Plinky Property
East Group
Otto Township
NTS - 42 A/1
80°05'W 48°04'N

Spring 2005
Prepared by: Eric Marion

June 13/05
# DAYS WORKED

**HAND STRIPPING AND TRENCHING, PRESSURE WASHING**

<table>
<thead>
<tr>
<th>Date</th>
<th>Hours</th>
<th>Name</th>
<th>Site</th>
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<tbody>
<tr>
<td>Aug 11 2004</td>
<td>11h</td>
<td>Eric Marion</td>
<td>Site A</td>
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<tr>
<td>Aug 12 2004</td>
<td>10h</td>
<td>Eric Marion</td>
<td>Site A</td>
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<td>Aug 20 2004</td>
<td>10h</td>
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<td>Site B</td>
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<tr>
<td>Aug 22 2004</td>
<td>9.5h</td>
<td>Eric Marion</td>
<td>Site B</td>
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<td>Aug 28 2004</td>
<td>10h</td>
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<td>Aug 29 2004</td>
<td>8.5h</td>
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<tr>
<td>Sept 4 2004</td>
<td>11h</td>
<td>Eric Marion</td>
<td>Site D</td>
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<tr>
<td>Sept 5 2004</td>
<td>9.5h</td>
<td>Eric Marion</td>
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<td><strong>79.5h</strong></td>
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<td><strong>79.5h ÷ 8h/day = 10 days</strong></td>
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<tr>
<td></td>
<td>11h</td>
<td>Jim Tinney</td>
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10 days @ $150.00/day = $1,500.00

10 days @ $25.00/day = $250.00

Volume Pump + Hose Rental (600')

8 days @ $55.00/day = $440.00
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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 contiguous 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 prominent 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 economic 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 occurrence 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 correlate with the geophysical targets that
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 significant mineralization.

PRESENT WORK

During the summer of 2004' prospecting and hand stripping uncovered different areas of outcrop. It was decided 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.

RECOMMENDATIONS

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 recommended on these sites is warranted at this time.
LEGEND

CENOZOIC
PLEISTOCENE AND RECENT
UNCONFORMITY

PRECAMBRIAN
PROTEROZOIC
Huronian
Cobalt Group
Gogama Formation

ARCHAEOLOGY

INTRUSIVE CONTACT

MAFIC INTRUSIVE ROCKS
MATAGAMI (OR MUNSEY)

FELSIC INTRUSIVE ROCKS
ALGOMA

FELSIC METAVOLCANICS
AND METASEDIMENTS

MAFIC METAVOLCANICS AND
METASEDIMENTS

UNCONFORMITY AND HEPSESKING
UNCONFORMITY AND INTERMIXING
WORKSITE & LOCATION MAP
CL #1239357  OTTO TWP.
CL #1239345

CON VI
CON. V

1239345

3m x 3m
Y. 1.5m deep
Syenitized Basalt
1.5m green
medium green
I-8% pyrite

9m x 3m
Y. 1.5m deep
Syenitized Basalt
Scat pyrite
Scat pyrite
Medium green
Fractured

Syenitized Fracture
Set at 065°

12m x 1.5m
Y. 2m deep
Medium Green, Medium
to dark Green Basalt
Sparsely pyritic, and
Calcite stringers

LOT 9
LOT 8

OLD TRAIL - SKIDWAY

LOT 9
LOT 8

D LOCATED CLAIM POSTS

0 10 20 30 40 50 60 70 80 90 100

1CM = 10M
1: 1000

Figure - 5
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O.G.S.

O.G.S.

O.G.S.
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Toogood, D.J. and Hodgson, C.J.

Ministry of Northern Development and Mines
: Resident Geologist Files, literally hundreds of files of submitted assessment work files covering many claim areas in Bernhardt Township, Eby Township, Grenfell Township, Gauthier Township, Lebel Township, Morrisette Township, Otto Township, Teck Township,

O.G.S.
1986: Volcanology and Mineral Deposits, Miscellaneous Paper 129