2.30095

Plinky Property

East Group

Otto Township

NTS - 42 A/1

80°05'W 48°04'N

RECEIVED
JUN 14 2005
GEOSCIENCE ASSESSMENT OFFICE

Spring 2005

Prepared by : Eric Marion

June 13/05

DAYS WORKED

HAND STRIPPING AND TRENCHING, PRESSURE WASHING

	ERIC MARION	JIM TINNEY	
AUG 11 2004	11h	11h	SITE A
AUG 12 2004	10h	10h	SITE A
AUG 20 2004	10h	10h	SITE B
AUG 22 2004	9½h	9½h	SITE B
AUG 28 2004	10h	10h	SITE C
AUG 29 2004	8½h	8½h	SITE C
SEPT 4 2004	11h	11h	SITE D
SEPT 5 2004	9½h	9½h	SITE D
	79½h	79½h	

79½h ÷ 8h/day = 10 days

79½h ÷ 8h/day = 10 days

10 days @ $150.00/day = $1500.00

K22502

10 days @ $125.00/day = $1,250.00

K23146

VOLUME PUMP + HOSE RENTAL (600')

8 days @ $55.00/day = $440.00

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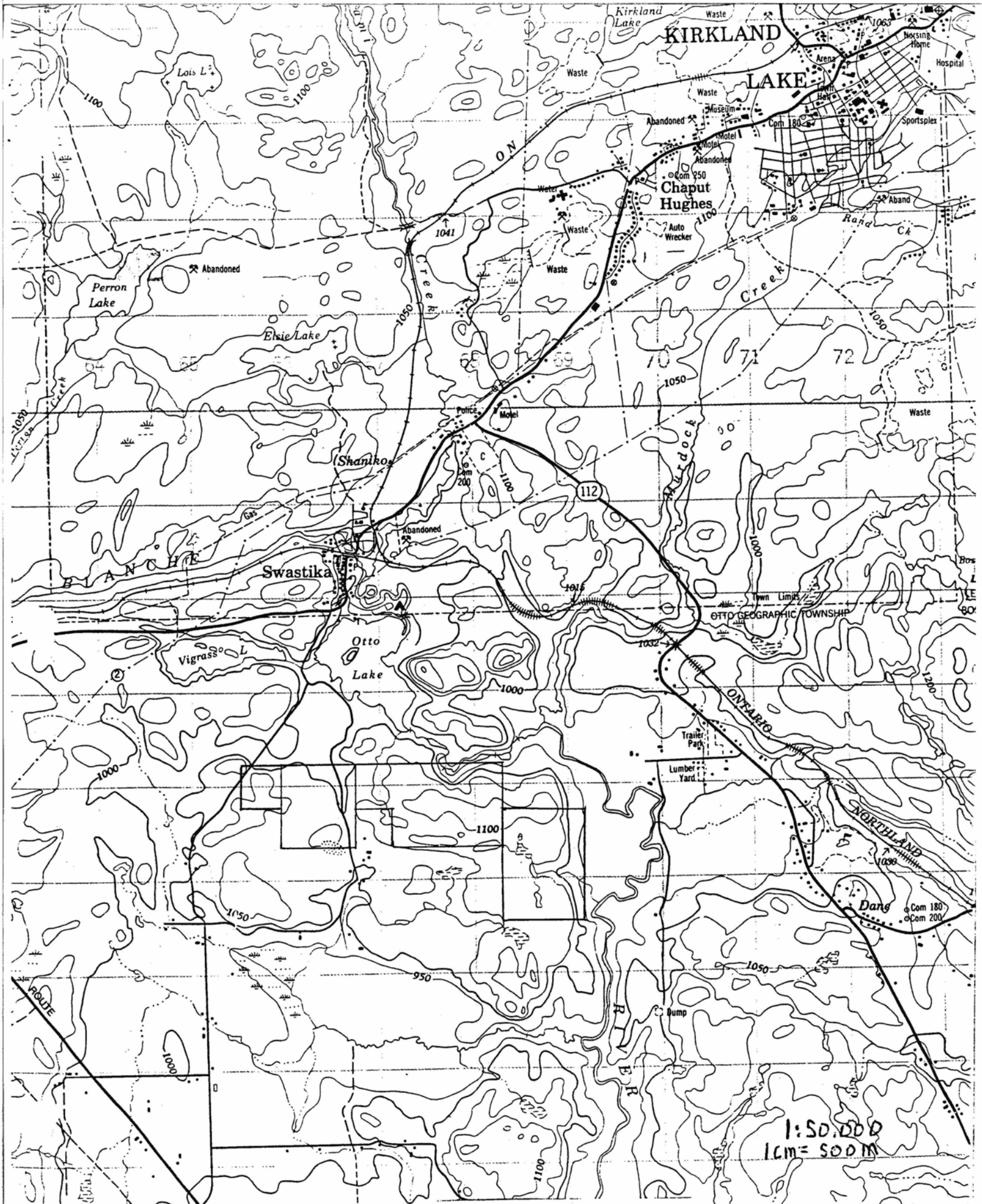
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KIRKLAND LAKE
Kirkland Lake
Waste
Lois L.
Perron Lake
Elsie Lake
Abandoned
Chaput Hughes
Com 250
Auto Wrecker
Rand Ck
Creek
Police
Motel
Shanko
Com 200
Swastika
BANCHE
Gas
Otto Lake
Vigrass L.
112
Murdock
Town Limits
OTTO GEOGRAPHIC TOWNSHIP
ONTARIO
Trailer Park
Lumber Yard
NORTHLAND
Dang
Com 180
Com 200
Dump
RIVER
ROUTE
Trans-C
Arena
Hospital
Nursing Home
Museum
Sportsplex
Town Hall
Aband
1:50,000
1cm = 500m
Figure-1 - Location

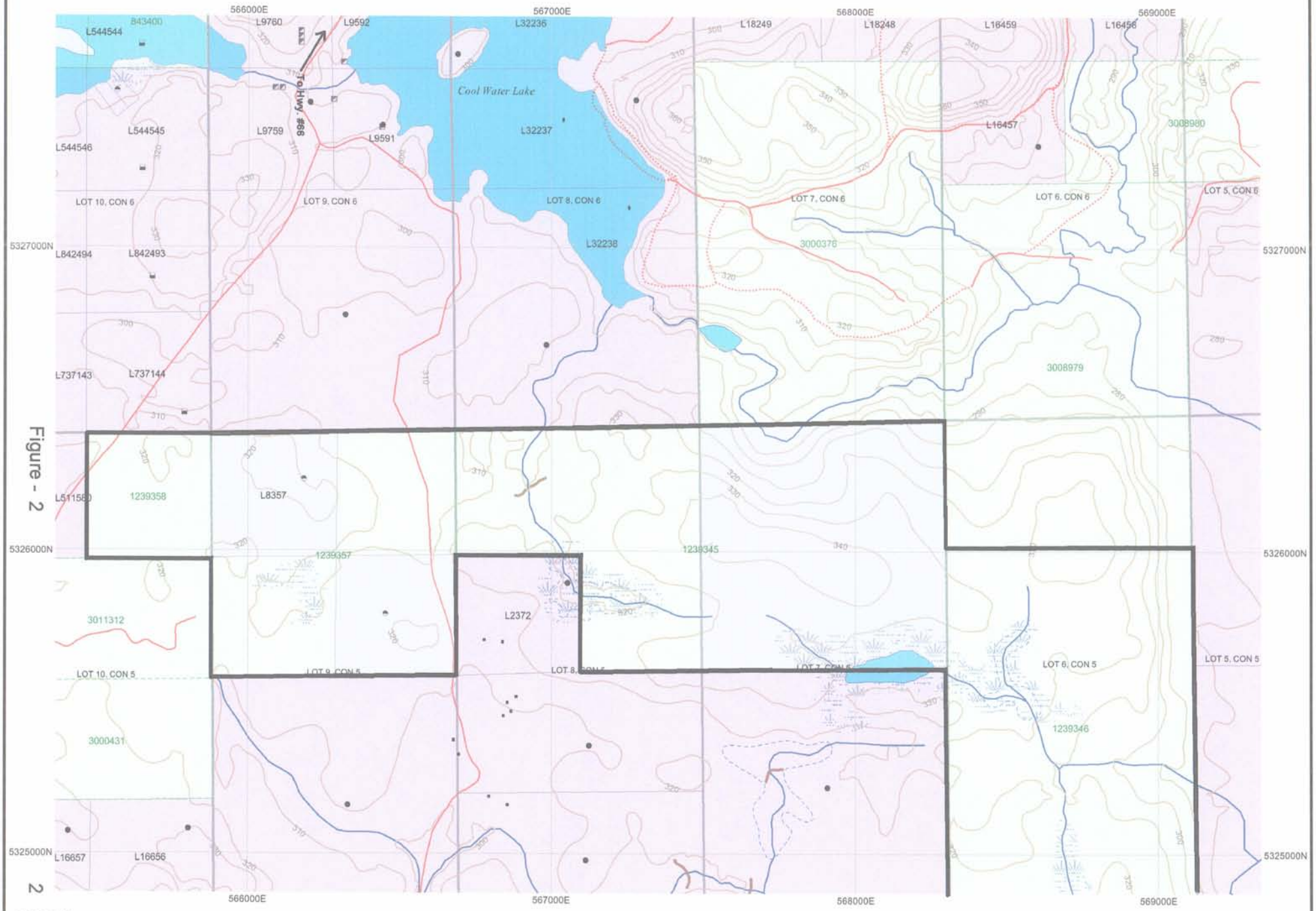

566000E
567000E
568000E
569000E
5327000N
5326000N
5325000N
Cool Water Lake
To Hwy. #66
L544544
L544545
L544546
L9760
L9592
L9759
L9591
L32236
L32237
L32238
L18249
L18248
L16459
L16458
L16457
LOT 10, CON 6
LOT 9, CON 6
LOT 8, CON 6
LOT 7, CON 6
LOT 6, CON 6
LOT 5, CON 6
3008980
3000376
L842494
L842493
L737143
L737144
3008979
L511580
1239358
L8357
1239357
1239345
3011312
L2372
LOT 10, CON 5
LOT 9, CON 5
LOT 8, CON 5
LOT 7, CON 5
LOT 6, CON 5
LOT 5, CON 5
1239346
3000431
L16657
L16656
UTM Zone 17
1000m grid

Figure - 2

PROPERTY LOCATION

The property is located in the Larder Lake mining Division approximately 3 kilometers due south of the town of Swastika. The claim group sits in the central part of the north half of Otto Township. This area is in the Kirkland Lake Resident Geologist District and can be found on NTS-42A/1 with the geographic center being at approximately 80° 05' W and 48° 04' N.

ACCESS

Heading south off of Hwy. # 66 west of Swastika, on Otto Road 1 for 1 kilometer will bring you to a fork in the road. Taking the left (east) road and following it for 1½ kilometers will bring you to the north border of the claim group. This road continues on through the group. Access around the area is via old cut roads and some hunting trails.

CLAIMS

The property consists of four gontiguous staked mining claim blocks totaling 18 claim units recorded on Plan M-379 of Otto Township, which is a subdivided township.The claims and descriptions are as follows:

CL#1239345---Lot 7,Con. 5 N1/2 + Lot 8, Con.5 N1/2(no SW 1/4)
CL#1239346---Lot 6, Con. 5 S 1/2+Lot 6, Con.5 S1/2 of N 1/2
CL#1239357---Lot 9, Con. 5 N1/2
CL#1239359---Lot 10 Con. 5 N1/2 NE1/4

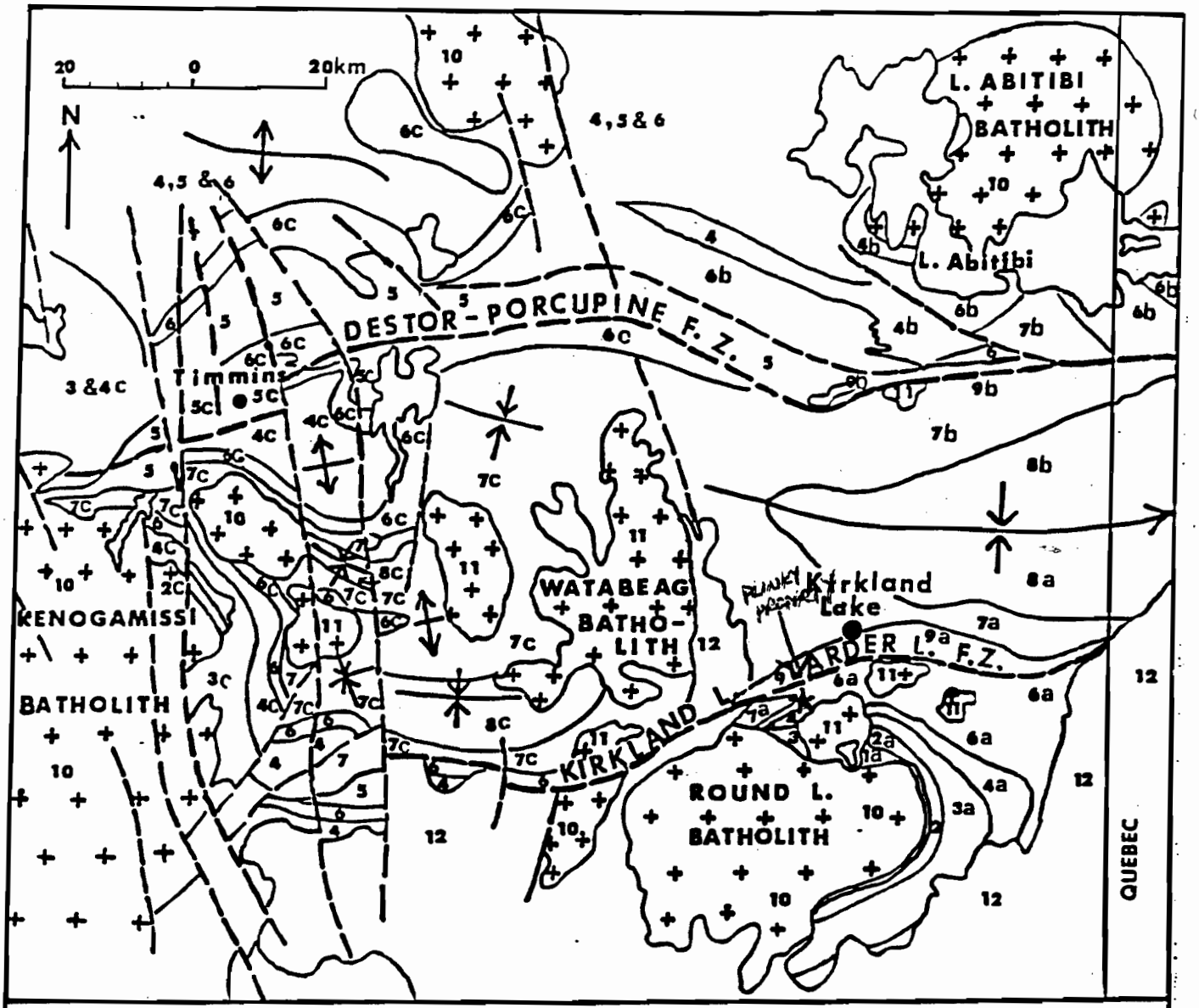
GENERAL GEOLOGY/CLAIM GEOLOGY

The claim group straddles the northern contact of the Otto Stock, a syenitic intrusive complex, and steeply north facing mafic volcanic rocks interlayered with inter-flow sediments, agglomerates and some cherty and sulfide iron formation of the Catherine Group. The most prominant feature of the area is the Larder-Cadillac Deformation Zone. This is an east-west trending fault corridor coincident with a thin layer of sub-vertical lying Temiskaming age metasediments along much of its length, and many of the individual splays are the host of ecomomic gold concentrations. The LCDZ fault system is renowned for the many high grade gold deposits found along its length in Ontario and Quebec.
A mapped splay of the Larder-Cadillac Deformation Zone (LCDZ) passes through the northwestern corner of the claim group.About one mile north of the claim group the "South Break"(splay of LCDZ) was mined on for gold at the "Lucky Cross Mine", one of the earliest gold discoveries in the Larder Lake mining district..

Small bodies of syenite and lamprophyre, probably related to the Otto Stock, intrude the overlying volcanic rocks in several locations. The geological environment present on the claims appears to be similar to that 3km to the west where recent work by the OGS(ref Matachewan-Swastika Recognizance-2001,Ben Burger) and Resident Geologists Office has encountered a platinum-gold-copper occurance in amphibolite rock in the contact aureole of a zoned syenitic (possibly sanukitoid suite) intrusive complex. A north south fault of the Temiskaming Rift System passes through CL#1239346. This rift system is known to exert a control on the intrusion of kimberlitic rocks in this region.

PREVIOUS WORK

There is very little submitted assessment work on record for this claim group. A limited airbourne magnetometer and VLF survey, geological mapping and four short core holes were drilled by Minorex in the 1980's. The drill holes did not coorelate with the geophysical targets that



LEGEND

Proterozoic

Keeweenawan diabase (not shown)

12 Cobalt Group

Archean

Matachewan diabase (not shown)

Granitic rocks

11 Granodiorite, monzonite, quartz monzonite, syenite

10 Massive to gneissic quartz diorite, tonalite, trondhjemite

Upper Supergroup

9 9a* Timiskaming Group, 9b** Destor-Porcupine Complex

8 8a, 8n, Blake River Group, 8c*** Blake River (Upper Fm., Tisdale Group)

7 7a, 7b, Kinojevis Group, 7c Kinojevis Group, (Middle Fm., Tisdale Group)

6 6a Larder Lake Group, 6b Stoughton Roquemaure Group, 6c Lower Fm., Tisdale Group

5 5c Porcupine Group

Lower Supergroups

4 4a Skead Group, 4b Hunter Mine Group, 4c Upper Fm., Deloro Group

3 3a Catherine Group, 3c Middle Fm., Deloro Group

2 2a Wabewawa Group, 2c Lower Fm. Deloro Group

1 1a Pacaud tuffs****

*a refers to Kirkland Lake Area, south limb of synclinorium (Jensen 1978c, 1979).
**b refers to Kirkland Lake Area, north limb of synclinorium (Jensen 1976, 1978b).
***c refers to Timmins Area (Pyke, 1980).
**** (Goodwin, 1965).

Figure-3 - General Geology

were defined. The target areas appear to have been pyritized felsic tuffs. No follow up work was performed to establish the cause of the geophysical anomalies.Numerous small pits and trenches attest to some other prospecting activities but no submitted results or reports are available for most all of these sites mapped. The author has lightly prospected selected portions of the property and has cored several short pack-sack drill holes at the east end of the claim group without encountering signifigant mineralization.

PRESENT WORK

During the summer of 2004' prospecting and hand stripping uncovered different areas of outcrop. It was deceided to further hand strip and wash the area with a pressure pump in order to assess if any structure, lamprophyric breccias of other interesting features are present

RESULTS/CONCLUSIONS

The only area of real interest is area "A" where there are a fair amount of pyrites associated with syenitized fractures and stringers and odd thin wispy quartz stringers.A breccia originally noted at area "B" appears to be a basaltic flow edge or top breccia rather than a lamprophyric breccia as originally anticipated. No mica was noted within the unit.All other work areas did not encounter any interesting alteration, mineralization or veins.The areas between the outcrops may hold other more interesting features but geophysics or MMI sampling would best narrow down unexposed potential targets.No samples have been submitted for testing at the present time.

RECCOMENDATIONS

Continuation of stripping and washing of other outcrops left on the claim area may be more rewarding than the present program in encountering encouraging results.Establishing a grid and geochemical or geophysical studies would narrow down potential targets.No further work reccommended on these sites is warranted at this time.

TECK TOWNSHIP

2.30098

Vigrass Lake

Otto Lake

Murdock

LEGEND

CENOZOIC[a]

PLEISTOCENE AND RECENT

Silt, clay, sand, gravel.

UNCONFORMITY

PRECAMBRIAN[b]

PROTEROZOIC

LATE MAFIC INTRUSIVE ROCKS (NIPISSING OR KEWEENAWAN)

9 Diabase.

INTRUSIVE CONTACT

HURONIAN

COBALT GROUP

GOWGANDA FORMATION

8a Conglomerate.
8b Arkose, greywacke, argillite.

UNCONFORMITY

ALKALIC INTRUSIVE ROCKS

7a Coarse-grained syenite, syenite porphyry, pegmatite.
7b Mafic syenite, syenite contaminated by country rocks.
7c Medium-grained syenite, aplite dikes.
7d Syenite with numerous xenoliths and autoliths.
7e Lamprophyre.
7f Quartz syenite, granite.
7g Diorite.

INTRUSIVE CONTACT

ARCHEAN

MAFIC INTRUSIVE ROCKS (MATACHEWAN OR NIPISSING)

6 Diabase.

INTRUSIVE CONTACT

FELSIC INTRUSIVE ROCKS (ALGOMAN)

5a Granite, porphyritic granite, granodiorite.
5b Granodioritic gneiss.
5c Syenite and trachyte.
5d Mafic syenite and mafic trachyte.

INTRUSIVE CONTACT

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

4a Serpentinite, peridotite.
4b Gabbro, diorite.

INTRUSIVE CONTACT

METASEDIMENTS (TIMISKAMING AND KEEWATIN)

3a Conglomerate.
3b Quartzite, greywacke.
3c Tuff, agglomerate, minor amounts of trachyte agglomerate, breccia.

UNCONFORMITY AND INTERBEDDING

FELSIC METAVOLCANICS (KEEWATIN)

2a Rhyolite, dacite.
2b Iron formation, siliceous tuff, agglomerate.
2c Dacite porphyry, amygdaloidal and spherulitic dacite.

MAFIC METAVOLCANICS AND METASEDIMENTS

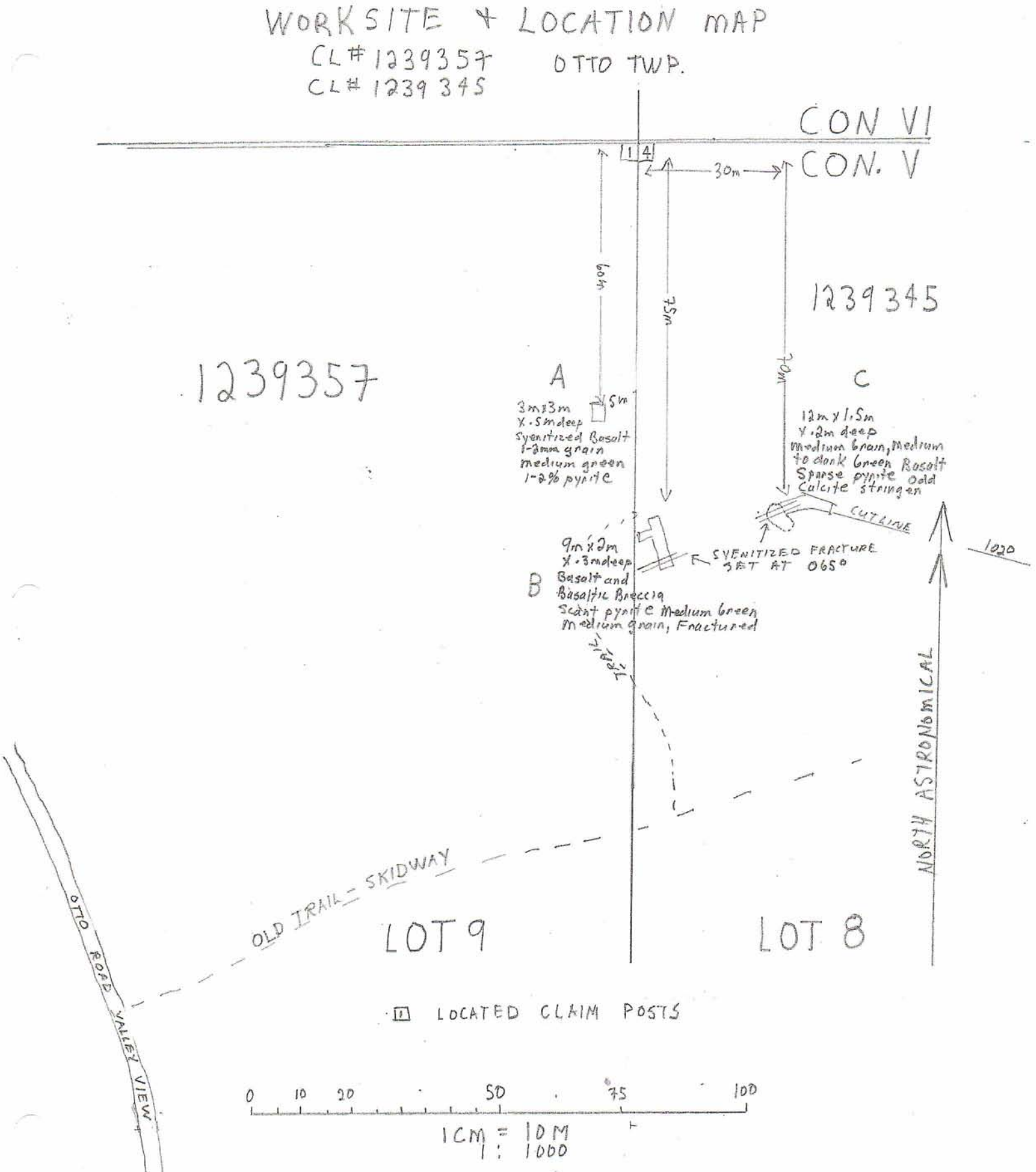

WORKSITE & LOCATION MAP
CL# 1239357
CL# 1239345
OTTO TWP.
CON VI
CON. V
1 4
30m
1239345
1239357
A
3m x 3m
x .5m deep
Syenitized Basalt
1-2mm grain
medium green
1-2% pyrite
5m
B
9m x 2m
x .3m deep
Basalt and
Basaltic Breccia
Scant pyrite Medium Green
medium grain, Fractured
C
12m x 1.5m
x .2m deep
Medium Grain, Medium
to dark Green Basalt
Sparse pyrite Odd
Calcite stringer
CUTLINE
SYENITIZED FRACTURE
SET AT 065°
1020
NORTH ASTRONOMICAL
OLD TRAIL - SKIDWAY
OTTO ROAD
VALLEY VIEW
LOT 9
LOT 8
LOCATED CLAIM POSTS
0 10 20 50 75 100
1CM = 10M
1 : 1000

Figure - 5

WORKSITE + LOCATION MAP

CL# 1239345 OTTO TWP.

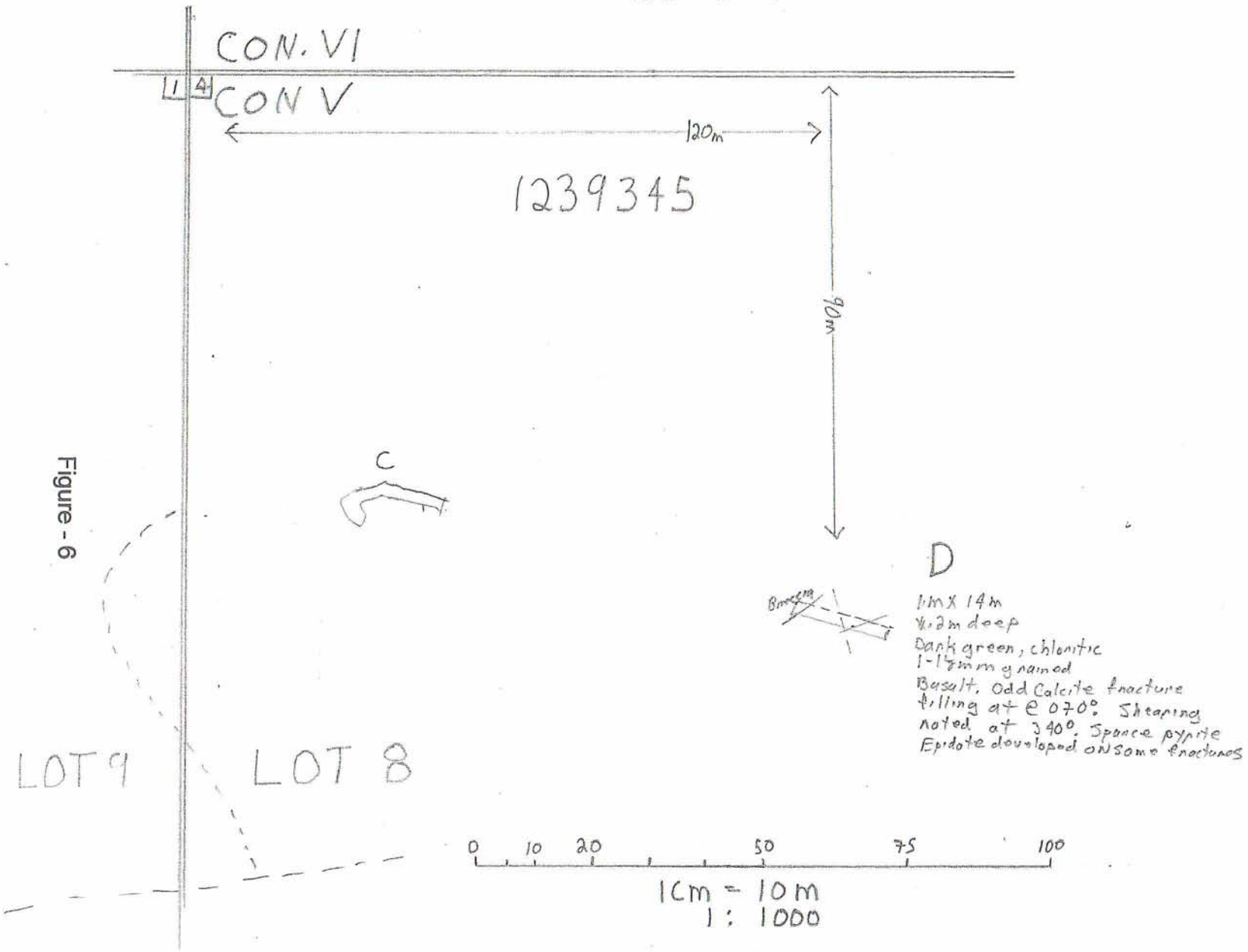


Figure - 6

2.30095

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Ministry of Northern Developement and Mines
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