42A01SE0193 2.6419 EBY

010

Mr. J. D. Reed,
R.R. 2, Site 3,
Swastika, Ont. P0K 1T0.

Assessment Report

Geological Survey

Group A

Reed Enterprises

Eby Township

Ontario

Field work June 1 to Oct. 1, 1984.

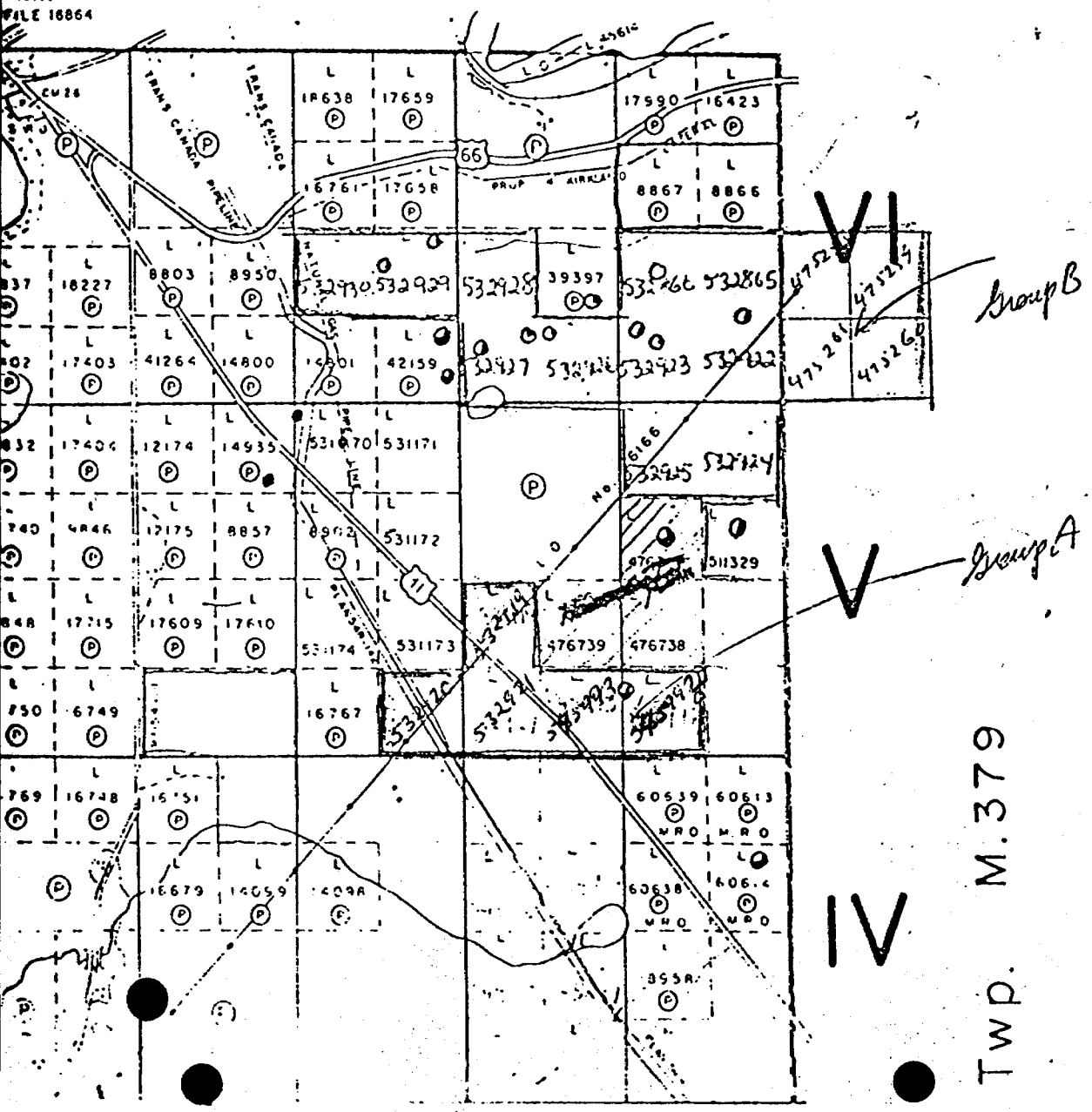
Reported by:

James D. Reed, B.A., B.Ed.

2 cert.
2.5067

RECEIVED
MINING LANDS SECTION

p. M. 351



THE TOWNSHIP OF

EBY

DISTRICT OF TIMISKAMING

LARDER LAKE MINING DIVISION

SCALE: 1-INCH=40 CHAINS

LEGEND

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

Table 1 | TABLE OF LITHOLOGIC UNITS

CENOZOIC

PLEISTOCENE AND RECENT

Silt, clay, sand, gravel

Unconformity

PRECAMBRIAN

PROTEROZOIC

LATE MAFIC INTRUSIVE ROCKS (NIPISSING OR KEWEENAWAN)

Diabase

Intrusive Contact

HURONIAN

COBALT GROUP

GOWGANDA FORMATION

Conglomerate, arkose, greywacke, argillite

Unconformity

ALKALIC INTRUSIVE ROCKS

Syenite, quartz syenite, porphyritic syenite, nepheline syenite, granite, aplite dikes, lamprophyre, diorite

Intrusive Contact

ARCHEAN

MAFIC INTRUSIVE ROCKS (MATACHEWAN OR NIPISSING)

Diabase

Intrusive Contact

FELSIC INTRUSIVE ROCKS (ALGOMAN)

Granite, porphyritic granite, granodiorite, granodioritic gneiss, syenite and trachyte

Intrusive Contact

EARLY MAFIC AND ULTRAMAFIC INTRUSIVE ROCKS (HAILEYBURIAN, EARLY ALGOMAN, AND KEEWATIN)

Serpentinite, peridotite, gabbro, diorite

Intrusive Contact

METASEDIMENTS (TIMISKAMING AND KEEWATIN)

Conglomerate, quartzite, greywacke, tuff, agglomerate, breccia

Unconformity and Interbedding

FELSIC METAVOLCANICS (KEEWATIN)

Rhyolite, dacite, dacite porphyry, iron formation, silicic tuff, agglomerate

MAFIC METAVOLCANICS AND METASEDIMENTS

Basalt, andesite, andesite porphyry, dacite, chloritic mafic tuff, agglomerate, amphibolite, garnet-epidote amphibolite, amphibolite gneiss, biotite-garnet-pyroxene amphibolite

ODM Report 99 Hewell (2)

Reed Enterprises, Group A.

Introduction.

The property was staked in 1979 at the time of the release of the Ontario Geological Survey airborne EM maps. One channel four anomaly was indicated. Five claims - L532919, 532920, 532921, ~~535993~~ 545993, and ~~535992~~ 545992 were staked in Eby Township and recorded with the Ministry of Natural Resources in Kirkland Lake on the licence of the author.

Location and Access

These claims are located in lots 1, 2, and 3 of Concession V of Eby Township in the Larder Lake mining division. They are intersected by Highway #11, the Trans-Canada Pipeline, and the H.E.P.C. transmission line, and a transformer station is located on the property.

Previous Work

A number of old trenches and pits were evident in 1979. Some of those on the two easterly claims were opened out by bulldozer in 1982. Several hundred feet of diamond drilling was done in the 1960's by Morris Fishkin. The logs are at the ministry office.

In 1980 we drilled a 103 foot hole with the four channel anomaly previously mentioned as a target. The log is filed with the ministry.

In 1981-82 line cutting was done and Mag, EM, and Radiometric surveys were run. Sampling was continued through this period.

Survey Method.

During the summer of 1983 sampling was done and field notes made, using the grid cut in 1981 as a base in order to corelate the work with the former surveys. Aid in rock type identification was obtained from Dr. L. Jensen, M.N.R., Toronto, who was mapping the general area; and Mr. G. Grabowski, of the local M.N.R. office. Particular attention was paid to any indicators from the previous surveys.

General Description

The five claims lie north of the arable land being farmed near Round Lake. The topography is rough, being composed largely of basalt outcrops, bogs, and a few areas of dry ground composed of glacial debris. This till is fairly level in the central portion south of Highway #11, broken rock being filled in with finer material. The area north of the pond near the eastern boundary is a beaver meadow which has not been drained for too many years as the broken dam remains.

Most of the area east of the highway has been logged since 1979, and a crew presently working there for a logging company should have it stripped by the time this report is filed.

The areas logged several years ago are becomming hard to examine due to a profusion of low second growth.

The portion of the property which lies west of the highway is covered mostly with young mixed forest. Since it is traversed by the H.E.P.C. and C.N. Gas there is a fair area free of forest.

In the event that water should be needed for drilling or washing down areas, there are four beaver ponds on the property. The largest is near the centre of the claim 545992. The other three are smaller, shallow, muddy affairs in a line to the west and south. The last just touching claim 532920 on the south line.

Geology

Cooke[1] says of the Eby-Otto area, (Can. Dept. of Mines, Geological Survey, Memoir 131, Ottawa, 1922, H.C. Cooke,) on page 4.

"The geology of the area discourages the expectation that valuable gold deposits will be found in it.

"The principal feature of geological interest is a large band of water-lain tuffs interbedded with the basalt flows of the Keewatin. Evidence shows that the tuff constituents of the finer-grained beds have suffered almost complete recrystallization under pressure, with production of fresh feldspar and actinalite mainly."

"...In general the Keewatin in the district may be said to form islands, or perdants, that is, remnants of the original roof of the large batholithic masses of granite and syenite found everywhere throughout the area."

Lavas

The basalts which form the major part of the Keewatin of the area, are dark greenish, massive rocks, with all the characteristics of extrusives. Pillow structures are particularly common, and flaw textures were frequently found.

Our group of five claims is covered by this basalt flow, which tends to become andesetic toward the west. Claim 532919 is mostly high ground, and we have marked most of it as outcrop, but it is difficult to examine as it has a shallow covering of debris on top.

The tuffs mentioned by Cooke trend across the property being up to the north boundary at the 00W line and drifting south to leave the property before its western boundary.

A 103 foot diamond drill hole was put down in 1980 at 00+ 135 ft S to test the four channel anomaly there. Calcopyrite and gold values were evident.

Grab samples from the tuff areas on lines 12E and 12W both indicated gold 0.003 oz/Ton. Since these have never been opened up by blasting, there may be much higher values present as at Hemlo.

We have noted that in his "Recommendations to Prospectors", Lovell (2.) states that the gold-bearing brown and green carbonate rocks are not confined to the "Larder Lake fault" area, and suggests that these should be looked at.

These carbonates were located in several places along the NG pipeline, claim L532920 and north of HEPC line, claim L532919. Gold values of 0.005 oz/T were obtained from grab samples at both places.

Conclusions and Recommendations

With the encouraging results obtained by prospectors at Hemlo we feel it expedient to continue work on the iron formations by opening up larger areas, particularly west of Highway #11.

Since the carbonate was uncovered in this survey, it has had only cursory examination. The area on claim 532919 is well onto the property and worth investigating.

Certificate.

I, James David Reed, residing in the Township of Grenfell, Ontario, and having a mailing address of R.R. 2, Swastika, Ontario, P0K 1T0, do hereby certify that I have personally accumulated and set forth the facts in the accompanying report and map, and that the information is true.

My background profile is on record at the ministry office in Toronto as I filed two reports titled, "Spectrometer Radiometric Survey, Reed Claim Group A; Eby Township, Aug. 31, 1982." and Group B the same date.

Date: Feb 4, 1984

James David Reed

James David Reed, B.A., B.Ed.

References.

1. Cooke, H.C.
1922, Kenogami, Round Lake and Larder Lake Areas, Timiskaming District, Ontario; Geol. Survey, Canada. Memoir 131, Page 4.

2. Lovell, H.L.
1972, Geology of the Eby and Otto Area, District of Timiskaming, Ontario; Dept. of Mines, and Northern Affairs; Geology Report 99; Page 16.

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Your File: 55
Our File: 2.6419

1984 02 01

Mr. George J. Koleszar
Mining Recorder
Ministry of Natural Resources
4 Government Road East
P.O. Box 984
Kirkland Lake, Ontario
P2N 1A2

Dear Sir:

We have received reports and maps for a Geological survey submitted under Special Provisions (credit for Performance a and Coverage) on mining claims L 532919 et al in the Township of Eby.

Thismmaterial will be examined and assessed and a statement of assessment work credits will be issued.

Yours very truly,

J.R. Morton
Acting Director
Land Management Branch

Whitney Block
Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1380

A. Barr:dg

cc: James David Reed
R.R. #2, Site #3
Swastika, Ontario
P0K 1T0

Lands Management Branch

#55

Ministry of Natural Resources
Ontario

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

The Mining Act 2.6419

(Feb L532919)

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.

Type of Survey(s)	Township or Area
Geological	Eby Twp.

Claim Holder(s)	Prospector's Licence No.
James David Reed	K18971

Address: RR2 Site 3 Swastika, Ont P0K1T0

Survey Company	Date of Survey (from & to)	Total Miles of line Cut
Self	Day 16 Mo. 12 Yr. 83 / Day 4 Mo. 2 Yr. 84	

Name and Address of Author (of Geo-Technical report): James David Reed

Credits Requested per Each Claim in Columns at right

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

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	532919				
	532920				
	532921				
	540992				
	540993				

RECEIVED
FEB 15 1984
MINING LANDS BRANCH

Total number of mining claims covered by this report of work: 5

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.

For Office Use Only		
Total Days Cr. Recorded: 100	Date Recorded: FEB 15 1984	Mining Recorder:
	Date Approved as Recorded: 84.6.17	Branch Director:

Date	Recorded Holder or Agent (Signature)
Feb 5 1984	James D Reed

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: James David Reed, RR2 Site 3 Swastika Ont P0K1T0

Date Certified	Certified by (Signature)
FEB 1984	James D Reed

Ministry of Natural Resources
Ontario

Geotechnical Report Approval

File 2.6419

Mining Lands Comments

-okay-

☐ To: Geophysics

Comments

☐ Approved ☐ Wish to see again with corrections	Date	Signature

☑ To: Geology - Expenditures Mr. C. Kustra.

Comments

☒ Approved ☐ Wish to see again with corrections	Date April 24/84	Signature C Kustra

☐ To: Geochemistry

Comments

L.I.D

☐ Approved ☐ Wish to see again with corrections	Date	Signature

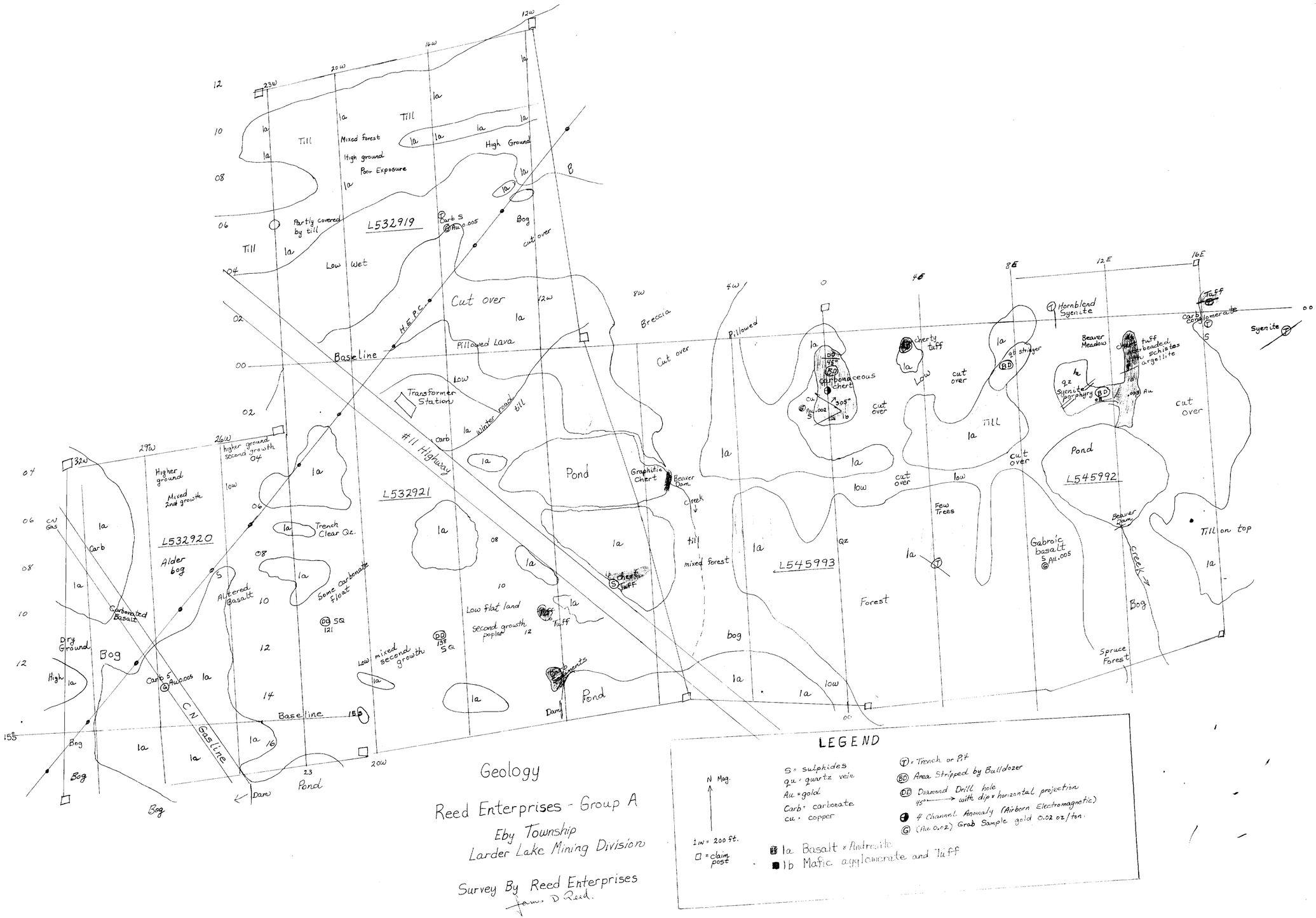
☐ To: Mining Lands Section, Room 6462, Whitney Block. (Tel: 5-1380)

1693 (81/10)

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9.6419

532919	✓					
20	✓					
21	✓					
545992	✓					
93	✓					
2.						



Geology

Reed Enterprises - Group A

Eby Township
Larder Lake Mining Division

Survey By Reed Enterprises
Jam. D Reed.

LEGEND

N Mag.

1 IN = 200 ft.

□ = claim post

S = sulphides
qz = quartz vein
Au = gold
Carb = carbonate
cu = copper

(T) = Trench or Pit
(BD) Area Stripped by Bulldozer
(DD) Diamond Drill hole
45° → with dip & horizontal projection
4 Channel Anomaly (Airborn Electromagnetic)
(G) (Au 0.02) Grab Sample gold 0.02 oz/ton.

1a Basalt & Andesite
1b Mafic agglomerate and Tuff

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