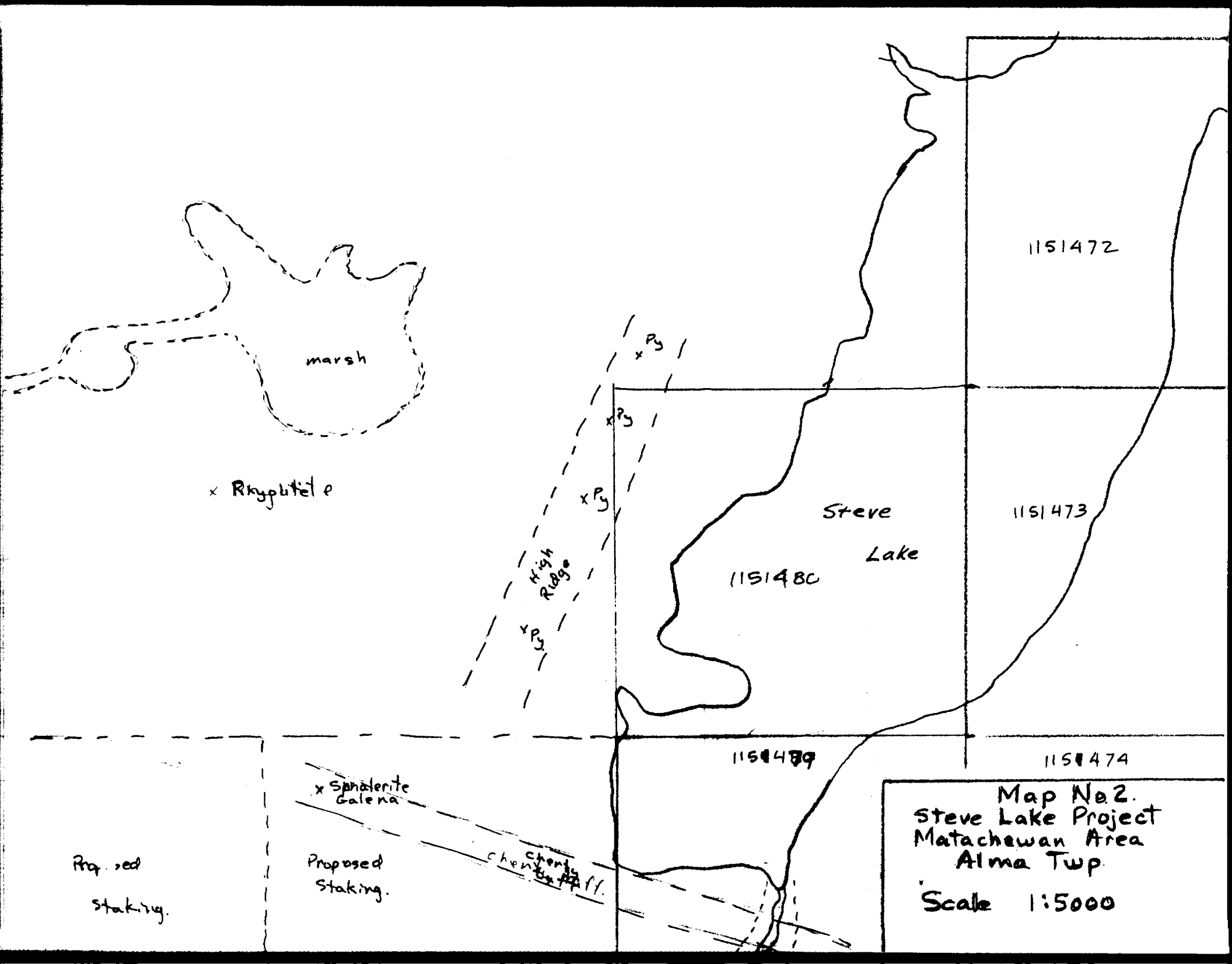


Steve Lake Project.
Matachewan Area.
Scale
1:24000



Map No. 1
Steve Lake Project
Matachewan Area
Alma Twp.

Scale 1:5000



marsh

x Rhyolite

High Ridge

x P₃

x P₃

x P₃

x P₃

1151472

1151473

Steve Lake

1151480

1151480

1151474

x Sphalerite Galena

Proposed Staking.

Proposed Staking.

cherty cherty

Map No. 2.
Steve Lake Project
Matachewan Area
Alma Twp.
Scale 1:5000

