SOUTH ONAMAN PROJECT

LOCATION

COUGHLAN LAKE AND CASTLEWOOD LAKE MAP AREAS
THUNDER BY MINING DIVISION
BEARDMORE-JELLICOE-GERALDTON AREA

CLAIM MAPS G26 & G22
NTS MAP #42E/13
LAT 50*00' LONG 87*39'

PROJECT AREA: CLAIMS TB 386384, 386385, 386390, 386391, 386392, 456433 & 456434 WHICH MAKE UP THE NORTH HALF OF LEASED CLAIM #401.
**ACCESS**

The property is 40 km north of Jellico, Ontario, 200 km north-east of Thunder Bay. Jellico is on the Trans-Canada Hwy #11 between Beardmore and Geraldton. An all-weather gravel road 62 km long (the Kinghorn Road) leads from the highway to the property. The distance by road to Beardmore is 103 km.

**GEOLOGY**

The property lies between two large granitic bodies, the Onaman Lake Batholith and the Jackson Lake Stock, close to the junction of three belts of dominantly mafic volcanics. The Onaman River volcanics are wrapped around the western side of the Onaman Lake Batholith, while the Castlewood Lake volcanics occupy a broad area to the southwest. Both are overlain by a conglomerate unit containing clasts of granite, volcanics, and iron formation.
THE FIRST PART OF MY PROGRAM WAS SPENT TRAVERSING BACK AND FORTH ACROSS THE FORMATION ON MY NORTHERNMOST CLAIM TB386392. THESE TRAVERSES WERE MADE TO CHECK OUT AIRBORNE SYSTEMS THAT TREND IN A NORTH WESTERLY DIRECTION THROUGH THE CLAIM. NO OUTCROPS WERE OBSERVED IN THESE AREAS. VARVE CLAY OR WET SPRUCE SWAMP COVER THE TARGET AREAS.

PROSPECTING WAS THEN DONE ON CLAIM TB386390 STARTING IN THE NORTH PORTION OF THE CLAIM. TRENCHES WERE PUT IN JUST NORTH OF MY NORTH BOUNDARY IN THE FALL OF 1992. THESE TRENCHES WERE PUT DOWN ON A STRONG VLF CONDUCTOR. BEDROCK WAS NOT REACHED. THIS CONDUCTOR TRENDS SOUTH THROUGH MY CLAIM TB386390. THE ENTIRE NORTH PORTION OF THIS CLAIM IS IN WET SWAMP. TWO SHEAR ZONES WERE LOCATED IN THE SOUTH CENTRAL PART OF THE CLAIM. ONE ZONE CONTAINS CONSIDERABLE FINE GRAINED PYRITE AND CHALCOPYRITE. THE OTHER ZONE TO THE WEST IS A QUARTZ CARBONATE ZONE MINERALIZED WITH PYRITE, ALSO VERY MINOR FINE GRAINED GALENA. THESE AREAS WERE RIBBONED FOR STRIPPING AND A RIBBON LINE WAS PUT IN ON STRIKE TO AID PROSPECTING.

A RIBBON LINE WAS PUT IN FROM AN OLD HIGH GRADE SHOWING ON TB386383. THIS LINE WAS DRIVEN NORTH TO THE NORTH BOUNDARY OF TB386390.

PROSPECTING WAS DONE IN ALL AREAS OF CONDUCTIVITY AS WELL AS ON STRIKE OF KNOWN OCCURRENCES. ACCESS AND TARGETS WERE FLAGGED.

PENTI LASSILA, A GEOLOGIST, WAS RETAINED TO DO RECONNAISSANCE VLF OVER AIRBORNE CONDUCTIVE AREAS TO PINPOINT TRENCHING TARGETS.
TRENCHING PROGRAM

TRENCHING BEGAN ON AUG 30, 1993 USING A 215 EXCAVATOR.

TRENCH NO. 1 WAS PUT DOWN ON A STRONG VLF CONDUCTOR. BEDROCK WAS NOT REACHED DUE TO HEAVY OVERBURDEN. THE CONDUCTOR IS UNEXPLAINED.

TRENCH NO. 2 WAS PUT DOWN ON A STRONG VLF CONDUCTOR. UNSHEARED MAFIC VOLCANICS WERE UNCOVERED ON THE WEST SIDE OF THE CONDUCTOR. BEDROCK COULD NOT BE REACHED OVER THE TARGET DUE TO HEAVY CLAY OVERBURDEN. THE CONDUCTOR WAS NOT EXPLAINED.

TRENCH NO. 3 WAS PUT ON A PREVIOUSLY FOUND OCCURRENCE LOCATED BY PROSPECTING. A WELL SILICIFIED SHEAR ZONE WAS UNCOVERED WITHIN THE MAFIC VOLCANICS. THE SHEAR ZONE CONSISTS OF FINELY DISEMINATED PYRITE AND CHALCOPYRITE. THE RUSTY PARTS OF THE SHEAR ZONE WERE PANNELED IN DIFFERENT PLACES ALONG THE ZONE WITH POOR RESULTS. NO GOLD WAS RECOVERED. SAMPLES WERE TAKEN FOR ASSAY. 5 SAMPLES WERE SENT TO MNDM & 1 TO ACCURASAY WITH LOW VALUES OF <.001 TO <.01 IN BOTH AU & AG. ANOTHER SAMPLE TAKEN BY MNDM AT A LATER DATE PRODUCED THE SAME RESULTS. (SAMPLE PAGES 1, 2, & 3)

TRENCH NO. 4 WAS PUT DOWN ACROSS THE FORMATION ON A FAVOURABLE PROSPECTED AREA. THIS TRENCH CUT ACROSS TWO QUARTZ CARBONATE ZONES WEAKLY MINERALIZED WITH FINE PYRITE, AS WELL AS A NARROW QUARTZ VEIN WITH FINE PYRITE. 2 SAMPLES WERE TAKEN FOR ASSAY. RESULTS WERE BOTH .003 AU OZ/T (SAMPLE PAGE 2).

TRENCH NO. 5 BEDROCK WAS NOT REACHED DUE TO HEAVY OVERBURDEN. THE VLF CONDUCTOR WAS NOT EXPLAINED.
TRENCH NO. 6 WAS PUT DOWN ON A FAVOURABLE PROSPECTED AREA AS WELL AS A STRONG VLF CONDUCTOR. THERE IS HEAVY GOSSAN AT BEDROCK ON THE WESTERN SIDE OF THE TRENCH. SAMPLING WAS IMPOSSIBLE DUE TO HEAVY INCOMING WATER. THERE IS A WELL SILICIFIED ZONE IN THE CENTRAL PART OF THE TRENCH WITH NARROW QUARTZ VEINS THROUGHOUT. THE RUSTY SECTIONS WERE PANNED BUT NO GOLD WAS RECOVERED.

TRENCH NO. 7 REVEALED MOSTLY MASSIVE MAFIC VOLCANICS. HEAVY INCOMING WATER PREVENTED FURTHER EXPLORATION.

TRENCH NO. 8 WAS PUT DOWN ON A VLF CONDUCTOR. BEDROCK WAS NOT REACHED DUE TO HEAVY OVERBURDEN. THE CONDUCTOR WAS NOT EXPLAINED.

TRENCH NO. 9 WAS PUT DOWN TO TEST OVERBURDEN DEPTH ON STRIKE OF A MINERALIZED SHEAR ZONE. HEAVY INCOMING WATER FORCED ME TO ABANDON THIS TRENCH.

TRENCH NO. 10 WAS PUT DOWN ON STRIKE OF THE SHEAR ZONE IN TRENCH 4. ONLY MAFIC VOLCANICS WERE OBSERVED BEFORE WATER CAME IN.

TRENCH NO. 11 WAS PUT DOWN ACROSS THE FORMATION IN THE AREA OF AIRBORNE CONDUCTIVITY. MOSTLY MASSIVE MAFIC VOLCANICS WERE OBSERVED BEFORE WATER FILLED THE TRENCH.

TRENCH NO. 13 WAS PUT DOWN TO TEST THE OVERBURDEN IN THE AREA WHERE WATER CAME INTO TRENCH NO. 11. MAFIC VOLCANICS WERE OBSERVED BEFORE WATER FILLED THE TRENCH.


TRENCH NO. 16 WAS PUT DOWN ON A STRONG VLF CONDUCTOR. A ZONE OF MASSIVE SULPHIDES WAS UNCOVERED, MOSTLY PYRITE, VERY FINE GRAINED CHALCOPYRITE AND A FEW SPECS OF SPHALERITE. THE ZONE WAS BLASTED WITH MAGNAPACK FOR SAMPLE RECOVERY. SAMPLES WERE TAKEN. ONE SAMPLE WAS ASSAYED FOR COPPER & ZINC. RESULTS WERE CU 3000PPM, ZN 73PPM (SAMPLE PAGE 6).
TRENCH NO. 17 WAS PUT DOWN ALONG STRIKE OF TRENCH NO. 16. A ZONE WAS UNCOVERED ALTHOUGH HEAVY WATER INFLOW MADE BEDROCK SAMPLING IMPOSSIBLE. LARGE PIECES WERE RIPPED FROM THE ZONE WITH THE EXCAVATOR. A BLUE QUARTZ MATERIAL WITH FAIRLY HEAVY PYRITE-CHALCOPYRITE MINERALIZATION WAS RECOVERED. SAMPLES WERE TAKEN FOR ASSAY. ONE SAMPLE WAS ASSAYED FOR GOLD/SILVER - .01 AU & .1 AG OZ/T (SAMPLE PAGE 3). ONE SAMPLE WAS ASSAYED FOR COPPER & ZINC - CU 510PPM, ZN 179.5PPM (SAMPLE PAGE 6).

TRENCH NO. 18 WAS PUT DOWN ACROSS THE FORMATION TO FURTHER INVESTIGATE THE BEDROCK WEST OF TRENCH NO. 14. UNALTERED MAFIC VOLCANICS THROUGHOUT THE TRENCH.

TRENCH NO. 19 WAS PUT DOWN ACROSS THE FORMATION AND IN AN AREA OF AIRBORNE CONDUCTIVITY. THIS TRENCH IS ALSO UP ICE OF THE MASSIVE SULPHIDE FLOATS FOUND IN TRENCH NO. 14. ONLY MASSIVE MAFIC VOLCANICS WERE OBSERVED BEFORE HEAVY WATER FILLED THE TRENCH.

TRENCH NO. 20 WAS PUT DOWN ON STRIKE OF A WELL SILICIFIED ZONE IN TRENCH NO 15. AN ALTERATION MINERAL RESEMBLING KYANITE WAS AGAIN OBSERVED IN THE TRENCH. HEAVY WATER CAME IN BEFORE SAMPLING COULD BE DONE.

TRENCH NO. 21 AGAIN PUT ON STRIKE OF TRENCH NO.S 15 AND 20. THE TRENCH WAS ABANDONED BECAUSE OF WATER.

TRENCH NO. 22 WAS PUT DOWN ON STRIKE TO THE NORTH OF TRENCH NO. 15. FAIRLY HEAVY SHEARING WAS OBSERVED BEFORE THE WATER CAME IN. TRENCHING IN THIS AREA IS FUTILE AND WAS ABANDONED.
TRENCH NO. 23 WAS PUT DOWN ON STRIKE OF THE MASSIVE SULPHIDE ZONE IN TRENCH NO. 16. THE SULPHIDE ZONE WAS UNCOVERED AND IS APPROXIMATELY 4' WIDE. THE EASTERN CONTACT IS HEAVILY SHEARED MAFIC VOLCANICS; THE WESTERN CONTACT, BLOCKY AND BROKEN UP. MINERALIZATION IS MAINLY FINE PYRITE WITH SOME VISIBLE MINOR CHALCOPYRITE. BLACKJACK AND GALENA ARE VISIBLE BUT HARD TO IDENTIFY BECAUSE OF THE NATURE OF THE FINE GRAINED MASSIVE SULPHIDES. 5 SAMPLES WERE ASSAYED. RESULTS RANAGED FROM: AU - 0.002 TO 0.015 OZ/T, AG - .08 TO .21 OZ/T, CU - 0.03 TO .14%, ZN - .14 TO 2.03% (SAMPLE PAGE 7).


TRENCH NO. 25 WAS PUT DOWN ON A STRONG VLF CONDUCTOR AND UNCOVERED A WIDE RUSTY QUARTZ CARBONATE ZONE MINERALIZED WITH MINOR FINE PYRITE. OVERBURDEN IS APPROXIMATELY 8' DEEP. ONE MAGNAPACK BLAST WAS POSSIBLE BEFORE THE WATER CAME IN. A SMALL PIECE OF QUARTZ CARBONATE WAS RECOVERED FROM THE DRIFT ON THE WEST SIDE OF THE TRENCH. THIS SAMPLE HAD CONSIDERABLE FINE GALENA. THIS WOULD INDICATE A WELL MINERALIZED SECTION ALONG THIS ZONE IS YET TO BE UNCOVERED. THIS AREA WILL HAVE TO BE TRENCHED IN A DRYER SEASON OR WHEN THE WATER TABLE IS LOWER. FURTHER TRENCHING AT THIS TIME WAS FUTILE BECAUSE OF THE HIGH WATER TABLE AND WOULD RUIN THE AREA FOR FUTURE TRENCHING.

TRENCH NO. 26 WAS PUT DOWN IN BETWEEN TRENCH NO.S 16 AND 23 WITH THE HOPE THAT BEDROCK WOULD BE HIGHER UP AND OUT OF THE WATER. THIS WAS NOT THE CASE AND WATER FILLED THE TRENCH IMMEDIATELY.
CONCLUSIONS AND RECOMMENDATIONS

MY 1993 PROGRAM WAS SUCCESSFUL IN AS FAR AS TWO NEW ANOMALOUS SYSTEMS WERE DISCOVERED, HOWEVER, THE CONDITIONS WERE DISCOURAGING. THESE OCCURRENCES COULD NOT BE FOLLOWED DUE TO THE WET SEASON AND HIGH WATER TABLE. WHILE TRENCHES REACHED BEDROCK IN MOST CONDUCTIVE AREAS, THE WATER WOULD NOT ALLOW SAMPLING IN MOST CASES. THE ASSAYS FROM THESE SYSTEMS ARE VERY LOW, HOWEVER THE PRESENCE OF CU, ZN, AND PB IS ENCOURAGING.

I RECOMMEND HIGHLY THAT IN A DRYER SEASON THESE SYSTEMS BE PURSUED IN BOTH DIRECTIONS UNTIL THE RIGHT ALTERATION IS FOUND. THE PROSPECT OF A GOOD BASE METAL OCCURRENCE ALONG THESE SYSTEMS IS EXCELLENT.

A TRENCH SHOULD BE PUT IN TO BEDROCK DIRECTLY UP ICE FROM THE EAST END OF TRENCH NO. 14. LARGE MASSIVE SULPHIDE FLOATS WERE DUG UP FROM THE TILL IN THE EAST END OF THE TRENCH. THE TARGET SHOULD NOT BE MORE THAN 500' UP ICE.

NOLAN COX
June 4/83 Prospected north boundary of TB-386392

Swampy swamp and overburden. Small outliers on North Boundary.

Massive mafic Vol.

Swamp in area of Diem Airborne Conductors
Investigated central and north eastern portion of Claim TB-386392 - Conductive area heavy clay overburden no out
June 11/83 - Prospoted north of bush road in central part of TB-386392 in area of Airborne Conductors - no outcrop in this area overwhelming looks to be deep - not likely targets can be reached with machine.
June 12: Prospected north of creek in central part of Claim TB-386399. Traversed east-west across the formation in area of airborne targets. The target area north of the creek is all swamp or heavily overburden - near clay.
June 13 - Prospect south of creek in SE corner of TB-386392

The airborne targets trend north south through the corner of this claim. No outcrop in target area - trenching in this area impossible.
Jun-30 - Traversed along north boundary of TB-386390.
No outcrop. Target area is swampy heath swale.
July 2nd: Prospected north portion of TB-386390

Wet spruce swamp in entire NE 1/4 portion of the claim

Not likely targets could be reached by trenching.
July 3 - Traversed north and central portion of Claim TB-38639. Some outcrops in eastern portion massive Mafic Volcanics. All met swamp in north, central and western portion of Claim.
July 4 - Prospected south central portion of Claim TB-386390.

Found considerable outcrops in central area, all areas of Bisbome Conductors. Found a well silicified shear zone finely disseminated pyrite with minor calcite.

Sheared mafic volcanics of either side, minor quartz string and silicified for Backhoe target.
July 11 - Prospected and worked on shear zone.

Cut ribbon line in both directions on strike for prospect control.

Panned across the shear - no gold, took sample.
July 12: Traversed west of central part of Claim.

Found quartz Carbonate zone on edge of swamp. Rasty
sheared angular volcanics, minor quartz veining, fine pyr.

Panning returned 300 gold.

Returned for backhoe trenching.
July 15 - Prospected along west boundary in area of Airborne target - central western part is all wet ground. Took two samples from Cuch zone - saw some very minor galena in fresh sample.
July 20 - Prospected eastern portion of TB-386390 and western portion of TB-386391 -

Fair amount of outcrop but not in conductive areas.
July 24 - Prospected north central part of TB-386384
Heavy lim bed - may be deep overburden.
Put in a compass ribbon line from an old high grade
showing to the south, showing strike almost straight north
and goes into heavy overburden.
Ribbon line put in just to give some perspective while prospecting.
July 25 - Traversed in north eastern part of TB-386384
found outcrop across swamp. Airborne targets in this area.
Dusty sheared Maria Vol. No gold in pan
Ribbed area for Rock hop target, also recor ULF
before trudging. Swamp is very wet may have trail
getting machine to target.
July 27—Prospected western portion of TB-386384
Conductive areas are all swamp, cord and wet to wet for mechanical trenching.
July 28—Traversed north western portion of TB-386384

Found angular float, massive sulphide, fine pyrite with minor fine grained calcite/pyrite. Probably float heaved from one of the airborne Conductors just up in. Lots of outcrop on both sides of old road. Sheared volcanics on west side of road. Will pin point targets with VLF and ribbon for trenching.
Aug 4 - Traversed west of old road back and forth across the formation; no adits in target area. Overburden may not be deep in this area. Light small mixed timber.
August: Prospected south central part of TB-386384 in few out crops along the road. Massive mafic dol.
Light timber in the target area suggest light overburden flagged the access for data W/F and trenching tests.
Aug 7 - Prospected along the creek east boundary of TB-386391. A system of Airborne conductors trends north south along the creek. The area is entirely swamp - trenching in this area would be futile.
Age 8 - Prospected further south along creek on search of outcrop in conductive area - all wet ground to outcrop - to reach wet ground for trenching. Found a few massive pyrite, pyrrhotite floats looks like part of iron formation could be cause of conductors in this up dip direction.
Aug 9/85 - Prospected central and west boundary of 78-386385
found Won Formation strike NW - panned extensively no gold
Prospected along west boundary of TB-386384. All conductive areas are swamp covered. In SW corner of claim. trenches may be successful along the edge of wet area.

Aug 1963
Aug 30/92
Prospected in trench behind backhoe
Worked in Trench #1 #2 #3

T13 - 386390
Sept. 1/93
Prospected in trench behind Backhoe
Trench #4 over #5
Sept 3/93

Prospected in trench behind backhoe worked in TRENCH #6 #7 #8 #9 #10
Sept 17/93

Proposed in trench behind backhoe

Walked in trench # 11 = 13 = 14
Sept 8/93

Prospected in Trench behind backhoe

Worked in Trenches #15, #16, #17
Sept. 19/93

Prospected behind backhoe in trenches

Worked in TRENCHES #18 #19 #20
Sept. 20/93
Prospected in trench behind backhoe
Worked in trench # 21 and # 22
Sept 22/93
Prospected in trench behind backhoe
Worked in trenches #23 #24 #25 #26
September 21, 1993

Mr. Nolan Cox  
P.O. Box 207  
Beardmore, ON  P0T 1G0

Dear Nolan:

The following are gold and silver assay results for five samples that we received from you during the first week of September.

<table>
<thead>
<tr>
<th>Sample No.</th>
<th>Au (oz/ton)</th>
<th>Ag (oz/ton)</th>
</tr>
</thead>
<tbody>
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<td>93-MNC-1 (#1)</td>
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<td>&lt;0.1</td>
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<tr>
<td>93-MNC-2 (#2)</td>
<td>&lt;0.01</td>
<td>&lt;0.1</td>
</tr>
<tr>
<td>93-MNC-3 (#3)</td>
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<td>&lt;0.1</td>
</tr>
<tr>
<td>93-MNC-4 (#4)</td>
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<td>&lt;0.1</td>
</tr>
<tr>
<td>93-MNC-5 (#5)</td>
<td>&lt;0.01</td>
<td>&lt;0.1</td>
</tr>
</tbody>
</table>

Sincerely,

Gerry White  
Staff Geologist  
Beardmore-Geraldton District  
Mines and Minerals Division  
Ministry of Northern Development and Mines  
435 S. James St., Suite B002  
Thunder Bay, ON  P7E 6E3  
Tel. (807)475-1331

GW/clk
<table>
<thead>
<tr>
<th>Sample #</th>
<th>Accurassay</th>
<th>Customer</th>
<th>Gold ppb</th>
<th>Gold Oz/t</th>
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<td>113</td>
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Dear Nolan:

The following are gold and silver assay results for two samples from the Onaman that we received in early October. The base metal results will follow shortly.

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<th>Sample No.</th>
<th>Au (oz/ton)</th>
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<tr>
<td>(Onaman #3)</td>
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<td>93-MNC-10</td>
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<td>0.1</td>
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<tr>
<td>(new trenching #27)</td>
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<td></td>
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</tbody>
</table>

Sincerely,

Gerry White  
Staff Geologist  
Beardmore-Geraldton District  
Mines and Minerals Division  
Ministry of Northern Development and Mines  
435 S. James St., Suite B002  
Thunder Bay, ON P7E 6E3  
Tel. (807)475-1331

GW/clk
<table>
<thead>
<tr>
<th>Sample #</th>
<th>Accurassay</th>
<th>Customer</th>
<th>Silver ppm</th>
<th>Zinc ppm</th>
<th>Copper ppm</th>
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<td>216855</td>
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<td>11</td>
<td>2688</td>
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<tr>
<td>2</td>
<td>216856</td>
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<td>2</td>
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Certified By: [Signature]

Date: October 14, 1993

Job #: 934431
MR. NOLAN COX  
Box 207  
Beardmore, Ontario  
P0T 1G0

September 29, 1993

Job #934431

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Certified By: [Signature]

Sample: 13 (5)
November 10, 1993

Mr. Nolan Cox  
P.O. Box 207  
Beardmore, ON P0T 1G0  

Dear Nolan:  

The following are base metal results for three samples from your Onaman OPAP property that we received in late September. You should have received the gold assay results some time ago.

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<tr>
<th>Sample No.</th>
<th>Cu (ppm)</th>
<th>Zn (ppm)</th>
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<td>93-MNC-7</td>
<td>3000</td>
<td>73.0</td>
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<td>(TR. #16)</td>
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<td>93-MNC-8</td>
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<td>179.5</td>
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<td>(TR. #17)</td>
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</table>

Sincerely,  

Gerry White  
Staff Geologist  
Beardmore-Geraldton District  
Mines and Minerals Division  
Ministry of Northern Development and Mines  
435 S. James St., Suite B002  
Thunder Bay, ON P7E 6E3  
Tel. (807)475-1331

GW/clk
**Assay Certificate**

Company: **NOLAN COX**

Project: 

Assay Certificate

We hereby certify the following Assay of 5 ROCK samples submitted OCT-08-93 by.

<table>
<thead>
<tr>
<th>Sample Number</th>
<th>Au (oz/ton)</th>
<th>Au Ck (oz/ton)</th>
<th>Ag (oz/ton)</th>
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</table>

Certified by: __________________________

P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705) 643-3244 FAX (705) 642-3300
GRETA LAKE PROJECT

LOCATION

GRETA LAKE MAP AREA
THUNDER BAY MINING DIVISION
BEARDORE–JELLICOE–GERALDTON AREA
CLAIM MAP # G 263
NTS MAP # 42E/14
LAT 49° 56' LONG 87° 07'

ACCESS
THE PROPERTY IS ACCESSED BY TRAVELLING NORTH FROM GERALDTON APPROX. 5 KM ON HWY 584, THEN OFF TO THE NORTHWEST ON THE ALL-WEATHER GRETA LAKE ROAD FOR 20 KMS. TO THE JUNCTION OF SPADE ROAD.
TARGETS

COMMODITY: BUILDING STONE
MINERALS: INDUSTRIAL

DEPOSIT TYPE
QUARRY TYPE DEPOSIT

GEOLOGY

AREA APPEARS TO BE ENTIRELY UNDERLAIN WITH GRANITES AND GRANODIORITE.
GRETA LAKE

PROSPECTING FOR INDUSTRIAL MINERALS WAS DONE NORTH OF GERALDTON AND SOUTH WEST OF GRETA LAKE.

PROSPECTING WAS DONE ALONG THE SPADE ROAD IN SEARCH OF PREVIOUSLY REPORTED RED GRANITE FLOAT. THESE FLOATS WERE LOCATED AND SUBSEQUENTLY THE ZONE WAS LOCATED JUST UP ICE. MOST OF THE FLOATS WERE FROST HEAVED. THE OUTCROP WITH RED GRANITE LOOKED PRETTY WELL FRACTURED.

PETER HINZ FROM THE INDUSTRIAL MINERALS BRANCH OF THE MINISTRY OF MINES WAS CONTACTED. HE AND GERRY WHITE, STAFF GEOLOGIST M.N.D.M. BEARDMORE-GERALDTON DISTRICT, ATTENDED A FIELD TRIP ON SEPTEMBER 28, 1993. MR. HINZ CONCLUDED THAT THE AREA WAS TOO BROKEN UP TO SUPPORT A QUARRY AND DID NOT FEEL MORE WORK IS WARRANTED.

MY PERSONAL FEELINGS ARE THAT, DUE TO THE ATTRACTIVE NATURE AND COLORATION OF THE GRANITE WHEN POLISHED, THERE COULD POSSIBLY BE SOME COMMERCIAL USE FOR BOOKENDS, BASES ETC. SAMPLES WERE COLLECTED WITH THIS IN MIND AND THIS AVENUE WILL BE EXPLORED OVER THE WINTER.

NOLAN COX

[Signature]
June 1939: Prospected for industrial minerals 50 km north of Geraldton in the Flora Lake Area. Traversed along the Spade Road, found many large angular blood-red granite float. Took many samples to have cut and polished. Granite outcrops 1 km of road are a fine grained and lighter textured granite - nothing like the float.
June 25th - Prospected Greta lake area for industrial minerals.
Found the source of the float, just a short distance up river alongside the Spade Road.
The material looks excellent for building stone however there ground is quite fractured, will have to prospect around for an unfractured area large enough to quarry. Took some samples for testing.
June 1944—Prospected along strike in both directions, found a few more outcrops with same material. The outcrops to the SW are heavily fractured, with a network of quartz veining throughout the granite outcrops. The outcrops of Red Granite to the NE are blocky and broken up but do not have quartz veining. The area up strike is overlaid in cover, and would have to be stripped.

Before further work is done I will have to take Pete Mierz from the Industrial minerals branch in Thunder Bay out to the property. He should be able to tell me weather the property warrants stripping, will put a couple of claims on to protect.
The information that appears on this map has been compiled from various sources and accuracy is not guaranteed. Those wishing to stake mining claims should contact the Mining Recorder, Ministry of Northern Development and Mines, for additional information on the status of the lands shown hereon.

Legend:
- Highway and Route Numbers
- Trails
- Surveyed Lines
- Townships Base Lines
- Lot Lines
- Parcel Boundary
- Mining Claims etc.
- Railway and Right of Way
- Utility Lines
- Non-Perennial Stream
- Flooding or Flooding Rights
- Subdivision or Composite Plan
- Reservations
- Original Shoreline
- Water in Mounds
- Terrace Monument
- Disposition of Crown Lands

Disposition of Crown Lands:
- Patent, Surface and Mining Rights
- Surface Rights Only
- Lease, Surface and Mining Rights
- Mining Rights Only
- Listing of Occupation
- Crown Woodlot
- Abandoned
- Mining Rights
- Licences of Occupation
- Order-in Council
- Reservation
- Cancelled
- Sand and Gravel
- Land Use Permit

Scale: 1 inch = 40 chains.
Trench #1
Size: 2 m x 6 m x 6 m
VLF Conductor
Clay overburden
to 6 m depth
no bedrock

Trench #2
Size: 2.5 m x 5 m x 12 m
VLF Conductor
Clay overburden

Trench #3
Size: 5 m x 3 m x 14 m
foliated mafic volc.
in part silicified

silicified shear, well mineralized with yts-cals, locally up to 3% cpn,
1 to 5% disseminated py dispersed throughout the zone

crossfoliated shear (pudding stone)

py mineralized shear

Scale: 1 cm = 1 m
Trench 4

Size: E-W 10mx1m x 48 m
N-S 2 x 5 m x 39 m

50 cm wide qtz-carb zone
heavy carb (ankerite), minor arsen. qtz
in part rusty with py

20 cm wide qtz-carb vein
locally minor py

15 cm wide qtz vein
dr py

swirly foliated mafic volc.,
chlorite, locally weakly
euhedrite, mostly carbonatized
in part, v. local qtz-carb
vein systems to 50 cm thick

TB 386390

well foliated mafic flow
massive mafic flow

Scale: 1 cm = 2 m
0 5 10 m

DETAILED SKETCH
BACKHOE TRENCH No. 4

N Cox Property
By P. Lassila
Sept. 17, 1993
Castlewood Lake Map G-22
Trench #5
Size: 4m x 6m x 8m

TB 386390

Ow over

VLF conductor

3+965
0+3E

25m OS

Scale: 1 cm = 1m

Trench #6
Size: 2-4m x 4-6x 18m

TB 386384

Scale: 1 cm = 2m

Trench 7
Size: 2m x 2m x 10m

TB 386384

Scale: 1 cm = 1m

DETAILLED SKETCHES
BACKHOE TRENCHES

N. COX Property

Date: Sept. 17, 1993

By: P. Laszlia

Castlewood Lake Map G-22
Trench 8
Size: 2m x 6m x 4m

TB 386 384
clay overburden to 6 m depth, no bedrock reached
VLF Cond.
Scale: 1 cm = 1 m

Trench 9
Size: 3m x 6m x 6m

TB 386 390
clay overburden to 6 m depth, no bedrock reached
Scale: 1 cm = 1 m

Trench 10
Size: 2m x 1m x 10m

TB 386 390
foliated mafic volc.
Scale: 1 cm = 1 m

Trench 11
Size: 2m x 0.3m x 79m

TB 386 390
DETAILED SKETCHES
BACKHOE TRENCHES
N COX Property
By: P. Lessila
Sept. 17, 1993
Castlewood Lake Map G-22
Trench 13
Size: 3m x 0.1m x 10m

Trench 14
Size: 2m x 1.3m x 35m

Trench 15
Size: 2m x 1.3m x 28m

DETAILED SKETCHES
BACKHOE TRENCHES
N. COX Property
By P. Laaxila
Date: Sept. 27, 1993
Castlewood Lake Map G-22

Scale: 1 cm = 2 m

Scale: 1 cm = 1 m
Trench #16
Size: 5m x 1-4m x 10m

Trench #17
Size: 6m x 2.5m x 16m

Trench #18
Size: 2m x 1-3m x 27m

Scale: 1 cm = 1 m

DETAILED SKETCHES
BACKHOE TRENCHES
N. COX Property
By: P. Lasila
Date: Sept. 27, 1983
Castlewood Lake Map 6-22
Trench 19
2m x 3m x 20m

Trench 20
3m x 1m x 7m

Trench 21
2m x 3m x 1m

Trench 22
3m x 0m x 3m x 7m

Trench 23
3m x 1m x 4m x 7m

Trench 24
2m x 0m x 2m x 14m

Trench 25
3m x 1m x 4m x 15m

Note: Trenches #19 to #25 were measured and prospected but not mapped.

Scale: 1cm = 2m

BACKHOE TRENCHES
N. Cox Property
Drafting by: P. Lessila
Date: Sept 27, 1993
Castlewood Lake Map G-22