

63.4142

November 12, 1982



Mr. F.W. Pooley
OMEPA Administrator
Mineral Resources Group
Mining Taxation & OMEPA Office
Room 4649, Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3

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Dear Mr. Pooley:

During the period August 5, 6, and 7th, 1982 a preliminary reconnaissance VLF survey was conducted over a portion of claims Nos. 31116, 31117 and 473385.

A base line was established in an east west direction over the No. 1 pit for 1000 feet with cross lines every 100 feet for 250 feet north and 250 feet south of the base line.

Readings were taken over these lines at 50 foot intervals.

A base line was also established over the three pits on claim No. 473385 in an east west direction and a cross line established directly over the pits for 150 feet north and 150 feet south and readings taken at 50 foot intervals over these lines.

The results of the survey established two conductors on claim No. 31116 two conductors on claim No. 31117 and a conductor over the pits on claim No. 473385.

This recon survey was conducted by Mr. Henry Levac of Val Caron, Ontario and his son Jim Levac.

I received from Mr. Levac a map indicating the locations of the conductors and readings obtained by him at the different stations. As this was only a recon survey over a small area I never received a written report on this survey.

I paid to have the lines cut and I paid Mr. Levac \$350.00 for conducting this survey, which I consider quite reasonable.

Mr. F.W. Pooley

The reason I mention this VLF survey is that I reported it in my progress report to you of August 25, 1982 but will not be enclosing it with the rest of my data as OMEP instructions re submission of reports re geophysical survey require a written report and map and as I have no report I am not claiming for the expense of the line-cutting or of the VLF reconn survey.

Yours truly,



Martin L. Burton

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Pit #1

Located on claim No. 31116

See map for exact location.

The stripping and trenching on the No. 1 pit was done in a North South direction 35 feet long 3 feet wide and approximately 2 1/2 feet in depth .

Massive to light mineralization was uncovered in this zone.

Five grab samples taken across this zone assayed .22, .52, .08, .60, .56 ounces gold.

The work on this zone commenced on June 28, 1982 and was completed June 30, 1982

Work was done by Martin L. Burton, 352 Howey Drive Sudbury, Ontario, and Michael Burton, 348 Howey Drive Sudbury, Ontario.

Equipment used was chain saw, axes, picks, shovels and bars, caps, fuses and dynamite.

Pit #2

Located on claim No. 31116

See map for exact location.

Stripping and trenching was done in a North South direction 20 feet long 3 1/2 feet wide and in places 4 feet in depth uncovered a mineralized zone of massive and light mineralization.

Five grab samples taken from this zone assayed .06, .08, .76, .22, .12 ounces gold.

Work commenced on this zone July 3, 4, 1982 and continued again July 31 through August 3, 1982 inclusive. Included in this work period is also Pit 3 which is immediately along side of Pit 2 on the east and joins into Pit 2 on the south end.

Pit 3 is 20 feet long 3 1/2 wide 2 feet deep.

Assay results from 4 grab samples from this zone assayed .08, .08, .42, .18 ounces gold.

Work was done by Martin L. Burton, 352 Howey Drive Sudbury, Ontario and Michael Burton 348 Howey Drive Sudbury, Ontario.

Pit #4

Located on claim No. 3III7

See map for exact location.

Stripping and trenching on Pit 4 was done in an east west direction over an area of 12'X3'X6".

Two grab samples from this zone assayed

.20, .15, ounces gold.

Work was in progress on this zone August 4 and 5, 1982.

Work was done by Martin L. Burton 352 Howey Drive Sudbury, Ontario and Michael Burton, 348 Howey Drive Sudbury, Ontario.

Pit #5

Located on claim No. 3III7

See map for exact location.

Stripping and trenching over an area of 15'X3'X11' in a north south direction uncovered a shear zone with light and disseminated mineralization striking in an east west direction and dipping steeply to the north.

Three grab samples across this shearing assayed

.04, .06, .08, ounces gold.

Work was in progress on this zone August 6 and 7th 1982.

Work was done by Martin L. Burton, 352 Howey Drive Sudbury, Ontario and Michael Burton 348 Howey Drive Sudbury, Ontario.

Pit #6

Located on claim No. 3III7

See map for exact location.

Stripping and trenching on pit 6 took place on the side of a hill in a north south direction and the shear zone was exposed over an area of 20 feet in width and 5 feet in height.

Three grab samples from this zone assayed

.04, .06, .05, ounces gold.

Pit #6 continued

Work was in progress on this pit August 27 and 28th, 1982.

Work was done by Martin L. Burton, 352 Howey Drive, Sudbury, Ontario and Michael Burton 348 Howey Drive, Sudbury, Ontario.

Pit #7

Located on claim No. 3I226

See map for exact location.

Stripping and trenching in a north south direction over an area of 8'X3'XI' encountered a lightly mineralized diorite.

Two grab samples from this area assayed .04 and trace ounces gold.

Work was in progress on this area Sept. 17 and 19th, 1982.

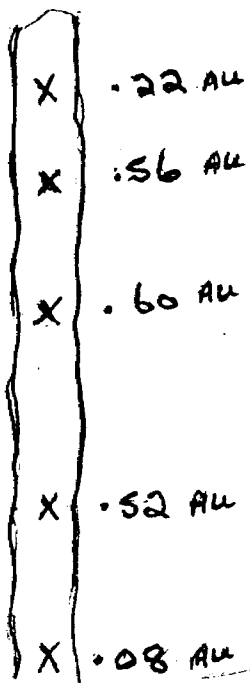
Work was done by Martin L. Burton, 352 Howey Drive, Sudbury, Ontario and Michael Burton 348 Howey Drive, Sudbury, Ontario.



Martin L. Burton
352 Howey Drive
Sudbury, Ontario
P3B IE8

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Pit # 1.

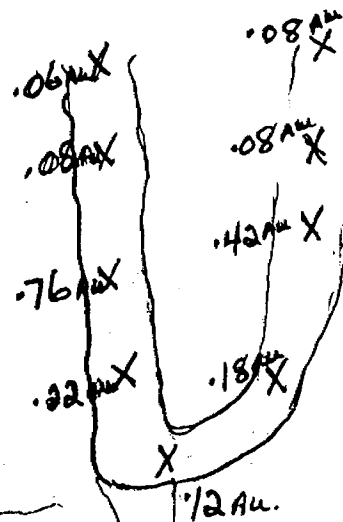


MAGNETIC

S. 31116.

Pit # 2.

Pit # 3.



350 ft west to corner post

CLAIM LINE

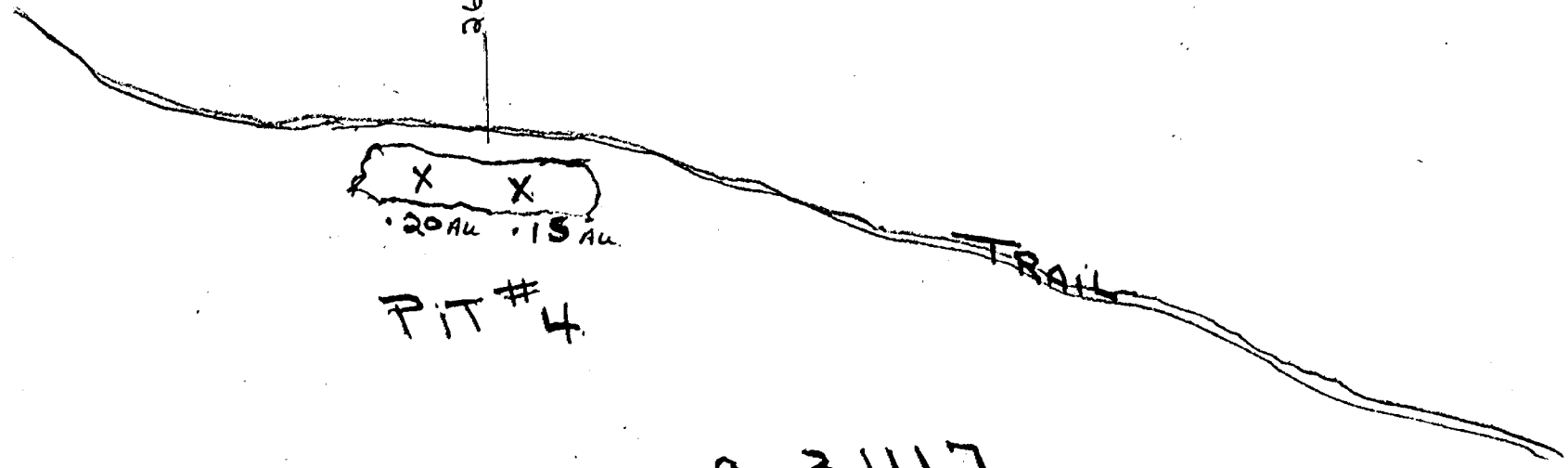
X ¹/₂ inch sample Taken

Scale 1" = 10' ft.

S. 31117

265' N To claim line →

22
MAGNETIC



X 2 Grab sample
Taken

S-31117

Scale 1" = 10' feet.

~~N~~
MAGNETIC

100' FT N TO TRAIL

PIT # 6.

160' East
to center line

.04 Au

.06 Au

.05 Au

PIT # 5

S. 31117

X *min* .06 Au
X *min* .03 Au
X *min* .04 Au

X *min* Sample taken

min Shear zone

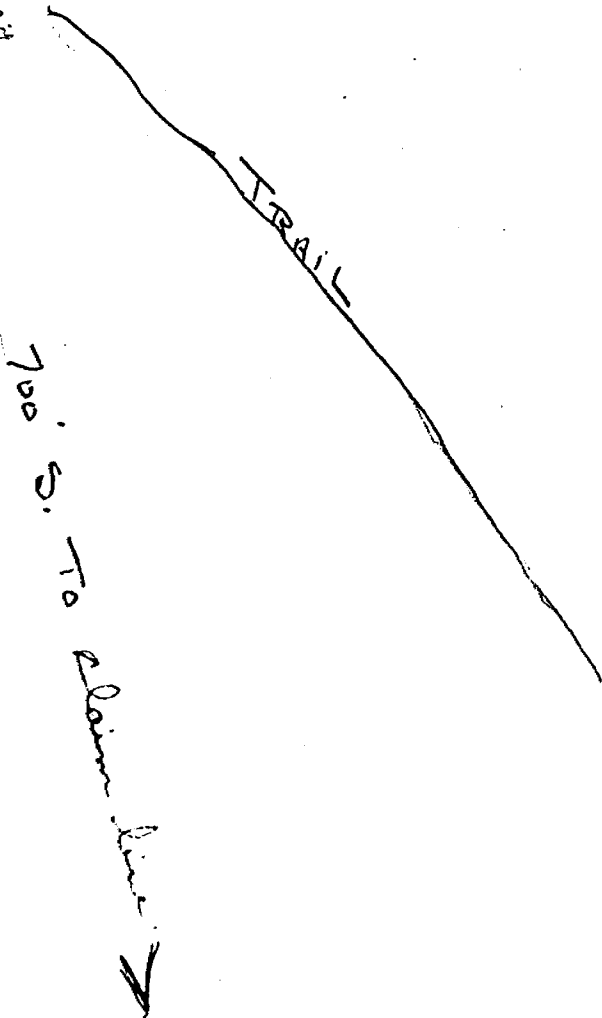
Scale 1" = 10' ft.

PIT # 7

MAGNETIC

110' west to claim line

S-31226



X^u Grab sample
Taken

Scale 1" = 10' ft.

November 8, 1982

The work performed to date on these claims has established

- (I) All gold ore or gold occurrences found to date has been located in the diorite.
- (2) A through going slightly north of west gold bearing shear zone from a few inches to 20 feet in width crosses these claims with the definite likely-hood of parallel or subsidiary gold bearing shear zones or gold veins.
- (3) These claims should have more work like:
 - (I) Being thoroughly mapped geologically to establish the diorite position.
 - (2) Geochemical survey around pits opened to date and swamp covered areas in between.
 - (3) Mag and EM surveys to better establish contacts under overburden and to pick up any mineralized zones also covered by overburden.
 - (4) Diamond Drilling to drill under pits and trenches opened to date and to drill any conductors located by the geochemical, mag and EM surveys which should warrant drilling.

Yours truly,


Martin L. Burton

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November 8, 1982

Herewith enclosed is a map and report of area traversed by me during the period May 30, 31 June 7 through June 12th, 1982 inclusive while prospecting on claim Nos. 31116, 31117, 31226, 31227, 473385. The above numbered claims are located in the North-East corner of Esther Township Porcupine Mining Division and are in the name of Martin and Archie Burton.

The accompanying map covering this area is mapped on a scale of 1" = 200'.

A large area of these claims is covered by muskeg and cedar swamps making travel difficult and rock sampling almost impossible. The higher forest covered areas are made up mostly of pine, poplar and spruce trees and overburden is not overly deep and rock samples can be collected quite easily in most places.

The claims are underlain by volcanics and some sediments which are intruded by bosses of quartz diorite, diorite etc.

The rocks encountered and mapped were quartz diorite, diorite, gabbro, dacite lava and conglomerate.

The general geology is shown on Ontario Dept. of Mines Map No. 44g, Opeepeesway Lake Area.

A prominent feature of this property uncovered by trenching and stripping is a long definite and probably continuous shear zone with gold values that crosses this property. It strikes slightly North of West and dips steeply to the North. It is from a few inches to 20 feet in width and contains mineralization consisting of quartz, pyrite, pyrrhotite and arsenopyrite. The shearing is in a quartz diorite near the contact of the diorite and fine grey lavas on the south.

The geological structure is in general similar to that of Jerome Gold Mines Ltd., 6 miles to the east. It lies directly on the strike of the Jerome Mine vein and is therefore still more closely related to this structure. These claims are situated in an especially favourable belt.

This opinion is shared with H.C. Laird, who, reporting on the area in 1935 for the Ontario Dept. of Mines, said- "Geological experience in the great gold belts of Ontario and Quebec has shown that elongated belts of structurally disturbed Keewatin greenstone, with infolded Timiskamian sediments and Algonian intrusives, are the most favourable areas in which to search for gold deposits. In general the Opepeesway Lake Area possesses these geological conditions".

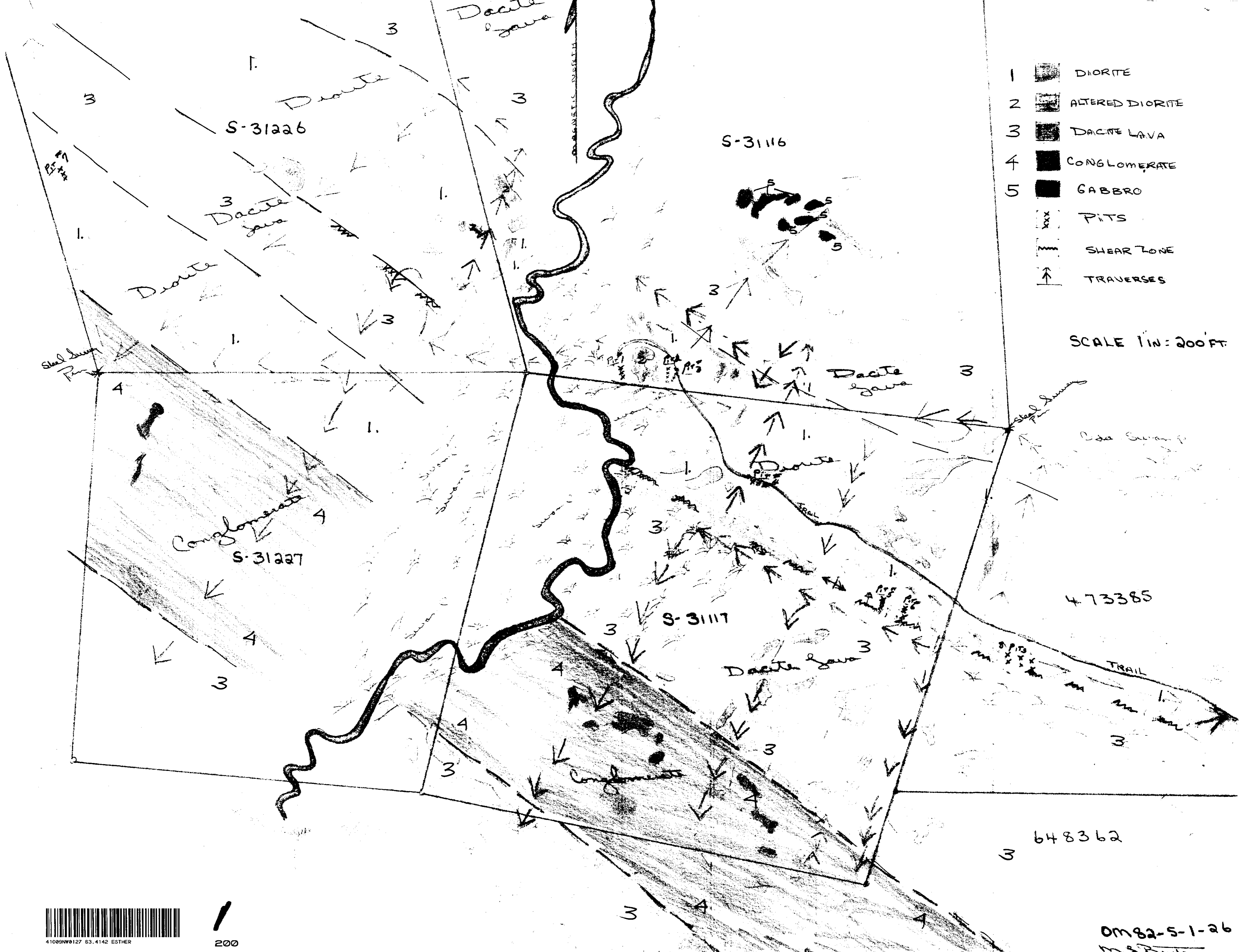
Laird, H.C. - Geology of the Opepeesway Lake Area, Ontario Dept. of Mines, Vol. XLIV, Part VII, 1935.

Therefore, considering the known gold bearing shear zone and the definite likelihood of parallel or subsidiary gold bearing shear zones or gold veins which may exist in this favourable geological condition these claims are certainly worthy of further exploration.

Yours truly,


Martin L. Burton.

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- 1 [Stippled Box] DIORITE
- 2 [Cross-hatched Box] ALTERED DIORITE
- 3 [Dotted Box] DACITE LAVA
- 4 [Diagonal Hatched Box] CONGLOMERATE
- 5 [Solid Black Box] GABBRO
- [Cross-hatched Box] PITS
- [Wavy Line] SHEAR ZONE
- [Arrow] TRAVERSES

SCALE 1" = 200 FT



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