



42A02SE0003 2.13113 HOLMES

010

Assay Certificates  
and Assay ROW

Holmes Twp.

1990

**THE SUTTON-HANSON CLAIMS**

GENERAL

2.13113

Eighteen contiguous claims are located in Holmes Township. Located along a logging road two kilometres north of highway 66, between Matachewan and Kirkland Lake, the claims are easily accessed. A branch of the logging road was pushed through the centre of the block and the forest clear cut during the summer of 1989. Lake access to the eastern portion of the block is easily attainable via ~200' (~60 metre) portage. The claims are as follows:

NE $\frac{1}{4}$ -N $\frac{1}{2}$	Lot 12 Con I	1048454	NW $\frac{1}{4}$ -S $\frac{1}{2}$	Lot 11 Con II	1048461
SE $\frac{1}{4}$ -N $\frac{1}{2}$	Lot 12 Con I	1048459	SW $\frac{1}{4}$ -S $\frac{1}{2}$	Lot 11 Con II	1047209
NE $\frac{1}{4}$ -N $\frac{1}{2}$	Lot 11 Con I	1048456	SE $\frac{1}{4}$ -S $\frac{1}{2}$	Lot 11 Con II	1047208
NW $\frac{1}{4}$ -N $\frac{1}{2}$	Lot 11 Con I	1048455	SW $\frac{1}{4}$ -N $\frac{1}{2}$	Lot 11 Con II	1111077
SW $\frac{1}{4}$ -N $\frac{1}{2}$	Lot 11 Con I	1048458	SE $\frac{1}{4}$ -N $\frac{1}{2}$	Lot 11 Con II	1111076
SE $\frac{1}{4}$ -N $\frac{1}{2}$	Lot 11 Con I	1048457	NW $\frac{1}{4}$ -N $\frac{1}{2}$	Lot 10 Con II	1048464
SW $\frac{1}{4}$ -S $\frac{1}{2}$	Lot 10 Con II	1047198	SW $\frac{1}{4}$ -N $\frac{1}{2}$	Lot 10 Con II	1048463
NW $\frac{1}{4}$ -S $\frac{1}{2}$	Lot 11 Con II	1048460	NW $\frac{1}{4}$ -S $\frac{1}{2}$	Lot 12 Con I	1112092

Location: Holmes Twp.; Larder Lake Mining Division

Co-Owners: Michael Sutton K21854  
Tim Hanson K21859

Prospecting Targets: Au & Associated Ag, Molybdenum, Copper in addition to these claims, two claims that follow, also contiguous are held under lease 1/3-1/3-1/3 by Michael Sutton, Tim Hanson, and prospector Ivan Jack Dea of Timmins:

NW $\frac{1}{4}$ -N $\frac{1}{2}$	Con 12 Lot I	750778
SW $\frac{1}{4}$ -N $\frac{1}{2}$	Con 12 Lot I	641611

Claims adjoining to the East and Northeast are held under patent by Len Cunningham of Kirkland Lake, who has optioned them to Pamourex. Results of some of their drilling in the summer of 1989 in Holmes Twp. including 0.3oz over 22' were published in the Northern Miner on Dec. 25 (Vol 75, #42 - see ILLUSTRATION A)

The claims adjoining the claims on the South are held by Roger Dufresne of Kirkland Lake who has, it is our understanding, optioned them to Queenston. They carried out extensive stripping on cherty silicified veining along a showing.

GEOLOGY

The Cairo syenitic stock and its contacts with the surrounding volcanic rocks and sedimentary inlayer (both of which are located on our block (see Map #2), have been the focus of exploration for some seventy years due to two factors. First, numerous showings and occurrences are dotted throughout the area, usually associated with chalcopyrite, galena, pyrite, and molybdenum with assays up to 2.2oz Au. and 3.9oz Ag. The second reason substantiates the first. The Galer Lake fault is a major E-W striking structure that transects the Southern contact of the stock with the volcanic, eventually cutting through the stock itself. Our claim block encompasses this locally wide zone and its parallel conductive horizons. The fault itself was uncovered at site 1 (on maps 3 and 4) by Sylva. The shearing through Galer Lake is described by a report in 1957 as "nearly massive sulphides which were observed in the Talcose Schist in the form of Pyrite" along with pervasive carbonitization. The Galer Lake fault was felt by both Moore (1966) and Lovell (1967) to be the Western Extension of the Larder Lake tectonic movement (see map #1). This has been substantiated by W. Powell of Queens' University who did a structural study during the summer of 1989 and subsequently outlined his results at the Dec. 1989 Government Geological Forum in Toronto (G.S.C.?). His map (map #8) shows the Larder Lake break passing through our claims—the Galer Lake Fault.

The Cairo Stock is porphyritic but country rocks on the contact of the stock are granitized and often altered to a pink, aphanitic texture "over widths of 30'" (Sylva). This is very difficult to distinguish from the rhyolite volcanic present along the South and East. Indeed, a large outcrop along Tully Lake (at site #5), which is full of silicified pyritic zones, was mapped under the Government Survey (map #2) as syenite, wacke, and rhyolite (and coloured in as syenite), while in fact most likely it is rhyolite. Similarly there is dispute over whether the outcrop in which the Larder Lake break is exposed (site #1) is sheared syenite or rhyolite.

Mapping during the summers of 1988 and 1989 have further delineated the Geology, as found on the compilation (map #9). Besides the quite ordinary pink to red syenite with 30% mafics and grain size in the 0.01 - 0.04 metre range found in the Western portion of the claims and to the North, a porphyritic syenite with grain size up to 3cm that is red and 40 - 50% mafic, was found to be present just North of the Larder break. The contact between this and the rhyolite/sheared syenite unit could not be unearthed but the strike appears to roughly parallel the fault and the absence of alternation might point to it being an intrusive unit.

The most promising horizons for gold appear to be:

- 1) The Larder Lake break and parallel structures especially if these coincide with #2 or #3.
- 2) Trachyte-Due to its porosity evidently.
- 3) Rhyolite and its contacts with syenite and sediments.

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Veining is ubiquitous as either quartz or cherty silicified zones. All veining (Quartz, Pyrite, Silicification etc.), Fractures and foliation dips approximately 65-90° North and strikes 50-95° East-Northeast. Specifically there are two sets of silicification (with Associated Au); one at 60° strike and 60-70° dip and the other at 83° with a subvertical dip.

Alteration at the various sites includes Pyrite, Chalcopyrite, Galena, Molybdenum, Sericite, Chlorite, Quartz-Ankerite Veining, Quartz Veins and Group Veinlets, Silicification, Hematization, Fluorite, Tourmaline, and Cherty Veining.

#### GEOPHYSICS

Several conductors cross through the claims. Falconbridge, Texas Gulf, Rio Tinto, and Sylva Explorations carried out VLF-EM Surveys on different and overlapping portions of the Holmes claim block. Sylva also carried out self potential, Magnetometer, and Geochemical Surveys on "The Group of Seven: (see maps #4, 5, & 6) claims. Several important conductors were realized in the Sylva Surveys which are shown on map #5 as A, B, C, & D.

One of the strongest conductors (A) more or less follows the centre of the fault which is observable using VLF and Magnetic signature (and visually by a 50'-15 metre valley). At its strongest point, on high ground at site 2 (on maps 5&6), it correlates with a self-potential peak. This persistent anomaly has with it 3 coincident Geochemical responses of 20ppm heavy metals in organic soil. Elsewhere, unfortunately, the conductor is usually heavily overburdened. Another anomaly was delineated in the Lake and east of it (see C on map 5). "Weak but very distinctive QP Max/min Anomalies coincide with the SP Survey" which "registered some interesting readings". This also coincides with three Geochemical heavy metals responses. A North-South fault transects this conductor in the Lake. "It would appear" that this fault is "mineralized as well at the junction of the aforementioned conductor since the VLF field strength climbed to over 250%". "The SP correlation in this area rules out the possibility of it being due to Lake Sediments. Also in the high temperature environment of the Syenite stock it is probably a sulphide occurrence".

Another conductor is located at site #3 on maps #2 & #6. Here, on the road the pink "silicious Syenite forms a weak anomaly which is of interest" because it is on strike with a structure which yielded weak gold assays and is "just North of a copper showing" which was tested in earlier days. Trenching was recommended by Sylva.

In the Falconbridge VLF Survey of 1986 (map #3) a strong East-Northeast feature striking at 050" was noted. "Deflections" noted in some of the VLF zones" may represent legitimate zones at depth".

In another VLF survey, carried out by Rio Tinto in 1980 for L.J. Cunningham, conductive zones were delineated within Tully Lake and just west of Cowe Lake.

ASSAY DATA (See Map #2 for Site Locations)

Site #1 (Map #4)

At site #1 where the Larder Lake fault has been uncovered and well documented by Sylva, 3"-14" quartz veins 10 metres North of the fault were sampled and found to be in the 0.4-0.8 grams/tonne range. These white to grey veins parallel the fault in strike (60°) and dip (70° North) and contain 5% finely disseminated FeS<sub>2</sub> and abundant tourmaline. They<sup>are</sup> found within sheared aphanitic, pink siliceous rhyolites or syenite.

Site #2 (Maps #4, 5, & 6)

Site #2 is a Geophysical target delineated by, and recommended for drilling as a priority target by Sylva (see Ill. B ). The section "Geophysics" covers the site.

Site #3 (Map #6)

A pit and 5% Pyrite, Chalcopyrite, and Galena are found on this Geophysical anomaly which is described in the "Geophysics" section.

Site #4 (Map #4, & 5)

At this site which was recommended for drilling by Sylva, Syenite is grey and is banded with Chlorite, Molybdenum, Sulphides (Pyrite, Chalcopyrite, Galena) and Quartz Veinlets. Here Rio Tinto received Assays of 0.099 oz Au in two places. Power stripping proved the rocks to be very craggy, large, and deeply piled regular floats. However, the similarity of the rock types, their mafic and carbonate content and the quantity of the rock shows that the source is not far from the occurrence. When blasting was completed in the bedrock immediately South of the float similar material was found. On Assay of Pyritized carbonated rock, 0.545 oz Au was returned. On the hanging wall just to the south of the main showing, a float is found which contained similar mineralization in a boulder which gave the appearance of being near or in-situ. Three assays were obtained ranging from 0.49 to 1.134 oz Au. Our power stripping program in the summer 1989 failed to reach bedrock here or on strike further to the West (Maps 9 & 12). In one pit we received assays of 1.69, 1.36 & 1.84 grams/tonne. In this pit, a cherty Siliceous vein striking at 83° is present (coinciding with site 7 strike).

Site #5 (Map #9) & ~~#~~

At site #5, ancient trenches are present which an Assay of 0.06 oz Au. was obtained by J. Moore in 1966 for the Ontario Department of Mines. Our samples of the same trenches outlined two quartz veins, one of 1' and another 2' and many strong 1-5' shear zones. The quartz veins contain Chalcopyrite, Pyrite, and Galena. The best assay's, however of 2.7 grams (0.08oz), 2.3 grams, and 1.4 grams (20 metres away and on strike), were obtained in the Chloritic shear containing finely disseminated Pyrite. Although one shear in this pink Siliceous (Rhyolite?) rock is striking @ 95°, all others at 60°-70° and dip 72° North, Significantly 200' (~65 metres) South of the main pits over area that has yet to be stripped, is found another shear 5' wide (1.5 metres) with 10% fine FeS<sub>2</sub> that assays 0.5 to 1.0 gram/tonne.

Site #6 (Maps #7 & #11)

Trenching revealed Pyrite fault gouge in a major fracture which assayed 0.396 oz/ton (see MAP #11). Other fractures also give values. Interestingly, 20 metres to the North a parallel rusted zone gave anomalous values. Stripping is required to further understand this area. The Syenites are relatively unaltered otherwise here except for fluorite and hematite locally. Grabs taken by Comstate Resources in August 1984, returned 4800 ppb.

Site #7 (Map #5, 6, & 12).

At this location, on 60° strike with site #5 to the East and sites #3 & #6 to the West, a Siliceous and Chloritic shear containing abundant Pyrite was uncovered and sampled. It and the enclosing trachyte assayed 0.3-1.0 grams/tonne Au. along the logging road, an ancient trench was uncovered and it too contains Trachyte. The width of this unit, based on these outcrops is at least 300 metres. Further along the road, a large square boulder of cherty, dark grey silicification carrying 5-10% finely disseminated Pyrite and measuring 0.4 X 0.4 X 0.4 metres assayed 4.49 & 4.03 grams/tonne. Other larger (up to 3 metres) blocks carry assays in the 1.46 gram/tonne range and carry the same Silicification, Pyrite, and Trachyte as in outcrop; power stripping shows the bedrock here to be broken up because of severe alternation (all rusty) and weathering-bulldozing simply continues to breakup the bedrock along weaknesses. Still further West along the road, a large cherty Silicified vein was uncovered over 30 metre strike length, again in Trachyte but this time striking at 83°. Assays in the 1 gram/tonne were realized almost ubiquitously.

Site 8

On the West shore of Geraldine Lake, in the Southeast quarter of the North half of Lot 10, Concession II, trenching has exposed in a Syenite Porphyry, a 4' wide sheared zone that contains veinlets of quartz, disseminated FeS<sub>2</sub>, and traces of Chalcopyrite. Grabs returned 0.10 oz Au and 0.79% Cu. This coincides with VLF conductor of Rio Tinto already described.

Site 9

This as yet has not been investigated but is on the other Rio Tinto conductor. Again this site is shown on Map #2.



Established 1928

# Swastika Laboratories

A Division of Assayers Corporation Ltd.

Assaying - Consulting - Representation

## Certificate of Analysis


Certificate No. 76097

Date Sept. 6, 1989

Received Sept. 5, 1989 1 Rock Samples

Submitted by Mr. Michael Sutton, Kirkland Lake, Ontario.

SAMPLE NO.	GOLD Oz/ton
Galer Road Pit	0.396/0.376

Per   
G. Lebel - Manager /ns







**AMERICAN BARRICK RESOURCES CORPORATION**


Holt-McDermott Mine  
P.O. Box 278, Kirkland Lake, Ont., P2N 3H7

**Assay Certificate**

No. of Determinations: 13  
Lab ID: 89002-1m

Date: Oct. 02, 1989  
Acct. No.: Mike Sutton

<u>SAMPLE</u>	g/t Au	<u>SAMPLE</u>	g/t Au	<u>SAMPLE</u>	g/t Au
M-3	0.63				
4	0.71				
5	0.45				
8	0.29				
9	0.76				
10	0.45				
11	0.54				
12	0.26				
13	1.04				
14	0.60				
15	1.10				
16	0.80				
18	0.48				

  
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Signed



**AMERICAN BARRICK RESOURCES CORPORATION**

Holt-McDermott Mine  
P.O. Box 278, Kirkland Lake, Ont., P2N 3H7

**Assay Certificate**

No. of Determinations: 12  
Lab ID: 89012-1m

Date: Oct. 12, 1989  
Acct. No.: McDermott

<u>SAMPLE</u>	g/t Au	<u>SAMPLE</u>	g/t Au	<u>SAMPLE</u>	g/t Au
M 1	0.31				
2	0.45				
7	0.26				
17	0.74				
21	0.41				
22	0.52				
23	0.84				
24	0.35				
25	0.54				
26	1.46				
43	0.16				
44	0.90				



Signed *MR*



**AMERICAN BARRICK RESOURCES CORPORATION**

Holt-McDermott Mine  
P.O. Box 278, Kirkland Lake, Ont., P2N 3H7

**Assay Certificate**

No. of Determinations: 11  
Lab ID: 89019-1m

Date: Oct. 19, 1989  
Acct. No.: Mike

<u>SAMPLE</u>	g/t Au	<u>SAMPLE</u>	g/t Au	<u>SAMPLE</u>	g/t Au
M 60	0.39				
M 70	0.51				
71	0.17				
72	1.80				
73	0.68				
74	0.29				
75	0.69				
76	0.70				
77	0.46				
78	0.79				
79	0.71				

  
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Signed

**BARRICK**

**AMERICAN BARRICK RESOURCES CORPORATION**

Holt-McDermott Mine  
P.O. Box 278, Kirkland Lake, Ont., P2N 3H7

**Assay Certificate**

No. of Determinations: 4  
Lab ID: 89N14-1M

Date: Nov. 14, 1989  
Acct. No.: Mike

<u>SAMPLE</u>	g/t Au	<u>SAMPLE</u>	g/t Au	<u>SAMPLE</u>	g/t Au
M-81	4.03 f				
92	3.13 f				
93	0.32				
94	0.54				

  
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Signed



**AMERICAN BARRICK RESOURCES CORPORATION**


Holt-McDermott Mine  
P.O. Box 278, Kirkland Lake, Ont., P2N 3H7

**Assay Certificate**

No. of Determinations: Au:29 Ag:19  
Lab ID: 89D13-1m

Date: Dec. 13, 1989  
Acct. No.: Exploration

<u>SAMPLE</u>	g/t Au	g/t Ag
M 001	0.30	
02	0.21	
03	0.14	
04	0.08	
05	0.17	
06	0.09	
07	0.09	
08	0.10	
09	0.08	
10	0.09	
11	0.27	1.1
12	0.09	1.1
13	0.17	1.2
14	2.21	1.1
15	0.44	0.9
16	0.24	0.8
17	1.03	0.9
18	0.80	0.8
19	0.12	0.6
20	0.35	0.9
21	0.36	0.8
22	0.54	0.8
23	0.27	0.8
24	1.83	0.7
25	0.34	0.6
26	0.28	0.4
27	0.24	0.6
28	0.77	0.6
29	0.40	0.4

  
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Signed

**BARRICK**

**AMERICAN BARRICK RESOURCES CORPORATION**

Holt-McDermott Mine  
P.O. Box 278, Kirkland Lake, Ont., P2N 3H7

**Assay Certificate**

No. of Determinations: 71  
Lab ID: 89D18-2m

Date: Dec. 18, 1989  
Acct. No.: Exploration

<u>SAMPLE</u>	<u>g/t Au</u>	<u>SAMPLE</u>	<u>g/t Au</u>	<u>SAMPLE</u>	<u>g/t Au</u>
M 030	0.07	M 062	0.39	M 069	1.12
31	0.21	63	0.34	70	0.64
32	0.09	64	0.22	71	0.43
33	0.07	65	0.68	72	0.32
34	0.12	66	0.47	73	0.39
35	0.08	67	0.06	74	1.05
36	0.06	68	0.05	75	0.52
37	1.52			76	0.45
38	0.12			77	3.47
39	1.55			78	0.07
40	0.09			79	0.38
41	0.30			80	0.06
42	0.39			81	0.34
43	0.56			82	0.03
44	0.15			83	0.38
45	0.19			84	0.75
46	0.17			85	0.29
47	0.10			86	0.46
48	0.44			87	0.10
49	0.43			88	0.61
50	0.10			89	0.07
51	0.06			90	0.46
52	0.27			91	0.10
53	1.52			92	0.09
54	0.58			93	0.12
55	0.17			94	0.12
56	0.91			95	5.62
57	0.84			96	0.08
58	0.86			97	0.42
59	0.31			98	0.09
60	0.49			99	0.15
61	0.63			M 100	0.40

  
Signed

**BARRICK**

**AMERICAN BARRICK RESOURCES CORPORATION**

Holt-McDermott Mine  
P.O. Box 278, Kirkland Lake, Ont., P2N 3H7

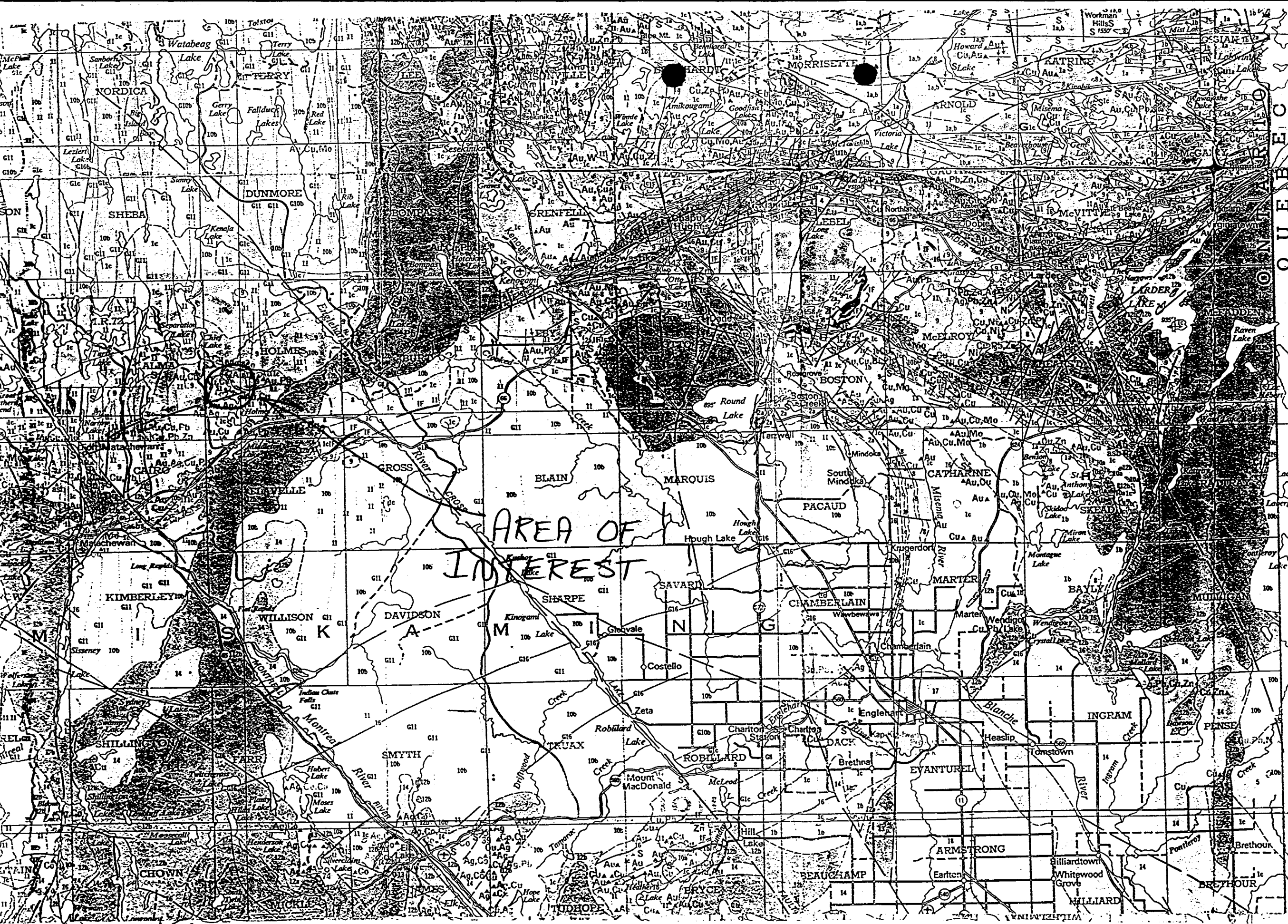
**Assay Certificate**

No. of Determinations: 84  
Lab ID: 89D18-1m

Date: Dec. 18, 1989  
Acct. No.: Exploration

<u>SAMPLE</u>	g/t Au	<u>SAMPLE</u>	g/t Au	<u>SAMPLE</u>	g/t Au
M 401	0.44	M 433	0.21	M 465	0.25
02	0.12	34	0.16	66	0.13
03	0.12	35	0.14	67	0.11
04	0.11	36	0.29	68	0.23
05	0.19	37	0.27	69	0.29
06	0.14	38	0.16	70	0.06
07	0.17	39	0.23	71	0.10
08	1.18	40	0.19	72	0.08
09	0.98	41	0.18	73	0.08
10	0.10	42	0.07	74	0.08
11	0.44	43	0.16	75	0.06
12	0.18	44	0.19	76	0.04
13	1.08	45	0.16	77	0.05
14	0.13	46	0.12	78	0.06
15	0.29	47	0.36	79	0.08
16	0.09	48	0.16	80	0.05
17	0.19	49	0.04	81	0.03
18	0.41	50	0.11	82	0.07
19	1.22	51	0.10	83	0.05
20	1.53	52	0.34		
21	1.23	53	0.08	M 500	0.24
22	0.18	54	0.20		
23	0.88	55	0.07		
24	0.39	56	0.13		
25	0.85	57	0.15		
26	1.58	58	0.07		
27	0.60	59	0.11		
28	0.36	60	0.06		
29	0.56	61	0.15		
30	0.17	62	0.13		
31	0.75	63	0.75		
32	0.27	64	0.51		

*ADK*  
\_\_\_\_\_  
Signed



AREA OF INTEREST

- 9 Syenite, monzonite porphyry
- 8 Gabbro, diorite, lamprophyre
- 7 Peridotite, dunite, serpentinite
- INTRUSIVE CONTACT
- 6 Metasediments
- 5 Greywacke, siltstone, and minor pebble congl.
- 4 Trachyte, leucitic tuff, breccia
- 3 Serpentinized dunitic tuff flows
- 2 Unsubdivided, Pyroclastic rocks, Flows
- 1 Unsubdivided, Intermediate flows, Intermediate pyroclastic, Mafic flows and pyroclastic
- IF Iron formation and ferruginous chert (occurs as a member, units 1, 2, 4, and 5)
- S Sulphide mineralization

<sup>a</sup> Formerly classified as Nipissing in part  
<sup>b</sup> North-trending dikes are part of Matac  
<sup>c</sup> Formerly classified as Algoman  
<sup>d</sup> Several ages; some units appear to be equivalents of volcanic formations with postdate volcanism  
<sup>e</sup> Formerly classified as Huronian  
<sup>f</sup> May in part be composed of ultramafic  
<sup>g</sup> Rocks in these groups are subdivided and the order does not necessarily imply relationship within or among groups  
<sup>h</sup> Formerly classified as Timiskaming  
<sup>i</sup> Formerly classified as Keewatin  
<sup>k</sup> Probably composed mainly of ultramafic may include some sills

The letter "G" preceding a rock unit number indicates interpretation from cal data in drift covered areas.

- SYMBOLS**
- Geological boundary
  - Synclinal axis

PRODUCING MINES

MAP#1



18 CLAIMS

H O L M E S

A L M A

TWP

LEASES FORTHCOMING

0.4 OZ Au Cu  
x 4200 PPM 3710 PPM

CONDUCTORS

VOLCANIC

HIGHWAY 66 TO KIRKLAND LAKE

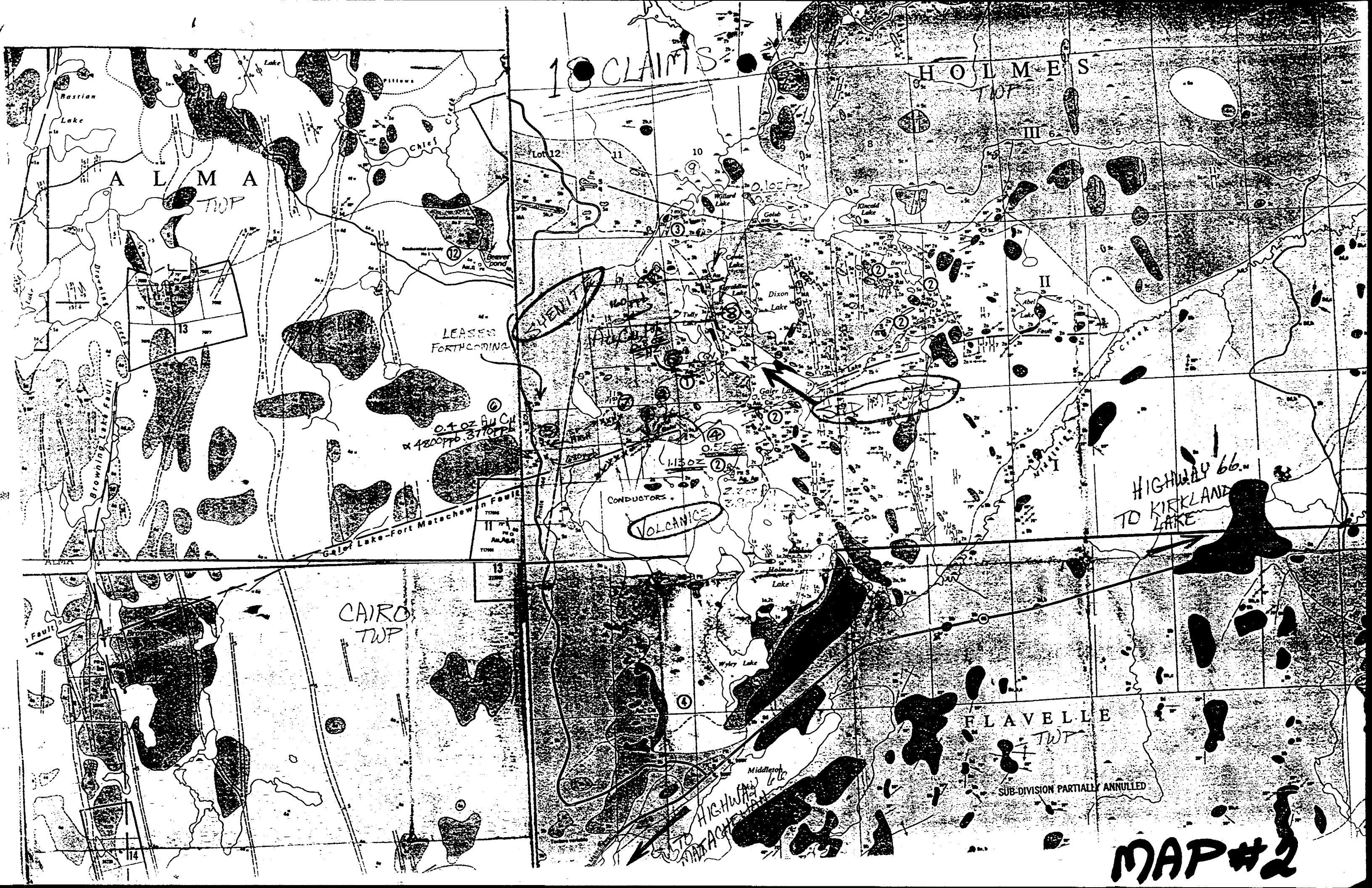
CAIRO TWP

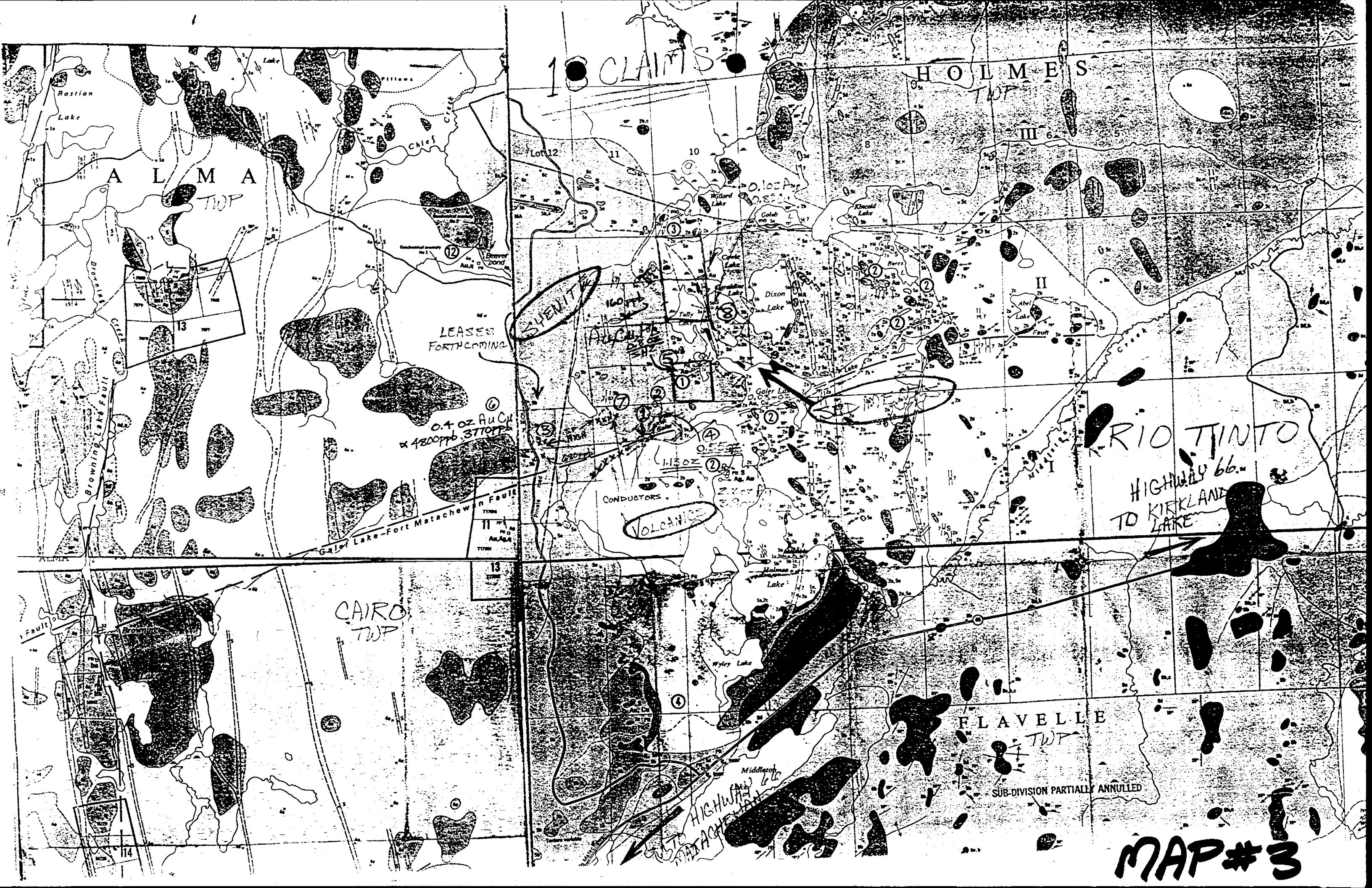
FLAVELLE

TWP

SUB-DIVISION PARTIALLY ANNULLED

MAP #2





10 CLAIMS

HOLMES TWP

ALMA TWP

CAIRO TWP

FLAVELLE TWP

RIO TINTO

HIGHWAY 66 TO KIRKLAND LAKE

LEASES FORTHCOMING

VOLCANIC

CONDUCTORS

SUB-DIVISION PARTIALLY ANNULLED

MAP # 3

0.4 oz Au Cu  
x 4800ppb, 3700ppb

1.13 oz

0.55

SHENIT

1600 ft

1000 ft

500 ft

200 ft

100 ft

50 ft

25 ft

12.5 ft

6.25 ft

3.125 ft

1.5625 ft

0.78125 ft

0.390625 ft

0.1953125 ft

0.09765625 ft

0.048828125 ft

0.0244140625 ft

0.01220703125 ft

0.006103515625 ft

0.0030517578125 ft

0.00152587890625 ft

Lot 12

11

10

13

13

13

12

11

10

9

8

7

6

5

4

3

2

1

III

II

I

Rastian Lake

Lake

Chief Creek

Beaver Pond

Willard Lake

Gold Lake

Kincaid Lake

Cook Lake

Corral Lake

Dixon Lake

Tully Lake

Galer Lake

Holmes Lake

Wiley Lake

Middleton Lake

Abel Lake

Blowing Rock Lake

Blowing Rock Lake

Blowing Rock Lake

Blowing Rock Lake

Blowing Rock Lake

Blowing Rock Lake

Blowing Rock Lake

Blowing Rock Lake

Blowing Rock Lake

Blowing Rock Lake

Blowing Rock Lake

Blowing Rock Lake

Blowing Rock Lake

Blowing Rock Lake

Blowing Rock Lake

Blowing Rock Lake

Blowing Rock Lake

Blowing Rock Lake

Blowing Rock Lake

Blowing Rock Lake

Sylva Explorations Limited


"GROUP OF SEVEN"


for

G.L. TAMAN

BULLDOZING + BLASTING SKETCH


① - Zone (see written)

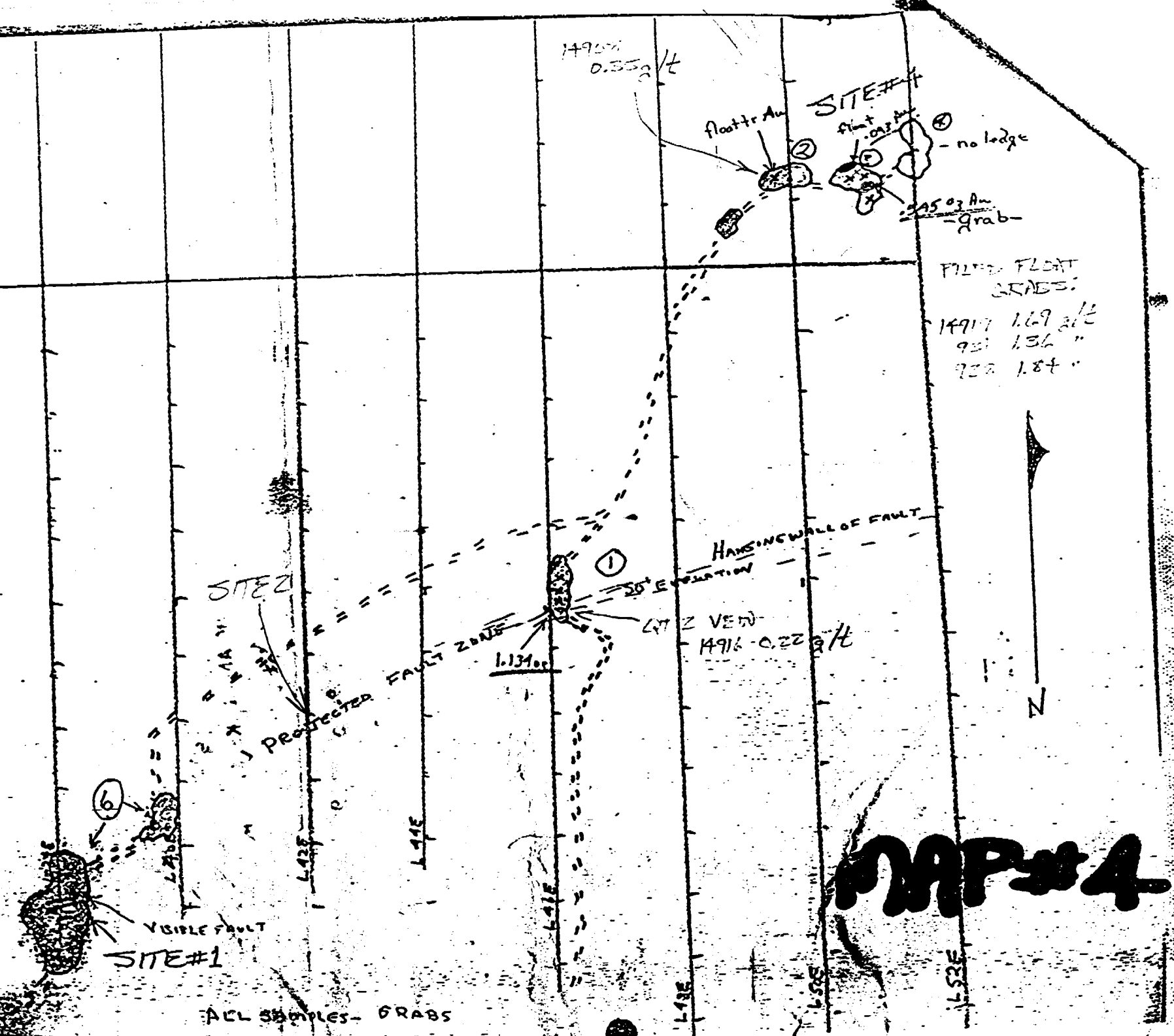
 BULLDOZED AREA - LEDE

 NO LEDGE REACHED

X = LOCATION OF PIT OR SMALL TRENCH

=== BULLDOZER TRAIL (ONLY)

 VISIBLE FAULTING



FILTED FLINT GRABS:

14917	1.69	212
951	1.36	"
952	1.84	"

ALL SAMPLES - GRABS

**MAP #4**



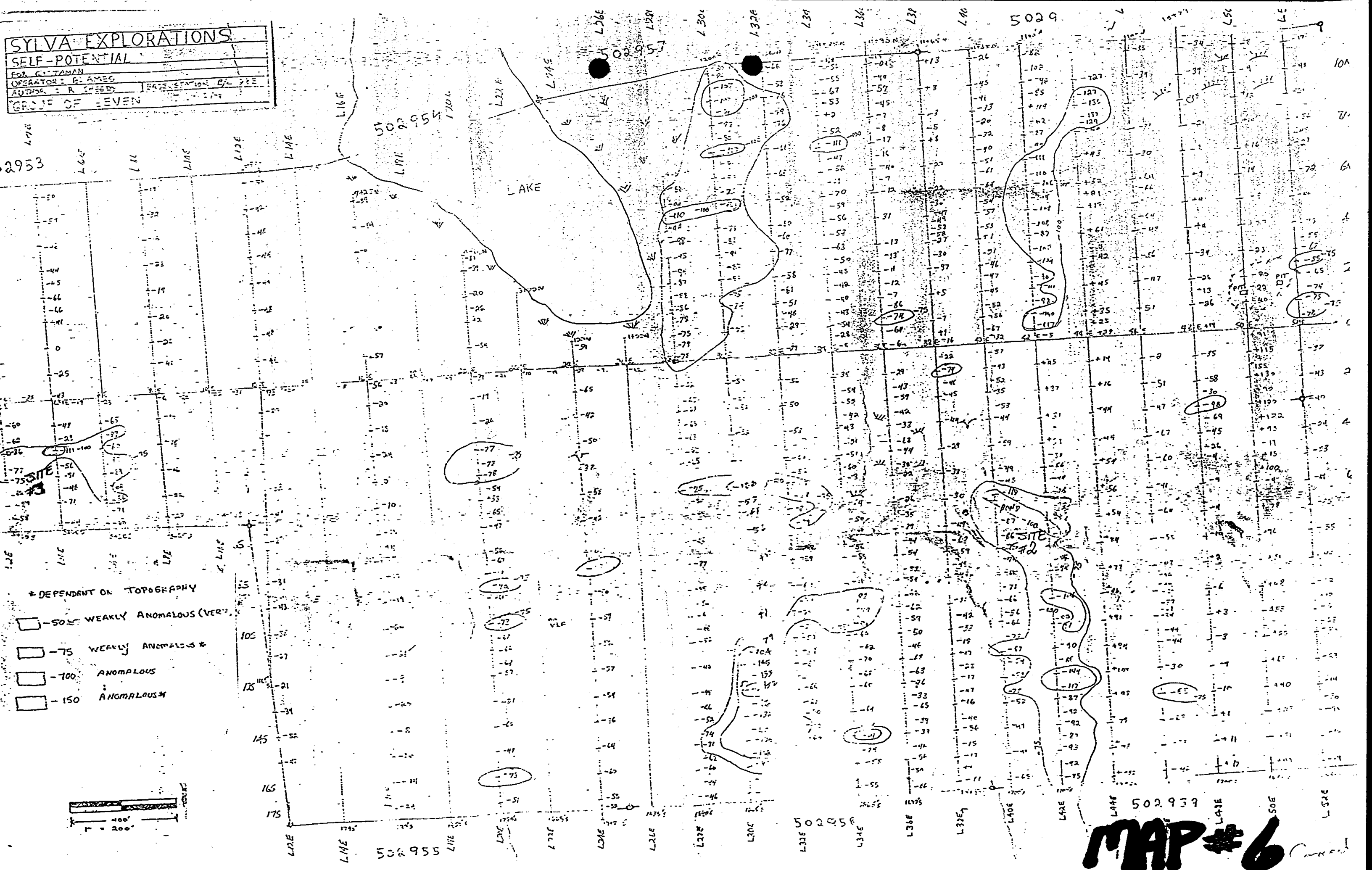
SITE #2

MAP#5

SYLVA EXPLORATION

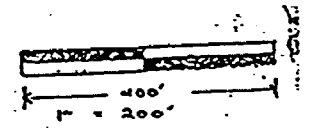
**SYLVA EXPLORATIONS**  
**SELF-POTENTIAL**  
 FOR C. TAMAN  
 OPERATOR: B. AMES  
 AUTHORITY: R. GREEDY  
 GRADE OF SEVEN

2953

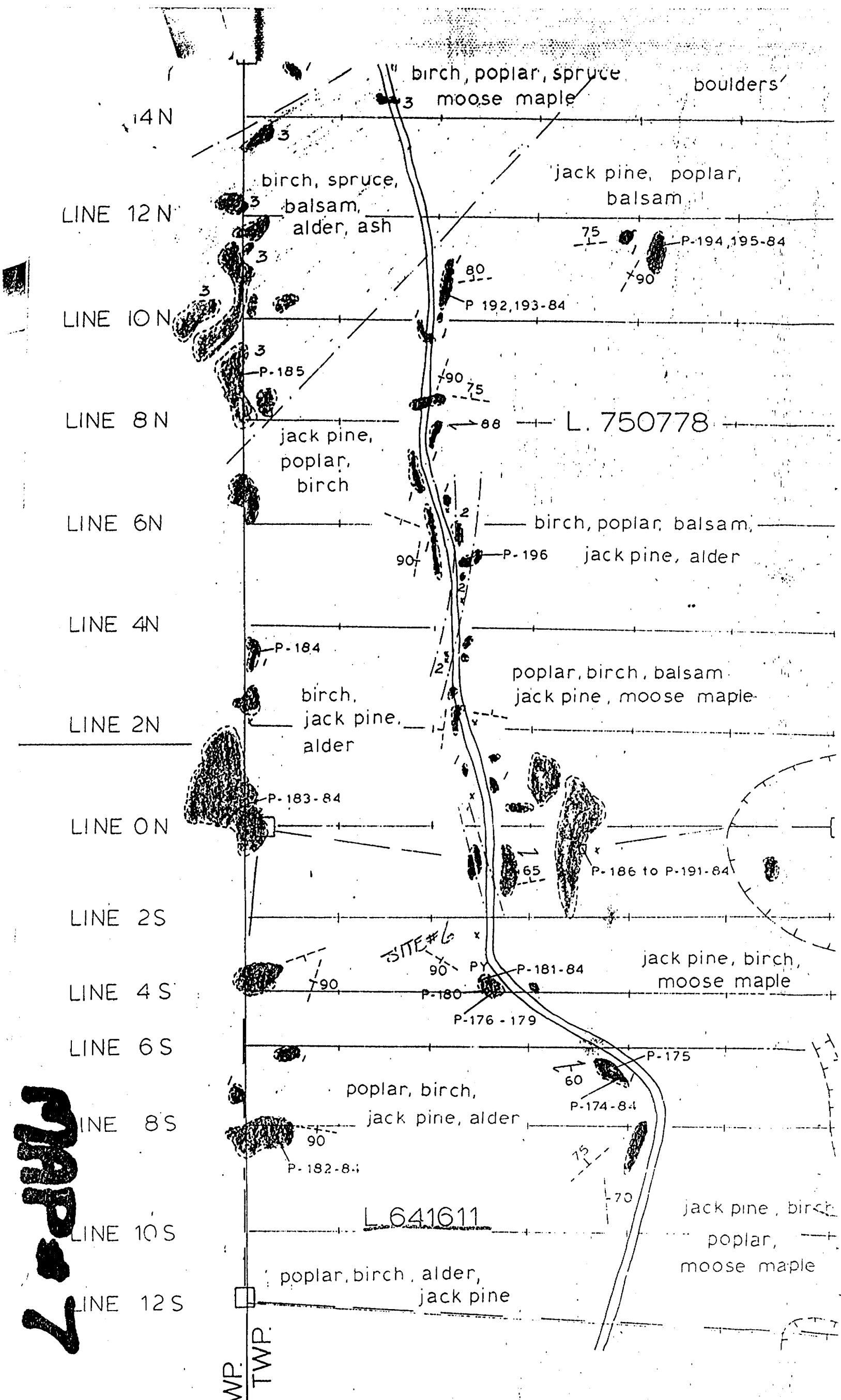


\* DEPENDANT ON TOPOGRAPHY

- -50 WEAKLY ANOMALOUS (VER)
- -75 WEAKLY ANOMALOUS\*
- -100 ANOMALOUS
- -150 ANOMALOUS\*

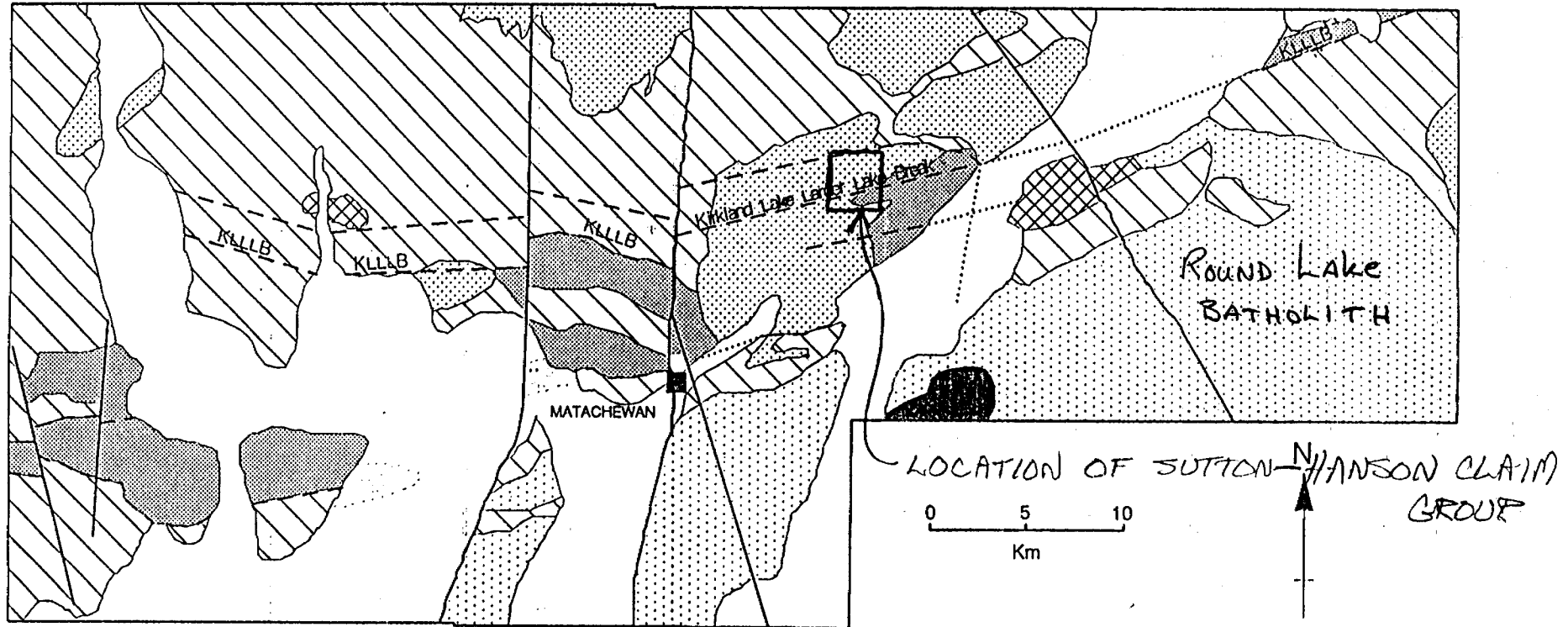


**MAP #6**





**Map 7**






# GENERAL GEOLOGY OF THE MATACHEWAN AREA







## PROTEROZOIC

-  NIPISSING DIABASE SILL
-  GOWGANDA FM. SEDIMENTS

## ARCHEAN

-  ROUND LAKE BATHOLITH
-  SYENITE & GRANODIORITE STOCKS
-  MAFIC SILLS
-  TIMISKAMING GP.
-  VOLCANIC ROCKS

## DEFORMATION ZONES

-  THRUST FAULT
-  SLATY CLEAVAGE FORMED ABOVE THRUST FAULTS
-  NORMAL FAULT
-  ZONE OF ERRATIC BEDDING

W. POWELL, QUEEN'S UNIVERSITY

**MAP # 8**

# Classified

**Small Ads** — One insertion \$3.90 per printed line; three or more consecutive insertions, same advertisement, \$3.40 per printed line. Minimum charge: \$23.40 per insertion. Approximately five words to a printed line.

**Classified Display** — \$3.50 per agate line (14 agate lines to the inch). Minimum size 1" (\$49.00). Box service (incl.) additional work per insertion, replies mailed.  
**PAYMENT WITH ORDER.**  
**CHEQUE, VISA OR MASTERCARD**

**TORONTO**  
 7 Labatt Ave.  
 Toronto, Ontario M5A 3P2  
 Phone (416) 598-3483  
 Fax (416) 862-9564

**VANCOUVER**  
 206 - 1200 W. Pender St.  
 Vancouver, B.C. V6E 2S9  
 Phone (604) 688-9908

## Help Wanted

**DIAMOND DRILL** operators with soil sampling experience on Hollow Stem and Conventional augering — CME-55 & CME-75 units. Call 613-822-0571.

**MINING CONTRACTOR** requires qualified supervisors for underground projects in Canada. Reply Box 314, The Northern Miner.

**GEOLOGIST** — Executive Director of Business Development, Eastern Canada. Expanding independent B.C. based company, specializing in International Mineral Property Brokering, seeks partner: professional, ambitious, self-starting, combining extensive international mining experience with an investment and financial background. Qualified applicants please fax, in confidence, to: Geonational Resources Inc., 604-96-2124.

## Miscellaneous

**WANTED** — public mining corporate shell, clean, present offers to Peter Young Law Office, 244 Camelot Street, Thunder Bay, P7A 4B1 1-807-344-0881.

## Equipment Wanted

**WANTED** complete Longyear Break-Out-Tool, Box 188, Stewiacke, N.S. B0N 2J0. 902-639-2311 or fax 902-639-9010.

## Equipment for Sale

**FOR SALE OR RENT:** 2 yd., 3½ yd., 5 yd. Wagner Scoop Trams. Jumbo Drills, powder, tube, service and personnel trucks. B-McDowell Equipment, 2046 Kingsway, Sudbury, Ont. P3A 4R7. 705-566-8190.

**FOR SALE OR RENT:** 2 boom 2 boom air Jumbo MJM 21 3 boom air Jumbo Jarco 50' 1 yd. scoop. 426 Jarvis Clark truck. 2 boom Montabert electric hydraulic scissor lift on 40 man jack carrier. Massey 5500 fork lift. Call Rick 705-857-1154.

**FOR SALE OR RENT** — Underground trucks, J 413, 415 & 426. Drills, 2 & 3 boom pneumatic. Scissor lift. Scoop trams 2 yd to 8 yd. 850 cfm compressor. For further particulars 416-677-515.

**COMPLETE CAMP**, accommodations for 50 men including sleeping, washroom facilities, kitchen, office, recreation trailer and 60 kw generator, can be leased or sold separately. Ask for Rick or Bill at 705-235-5565.

**CORE TRAYS AND RACKS:** We manufacture standard EX, AQ, BO, NQ, and HQ, core trays for immediate pickup or delivery. We are also distributors of Caron file core rack systems. Call: Garden Lake, 683-5352.

**FOR SALE** — 4 Atco 20 man trailer units. Ph: 306-635-3354.

## Employment Wanted

**ASSAYER**, 8 years' experience in fire assay and base metals. Isolation work preferred. Ask for Dave 506-548-2106.

## Mining Property Available

**FOR SALE** — potentially large silver-lead-zinc prospect in North Central B.C. Many outcrops trrenched and drilled. Several Geo-Chem anomalies outlined. Road access. Further info contact: R. Hall, 1862 Hemlock Ave., Quesnel, B.C. V2J 3Y7. Phone 604-747-3830.

**GOLD CLAIMS** in Atlin, B.C., on Spruce Creek, 4 plus 1 for sale, open to any reasonable offer, plenty of virgin ground and water including equipment, two bedroom home in town asking \$2.5 million. Ph: 604-762-3221, ext. 119. Box 611, Station A, Kelowna, B.C. V1Y 7P2.

## Business Opportunities

**NATURAL GAS** is the future, find out how to share in profits and growth in this booming industry. Call 613-838-4488 or write P.O. Box 1033, Richmond, ON K0A 2Z0.

## Services

**RAY OJA, PH.D.**, exploration management. 96 Shuniah Street, Thunder Bay, ON P7A 2Z1. Tel: 807-345-0665.

## Equipment for Sale

**ERIE STRAYER CONCRETE** Batch plant complete with two Ross 600 bbl silos, three compartment aggregate bin, 8 cu. yd. batcher, 8 cu. yd. mixer, conveyors, computer. Call Mincon Engineering, 416-252-2219 or Fax 416-252-0690.

**PORTABLE PRIMARY CRUSHERS**, cones and screening plants for sale or monthly rental. Office: 613-258-2100. Fax: 613-258-4500. Barry Forbes — Mountain, Ontario K0E 1S0.

**HOISTS** (mining & construction). Pumps, motors and lab equipment, base metal plants & equipment. Minroc Inc. Tel: 514-227-4658, Fax 514-227-1472.

**MINING HOISTS**, Ball Mills, Crushers, Generators, Conveyors, all sizes, best prices. Wm. Sims Industries Ltd., 392 Paisley Blvd. W., Mississauga, Ont. L5B 2A8. (416) 272-4983, Fax (416) 842-1470.

**EDA OMNI PLUS** with gradiometer and PPM 400 base station. Phone 506-450-3195 or 506-450-7183.

**FOR SALE**, 2 GEM-18 Probosc Magneto-meters, 1 Geosim EM-16. All units in good working condition. Contact 506-548-2592.

**FOR SALE** — two bag houses. 1 — 240 bags, 1 — 480 bags. 403-438-5290.

**FOR SALE** — 1 Deutz 2 cylinder generator set 10 KW, good running condition, \$3,500. 403-452-8048.

## CRUSHERS

**Just Purchased**  
 (3) Symons 7' SH 300 hp hydraulic  
 (3) Symons 7' Std 300 hp, H.D.  
 Allis Chalmers 4265 Gyrotory  
 Allis Chalmers 6084 Jaw  
 Farrell 24" x 36" Blake Jaw — 100 hp  
 36" Nordberg Gradiosc — 100 hp  
 Symons Cones — 7', 5½', 4½', 3'  
 Teismith Cones 48S, 48FC, 36FC, 36S  
 Allis Chalmers Cones — 760, 460  
 McLanahan 36" x 60" single roll  
 Pioneer 4022 Double Roll  
 Pioneer 4654 Single Roll  
 Pioneer Gravel Plant with 1036 Jaw  
 Stedman 60" single cage mill

## MISCELLANEOUS

Elmco Extractor 8' x 24" horizontal belt filter, SS, with vac & filtrate pumps  
 Raymond 6669 hi-side Roller mill 250 hp  
 Raymond 5057 hi-side Roller mill  
 Raymond 703 coal pulverizer 300 hp  
 Raymond 673 coal pulverizer 400 hp  
 Raymond 633 coal pulverizer 350 hp (8)  
 Raymond 573 coal pulverizer 250 hp (4)  
 Manning Maxwell Moore 15T 46" span bridge crane — pendant control

Box "NM",  
 Hainesport, NJ 08036, U.S.A.  
 Phone (609) 267-1600  
 Fax (609) 267-4499 Telex 84-5397

# Cheni buys EnergeX's A1 claims

**VANCOUVER** — In concert with the company's move away from mining, EnergeX Minerals (TSE) sold its A1 Claims group in the Toadoggone region of northern British Columbia to Cheni Gold Mines (TSE) in exchange for various production royalties.

Since their acquisition, EnergeX has spent over \$11 million on its Toadoggone properties. The agreement does not include the company's Moose property or the JD property.

Cheni estimates that the A1 claims hosts at least 250,000 tons of drill-proven material containing 70,000 oz of recoverable gold. This figure is more conservative than EnergeX's last drill-proven figure of 375,000 tons grading 0.28 oz per ton.

The deal, expected to close by year-end, calls for EnergeX to retain a royalty of \$9 per ton mined and milled for the first 250,000 tons of material.

The per ton royalty is subject to an escalation clause of \$1.25 per ton for each \$10(US) increment in the price of gold above \$400. Any tonnage mined and milled above the 250,000-ton figure is subject to a 3.5% net smelter royalty. An advance royalty of \$1.15 million will be payable when a final deal is signed.

Cheni declined to estimate the cost of bringing the small open pit deposit into production. Expenditures will include a 35-km haulroad to Cheni's existing mill as well as the required open pit mining equipment.

Cheni will also be looking at possible areas for exploration on the A1 claims although President Paul Girard indicated that the company's plate is somewhat full next year with \$1 million budgeted for exploration on the company's Cliff Creek zone.

EnergeX needed the advance royalty for working capital. The company is exploring a number of oil and gas prospects it acquired when it took over Realm Resources of Houston, Tex.

EnergeX President Victor Bradley said the company was interested in optioning two remaining properties in the Toadoggone and that a major mining company was considering an option on the Gold Springs project in Nevada.

# Golconda sees open pit potential

**Golconda Resources (ASE)** says it has been encouraged by results at its Star City gold property in California where the next exploration phase will involve an attempt to outline open pit reserves.

Golconda is earning a 60% inter-

est from Homestake Mining of San Francisco in the Star City property in the Sweetwater Mountain range on the California/Nevada border.

Homestake and Galactic Resources (TSE) are looking for gold at the Bodie joint venture, 20 miles further south.

## VSM, Onitap deal

**VSM Exploration (ME)** has signed an option agreement with Onitap Resources (TSE) which gives VSM the right to earn a 50% interest in Onitap's 118-claim property in Tonnacourt and Joselin twps., Que. Onitap's ground is about 20 miles south of VSM's Grevet base metals project which hosts reserves of more than six million tons grading 8.65% zinc and 0.48% copper.

VSM can earn a 10% interest by spending \$250,000 on exploration before June 30, 1990. Thereafter, the company will have the option to spend another \$750,000 by Dec 31, 1991, to increase its interest to 50%. VSM will be the project operator.

A 7,000-ft drill program will test a stratigraphic unit which hosts a small 60,000-ton deposit grading 2.07% copper, 3.17% zinc and 0.73 oz silver per ton.

## Pamorex busy drilling at property interests

A drilling program of 9,244 ft has been completed on the Holthe gold property about 50 miles southeast of Timmins, Ont., Pamorex Minerals (TSE) reports.

Among the better intersections were 0.19 oz gold per ton over 10.3 ft and 0.3 oz over 22 ft. The company plans further survey and drilling work.

Drilling is under way at the Beaver project at Kirkland Lake, Ont., where Pamorex may earn a 51% interest by spending \$1.75 million during a 3-year period. Survey work to identify targets was undertaken during the summer. The property hosts the former Upper Beaver gold and copper mine. Pamorex negotiated its agreement with Queenston Gold Mines (TSE).

At the Nighthawk Lake gold project in the Timmins area, the company has completed a feasibility study. The estimated mineral inventory is 1.59 million tons grading a diluted 0.17 oz. No decision has been taken regarding the project's future.

During the summer, a 17,300-ft drilling campaign was completed at Nighthawk by barge. The company reports an intersection of 1.01 oz over 26.9 ft in a hole about two miles northeast of the known deposit. More drilling is planned.

In the Northwest Territories, a drilling program is being considered during the first half of 1990 for the Myrt Lake property. The company has an option to purchase the property 45 miles northeast of the Giant mine, which is operated by associated company Giant Yellowknife Mines.

Pamorex also has property interests in Nevada.

Using light drilling equipment on the main Sinter zone, says Golconda President Guenter Lietke, has reached the point where continued drilling with more conventional equipment will enable his company to define ore reserves.

Assays from a series of eight holes drilled to a depth of 130 ft indicate 70 ft of grade 0.026 oz gold per ton and 0.09 oz silver. Lietke says only about 10% of drill intercepts inside the mineralized zone fall below 0.015 oz.

Surface sampling on a previously unexplored area of the nearby Gatezone indicates that mineralization is continuous and covers an

## Card Lake deal

**Card Lake Resources (COATS)** has signed an option agreement with American Barrick Resources (TSE) concerning Card Lake's property in Harker Twp., Ont. The Harker property is 2.5 miles west of Barrick's Holt-McDermott gold mine.

American Barrick can earn a 100% interest in the claims by spending \$750,000 on exploration prior to Sept 30, 1992. The company must also make cash payments totalling \$250,000 to Card Lake. If the option is exercised, Card Lake will retain a production royalty.

Drilling by the vendor interested gold mineralization associated with a fault splayed off the McKenna fault. The Holt-McDermott orebody is found along the McKenna fault. The Card Lake ground is also half a mile northwest of a small gold deposit grading 0.2 oz gold per ton, which was identified by Barrick earlier. Barrick plans to start a 4,000-ft drill program in the new year.

## Callahan aims for restart at Ropes mine

**VANCOUVER** — With a view to resuming gold production, Callahan Mining (NYSE) plans to install a steel and concrete liner in some 350 ft of the shaft at its Ropes mine in Michigan.

The measure is to overcome ground problems near the shaft that had previously contributed to a suspension of operations. Chairman Charles Sneed expects that installation of the shaft liner will be completed by the end of the first quarter of 1990.

"At that time, if gold prices have averaged over \$400(US) for a reasonable period, work will proceed toward achieving mine production by May, 1990, and mill output in July, 1990," he stated.

On this schedule, the company believes reserves above the 1548 level of the mine are sufficient to continue operations until September, 1991.

area in excess of 1,500x1,500 ft.

Within the Gate zone, Golconda has located at least four different higher-grade structures showing gold values ranging from 0.100 oz gold to 0.320 oz over a sampling width of 10-20 ft.

As a result, the company is seeking permission to construct an access road to the property so that the high-grade structures can be tested by heavy drilling equipment.

The lack of easy access has prevented Golconda from bringing heavy drills on to the property. To this point, the company has been using a technique that requires samples to be collected through the drillbit before they are passed through the centre of the hammer.

Consequently, the higher-grade zones, inaccessible due to the irregular erosion of the sinter layer which overlies the mineralized zone, have not been drilled.

"As mineralization encountered by drilling so far is oxidized, gold may be recovered by near-surface methods," Golconda says.

## Hillman increasing Cal Graphite stake

A minority shareholder of Cal Graphite (VSE) is planning to increase its holdings in the junior to more than 15%.

Wilmington Securities, a Delaware subsidiary of The Hillman Co., controlled by Pittsburgh industrialist Henry Hillman, has agreed in principle to purchase 200,000 shares of Cal Graphite at \$10(US) per share. The purchase would boost the Hillman holdings to about 15%.

The agreement also gives Wilmington a short-term option to purchase up to 100,000 additional shares from the company at \$10 per share.

Cal Graphite is hoping to have its large crystalline flake graphite project at Kearney, north of Huntsville in central Ontario, in production early in the new year.

## Denison sale stalled

**Denison Mines (TSE)** says a deal to sell its oil and gas assets in Spain has been terminated and the company is engaged in discussions with another prospective buyer. The previous deal was expected to close on Dec 15.

Denison holds a 12.64% interest in the offshore Casablanca field, which averages 17,500 bbl of oil production per day. The field is Spain's largest.

Denison announced earlier this year plans to sell its oil and gas assets in order to concentrate on mining. The company's oil and gas assets in Canada have been sold for \$44.6 million. Negotiations are also in progress to sell assets in Greece, Italy and Egypt.

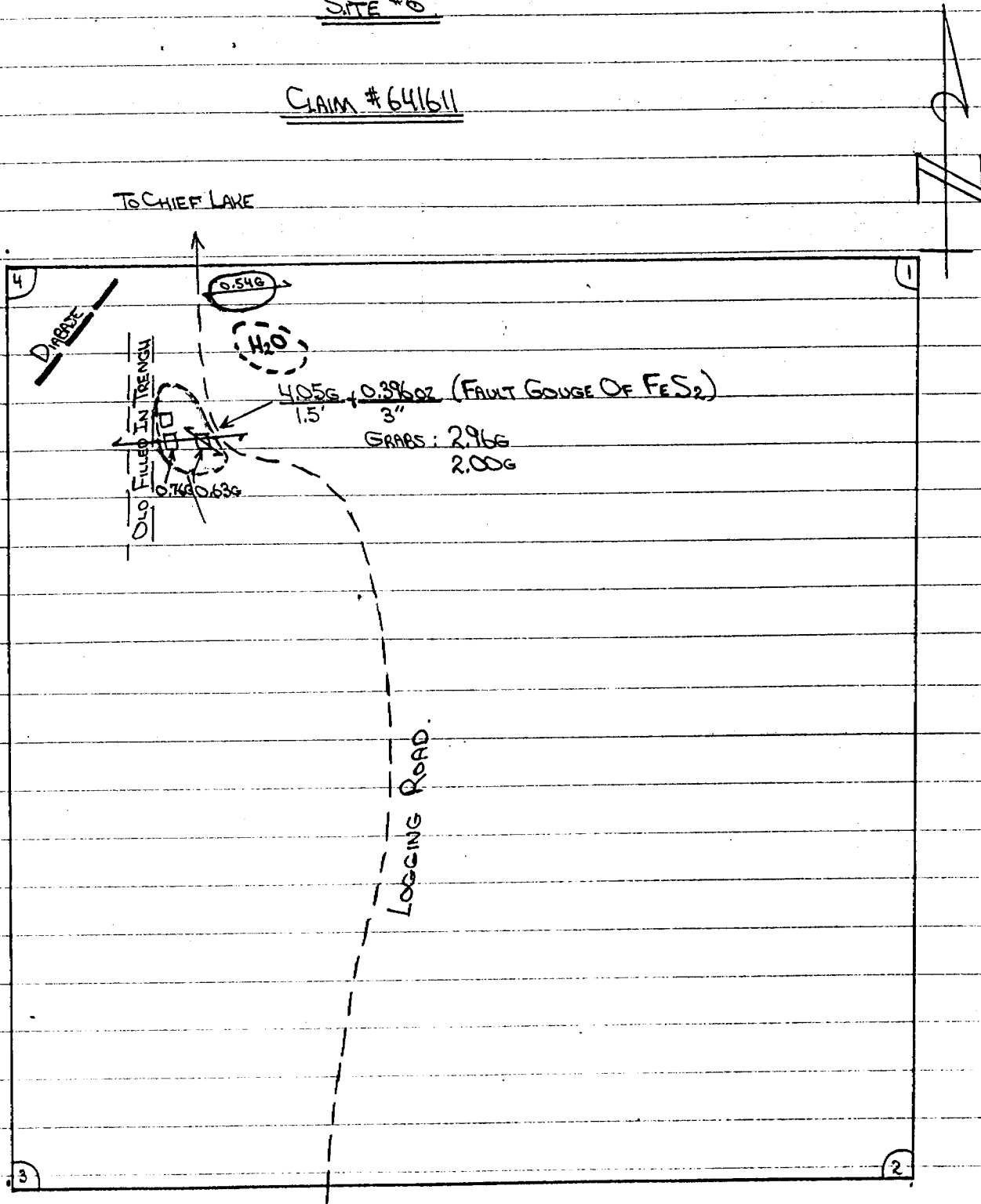
Unique Resources has changed its name to Unique Force Ent. Inc. (UNQ:VSE) on a share-for-share basis. Transfer agent is Pacific Corporate Services Ltd.

**PERRY**  
 Equipment Co., Inc.



SITE #6

CLAIM #641611



SCALE: 1" = 220'

**MAP #11**

→ SHEAR & FRACTURE

ASSOCIATED MINERALS: PYRITE, FLOURITE, CHALCOPYRITE

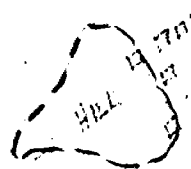
432E

1160-17  
-66  
-58-4  
-76  
-79-21  
-76  
-5  
-61-49  
-27

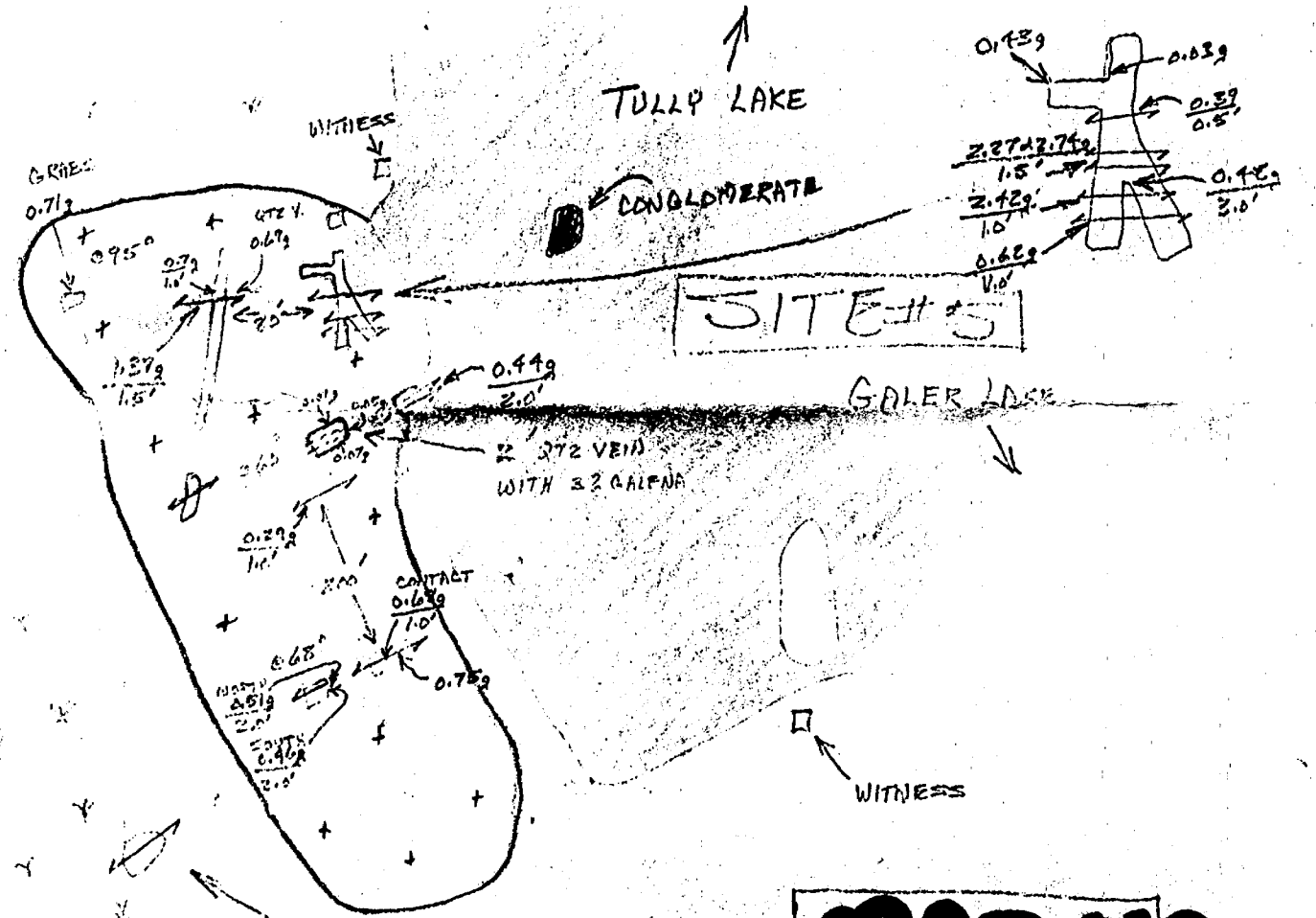
IDN  
8N

147198

HILL



SCALE  
1.80  
0.79



# MAP #10

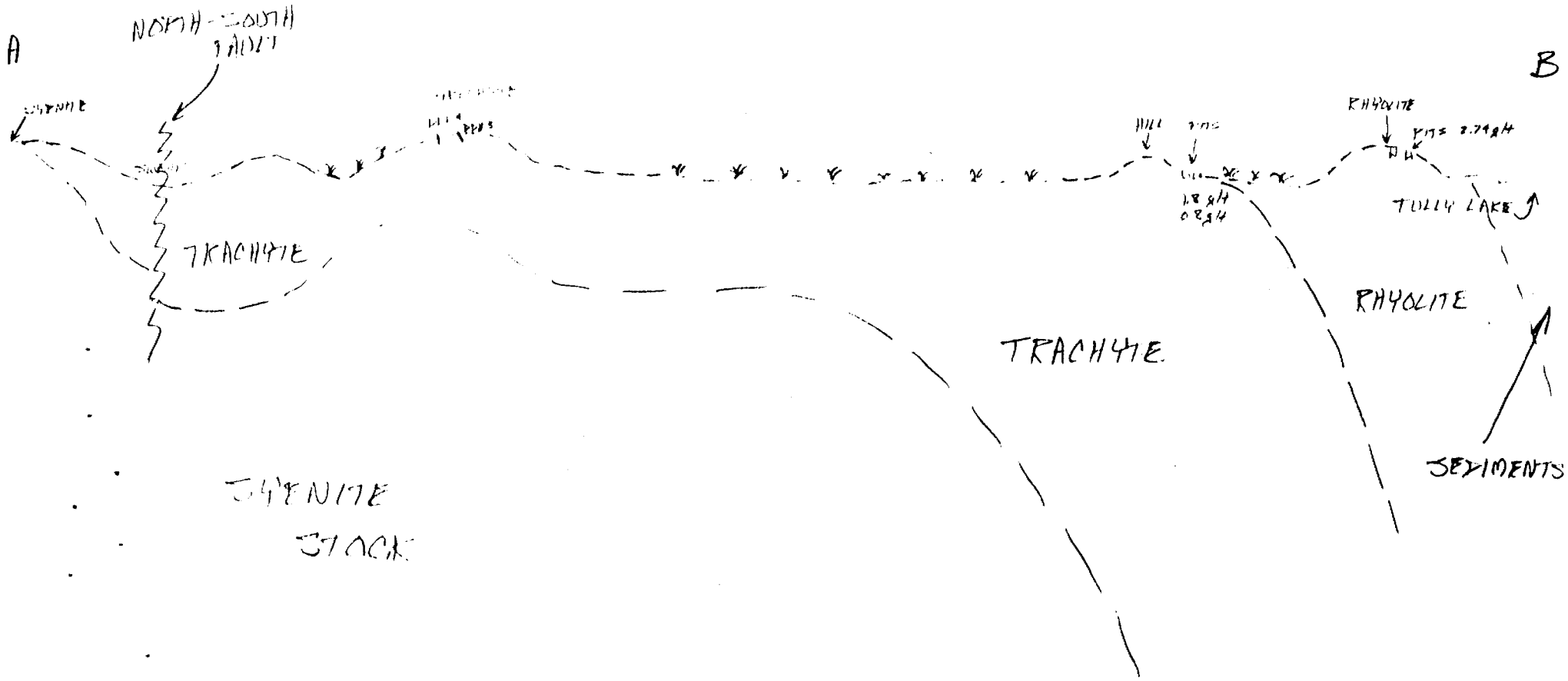
highly sheared  
lanophyre?

- + FCS
- GALENA
- CHALCOPRITE
- QTZ-ANKERITE Vg
- QTZ VEINING
- SILICIFICATION
- CHLORITE

X-SECTION

HYPOTHETICAL VIEW

- NOT TO SCALE



NOTE GOLD HORIZON PARALLEL THIS  
X-SECTIONAL PLANE

ILL. D



42A02SE0003 2.13113 HOLMES

900

Mining Act Report of Work (Expenditures, Subsection 7(19))

Type of Work Performed: **ASSAYING**

Recorded Holder: **TIMOTHY ALFRED HANSON** **2.13113**

Address: **30 MAIN ST. KIRKLAND LAKE, ONT. P2N 3E1**

Work Performed By: **SWASTIKA LABS; AMERICAN BARRICK RESOURCES; ON MY BEHALF + THAT OF MY PARTNER, M. SIMON (R21851)**

Name and Address of Author (of Submission): **AS ABOVE.**

Date When Work was Performed: From **28** **06** **89** To **21** **12** **89**

Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days
1048455	60.0	1048456	40.0	1047198	14.85						

Instructions: Total days credits may be distributed at claim holder's choice. Enter number of days credits per claim in the expenditure days credit column (below).

Calculation of Expenditure Days Credits: Total Expenditures \$ **1722.75** + **15** = Total Days Credits **114.85**

Total Number of Mining Claims Covered by this Report of Work: **3**

Mining Claims (List in numerical sequence). If space is insufficient, attach schedules with required information

Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.
L	1047208	30.7									
L	1047209	36.15									
L	1047198	48.0									

RECEIVED FEB 21 1990

MINING LANDS SECTION

Total Number of Days Performed: **114.85**

Total Number of Days Claimed: **114.85**

Total Number of Days to be Claimed at a Future Date: **0**

Certification of Beneficial Interest \*See Note No. 2 on reverse side

I hereby certify that, at the time the work was performed, the claims covered in this report of work were recorded in the current recorded holder's name or held under a beneficial interest by the current recorded holder.

Date: **JAN 13/90**

Recorded Holder or Agent (Signature): *[Signature]*

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 Address of Person Certifying: **TIM HANSON; 30 MAIN ST. KIRKLAND LAKE, ONT. P2N 3E1**

Telephone No.: **405-568-8407**

Date: **JAN 13/90**

Certified By (Signature): *[Signature]*

For Office Use Only

**APR 24 1990**

Total Days Cr. Recorded: **114.85**

Date Recorded: **Jan. 17/90**

Date Approved as Recorded: **20 April 90**

Mining Recorder: *[Signature]*

Provincial Manager, Mining Lands: *[Signature]*

Received Stamp: **RECEIVED JAN 17 1990 4:20 pm**

# RAYJO FORAGE DRILLING INC.

C.P. 42 - 430, RANG 6 SUD - LORRAINVILLE (QUÉBEC) JOZ 2R0 - TÉL. (819) 625-2839

## INVOICE

Hole #1: Moving the equipment from road to hole #1	\$1428.00
180 ft @ \$16.00/ft.	\$2880.00
16 core boxes @ \$4.00 each	\$ 64.00
1 acid test	\$ 50.00
3/10ft BW casing @ \$96.00/10 ft.	\$ 288.00
1 BW shoe bit	\$ 150.00
15% on materiel for handling...	\$ 71.55
	<hr/>
Total	\$4925.30
Hole #2: 200 ft @ \$16.00/ft	\$3200.00
20 core boxes @ \$4.00 each	\$ 80.00
1 acid test	\$ 50.00
15% on materiel	\$ 12.00
	<hr/>
Total	\$3342.00
Hole #3: 24 man/hrs @ 20.00/hr.	\$ 480.00
14 tractor/hrs @ \$45.00/hr.	\$ 630.00
289 ft @ \$16.00/ft.	\$4624.00
30 core boxes @ \$4.00 each	\$ 120.00
1 acid test	\$ 50.00
15% on materiel	\$ 18.00
	<hr/>
Total	\$5992.00

# RAYJO FORAGE DRILLING INC.

C.P. 42 - 430, RANG 6 SUD - LORRAINVILLE (QUÉBEC) JOZ 2R0 - TÉL. (819) 625-2839

## INVOICE

Hole #4:	150 ft @ \$16.00/ft.	\$2400.00
	16 core boxes @ \$4.00 each	\$ 64.00
	1 acid test	\$ 50.00
	15 % on materiel	\$ 9.60

---

Total	\$2523.60
-------	-----------

Mobilization/Demobilization \$2200.00

A photocopy of the invoice for the transport is included but I can't provided the invoice for the demobilization yet. I will send you another photocopy as soon as possible.

Total of the #1,2,3,4.	\$18912.79
Less deposit	\$10000.00

---

Total	\$8912.79
-------	-----------

Thank you



Ray Jolette.

:

# RAYJO FORGE DRILLING INC.

NO. 42  
LORRAINVILLE  
JOZ 2R0

## FOREMAN'S DAILY REPORT

HOLE NO.	DRILLED		FEET DRILLED	CORE RECOVD	FEET CASED	ANGLE
	FROM	TO				

Drill No. \_\_\_\_\_

Contract HOLMES No. \_\_\_\_\_ DATE Nov 28 1989

NAME	Total Time	CONTRACT TIME				COST PLUS TIME							
		DRILLING & PIPING	REPAIRS	DOWN TIME	MOVING	PIPING	CEMENTING	DRILLING CEMENT	TESTS	WATER LINE	MOVING	PULLING CASING	CORE BOXES
R. JOLETTE	12				12								
D. RENAUD	12				12								

REMARKS \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

DRILL HOURS \_\_\_\_\_  
 TRACTOR HOURS \_\_\_\_\_

*Bring equipment to Metachewy from Lorrainville*

SUPPLIES TO BE CHARGED TO COMPANY			
FUEL	GALS.		
OIL	QTS.		
CEMENT-KIND	BAGS		
MUD-KIND	BAGS		
CASING SIZE	FEET		
SIZE	FEET		

LENGTH OF WATER LINE \_\_\_\_\_ FEET  
 DISTANCE MOVED \_\_\_\_\_ FEET  
 TESTS \_\_\_\_\_ AT \_\_\_\_\_ FEET  
 \_\_\_\_\_ AT \_\_\_\_\_ FEET

DIAMONDS			
SIZE	TYPE	BIT NO.	REASON FOR CHARGE

FOREMAN *[Signature]* APPROVED \_\_\_\_\_ COMPANY REPRESENTATIVE \_\_\_\_\_  
 \_\_\_\_\_ - MAIN OFFICE  
 Canary - CLIENTS REPRESENTATIVE  
 Pink - RETAIN BY FOREMAN



HOLE NO.	DRILLED		FEET DRILLED	CORE RECOVERD	FEET CASED	ANGLE
	FROM	TO				

Drill No. \_\_\_\_\_

Contract Holmes No. \_\_\_\_\_ DATE Nov. 29 1929

NAME	Total Time	CONTRACT TIME					COST PLUS TIME							
		DRILLING & PIPING	REPAIRS	DOWN TIME	MOVING		PIPING	CEMENTING	DRILLING CEMENT	TESTS	WATER LINE	MOVING	PULLING CASING	CORE BOXES
<u>R. Jo LETTE</u>	<u>12</u>											<u>12</u>		
<u>D. RENAUD</u>	<u>12</u>											<u>12</u>		

REMARKS Spider and DRILL HOURS TRACTOR HOURS

Have to skid the equipment in to the site, build road to the drill site, and build road to the lake, set up pump stack and line up water line.

SUPPLIES TO BE CHARGED TO COMPANY			
FUEL	GALS.		
OIL	QTS.		
CEMENT-KIND	BAGS		
MUD-KIND	BAGS		
CASING SIZE	FEET		
SIZE	FEET		

DIAMONDS			
SIZE	TYPE	BIT NO.	REASON FOR CHARGE

LENGTH OF WATER LINE 1200 FEET  
 DISTANCE MOVED 5 miles FEET  
 TESTS \_\_\_\_\_ AT \_\_\_\_\_ FEET  
 \_\_\_\_\_ AT \_\_\_\_\_ FEET

FOREMAN Ray J. Lette APPROVED \_\_\_\_\_ COMPANY REPRESENTATIVE \_\_\_\_\_  
 White - MAIN OFFICE      Canary - CLIENTS REPRESENTATIVE  
 Pink - RETAIN BY FOREMAN





FOREMAN'S DAILY REPORT

HOLE NO.	DRILLED		FEET DRILLED	CORE RECOVD	FEET CASED	ANGLE
	FROM	TO				
1-89	0					

Drill No. \_\_\_\_\_

Contract Holmes No. \_\_\_\_\_ DATE Nov 30 1989

NAME	Total Time	CONTRACT TIME				COST PLUS TIME							
		DRILLING & PIPING	REPAIRS	DOWN TIME	MOVING	PIPING	CEMENTING	DRILLING CEMENT	TESTS	WATER LINE	MOVING	PULLING CASING	CORE BOXES
R. JOLETTE	10												
D. RENAUD	10												

REMARKS \_\_\_\_\_ DRILL HOURS \_\_\_\_\_ TRACTOR HOURS \_\_\_\_\_

*set the drills, went get the soil stone fix*

SUPPLIES TO BE CHARGED TO COMPANY			
FUEL	GALS.		
OIL	QTS.		
CEMENT-KIND	BAGS		
MUD-KIND	BAGS		
CASING SIZE	FEET		
SIZE	FEET		

DIAMONDS			
SIZE	TYPE	BIT NO.	REASON FOR CHARGE

LENGTH OF WATER LINE \_\_\_\_\_ FEET  
 DISTANCE MOVED \_\_\_\_\_ FEET  
 TESTS \_\_\_\_\_ AT \_\_\_\_\_ FEET  
 \_\_\_\_\_ AT \_\_\_\_\_ FEET

FOREMAN Ray J. [Signature] APPROVED \_\_\_\_\_ COMPANY REPRESENTATIVE \_\_\_\_\_

**RAYJO FORGE DRILLING INC.**

C.P. 42  
LORRAINVILLE Q.C.  
JOZ 2R0

**FOREMAN'S DAILY REPORT**

HOLE NO.	DRILLED		FEET DRILLED	CORE RECOVD	FEET CASED	ANGLE
	FROM	TO				
1-89	0	40			40	45°
40	40	75	35			

Drill No. \_\_\_\_\_

Contract Halmes No. \_\_\_\_\_ DATE Dec. 1 19 89

NAME	Total Time	CONTRACT TIME				COST PLUS TIME							
		DRILLING & PIPING	REPAIRS	DOWN TIME	MOVING	PIPING	CEMENTING	DRILLING CEMENT	TESTS	WATER LINE	MOVING	PULLING CASING	CORE BOXES
<u>R. JOLETTE</u>	<u>12</u>												
<u>D. RENAUD</u>	<u>12</u>												

REMARKS	DRILL HOURS	TRACTOR HOURS

SUPPLIES TO BE CHARGED TO COMPANY			
FUEL	GALS.		
OIL	QTS.		
CEMENT-KIND	BAGS		
MUD-KIND	BAGS		
CASING SIZE	FEET		
SIZE	FEET		

DIAMONDS			
SIZE	TYPE	BIT NO.	REASON FOR CHARGE

LENGTH OF WATER LINE	FEET
DISTANCE MOVED	FEET
TESTS AT _____	FEET
_____ AT _____	FEET

FOREMAN Ray Jette APPROVED \_\_\_\_\_ COMPANY REPRESENTATIVE \_\_\_\_\_

White - MAIN OFFICE      Green - CLIENTS REPRESENTATIVE      Pink - RETAIN BY FOREMAN

# RAYJO FORGE DRILLING INC.

42  
LORRAINVILLE QG  
JOZ 2R0



## FOREMAN'S DAILY REPORT

HOLE NO.	DRILLED		FEET DRILLED	CORE RECOVD	FEET CASED	ANGLE
	FROM	TO				
1-89	75	180	105			45°

Drill No. \_\_\_\_\_

Contract Holmes

No. \_\_\_\_\_

DATE Dec 2

1989

NAME	Total Time	CONTRACT TIME				COST PLUS TIME						
		DRILLING & PIPING	REPAIRS	DOWN TIME	MOVING	PIPING	CEMENTING	DRILLING CEMENT	TESTS	WATER LINE	MOVING	PULLING CASING
R. JOLETTE	13											16
D. RENAUD	13											

REMARKS

*Drill rods out  
couldn't pull casing leave  
3.10 ft in hole and shoe bit*

DRILL HOURS  
TRACTOR HOURS

SUPPLIES TO BE CHARGED TO COMPANY

FUEL	GALS.		
OIL	QTS.		
CEMENT-KIND	BAGS		
MUD-KIND	BAGS		
CASING SIZE	BW FEET	3 x 10'	length
SIZE	FEET		

DIAMONDS

SIZE	TYPE	BIT NO.	REASON FOR CHARGE
B.W	SHOE		couldn't pull out

LENGTH OF WATER LINE \_\_\_\_\_ FEET  
 DISTANCE MOVED \_\_\_\_\_ FEET  
 TESTS 1 AT 180 FEET  
 \_\_\_\_\_ AT \_\_\_\_\_ FEET

FOREMAN Ray Jett

APPROVED \_\_\_\_\_

COMPANY REPRESENTATIVE \_\_\_\_\_

White - MAIN OFFICE

Canary - CLIENTS REPRESENTATIVE  
 Pink - RETAIN BY FOREMAN

# RAYJO FORGE DRILLING INC.

42  
LORRAINVILLE  
JOZ 2R0



## FOREMAN'S DAILY REPORT

HOLE NO.	DRILLED		FEET DRILLED	CORE RECOVD	FEET CASED	ANGLE
	FROM	TO				
2-89	0	20			20	45B
	20	200	180			

Drill No. \_\_\_\_\_

Contract Hulmes No. \_\_\_\_\_ DATE Dec 3 1989

NAME	Total Time	CONTRACT TIME				COST PLUS TIME							
		DRILLING & PIPING	REPAIRS	DOWN TIME	MOVING	PIPING	CEMENTING	DRILLING CEMENT	TESTS	WATER LINE	MOVING	PULLING CASING	CORE BOXES
<u>R. JOLETTE</u>	<u>20</u>												<u>20</u>
<u>D. RENAUD</u>	<u>20</u>												

REMARKS \_\_\_\_\_ DRILL HOURS \_\_\_\_\_ TRACTOR HOURS \_\_\_\_\_

Leas down more set-up, had 100' ft water line

SUPPLIES TO BE CHARGED TO COMPANY			
FUEL	GALS.		
OIL	QTS.		
CEMENT-KIND	BAGS		
MUD-KIND	BAGS		
CASING SIZE	FEET		
SIZE	FEET		

DIAMONDS			
SIZE	TYPE	BIT NO.	REASON FOR CHARGE

LENGTH OF WATER LINE	FEET	
DISTANCE MOVED	FEET	
TESTS <u>1</u> AT <u>200</u>	FEET	
_____ AT _____	FEET	

FOREMAN \_\_\_\_\_ APPROVED \_\_\_\_\_ COMPANY REPRESENTATIVE \_\_\_\_\_

White - MAIN OFFICE      Canary - CLIENTS REPRESENTATIVE  
Pink - RETAIN BY FOREMAN

# RAYJO FORGE DRILLING INC.

2  
LORRAINE  
JOZ 2R0

## FOREMAN'S DAILY REPORT

HOLE NO.	DRILLED		FEET DRILLED	CORE RECOVD	FEET CASED	ANGLE
	FROM	TO				

Drill No. \_\_\_\_\_

Contract 260 lines No. \_\_\_\_\_ DATE Dec 4 19 89

NAME	Total Time	CONTRACT TIME				COST PLUS TIME							
		DRILLING & PIPING	REPAIRS	DOWN TIME	MOVING	PIPING	CEMENTING	DRILLING CEMENT	TESTS	WATER LINE	MOVING	PULLING CASING	CORE BOXES
<u>R. JOLETTE</u>	<u>8</u>												
<u>D. RENAUD</u>	<u>8</u>												

REMARKS	DRILL HOURS	TRACTOR HOURS

*tear down and chain water line, bring the equipment to the next site, roll up and the hose, truck brake down*

SUPPLIES TO BE CHARGED TO COMPANY			
FUEL	GALS.		
OIL	QTS.		
CEMENT-KIND	BAGS		
MUD-KIND	BAGS		
CASING SIZE	FEET		
SIZE	FEET		

DIAMONDS			
SIZE	TYPE	BIT NO.	REASON FOR CHARGE

LENGTH OF WATER LINE \_\_\_\_\_ FEET  
 DISTANCE MOVED \_\_\_\_\_ FEET  
 TESTS \_\_\_\_\_ AT \_\_\_\_\_ FEET  
 \_\_\_\_\_ AT \_\_\_\_\_ FEET

FOREMAN Ray J. [Signature] APPROVED \_\_\_\_\_ COMPANY REPRESENTATIVE \_\_\_\_\_  
 Copy - CLIENTS REPRESENTATIVE  
 Pink - RETAIN BY FOREMAN

# RAYJO FORGE DRILLING INC.

C.P. 42  
LORRAINEVILLE, QUEBEC  
J0Z 2R0

## FOREMAN'S DAILY REPORT

HOLE NO.	DRILLED		FEET DRILLED	CORE RECOVERED	FEET CASSED	ANGLE
	FROM	TO				

Drill No. \_\_\_\_\_

Contract Holmes

No. \_\_\_\_\_

DATE DEC. 5

1989

NAME	Total Time	CONTRACT TIME				COST PLUS TIME							
		DRILLING & PIPING	REPAIRS	DOWN TIME	MOVING	PIPING	CEMENTING	DRILLING CEMENT	TESTS	WATER LINE	MOVING	PULLING CASING	CORE BOXES
<u>R. JOLETTE</u>	<u>12</u>												
<u>D. RENAUD</u>	<u>12</u>												

REMARKS DRILL HOURS  
TRACTOR HOURS

Build road to the lake, haul pump back down, ground too soft had to build another road and move to pump back, start line up water line.

SUPPLIES TO BE CHARGED TO COMPANY			
FUEL	GALS.		
OIL	QTS.		
CEMENT-KIND	BAGS		
MUD-KIND	BAGS		
CASING SIZE	FEET		
SIZE	FEET		

DIAMONDS			
SIZE	TYPE	BIT NO.	REASON FOR CHARGE

LENGTH OF WATER LINE \_\_\_\_\_ FEET  
 DISTANCE MOVED \_\_\_\_\_ FEET  
 TESTS \_\_\_\_\_ AT \_\_\_\_\_ FEET  
 \_\_\_\_\_ AT \_\_\_\_\_ FEET

FOREMAN Ray Jett

APPROVED \_\_\_\_\_ COMPANY REPRESENTATIVE  
 Canary - CLIENTS REPRESENTATIVE  
 Pink - RETAIN BY FOREMAN

# RAYJO FORGE DRILLING INC.

42  
LORRAINVILLE, QC  
J0Z 2R0

## FOREMAN'S DAILY REPORT

HOLE NO.	DRILLED		FEET DRILLED	CORE RECOVERD	FEET CASED	ANGLE
	FROM	TO				
3-89	0	10			10	45°
	10	67	57			

Drill No. \_\_\_\_\_

Contract Holmes

No. \_\_\_\_\_

DATE Dec 6

19 89

NAME	Total Time	CONTRACT TIME				COST PLUS TIME							
		DRILLING & PIPING	REPAIRS	DOWN TIME	MOVING	PIPING	CEMENTING	DRILLING CEMENT	TESTS	WATER LINE	MOVING	PULLING CASING	CORE BOXES
<u>R. SOLETTE</u>	<u>17 6</u>	<u>6</u>		<u>11</u>									
<u>D. RENAUD</u>	<u>17 6</u>	<u>6</u>		<u>11</u>									

REMARKS

DRILL HOURS  
TRACTOR HOURS

*Finish line up water line  
trouble with the supplies pump*

SUPPLIES TO BE CHARGED TO COMPANY

FUEL	GALS.		
OIL	QTS.		
CEMENT-KIND	BAGS		
MUD-KIND	BAGS		
CASING SIZE	FEET		
SIZE	FEET		

DIAMONDS

SIZE	TYPE	BIT NO.	REASON FOR CHARGE

LENGTH OF WATER LINE \_\_\_\_\_ FEET

DISTANCE MOVED \_\_\_\_\_ FEET

TESTS \_\_\_\_\_ AT \_\_\_\_\_ FEET

\_\_\_\_\_ AT \_\_\_\_\_ FEET

FOREMAN Ray Jolt

APPROVED \_\_\_\_\_

COMPANY REPRESENTATIVE \_\_\_\_\_

White - MAIN OFFICE

Canary - CLIENTS REPRESENTATIVE  
Pink - RETAIN BY FOREMAN

# RAYJO FORAGE DRILLING INC.

0.P.42  
LORRAINVILLE QG  
JOZ 2R0

## FOREMAN'S DAILY REPORT

HOLE NO.	DRILLED		FEET DRILLED	CORE RECOVD	FEET CASED	ANGLE
	FROM	TO				
3-89	67	289	222			45°

Drill No. \_\_\_\_\_

Contract Holmes No. \_\_\_\_\_ DATE Dec 7 19 89

NAME	Total Time	CONTRACT TIME				COST PLUS TIME							
		DRILLING & PIPING	REPAIRS	DOWN TIME	MOVING	PIPING	CEMENTING	DRILLING CEMENT	TESTS	WATER LINE	MOVING	PULLING CASING	CORE BOXES
R. JOLETTE	18												30
D. BENAUD	18												

REMARKS	DRILL HOURS	TRACTOR HOURS

*Hole finish drain water line and tear down, pull road rods and casing out.*

SUPPLIES TO BE CHARGED TO COMPANY	
FUEL	GALS.
OIL	QTS.
CEMENT-KIND	BAGS
MUD-KIND	BAGS
CASING SIZE	FEET
SIZE	FEET

DIAMONDS			
SIZE	TYPE	BIT NO.	REASON FOR CHARGE

LENGTH OF WATER LINE	FEET
DISTANCE MOVED	FEET
TESTS <u>1</u> AT <u>280</u>	FEET
_____ AT _____	FEET

FOREMAN Ray Jett APPROVED \_\_\_\_\_ COMPANY REPRESENTATIVE \_\_\_\_\_

White - MAIN OFFICE      Canary - CLIENTS REPRESENTATIVE  
Pink - RETAIN BY FOREMAN



**RAYJO FORGE DRILLING INC.**

2  
LORRAINVILLE, Qc  
JOZ 2R0

**FOREMAN'S DAILY REPORT**

HOLE NO.	DRILLED		FEET DRILLED	CORE RECOVERD	FEET CASED	ANGLE
	FROM	TO				
4-89	0	4	151		4	45°
	4	155				

Drill No. \_\_\_\_\_

Contract Holmes

No. \_\_\_\_\_ DATE DEC. 8

1989

NAME	Total Time	CONTRACT TIME				COST PLUS TIME							
		DRILLING & PIPING	REPAIRS	DOWN TIME	MOVING	PIPING	CEMENTING	DRILLING CEMENT	TESTS	WATER LINE	MOVING	PULLING CASING	CORE BOXES
<u>R. SOLETTE</u>	16												
<u>D. RENAUD</u>	16											16	

REMARKS	DRILL HOURS	TRACTOR HOURS

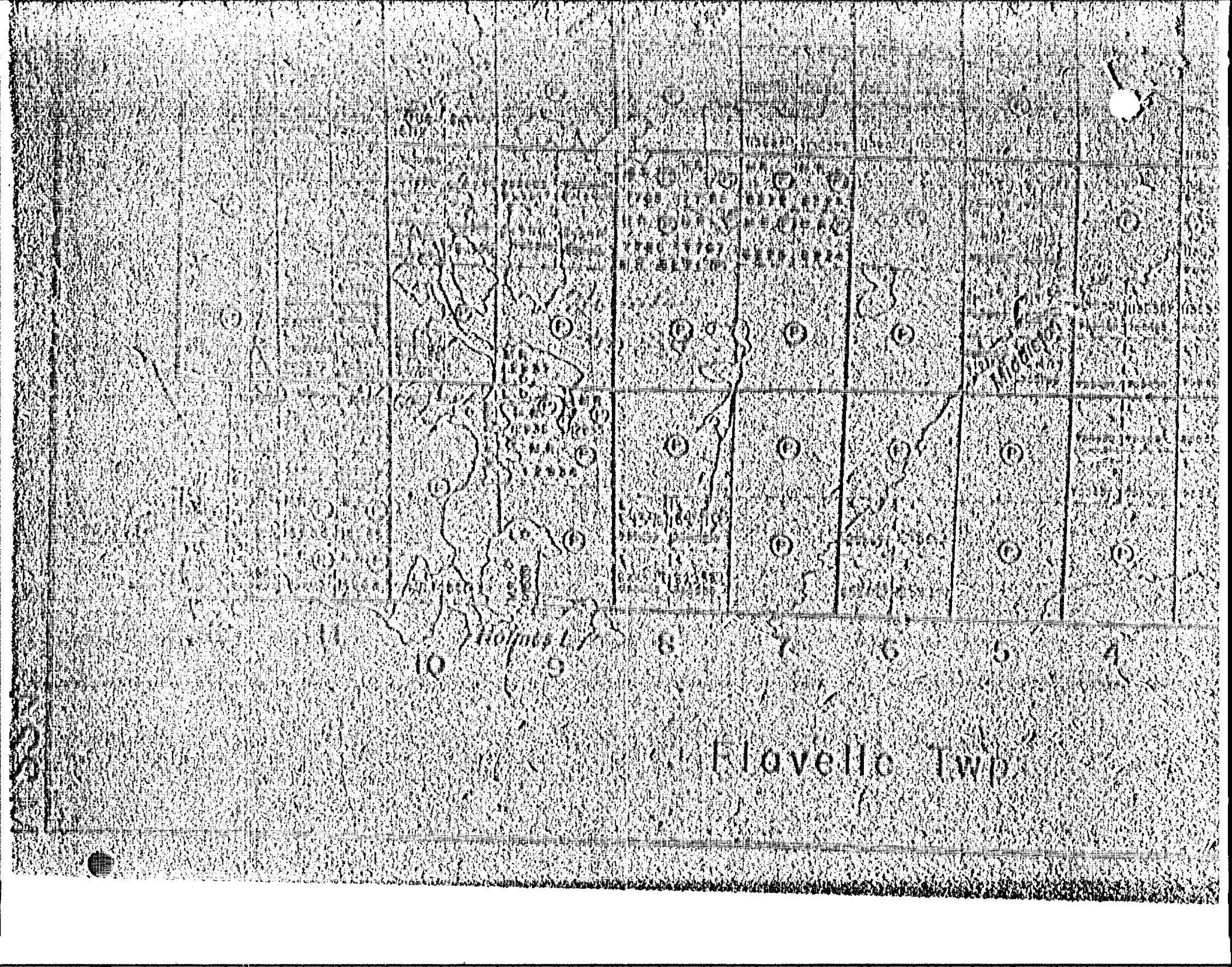
*Move, start up water line. Finish the hole, tear down and drain water line, roll hoses ready to move.*

SUPPLIES TO BE CHARGED TO COMPANY			
FUEL	GALS.		
OIL	QTS.		
CEMENT-KIND	BAGS		
MUD-KIND	BAGS		
CASING SIZE	FEET		
SIZE	FEET		

DIAMONDS			
SIZE	TYPE	BIT NO.	REASON FOR CHARGE

LENGTH OF WATER LINE \_\_\_\_\_ FEET  
 DISTANCE MOVED \_\_\_\_\_ FEET  
 TESTS 1 AT 150 FEET  
 \_\_\_\_\_ AT \_\_\_\_\_ FEET

FOREMAN: \_\_\_\_\_ APPROVED: \_\_\_\_\_ COMPANY REPRESENTATIVE: \_\_\_\_\_



Flavelle Twp

Holtz L.

Dunmore Twp.

THE TOWNSHIP OF








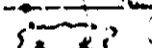







HOLMES

DISTRICT OF  
TIMISKAMING

LARDER LAKE  
MINING DIVISION

SCALE: 1-INCH=40 CHAINS

LEGEND

- PATENTED LAND 
- CROWN LAND SALE 
- LEASES 
- LOCATED LAND 
- LICENSE OF OCCUPATION 
- MINING RIGHTS ONLY 
- SURFACE RIGHTS ONLY 
- ROADS 
- IMPROVED ROADS 
- KING'S HIGHWAYS 
- RAILWAYS 
- POWER LINES 
- MARSH OR MUSKEG 
- MINES 
- CANCELLED 

NOTES

400' Surface rights reservation around lakes & rivers

AREAS WITHDRAWN FROM DISPOSITION

- M.R.O. - MINING RIGHTS ONLY
- S.R.O. - SURFACE RIGHTS ONLY
- M.+ S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File
SEC. 36/80	W 24/82	29/11/82	S. & M.R.	188522

DATE OF ISSUE  
FEB 6 1990  
LARDER LAKE  
MINING RECORDER'S OFFICE

PLAN NO.- M.224

ONTARIO  
MINISTRY OF NATURAL RESOURCES  
SURVEYS AND MAPPING BRANCH

Alma Twp.

VI

V

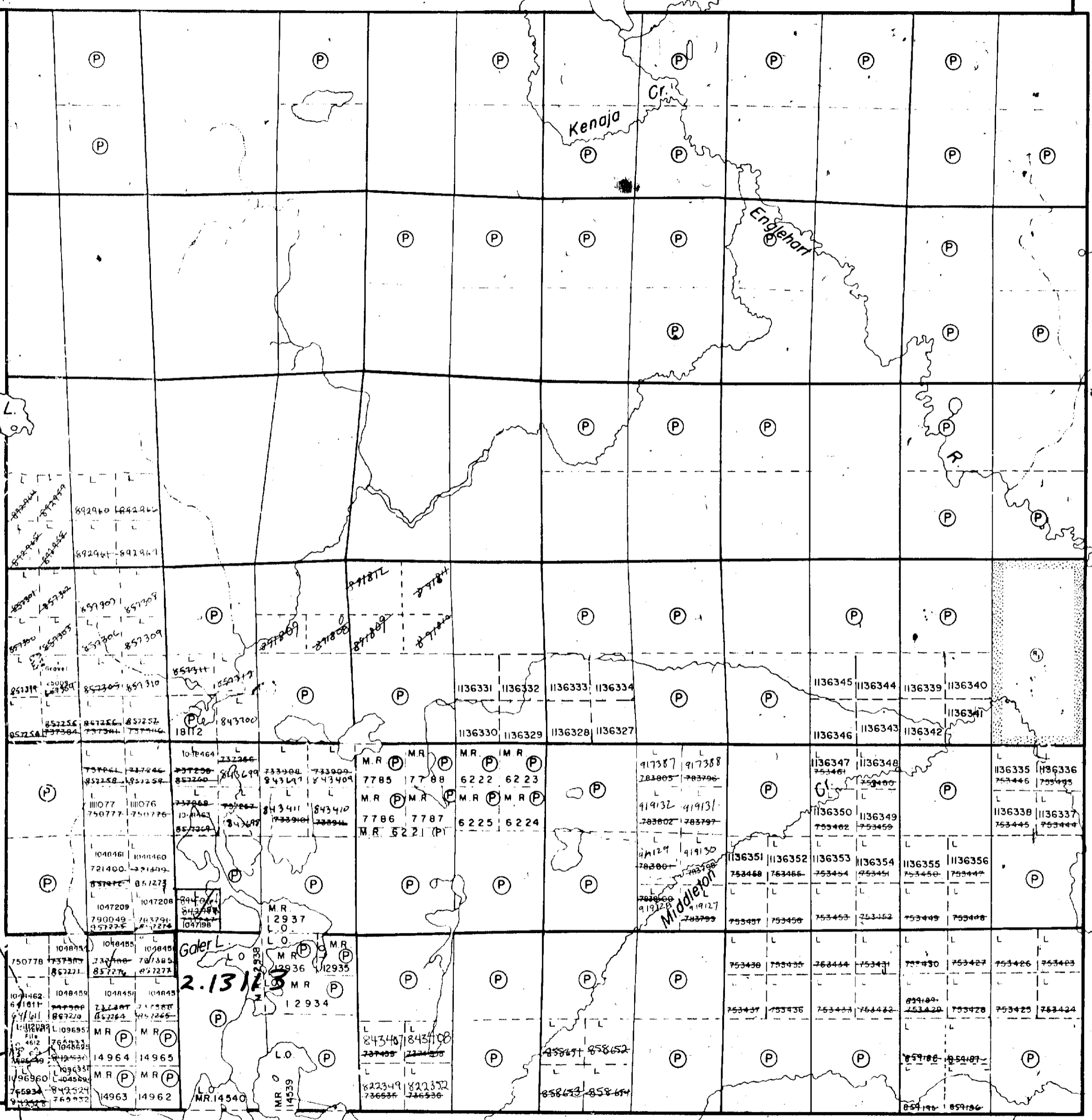
IV

III

II

I

Burt Twp.



12 11 10 9 8 7 6 5 4 3 2 1

Flavelle Twp.



42A025E0003 2.13113 HOLMES