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REPORT ON DIAMOND DRILL PROGRAM- 1988

BY ONITAP RESOURCES INC.

EXPLORATION LICENSE No.11584-REF. 11F4D

GOLDBORO AREA - GUYSBOROUGH COUNTY

NOVA SCOTIA.



NAREX Ore Search Consultants Inc.

48-151 Nashdene Road  
Scarborough, Ontario, Canada M1V 4C4  
Tel.: (416) 293-2990  
Fax.: (416) 293-2975

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March 1988.

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*WBC*

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*NAC*

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### **INTRODUCTION:**

Narex Ore Search Consultants Inc. has optioned on behalf of Onitap Resources Inc. a property of 16 claims in the Goldboro area, Guysborough County, Nova Scotia. The claims cover Tract 68 and are located on the eastern part of the Upper Seal Harbour anticline. Access to the area is excellent. Gold is known to occur in strata-bound quartz veins within the slate beds of the Goldenville Formation which underlies the area of interest.

During February 1988, two holes totalling 1559 ft. were completed for ONITAP RESOURCES INC. by Ideal Drilling of Bathurst, New Brunswick, on tract 68, claim G.

### **PROPERTY:**

The property is located approximately three mile northeast of the village of Goldboro, Nova Scotia (Fig.1). It is shown on the Nova Scotia Department of Mines Sheet No. 11F4D, known as Country Harbour. The property consists of one claim group of 16 contiguous claims, approximately 40 acres in size (1320 x 1320 feet), for a total of 640 acres (Fig.2). Immediately to the west a 16 claim block is held by Seabright Resources.

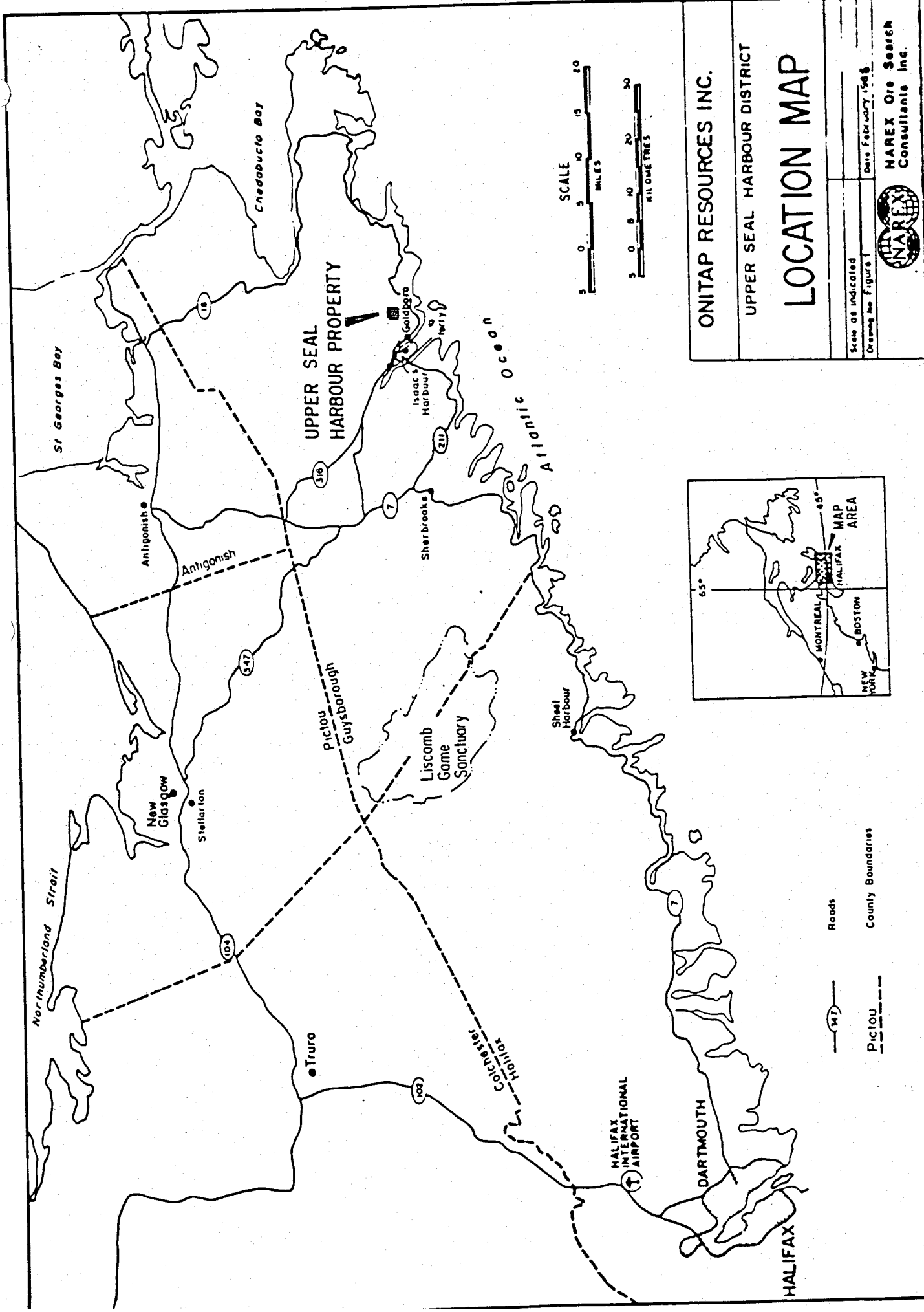
Tract 68- Claims A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, Q are covered by exploration license 11584 dated March 17, 1986 and issued for a 2nd year commencing March 17, 1987.

### **Surface Rights:**

The surface rights are held by the Nova Scotia Department of Lands and Forests.

### **LOCATION AND ACCESS:**

The villages of Goldboro and Isaac's Harbour are located on the eastern shore of Nova Scotia, in Guysborough County, approximately 165 km northeast of Halifax.(latitude 45



ONITAP RESOURCES INC.

UPPER SEAL HARBOUR DISTRICT

# LOCATION MAP

Scale as indicated  
Drawing No. Figure 1

Date: February, 1968

**NAREX**  
NAREX Ore Search  
Consultants Inc.

- Roads
- - - Pictou
- ..... County Boundaries

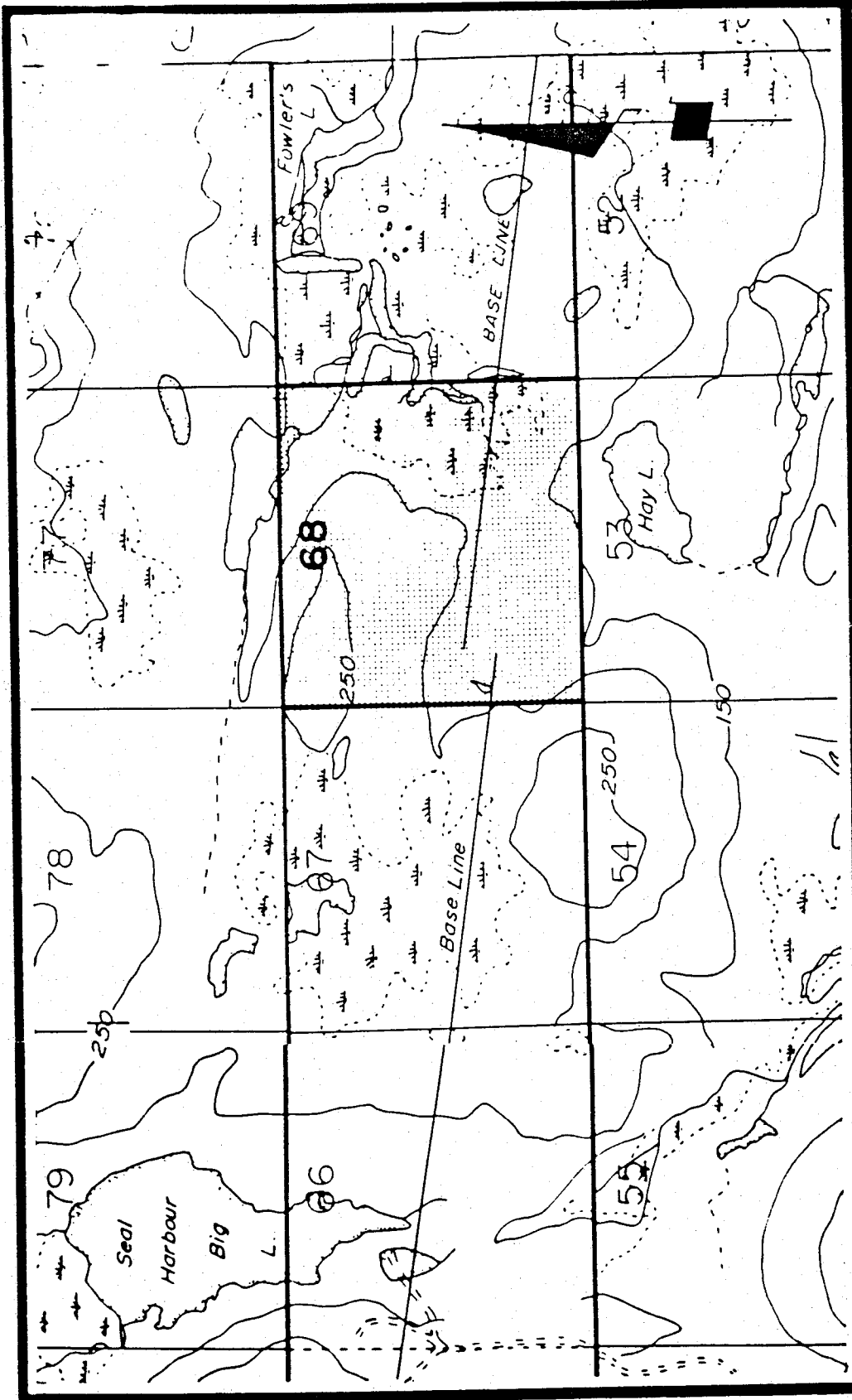
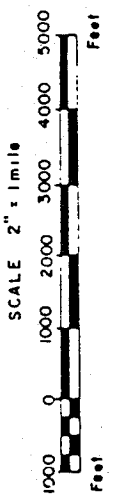


Fig. 2

LOCATION CLAIM TRACT



degrees 11' 30" to 45 degrees 12' 30"; longitude 61 degrees 37' 30" to 61 degrees 40' 40"; NTS 11F/4 -Country Harbour). The fishing village (named after the harbour) lies on the western shore of the harbour, on Highway #316, opposite the village of Goldboro. A gas station, a general store and a post office are the services available in those two communities. All other services are available at the town of Sherbrooke (50 km by road to the west) or from the town of Antigonish 80 km away. The nearest commercial air service is at Halifax.

Access to the claims is excellent. Good gravel roads from Highway #316 pass at the western limit of the claim block and trails for 4x4 truck opened by Stora Forest Industries, give access to the lower eastern part of Tract 68.

#### **GENERAL DESCRIPTION:**

The claims are located between 200 and 250 feet above sea level in an area of gently rolling hills. The shoreline of the harbour rises slowly to about 250 feet over one quarter of a mile. The area is covered with boulder-filled gravels, sandy clay, tills and muskeg. Outcrops of bedrock are rare; probably about one per cent. The area has been cut over and is now covered by secondary growth of tag alders, maple, birch, spruce, balsam and tamarack.

The climate is moderated by the Atlantic Ocean and ranges from an average summer temperature of 70 degrees F to a winter average of 26 degrees F. There is little snow accumulation.

#### **HISTORY:**

Gold was first discovered on the Isaac's Harbour Anticline, in quartz veins, in 1861. In 1892, tracing by the Geological Survey of the Upper Seal Harbour Anticline, revealed a band of quartz veins known as the Richardson Belt (later the Boston-Richardson Mine). The Richardson Mine operated until 1912 from two vertical shafts (depths of 170 and 440 feet) and one inclined shaft with much lateral drifting. From a total of 375,000 tons of ore mined, 50,000 ounces of gold were recovered.

Other discoveries of gold on the Upper Seal Harbour Anticline, led to the development of the Dolliver Mountain, East Goldbrook, and West Goldbrook Mines.

The only work recorded was done by Patino Mines (Quebec) Ltd. in the summer of 1981. The claims in Tracts 67, 68 and 69 were covered by EM-16 and magnetometer surveys over a grid



with lines spaced at 150 m, and station intervals of 25 m. The results of the magnetometer survey indicated a generally low magnetic gradient for the area. This would suggest that the underlying sedimentary sequence is of a relatively uniform nature. The EM-16, VLF survey on tract 68 indicated that the anomaly associated with the anticline bifurcated near line 3600mE and as a consequence the anticlinal structure appears to be represented by two parallel conductive trends (Scammell, 1982).

In 1987, helicopter borne magnetic and EM 16 surveys were made by Aerodat Limited.

#### **GENERAL GEOLOGY:**

The property is underlain by rocks of the Cambro-Ordovician Meguma Group subdivided into the Goldenville Formation overlain by the Halifax Formation.

The Goldenville Formation is mainly made of sandstones interbedded with thin slate horizons, which are inferred to have been deposited by turbidity currents and reworked by bottom currents (Schenk, 1970; Harris, 1971; Waldron, 1983).

The Goldenville Formation is at least 2 km thick in the Isaac's Harbour area, however it reaches at least 8 km thick elsewhere in the Meguma Terrane.

The Halifax Formation is composed predominantly of slates with subordinate sandstones and is poorly exposed in the Isaacs Harbour area outcropping at only three localities on either side of Isaacs Harbour and on Goose Island.

Deposition of the Meguma Group appears to have been accompanied by movements on generally highly inclined east-west faults, which produced monoclinial folds. These faulted monoclines also appear to have formed the locus of fissures which formed the conduits for hot springs producing auriferous veins.

Deposition of the Meguma Group was followed by several phases of deformation accompanied by greenschist facies metamorphism. This was closely followed by amphibolite facies, low pressure regional metamorphism in the northern part of the area.

Further deformation followed correlated with the Hercynian Orogeny. Gold appears to have been remobilized along Hercynian shear zones.

Finally, during the early Mesozoic, the area was cut by a series of northwest-southeast sinistral transcurrent faults associated with kink bands. (Keppie, 1983).

**ECONOMIC GEOLOGY:**

Gold has been mined in the area sporadically since the late nineteenth century. There are four abandoned mines located on tracts 64, 65 and 66. They are in order from west to east, the Dolliver Mountain, the West Goldbrook, the Boston-Richardson and the East Goldbrook. Only the Boston-Richardson can be considered as a producer. It produced 50,000 ounces of gold from a total of 375,000 tons of ore mined over a period of nineteen years at an average grade of 0.13 oz. Au/t. These mines straddle the axis of the Upper Seal Harbour anticlinal structure (Fig. 3) which is oriented in an east-west direction and plunges gently to the east. In 1987, Onitap Resources Inc. discovered several new mineralized belts below the Boston-Richardson mine and published March 8, 1988, probable reserves of 1.1 million tons @ 0.194 oz. Au/t.

The gold is associated with stratiform, stratabound and side quartz veins and as rare dissemination in the host rock slates interbedded in the sandstones of the Goldenville Formation. The gold districts are preferentially located near the hinge zone of asymmetric Acadian folds. Although true "saddle reefs" are present, as it is the case along the Upper Seal Harbour anticline, many vein systems are located on the limbs of folds adjacent to monoclinial flexures. The mineralogy and form of the veins, and their attendant wall rock alteration effects, suggest that gold was deposited initially from hydrothermal solutions, that passed upward through the fault systems, as they were ejected into seawater as low density plumes from submarine hot springs (Haynes, 1983).

**OBJECTIVE**

The objective was to evaluate by diamond drilling the Goldenville formation along the Upper Seal Harbour anticline in this area, based on the anomalies outlined by the EM 16 surveys done by Patino Mines (Quebec) in 1981 and confirmed by the Aerodat airborne surveys.

**DIAMOND DRILLING PROGRAM:**

The 1988 drill program consisted of two holes totalling 1,559 ft. Hole Tract 68-01 with a length of 452 ft. and hole Tract

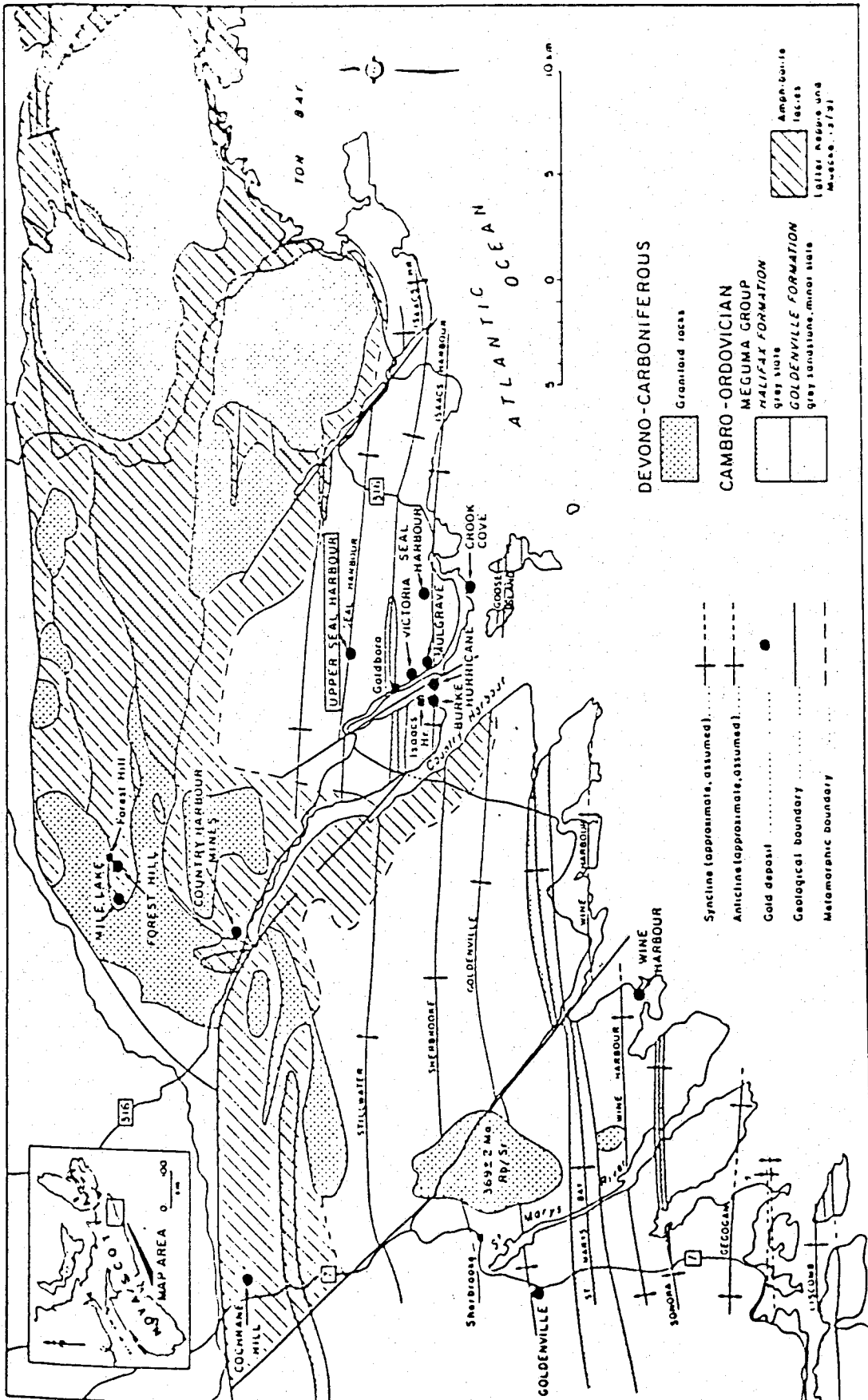


Fig. 3  
 Geology of the Area Around Upper Seal Harbour  
 (after Haynes, 1983)

68-02 of 1,107 ft. which were drilled on tract 68, claim G, exploration license No. 11584.

The detailed drill logs and maps are found in Appendices 1 and 2 respectively.

The lithologies encountered in the drill holes consist mainly of (1) arenites (2) greywackes and (3) rare narrow shale beds.

(1) Arenites : generally consist of siliceous sediments with a light green to grey colour, massive and well endurated with good sorting present. Also present are bedded arenites and some slightly chloritized arenites. Biotite content ranges from 5-10% throughout the section. Original bedding is difficult to see because a very strong foliation is present.

(2) Greywackes : generally consist of more thinly bedded sequences of argillaceous material which exhibits moderate sorting and have higher lithic component. These rocks are of a medium grey colour.

(3) Shales: are aphanatic and dark grey. The narrow shale beds intersected in the two drillholes are probably associated to the bedded argillaceous sequences encountered in the above greywackes. They are not the typical mudstones encountered near the Boston-Richardson mine.

## RESULTS

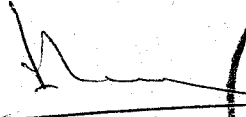
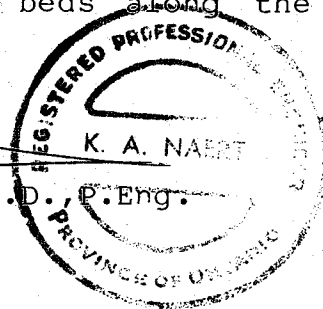
Hole tract 68-01, 4650mE-62.5mN, inclined at 62 degrees west had to be abandoned because of technical difficulties (large water seam). Assays from core samples of this hole indicate anomalous values in gold. Some galena is associated with quartz veins; one sample assayed from 338.5 to 340.5: 1452 ppm Pb, 3.6 ppm Ag and 119 ppb Au.

Hole tract 68-02, 4890mE-90.0mS, vertical, seems to be located on the anticlinal axis. It intersected a majority of thick sequences of arenites with only minor sections of greywackes and shales. Nevertheless the narrow shale beds, sent for analysis, have returned anomalous gold values.

**RECOMMENDATION**

It is recommended to drill one additional 2,000 ft. hole at the western limit of the claim block (3900mE-150mS). The objective would be to locate Au-mineralization hosted in strata-bound quartz veins within the slate beds along the Upper Seal Harbour Anticline in Tract 68.

RJD/KAN/

  
Karl A. Naert, Ph.D., P.Eng.

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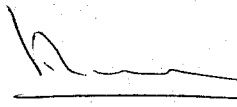
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Scarborough, Ontario, Canada M1V 4C4  
Tel.: (416) 293-2990  
Fax.: (416) 293-2975

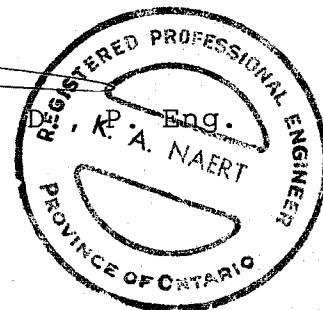
### CERTIFICATE OF QUALIFICATION

I, Karl A. Naert, hereby certify:

- 1) that I am a consulting geologist employed by Narex Ore Search Consultants Inc., 48-151 Nashdene Road, Scarborough, Ontario;
- 2) that I am a graduate of the University of Leuven (Belgium) with a licence in Geology and Mineralogy (B. Sc. Honours equivalent) 1963, and of The Pennsylvania State University with an M. Sc. and Ph. D. in 1973;
- 3) that I have been practising my profession as a geologist since 1963;
- 4) that I am a registered Professional Engineer in the Province of Ontario, a Fellow of the Geological Association of Canada, a member of the Geological Society of America, a member of the American Institute of Mining and Metallurgical Engineers and a member of the Canadian Institute of Mining and Metallurgy;
- 5) that I am an officer and a minor shareholder of Onitap Resources Inc.

  
Karl A. Naert, Ph.

Scarborough, Ontario  
March 18, 1988



# Appendix 1





NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: TRACT 68

HOLE No.: 01

Collar Eastings: 15256.00

Collar Northings: 205.00

Collar Elevation: 0.00

Collar Inclination: -62.00

Grid Bearing: 270.00

Final Depth: 452.00 feet

Logged by: RJD KAN

Date: February 1988

Down-hole Survey: tropari

| FROM  | TO    | LITHOLOGICAL DESCRIPTION  | SAMPLE No. | ASSAYS |        |       |        |        |        |
|-------|-------|---|------------|--------|--------|-------|--------|--------|--------|
|       |       |   |            | FROM   | TO     | WIDTH | Au ppb | Ag ppm | Pb ppm |
| 0.0   | 20.0  | CASING (OB)   |            |        |        |       |        |        |        |
| 20.0  | 87.0  | ARENITE (AR) Grey, medium grained, foliated along biotite-rich bands with locally silica flooding in lenses<br>The foliation is undulating and varies from 60 to 40 degrees to core. It is sub-vertical at 51<br>At 61.2 a small fracture and between 65.0 and 71.0 the rock is more silicified and bleached<br>Schistosity at 70.0 is 80 degrees to core. There is another fracture zone at 82.0 |            |        |        |       |        |        |        |
| 87.0  | 88.0  | SHALE (SHL) Light grey, silty, fine grained with trace pyrrhothite and a 1/2 inch ptygmatically folded quartz vein  |            |        |        |       |        |        |        |
| 88.0  | 240.0 | ARENITE (AR) Same as above with a wavy foliation and with carbonate filled fracturing at 111.0, 137.0 and again from 140.0 to 141.0. At 151.0 the rock is bleached, silicified and has a pink coloring<br>The foliation is on the average 70 degrees to core<br>From 202.0 to 203.0 crackle breccia cemented with white carbonate<br>From 231.0 to 232.5 the rock is fractured and silicified     |            |        |        |       |        |        |        |
| 240.0 | 243.0 | SHALE (SHL) Light grey green silty shale with from 240.5 to 242.0 a quartz carbonate vein with pink feldspar, chlorite and a few pyrite cubes and a few galena crystals<br>There is a ptygmatical 1/2 inch quartz vein at the end   | 11519      | 240.50 | 242.00 | 1.50  | 107    | 0.9    | 85     |
| 243.0 | 280.0 | ARENITE (AR) Typical arenite as above, with an undulating foliation varying between 45 and 65 degrees to core<br>There is a crackle breccia recemented with white carbonate at 254.0  |            |        |        |       |        |        |        |
| 280.0 | 280.2 | SHALE (SHL) Fine grained grey silty shale with an apparent dip of 40 degrees to core  |            |        |        |       |        |        |        |
| 280.2 | 284.0 | ARENITE (AR) As from 243.0 to 280.0 with undulating foliation   |            |        |        |       |        |        |        |
| 284.0 | 290.0 | GREYWACKE (GR) Fine grained light grey, massive with finely distributed biotite   |            |        |        |       |        |        |        |
| 290.0 | 312.5 | ARENITE (AR) Typical as above   |            |        |        |       |        |        |        |

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: TRACT 68  
HOLE No.: 01

Page 2

| FROM  | TO    | LITHOLOGICAL DESCRIPTION  | SAMPLE No. | ASSAYS |        |       |        |        |        |
|-------|-------|---|------------|--------|--------|-------|--------|--------|--------|
|       |       |   |            | FROM   | TO     | WIDTH | Au ppb | Ag ppm | Pb ppm |
| 312.5 | 322.0 | SHALE (SHL) Fine grained massive silty shale grading to greywacke at the end of the section. Apparent dip 42 degrees  |            |        |        |       |        |        |        |
| 322.0 | 336.5 | ARENITE (AR) Typical as above   |            |        |        |       |        |        |        |
| 336.5 | 340.5 | SHALE (SHL) Silty shale with two ptymatically folded narrow quartz veins> The shale contains traces of pyrite, aspy and galena  | 11520      | 338.50 | 340.50 | 2.00  | 119    | 3.6    | 1452   |
| 340.5 | 377.0 | ARENITE (AR) Typical as above with undulating foliation In the section between 361.0 and 377.0 the foliation is more regular and 75 degrees to core<br>361.0 END OF NQ  |            |        |        |       |        |        |        |
| 377.0 | 417.0 | GREYWACKE (GR) Massive grey with biotite finely distributed From 397.0 to 417.0 with cavities and sand  |            |        |        |       |        |        |        |
| 417.0 | 452.0 | Very poor recovery (5%) due to a sand seam, only one narrow shale bed was recovered.<br>The hole was stopped due to technical difficulties in handling the sand seam<br><br>452.0 END OF HOLE<br><br>HOLE ABANDONNED NO TROPARI TESTS | 11522      | 448.00 | 449.00 | 1.00  | 45     | 0.0    | 0      |

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: TRACT 68

HOLE No.: 02

Collar Eastings: 16048.00

Collar Northings: -295.00

Collar Elevation: 30.00

Collar Inclination: -90.00

Grid Bearing: 300.00

Final Depth: 1107.00 feet

Logged by: RJD KAN

Date: February 1988

Down-hole Survey: Tropari

| FROM  | TO    | LITHOLOGICAL DESCRIPTION   | SAMPLE No. | FROM   | ASSAYS TO | WIDTH | Au ppb |
|-------|-------|--|------------|--------|-----------|-------|--------|
| 0.0   | 20.0  | CASING (OB)  |            |        |           |       |        |
| 20.0  | 153.0 | ARENITE (AR) Medium grey medium grained, well foliated along biotite-rich bands with a schistosity at 70-75 degrees to core and with greywacke toward the end of the section<br>From 36.0 to 41.0 silicified and with iron staining along the joint planes<br>27.0 to 27.5 quartz vein<br>At 58.0 1/2" quartz vein and again at 117.0<br>At 123.5 ptymatically folded narrow quartz vein with pyrite in a bed of coarse greywacke interbedded with the arenite<br>133.0 to 136.0 fine grained shaly greywacke with an apparent dip of 60 degrees to core. The schistosity in the arenite following the greywacke is sub-vertical to core                         |            |        |           |       |        |
| 153.0 | 163.5 | LAYERED GREYWACKE SHALY GREYWACKE (GR SHLY GR) Fine grained greywacke and shaly greywacke in alternating narrow beds<br>Apparent dip 60 degrees to core  |            |        |           |       |        |
| 163.5 | 201.0 | ARENITE (AR) Typical, well foliated with schistosity at 92 degrees to core and a 1/2 inch quartz vein cross-cutting the rock   |            |        |           |       |        |
| 201.0 | 250.0 | SHALY GREYWACKE (SHLY GR) Grey fine grained layered<br>210.0 1" ptymatically folded quartz vein with pyrrhotite and a 1/2" quartz vein at the end of the section with po,cpy   | 11523      | 247.50 | 250.00    | 2.50  | 67     |
| 250.0 | 453.5 | ARENITE (AR) Typical arenite with a schistosity varying between sub-vertical and 80 degrees to core. The foliation is well developed along the biotite-rich bands<br>At 266.0 the rock is fractured and there are dissolution cavities in the rock over 1 ft<br>At 330.0 a 1cm quartz vein cuts obliquely through the core and again at 337.5, 351.0 and 390.0<br>At 386.0 there is a 1" aplitic vein with bottle green chlorite spots<br>from 411.0 to 411.5 Aplite vein with chlorite spots<br>At 412.0 a 5mm quartz vein with pyrite<br>418.5 to 419.0 white massive quartz vein<br><br>441.0 END OF NQ<br>From 419.0 to 453.5 the arenite is partly bleached |            |        |           |       |        |

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: TRACT 68  
HOLE No.: 02

Page 2

| FROM  | TO    | LITHOLOGICAL DESCRIPTION   | SAMPLE No. | FROM   | ASSAYS TO | WIDTH | Au ppb |
|-------|-------|--|------------|--------|-----------|-------|--------|
| 453.5 | 468.5 | GREYWACKE (GR) Massive biotite-rich  |            |        |           |       |        |
| 468.5 | 472.0 | SHALY GREYWACKE (SHLY GR) grey greenish with small quartz veins and lenses. The apparent dip is 62 degrees to core<br>At 470.0 the rock is banded with an apparent dip of 50 degrees to core. The rock is also fractured at the end of the section                                   | 11524      | 468.50 | 472.00    | 3.50  | 109    |
| 472.0 | 477.0 | ARENITE (AR) Typical with a 5 cm quartz vein sub-parallel to core with biotite and feldspar  |            |        |           |       |        |
| 477.0 | 578.0 | ARENITE (AR) Typical, well foliated along biotite-rich bands<br>The foliation schistosity is undulating but on the average sub-vertical  |            |        |           |       |        |
| 578.0 | 580.0 | SHALY GREYWACKE (SHLY GR) Layered shaly greywacke with alternating medium grained and fine grained beds and a quartz vein at the end of the section. Apparent dip 55 degrees   |            |        |           |       |        |
| 580.0 | 666.0 | ARENITE (AR) Typical, well foliated with a quartz vein from 590.5 to 591.0   |            |        |           |       |        |
| 666.0 | 688.0 | GREYWACKE (GR) Fine grained, massive with at 668.0 a narrow medium grained bed giving the rock an apparent dip of 45 degrees to core and with a 1/2cm quartz vein<br>At 682.0 1 cm quartz vein and a layering in the greywacke giving the rock an apparent dip of 60 degrees to core |            |        |           |       |        |
| 688.0 | 710.0 | ARENITE (AR) Typical, well foliated 75 degrees to vertical   |            |        |           |       |        |
| 710.0 | 736.0 | GREYWACKE (GR) Same as from 666.0 to 688.0. The bedding gives an apparent dip of 52 to 56 degrees to core  |            |        |           |       |        |
| 736.0 | 738.0 | SHALE (SHL) Dark grey massive with trace py  | 11525      | 736.00 | 738.00    | 2.00  | 123    |
| 738.0 | 767.0 | GREYWACKE (GR) Same as from 666.0 to 688.0   |            |        |           |       |        |
| 767.0 | 826.0 | ARENITE (AR) Typical, well foliated with some silica flooding biotite-rich, with a schistosity varying between 80 degrees to core and sub-vertical (parallel to core)  |            |        |           |       |        |
| 826.0 | 827.0 | QUARTZ VEIN (QV) White massive quartz  |            |        |           |       |        |
| 827.0 | 904.0 | ARENITE (AR) Same as from 767.0 to 826.0   |            |        |           |       |        |

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: TRACT 68  
HOLE No.: 02

Page 3

| FROM   | TO     | LITHOLOGICAL DESCRIPTION   | SAMPLE No. | FROM   | ASSAYS TO | WIDTH | Au ppb |
|--------|--------|--|------------|--------|-----------|-------|--------|
| 904.0  | 909.0  | LAYERED SHALY GREYWACKE AND SHALE (GR SHL) Irregularly layered shaly greywacke alternating with more shaly sections giving the rock an apparent dip of 45 degrees to core With a narrow ptymatically folded qaurtz vein at 908.0 | 11526      | 906.50 | 909.00    | 2.50  | 121    |
| 909.0  | 975.0  | ARENITE (AR) Typical, well foliated, biotite-rich with some silica flooding. Foliation 80 degrees to parallel to core  |            |        |           |       |        |
| 975.0  | 982.0  | GREYWACKE (GR) Fine to medium grained, grey with locally some well layered sections. A narrow popy veinlet at 977.0  |            |        |           |       |        |
| 982.0  | 999.5  | ARENITE (AR) Typical with silica flooding and with a narrow shaly bed at 992. The apparent dip is 50 degrees to core   |            |        |           |       |        |
| 999.5  | 1007.0 | LAYERED GREYWACKE (GR) Alternating fine and medium grained greywacke beds, at time somewhat shaly. Apparent dip 45 degrees to core At 1006.0 narrow ptymatically folded quartz vein  |            |        |           |       |        |
| 1007.0 | 1017.0 | ARENITE (AR) Bleached along the foliation banding 1012.0 to 1014.0 fracture zone   |            |        |           |       |        |
| 1017.0 | 1017.5 | SHALE (SHL) Silty shale bed with an apparend dip of 45 degrees   |            |        |           |       |        |
| 1017.5 | 1028.0 | ARENITE (AR) Typical   |            |        |           |       |        |
| 1028.0 | 1029.5 | BRECCIA IN ARENITE (XX AR) Breccia in typical arenite. The cement of the breccia is white carbonate  |            |        |           |       |        |
| 1029.5 | 1032.0 | ARENITE (AR) Typical   |            |        |           |       |        |
| 1032.0 | 1036.0 | SHALY GREYWACKE (SHLY GR) Silty, shaly greywacke with an irregular layering  |            |        |           |       |        |
| 1036.0 | 1050.0 | ARENITE (AR) Typical   |            |        |           |       |        |
| 1050.0 | 1053.0 | SHALY GREYWACKE (SHLY GR) As from 1032.0 to 1036.0   |            |        |           |       |        |
| 1053.0 | 1086.0 | ARENITE (AR) Typical, well foliated, with a breccia zone and fractured from 1060.0 to 1062.0 Foliation parallel to core  |            |        |           |       |        |
| 1086.0 | 1093.0 | SHALY GREYWACKE (SHLY GR) Same as from 1032.0 to 1036.0  |            |        |           |       |        |

NAREX ORE SEARCH CONSULTANTS INC.

DIAMOND DRILL LOG

PROPERTY: TRACT 68  
 HOLE No.: 02

Page 4

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| FROM   | TO     | LITHOLOGICAL DESCRIPTION                                | SAMPLE No. | ASSAYS |    |              |
|--------|--------|---|------------|--------|----|--------------|
|        |        |   |            | FROM   | TO | WIDTH Au ppb |
| 1093.0 | 1097.0 | ARENITE (AR) Typical as above                           |            |        |    |              |
| 1097.0 | 1107.0 | SHALY GREYWACKE (SHLY GR) Same as from 1032.0 to 1036.0 |            |        |    |              |
|        | 1107.0 | END OF HOLE   |            |        |    |              |

TROPARI TESTS:

| DEPTH | INCLINATION | AZIMUTH |
|-------|-------------|---------|
| 600'  | -88         | 347     |
| 900'  | -87         | 4       |
| 1100' | -86         | 23      |



# ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 TELEPHONE (416) 239-3527

## Certificate of Analysis

Certificate No. NX-131/ 7460 Date: February 29, 1988  
 Received \_\_\_\_\_ 39 Samples of Drill Core  
 Submitted by Narex Ore Search Consultants Inc. Att'n: Dr. K. Naert

| Sample No. | Au ppb/oz/ton | Sample No.  | Au ppb/oz/ton | Ag ppm | Pb ppm |
|------------|---------------|-------------|---------------|--------|--------|
| 11482      | 267           | 11502       | 333           |        |        |
| 11483      | 91            | 11503       | 193           |        |        |
| 11484      | 367           | 11504       | 145           |        |        |
| 11485      | 627 .021      | 11505       | 195           |        |        |
| 11486      | 2760 .089     | 11506       | 163           |        |        |
| 11487      | 2643 .073     | 11507       | 71            |        |        |
| 11488      | 690           | 11508       | 145           |        |        |
| 11489      | * .16*        | 11509       | 140           |        |        |
| 11490      | 2099 .061     | 11510       | 167           |        |        |
| 11491      | 1637 .049     | 11511       | 229           |        |        |
| 11492      | 1965 .066     | 11512       | 130           |        |        |
| 11493      | 2981 .084     | 11513       | 232           |        |        |
| 11494      | 1249 .032     | 11514       | 2065 .057     |        |        |
| 11495      | 1283 .040     | 11515       | 301           |        |        |
| 11496      | 115           | 11516       | 153           |        |        |
| 11497      | 311           | 11517       | 1387 .036     |        |        |
| 11498      | 259           | 11518       | 179           |        |        |
| 11499      | 137           | 68-01 11519 | 107           | .9     | 85     |
| 11500      | 119           | 11520       | 119           | 3.6    | 1452   |
| 11501      | 186           |             |               |        |        |

\*V.G. Free Gold Method

ASSAYERS (ONTARIO) LIMITED

Per \_\_\_\_\_

J. van Engelen Mgr.



# ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE TORONTO, ONTARIO M8Z 2Z2 · TELEPHONE (416) 239-3527

## Certificate of Analysis

Certificate No. NX-132/ 7474

Date: February 29, 1988

Received \_\_\_\_\_ Samples of \_\_\_\_\_

Submitted by Narex Ore Search Consultants Inc. Att'n: Dr. K. Naert

| Sample No.  | Au ppb/oz/ton | Sample No. | Au ppb/oz/ton |
|-------------|---------------|------------|---------------|
| 11522       | 45            | 11542      | 871 .026      |
| 11523       | 67 ✓          | 11543      | * .061        |
| 68-02 11524 | 109 68-02     | 11544      | * 1.83        |
| 11525       | 123           | 11545      | >10000 .36    |
| 11526       | 121           | 11546      | 682 .018      |
| 11527       |               | 11547      | 780 .027      |
| 11528       | 5573 .18      | 11548      | 589 .016      |
| 11529       | 834 .023      | 11549      | 641 .018      |
| 11530       | 1254 .040     | 11550      | 551 .015      |
| 11531       | 1163 .039     | 11551      | 373           |
| 11532       | * .24         | 11552      | 272           |
| 11533       | 2241 .067     | 11553      | 247           |
| 11534       | 643 .018      | 11554      | 341           |
| 11535       | 681 .020      | 11555      | * .022        |
| 11536       | 333           | 11556      | 1301 .040     |
| 11537       | 1271 .037     | 11557      | 379           |
| 11538       | 1388 .036     | 11558      | 2538 .078     |
| 11539       | 1114 .031     | 11559      | 1027 .029     |
| 11540       | * 1.24        | 11560      | 125           |
| 11541       | 506 .016      | 11561      | 113           |

\* Free Gold Method

ASSAYERS (ONTARIO) LIMITED

Per \_\_\_\_\_

J. van Engelen Mgr.



# Appendix 3



March 1988.

**ONITAP RESOURCES INC. 1988-DIAMOND DRILL PROGRAM- COSTS**  
**TRACT No. 68 - CLAIM G**  
**EXPLORATION LICENSE NO.11584-REF. 11F4D**  
**GOLDBORO AREA - GUYSBOROUGH COUNTY**  
**NOVA SCOTIA.**

|  |             |
|--|-------------|
| Supervision, core logging, report<br>preparation, drafting | \$ 10,984.0 |
| Drilling and Contractors                                   | 37,393.0    |
| Travel   | 1,620.0     |
| Accomodation and food                                      | 1,100.0     |
| Assays   | 325.0       |
| Communications   | 125.0       |
|  | -----       |
| TOTAL  | \$ 51,547.0 |
|  | =====       |



# Appendix 2





Department of Mines and Energy

*nd*

# Report of Work Performed

I, the undersigned, holder of/agent for, Exploration License No. 11584 issued on the 17th day of March 19 86, hereby report work as follows:

I have, under said License, and in conformity with the provisions of The Mineral Resources Act, performed or caused to be performed on the licensed area 2572 days' work (eight-hour days) not reported before, totalling \$ 51,447 as per the attached list of expenditures. (Rate is one day's work for each \$20.00 spent.)

Expenditures relating to office overhead, transportation, lodging, freight, express, construction of roads, erection of buildings, etc., will be accepted up to a maximum of ten percent (10%) of the **required** work.

The said work consisted of two diamond drill holes totalling 1559 feet,  
drilled in February 1988. The drilling contractor was Ideal  
Drilling of Bathurst, New Brunswick. DDH Core logging done  
by Narex Ore Search Consultants Inc.

Attached is a geological report with applicable maps, sample results, drill logs, etc., which is submitted as evidence and initialled by me.

My Post Office address is 45 Redbud Cresent, Agincourt, Ontario  
Tel. No. 416-293-2990

Dated this 14th day of March 19 88

RECEIVED  
MAR 17 11 58 '88  
MINES  
AND ENERGY

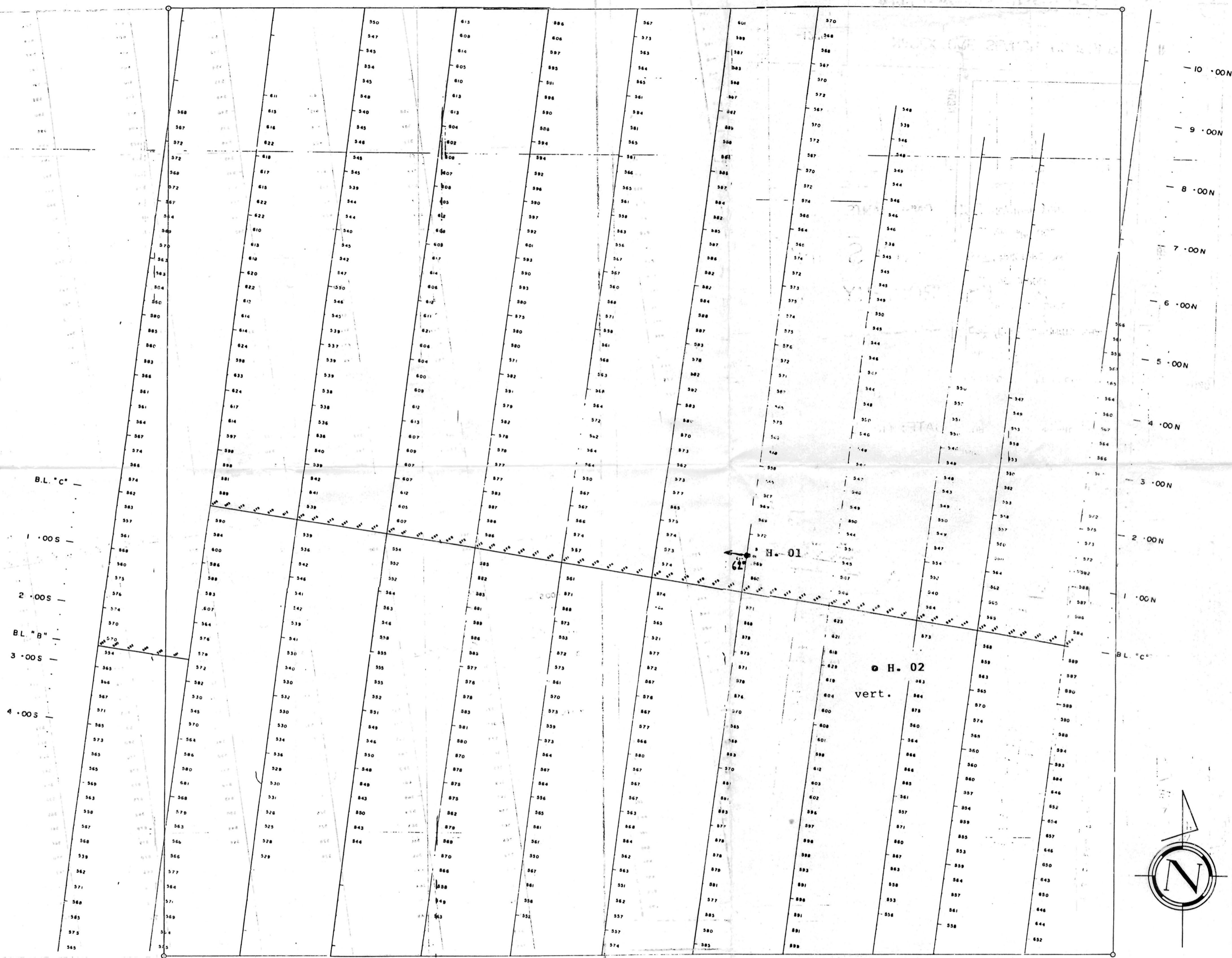
[Signature]  
Signature of Licensee/Agent

I hereby make oath and say that the above statement is true and correct.

[Signature]  
Signature of Licensee/Agent

RECEIVED  
MAR 15 10 40 '88  
MINES  
AND ENERGY

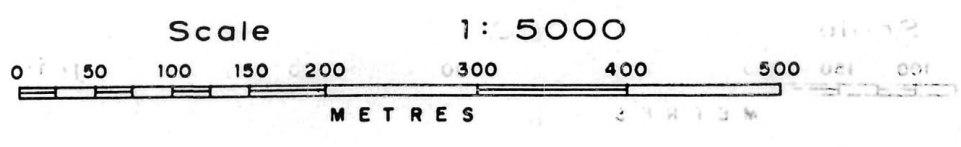
Sworn to at SCARBOROUGH  
in the County of YORK  
Province ONTARIO  
this 11 day of MARCH A.D. 19 88  
Before me  
a NOTARY PUBLIC in and  
for PROVINCIAL NOTARY  
Sandra Kelly



L 3600 E    L 3750 E    L 3900 E    L 4050 E    L 4200 E    L 4350 E    L 4500 E    L 4650 E    L 4800 E    L 4950 E    L 5050 E    L 5200 E

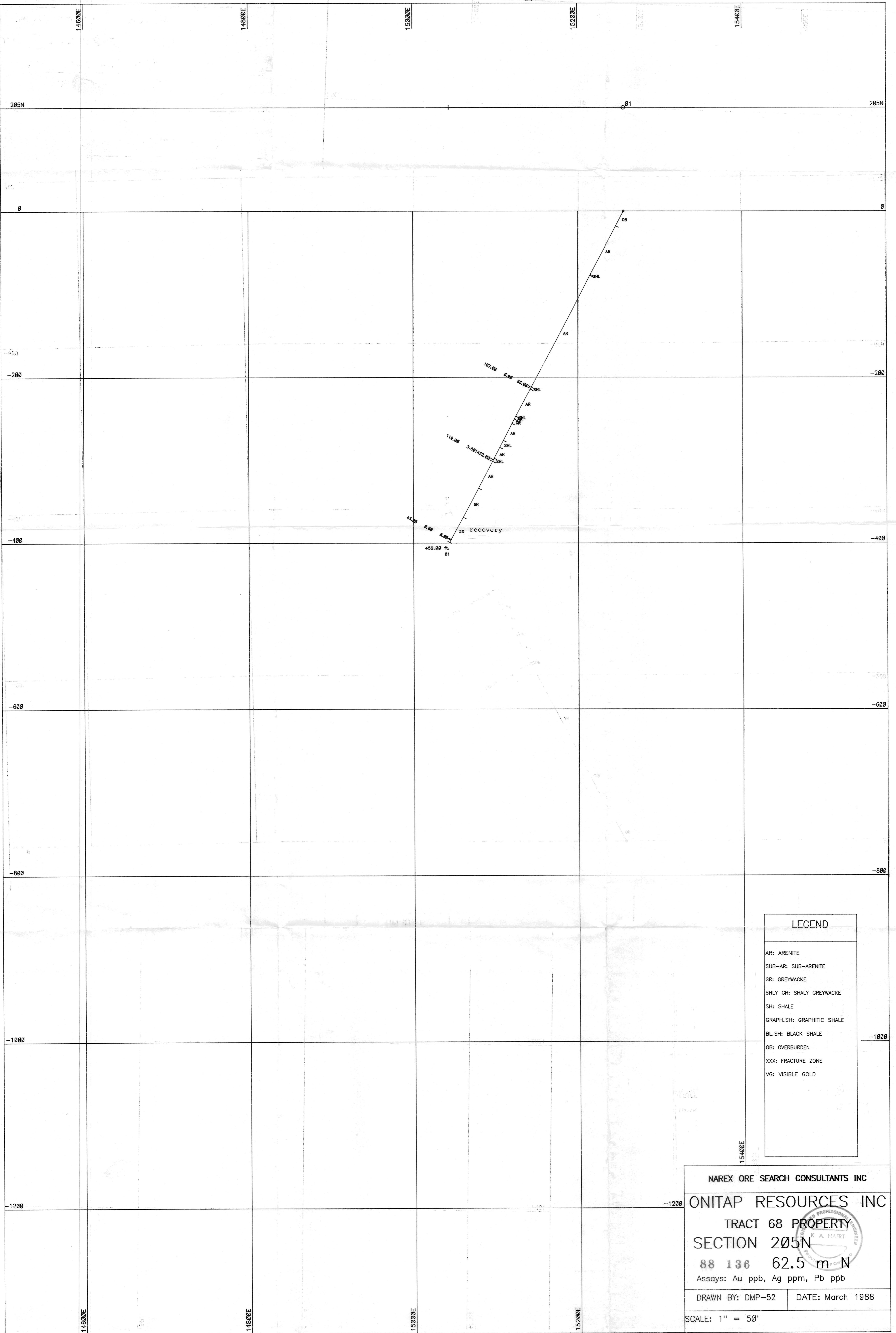
88 136

ONITAP RESOURCES INC  
**NOVA SCOTIA GOLD PROJECT**  
**TRACT No 68 DRILL PLAN**



grid and magnetometer survey (Scintrex MP2)  
 Patino Mines (Quebec) Ltd. 1981.

Work by: NAREX Ore Search Consultants Inc.



| LEGEND     |                 |
|------------|-----------------|
| AR:        | ARENITE         |
| SUB-AR:    | SUB-ARENITE     |
| GR:        | GREYWACKE       |
| SHLY GR:   | SHALY GREYWACKE |
| SH:        | SHALE           |
| GRAPH. SH: | GRAPHITIC SHALE |
| BL. SH:    | BLACK SHALE     |
| OB:        | OVERBURDEN      |
| XXX:       | FRACTURE ZONE   |
| VG:        | VISIBLE GOLD    |

NAREX ORE SEARCH CONSULTANTS INC

**ONITAP RESOURCES INC**

TRACT 68 PROPERTY

SECTION 205N

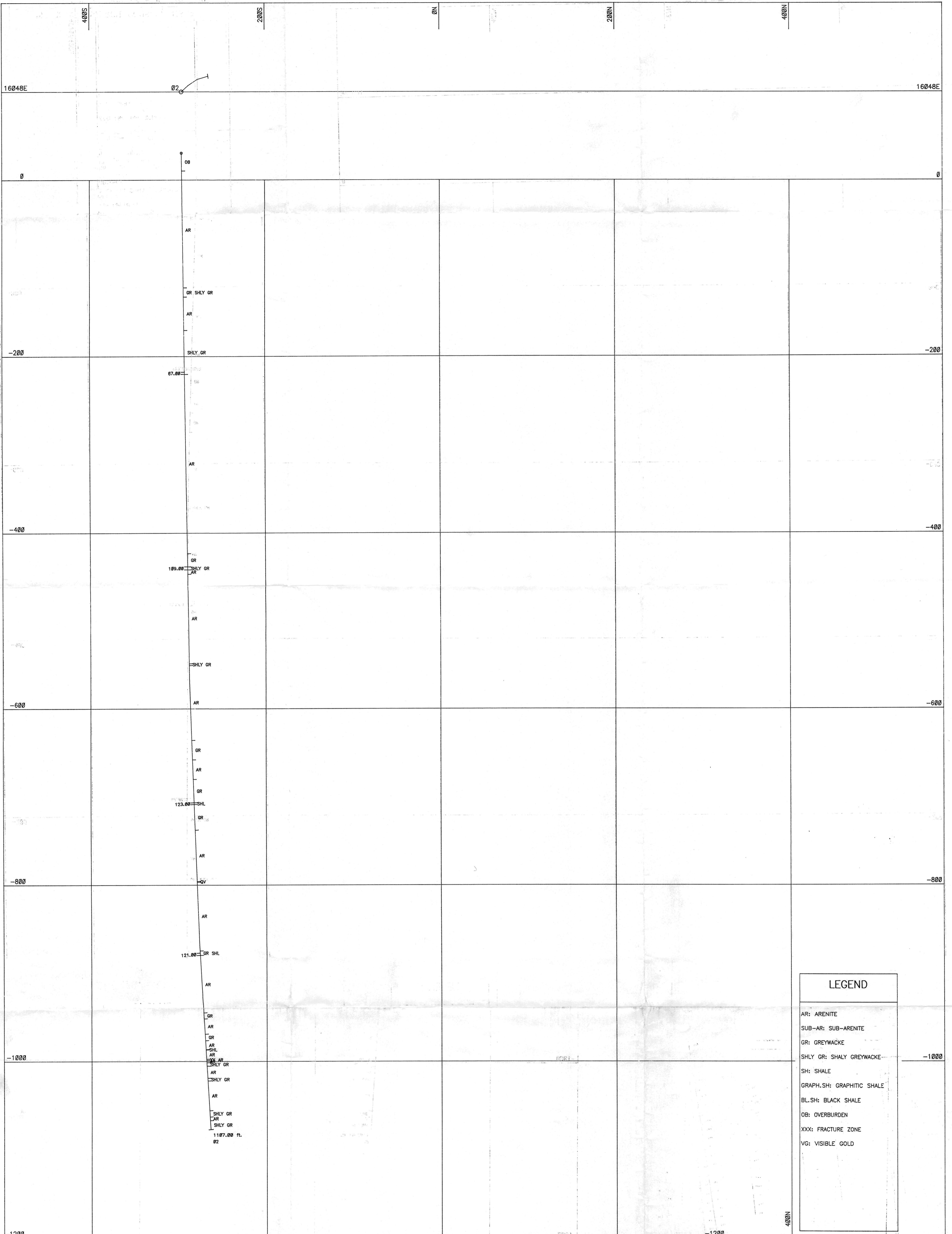
88 136 62.5 m<sup>2</sup> N

Assays: Au ppb, Ag ppm, Pb ppb

|                  |                  |
|------------------|------------------|
| DRAWN BY: DMP-52 | DATE: March 1988 |
|------------------|------------------|

SCALE: 1" = 50'





| LEGEND    |                 |
|-----------|-----------------|
| AR:       | ARENITE         |
| SUB-AR:   | SUB-ARENITE     |
| GR:       | GREYWACKE       |
| SHLY GR:  | SHALY GREYWACKE |
| SH:       | SHALE           |
| GRAPH.SH: | GRAPHITIC SHALE |
| BL.SH:    | BLACK SHALE     |
| OB:       | OVERBURDEN      |
| XXX:      | FRACTURE ZONE   |
| VG:       | VISIBLE GOLD    |

NAREX ORE SEARCH CONSULTANTS INC  
**ONITAP RESOURCES INC**  
 TRACT 68 PROPERTY  
**SECTION 16048E**  
**88 136 4890 m E**  
 Assays: Au ppb  
 DRAWN BY: DMP-52      DATE: March 1988  
 SCALE: 1" = 50'

