REPORT

ON

2.21037

1999 EXPLORATION

ON THE

MUD LAKE PROPERTY

EIMHIRST TWP

Claim Map G-162

PROVINCTAL RECORDING
OFFICE - SUDBURY
OFFICE - SUDBURY
APR 0 5 2001

A.M.
7 | 8 | 9 | 10 | 1 | 12 | 1 | 2 | 3 | 4 | 5 | 6

NTS 42E /13 SE

Lot, 490 46 Long. 87° 30'

By: F Houghton Front Houghton

Jan, 2001

APR 0 5 2001

42E13SE2015 2.21037

ELMHIRST

010

## WORKERS

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P.O. Box #164

Beardmore, Ont

POT 160

LIC, # E 29577 CLN 146058

P. Houghton Lie = 32853
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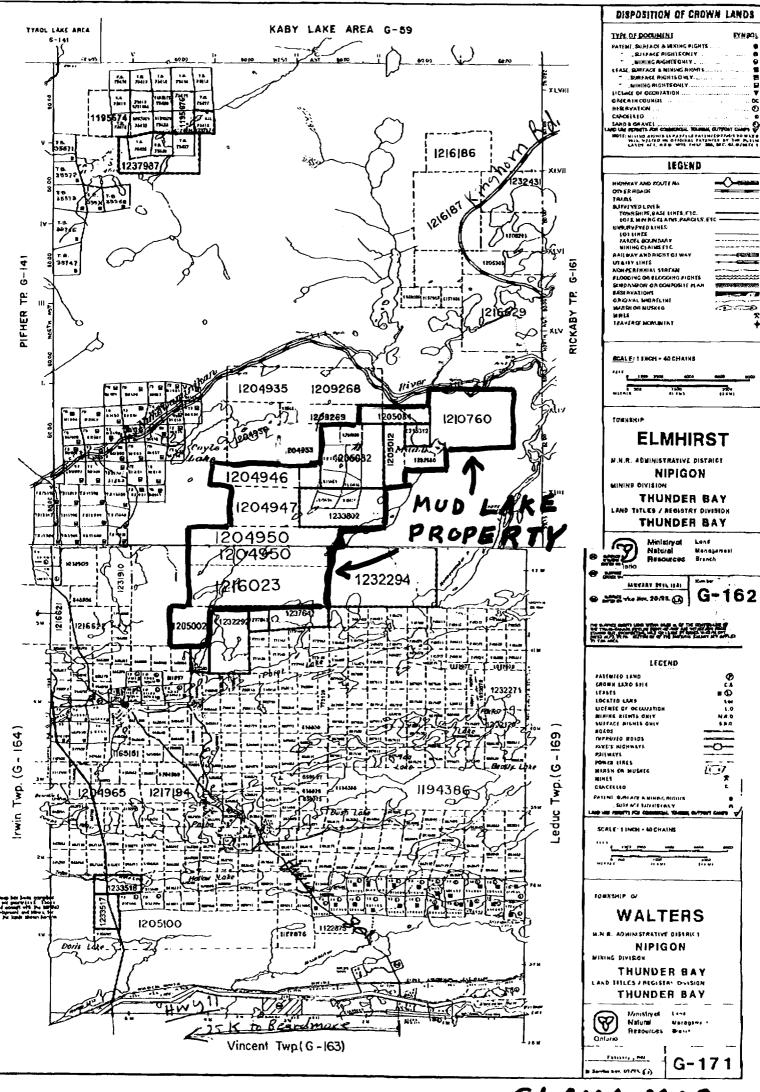
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Beard more, Out

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(VLF + Magnetometer surveys only)



CLAIM MAP (Also LOCATION MAP)

2 . 2 . 0 . 5

#### INTRODUCTION:

The 1999 field exploration program was carried out in order to expand upon the 1998 seasons results. This effort was successful in that 2 new gold zones were found and opened up. Additional ground was staked that has 2 known gold zones on it. Then another existing property was added to Mud Lake Au. this newly added property has at least 3 known gold zones and 62 unexplored anomalies. 2 small VLF & MAG surveys were done.

### **SUMMARY:**

	9 9100 **	•
1.	Traditional Prospecting 2.21037	18 days
2.	Field Manual Labour	17 days
3.	Mechanical Stripping	16 days
4.	Washing, Drilling, Blasting	16 days
<b>5</b> .	Power Washing	15 days
6.	6 Zones opened up (4 carrying gold)	-
7. •	VLF & MAG Surveys (2)	4 days
8.	Sampling	•
9.	Reports	3 days
	•	79 days

## MUD LAKE AU. PROPERTY OP99 ELMHIRST PROSPECT LOCATION & ACCESS

#### **LOCATION:**

Thunder Bay Mining. Beardmore - Geraldton District. Sturgeon River Gold Belt. Southwest Elmhirst Twp. G - 162. Nts. Map sheet 42E / 13SE. Latitude 49° 46' 20" Longitude 87° 30'

#### **ACCESS:**

Travel East from Beardmore, Ont. on Hwy.11 for 40km then North on the Kinghorn road for 28km. Then left (West) on the River road for 7km. Total 75km.

#### PROPERTY:

Now consists of 7 block claims comprising 37 units. Claim 1210760 (12 units) Cl.1205012 (3 units) Cl. 1232680 (2 units) and now new claims 121512 (1 unit) Cl.1205084 (3 units) Cl. 1205082 (8 units) & Cl. 1233802 (8 units) also another property, contiguous to the above has been added. This property formerly under option to A.D.R. Explorations is made up 7 block claims comprising 54 units. Claim 1205002 (4 units) Cl. 1216023 (14 units) Cl. 1204950 (14 units) Cl. 1204947 (6 units) Cl. 1204946 (4 units) Cl. 1204936 (6 units) and Cl.1204935 (6 units)

Total: 14 block claims / 91 units

#### **WORK PERFORMED:**

Prospecting was carried out over parts of the original group and some of the new claims. Other work performed consisted of mechanical stripping and trenching, power washing, drilling, blasting, manual stripping & trenching, grid lines, VLF & MAG. survey, rock sawing, sampling, mapping & property visits.

#### **GEOLOGY:**

Elmhirst Twp. this Township lies within the Wabigoon Belt of the Superior Structural Province of the Precambrian Shield in the Beardmore - Geraldton District, Sturgeon River Gold Belt. The Twp. is largely underlain by the Coyle Lake Granodiorite Stock. Metavolcanics flank this intrusive. Most of the volcanics lie to the East. Some porphyry dykes occur to the NE.

#### **PROPERTY GEOLOGY:**

Prospecting this year has verified that the property areas examined are underlain by granodiorites and tuffaceous metavolcanics. The volcanics in some areas host numerous porphyry dykes. The South Western claims 1205012 and cl.1232680, cl. 1205082, and 1233802 are underlain by granodiorites. There are some large volcanic inclusions on these claims as well. Claims 1205084 is underlain by granodiorite in the West and felsic to intermediate metavolcanics to the East. Claim 1215312 is largely meta volcanic. The most Easterly claim is nearly underlain by felsic to intermediate metavolcanics. Granodiorite outcrops in the South West part of this claim (1210760). This claim also hosts many porphyry intrusives and dykes. Often the porphyry's will host numerous crosscutting barren white Qtz. veins ranging from 3cm to 90cm in width. The margins of the porphyry and shear sometime contain up to 20 % pyrite.

#### PROPERTY GEOLOGY:

The metavolcanics are largely tuffs and are fairly massive except near faults & lineaments. Here they tend to become foliated to schistose as do they where they contact the granodiorites.

The granodiorites are also mainly massive except along faults & lineaments, especially the Coyle Lake Fault which is a major structural feature. The diorite tends to become foliated to schistose and highly altered consisting of carbonate, ankerite silicification, and sericite. Qtz. carb. veins, Qtz. veins and altered, silicified Qtz. porphyry & diorite veining occur here to. The same happens to the metavolcanic inclusions that sometime contact the grnodiorites along the Coyle Lake Fault.

The property is cut by quite a few faults or lineaments with one main structural feature, the locally named Coyle Lake Fault striking generally North East across the property.

#### **PROPERTY GEOLOGY:**

Zone # 1: This zone on cl. 1210760 has a narrow Qtz. vein and a number of narrow splays. The vein trends N. 20° E cutting obliquely across a N 60° E striking shear zone lying between foliated porphyritic material on the North side and foliated to schistose metavolcanics on the South side. The white qtz. vein system has been exposed for 125 metres. The first 30 metres from the NE. has a width of 10 - 15 centimetres, the vein is banded crack seal qtz. and is mineralized up to 15 % pyrite. The next 20 metres along strike the vein widens out and ranges from 60cm to 25cm. The qtz. is a banded crack seal vein mineralized with py. & cpy. up to 15 % it is in this 20 metres that the vein splits into 2 veins and splays occur here as well.

For the next 40 metres the vein becomes narrow again 6 - 15cm. Mineralization remains 15 % py. For the next 25 metres the vein begins to break up into multiple veinlets in a 1 metre wide mineralized shear. Along side of this one metre wide shear two 10cm wide qtz. veins run parallel. Mineralization is about 5 to 7 % py. & minor cpy. Water flooding hampered mapping & sampling as the vein heads off into a spruce swamp.

High grade Au. assays have been obtained all along the 125metres of exposed vein. Values from 3.65 grams to 75.0 grams per ton by grab sampling.

Prospecting this year brought to light a series of old pits & trenches 100 metres on strike of the No.1 zone. This is called the No.1 Ext.

#### No. 1 Ext.

While prospecting this season we found a series of old pits and trenches 100 metres on strike of the No.1 zone on claim 1210760. We traced the pits & trenches for two hundred metres. The strike of No.1 ext. is N 60° E (No.1 zone is N 20 E) while cleaning out the trenches we observed narrow qtz. veinlets in felsic to intermediate metavolcanics. No sampling done because we wanted to mechanically strip the zone first. But that did not happen due to finances.

Late in the fall a VLF & MAG survey was done and there is VLF conductor following the zone just to the North. (see maps)

This zone requires more work.

### No. 2 Zone:

Formerly known as the boundary zone cl. 1210760 five old pits & trenches were located and cleaned out. One trench contained two narrow qtz. veinlets and sheared volcanics. Not much else was found. But subsequent mechanical cross trenching exposed a strong schistose volcanic shear 5 metres South of an old trench. The shear hosts 2 twisting qtz. veins containing up to 20 % sulphide. The shear has up to 3 % py. This 5 metre wide shear contacts a diorite dyke of finger on the South. The veins range up to 1 metre wide. This zone has been exposed for 70 metres East into cl. 1210760 and 35 metres into cl. 1215312. Much sampling done but no gold unfortunately.

(Two rock trenches were drilled & blasted on No.2 zone). (See maps)

#### **PROPERTY GEOLOGY:**

#### **ZONE #3:**

On claim 1205012 a series of old pits and trenches were found and subsequent stripping and trenching has exposed a wide alteration zone of granodiorite that hosts a system of quartz veins, and silicified granodiorites that are well mineralized. There is a heavily sheared and altered volcanic xenolith that occurs here to. The entire system strikes about N.50 E. actually the quartz veins are hosted by the volcanic's as well as the granodiorites. The best mineralized zone of shearing, quartz veins, and silicified veins of granodiorite range from 1.5m to 5.0m within a wider zone 3.0m to 10.5m wide. This zone has been exposed for the 125 metres along strike. The volcanic and granodiorite shearing along the zone is made up of ankerite, sericite, carbonate, quartz, and silicified granodiorite vein material. The granodiorite host rock near the shear is carbonated, hemaetized, and grades into quartz diorite. Mineralization ranges form minor on the margins up to a narrow zone of 15% in the centre of the system.

Gold values by grabs run from trace up to 40 grams. Gold values by chip, run 14.98 grams across 2 metres and 34.0 grams across 0.33 metres.

#### No. 4 Zone:

Formerly known as No.2 ext. cl. 1205082

During this seasons work we opened a large area on this zone. The zone is made up of a large metavolcanic inclusion contacting granodiorites on the North. The zone strikes N 55° E and is probably an off set of the No.3 zone (see map). The volcanics from South to North become foliated, then schistose and the last 2 metres start to contain carbonate ankerite, sericite schist, qtz. carb. veins & qtz. veins as they contact the diorite. Here the diorite is so altered as to look like vein material. This diorite vein is up to 2 metres wide then grades to silicified diorite for 2 more metres before it contacts the massive granodiorite. Pyrite mineralization is abundant. Sampling by grab, clip & saw cut have obtained assays as high as 30 grams over10cm, 27 grams over 1.5 metre. Muskeg, clay & water stopped us from getting right across the 6 metres. There are narrow cross faults off setting the zone as there are on the No.3 zone. These cross faults strike about N10° E.

As we trenched East we lost the zone to overburden and swamp. A MAG, survey shows an anomaly following this zone on the South.

#### No. 5 Zone:

Formerly No.2 zone. Cl. 1205082

This zone strikes N 55° E.

This seasons work opened up this zone some 100m × 35m with other trenches & cross trenches. The zone is likely an extension of the No.4 zone 275m East. The No.5 zone is hosted entirely by altered, schistose granodiorites. There appears to be chloritic areas on the Eastern end from the East the sheared granodiorite have a 2 metre wide core that host qtz. veinlets with up to 10 % pyrite. About 65 metres West some carbonate, ankerite sericitic schistose material mixes with the qtz. & shear. This material contains up to 25 % py. The West end of the stripped zone has a 3 metre wide schistose sericite, ankerite, carbonate with qtz. veinlets. All mineralized. Farther West the backhoe could not reach the outcrop. Values from the East & West ends range from 9.0 grams up to 30.0 grams per ton. The centre part of the zone has values from 0.5 gram to 8.0 grams per ton. A Mag. survey shows an anomaly parallelling the zone.

#### No. 6 Zone:

This is the historic Oliver-Seven Zone. It is close to 700 metres SW of the No.5 zone. This zone has been stripped & trenched for 150 metres by 15 metres. There is a core of qtz. veining up to 4 metres wide carrying Py. Gn. Cpy. up to 30 %. This core lies in foliated metavolcanics this volcanic inclusion is hosted by granodiorites. Grab samples with values up to 90.0 grams per ton can be taken on this zone. Past diamond drilling has outlined a small ore body averaging 6.0 grams per ton. 1.55 metres wide by 95 metres down to a depth of 35 metres. This is the only gold showing on the property that has been partially tested by drilling. This drilling was carried out in the 1930's. The zone strikes N 60° E.

### Other Zones:

With the addition of another property to the Mud Lake Au. Property another 5 gold zones have been added on. Previous work has by the authors and A.D.R. explorations has uncovered these zones and high gold values have been obtained from several of them. Grabs of 27.0, 22.0, 18.60, grams per ton across 3.5 metres.

1998

**ZONE #1.** 

Claim 1210760

Stripped Area:

160 metres long and from 15 metres to 60 metres wide.

6 back hoe cross trenches. 2 metres wide up to 34 metres long and

from 1 metre to 4 metres deep.

**Rock Trenches:** 

14 old trenches cleaned out.

No.1:

Drilled and blasted 1m x 4m x .50m deep.

Sheared volcanic's minor py. Quartz vein 12cm wide 20% py.

No.2:

Drilled and blasted 1m x 3m x .65m deep.

Sheared volcanic's minor py.

Banded qtz. vein. 50cm wide cpy. py. 20%

No.3:

Drilled and blasted 1m x 6m x0.65m deep.

Schistose volcanic's on hanging wall. Minor py. Foliated volcanic's on foot wall Barren.

Banded qtz. vein. 15% to 20% py.

No.4:

Drilled and blasted 1m x 1m x 0.50m deep

Schistose volcanic's. Minor py.

Qtz. vein 24cm 15% py.

No.5:

Drilled and blasted 1m x 2m x 0.60m deep

Schistose volcanic's. Minor py.

No.6:

Drilled and blasted 1m x 1m x 0.50m deep

Schistose volcanic's. Minor py. Qtz. vein 15cm wide 10% py.

No.7:

Drilled and blasted 1m x 2m x 0.65m deep

Schistose volcanic's. Minor py.

Otz. vein 17cm wide 10 % py. 2% cpy.

No.8:

Drilled and blasted 1m x 2m x 0.65m deep

Schistose volcanic's with multiple qtz. veinlets

1 metre wide 5% py.

2 qtz. veins parallelling above shear each 10cm wide with 5% py.

**ZONE #1 EXTENSION:** Claim 1210760

Stripped Area: No mechanical stripping & trenching

**Trenches & Pits:** 6 old pits were manually cleaned out.

Average size  $2m \times 1m \times 0.7m$ 

3 old cross trenches cleaned up. 2 are

 $10m \times 1m \times 1.5m$  deep. One is  $25m \times 1m \times 1m$ 

One old trench that strikes N 60° E for 125m was cleaned out. This work revealed narrow mineralized qtz. veins.

**Zone # 2:** Claim 1210760 & cl. 1215312

Stripped Areas:  $(#1) 100m \times 15m$  dozer & hoe  $(#2) 55m \times 10m$  dozer &hoe

3 back hoe cross trenches 2m wide up to 35m long

and from 1m to 3m deep.

**Rock Trenches:** (5 old pits & trenches cleaned out)

New No.1. Drilled & Blasted 2m × 1m × 0.5 deep

Sheared volcanics with up to 3 % py. Qtz. veining 1.0m wide, up to 20 % py.

No.2. Drilled and Blasted  $2.0m \times 1.0m \times 0.60m$  deep

Schistose felsic to intermediate metavolcanics hosting

1.0m qtz. veining. Volcanics 2 % py.

Qtz. veining 5 - 7 % py.

1998

**ZONE # 3:** 

Claim 1205012

Stripped Area:

160m long and from 12m to 40m wide.

14 old trenches located

Drilling and Blasting

Rock trench No.1:

1m x 3m x 0.50m deep

Schistose meta volcanic's, qtz. veinlets, sericite, ankerite

carbonate. Up to 7% py.

Rock Tr. No.2:

1m x 3m x0.50m deep

Schistose volcanic's, qtz. vein, qtz. carb veins, ankerite

carbonate, sericite up to 7% py.

Rock Tr. No.3:

1m x 3m x 0.50m deep

Schistose volcanic's, ankerite, carb. py. 2 metres Schistose volcanic's, qtz. veins qtz. carb. veins carb.

sericite, ankerite, 7% py.

Rock Tr. No.4:

1m x 3m x 0.50m deep

Sheared, silicified, carbonated, ankerite, sericitic

granodiorite and qtz. veins up to 10% py.

Rock Tr. No.5:

1m x 3m x0.50m deep

Altered, silicified, sheared granodiorite containing qtz. veins

and carb. veins up to 10% py.

Rock Tr. No.6:

1m x 4m x0.50m deep

Same as No.5.

Rock Tr. No.7:

1m x 2m x 0.50m deep

Same as #'s 5and 6

Rock Tr. No.8:

 $1m \times 5m \times 0.50m$  deep

Strong system of qtz. veins, qtz carb. veins in

sheared granodiorites containing ankerite, sericite,

carbonate, up to 10% py.

**ZONE # 4:** Claim 1205082

Stripped Area: 150 metres long and from 2 metres up to 13 metres wide.

Two cross trenches 2 metres wide up to 50 metres long,

And from 1 metre up to 3 metres deep.

**Rock Trenches:** No.1: Drilled and blasted  $2.0m \times 1.0m \times 0.70m$  deep.

Foliated to schistose volcanics on South end and

silicified altered qtz. diorite in North end.

Qtz. Carb. & qtz. veins in the metavolcanics up to 2 %

py. in qtz. veins and altered diorite vein.

No.2: Drilled and blasted 1.0m  $\times$  1.0m  $\times$  0.75m deep.

Foliated to schistose volcanics containing qtz. veinlets

and sericite, ankerite schist. 10 % py.

**ZONE # 5:** Claim 1205082

Stripped Area: 135 metres long and from 5.0 metres up tp 18 metres wide.

1 cross trench 15 metres long and 3 metres wide.

**Rock Trenches:** 4 old trenches cleaned out

New No.1 Drilled and blasted  $2.0 \text{m} \times 1.0 \text{m} \times 0.75 \text{m}$  deep

Sheared granodiorite hosting qtz. veinlets up to

10 % py. East end of zone.

No.2 Drilled and blasted  $2.0m \times 1.0m \times 0.75m$  deep

Schistose sericite ankerite, carbonate. Hosting qtz.

Veinlets up to 20 % py. West end of zone.

**ZONE # 6:** Claim 1205082

**Stripped Area:** 100 metres long and 20 metres wide.

**Rock Trenches:** four old trenches cleaned out

New No.1 Drilled and blasted  $4.0 \text{m} \times 1.0 \text{m} \times 0.75 \text{m}$  deep

Schistose metavolcanics hosting qtz. veins with

up to 30 % py. cpy. gn.

## MUD LAKE AU.

## **No. 4 ZONE CLAIM 1205082**

Sample No.	Location	<u>Type</u>	<b>Description</b>		Gram/Ton
12649	No. 4 zone	grab	calcite & qtz. veinlets in volc. s coarse & fine 5 % py.	chist	0.11
12650	No. 4 zone	grab	mixed grano. & volc. K feldspars. Qtz. blebs, calcite 10 % py.		0.61
12681 (30)	No. 4 zone	grab	altered qtz. diorite vein	5% py	2.54
12682	No. 4 zone	grab	altered qtz. diorite	2% py	1.03
12683	No. 4 zone	grab	sericite schist, qtz. vein	5% py	1.80
12684	No .4 zone	grab	foliated volcanics	2% py	0.15
12685 (34)	No. 4 zone	grab	sericite ankerite schist, an Qtz. veinlets	d 5% py	2.33
12686	No. 4 zone	grab	granodiorite	1% py	0.10

## MUD LAKE AU.

## **No. 4 ZONE CLAIM 1205082**

Sample No.	Location	<u>Type</u>	Description Gra	m/Ton
7095A	No. 4 zone	grab	sericite schist, ankerite, carbonate some qtz. carb. vein. 15% coarse, 5% fine py.	1.85
7096	No. 4 zone	50cm Sawcut	qtz. veinlets, sericite ankerite schist 10% py.	3.84
7097		50cm sawcut	Sericite, ankerite, schistose, siliceous 3% py	v. 0.15
7098	No. 4 zone	50cm Sawcut	Qtz. rich, sericite, ankerite schist 2 % py.	1.65 = 1.88
7099	No. 4 zone	grab	Metavolcanics, carbonate, qtz. blobs 1%py.	0.19
7100	No. 4 zone	grab	Volcanics, sheared chlorite, qtz, sericite Ankerite 1 % py.	0.02
12641(20)	No. 4 zone	grab	qtz. carb. vein, sericite schist 5% py.	10.53
12642	No. 4 zone	50cm Chip	sericite ankerite, carb. schist in metavolcanic qtz. carb. veinlets 5 % very fine py.	s 0.78
12643	No. 4 zone	grab	schistose volcanics, silicified, felspathic 15 % fine py.	0.17
12644	No. 4 zone	grab	calcite, qtz. foliated volcanics coarse & fine py 10 %	0.07
12645	No. 4 zone	grab	qtz. and sericite schist in volc. 2 %py	0.05
12646 (25)	No. 4 zone	grab	altered qtz. diorite vein coarse & fine py. 5% & 1 %	11.04
12647	No. 4 zone	grab	sericite schist minor blebs coarse py.	0.11
12648 (27)	No. 4 zone	grab	qtz. carb. & calcite vein fine 2% py. Blebs of fine 20 % py.	8.40

## **No. 4 ZONE CLAIM 1205082**

Sample No.	<b>Location</b>	<u>Type</u>	<u>Description</u> <u>Gra</u>	m/Ton
7082	No. 4 zone	70cm Sawcut	vein of ankerite, sericite, qtz. and qtz. carb. 3-5 % py.	2.71
7083	No. 4 zone	70cm Sawcut	silicified, altered vein of qtz. porphyry & qtz. diorite 10% py. & 3% coarse py.	24.64
7084	No. 4 zone	65cm Sawcut	sericite, ankerite, schist, qtz. veins chloritic shear & carb. 7% fine py 3% coarse py.	8.26
7085	No. 4 zone	45cm Sawcut	chloritic shear with qtz.& qtz. carb. veinlets, calcite. 2-3 % fine py.	0.32
7086	No. 4 zone	60cm Sawcut	qtz. carb vein, sericite & chlorite 8cm of semi massive sulphide 3 % py.	8.57
7087	No. 4 zone	65cm Sawcut	altered qtz. diorite, qtz. porphyry vein 8 % py.	12.0
7088	No. 4 zone	35cm Sawcut	chloritic schist. Qtz. veinlets 5% py.	1.61
7089	No. 4 zone	grab	qtz. carb. veinlet, carbonate, sericite Schist 1% py.	0.39
7090	No. 4 zone	grab	barren qtz. carbonates, ankerite shear	0.05
7091	No. 4 zone	grab	grano. with Red K Felspar alteration, Qtz. vein, magnetite 2 % py.	0.02
7092	No. 4 zone	grab	qtz. diorite, K feldspars, magnetite1%pg	y. 0.02
7093	No. 4 zone	grab	qtz. diorite, K feldspars, qtz. vein 3% p	y. 0.01
7094	No. 4 zone	grab	barren qtz. carb. vein, sericite, ankerite schist 3 % py.	0.07
7095	No. 4 zone	grab	qtz. carb. vein 20% coarse py.	2.33

## No. 2 ZONE Cl. 1210760

OP99	SAMPLE DESCRIPTION ELMHIRST			PROJECT
Sample No.	<b>Location</b>	<u>Type</u>	<b>Descriptions</b>	Gram/Ton Results
12665	No. 2 zone	grab	schistose metavolcanics 2% py.	NIL
12666	No. 2 zone	grab	altered granodiorite dyke 1% py.	NIL
12667	No. 2 zone	grab	white qtz. vein 10% py.	0.01
12668	No. 2 zone	grab	sugary white qtz. vein 7 % py.	0.10
12669	No. 2 zone	grab	white qtz. vein banded 15 % py.	0.01
		No.	5 ZONE CLAIM 1205082	
12670 (1)	No. 5 zone		65cm chip of sericite, ankerite	2.075
12671 (2)	No. 5 zone	•	qtz. rusty. 7 % py. 70cm chip of mixed granodiorite	3.875
12071 (2)	110. 5 20110		& schistose ankerite, sericite & qt.	<b>7</b> .
		ор	Minor pyrite	1.37
12672 (3)	No. 5 zone	30cm	of schistose altered granodiorite	
			minor pyrite	0.07
12673 (4)	No. 5 zone	80cm	sericite, schist, ankerite, carb.	
, ,		Chip	chloritic and qtz. veinlets 4 % py.	3.46
12674 (5)	No. 5 zone	75cm	schistose, altered granodiorite	
		Chip	and qtz. 1-2 % py.	2.09
12675 (6)	No. 5 zone	30cm	grey qtz. vein & ankerite	
		Chip	schist 10 % py.	29.83
12676 (7)	No. 5 zone	50cm	schistose, ankerite, sheared	
		Chip	granodiorite 4 % py.	4.90
12677 (8)	No. 5 zone		sheared granodiorite 1 % py.	0.52
		Chip		
12678 (9)	No. 5 zone		sheared grano. & qtz. 1 % py.	0.26
		Chip		
12679 (10)	No. 5 zone		sheared grano. with multiple	
		Chip	qtz. stringers 5-7 % py.	3.98

## MUD LAKE AU PROPERTY

SAMPLE DESCRIPTIONS ELMHIRST PROJECT OP99

## **ZONE NO. 1 EXTENSION CL. 1210760**

Sample No.	Location	Type	Description	Gram/Ton Results
7061	No.1 ext. zone.	grab	white banded qtz. vein near tr. 7% py.	18.33 G/T
7062	No.1 ext.	grab	sheared volcanics 2% py.	0.09
7063	No.1 ext.	grab	white qtz. vein rubble 4% py.	1.845
7064	No.1 ext.	grab	white qtz. vein rubble 1% py.	0.05
7065	No.1 ext.	grab	sheared porphyritic volc. 1% py.	0.01
	]	RIVEF	R ROAD VEINS CL.1210760	
7066	road vein #1	grab	white qtz. 1% py.	0.035
7067	road vein #1	grab	milky white qtz. 1% py.	0.01
7068	road vein #2	grab	blue-grey qtz. 1% py.	0.02
7069	road vein #2	grab	grey-white qtz. 1% py.	0.23
		N	o. 6 ZONE Cl. 1205082	
# 1	zone No. 6	grab	altered granodiorite 3% py.	0.01
# 2	zone No. 6	grab	schistose metavolcanics 2% py.	0.03
# 3	zone No. 6	grab	white qtz. vein	0.02
# 4	zone No. 6	grab	white qtz. py. gn. cpy. 15%	54.43

#### **SUMMARY:**

Prospecting this season (1999) shows that the North Eastern part of the claim group is largely underlain by felsic to intermediate metavolcanics of a tufaceous nature. Some are porphyritic also. There are areas where numerous porphyry dykes intrude. Some granodiorite intrusions occur and one diorite dyke was found.

The Western part of the property is largely underlain by granodiorites.

The Southern and South Western parts of the property are underlain by granodiorites. Metavolcanic inclusions occur in the altered diorites on zones # 3, # 4, and # 6.

The faults and lineaments strike generally NE. As does much of the bedrock geology. Zone No.1 on claim 1210760 is a qtz. vein system striking N 20° E across N 60° E striking shear zone in metavolcanics. Zone No.1 ext. is also a narrow qtz. vein system striking N 60° East do the felsic to intermediate metavolcanics it lies in cl. 1210760. Zone No.2 is a sinuous qtz. vein system in a schistose metavolcanic shear, striking nearly East West. The veins and shear butt up against a qtz. diorite dyke on it's N. side. Cl. 1210760 and cl 1215312. Zone No.3 on cl. 1205082 is a N 60° E striking shear zone in altered granodiorites and sheared metavolcanics hosting qtz. veins and qtz. diorite veins.

#### **SUMMARY:**

No.4 zone on cl.1205082 strikes N 55° E. This zone like N0.3 consists of sheared metavolcanics and altered granodiorites hosting qtz. carb. veins, qtz. veins, and silicified qtz. porphyry diorite vein matter, all in a surrounding mass of granodiorite. This zone could be an offset of No.3 zone. No.5 zone on cl.1205082 is 275m SW of No4 and is quite likely an extension. It to strikes N 55° E. Only this zone lies entirely in altered, schistose granodiorite hosting qtz. veinlets, and sericite ankerite carbonate schist with qtz. veinlets. No.6 zone: Is also on cl. 1205082. Strikes N 55° E and consists of sheared, altered felsic to intermediate volcanics within a granodiorite mass. The shear is largely filled by qtz. veins.

The former ADR option hosts numerous zones all striking generally NE. Some have fair to very good Au. values. This property is now part of Mud Lake Au. In all there is 6.4km strike with 11 zones carrying gold that have been found to date. Only 1 gold zone has been tested by diamond drill. All the gold bearing zones found to date along 6.4km strike length follow the Coyle Lake Fault on the N.N.W. side.

#### **ZONES**

ZONE:

No. 1: Shown on map #

No. 1 ext.: Shown on map #

No. 2: Shown on map #

No. 3: Shown on map #

No. 4: Shown on map #

No. 5: Shown on map #

No. 6: Shown on map #

**Bull Pine:** Shown on map #

Cu. Zone: Shown on map #

Porphyry: Shown on map #

Zones No. 7, 8, 9, 10, 11 not shown because the current OPAP season does not concern them, other than that they became part of the property during the season. These zones are on claims 1204947, cl. 1204950, cl. 1216023, and cl. 1205002.

**RESULTS:** 

The VLF & MAG surveys show a relationship between mag. highs and gold zones. This years program was successful in that 4 new zones were opened up. Another 4 block claims were staked and another property made up of 7 block claims was added to the Mud Lake Au. Property. In all there are 14 claims comprising 91 units.

**ASSAYS:** 

Gold values of economic interest have been obtained from 3 zones on the Mud Lake Property, 3 zones on the newly staked ground and 2 zones on the former ADR ground.

## ASSAY HIGHLIGHTS Grams Per Ton

No. 1 Zone:

70.20, 2650, 52.53, 65.83, 58.05, 8.19,17.93, 9.19 (year 1998)

No. 1 Ext.: (OP99)

18.33

1.84 G/T

No. 3 Zone: (year 1998) 9.87, 8.64, 34.0, 9.46, 20.06, 14.40, 33.98, 8.40, 8.43

No. 4 Zone: (OP99)

24.64, 8.26, 12.0, 10.53, 8.57 G/T

No. 5 Zone: (OP99)

29.83 G/T, 3.87, 3.98, 4.90 G/T

No. 6 Zone: (OP99)

Grab sample 54.43 G/T

No. 7 Zone:

(ADR Expl. 1997-98)

No. 8 Zone:

(ADR Expl. 1997)

Resident Geologist Gerry White from the MNDR Thunder Bay North made 3 visits to the property this year. He sampled the No.2, 4, & No.5 zones.

## **RECOMMENDATIONS:**

- (1) Grid cut on the property
- (2) VLF, MAG, IP surveys carried out.
- (3) Mechanical stripping and trenching on any important anomalies.
- (4) Attempt to tie in all the zones along the 6.4km strike length.

# ASSAY DATA



42E13SE2015 2.21037

ELMHIRST





Established 1928

## Swastika Laboratories

### Assaying - Consulting - Representation

## Assay Certificate

9W-1482-RA1

Company:

F. HOUGHTON

Date: JUN-14-99

Project:

Attn:

F. Houghton

We hereby certify the following Assay of 9 Rock samples submitted JUN-09-99 by.

Sample Number	Au g/tonne	Au Check g/tonne	Au 2nd g/tonne	Ag g/tonne	
7061	18.34	17.83	18.82	-	
7062	0.09	_	-	_	
7063	1.82	1.87	-	-	
7064	0.05	-	-	_	
7065	.0.01	-	-	0.7	
7066	0.03	0.04			
7067	0.01	-	-	_	
7068	0.02	-	-	-	
7069	0.23	-	-	-	

# 118.51 poid Assays! Mud Loke, 1999 F. Houghton, Elmhirst Twp. 118.51

One assay ton portion used.



Established 1928

Swastika Laboratories 2

A Division of Assayers Corporation Ltd.

## Assaying - Consulting - Representation

## Assay Certificate

9W-1736-RA1

Date: JUL-02-99

Company:

**NATIVE GOLD** 

Project:

Attn:

L. Clarke/F. Houghton

We hereby certify the following Assay of 4 Rock samples submitted JUN-29-99 by .

Sample	Au	Au Check
Number	g/tonne	g/tonne
#1	0.01	-
#2	0.02	0.04
#3	0.02	-
#4	53.76	55.10

\$ 55,00 pord

55.00

One assay ton portion used.

Certified by K. Morrison



## Swastika Laboratories

A Division of Assayers Corporation Ltd.

## Assaying - Consulting - Representation

f(x)

Established 1928

Assay Certificate

9W-2954-RA1

Company:

F. HOUGHTON

Date: OCT-13-99

Project:

Attn:

F. Houghton

We hereby certify the following Assay of 15 Rock samples submitted OCT-07-99 by .

Sample Number	٤	Au g/tonne	Au Check g/tonne	
12665		Nil	Nil	
12666	. 10	Ni l	-	
12667	NO 2 ZONE	0.01	-	
12668	$p_{\mathcal{O}}$	0.10	-	
12669		0.01	-	
12670		3.70	4.05	
12671		1.37	-	
12672		0.07	-	
12673	110.5	3.46	_	
12674		2.09	_	
12675		29.83	27.26	
12676		4.90	-	· · · · · · · · · · · · · · · · · · ·
12677	6.5	0.52	-	174.7
12678	<b>3</b> <del>3</del>	0.26	-	
12679		3.98		

\$ 184.58 paid

One assay ton portion used.

Certified by

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0. Telephone (705)642-3244 Fax (705)642-3300



Established 1928

## Swastika Laboratories

A Division of Assayers Corporation Ltd.

### Assaying - Consulting - Representation

Page 1 of 2

## Assay Certificate

9W-3283-RA1

Company:

F. HOUGHTON

Date: NOV-03-99

Project:

Attn:

F. Houghton

We hereby certify the following Assay of 35 Rock samples submitted OCT-27-99 by .

Samp I e	Au	Au Check	Au 2nd	
Number	. g/tonne	g/tonne	g/tonne	
7082	2.71	-	-	
7083	24.96	24.03	24.93	
7084	8.26	-	-	
7085	0.32	-	-	
7086	8.57	_		
7087	12.27	11.69	-	
7088	1.61	-	-	
7089	0.39	-	-	
7090	0.05	-	-	
7091	0.02	_	<u>-</u>	
7092	0.02	-	-	
7093	0.01	_	-	
7094	0.07	-	-	•
7095	1.89	2.33	-	
7095-A	1.85	-	-	
7096	3.84	-		
7097	0.15	-	_	
7098	1.65	-	_	
7099	0.19	-	-	
7100	0.02	-	-	
12642	0.78	-		
12643	0.17	-	_	
12644	0.06	-	-	
12645	0.05	-	-	
12646 & 12641*	10.53	11.04	-	
12647	0.07	-		
12648	8.40	-	_	
12649	0.11	-	_	
12650	0.61	-	-	
12681	2.54	-	-	
~			<del>-</del> :	

One assay ton portion used. \* Indicates there were two tags in one sample bag.

Certified by\_

430.68 paid

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0 Telephone (705)642-3244 Fax (705)642-3300



Established 1928

## Swastika Laboratories

## Assaying - Consulting - Representation

Page 2 of 2

## Assay Certificate

F. Houghton

9W-3283-RA1

Company: F. HOUGHTON

Date: NOV-03-99

Project: Attn:

We hereby certify the following Assay of 35 Rock samples submitted OCT-27-99 by .

Au g/tonne	Au Check g/tonne	Au 2nd g/tonne
1.03	-	-
1.80	-	-
0.15	-	-
2.33	2.19	-
0.10	-	-
	g/tonne 1.03 1.80 0.15 2.33	g/tonne g/tonne 1.03 - 1.80 - 0.15 - 2.33 2.19

One assay ton portion used. \* Indicates there were two tags in one sample bag.

Certified by

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0 Telephone (705)642-3244 Fax (705)642-3300

GlienilD	Rest
Client : White	
Analyte	Au
Units	oz/ton
Detection Limit	0.01
99MFH-1	0.04
99MFH-2	0.25
99MFH-3	0.16
99MFH-4	0.03
99MFH-5	N.D.
99MFH-6	N.D.
99MFH-7	N.D.
99MFH-8	N.D.
99MFH-9	N.D.
99MFH-10	N.D.
99MFH-11	0.35
99MFH-12	0.03
99MFH-13	N.D.
99MFH-14	0.04
99MFH-15	N.D.

GlientiD 3	Rest Rest	THE Res2
Client : White		
Analyte	Ag	Au
Units	oz/ton	oz/ton
Detection Limit	0.1	0.01
99-MFH-16	N.D.	0.11
99-MFH-17	N.D.	0.25
99-MFH-18	N.D.	N.D.
99-MFH-19	0.1	0.96
99-MFH-20	0.2	0.16
99-MFH-21	N.D.	N.D.
99-MFH-22	N.D.	N.D.
99-MFH-23	N.D.	N.D.
99-MFH-24	N.D.	N.D.
99-MFH-25	N.D.	N.D.

By G. White

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WEST END OF NO 4 ZONE

GEOSCIENCI	E LABORATORIA SSION FORM		laye 9	Company: <u>MNJ/</u> Contact: <u>G</u> F		RES-GESL POG WHITE			BOOZ, 435 S. JAMES ST., THUTER BAY, ON PFK 657 807-475-1331 Fax number: 807-475-1112.
Note: Several samples may b	e listed per line if information/anal	ysis is identical.			- 44			E-man.	A A A A A A A A A A A A A A A A A A A
Sample ID	Descriptio <b>n</b>	Test Code	All Elements	Specific elements	AII Samples	Specific Samples	Λ	Comr	ments and/or Special Instructions
1. 99-MFH-1	M. VOLE. /QTZ.	0.04	0	•	٥.		/SSAY	Au/	MUDLK. # 4ZON=/GIMHIRST TWP/MUDLA.#1
2. 99-MFH-2	WILL OTT KALLITE	0.25			0			//	MUD LK.#2
	OTZ. PAR/INTRIGILE				0				Mun Lu. #3
•	SH. OTZ BRALLOLC.		0					//	MUD LK. #4
<u> </u>	MIDV. /MINCR ALT. POR.						11	7'	M4714 #5
	0.1-0.1	Ni4			۵			//	MUD LK #6
_	BORYST. OTZ/COLITE				· n		11	7'	MUD LK. #7 (HICHLY GOSSANAD)
s. 99-MFH-8	/ /	nis.	П				1/	7	MuDLK.#8
	IDIC. //wreising MIX	NIL			Π.			/	MUD LK. #9 (HIGHLY SHEARES)
10. 99-MFH-10		nik	ם ם		ī		· And the	1/2	MUT) LU. #10 (FOLDED OF SHEARED)
11. 99-MH-11		0.35	n :		П		<i>i II</i>	/	MUD LK. #11 (POSS. SOME INT. POR.)
~ ~	MATSICIC. / BTZ.				П		(/	1)	MAD LK. CHANNEL / 80CM /WRTH KND.
^	SHURLES METAURIC.		0		Д		- 1/	/	MUD LK. CHANNEL/GOCH/MIDDLE. WRTH
_	COSSINCE METABLE.				п			1)	MUT LK. CHANGE GOCH MIDITUS SOUTH
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	type; matrix, water (acidified/not acid				u .		Comments: high	sulphinas' safaty r	precautions; expected element concentrations; refrigeration; etc.
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Method of Data Delivery	□ Mail □ Fax □ E-ma	il 🛭 Disk	Send Data	i to		·	<del></del>		G.L. Job Number

GEOSCIENC.	E LABORA	ATORIES	Company: M	NDM 1065 RKG-640	EDL. POXILLY Address: 5T. BOOZ, 435 S. JAMES ST-, THEWITER BAY, ON PAKE
SAMPLE SUBMI	SSION FORM	1 ,	Contact:	ERRY WHITE	Phone number: 004 - 473 - /// Fax number: 004 - 473 - /// 2 , \
Note: Several samples may	be listed per line if inf	ormation/analysis is id	dentical.		E-mail:
Sample ID	Descriptio	on Test	AII Code Elements Specific elements	All Specific Samples Samples	(SAMPLES COLLECTED ALG. 35/94) Comments and/or Special Instructions
1. 99-MFH-16	GA DTZ	·	0	0	HSSAY Au, Ag. MUDLK ! LIVE / ALT. OTE-FELD GRORGD & OTZ VEW 1-292
2. 99-MFH-17	QFP/QT	<u>z</u>		0	11 1' " MUD LK. # 420Ne(NOM #2)   SAKE AL NOW # KERLITE ALT / BEEN BY
3. 99-MFH-18	GRANDIOR	ITK	0	0	11 " " NO. 5 VAIN (NDM # 3) /SHENR & SARICTE LICH CO. /4190 KN BY
4 99-MFH-19	Glano/0,72	<u>.                                    </u>		a	11 " " NO.5 VEIN (NOM #4) POTZ VEIN & SWESPED METANOLE 12-39. DISS.
5. 99-MFH-20	Voic /07	<u>z</u>	0	D	" " NO.5 VEIN(NIM#5)   GREY DIZ. UGW 95000 GD.   190 1455. 17
6. 99-MFH-21	Vou. / Q	TC	0	0	11 11 NO 2 ZOINE: (NOM "E) JUST LUID) / OT Z URIU "SHKLEED VOLC / 19/6 P
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8. 99-MFH- 23	GRWD. 1972	1000		D	11 11 0 NU 22 CAR (NOM #B) HIGHLY GOSSAN BY MIX OTZ/GD. HARRANCE 5/2
9. 99-44H-24	Caro) at	z/vou		0	11 " 11 : DIGZZCUE (NDM#9) / SHEDRED OF Z UCIN/METABLISE REU 19017
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Samp	<i>le Archiving</i> Discard Retur	n Archive	Prices quoted by whom	Invoicing Instructions	Method of Payment □ Cash □ Cheque □ Visa □ Mastercard;
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Method of Data Delivery	□ Mail □ Fax	c □ E-mail □ □	Disk Send Data to		G.L. Job Number

Disclaimer

Values are reported as achieved on each instrument. If values are above or below the working limits, it is the responsibility of the client to request another type of analysis for conclusive results. This will constitute an additional cost.

## REPORT ON A MAGNETIC

SURVEY

ON THE

## MUD LAKE GOLD PROPERTY

Elmhirst Twp. Ont

Claim Map G - 162 Claim No.'s 1205082 and 1205012

Lat. 49° 46' Long. 89° 40'

By P. Lassila

Dec. 1999



2E13SE2015 2.21037

ELMHIRST

#### Mud Lake Gold Property

In the period November 26<sup>th</sup> to December 1999 a magnetometer survey, utilizing a Scintrex MP-2 protrom magnetometer, was conducted on the Mud Lake Gold Property in Elmhirst Twp. Ontario.

Access is by Hwy 11, 24km East from Beardmore, then 14km North along Hwy 801and then 8 km East along a gravel road to the property location.

The property is owned by F . Houghton and Leroy Clarke (50% each) both of Beardmore Ontario.

The survey was conducted on 100m spaced compassed, hipchained, flagged lines, for a total of 3.5 line km, with 12.5m station spacing (total 337 stations). A base station was established at 0+00 on BL 0+00 to check daily diurnal magnetic drift. Maximum drift during the survey period was only68 gammas and therefore the results are plotted uncorrected in profile form as is shown on the accompanying map.

The results indicate two interesting Northwesterly striking trends of magnetic peaks over, and along strike of previously stripped gold-bearing sulfidic and quartz flooded alteration shear systems hosted by a massive quartz-dioritic intrusive. Some with associated volcanic's.

The "South" magnetic linear of magnetic highs follows completely through the 960m length of the grid at about 25m to 50m Southwest of BL 0+00.

The "North" magnetic linear of highs strikes Northeasterly about 50m Northwest of BL 0+00 from 2+00 Northeastward through the end of the grid at 6+00 E.

Due to the gold-bearing mineralization that is known, form trenching, to underlay linear's, these magnetic linear's must be considered as prime exploration targets for gold possibilities.

Also, in consideration that property is known to contain, roughly on a strike length of over 6 km, a total of eleven similar gold showings, it is strongly recommended that a detailed magnetic survey should be completed over the entire 6km length.

Following the results of the magnetic survey bulldozer stripping and backhoe trenching should be conducted over any linear's of magnetic highs to expose the bedrock for sampling for gold assays from all zones of sulphide mineralization and quartz flooding.

A budget of at least \$70,000 would be needed to complete the above proposed work.

P. Lassila

**Consulting Geologist** 

## REPORT ON A

## VLF EM AND MAGNETOMETER

## **SURVEY**

## THE MUD LAKE GOLD PROPER

Elmhirst Twp. Ont.

Claim Map G-162 Block Claim 1210760

Lat. 49° 46' 20" Long. 87° 39'



#### MUD LAKE GOLD PROPERTY

During the period Nov. 18<sup>th</sup> and 19<sup>th</sup> 1999, VLF EM and Magnetic surveys were conducted over the No.! Zone gold-bearing area on the Mud Lake Gold Property in Elmhirst Twp. Ont. (Clm. 1210760).

A Geonics EM - 16 VLF and a Scintrex Mp - 2 Magnetometer were utilized for the Survey on 100m spaced compassed, hipchained, flagged lines, and a 25m station spacing. Catler Maine transmitter station at a frequency of 24kh2 was used for the VLF survey. A base station at 0+00 on BL 0+00 was established to test for magnetic diurnal drift, which was 26 gammas for the one day of the magnetic survey. The survey was done on a 1.3km flagged grid.

Access to the property was by truck 24km East from Beardmore Ont. along Hwy 11 and then North 12km along Hwy 801 to a gravel road then to the East 9km to the property location.

The property, claim No.1210760 on which the surveys were conducted is owned 50 % by Frank Houghton and 50 % by Leroy Clarke, both of Beardmore, Ont. The results are depicted, in profile form, on the enclosed map.

A strong Southwesterly VLF EM conductor, under swamp, is indicated to lie 20m West of BL 0+00 on line 3+00 S. This is likely of bedrock affinity overprinted by conductive overburden. It lies directly on strike only 75m South of a long backhoe trench which exposed a gold-bearing, silicified, pyritic sheared zone, hosted by felsic to intermediate volcanics on the South and porphyritic rocks on the North. Other rather weak VLF conductive locations appear to entirely related to conductive swamp aspects.

The results of the magnetic survey show flat magnetic response, except for weak magnetic high extends Southward from line 3+00 S. along the East side of BL 0+00.

Of interest are a series of small old trenches along a narrow Southwesterly trending topographic high, observed during the geophysical surveys. These are located near BL 0+00 from 1+75 S to 3+00S, as indicated on the enclosed map.

It is recommended that the area of the old trenches be mechanically stripped for better exposed then power washed for better exposure and rock saw sampling.

A budget of 15,000 should be sufficient to complete this work.

P. Lassila

Consulting Geologist

Assila

# INVOICE 5



42E13SE2015 2.21037

ELMHIRST

Invoice 19991207 Dec. 07, 1999

To: Frank Houghton P.O. Box 164 Beard more, Ont, POT 160

From: Ponthi Lassila P.O. Box 143 Beard more, Ont POT 160

Subject, All-inclusive costs and charges for VLF and Magnetometer surveys, maps and two short reports on the Hud Lake Gold Property in Elmhirst Twp. Ont.

Total this Invoice \$ 1950,00

Pec, 07, 1999

P. Lassila

Reçu de Received from <u>FRANK Houb</u>	DEC. 8th	_19 <i>_<b>9</b>.9</i>
Ane Thousand nine House FOR WORK ON P. HOU	hed fifty	100 Dollars
AND F. HOUGHTON'S MU	OLAKE PROPERTY	
\$ 1,950, or No.  No. d'enry. taxe Tax Reg. No: Plassila	LI HASSELA.	

F+M Controcting

P.C. Boy 123

Beardmare Onti

### **INVOICE**

OUR NUMBER 947519

DATE 0 4 Aug 99

CUSTOMER'S ORDER

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	POTIGO				CUSTOMER'S	ORDER			
<u></u>	P. HOUL								
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	Mr d hake from	certy							
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F+ M Controcting P.O. Box 123 Beardmore Ont POTIGO

INVOICE

OUR NUMBER 947518

DATE OF Aug 99

CUSTOMER'S ORDER

ADDRESS	Hughton L. Clork P. HOVEN  Brundmare Ont  Ind Lake Property	SHIP TO					
TAX REG. NO.	SALESMAN	F.O.B	TERMS		VIA		
QUANTITY	DESCRIPTION			PRI	CE	AMC	TAUC
175	120 Mitsubishi Buck	hoe Kenta	/				
13741	8' -21741 5	03 Aug	7				
1411	2. , 23 . , 4	04 Ava	7		r		
15 11	8 24 11 7	/	110	5 0	75 /	160%	00
16 11	8 26 4 7						
17 "	8 - 27 4 2	$\rho:\rho$	1		<i>لا</i> ر.	621	
19 11	6 30 14 2.	Pall	6/8	ig ch	7		
	F-16al Charges to 81	Gom work	ksix	<i>i</i> C		375	60
	GST R122 485311					451	50
	Total owing				#	6901	50
BLUELINE DC3							



## **Work Report Summary**

Transaction No:

W0140.00111

Status: APPROVED (D)

Recording Date:

2001-APR-05

Work Done from: 1999-MAY-18

Approval Date:

2001-JUL-04

to: 1999-JUN-30

Client(s):

118802

CLARKE, LEROY RICHARD

146058

HOUGHTON, FRANKLIN ALFRED

146061

HOUGHTON, PHILIP FRANKLYN

Survey Type(s):

**PROSP** 

Wo	Work Report Details:									
Cla	im#	Perform	Perform Approve	Applied	Applied Approve	Assign	Assign Approve	Reserve	Reserve Approve	Due Date
тв	1204947	\$426	\$426	\$4,800	\$4,800	\$0	0	\$0	\$0	2006-APR-29
тв	1204950	\$0	\$0	\$3,825	\$3,825	\$0	0	\$0	\$0	2006-DEC-04
ТВ	1205012	\$1,293	\$1,293	\$0	\$0	\$1,293	1,293	\$0	\$0	2006-MAR-10
TB	1205082	\$1,724	\$1,724	\$0	\$0	\$1,724	1,724	\$0	\$0	2006-JUN-09
TB	1205084	\$862	\$862	\$0	\$0	\$862	862	\$0	\$0	2006-JUN-09
тв	1210760	\$3,458	\$3,458	\$0	\$0	\$3,458	3,458	\$0	\$0	2006-AUG-06
TB	1232680	\$862	\$862	\$0	\$0	\$862	862	\$0	\$0	2006-MAY-08
		\$8,625	\$8,625	\$8,625	\$8,625	\$8,199	\$8,199	\$0	\$0	•

**External Credits:** 

\$0

Reserve:

\$0 Reserve of Work Report#: W0140.00111

\$0

Total Remaining

Status of claim is based on information currently on record.



ELMHIRST



## **Work Report Summary**

Transaction No:

W0140.00109

Status: APPROVED

Recording Date:

2001-APR-10

Work Done from: 1999-JUN-01

Approval Date:

2001-JUL-04

to: 1999-SEP-15

Client(s):

118802

CLARKE, LEROY RICHARD

146058

HOUGHTON, FRANKLIN ALFRED

146061

HOUGHTON, PHILIP FRANKLYN

Survey Type(s):

**ASSAY** 

**PMAN** 

**PSTRIP** 

Wo	rk Report D	etails:								
Clai	m#	Perform	Perform Approve	Applied	Applied Approve	Assign	Assign Approve	Reserve	Reserve Approve	Due Date
ТВ	1204947	\$2,570	\$2,570	\$0	\$0	\$2,570	2,570	\$0	\$0	2004-APR-29
ТВ	1204950	\$0	\$0	\$7,375	\$7,375	\$0	0	\$0	\$0	2005-DEC-04
ТВ	1205012	\$7,710	\$7,710	\$0	\$0	\$7,710	7,710	\$0	\$0	2006-MAR-10
ТВ	1205082	\$15,420	\$15,420	\$18,000	\$18,000	\$0	0	\$0	\$0	2006-JUN-09
ТВ	1205084	\$2,570	\$2,570	\$6,000	\$6,000	\$0	0	\$0	\$0	2006-JUN-09
ТВ	1210760	\$20,560	\$20,560	\$9,600	\$9,600	\$3,905	3,905	\$7,055	\$7,055	2006-AUG-06
ТВ	1215312	\$2,572	\$2,572	\$2,400	\$2,400	\$0	0	\$172	\$172	2007-AUG-11
ТВ	1232680	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2006-MAY-08
		\$51,402	\$51,402	\$44,175	\$44,175	\$14,185	\$14,185	\$7,227	\$7,227	-

**External Credits:** 

\$0

Reserve:

\$7,227

Reserve of Work Report#: W0140.00109

\$7,227

**Total Remaining** 

Status of claim is based on information currently on record.



## **Work Report Summary**

**Transaction No:** 

W0140.00110

Status: APPROVED

Recording Date:

2001-APR-10

Work Done from: 1999-NOV-18

Approval Date:

2001-JUL-04

to: 1999-DEC-01

Client(s):

118802

CLARKE, LEROY RICHARD

146058 146061 HOUGHTON, FRANKLIN ALFRED HOUGHTON, PHILIP FRANKLYN

Survey Type(s):

MAG

PROSP

VLF

Wo	rk Report D	etails:								
Cla	im#	Perform	Perform Approve	Applied	Applied Approve	Assign	Assign Approve	Reserve	Reserve Approve	Due Date
тв	1205012	\$1,000	\$990	\$0	\$0	\$1,000	990	\$0	\$0	2006-MAR-10
тв	1205082	\$1,340	\$1,300	\$0	\$0	\$1,340	1,300	\$0	\$0	2006-JUN-09
ТВ	1210760	\$2,340	\$2,240	\$0	\$0	\$2,340	2,240	\$0	\$0	2006-AUG-06
ТВ	1233802	\$0	\$0	\$4,680	\$4,530	\$0	0	\$0	\$0	2002-NOV-18
		\$4,680	\$4,530	\$4,680	\$4,530	\$4,680	\$4,530	\$0	\$0	-

**External Credits:** 

\$0

Reserve:

\$0 Reserve of Work Report#: W0140.00110

\$0 Total Remaining

Status of claim is based on information currently on record.

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

Date: 2001-JUL-04



GEOSCIENCE ASSESSMENT OFFICE 933 RAMSEY LAKE ROAD, 6th FLOOR SUDBURY, ONTARIO P3E 6B5

Tel: (888) 415-9845

Fax:(877) 670-1555

FRANKLIN ALFRED HOUGHTON **BOX 164** BEARDMORE, ONTARIO P0T 1G0 CANADA

Dear Sir or Madam

Submission Number: 2.21037 Transaction Number(s): W0140.00109 W0140.00111

#### **Subject: Approval of Assessment Work**

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

If you have any question regarding this correspondence, please contact BRUCE GATES by email at bruce.gates@ndm.gov.on.ca or by phone at (705) 670-5856.

Yours Sincerely,

Ron Gashinski

Supervisor, Geoscience Assessment Office

me codin

Cc: Resident Geologist

Leroy Richard Clarke (Claim Holder)

Franklin Alfred Houghton (Claim Holder)

Franklin Alfred Houghton

(Claim Holder)

Philip Franklyn Houghton

(Claim Holder)

Assessment File Library

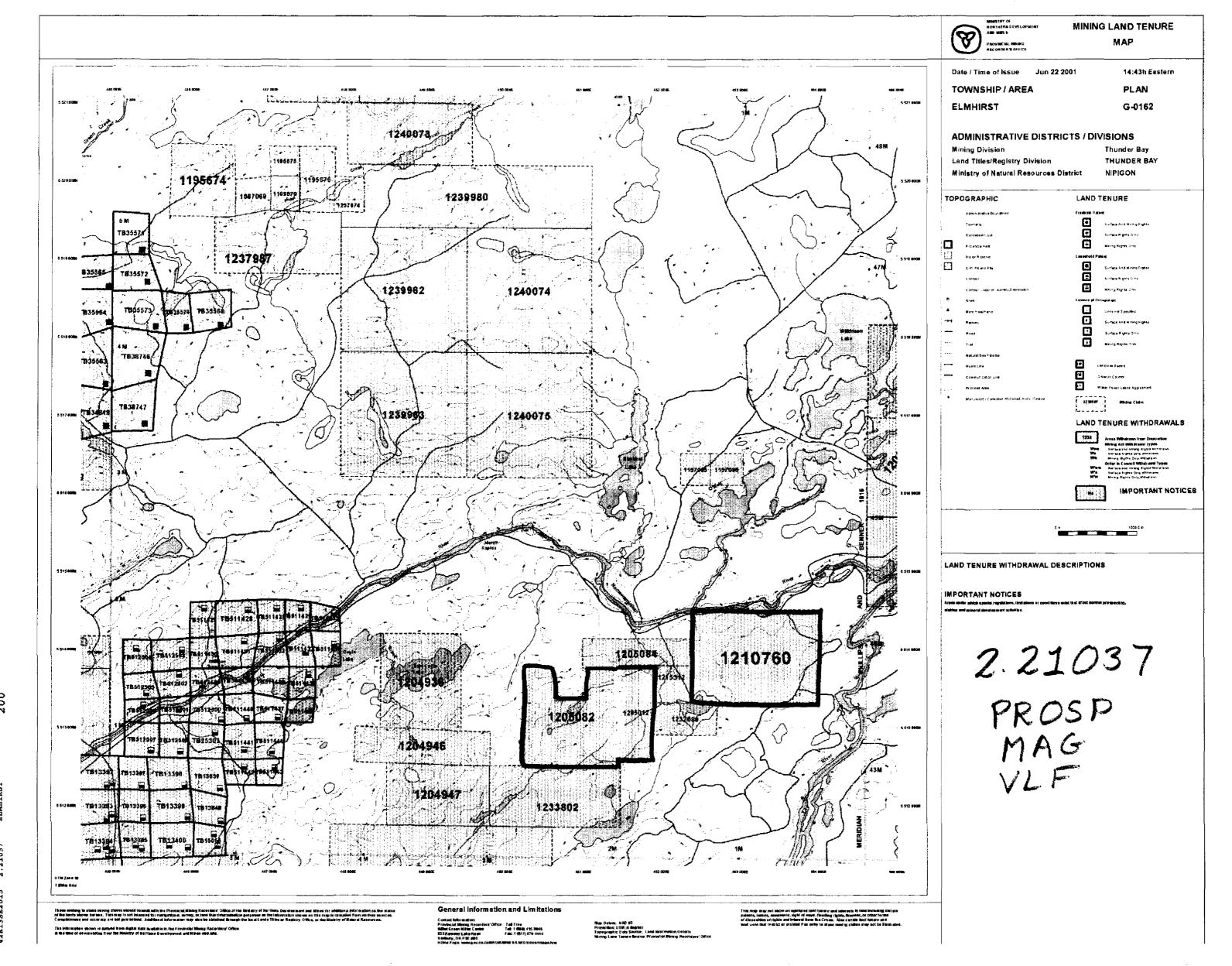
Leroy Richard Clarke (Claim Holder)

Franklin Alfred Houghton (Assessment Office)

Franklin Alfred Houghton (Assessment Office)

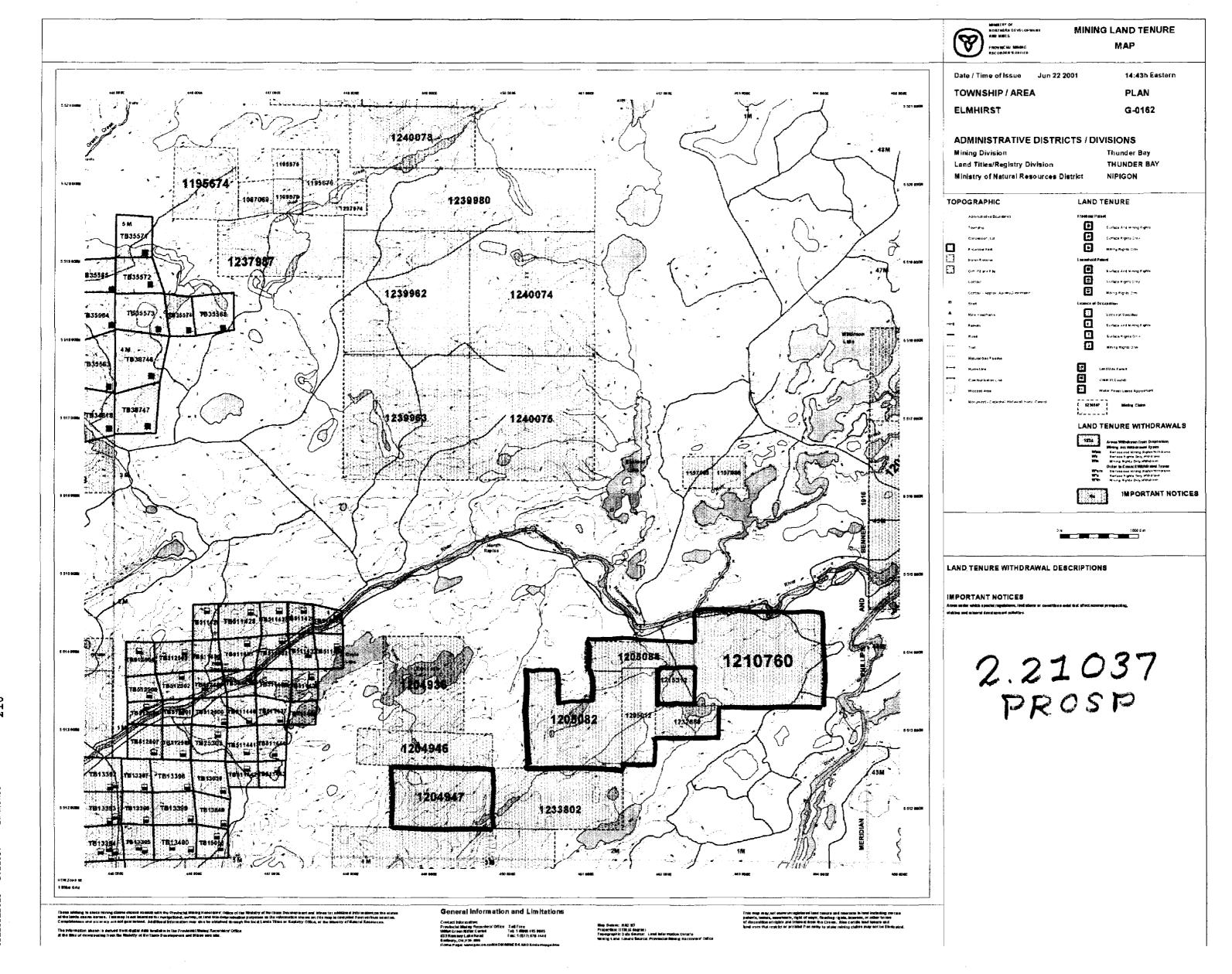
Philip Franklyn Houghton

(Claim Holder)

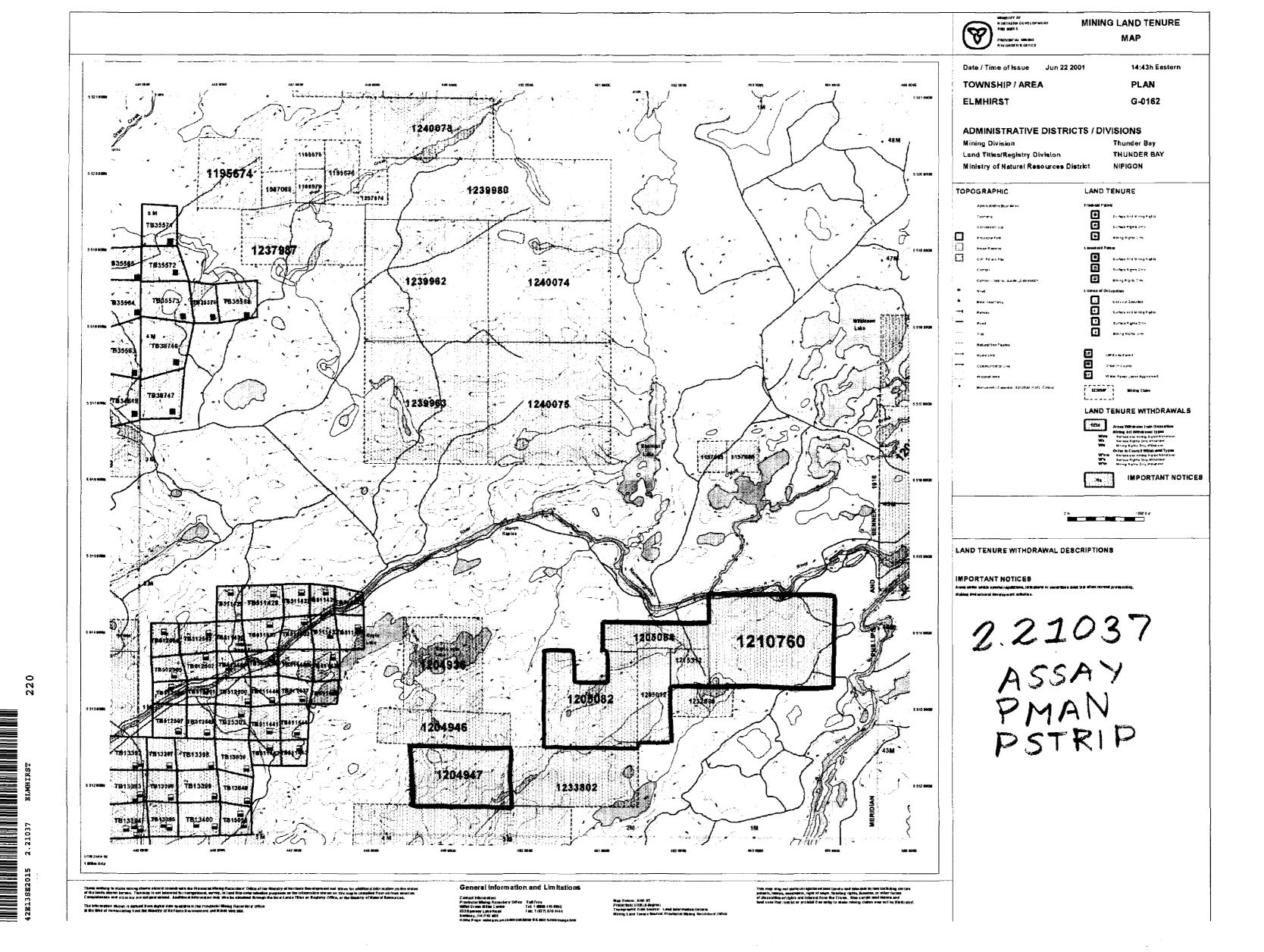


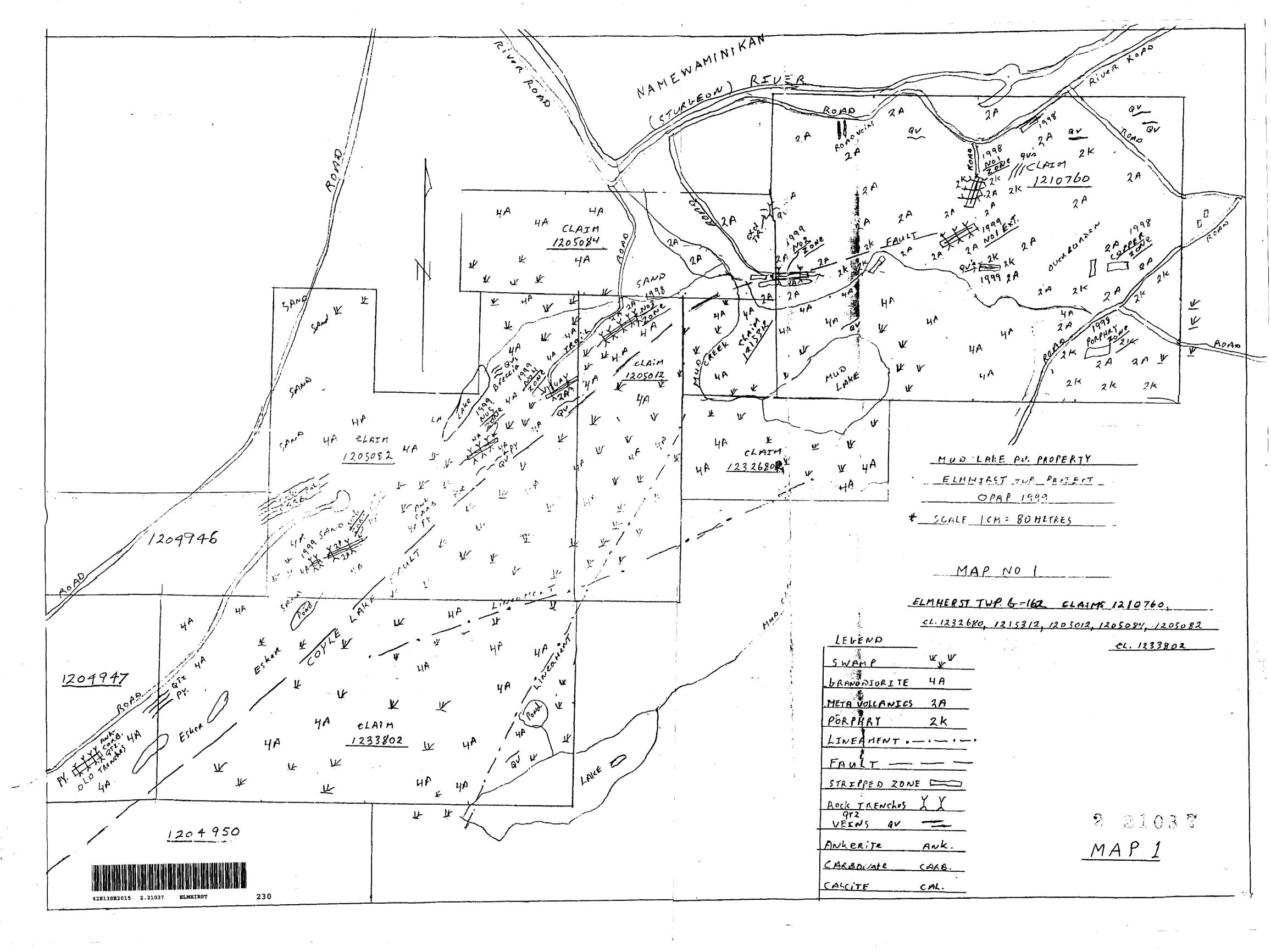


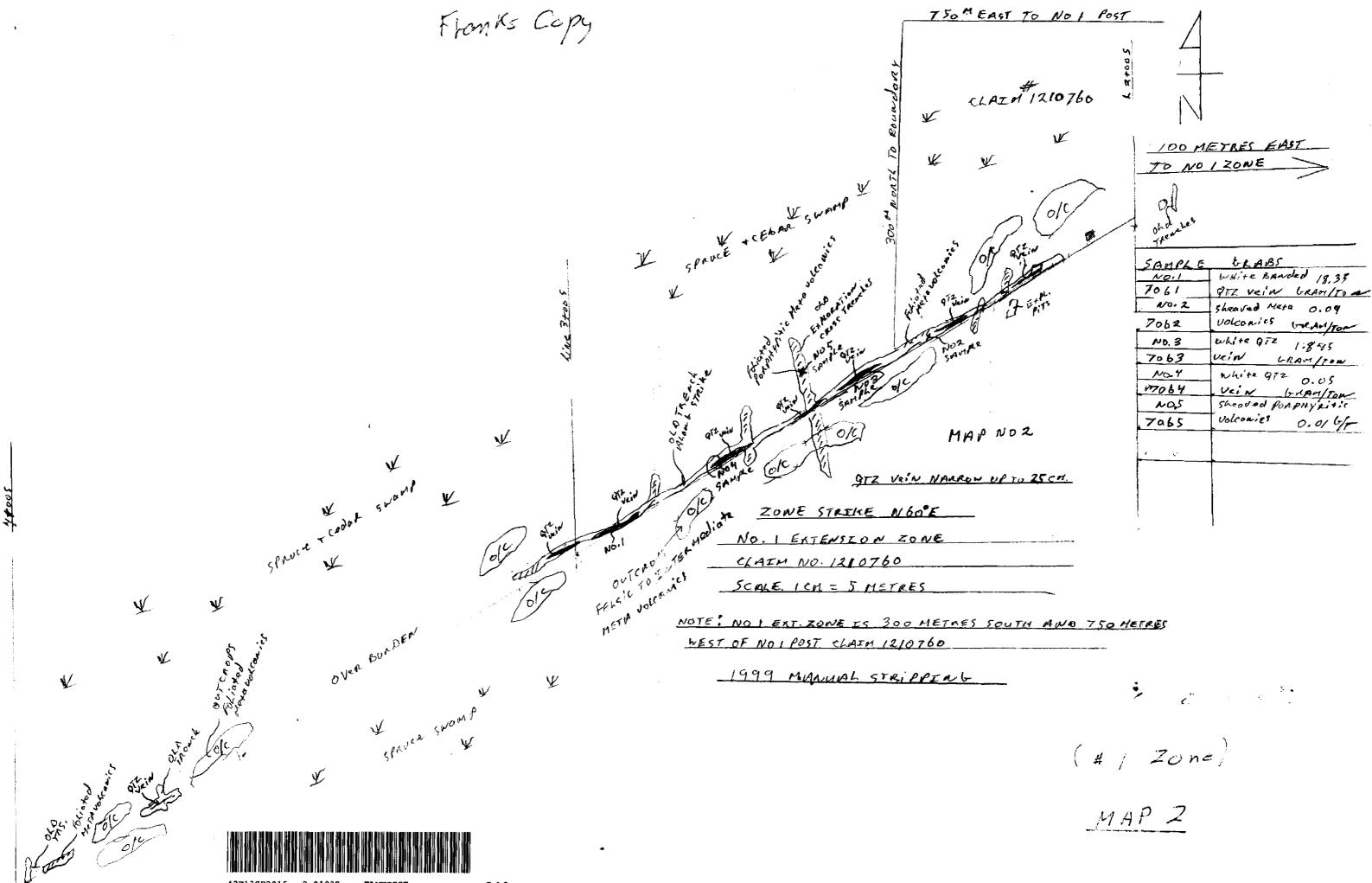


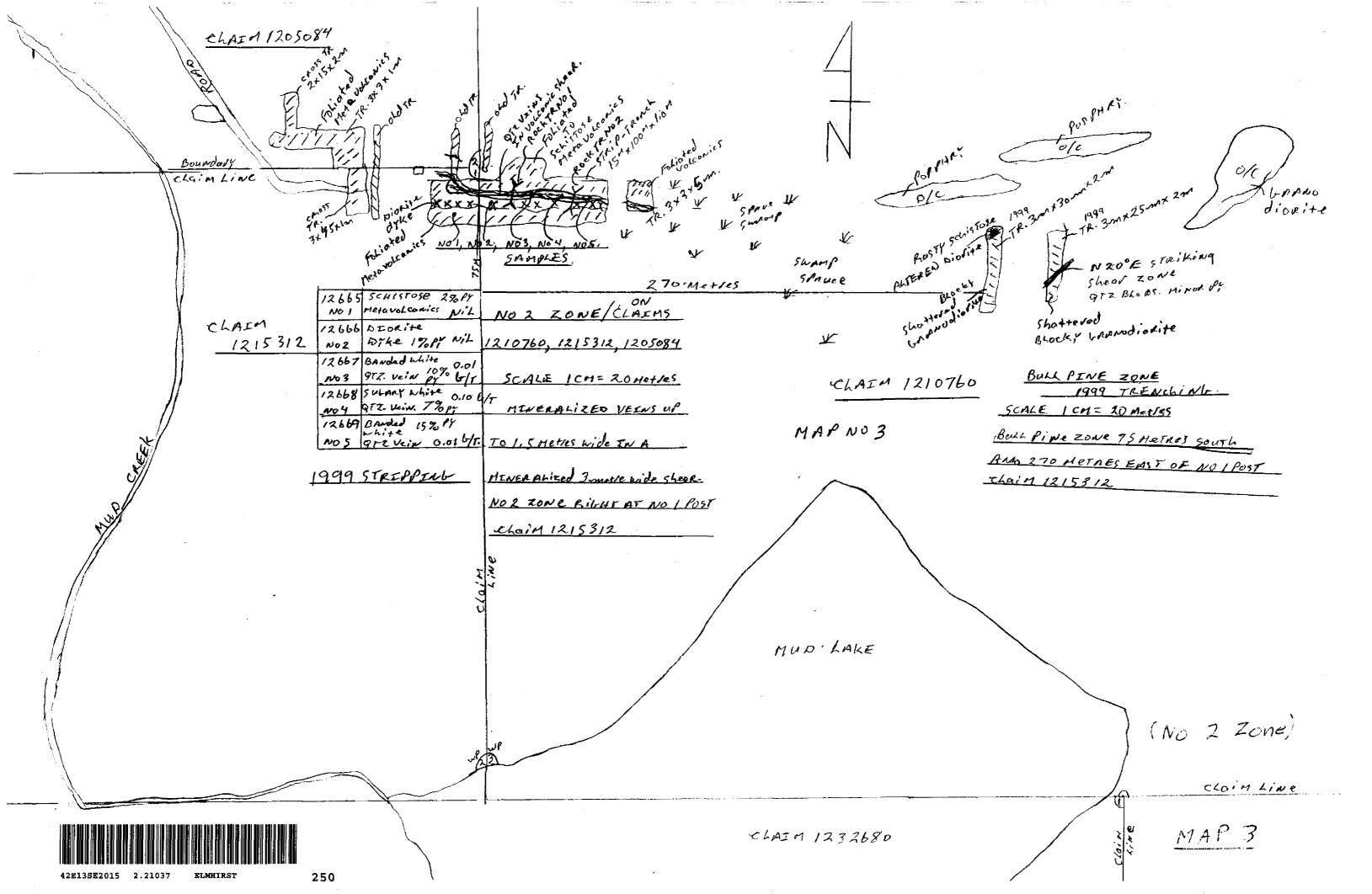


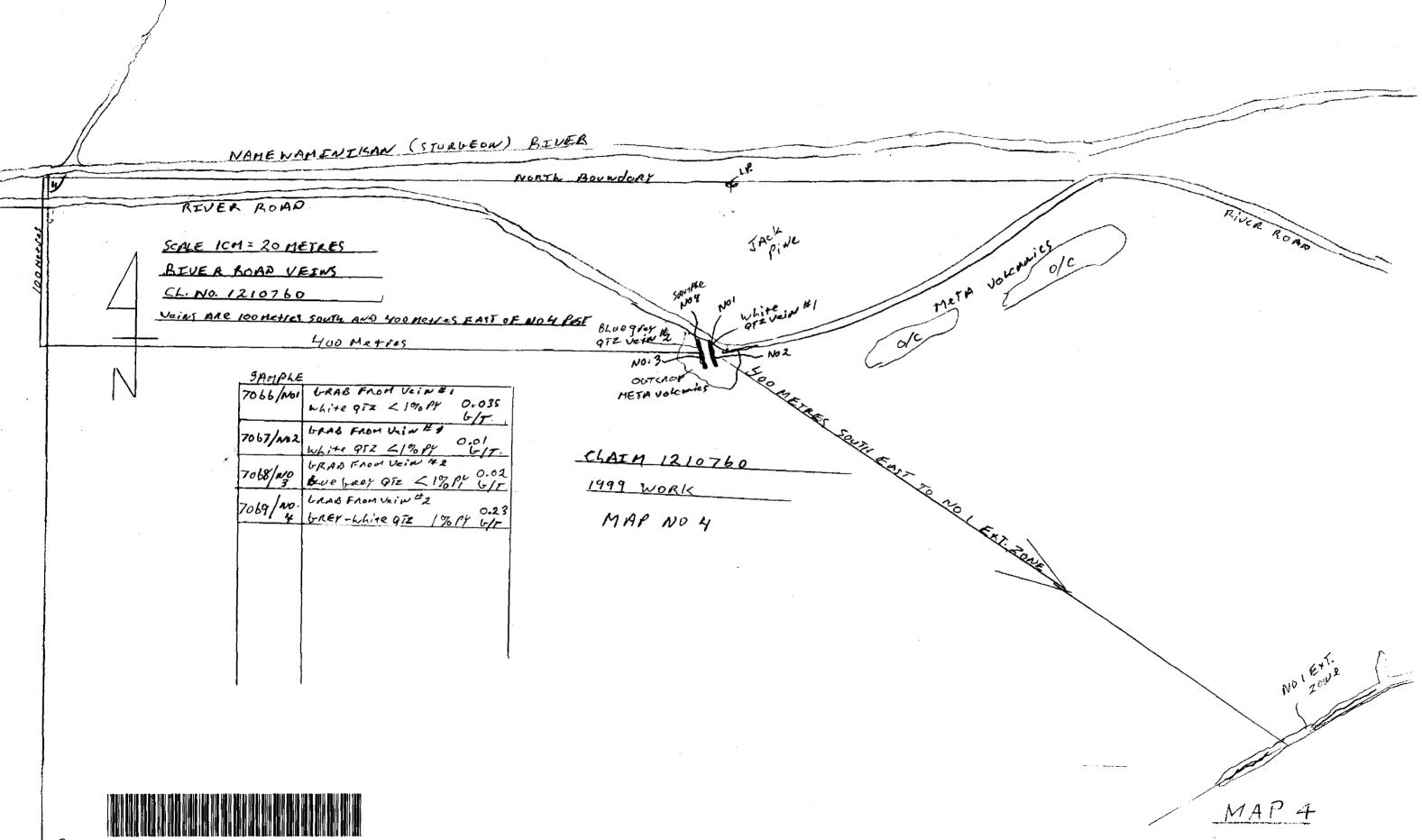
R13SR2015 2.21037







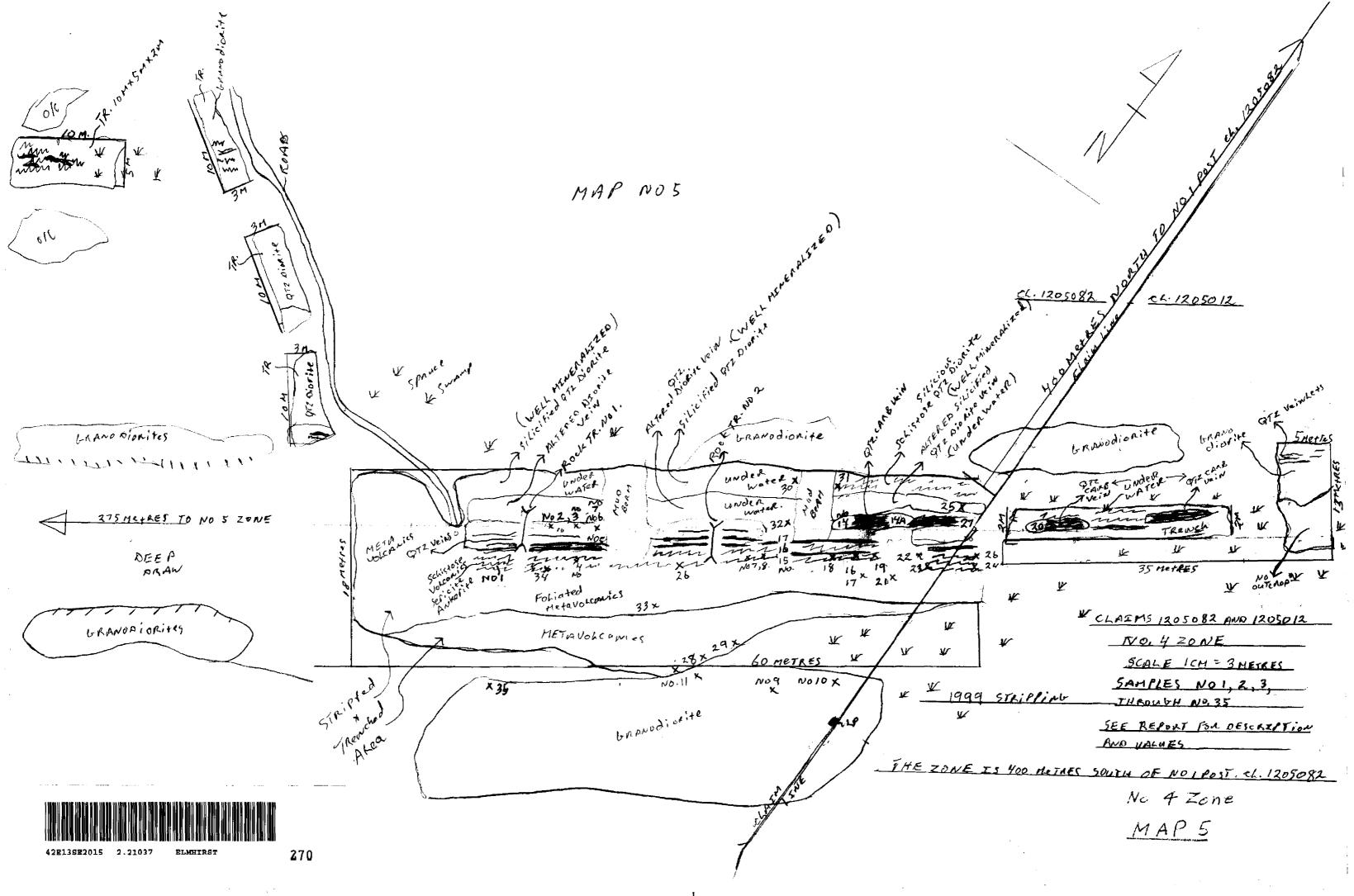


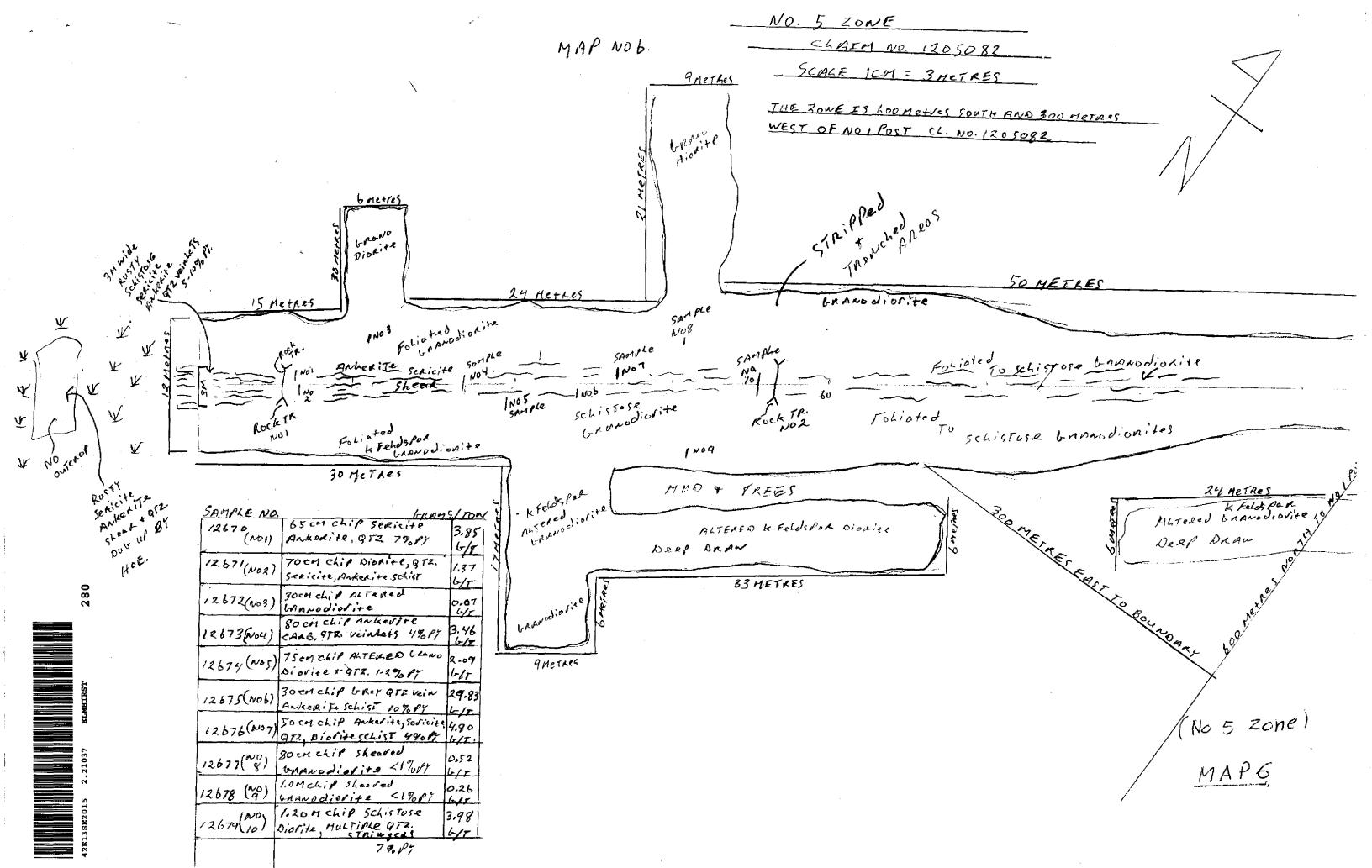


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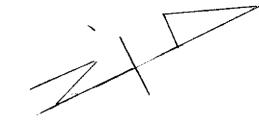
BLMHIRST

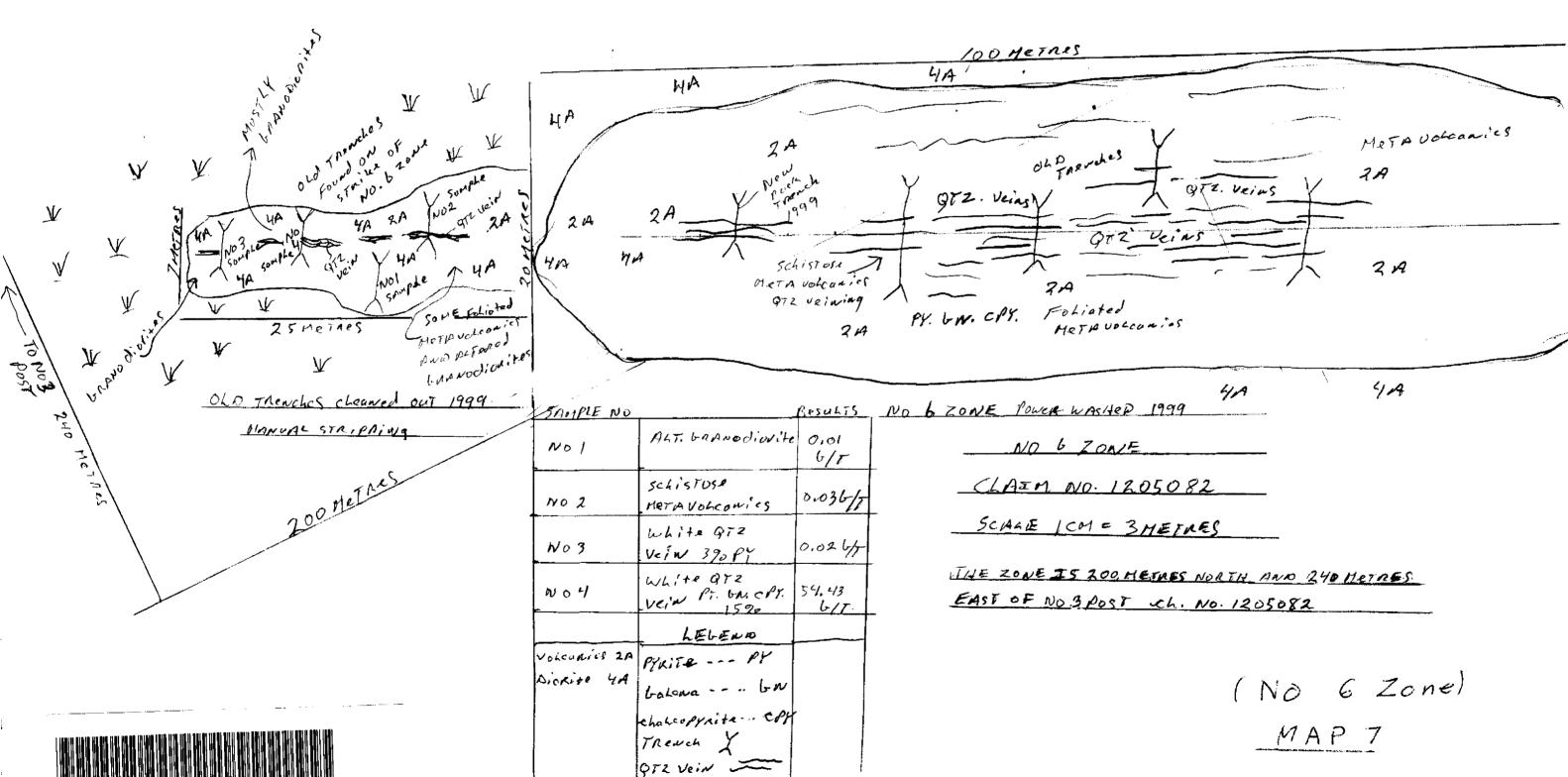
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2.21037

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