



42E12NE0169 63.5835 VINCENT

Technical Report  
Final Submission  
OP90-247-248-249-250

This report covers the work done on our Vincent Township claims and are referred within as the Maki property and/or the Maki occurrences.

The stripping and trenching done by the 450 Timberjack Skidder and Backhoe proved very successful as the work proved up our beliefs of continuity in most areas. In general overburden was not too deep but in most areas the backhoe had to be used to expose the bedrock. Considerable hand cleaning and grubbing of all areas was done as well as hose washing with a forestry pump and hoses sometimes up to six hundred feet in length.

Sampling was done by breaking the rock by hand and then pulverized with an impact crusher and panned on the spot. We also took samples back to camp, run them through a 1/2" jaw crusher then the impact crusher and finally panned. The resulting tail or no was noted. The Moosehorn and Discovery area veins where galena and chalco was present in the quartz was unresponsive to panning as the gold could be locked in the sulphides. However, a fire assay, etc. did good results in the lab. (See enclosed sheets).

Prospecting including panning of vein material was done ahead of the skidder in a flanking method to minimize the machine stripping.

The Skidder Trench-Byron's vein area was gone over again to insure no veins were overlooked west of the skidder trench. A previously reported quartz vein proved to be mostly blocky bull quartz and follow up did not enhance the showing.

The Beaver Pond area was well worked over by machine stripping and prospecting but no continuation of the beaver pond showing of iron stained quartz with VG was found.

An easterly strike of the Moosefind was found by machine stripping but proved up as a narrow iron stained quartz vein with minor galena. Panning did not show any gold.

John Masons (ODM Geologist) visit to the property (report enclosed) covers the geology of our occurrences namely the Moosehorn, KM vein, Line 20, and the Line 11 vein. Work on the Discovery, Big Pit and Key claim areas was done after John Masons visit. Stripping of the Discovery vein and its continuation east showed continuation of the vein up to 400 feet east in a stock work of galena, chalco bearing veinlets in iron stained quartz which was a table top sort of situation where sampling could not be done until it was blasted into. (Slated for next summer.)

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The Birds Nest showing is a system of sulphide bearing rusty quartz in volcanic flow with a complex strike pattern. In places heavy chalco and malachite are present in the rusty quartz. Panning did not show any gold, which could be locked in the sulphides.

Line 11 showed a good east-west extension of the vein system (banded iron formation with rusty quartz inclusions carrying magnetite and pyrite) from the original showing. Two areas were stripped on this vein. Samples were taken crushed and panned and on the whole showed only a faint tail, although an assay of gold was quite reasonable (see sheet enclosed). Additional work of blasting, sampling and possible drilling is contemplated for next summer.

Line 15 appears to be a local flow-top of occurrence and needs to be blown into. Samples from the one old pit of crumbly quartz-shearing has always panned well. We are linking this showing with the boundary showing approximately 200 metres south west of the Line 15 showing. Stripping showed this zone to plunge easterly. Additional work is planned here as bits of quartz and shearing showed a few specks of gold in panning.

The main showing and continuation on the Key claim was stripped wide and better access was made which should enable us to continue blasting and sorting to evaluate the possibility of a small scale mining venture. We were not able to do much work in this area but did do clean-up and sorting during the stripping back-hoeing. Our time schedule at this time was limited as the machine had to be out by the 15th of September.

Granges Inc. geologist visited the property and seemed to be interested as they got some good numbers also. Correspondence before Christmas from Granges advised no option agreement could be made at this time. Enclosed find assay sheet.

In conclusion the CPAP funding and program was a big help in assessing our property. In the next few months a decision as to what our work program for this summer on our property will be made.

Thanks to OPAP for the funding to make our program possible and successful.

On behalf of the Maki Property owners, I remain,

Respectfully,



Neil R. Maki

## Maki Occurrences

The Maki occurrences are located in the northern half of Vincent Township. The property is accessible by travelling the highway east of the Windigokan Lake access road to the township boundary road between McComber and Vincent Townships and the south to Norman Lake. After crossing Norman Lake by boat a system of old logging roads, grid lines and claim lines access approximately 30 gold occurrences and prospects on the Maki claim block. N. Maki, A. Maki, M. Maki, S. Moore and B. Cousineau are the property owners. Work in 1990 which was largely funded by OPAP, consisted of power stripping, trenching, sampling and mapping. This summary will focus on newly discovered gold occurrences located in the western portion of the claim block.

The earliest recorded work was performed near the current south boundary of the Maki block in the township by "Pegleg" Westman and (1928) consisted of trenching and sampling. The Hilo Gold Syndicate (1937) and Longworth Group conducted trenching in the central portion of the claim block. Dougall Gold Mines (1947) diamond drilled veins and iron formation targets mainly near what is presently called Sandra's Pit. Dougall acquired most of their claims from Sandenise Gold Mines. Sogemines Development Company Limited (1959) and Hanson Mines (1971-1974) performed diamond drilling. The current owner staked the property in 1977. Four companies have held options from 1981 to present: (1) Pancontinental Mining (Canada) Limited (1981, 1982) - linecutting, sampling, geology; (2) Eldor Resources Limited (1983) - linecutting, geophysics, geology, sampling, drilling; and (3) Noranda Exploration Company Ltd. (1987, 1988) - geophysics, geology, drilling, sampling.

The Maki occurrences are hosted in the Southern Metavolcanic sub-belt, the southern-most unit of the Wabigoon Subprovince. Basalt and mafic to intermediate tuffs, minor mafic and felsic intrusions along with chemical and minor associated interflow metasediments occur in the belt. Foliation is 070° to 095°. Rocks are metamorphosed to greenschist and amphibolite facies.

Work in 1990 was concentrated mainly in the central and western portion of the claim block on the following gold occurrences:

- (1) Moosehorn, L (Line) 20 West and L (Line) 20 Extension occurrence
- (2) KM vein and IF occurrence
- (3) L (Line) 11 occurrence.

(1) The Moosehorn vein is a discontinuous folded quartz (carbonate) vein that cuts across and is hosted in massive mafic flow rocks. Foliation is 080° and plunge of fold axes is 50° to 60° to the west. Interflow metasediment occur locally. The folding event appears to have been responsible for a strong shear event in the Moosehorn area and <20 West, which may be a parallel quartz (carbonate) vein. In L20 West foliation of the metavolcanics is 075° and plunge if the fold axes is 45° to the west. Both veins are up to 0.6 m wide and host galena, chalcopyrite, pyrite and gold mineralization. Sequence of events is as follows: (a) volcanism; (b) regional deformation; (c) quartz veins and gold mineralization and (d) folding/shearing event. The L20 Extension is up to 1.5 m wide and contains up to 2 percent chalcopyrite and pyrite.

(2) The KM vein and IF occurrence is located on the southwestern portion of the claim block on L18 (1 + 60 S) and consists of a banded magnetite (recrystallized)-chert-grunerite iron formation. The occurrence has been exposed for over 100 m and is up to 2.1 m wide. The KM vein is a quartz (carbonate) vein conformable with iron formation on the south contact with the mafic metavolcanics. The iron formation is east-trending and dips 60°-72° to the south. Minor pyrite and pyrrhotite occur.

(3) The L11 occurrence consists of a quartz vein system crosscutting an easterly trending banded magnetite-chert-grunerite iron formation. Sogemines Development Company Limited had previously obtained assays of 0.24 ounce Au per ton over a 3 m width (N. Maki, Prospector, personal communication, 1990) composed volumetrically of approximately 40% quartz and 60% sheared mafic metavolcanics. The L11 occurrence is 170 m long, strikes 090° and dips 55° to 65° to the south.

Following are assay results from grab samples from the 3 occurrences (Resident Geologist's Files, Ministry of Northern Development and Mines, Thunder Bay):

(1) Moosehorn, L20 West and L20 Extension Occurrence

<u>Sample No.</u>	<u>Description</u>	<u>Au (ounce per ton)</u>
90-MNM-7	L-20: Arsenopyrite in sheared mafic metavolcanic	0.017
90-MNM-8	L-20: Quartz vein - galena	0.443
90-MNM-9	L-20: Quartz vein	0.044
90-MNM-10	L-20 Extension: quartz, chalcopyrite	nil
90-MNM-11	L-20 Extension: quartz, chalcopyrite, pyrite	nil
90-MNM-12	L-20 Extension: quartz, sheared mafic metavolcanics	nil
90-MNM-15	L-20 Moosehorn Area: interflows metasediments	nil
90-MNM-16	Moosehorn: quartz	0.961

(2) KM Vein and IF Occurrence

<u>Sample No.</u>	<u>Description</u>	<u>Au (ounce per ton)</u>
90-MNM-3	KM: 1 + 80 S	0.545
90-MNM-4	KM Vein + IF	0.008
90-MNM-5	KM Vein + IF	0.002
90-MNM-6	KM: West End	trace

(3) L11 Occurrence

<u>Sample No.</u>	<u>Au (ounce per ton)</u>
90-MNM-2	0.162

October 1, 1990

Neil Maki  
R. R. #14  
3rd Conc. Road  
Thunder Bay, Ontario  
P7B 5E5

Dear Neil:

The following are gold assay results nineteen samples that John Mason collected from your Vincent Township property on August 29.

<u>Sample No.</u>	<u>Au (oz/ton)</u>
90-MNM-1 (C2)	nil
90-MNM-2 (L11)	0.162
90-MNM-3 (KM-1+80S)	0.545
90-MNM-4 (KM Vein-IF)	0.008
90-MNM-5 (KM Vein - Adj. to B. I. F. )	0.002
90-MNM-6 (KM-West End)	trace
90-MNM-7 (L20-Sheared Volc. )	0.017
90-MNM-8 (L20: Qtz. Vein-Galena)	0.443
90-MNM-9 (L20-Qtz. Vein)	0.044

<u>Sample No.</u>	<u>Au (oz/ton)</u>
90-MNM-10 (L20 Ext.)	nil
90-MNM-11 (L20 Ext.: Qtz. Vein)	nil
90-MNM-12 (L20-Shear Ext. Vein)	nil
90-MNM-13 (New Vein-Near Pancon Trench)	nil
90-MNM-14 (Birds Nest)	0.006
90-MNM-15 (Moosehorn Area- Interflow Sediments)	nil
90-MNM-16 (Moosehorn)	0.961
90-MNM-17 (Byron's Vein- East End)	0.006
90-MNM-18 (Byron's-Centre)	0.004
90-MNM-19 (Byron's Vein- W. Centre)	0.024

GRANGES

SAMPLES TAKEN FOR ANALYSIS (\*)

(\*) All samples analysed by instrumental neutron activation. Amount irradiated: 30 grams for each sample. Laboratory: TSL Laboratories, Timmins.

LAB NO	FIELD NO	Au ppb	Ag ppm	As ppm	W ppm	Zn ppm	Ni ppm	Sb ppm
28785	1	426	<5	2600	<4	1370	<50	0.9
28786	2	4050	<5	3100	<4	1140	<50	0.2
28787	3	122	<5	258	8	167	<50	<30
28788	4	12400	120	200	<4	<50	<50	32
28789	5	7050	74	180	<4	<50	<50	3.7
28790	6	618	<5	90	<4	<50	<50	0.7
28791	7	1110	41	67	<4	<50	<50	17
28792	8	25200	240	360	<4	51	<50	34
28793	9	14640	<17	83000	<16	<77	<230	-

LAB NO FIELD NO SAMPLE LOCATION, DESCRIPTION

G-28785	1	MK1 showing; Weathered sulphidized iron formation, crumbly, ("black stuff").
G-28786	2	MK1 showing; similar material as sample 1, visible arsenopyrite
G-28787	3	Line 20 extension; carbonatized schist, crumbly
G-28788	4	Line 20; quartz vein, 5% galena-chalcopyrite
G-28789	5	Line 20; quartz vein, 2% galena-chalcopyrite
G-28790	6	MK1 showing; Rusty recrystallized chert from banded IF.
G-28791	7	Moosehorn showing; quartz vein, 5% galena-chalcopyrite
G-28792	8	Moosehorn showing; quartz vein, 5% galena-chalcopyrite
G-28793	9	Sandra's Pit; Recrystallized chert with quartz vein, 10% arsenopyrite

REMARKS on analyses

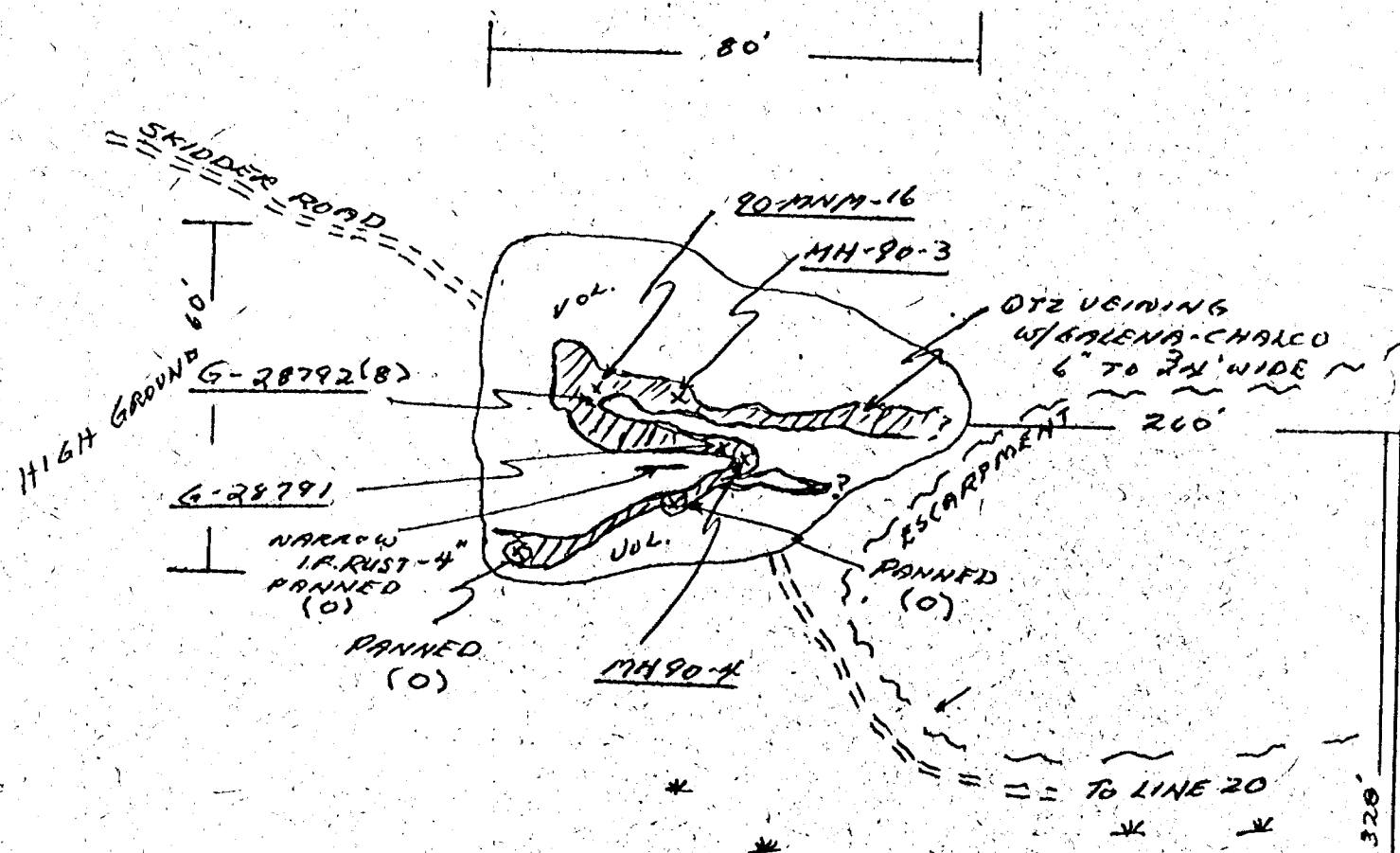
Analytical results indicate that highest gold values are from: 1) quartz veins mineralized with galena and chalcopyrite, and 2) sulphidized banded iron formation containing arsenopyrite in the presence of quartz veins (epigenetic mineralization). Altered (carbonatized) host rock contains anomalous Au (although not economic grades).

There is an association between high Au and As values. Silver values are associated with high gold values in samples containing galena.



①

# MOOSE HORN



## PANNING Scale (au)

- (0) NIL
- (1) FAINT TAIL (UNDER GLASS)
- (2) VISIBLE V.G.

90-MNM-16 } ASSAYS & LOCATION  
 G-28791

SCALE AS SHOWN

#2 POST  
 TB 619439

2

BASE LINE

100M

WHOLE AREA PROSPECTED  
MOSTLY VOLCANICS.

K M VEIN

HIGH GROUND

LINE 20

STRIPPED AREA

428788(4)  
90MNM-8

628787(3)

90MNM5  
90MNM5

90MNM4

90-MNM-3

HIGH GROUND

1+805

PANNED (2)

BANDED IF. GRANITE  
QTZ-FINE PY-CP  
2'-6' WIDE

90-MNM7  
HIGH GROUND

628789  
90MNM9

MASSIVE QTZ  
90L, CEP etc

qtz veining  
minor 90L, CEP.  
6" - 3' WIDE

90MNM10  
90-MNM11-12

PANNED (0)

PANNED (2)

STRIPPED AREA  
560' x 40'

90MNM15

C.P.

PANNED (0)

90-MNM-1

STRIPPED AREA

RUSTY QTZ-QT3 CARB  
MAGNETITE  
VEIN  
UP TO 4" WIDE

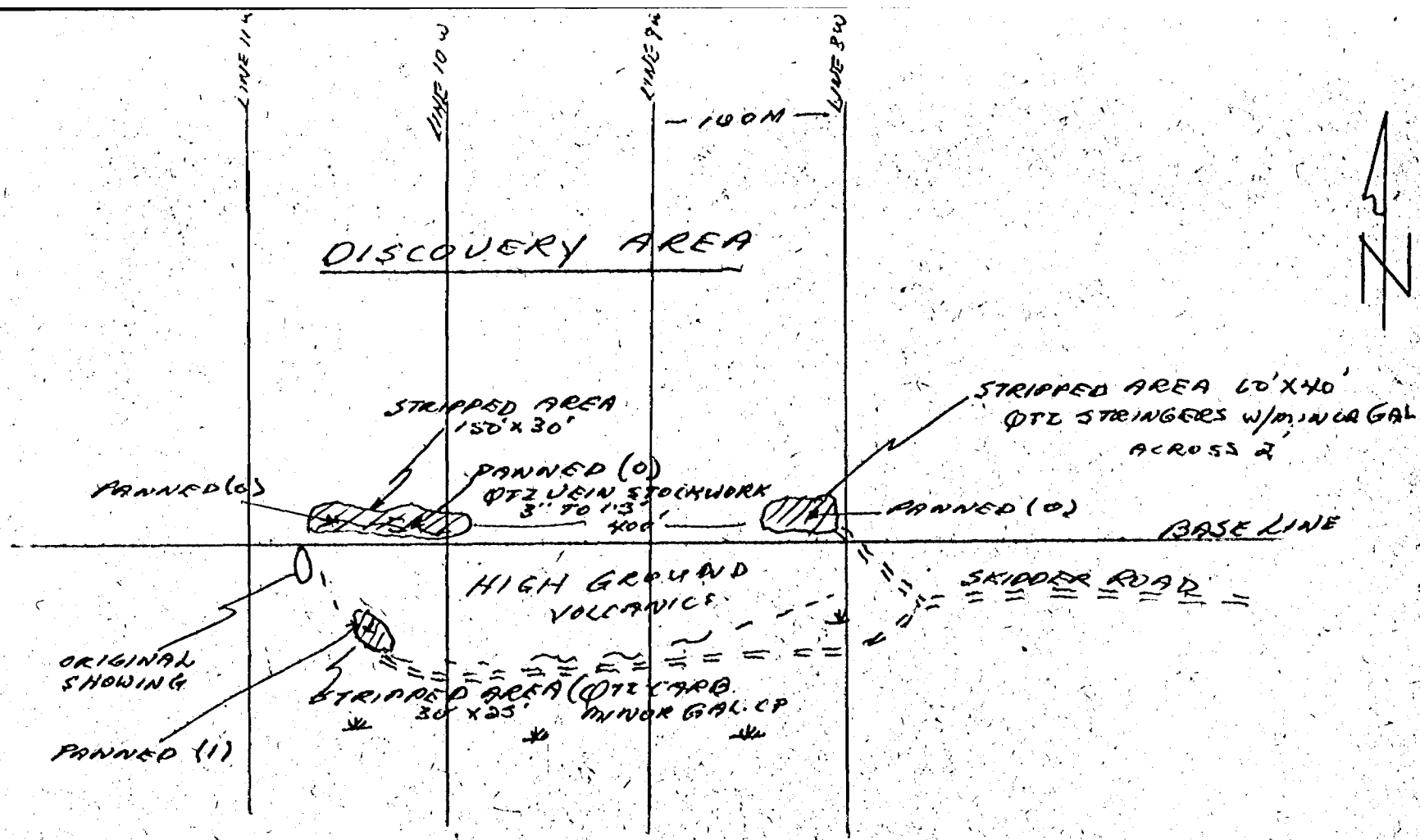
PANNING SCALE

- (0) NIL
- (1) FAINT TAIL (UNDER GLASS)
- (2) VISIBLE V.G.

90-MNM-9) ... ORIGINAL ASSAY

SCALE AS SHOWN

3



PANNING SCALE

- (0) NIL
- (1) PAINT TAIL (UNDER GLASS)
- (2) V.G. VISIBLE

SCALE AS SHOWN

4

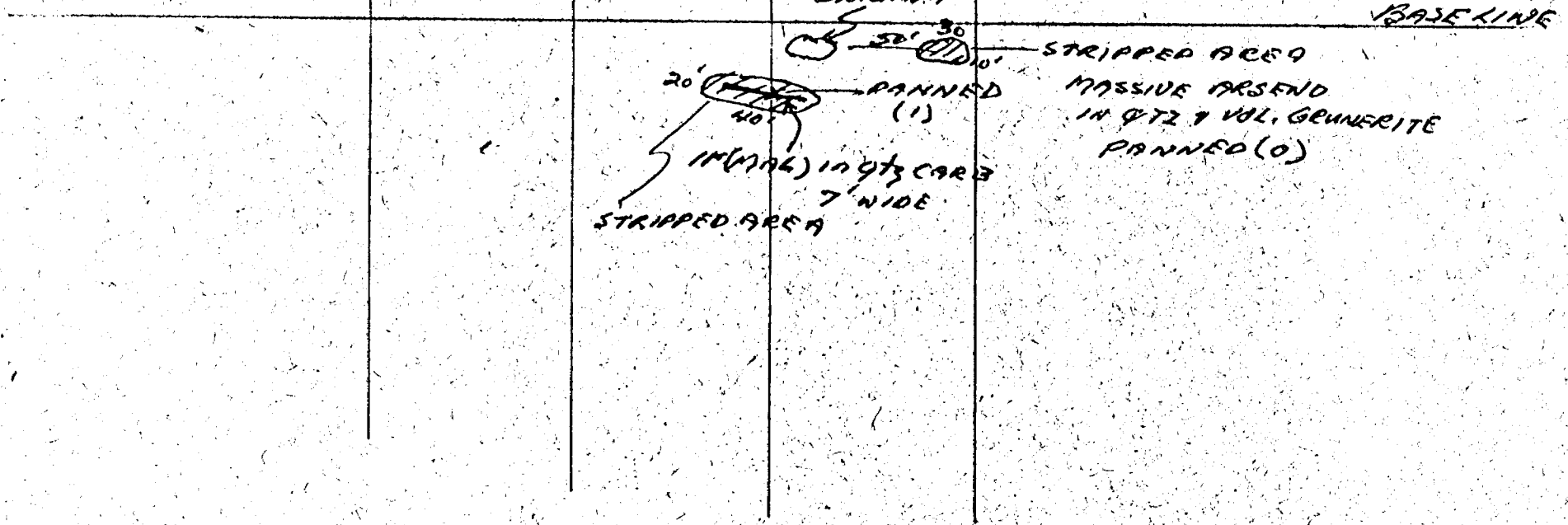
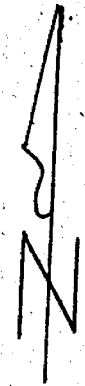
LINE SW

LINE 7W

LINE 6W

LINE 5W

- 100M -



PANNING SCALE

- (0) NIL
- (1) FAINT TAIL (UNDER GLASS)
- (2) VISIBLE V.G.

SCALE AS SHOWN

5

L-3 WEST

L-2 WEST

L-1 WEST

0700

L-1 EAST

L-2 EAST

L-3 EAST

BYRON'S VEIN

SKIDDER TRENCH AREA

BIG PIT AREA

POND AREA

STRIPPED AREA  
10'x10'  
BULL QTZ-N'WIDE

STRIPPED AREA  
120'x30'

SKIDDER TR

SKIDDER ROAD

QTZ VEIN  
GAL. PHY. CP  
1"-3" WIDE

ALONGSIDE BASELINE  
BANDS IF (MAG. QTZ)  
3" WIDE

STRIPPED AREA  
BLOCKY  
BULL QTZ  
NO VEIN

STRIPPED AREA  
30x20  
NIL

POND

STRIPPED AREA  
300x30' AD.

NARROW  
QTZ VEIN

PANNED IF (1)  
(2) Mouse find

STRIPPED AREA  
QTZ VEINING  
3"-56" IN VOLCANICS  
PANNED (0)

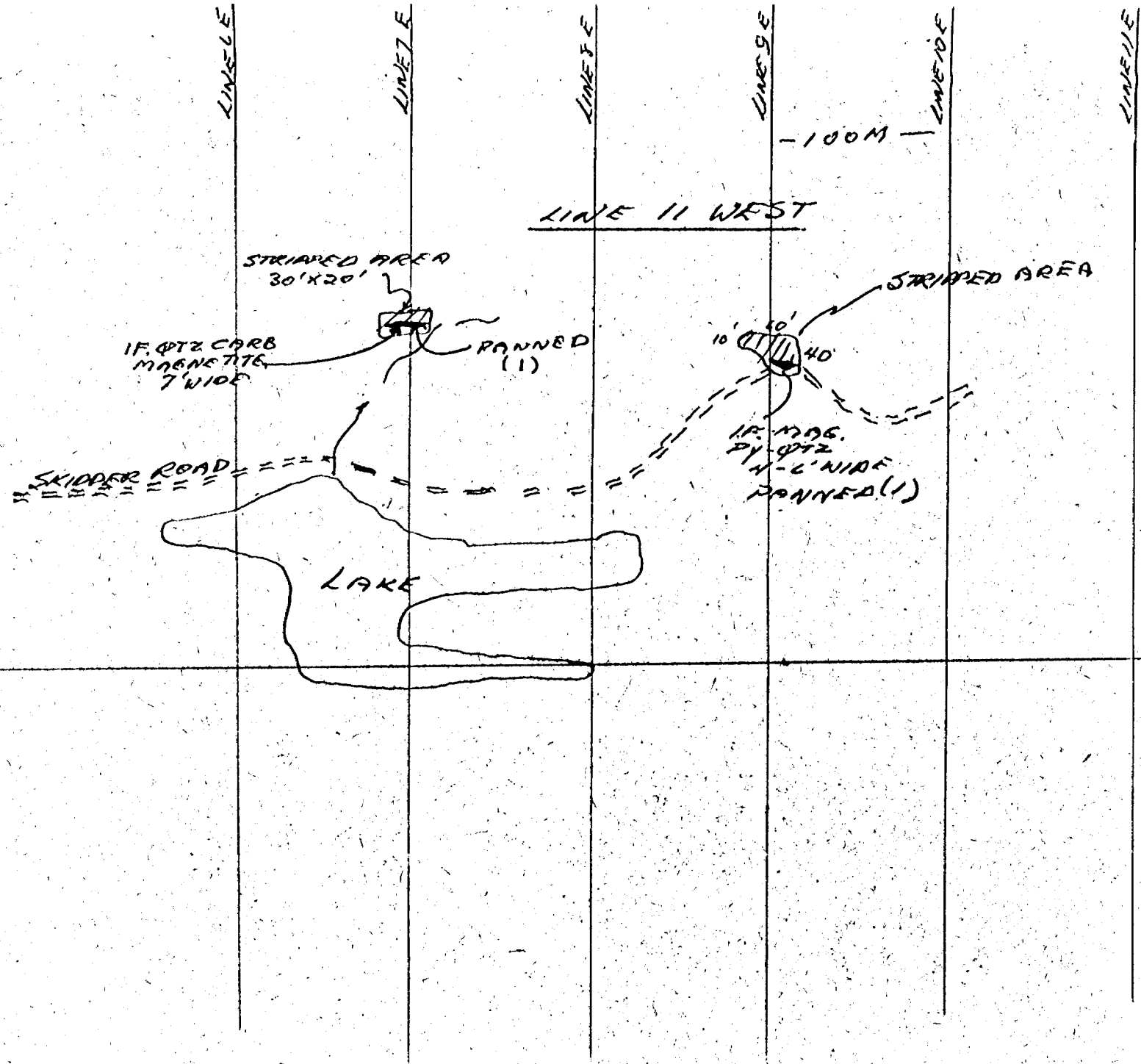
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- (0) NIL
- (1) FAINT TAIL (UNDER GLASS)
- (2) VISIBLE V.G.

SCALE - AS SHOWN



6



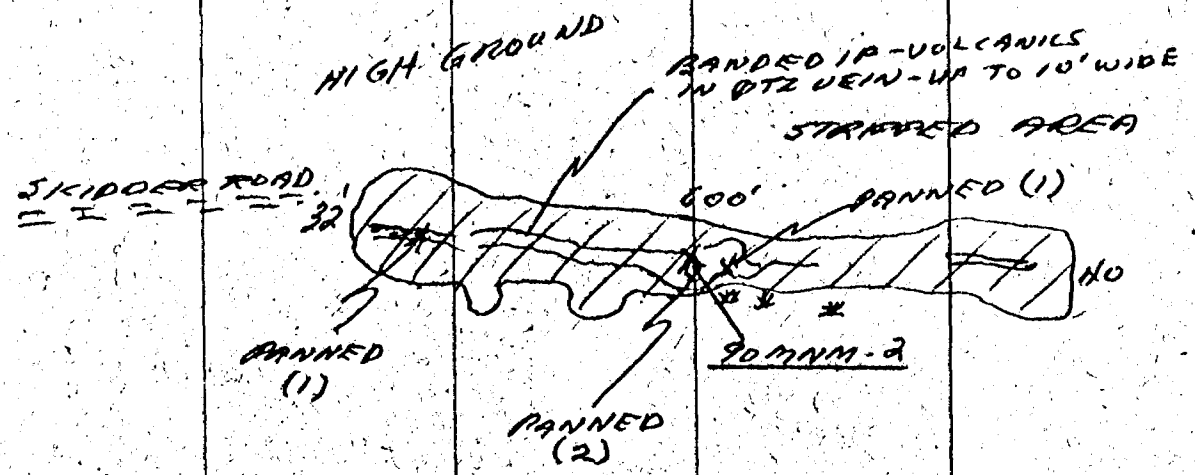
- PANNING SCALE
- (0) NIL
  - (1) FAINT TAIL (UNDER GLASS)
  - (2) VISIBLE AU.

SCALE AS SHOWN

7

1-9E  
1-10E  
1-11E

LINE 11



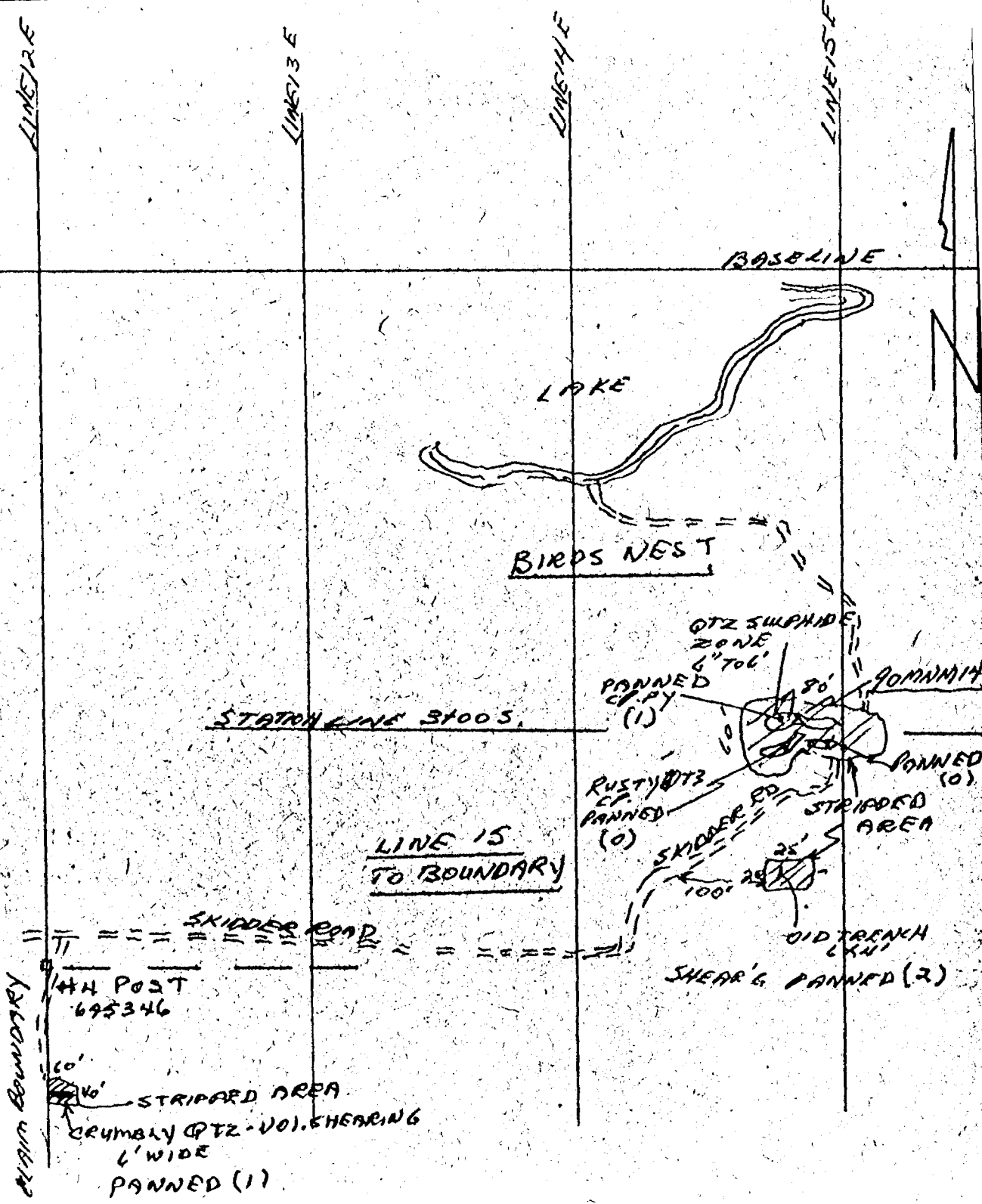
POST NO 2  
TB604197

PANNING SCALE  
 (0) NIL  
 (1) PANITAIL (UNDER GLASS)  
 (2) VISIBLE BY

SCALE - AS SHOWN

BASE LINE

8



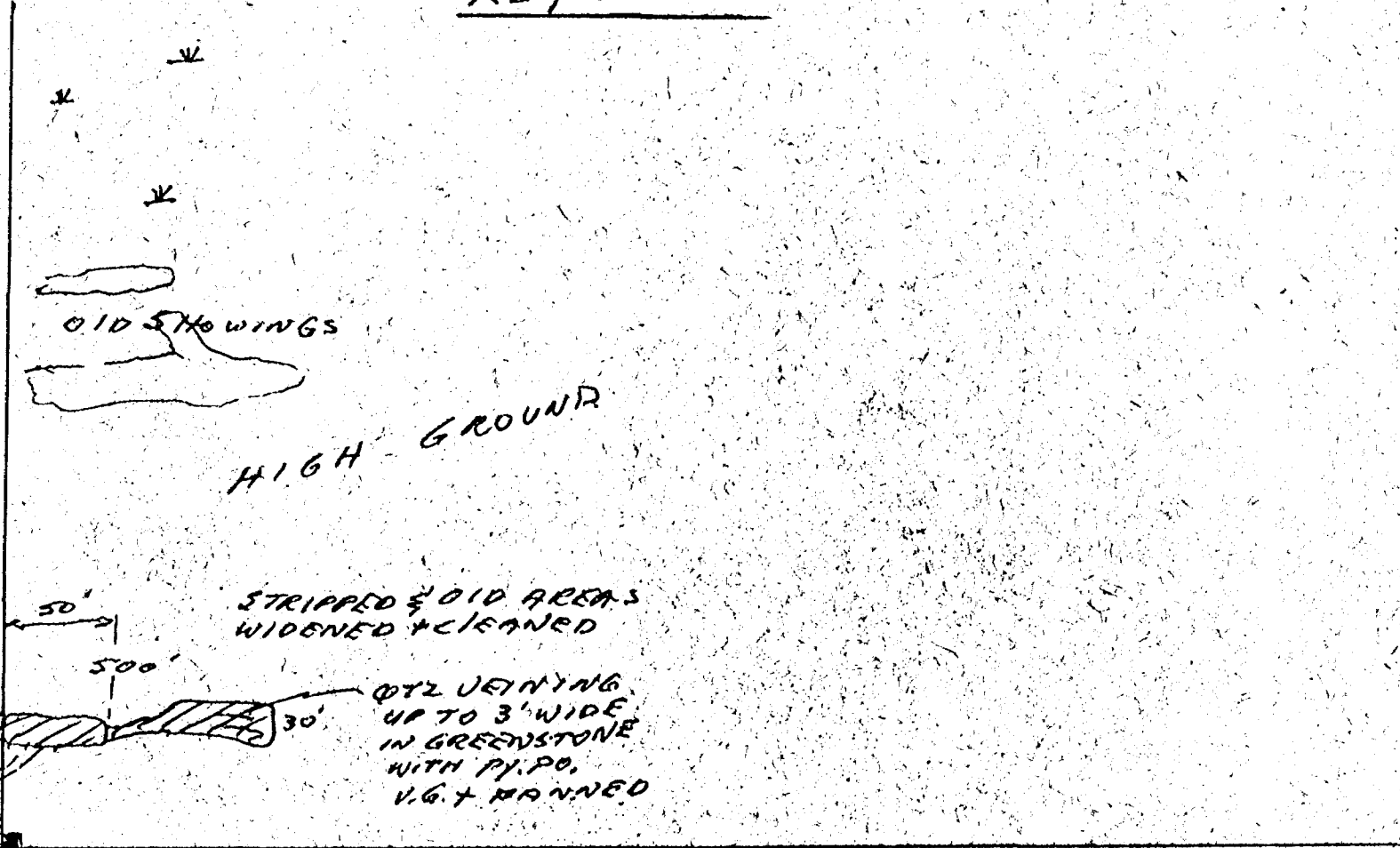
PANNING SCALE

- (0) NIL
- (1) PAINT TAIL (UNDER GLASS)
- (2) VISIBLE AU



9

KEY CLAIM



N03 POST  
T6645346



